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GRID SYSTEM FOR PROGRESSIVE MAPS IN THE UNITED STATES

By

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Major of Engineers, U. S. Army, 1918–1919

and

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PREFACE.

In July, 1918, Maj. R. C. Kuldell, of the Corps of Engineers, consulted with certain officials of the United States Coast and Geodetic Survey in regard to the possibility of devising a grid system for military surveys and maps along the coast of the United States, to be used in connection with artillery defense maps. The system adopted was the one proposed by Mr. Bowie and is described in the first part of this publication.

Shortly after the adoption of this system, Mr. Bowie was commissioned a major of Engineers and served from August 17, 1918, to February 28, 1919, in the Division of Military Mapping of the Corps of Engineers, Washington, D. C. The descriptive part of this report was prepared by him while he was in the Army.

The derivation of formulas with which the tables were computed was made by Mr. Adams, who had also direct charge of all the computations connected with the preparation of the tables which appear herein. He was assisted in the computations by a number of computers of the Coast and Geodetic Survey and by enlisted men of the Four hundred and seventy-second Engineers, who were assigned to the office of the Coast and Geodetic Survey to aid in the computation and interpolation of the tables. Especial credit is due Sergt. T. F. Shea, who was one of the detail from the Four hundred and seventy-second Engineers and who, after his discharge from the Army, became a geodetic computer in the Coast and Geodetic Survey.

The table given in the publication consists of plane coordinates of five-minute intersections of latitude and longitude.

If anyone wishes to go more fully into the discussion of the mathematical theory of the polyconic projection that forms the basis of this table, a complete development of the same will be found in Special Publication No. 57, The General Theory of Polyconic Projections, by Mr. Adams. Copies of this publication can be procured by application to the Superintendent of the Coast and Geodetic Survey, or to the Superintendent of Documents, Washington, D. C.

NOTE TO REVISED EDITION.

While preparing tables for the War Department, the Mathematical Tables Project undertook a check of the tables in this publication, corrections of which have been incorporated in this edition.

The work was conducted by the Federal Works Agency, Work Projects Administration of the City of New York, Sponsored by the Bureau of Standards, Dr. Lyman J. Briggs, Director; under supervision of Dr. A. N. Lowan, Director of the Project, assisted by Dr. Gertrude Blanch, Mr. Murray Pfeferman and Mr. Milton Abramowitz.

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GRID SYSTEM FOR PROGRESSIVE MAPS IN THE UNITED STATES.

By WILLIAM BOWIE, *Chief, Division of Geodesy,* and OSCAR S. ADAMS, *Geodetic Computer, U. S. Coast and Geodetic Survey.*

INTRODUCTION.

In the first few pages of this publication will be found a description of the quadrillage, or grid system, together with directions for the use of the system for progressive military mapping.

The intent when the computations were started was to compute only the necessary coordinates for the area covered by the eastern coast of the United States. It was afterwards decided to make the computations complete for a whole zone. This resulted in a table which can be used for the whole area of the United States proper, as the same values can be used for all of the seven zones by merely changing the designation of the longitude to fit the particular zone needed. The tables now cover an area which is 9° wide in longitude and 21° 20′ in length in latitude. There are several small areas, notably in eastern Maine, southern Florida, and Texas, for which extensions of the tables beyond the above limits are provided.

The seventy-third meridian is the central meridian of the first zone. The zones extending across country have their central meridians 8° apart, thus providing an overlap of 1° in longitude which will make it possible to have two systems of grid lines on a map at the junction of two zones in order that the map may be used in connection with other maps of either of the zones.

It is impossible to have one grid system to cover the whole area of the United States without dividing it into zones, if it is desired to have a small allowable limit of error in the system. The plan adopted was to have such a width of zone as would make the errors introduced in the maps negligible for practically all military purposes.

PROJECTION.

The earth's surface is spherical, and in order that it may be represented on a map it is necessary to show it on a plane surface. This necessarily means that no portion of the earth's surface can be shown in absolute accuracy on a map. There are various methods

of approximating the surface of the earth on the plane, one of the most common of which is known as the polyconic projection.

A projection is simply a system of lines on a map representing imaginary lines on the earth's surface. The almost universal plan for these lines upon the earth's surface is to adopt a system of spherical coordinates based upon the plane through the poles and the observatory at Greenwich, England, and the plane cutting the earth's axis at right angles midway between the poles. The first plane is called the initial meridian, to which longitude or angular distances east and west are referred. The second plane is called the Equator, to which angular distances north and south or latitude are referred.

It is possible to determine by astronomic methods the longitude and latitude of any point on the earth's surface. The problem is how to show the location of some such point on a map with relation to the initial meridian and the Equator.

There are various ways of showing meridians and parallels of latitude on a piece of paper, with relation to which various points on the earth's surface can be plotted after their latitude and longitude have been determined. As mentioned above, one of the most generally used projections is what is called the polyconic projection. This is the one in which every parallel of latitude appears on the map as the developed circumference of the base of a right cone tangent to the sphere or spheroid on that parallel. The central meridian of this projection for any map will appear as a straight line, while all other meridians will appear slightly concave toward it. The parallels for this projection on any map will appear as arcs of circles of different radii with the centers of the arcs of circles on the central meridian produced beyond the limits of the map except in the case of the region at the North Pole or the South Pole. The Equator alone of all the parallels will be represented on the map by a straight line and all of the other parallels will be convex toward it. The intersection of the various meridians and parallels for the polyconic projection will differ very little from right angles when the map covers a limited area in the east-and-west direction. The distance along the central meridian will be true to the scale of the map. This will also be so in the case of the distance along each of the arcs of the parallels, but diagonal distances and north-and-south distances will be slightly in error, the error increasing with the distance from the central meridian.

It will be readily seen that when a section of the earth's surface, which is spherical, is flattened out to the plane of the map, there must be some distortion in the distances as given by the map. If the central meridian is held true to scale, as is the case in the polyconic projection, and also the parallels are true to scale, then there must be some distortion as the edges of the map are approached. This

will result in a sort of stretching or elongating of the area in a north-and-south direction.

For small areas the error in a polyconic projection is infinitesimal and can be ignored for even the very highest grade of map, but when the area approaches the dimensions of a number of square degrees, then the distortion at the east and west edges of the map may be material in size. In an area as large as the United States the errors in a north-and-south direction along the Atlantic coast, and also along the Pacific coast, are as great as 6 per cent. This, of course, would make the polyconic projection a very poor one for an area of such a large extent.

With an area no greater than 10° of longitude in width, the error of a polyconic projection will be negligible so far as the scale of the map is concerned. For instance, at a distance of 5° east or west from the central meridian any distance in a north-and-south direction, as scaled from the chart, will differ from the true distance on the earth's surface by only 0.22 of 1 per cent. When it is realized that the hygrometric condition will expand or contract a map by as much as 1 per cent, it is seen that the error of the polyconic projection is negligible for this width.

PROGRESSIVE SPECIAL MILITARY MAP.

The polyconic projection shows the meridians and parallels as curved lines, except for a central meridian. With relation to these curved lines, points can be plotted whose geographic positions in latitude and longitude are known, but it is a difficult matter, requiring considerable time, to compute the distance and direction between two such points shown on a polyconic-projection map. It is, therefore, not desirable to have such a projection on a map that is to be used for military purposes, where distances and directions between objects must be computed in a very short time. Such a case is in the use of artillery. The orientation officer of a battery may wish to know quickly the distance and bearing from his gun to some point occupied by the enemy in order that the enemy may be fired upon. The only quick method of obtaining this distance is by a system of rectangular coordinates. The distance between the two objects whose coordinates are known would be the square root of the sum of the squares of the difference of the x-coordinates and of the y-coordinates of the two objects. These differences make it possible to compute quickly the angle between one of the grid lines and the line joining the objects.

A system of rectangular coordinates could be used to cover any local area without regard to any other locality, but this makes an awkward situation when the maps of any two areas adjoin. The boundary between the two areas would be on different systems,

and much confusion would result. In order to obviate this there has been adopted a plan by which a single system of grid coordinates covers the Atlantic coast from some point on the coast of North Carolina to the northeastern part of the coast of Maine.

GRID TABLES.

In order that such a system of coordinates may be properly coordinated with positions as given in longitude and latitude, it is found necessary to have a polyconic projection covering a zone 9° wide in longitude and of indefinite extent in latitude. The central meridian of this projection is coincident with the seventy-third meridian. A rectangular or grid system of squares 1000 yards on a side is then constructed over the whole area covered by the projection. The intersection of the seventy-third meridian of longitude and the parallel of 40° 30′ of latitude, is the initial point of the grid system. All computations were made from that point, and a north-and-south line of the grid coincides with the seventy-third meridian and an east-and-west line of the grid is tangent to the parallel of latitude of 40° 30′ at its intersection with the seventy-third meridian.

ORIGIN OF GRID COORDINATES.

The computation consisted of determining the grid coordinates of all intersections of minutes of longitude with minutes of latitude within the area covered by the polyconic projection referred to above. After the computations were made, a constant was added to each of the x coordinates and another constant to each of the y coordinates in order to make all of the coordinates positive within the area of the projection. The point selected as the arbitrary origin is 1 000 000 yards west and 2 000 000 yards south of the intersection of the seventy-third meridian of longitude with the parallel 40° 30′ of latitude.

LIMITING MERIDIANS OF THE ZONES.

It is impossible to have a progressive map over a large area extending both east and west and north and south without serious distortions in the projection. As explained above it was found advisable to use the grid system within a zone restricted to 9° of longitude, but extending indefinitely in latitude. The tables used for the special military maps were computed for the zone extending 4° 30′ of longitude in both the east and the west directions from longitude 73°, and from latitude 28° to latitude 49° 10′. Over this whole zone the grid is constructed with straight lines. Extensions of the table are made to cover the area in Maine to the eastward of meridian

68° 30′, the small area above latitude 49° at the Lake of the Woods near longitude 95°, and for Florida and Texas below latitude 28°.

The same tables can be used for any other zone having the same latitudes by simply changing the degrees of longitude. When this is done it is possible to have the whole area of the United States covered. For instance, the meridians in the tables which are now 68° 30′ to 77° 30′ could be changed to 77° 30′ to 86° 30′, when they could be used for placing the grid over the zone falling between those meridians.

It is not practicable, however, to change the tables exactly 9°, for if this were done the maps at the junction of the two zones would not have continuous grid lines; that is, a map at the edges of one zone could not be exactly connected with a map having the same latitudes at the edges of the other zone and have the grid system continuous from one to the other. The grid lines of the two maps would make decided angles with each other.

In order to avoid this condition it is necessary to have an overlap of the two zones. This is done by changing all of the longitudes of the tables as given for the most eastern zone by 8°. This provides an overlap of 1° of longitude, and the topography within this overlapping area can be shown on two sets of maps—one on each grid system—thus making it possible to have progressive maps for each of the zones, or the two grid systems can be placed in different colors on the same map. The amount of overlapping of maps will be decided at the Office of the Chief of Engineers.

By changing the longitudes of the tables by 16° a third zone is obtained, and so on across the country in multiples of 8° of longitude.

The following table shows the designation of the several zones across the United States, with their central meridians and the meridians which limit the zones:

Fire-control zones.

Designation.	Central meridian.	Limiting meridians.
A	73°	68° 30′– 77° 30′
B	81°	76° 30′– 85° 30′
C	89°	84° 30′– 93° 30′
D	97°	92° 30′–101° 30′
E	105°	100° 30′–109° 30′
F	113°	108° 30′–117° 30′
G	121°	116° 30′–125° 30′

The only exception, so far as limiting meridians are concerned, is the strip over Maine to the eastward of longitude 68° 30′ which is included in the grid tables for zone A, though it is more than 4° 30′ to the eastward of the central meridian of the zone.

The zones are shown graphically in figure 1.

The one-hundred-thousand-yard grid lines are shown for zone C in figure 2.

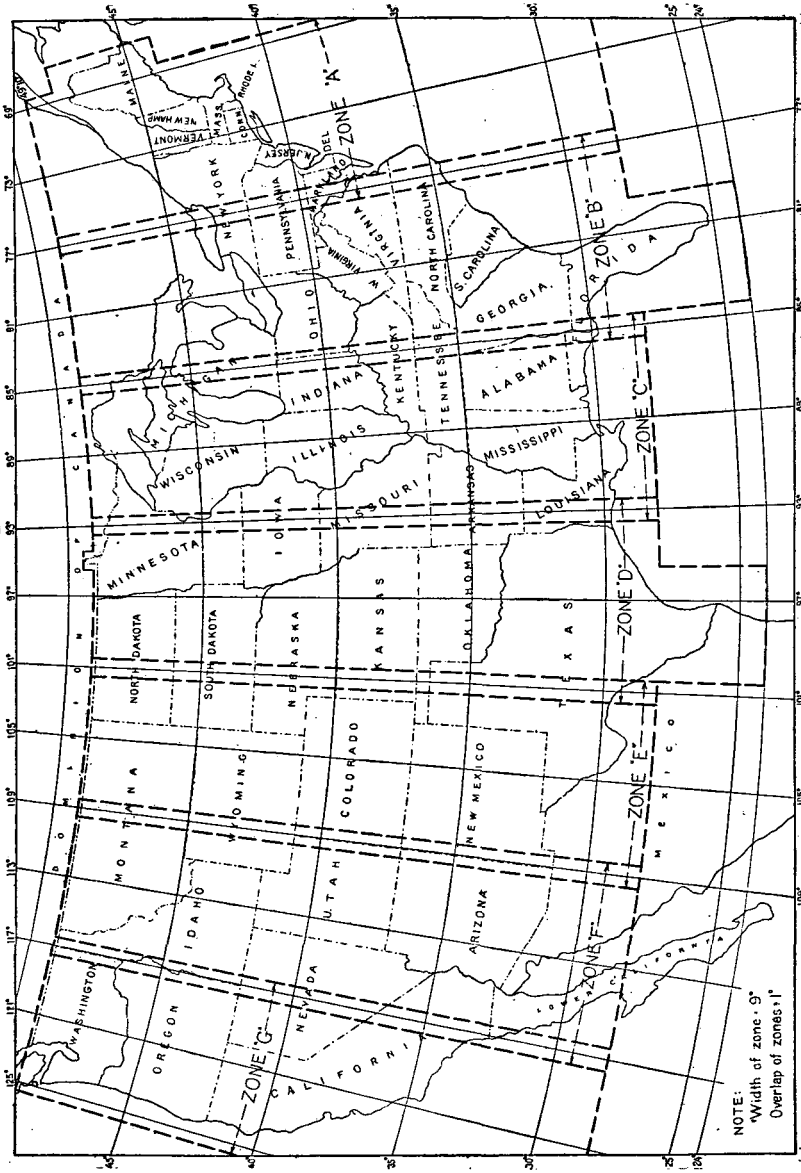

FIG. 1.—GRID ZONES FOR FIRE-CONTROL MAPS.

DESIGNATION OF SPECIAL MILITARY MAPS.

It is necessary that each special military map be given the letter of the zone within which it falls. Immediately following the letter should be given the coordinates of the southwest corner of the map.

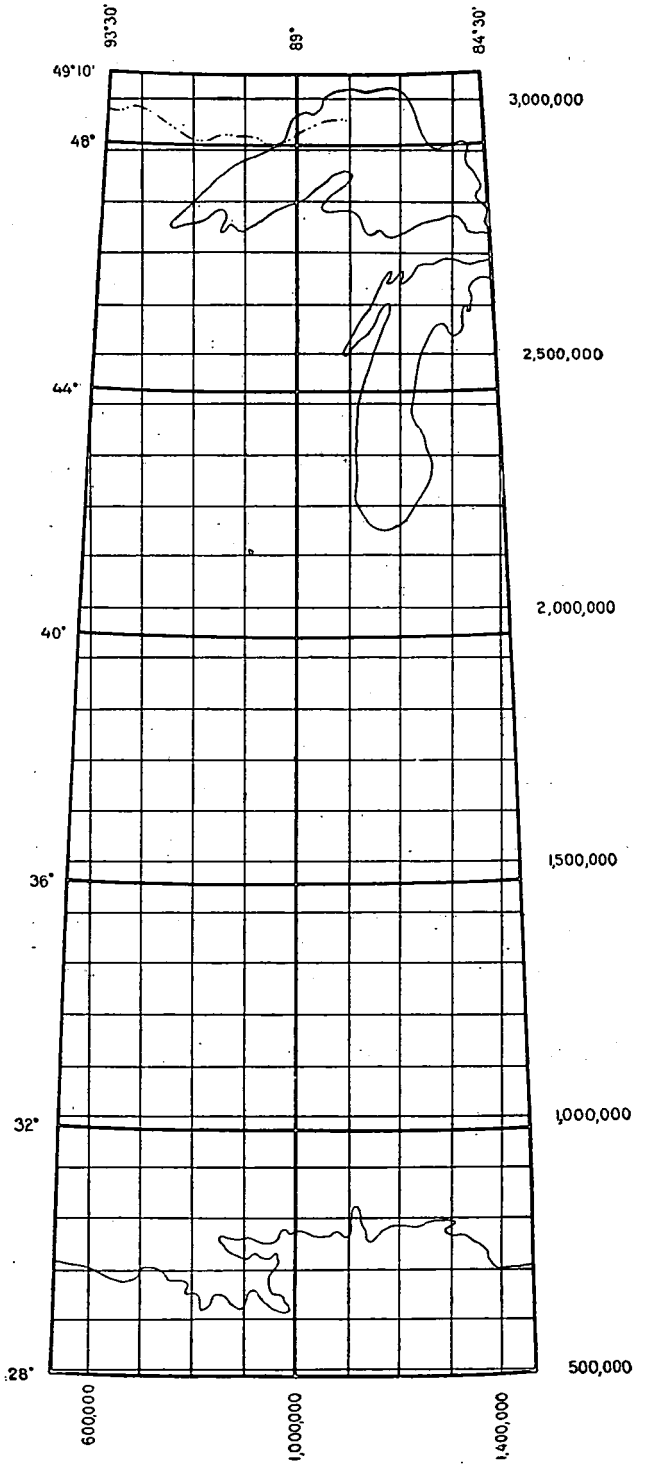

FIG. 2.—SPECIAL MILITARY MAP OF ZONE C

As the maps are all of the same size—that is, 10 000 yards east and west and 6000 yards north and south—it will not be necessary to give the entire x and y coordinates of the corner of the map. They can be abbreviated by omitting the last three figures of the x and y coordinates. For instance, if in the first zone the x coordinate of the southwest corner of a fire-control map is 1 160 000 and the y coordinate is 2 292 000, the designation of the map will be A 1160.2292.

In addition to the designation by letters and numbers each fire-control map must be given a name. This name should be that of some conspicuous topographic feature within the area covered by the map, such as a village, stream, hill, crossroad, or some other object which is locally well known. If, within the map, there is

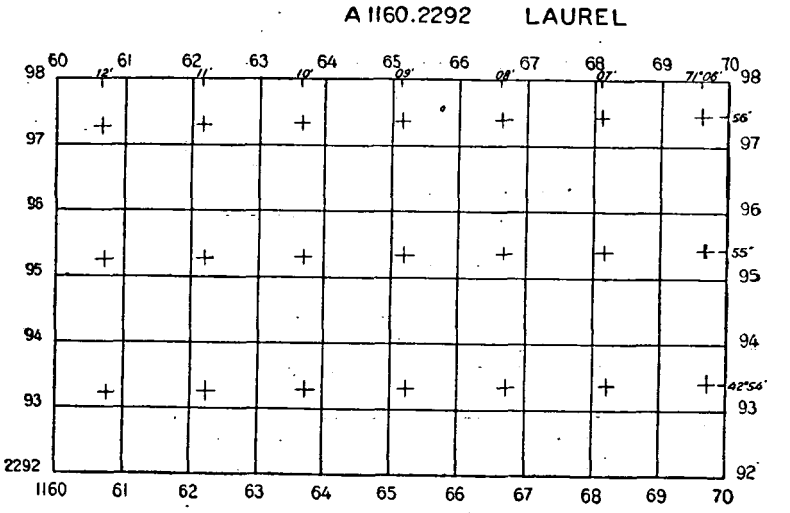

FIG. 3.—PROJECTION AND GRID LINES FOR STANDARD FIRE-CONTROL SHEET.

no such feature which has a name, it will be necessary to select a name arbitrarily. There must be no duplication of names of maps within a State.

The designation of the map, with its name, should be placed in the upper right-hand corner, as shown in figure 3. The grid lines should be numbered as shown there, namely, on all four edges of the map. The geographic projection lines will be numbered at the top and on the right.

SYSTEM OF LAYING OUT SPECIAL MILITARY MAPS.

With a grid system covering the greater portion of the Atlantic coast, a series of special military maps can be laid out in such a way that mapping can be started at a number of places with the assurance that when any two surveys are joined there will not be any

overlaps, gaps, or offsets in the various maps. In order that this might be accomplished, it was necessary to adopt some simple system of laying out the special military maps. The one adopted is to have the x coordinates of the east and west limiting grid lines on such a map multiples of 10 000 yards, and the y coordinates of the north and south limiting grid lines of the special military maps multiples of 6000 yards. The coordinates to be considered in determining these multiples are those beginning at the arbitrary origin of coordinates, and not the coordinates of the intersection of the seventy-third meridian and parallel 40° 30′.

It will be necessary to have the grid system superimposed upon one or more small-scale maps covering the area to be surveyed and mapped, in order that the relation of the topography shown on the small-scale maps to the special military maps may be known. For instance, if it were necessary to make special military maps covering Hampton Roads, it would be desirable to have the limits of those maps shown on some small-scale chart of the United States Coast and Geodetic Survey of the lower Chesapeake Bay or on a small-scale map of the United States Geological Survey covering the region in question. With the limits of the special military maps laid out on the small-scale map, the fieldwork could then be done for any particular area desired. It is not necessary that the plotting of the limits of the special military maps on the other maps should be done with extreme accuracy. It is simply a guide for the field operations.

USE OF THE TABLES.

As stated above, nearly the whole east coast of the United States is covered by tables which give the relation between spherical and grid coordinates on one continuous system or zone. The table in this publication shows the grid coordinates in yards of the intersection of each fifth minute of longitude with each fifth minute of latitude within the whole area covered by the grid system.

The special military maps based on the grid system are to be 10 000 yards long in an east-and-west direction and 6000 yards deep in a north-and-south direction.

The grid system is placed on the field sheets and final maps as even thousand-yard lines.

INTERPOLATION OF MINUTE INTERSECTIONS FROM FIVE-MINUTE TABLE.

Linear or straight interpolation for the minute intersections can be made between the x coordinate values for the five-minute intersections in the direction both of increasing latitude and of increasing longitude without introducing appreciable errors. Likewise such

interpolations can be made between the y values in the direction of increasing latitude, but in the direction of increasing longitude an error as great as 1 yard may be introduced in the value of y by linear interpolation.

If the work in hand is such that this error is appreciable, the y values should be interpolated in the longitudinal direction in the following manner:

The departure of the parallel from the x grid line tangent to it at its intersection with the central meridian should be interpolated as the squares of the distances out from the central meridian. For example, if we wish to interpolate the y value for latitude 37° 05′ and longitude 75° 02′, we should proceed in the following manner:

$$\left.\begin{matrix}37^\circ\ 05' \\ 73^\circ\ 00'\end{matrix}\right\} y = 1585214.0$$

$$\left.\begin{matrix}37^\circ\ 05' \\ 75^\circ\ 00'\end{matrix}\right\} y' = 1587260.3$$

$$y'' = y' - y = 2046.3$$

75° 00′ is 2° or 120′ out from central meridian

75° 02′ is 2° 02′ or 122′ out from central meridian.

$$y \text{ for } 75^\circ\ 02' = 1585214.0 + \left(\frac{122}{120}\right)^2 \times 2046.3$$

$$= 1587329.1.$$

Corresponding values are

1587329.0 from minute table

or 1587329.9 by linear interpolation.

After the x and y coordinates have been interpolated along two contiguous five-minute parallels, as explained above, then straight interpolation along the meridian between these values can be made for intermediate parallels.

THE KILOMETRIC GRID.

The grid tables computed in yards can be used to place a kilometric grid on a map. This can be done by converting to meters the yard coordinates of one of the thousand-yard intersections on the map. With these meter coordinates points can be plotted which will have values to even kilometers. Through these points kilometer grid lines will be drawn parallel to the regular yard grid lines. For instance, if the x and y coordinates converted to meters had values at the southwest corner of the map of 953 624 and 1 242 719, respectively, then the first north-and-south kilometer grid line would be 376 meters east of the corner and the first east-and-west kilometer grid line would be 281 meters north of the corner. After these

two points of the kilometric system have been found, north-and-south and east-and-west lines can be drawn through them parallel to the thousand-yard grid lines. After two kilometric grid lines have been placed upon the map, the whole map can easily be covered by the kilometric grid system. This is done by simply plotting along the east-and-west line distances of 1, 2, 3, etc., kilometers from the north-and-south kilometer grid line. Similarly the east-and-west kilometer grid lines can be laid off on the north-and-south line.

If the map has been at all distorted since the yard grid was placed upon it, it would be well to convert the coordinates of several of the thousand-yard grid intersections into meters, and the intermediate grid lines of the kilometric system can then be interpolated. In this way the effect of any distortion of the map is minimized.

METHOD OF PLACING THE SPHERICAL PROJECTION ON SPECIAL MILITARY MAPS.

Let it be supposed that a series of special military maps have been laid out on a small-scale map covering the area to be surveyed and that it is desired to place the spherical coordinates on a special military map on which the thousand-yard grid lines have been drawn.

From the small-scale map some intersection of a minute of latitude and a minute of longitude is selected which falls within the special military map in question.

The tables are entered for that particular longitude and latitude and the x and y coordinates are found. The difference between the x coordinates of the intersection and the thousand-yard north-and-south grid line just to the westward of the intersection is laid off to the eastward of that thousand-yard grid line. Likewise, the difference between the y coordinate of the intersection of the minute of latitude and longitude and of the y coordinate of the even thousand-yard east-and-west grid line just to the south of it will be the distance to be plotted to the north of that grid line. These two differences in the x and y coordinates will locate accurately on the grid system of the special military map the particular intersection of the minute in longitude and latitude. In a similar manner all the other intersections of minutes of latitude and longitude coming within the area of any special military map can be plotted.

In figure 4 let it be supposed that the grid system is already on the map as shown and that it is desired to put spherical coordinates on the same sheet in the proper relation to the grid. An inspection of the tables shows that the intersection of latitude 42° 55′ with longitude 70° falls in the lower right-hand corner of the sheet. The coordinates of this intersection are $x = 1\ 267\ 834$ yards and $y = 2\ 298\ 311$ yards. The position of this intersection can be obtained by plotting 834 yards east of the grid line 1 267 000 and 311 yards north of the

grid line 2 298 000. The other intersections within the area of the map can be plotted in the same way.

METHOD OF PLACING GRID SYSTEM ON A MAP HAVING MERIDIANS AND PARALLELS.

If it is desired to put the grid system on a map which already has the polyconic system of projection, the operation will be as follows:

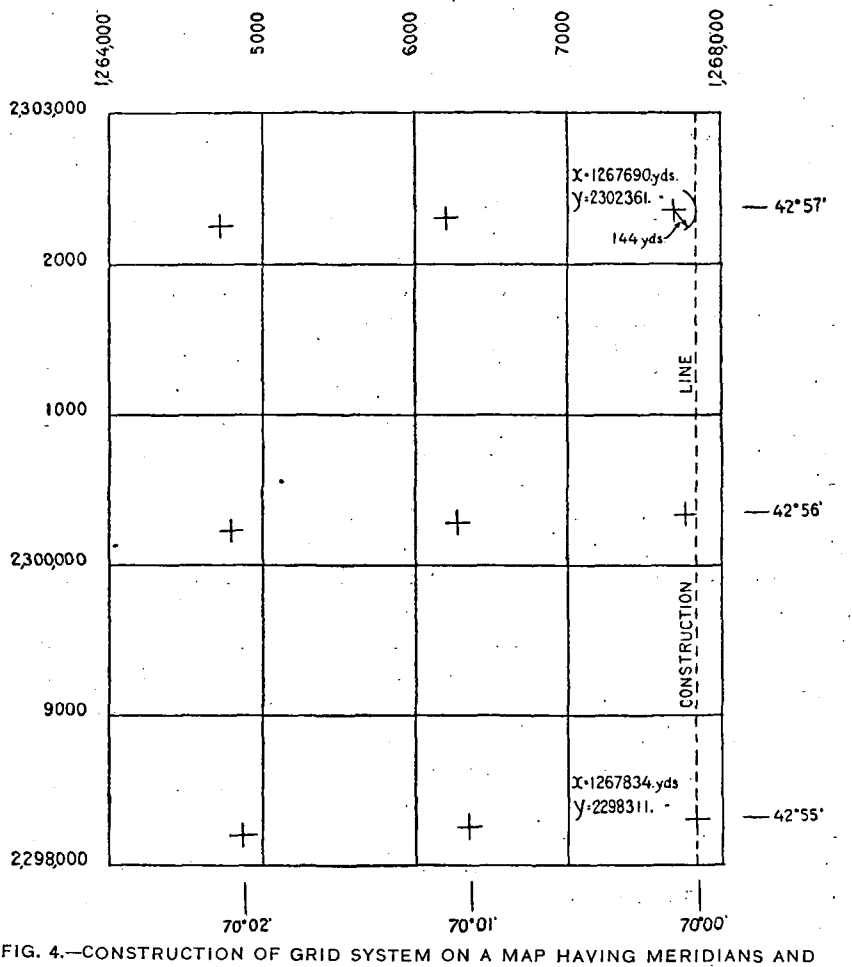

FIG. 4.—CONSTRUCTION OF GRID SYSTEM ON A MAP HAVING MERIDIANS AND PARALLELS.

Take some one intersection of a meridian and parallel in one corner of the map and enter the grid tables with these values and obtain the x coordinate for that intersection. Next take an intersection of the same meridian with a much higher or lower latitude. For instance, if the first intersection was in the southeast corner of the map, then take an intersection in the northeast corner, if the map is square with the meridians and parallels. Obtain from the table the

x coordinate for this northeast intersection. Next take the difference between the x coordinates of these two intersections, and with this as a radius describe an arc of a circle around one of the intersections (say the northeast one). This should be to the westward of the point, if the longitude is greater than 73°, and to the eastward if less than 73°. After this arc has been drawn, place a straightedge on the other intersection of the meridian and parallel and tangent to the arc and draw a line across the map. This line will be parallel to the y grid lines and upon it can be constructed the grid system of the map.

Let it be supposed that in figure 4 the projection lines have been plotted and that it is later desired to superimpose the grid system. In this case the table should be entered and the x and y coordinates obtained for the intersections of latitude 42° 55′ with longitude 70° 00′ and for latitude 42° 57′ with longitude 70° 00′. The tables show a difference in the x coordinates for these two intersections of 144 yards. With this distance as a radius, an arc of a circle is described to the eastward of the more northern one of the two intersections. (This arc could have been described to the westward of the southern one of the two intersections.) Next draw a line through the lower minute intersection tangent to the arc of the circle which was drawn to the eastward of the upper minute intersection. This line is parallel to a north-and-south line of the grid and may be considered a construction line. The next operation is to lay off a distance of 834 yards to the westward, and at right angles to the construction line at the lower part of the sheet, and the same distance to the westward of the construction line at the upper part of the sheet. A line joining the two points thus laid off will be a north-and-south thousand-yard line of the grid system whose x coordinate is 1 267 000 yards.

The next operation would be to lay off the distance of 311 yards along the construction line to the southward of the intersection of latitude 42° 55′ with longitude 70° 00′. The point thus plotted will be an even thousand-yard grid line running east and west. This point can be transferred to the north-and-south grid line previously constructed by drawing a line through it at right angles to the construction line or to the north-and-south grid line.

If the map is true to scale and not distorted, the grid system can now be extended over the whole sheet; but it is probable that the scale of the map will be somewhat changed from weather conditions and there may be some distortion in the sheet. This being the case, it will be well to lay off a point on the grid system near each of the four corners of the map. The intermediate 1000-yard grid lines running both north and south and east and west can then be interpolated,

and thus the effect of any error in the scale of the map or of distortion will be minimized or eliminated.

PLANE-TABLE SHEETS.

The plane table will be used for the location of the topographic features of the earth's surface. On the plane table is placed a sheet of paper on which the control points have been plotted. In order that these control points may be shown in the proper relation to each other, it is necessary to have some lines on the sheet which will represent some system of projection. In all of the special military surveys the polyconic projection will be used on the plane-table sheets, and each sheet will have a separate projection laid out upon it. There will be no relation between the projection shown on the single plane-table sheet and the general polyconic projection for the whole area of a zone.

When a plane-table sheet has a local polyconic projection placed upon it and has also the general grid system of coordinates on it, theoretically the grid lines will not be straight. The deviation of a grid line from a straight line, under this condition, will be so slight at any place within the whole zone covered by the grid system that no error will result. In fact, the deviation of the grid line from a straight line will always be within the amount of distortion of the paper due to weather conditions.

The method of laying out the polyconic projection is described in detail, and the necessary tables are given, in Special Publication No. 5 of the United States Coast and Geodetic Survey, copies of which can be obtained through the Office of the Chief of Engineers, Washington, D. C. Briefly, the process of making a polyconic projection on a plane-table sheet is to lay out the central meridian as a straight line and then enter the tables in Special Publication No. 5 and plot the intersections of minutes of latitude with minutes of longitude by means of the x and y coordinates given therein.

CONTROL POINTS ON PLANE-TABLE SHEETS.

When the plane-table sheet has been prepared by having the projection placed upon it, the next operation will be to have the control points of the triangulation and tape traverse plotted upon the sheet in their true geographic positions. These points will be used for the control of the topographic work in the field.

DETERMINATION OF DISTANCE BETWEEN POINTS FROM THEIR GRID COORDINATES.

The distance between two points whose grid coordinates are given is equal to the square root of the sum of the squares of the differences of the x coordinates and of the y coordinates. This distance will be

true over the whole map for lines running east and west. It will be within 1 part in 1000 for lines running in any direction if within 3° of the central meridian. Beyond that limit the error in a north-and-south line will increase until it is about 1½ parts in 1000 at a distance of 4° 30′ from the central meridian.

If an accurate distance is desired, it may be obtained from the differences in the x and y coordinates, if to the y difference is applied the scale correction.

These corrections are shown in the accompanying table (see p. 31.)

The uncorrected grid distance is always greater than the true or ground distance.

TRANSFORMATION OF GEOGRAPHIC AZIMUTHS TO GRID AZIMUTHS.

Owing to the converging of meridians, any line on the earth's surface will make a different angle with the grid meridian from the angle it makes with the geographic meridian.

In order to determine easily the difference between the two azimuths, tables have been prepared from which the correction may be computed. These tables are given on page 33.

The following is an example of the computation of the difference between the geographic and grid azimuths.

Let it be desired to determine the difference between the geographic and grid azimuths at a point whose latitude is 42° 50′ and longitude 70° 18′. In the azimuth tables it is found that the azimuth correction for latitude 42° and longitude 70° is 2° 00′ 24″.8, and the correction for the same latitude and longitude 71° is 1° 20′ 17″.2. The difference between these two corrections is 40′ 07″.6. The point for which the correction is desired is in longitude 70° 18′, which may be expressed as 70°.30. The difference mentioned above multiplied by 0.30 is 12′ 02″.3. This, subtracted from 2° 00′ 24″.8, which is the correction for latitude 42° and longitude 70°, gives 1° 48′ 22″.5. It is similarly found that the correction for latitude 43° and longitude 70° 18′ is 1° 50′ 27″.6.

The difference between these two corrections for longitude 70° 18′ is 2′ 05″.1. Latitude 42° 50′ may be expressed decimally as 42°.83. The difference between the two corrections multiplied by 0.83 is 1′ 43″.8. If this is added to 1° 48′ 22″.5, the correction at 70° 18′ of longitude and 42° of latitude, the result will be 1° 50′ 06″.3, which is the difference between the grid and the geographic azimuths at a point whose latitude is 42° 50′ and longitude 70° 18′.

To the west of the central meridian of the polyconic projection on which is superimposed the grid system the grid azimuths, counted clockwise, will be larger than the geographic or spherical azimuths. Therefore, when azimuths are reckoned clockwise, the difference between the two kinds of azimuths as computed from the table must

be added to the geographic azimuth to obtain the grid azimuth. Similarly, to the eastward of longitude 73°, the difference between the geographic and grid azimuths as computed from the tables, must be subtracted from the geographic azimuth in order to obtain the grid azimuth.

The tables for the special military maps apply to the whole country. Therefore, the azimuth tables can be used to obtain the difference between a geographic and a grid azimuth at any place in the United States.

The azimuth tables are extended to cover that portion of Maine to the eastward of the 68° 30′ of longitude.

Care must be taken in computing the azimuth correction in the area where two zones overlap.

TRANSFORMATION OF GRID AZIMUTHS TO GEOGRAPHIC AZIMUTHS.

The azimuth correction tables on page 33 are also used in computing the difference between a grid azimuth and a geographic azimuth.

The spherical coordinates of the station may be scaled from the map or may be computed. Where the spherical coordinates are known the tables are used in the same manner as that described under the heading "Transformation of geographic to grid azimuths," but when the azimuths are reckoned clockwise the difference will be added when to the east of the central meridian and subtracted when to the west. Note especially the caution in the last paragraph under the preceding heading.

TRANSFORMATION OF GEOGRAPHIC TO GRID AZIMUTHS AND THE REVERSE, APPROXIMATE METHOD.

When only an approximate difference between the grid and spherical azimuths is needed, it may be computed from the x and y coordinates given in the grid tables.

The process would be to take the difference between the x coordinate of the nearest intersection of one minute of longitude and latitude and the x coordinate of an intersection of a higher latitude with the same minute of longitude and divide this difference by the difference in the y coordinates of the two intersections. The quotient would be the tangent of the angle between a grid meridian and a geographic meridian. For instance, the difference in the y coordinates of the intersections of 70° 00′ with 42° 55′ and 42° 59′ is 8100 yards. The difference in the x coordinates is 289 yards. The x difference divided by the y difference would be 0.03568. This is the natural tangent of 2° 02′ 40″.

This angle is added to or subtracted from the spherical azimuth to obtain the grid azimuth, or is applied to the grid azimuth to obtain

the spherical azimuth. In this particular case it must be subtracted from the spherical azimuth to get the grid azimuth.

The angle will be correct within one-half minute in all cases.

TRANSFORMATION OF GEOGRAPHIC TO GRID COORDINATES.

Let P represent latitude,
L represent longitude,
C be the station,
A be point on first full minute to the west of C of same latitude as C,
B be point on first full minute to the east of C of same latitude as C,
x_1 and y_1 be grid coordinates of minute intersection southwest of C,
x_2 and y_2 be grid coordinates of minute intersection northwest of C,
x_3 and y_3 be grid coordinates of minute intersection northeast of C,
x_4 and y_4 be grid coordinates of minute intersection southeast of C,
C_P = seconds of latitude of C divided by 60,
C_L = seconds of longitude of C divided by 60.

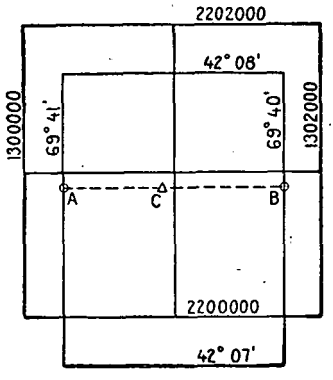

FIG. 5.—TRANSFORMATION OF GEOGRAPHIC TO GRID COORDINATES.

Then we have the following equations:

Grid x coordinate of $A = x_a = x_1 + C_P(x_2 - x_1)$.
x coordinate of $B = x_b = x_4 + C_P(x_3 - x_4)$.
x coordinate of $C = x_c = x_b + C_L(x_a - x_b)$.
y coordinate of $A = y_a = y_1 + C_P(y_2 - y_1)$.
y coordinate of $B = y_b = y_4 + C_P(y_3 - y_4)$.
y coordinate of $C = y_c = y_b + C_L(y_a - y_b)$.

COMPUTATION OF ARTILLERY GRID COORDINATES FROM GEOGRAPHIC COORDINATES.

[Station Browne. Coordinates are given in yards. The numbers inclosed in parentheses in column 2 represent the values in column 3 opposite the corresponding numbers in column 1.]

1	P	40° 50′ 30″. 73	15	x_a-x_b	−1537. 2
2	C_P	. 512	16	$x=x_b+(4)\times(15)$	927 429. 2
3	L	73° 47′ 12″. 57	17	y_1	2 040 817. 5
4	C_L	. 210	18	y_2	2 042 841. 6
5	x_1	926 205. 3	19	y_3	2 042 827. 7
6	x_2	926 223. 8	20	y_4	2 040 803. 6
7	x_3	927 760. 8	21	y_2-y_1	2024. 1
8	x_4	927 742. 7	22	y_3-y_4	2024. 1
9	x_2-x_1	18. 5	23	$C_P(y_2-y_1)$	1036. 3
10	x_3-x_4	18. 1	24	$C_P(y_3-y_4)$	1036. 3
11	$C_P(x_2-x_1)$	9. 5	25	$y_a=y_1+(23)$	2 041 853. 8
12	$C_P(x_3-x_4)$	9. 3	26	$y_b=y_4+(24)$	2 041 839. 9
13	$x_a=x_1+(11)$	926 214. 8	27	y_a-y_b	13. 9
14	$x_b=x_4+(12)$	927 752. 0	28	$y=y_b+(4)\times(27)$	2 041 842. 8

TRANSFORMATION OF GRID TO GEOGRAPHIC COORDINATES.

In figure 6 let 1, 2, 3, and 4 be a quadrangle of minute intersections within which the given point P lies.

Let x y be the grid coordinates of P.

Let x_1, x_2, x_3, and x_4 be the x coordinates of the corners 1, 2, 3, and 4, respectively. Let y_1, y_2, y_3, and y_4 be the y coordinates of the corners 1, 2, 3, and 4, respectively.

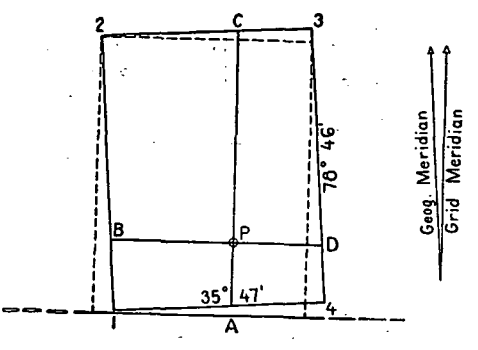

FIG. 6.—TRANSFORMATION OF GRID TO GEOGRAPHIC COORDINATES.

A, B, C, and D are points at which grid lines through P intersect the lines of the minute quadrangle.

Let x_a, x_b, x_c, x_d, y_a, y_b, y_c, and y_d be the grid coordinates of the points A, B, C, and D.

Then

$$y_a=y_4+\frac{x_4-x}{x_4-x_1}(y_1-y_4)$$

$$y_c=y_3+\frac{x_3-x}{x_3-x_2}(y_2-y_3).$$

Then the seconds of latitude of P above the minute line 1–4 will be:

$$\text{Seconds in latitude} = 60''\left(\frac{y-y_a}{y_c-y_a}\right).$$

$$x_b = x_1 + \frac{y-y_1}{y_2-y_1}(x_2-x_1)$$

$$x_d = x_4 + \frac{y-y_4}{y_3-y_4}(x_3-x_4).$$

Then the seconds of longitude of P west of the minute line 3–4 will be:

$$\text{Seconds in longitude} = 60''\left(\frac{x_d-x}{x_d-x_b}\right).$$

The computation can best be made on a form similar to the following sample. The grid coordinates of the point P are known, while the grid coordinates of the four-minute intersections are obtained from the grid tables. Care should be taken regarding the signs of differences shown in the form.

COMPUTATION OF GEOGRAPHIC COORDINATES FROM GRID COORDINATES.

[Station Cary. Coordinates are given in yards. The numbers inclosed in parentheses in column 2 represent the values in column 3 opposite the corresponding numbers of column 1.]

1	Lat. minus to south	35°.47′
2	Long. minus to east	78° 46′
3	x	1 220 027.5
4	y	1 430 414.5
5	x_1	1 219 154.9
6	x_2	1 219 109.2
7	x_3	1 220 756.3
8	x_4	1 220 802.4
9	y_1	1 429 935.3
10	y_2	1 431 958.1
11	y_3	1 431 995.5
12	y_4	1 429 972.7
13	x_4-x	774.9
14	x_4-x_1	1647.5
15	y_1-y_4	−37.4
16	$y_A=(12)+\frac{(13)}{(14)}(15)$	1 429 955.1
17	x_3-x	728.8
18	x_3-x_2	1647.1
19	y_2-y_3	−37.4
20	$y_C=(11)+\frac{(17)}{(18)}(19)$	1 431 979.0
21	$y-y_A$	459.4
22	y_C-y_A	2023.9
23	Sec. lat.$=60''\frac{(21)}{(22)}$	13.62″
24	$y-y_1$	479.2
25	y_2-y_1	2022.8
26	x_2-x_1	−45.7
27	$x_B=(5)+\frac{(24)}{(25)}(26)$	1 219 144.1
28	$y-y_4$	441.8
29	y_3-y_4	2022.8
30	x_3-x_4	−46.1
31	$x_D=(8)+\frac{(28)}{(29)}(30)$	1 220 792.3
32	x_D-x	764.8
33	x_D-x_B	1648.2
34	Sec. long.$=60''\frac{(32)}{(33)}$	27.84″
35	Lat. $=(1)+(23)$	35° 47′ 13.62″
36	Long.$=(2)+(34)$	78° 46′ 27.84″

REDUCTION OF MAP GRID AZIMUTHS TO TRUE GEOGRAPHIC AZIMUTHS.

The map grid azimuth, denoted by β, is determined by the formula

$$\tan\beta = \frac{x_2-x_1}{y_2-y_1}$$

By applying the proper correction for the reduction from grid azimuth to geographic azimuth (see table on page 33) the approximate geographic azimuth can be found. By interpolation in the table below with this azimuth as one argument and the latitude and longitude of the point observed as the other arguments the proper correction to this approximate azimuth can be found. This is the angular distortion of the projection. When this correction is added to the approximate angle from true north or south, the angle being always taken less than 90°, the true geographic azimuth from this point is obtained.

If the difference of the y's is corrected for the error in scale before computing tan β above, the approximate true grid azimuth will be obtained, and this can be reduced to the approximate geographic azimuth by applying the proper angle as taken from the table on page 33.

Corrections for the reduction of map grid azimuths to true grid azimuths.

LATITUDE 25°.

Angle from true north or south, degrees.	Longitude from central meridian.					
	1°	2°	3°	3° 30′	4°	4° 30′
	″	″	″	″	″	″
0	0.0	0.0	0.0	0.0	0.0	0.0
10	4.4	17.6	39.7	54.0	70.5	89.1
20	8.3	33.1	74.6	101.5	132.5	167.5
30	11.2	44.6	100.5	136.8	178.5	225.8
40	12.7	50.8	114.3	155.6	203.1	256.9
45	12.9	51.6	116.1	158.0	206.3	260.9
50	12.7	50.8	114.3	155.6	203.2	257.0
60	11.2	44.6	100.5	136.9	178.7	226.1
70	8.3	33.1	74.6	101.6	132.7	167.9
80	4.4	17.6	39.7	54.1	70.6	89.3
90	0.0	0.0	0.0	0.0	0.0	0.0

LATITUDE 30°.

0	0.0	0.0	0.0	0.0	0.0	0.0
10	4.0	16.1	36.2	49.3	64.4	81.4
20	7.6	30.3	68.1	92.6	121.0	153.0
30	10.2	40.8	91.8	124.8	163.0	206.2
40	11.6	46.4	104.4	142.0	185.5	234.6
45	11.8	47.1	106.0	144.2	188.4	238.3
50	11.6	46.4	104.4	142.0	185.5	234.7
60	10.2	40.8	91.8	124.9	163.2	206.5
70	7.6	30.3	68.1	92.7	121.2	153.3
80	4.0	16.1	36.2	49.3	64.5	81.6
90	0.0	0.0	0.0	0.0	0.0	0.0

LATITUDE 35°.

0	0.0	0.0	0.0	0.0	0.0	0.0
10	3.6	14.4	32.4	44.1	57.6	72.9
20	6.8	27.1	61.0	82.9	108.2	137.0
30	9.1	36.5	82.1	111.7	145.9	184.6
40	10.4	41.5	93.4	127.1	165.9	210.0
45	10.5	42.2	94.8	129.0	168.5	213.3
50	10.4	41.5	93.4	127.1	166.0	210.1
60	9.1	36.5	82.1	111.8	146.0	184.8
70	6.8	27.1	61.0	83.0	108.4	137.2
80	3.6	14.4	32.5	44.2	57.7	73.0
90	0.0	0.0	0.0	0.0	0.0	0.0

Corrections for the reduction of map grid azimuths to true grid azimuths.—Continued.

LATITUDE 40°.

Angle from true north or south, degrees.	Longitude from central meridian.					
	1°	2°	3°	3° 30′	4°	4° 30′
	″	″	″	″	″	″
0	0.0	0.0	0.0	0.0	0.0	0.0
10	3.1	12.6	28.3	38.6	50.4	63.7
20	5.9	23.7	53.3	72.5	94.7	119.8
30	7.9	32.0	71.8	97.7	127.6	161.4
40	9.0	36.3	81.6	111.1	145.1	183.6
45	9.2	36.9	82.9	112.9	147.4	186.5
50	9.0	36.4	81.6	111.2	145.1	183.7
60	8.0	32.0	71.8	97.8	127.7	161.6
70	5.9	23.7	53.3	72.6	94.8	120.0
80	3.1	12.6	28.4	38.6	50.4	63.8
90	0.0	0.0	0.0	0.0	0.0	0.0

LATITUDE 45°.

0	0.0	0.0	0.0	0.0	0.0	0.0
10	2.7	10.8	24.1	32.9	42.9	54.3
20	5.0	20.2	45.4	61.8	80.7	102.1
30	6.8	27.2	61.2	83.3	108.7	137.6
40	7.7	31.0	69.5	94.7	123.6	156.5
45	7.8	31.5	70.6	96.2	125.5	158.9
50	7.7	31.0	69.6	94.7	123.6	156.5
60	6.8	27.2	61.2	83.3	108.8	137.7
70	5.0	20.2	45.4	61.8	80.7	102.2
80	2.7	10.8	24.2	32.9	43.0	54.4
90	0.0	0.0	0.0	0.0	0.0	0.0

LATITUDE 50°.

0	0.0	0.0	0.0	0.0	0.0	0.0
10	2.2	8.9	20.0	27.2	35.5	44.9
20	4.2	16.7	37.5	51.1	66.7	84.4
30	5.6	22.5	50.5	68.8	89.9	113.7
40	6.4	25.6	57.5	78.3	102.2	129.3
45	6.5	26.0	58.4	79.5	103.8	131.3
50	6.4	25.6	57.5	78.3	102.2	129.3
60	5.6	22.5	50.6	68.9	89.9	113.8
70	4.2	16.7	37.5	51.1	66.7	84.4
80	2.2	8.9	20.0	27.2	35.5	44.9
90	0.0	0.0	0.0	0.0	0.0	0.0

FORMULAS FOR THE COMPUTATION OF COORDINATES ON THE ORDINARY OR AMERICAN POLYCONIC PROJECTION.

The latitude is denoted by ϕ and the longitude out from the central meridian by λ.

$$x' = \frac{a \cot \phi}{(1-\varepsilon^2 \sin^2 \phi)^{1/2}} \sin (\lambda \sin \phi).$$

$$y' = \frac{a \cot \phi}{(1-\varepsilon^2 \sin^2 \phi)^{1/2}} [1-\cos (\lambda \sin \phi)] = \frac{2a \cot \phi}{(1-\varepsilon^2 \sin^2 \phi)^{1/2}} \sin^2\left(\frac{\lambda \sin \phi}{2}\right).$$

$$\text{Tabular } x = 1\,000\,000.0 + x'$$

$$\text{Tabular } y = 2\,000\,000.0 + y_1 + y'$$

y_1 is the meridional arc from the parallel of 40° 30′ to the given parallel. $2\,000\,000.0 + y_1$ is equal to the value of y on the central meridian.

$$\rho_n = \frac{a}{(1-\varepsilon^2 \sin^2 \phi)^{1/2}}$$

ρ_n in meters is connected with the A factor in Special Publication No. 8, United States Coast and Geodetic Survey, by the relation

$$\log \rho_n = \text{colog } A + \text{colog sin } 1''$$
$$\log \rho_n \text{ in yards} = \text{colog } A + \text{colog sin } 1'' + 0.0388629.$$

When λ does not exceed 4° 30′, the following approximations can be used:

$$x' = \rho_n \lambda \cos \phi \left(1 - \frac{1}{6}\lambda^2 \sin^2\phi\right)$$

$$y' = \frac{1}{4}\rho_n \lambda^2 \sin 2\phi \left(1 - \frac{1}{12}\lambda^2 \sin^2\phi\right)$$

Because of the fact that interpolations were employed in the computation of the table, the values resulting from rigid computation will differ slightly from the tabular values. These differences should in no case to be greater than 1 yard.

$$\text{Scale error along the meridian} = \frac{1}{2}\lambda^2 \cos^2 \phi.$$

If η is the angle formed by the intersection of the meridian with the parallel on the side facing the central meridian, we have

$$\psi = \eta - \frac{\pi}{2} = \frac{1}{12}\lambda^3 \sin 2\phi \cos \phi.$$

In the last four formulas λ must be given in units of circular measure or radians.

TRANSFORMATION OF LOCAL PLANE COORDINATES TO STANDARD GRID COORDINATES.

In the triangulation of Greater New York[1] the positions of the stations are given by local plane coordinates, that is, by their distances north or south and east or west from some arbitrary local origin. A test has been made to see if a direct transformation can be made from these local plane coordinates to the grid coordinates without having to compute or make use of the geographic positions of the stations. Prescott Water Tower, one of the stations selected for the test, is the origin of the plane coordinates for a part of the New York triangulation. Payne is the name of the other station used in the test.

From an interpolation of the tables for the "Reduction of geodetic azimuths to grid azimuths" (see p. 33) the value of α (which is the angle between the meridian and the grid line, at Prescott Water Tower) is found to be 37′ 50.3″. The geodetic position of Prescott Water Tower is as follows: Lat. 40° 40′ 20.721″, long. 73° 58′ 03.841″.

[1] See Report on the Triangulation of Greater New York by the cooperation of the City of New York and the U. S. Coast and Geodetic Survey. Published by the City of New York.

This value of α would be used for every transformation of coordinates in which Prescott Water Tower is taken as the origin of coordinates ($x=0$, $y=0$). However, for each origin a new α would be figured.

If the local origin lies east of the central meridian, the angle α should be considered negative, which would merely change the sign of the terms containing sin α.

Computations were then made to determine whether there would be an appreciable difference in the grid values of station Payne when figured by two methods: First method—Plane coordinates of Payne, holding Prescott Water Tower as an origin with the Y axis parallel to the seventy-third meridian were computed, and the values so determined were added to the computed grid coordinates of Prescott Water Tower; the summation of the two gave the grid coordinates of Payne with respect to the standard grid system. Second method—Grid coordinates of Payne were figured directly from the geodetic position of Payne, with respect to the standard system in the usual manner.

First method.—The computation of the grid coordinates of Payne with Prescott Water Tower as origin is as follows: For the transformation of the coordinates, with respect to the grid line through the local origin, the following formulas are used:

$$x' = x\cos\alpha + y\sin\alpha$$
$$y' = -x\sin\alpha + y\cos\alpha$$

x and y are the old local coordinates.

x' and y' are local coordinates referred to local origin but with the Y axis parallel to the seventy-third meridian.

For station Payne:

x	$=22\,916.16$ yards.	y	$=10\,387.999$ yards.
Log x	$=4.3601418$	Log y	$=4.0165319$
Log cos α	$=9.9999737$	Log sin α	$=8.0416780$
	$14.3601155-10$		$12.0582099-10$
$x\cos\alpha$	$=22\,914.76$ yds.	$y\sin\alpha$	$=114.343$ yds.

$x' = 22\,914.76 + 114.343 = 23\,029.10$ yards for Payne (origin Prescott Water Tower).

Log x	$=4.3601418$	Log y	$=4.0165319$
Log sin α	$=8.0416780$	Log cos α	$=9.9999737$
	$12.4018198-10$		$14.0165056-10$
$-x\sin\alpha$	$=-252.243$	$y\cos\alpha$	$=10\,387.4$

$y' = 10\,387.4 - 252.24 = 10\,135.16$ for Payne (origin Prescott Water Tower).

The computation of the standard grid coordinates from geographic coordinates for Prescott Water Tower (the local origin) was then made

in the usual manner, and the above values determined for Payne station were added to the standard grid coordinates of Prescott Water Tower to determine the standard grid values of Payne.

Standard grid values for Prescott Water Tower $\begin{cases} x = & 910\,518.0 \\ y = & 2\,021\,431.2 \end{cases}$

$x_{PWT} =$ 910 518.0
$x'_{Payne} =$ 23 029.1 (referred to Prescott Water Tower).

$x_{Payne} =$ 933 547.1 (standard grid value).
$y_{PWT} =$ 2 021 431.2
$y'_{Payne} =$ 10 135.2 (referred to Prescott Water Tower).

$y_{Payne} =$ 2 031 566.4 standard grid value.

Second method.—Computations were then made for Payne in the usual manner to determine directly from its geodetic position the values of the standard grid coordinates.

Values determined are as follows:

Payne $\begin{cases} \text{Lat.} & 40°\ 45'\ 27.701''. \\ \text{Long.} & 73°\ 43'\ 10.517''. \end{cases}$

$\left.\begin{matrix} x = & 933\,547.2 \text{ yards} \\ y = & 2\,031\,567.1 \text{ yards} \end{matrix}\right\}$ Correct values on standard grid.

The y value as determined by the first method may now be corrected for scale error. For station Payne (Lat. 40° 45′ 27.701″—Long. 73° 43′ 10.517″) the scale error in yards per thousand yards, to be applied to the y' value as determined in first method, is found from the table of "corrections to y coordinates for magnification of scale" to be approximately 0.05 yard per thousand yards.

y'_{Payne}	= 10.1352 thousand yards	
Correction to be applied	= 10.1352 × 0.05 yd.	= 0.5 yard
y'_{Payne} (corrected)	= 10 135.2 + 0.5	= 10 135.7
y Prescott Water Tower	(standard grid)	= 2 021 431.2
y_{Payne} (standard grid)		= 2 031 566.9

Difference between the y value (standard grid) of Payne as determined by the two methods, the scale correction having been applied to the value obtained in the first method, equals −0.2 yard.

y value (standard grid) computed directly from the geodetic position of Payne = 2 031 567.1 yards.
y value (standard grid) computed about Prescott Water Tower as origin, with correction for scale error = 2 031 566.9 yards.
Difference = −0.2 yard.

The x values as determined by the two methods differ by +0.1 yard.

By applying the correction to the y value the grid coordinates, as computed about Prescott Water Tower as an origin and then transferred to the standard grid, lie well within the range of precision required.

COMPUTATION FOR THE TRANSFORMATION OF LOCAL PLANE COORDINATES TO STANDARD GRID COORDINATES.

[Station Payne. Coordinates are given in yards. The numbers inclosed in parentheses in column 2 represent the values in column 3 opposite the corresponding numbers in column 1.]

1	x_1	910 518.0	14	$x'=(11)+(13)$	23 029.10
2	y_1	2 021 431.2	15	Log $x \sin \alpha$	2.4018198
3	α	00° 37′ 50.3″	16	$-x \sin \alpha$	−252.243
4	x	22 916.16	17	Log $y \cos \alpha$	4.0165056
5	y	10 388.00	18	$y \cos \alpha$	10 387.4
6	Log x	4.3601418	19	$y'=(16)+(18)$	+10 135.16
7	Log y	4.0165319	20	Scale error per 1000 yards	0.05
8	Log sin α	8.0416780			
9	Log cos α	9.9999737	21	Scale corr. to y'	+0.5
10	Log $x \cos \alpha$	4.3601155	22	$y_1=(19)+(21)$	+10 135.7
11	$x \cos \alpha$	22 914.76	23	Grid $x=(1)+(14)$	933 547.1
12	Log $y \sin \alpha$	2.0582099	24	Grid $y=(2)+(22)$	2 031 566.9
13	$y \sin \alpha$	114.343			

Example of grid table for one-minute intersections.

Zone.	Long.	Lat. 42° 55′.		Lat. 42° 56′.		Lat. 42° 57′.		Lat. 42° 58′.		Lat. 42° 59′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*	*x*	*y*
	° ′										
A	70										
B	78										
C	86	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
D	94 00	1 267 834.3	2 298 311.1	1 267 762.1	2 300 336.1	1 267 689.8	2 302 361.1	1 267 617.5	2 304 386.1	1 267 545.3	2 306 411.2
E	102 01	66 346.9	258.2	66 275.1	283.2	66 203.2	308.2	66 131.3	333.2	66 059.5	358.3
F	110 02	64 859.6	205.6	64 788.1	230.6	64 716.6	255.6	64 645.2	280.6	64 573.7	305.7
G	118 03	63 372.2	153.3	63 301.2	178.3	63 230.1	203.3	63 159.0	228.3	63 088.0	253.4
	04	61 884.9	101.3	61 814.2	126.3	61 743.5	151.3	61 672.9	176.3	61 602.2	201.4
	05	60 397.5	2 298 049.6	60 327.2	074.6	60 256.9	099.5	60 186.7	124.5	60 116.4	149.6
	06	58 910.1	2 297 998.2	58 840.2	2 300 023.2	58 170.3	2 302 048.1	58 700.5	073.1	58 630.6	098.2
	07	57 422.7	947.1	57 353.2	2 299 972.1	57 283.7	2 301 997.0	57 214.3	2 304 022.0	57 144.8	2 306 047.1
	08	55 935.2	896.2	55 866.2	921.2	55 797.1	946.1	55 728.0	2 303 971.1	55 659.0	2 305 996.2
	09	54 447.8	845.7	54 379.2	870.7	54 310.5	895.6	54 241.8	920.6	54 173.2	945.7
	10	1 252 960.4	2 297 795.4	1 252 892.2	2 299 820.4	1 252 823.9	2 301 845.3	1 252 755.6	2 303 870.3	1 252 687.4	2 305 895.4
	11	51 472.9	745.5	51 405.1	770.4	51 337.2	795.4	51 269.3	820.4	51 201.5	845.4
	12	49 985.4	695.8	49 918.0	720.8	49 850.6	745.7	49 783.1	770.7	49 715.6	795.8
	13	48 498.0	646.5	48 431.0	671.4	48 363.9	696.4	48 296.8	721.4	48 229.8	746.4
	14	47 010.5	597.4	46 943.9	622.3	46 877.3	647.3	46 810.6	672.3	46 743.9	697.3
	15	45 523.0	548.6	45 456.8	573.5	45 390.6	598.5	45 324.3	623.5	45 258.0	648.5
	16	44 035.5	500.1	43 969.7	525.0	43 904.0	550.0	43 838.0	575.0	43 772.1	600.0
	17	42 548.0	451.9	42 482.6	476.8	42 417.2	501.8	42 351.7	526.8	42 286.2	551.8
	18	41 060.5	404.1	40 995.4	429.0	40 930.4	454.0	40 865.4	479.0	40 800.3	504.0
	19	39 573.0	356.5	39 508.3	381.4	39 443.7	406.4	39 379.1	431.4	39 314.4	456.4
	20	1 238 085.5	2 297 309.1	1 238 021.2	2 299 334.1	1 237 957.0	2 301 359.1	1 237 892.8	2 303 384.0	1 237 828.5	2 305 409.0
	21	36 597.9	262.1	36 534.0	287.1	36 470.2	312.1	36 406.4	337.0	36 342.5	362.0
	22	35 110.4	215.5	35 046.9	240.4	34 983.5	265.3	34 920.1	290.3	34 856.6	315.4
	23	33 622.8	169.0	33 559.7	193.9	33 496.7	218.9	33 433.7	243.9	33 370.6	268.9
	24	32 135.3	123.7	32 072.6	148.7	32 010.0	173.7	31 947.4	198.6	31 884.7	223.6
	25	30 647.7	077.1	30 585.4	102.0	30 523.2	126.9	30 461.0	151.9	30 398.7	177.0
	26	29 160.1	2 297 031.5	29 098.2	056.5	29 036.4	081.5	28 974.6	106.4	28 912.7	131.4
	27	27 672.5	2 296 986.3	27 611.0	2 299 011.2	27 549.6	2 301 036.1	27 488.2	061.1	27 426.7	086.2
	28	26 184.9	941.3	26 123.8	2 298 966.3	26 062.8	2 300 991.3	26 001.8	2 303 016.2	25 940.7	2 305 041.2
	29	1 224 697.3	2 296 896.7	1 224 636.6	2 298 921.7	1 224 576.0	2 300 946.6	1 224 515.4	2 302 971.5	1 224 454.7	2 304 996.6

Corrections to y coordinates for magnification of scale.

[Correction is in yards per thousand yards.]

Latitude.	Zone and longitude.									
	° ′	°	° ′	°	° ′	°	° ′	°	° ′	°
	A, 68 30	69	69 30	70	70 30	71	71 30	72	72 30	73
	B, 76 30	77	77 30	78	78 30	79	79 30	80	80 30	81
	C, 84 30	85	85 30	86	86 30	87	87 30	88	88 30	89
	D, 92 30	93	93 30	94	94 30	95	95 30	96	96 30	97
	E, 100 30	101	101 30	102	102 30	103	103 30	104	104 30	105
	F, 108 30	109	109 30	110	110 30	111	111 30	112	112 30	113
	G, 116 30	117	117 30	118	118 30	119	119 30	120	120 30	121
°										
24	2.574	2.034	1.557	1.144	0.794	0.508	0.286	0.127	0.032	0.000
25	2.533	2.002	1.533	1.126	.782	.500	.281	.125	.031	.000
26	2.492	1.969	1.507	1.107	.769	.492	.277	.123	.031	.000
27	2.449	1.935	1.481	1.088	.756	.484	.272	.121	.030	.000
28	2.404	1.900	1.455	1.069	.742	.475	.267	.119	.030	.000
29	2.359	1.864	1.427	1.049	.728	.466	.262	.117	.029	.000
30	2.313	1.828	1.399	1.028	.714	.457	.257	.114	.029	.000
31	2.266	1.790	1.371	1.007	.699	.448	.252	.112	.028	.000
32	2.218	1.753	1.342	0.986	.685	.438	.246	.110	.027	.000
33	2.169	1.714	1.312	.964	.670	.429	.241	.107	.027	.000
34	2.120	1.675	1.282	.942	.654	.419	.236	.105	.026	.000
35	2.070	1.635	1.252	.920	.639	.409	.230	.102	.026	.000
36	2.018	1.595	1.221	.897	.623	.399	.224	.100	.025	.000
37	1.967	1.554	1.190	.874	.607	.389	.219	.097	.024	.000
38	1.915	1.513	1.159	.851	.591	.378	.213	.095	.024	.000
39	1.863	1.472	1.127	.828	.575	.368	.207	.092	.023	.000
40	1.810	1.430	1.095	.804	.559	.358	.201	.089	.022	.000
41	1.757	1.388	1.063	.781	.542	.347	.195	.087	.022	.000
42	1.703	1.346	1.030	.757	.526	.336	.189	.084	.021	.000
43	1.650	1.303	0.997	.733	.509	.326	.183	.081	.020	.000
44	1.596	1.261	.965	.709	.493	.315	.177	.079	.020	.000
45	1.542	1.218	.933	.685	.476	.305	.171	.076	.019	.000
46	1.488	1.176	.900	.661	.459	.294	.165	.073	.018	.000
47	1.435	1.133	.868	.638	.443	.283	.159	.071	.018	.000
48	1.381	1.091	.835	.614	.426	.273	.153	.068	.017	.000
49	1.328	1.049	.803	.590	.410	.262	.148	.066	.016	.000
50	1.274	1.007	.771	.566	.393	.252	.142	.063	.016	.000

Latitude.	Zone and longitude—Continued.									
	°	° ′	°	° ′	°	° ′	°	° ′	°	° ′
	A, 73	73 30	74	74 30	75	75 30	76	76 30	77	77 30
	B, 81	81 30	82	82 30	83	83 30	84	84 30	85	85 30
	C, 89	89 30	90	90 30	91	91 30	92	92 30	93	93 30
	D, 97	97 30	98	98 30	99	99 30	100	100 30	101	101 30
	E, 105	105 30	106	106 30	107	107 30	108	108 30	109	109 30
	F, 113	113 30	114	114 30	115	115 30	116	116 30	117	117 30
	G, 121	121 30	122	122 30	123	123 30	124	124 30	125	125 30
°										
24	0.000	0.032	0.127	0.286	0.508	0.794	1.144	1.557	2.034	2.574
25	.000	.031	.125	.281	.500	.782	1.126	1.533	2.002	2.533
26	.000	.031	.123	.277	.492	.769	1.107	1.507	1.969	2.492
27	.000	.030	.121	.272	.484	.756	1.088	1.481	1.935	2.449
28	.000	.030	.119	.267	.475	.742	1.069	1.455	1.900	2.404
29	.000	.029	.117	.262	.466	.728	1.049	1.427	1.864	2.359
30	.000	.029	.114	.257	.457	.714	1.028	1.399	1.828	2.313
31	.000	.028	.112	.252	.448	.699	1.007	1.371	1.790	2.266
32	.000	.027	.110	.246	.438	.685	0.986	1.342	1.753	2.218
33	.000	.027	.107	.241	.429	.670	.964	1.312	1.714	2.169
34	.000	.026	.105	.236	.419	.654	.942	1.282	1.675	2.120
35	.000	.026	.102	.230	.409	.639	.920	1.252	1.635	2.070
36	.000	.025	.100	.224	.399	.623	.897	1.221	1.595	2.018
37	.000	.024	.097	.219	.389	.607	.874	1.190	1.554	1.967
38	.000	.024	.095	.213	.378	.591	.851	1.159	1.513	1.915
39	.000	.023	.092	.207	.368	.575	.828	1.127	1.472	1.863
40	.000	.022	.089	.201	.358	.559	.804	1.095	1.430	1.810
41	.000	.022	.087	.195	.347	.542	.781	1.063	1.388	1.757
42	.000	.021	.084	.189	.336	.526	.757	1.030	1.346	1.703
43	.000	.020	.081	.183	.326	.509	.733	0.997	1.303	1.650
44	.000	.020	.079	.177	.315	.493	.709	.965	1.261	1.596
45	.000	.019	.076	.171	.305	.476	.685	.933	1.218	1.542
46	.000	.018	.073	.165	.294	.459	.661	.900	1.176	1.488
47	.000	.018	.071	.159	.283	.443	.638	.868	1.133	1.435
48	.000	.017	.068	.153	.273	.426	.614	.835	1.091	1.381
49	.000	.016	.066	.148	.262	.410	.590	.803	1.049	1.328
50	.000	.016	.063	.142	.252	.393	.566	.771	1.007	1.274

Corrections to y coordinates for magnification of scale—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE.

Latitude.	Longitude.			
	66° 30′	67° 00′	67° 30′	68° 00′
°				
44	3.330	2.837	2.384	1.970
45	3.218	2.742	2.304	1.904
46	3.105	2.646	2.223	1.837
47	.....	2.550	2.143	1.771
48	.....	2.455	2.063	1.705

Approximate corrections to y coordinates for magnification of scale.

[Correction is in yards per thousand yards.]

Latitude.	Longitude from central meridian.													
	0° 00′	0° 30′	1° 00′	1° 30′	2° 00′	2° 30′	3° 00′	3° 30′	4° 00′′	4° 30′	5° 00′	5° 30′	6° 00′	6° 30′
°														
24	0.0	0.0	0.1	0.3	0.5	0.8	1.1	1.6	2.0	2.6	.....	.....	.....	.....
26	.0	.0	.1	.3	.5	.8	1.1	1.5	2.0	2.5	.....	.....	.....	.....
28	.0	.0	.1	.3	.5	.7	1.1	1.5	1.9	2.4	.....	.....	.....	.....
30	.0	.0	.1	.3	.5	.7	1.0	1.4	1.8	2.3	.....	.....	.....	.....
32	.0	.0	.1	.2	.4	.7	1.0	1.3	1.8	2.2	.....	.....	.....	.....
34	.0	.0	.1	.2	.4	.7	0.9	1.3	1.7	2.1	.....	.....	.....	.....
36	.0	.0	.1	.2	.4	.6	.9	1.2	1.6	2.0	.....	.....	.....	.....
38	.0	.0	.1	.2	.4	.6	.9	1.2	1.5	1.9	.....	.....	.....	.....
40	.0	.0	.1	.2	.4	.6	.8	1.1	1.4	1.8	.....	.....	.....	.....
	.0	.0	.1	.2	.3	.5	.8	1.0	1.3	1.7	.....	.....	.....	.....
44	.0	.0	.1	.2	.3	.5	.7	1.0	1.3	1.6	2.0	2.4	2.8	3.3
46	.0	.0	.1	.2	.3	.5	.7	0.9	1.2	1.5	1.8	2.2	2.6	3.1
48	.0	.0	.1	.2	.3	.4	.6	.8	1.1	1.4	1.7	2.1	2.5	.....
50	.0	.0	.1	.1	.3	.4	.6	.8	1.0	1.3	.....	.....	.....	.....

Corrections for the reduction of geographic azimuths to grid azimuths.

[Tabular value$=\lambda \sin \phi - \frac{1}{12}\lambda^3\left(\frac{\pi}{180}\right)^2 \sin 2\phi \cos \phi$; λ=distance in degrees from the central meridian; ϕ=latitude.]

Latitude.	Zone and longitude.												
	° 67	° A, 68 B, 76 C, 84 D, 92 E, 100 F, 108 G, 116	° 69 77 85 93 101 109 117	° 70 78 86 94 102 110 118	° 71 79 87 95 103 111 119	° 72 80 88 96 104 112 120	° 73 81 89 97 105 113 121	° 74 82 90 98 106 114 122	° 75 83 91 99 107 115 123	° 76 84 92 100 108 116 124	° 77 85 93 101 109 117 125	° 78 86 94 102 110 118 126
°	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″	° ′ ″
24		2 01 53	1 37 33	1 13 11	0 48 48	0 24 24	0 00 00	0 24 24	0 48 48	1 13 11	1 37 33	2 01 53
25		06 39	41 22	16 03	50 42	25 21	00	25 21	50 42	16 03	41 22	06 39
26		11 23	45 08	18 53	52 36	26 18	00	26 18	52 36	18 53	45 08	11 23
27		16 04	48 53	21 41	54 28	27 14	00	27 14	54 28	21 41	48 53	16 04
28		20 42	52 36	24 28	56 20	28 10	00	28 10	56 20	24 28	52 36	20 42
29		25 18	56 17	27 14	58 10	29 05	00	29 05	58 10	27 14	56 17	25 18
30		29 51	1 59 56	29 58	0 59 59	30 00	00	30 00	0 59 59	29 58	1 59 56	29 51
31		34 22	2 03 32	32 40	1 01 48	30 54	00	30 54	1 01 48	32 40	2 03 32	34 22
32		38 50	07 06	35 21	03 35	31 48	00	31 48	03 35	35 21	07 06	38 50
33		43 15	10 38	38 00	05 21	32 41	00	32 41	05 21	38 00	10 38	43 15
34		47 37	14 08	40 37	07 06	33 33	00	33 33	07 06	40 37	14 08	47 37
35		51 56	17 35	43 13	08 49	34 25	00	34 25	08 49	43 13	17 35	51 56
36		2 56 11	21 00	45 46	10 31	35 16	00	35 16	10 31	45 46	21 00	2 56 11
37		3 00 24	24 22	48 18	12 12	36 06	00	36 06	12 12	48 18	24 22	3 00 24
38		04 33	27 41	50 47	13 52	36 56	00	36 56	13 52	50 47	27 41	04 33
39		08 39	30 58	53 15	15 30	37 45	00	37 45	15 30	53 15	30 58	08 39
40		12 42	34 12	55 40	17 07	38 34	00	38 34	17 07	55 40	34 12	12 42
41		16 40	37 23	1 58 04	18 43	39 22	00	39 22	18 43	1 58 04	37 23	16 40
42		20 36	40 31	2 00 25	20 17	40 09	00	40 09	20 17	2 00 25	40 31	20 36
43		24 28	43 36	02 44	21 50	40 55	00	40 55	21 50	02 44	43 36	24 28
44	4 09 50	28 16	46 39	05 00	23 21	41 41	00	41 41	23 21	05 00	46 39	28 16
45	14 19	32 00	49 38	07 15	24 51	42 25	00	42 25	24 51	07 15	49 38	32 00
46	18 44	35 40	52 34	09 27	26 19	43 10	00	43 10	26 19	09 27	52 34	35 40
47	23 04	39 17	55 27	11 37	27 45	43 53	00	43 53	27 45	11 37	55 27	39 17
48	27 19	42 49	2 58 17	13 44	29 10	44 35	00	44 35	29 10	13 44	2 58 17	42 49
49		46 17	3 01 04	15 49	30 33	45 17	00	45 17	30 33	15 49	3 01 04	46 17
50		49 42	03 47	17 52	31 55	45 58	00	45 58	31 55	17 52	03 47	49 42

Grid coordinates for five-minute intersections.

Long.		Lat. 24° 00′.		Lat. 24° 05′.		Lat. 24° 10′.		Lat. 24° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 / 95	30	1 166 914.9	− 92.7	1 166 807.3	10 003.1	1 166 699.3	20 099.0	1 166 590.9	30 195.1
	35	57 642.1	−188.7	57 540.5	9906.8	57 438.5	20 002.5	57 336.2	0098.3
	40	48 369.4	−279.2	48 273.7	9816.1	48 177.7	19 911.5	48 081.4	30 007.1
	45	39 096.5	−364.3	39 006.8	9730.8	38 916.9	9826.0	38 826.6	29 921.4
	50	29 823.7	−443.8	29 740.0	9651.1	29 656.0	9746.1	29 571.7	9841.2
	55	20 550.7	−517.9	20 473.0	9576.8	20 395.0	9671.6	20 316.8	9766.6
80 / 96	00	1 111 277.8	−586.4	1 111 206.1	9508.1	1 111 134.0	19 602.7	1 111 061.8	29 697.5
	05	1 102 004.7	−649.5	1 101 939.0	9444.8	1 101 872.9	9539.3	1 101 806.7	9633.9
	10	1 092 731.6	−707.1	1 092 671.9	9387.1	1 092 611.8	9481.4	1 092 551.6	9575.8
	15	83 458.5	−759.2	83 404.8	9334.8	83 350.7	9429.0	83 296.5	9523.3
	20	74 185.5	−805.9	74 137.6	9288.1	74 089.6	9382.1	74 041.4	9476.3
	25	64 912.4	−847.0	64 870.5	9246.8	64 828.5	9340.8	64 786.3	9434.9
	30	55 639.3	−882.7	55 603.4	9211.1	55 567.4	9304.9	55 531.2	9398.9
	35	46 366.1	−912.8	46 336.2	9180.8	46 306.2	9274.6	46 276.0	9368.5
	40	37 092.9	−937.5	37 068.9	9156.1	37 045.0	9249.8	37 020.8	9343.6
	45	27 819.6	−956.7	27 801.7	9136.8	27 783.8	9230.5	27 765.6	9324.3
	50	18 546.4	−970.4	18 534.5	9123.1	18 522.5	9216.7	18 510.4	9310.5
	55	09 273.2	−978.7	09 267.2	9114.8	09 261.3	9208.4	09 255.2	9302.2
81 / 97	00	1 000 000.0	−981.4	1 000 000.0	9112.1	1 000 000.0	19 205.7	1 000 000.0	29 299.4
	05	990 726.8	−978.7	990 732.8	9114.8	990 738.7	9208.4	990 744.7	9302.2
	10	81 453.6	−970.4	81 465.5	9123.1	81 477.5	9216.7	81 489.6	9310.5
	15	72 180.4	−956.7	72 198.3	9136.8	72 216.2	9230.5	72 234.4	9324.3
	20	62 907.1	−937.5	62 931.1	9156.1	62 955.0	9249.8	62 979.2	9343.6
	25	53 633.9	−912.8	53 663.8	9180.8	53 693.8	9274.6	53 724.0	9368.5
	30	44 360.7	−882.7	44 396.6	9211.1	44 432.6	9304.9	44 468.8	9398.9
	35	35 087.6	−847.0	35 129.5	9246.8	35 171.5	9340.8	35 213.7	9434.9
	40	25 814.5	−805.9	25 862.4	9288.1	25 910.4	9382.1	25 958.6	9476.3
	45	16 541.5	−759.2	16 595.2	9334.8	16 649.3	9429.0	16 703.5	9523.3
	50	907 268.4	−707.1	907 328.1	9387.1	907 388.2	9481.4	907 448.4	9575.8
	55	897 995.3	−649.5	898 061.0	9444.8	898 127.1	9539.3	898 193.3	9633.9
82 / 98	00	888 722.2	−586.4	888 793.9	9508.1	888 866.0	19 602.7	888 938.2	29 697.5
	05	79 449.3	−517.9	79 527.0	9576.8	79 605.0	9671.6	79 683.2	9766.6
	10	70 176.3	−443.8	70 260.0	9651.1	70 344.0	9746.1	70 428.3	9841.2
	15	60 903.5	−364.3	60 993.2	9730.8	61 083.1	9826.0	61 173.4	29 921.4
	20	51 630.6	−279.2	51 726.3	9816.1	51 822.3	19 911.5	51 918.6	30 007.1
	25	42 357.9	−188.7	42 459.5	9906.8	42 561.5	20 002.5	42 663.8	0098.3
82 / 98	30	833 085.1	− 92.7	833 192.7	10 003.1	833 300.7	20 099.0	833 409.1	30 195.1

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 24° 15′.		Lat. 24° 20′.		Lat. 24° 25′.		Lat. 24° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 166 590.9	30 195.1	1 166 482.1	40 291.2	1 166 373.1	50 387.3	1 166 263.6	60 483.6
95 35	57 336.2	0098.3	57 233.4	0194.2	57 130.4	0290.1	57 027.1	0386.1
40	48 081.4	30 007.1	47 984.7	0102.7	47 887.8	0198.4	47 790.5	0294.1
45	38 826.6	29 921.4	38 735.9	40 016.8	29 402.3	50 031.7	29 317.2	0127.1
50	29 571.7	9841.2	29 487.1	39 936.4	20 159.4	49 956.7	20 080.4	60 051.9
55	20 316.8	9766.6	20 238.2	9861.6				
80 00	1 111 061.8	29 697.5	1 110 989.3	39 792.3	1 110 916.6	49 887.2	1 110 843.6	59 982.2
96 05	1 101 806.7	9633.9	1 101 740.2	9728.5	1 101 673.6	9823.3	1 101 606.7	9918.2
10	1 092 551.6	9575.8	1 092 491.2	9670.3	1 092 430.6	9764.9	1 092 369.8	9859.7
15	83 296.5	9523.3	83 242.1	9617.7	83 187.6	9712.2	83 132.9	9806.7
20	74 041.4	9476.3	73 993.1	9570.6	73 944.7	9664.9	73 896.0	9759.4
25	64 786.3	9434.9	64 744.0	9529.0	64 701.7	9623.2	64 659.1	9717.6
30	55 531.2	9398.9	55 495.0	9493.0	55 458.7	9587.1	55 422.2	9681.4
35	46 276.0	9368.5	46 245.8	9462.5	46 215.6	9556.6	46 185.2	9650.7
40	37 020.8	9343.6	36 996.7	9437.5	36 972.5	9531.6	36 948.1	9625.7
45	27 765.6	9324.3	27 747.5	9418.1	27 729.4	9512.1	27 711.1	9606.2
50	18 510.4	9310.5	18 498.3	9404.3	18 486.2	9498.2	18 474.1	9592.2
55	09 255.2	9302.2	09 249.2	9396.0	09 243.1	9489.9	09 237.0	9583.9
81 00	1 000 000.0	29 299.4	1 000 000.0	39 393.2	1 000 000.0	49 487.1	1 000 000.0	59 581.1
97 05	990 744.7	9302.2	990 750.8	9396.0	990 756.9	9489.9	990 763.0	9583.9
10	81 489.6	9310.5	81 501.7	9404.3	81 513.8	9498.2	81 525.9	9592.2
15	72 234.4	9324.3	72 252.5	9418.1	72 270.6	9512.1	72 288.9	9606.2
20	62 979.2	9343.6	63 003.3	9437.5	63 027.5	9531.6	63 051.9	9625.7
25	53 724.0	9368.5	53 754.2	9462.5	53 784.4	9556.6	53 814.8	9650.7
30	44 468.8	9398.9	44 505.0	9493.0	44 541.3	9587.1	44 577.8	9681.4
35	35 213.7	9434.9	35 256.0	9529.0	35 298.3	9623.2	35 340.9	9717.6
40	25 958.6	9476.3	26 006.9	9570.6	26 055.3	9664.9	26 104.0	9759.4
45	16 703.5	9523.3	16 757.9	9617.7	16 812.4	9712.2	16 867.1	9806.7
50	907 448.4	9575.8	907 508.8	9670.3	907 569.4	9764.9	907 630.2	9859.7
55	898 193.3	9633.9	898 259.8	9728.5	898 326.4	9823.3	898 393.3	9918.2
82 00	888 938.2	29 697.5	889 010.7	39 792.3	889 083.4	49 887.2	889 156.4	59 982.2
98 05	79 683.2	9766.6	79 761.8	9861.6	79 840.6	49 956.7	79 919.6	60 051.9
10	70 428.3	9841.2	70 512.9	39 936.4	70 597.7	50 031.7	70 682.8	0127.1
15	61 173.4	29 921.4	61 264.1	40 016.8	61 355.0	0112.3	61 446.1	0207.9
20	51 918.6	30 007.1	52 015.2	0102.7	52 112.2	0198.4	52 209.5	0294.1
25	42 663.8	0098.3	42 766.6	0194.2	42 869.6	0290.1	42 972.9	0386.1
82 30	833 409.1	30 195.1	833 517.9	40 291.2	833 626.9	50 387.3	833 736.4	60 483.6
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Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 24° 30′.		Lat. 24° 35′.		Lat. 24° 40′.		Lat. 24° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 166 263.6	60 483.6	1 166 153.9	70 580.1	1 166 043.8	80 676.7	1 165 933.2	90 773.2
95 35	57 027.1	0386.1	56 923.5	0482.4	56 819.4	0578.7	56 715.0	0675.0
40	47 790.5	0294.1	47 693.0	0390.2	47 595.1	0486.3	47 496.8	0582.4
45	38 553.9	0207.9	38 462.4	0303.7	38 370.6	0399.5	38 278.5	0495.4
50	29 317.2	0127.1	29 231.8	0222.7	29 146.2	0318.3	29 060.2	0414.0
55	20 080.4	60 051.9	20 001.2	0147.3	19 921.6	0242.7	19 841.8	0338.2
80 00	1 110 843.6	59 982.2	1 110 770.5	70 077.4	1 110 697.1	80 172.7	1 110 623.4	90 268.0
96 05	1 101 606.7	9918.2	1 101 539.7	70 013.2	1 101 472.4	0108.4	1 101 404.8	0203.5
10	1 092 369.8	9859.7	1 092 308.9	69 954.6	1 092 247.7	80 049.6	1 092 186.3	0144.5
15	83 132.9	9806.7	83 078.0	9901.5	83 023.0	79 996.4	82 967.7	0091.2
20	73 896.0	9759.4	73 847.2	9854.0	73 798.3	9948.8	73 749.2	0043.5
25	64 659.1	9717.6	64 616.4	9812.1	64 573.6	9906.8	64 530.6	90 001.4
30	55 422.2	9681.4	55 385.6	9775.8	55 348.9	9870.4	55 312.1	89 964.9
35	46 185.2	9650.7	46 154.7	9745.1	46 124.1	9839.6	46 093.4	9934.1
40	36 948.1	9625.7	36 923.7	9720.0	36 899.3	9814.4	36 874.7	9908.8
45	27 711.1	9606.2	27 692.8	9700.4	27 674.4	9794.8	27 656.0	9889.1
50	18 474.1	9592.2	18 461.9	9686.5	18 449.6	9780.8	18 437.4	9875.1
55	09 237.0	9583.9	09 231.0	9678.1	09 224.8	9772.4	09 218.7	9866.7
81 00	1 000 000.0	59 581.1	1 000 000.0	69 675.3	1 000 000.0	79 769.6	1 000 000.0	89 863.9
97 05	990 763.0	9583.9	990 769.0	9678.1	990 775.2	9772.4	990 781.3	9866.7
10	81 525.9	9592.2	81 538.1	9686.5	81 550.4	9780.8	81 562.6	9875.1
15	72 288.9	9606.2	72 307.2	9700.4	72 325.6	9794.8	72 344.0	9889.1
20	63 051.9	9625.7	63 076.3	9720.0	63 100.7	9814.4	63 125.3	9908.8
25	53 814.8	9650.7	53 845.3	9745.1	53 875.9	9839.6	53 906.6	9934.1
30	44 577.8	9681.4	44 614.4	9775.8	44 651.1	9870.4	44 687.9	89 964.9
35	35 340.9	9717.6	35 383.6	9812.1	35 426.4	9906.8	35 469.4	90 001.4
40	26 104.0	9759.4	26 152.8	9854.0	26 201.7	9948.8	26 250.8	0043.5
45	16 867.1	9806.7	16 922.0	9901.5	16 977.0	79 996.4	17 032.3	0091.2
50	907 630.2	9859.7	907 691.1	69 954.6	907 752.3	80 049.6	907 813.7	0144.5
55	898 393.3	9918.2	898 460.3	70 013.2	898 527.6	0108.4	898 595.2	0203.5
82 00	889 156.4	59 982.2	889 229.5	70 077.4	889 302.9	80 172.7	889 376.6	90 268.0
98 05	79 919.6	60 051.9	79 998.8	0147.3	80 078.4	0242.7	80 158.2	0338.2
10	70 682.8	0127.1	70 768.2	0222.7	70 853.8	0318.3	70 939.8	0414.0
15	61 446.1	0207.9	61 537.6	0303.7	61 629.4	0399.5	61 721.5	0495.4
20	52 209.5	0294.1	52 307.0	0390.2	52 404.9	0486.3	52 503.2	0582.4
25	42 972.9	0386.1	43 076.5	0482.4	43 180.6	0578.7	43 285.0	0675.0
82 30	833 736.4	60 483.6	833 846.1	70 580.1	833 956.2	80 676.7	834 066.8	90 773.2

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 24° 45′.		Lat. 24° 50′.		Lat. 24° 55′.		Lat. 25° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 95 30	1 165 933.2	90 773.2	1 165 822.4	100 870.0	1 165 711.3	110 966.8	1 165 599.8	121 063.7
35	56 715.0	0675.0	56 610.4	0771.5	56 505.5	0868.1	56 400.2	0964.7
40	47 496.8	0582.4	47 398.3	0678.7	47 299.6	0775.0	47 200.5	0871.4
45	38 278.5	0495.4	38 186.1	0591.4	38 093.6	0687.5	38 000.7	0783.8
50	29 060.2	0414.0	28 974.0	0509.9	28 887.6	0605.7	28 800.9	0701.8
55	19 841.8	0338.2	19 761.8	0433.9	19 681.5	0529.6	19 601.0	0625.4
80 96 00	1 110 623.4	90 268.0	1 110 549.5	100 363.5	1 110 475.4	110 459.1	1 110 401.1	120 554.8
05	1 101 404.8	0203.5	1 101 337.1	0298.8	1 101 269.2	0394.2	1 101 201.2	0489.7
10	1 092 186.3	0144.5	1 092 124.7	0239.8	1 092 063.0	0335.0	1 092 001.1	0430.4
15	82 967.7	0091.2	82 912.3	0186.3	82 856.7	0281.4	82 801.1	0376.6
20	73 749.2	0043.5	73 699.9	0138.5	73 650.5	0233.4	73 601.0	0328.6
25	64 530.6	90 001.4	64 487.5	0096.3	64 444.3	0191.1	64 401.0	0286.1
30	55 312.1	89 964.9	55 275.1	0059.7	55 238.1	0154.4	55 200.9	0249.4
35	46 093.4	9934.1	46 062.6	0028.7	46 031.8	0123.4	46 000.8	0218.3
40	36 874.7	9908.8	36 850.1	100 003.4	36 825.4	0098.0	36 800.6	0192.8
45	27 656.0	9889.1	27 637.5	99 983.7	27 619.1	0078.3	27 600.5	0173.0
50	18 437.4	9875.1	18 425.0	9969.7	18 412.7	0064.2	18 400.3	0158.9
55	09 218.7	9866.7	09 212.5	9961.2	09 206.4	0055.7	09 200.2	0150.4
81 97 00	1 000 000.0	89 863.9	1 000 000.0	99 958.4	1 000 000.0	110 052.9	1 000 000.0	120 147.6
05	990 781.3	9866.7	990 787.5	9961.2	990 793.6	0055.7	990 799.8	0150.4
10	81 562.6	9875.1	81 575.0	9969.7	81 587.3	0064.2	81 599.7	0158.9
15	72 344.0	9889.1	72 362.5	99 983.7	72 380.9	0078.3	72 399.5	0173.0
20	63 125.3	9908.8	63 149.9	100 003.4	63 174.6	0098.0	63 199.4	0192.8
25	53 906.6	9934.1	53 937.4	0028.7	53 968.2	0123.4	53 999.2	0218.3
30	44 687.9	89 964.9	44 724.9	0059.7	44 761.9	0154.4	44 799.1	0249.4
35	35 469.4	90 001.4	35 512.5	0096.3	35 555.7	0191.1	35 599.0	0286.1
40	26 250.8	0043.5	26 300.1	0138.5	26 349.5	0233.4	26 399.0	0328.6
45	17 032.3	0091.2	17 087.7	0186.3	17 143.3	0281.4	17 198.9	0376.6
50	907 813.7	0144.5	907 875.3	0239.8	907 937.0	0335.0	907 998.9	0430.4
55	898 595.2	0203.5	898 662.9	0298.8	898 730.8	0394.2	898 798.8	0489.7
82 98 00	889 376.6	90 268.0	889 450.5	100 363.5	889 524.6	110 459.1	889 598.9	120 554.8
05	80 158.2	0338.2	80 238.2	0433.9	80 318.5	0529.6	80 399.0	0625.4
10	70 939.8	0414.0	71 026.0	0509.9	71 112.4	0605.7	71 199.1	0701.8
15	61 721.5	0495.4	61 813.9	0591.4	61 906.4	0687.5	61 999.3	0783.8
20	52 503.2	0582.4	52 601.7	0678.7	52 700.4	0775.0	52 799.5	0871.4
25	43 285.0	0675.0	43 389.6	0771.5	43 494.5	0868.1	43 599.8	0964.7
82 98 30	834 066.8	90 773.2	834 177.6	100 870.0	834 288.7	110 966.8	834 400.2	121 063.7

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 25° 00′.		Lat. 25° 05′.		Lat. 25° 10′.		Lat. 25° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 165 599.8	121 063.7	1 165 487.8	131 160.8	1 165 375.6	141 258.0	1 165 263.0	151 355.3
95 35	56 400.2	0964.7	56 294.4	1061.6	56 188.4	1158.5	56 082.0	1255.6
40	47 200.5	0871.4	47 100.9	0968.1	47 001.2	1064.8	46 901.0	1161.6
45	38 000.7	0783.8	37 907.4	0880.2	37 813.9	0976.7	37 720.0	1073.3
50	28 800.9	0701.8	28 713.8	0798.0	28 626.6	0894.3	28 538.9	0990.7
55	19 601.0	0625.4	19 520.2	0721.5	19 439.2	0817.6	19 357.8	0913.8
80 00	1 110 401.1	120 554.8	1 110 326.5	130 650.7	1 110 251.7	140 746.5	1 110 176.6	150 842.6
96 05	1 101 201.2	0489.7	1 101 132.6	0585.5	1 101 064.1	0681.2	1 100 995.3	0777.1
10	1 092 001.1	0430.4	1 091 938.8	0525.9	1 091 876.5	0621.5	1 091 814.0	0717.3
15	82 801.1	0376.6	82 745.0	0472.1	82 688.9	0567.5	82 632.6	0663.2
20	73 601.0	0328.6	73 551.2	0423.9	73 501.4	0519.2	73 451.3	0614.8
25	64 401.0	0286.1	64 357.4	0381.4	64 313.8	0476.6	64 270.0	0572.0
30	55 200.9	0249.4	55 163.6	0344.5	55 126.2	0439.7	55 088.7	0535.0
35	46 000.8	0218.3	45 969.8	0313.4	45 938.5	0408.4	45 907.3	0503.7
40	36 800.6	0192.8	36 775.8	0287.9	36 750.8	0382.9	36 725.8	0478.1
45	27 600.5	0173.0	27 581.9	0268.0	27 563.1	0363.0	27 544.4	0458.1
50	18 400.3	0158.9	18 387.9	0253.8	18 375.4	0348.8	18 362.9	0443.9
55	09 200.2	0150.4	09 194.0	0245.3	09 187.7	0340.2	09 181.5	0435.3
81 00	1 000 000.0	120 147.6	1 000 000.0	130 242.5	1 000 000.0	140 337.4	1 000 000.0	150432.5
97 05	990 799.8	0150.4	990 806.0	0245.3	990 812.3	0340.2	990 818.5	0435.3
10	81 599.7	0158.9	81 612.1	0253.8	81 624.6	0348.8	81 637.1	0443.9
15	72 399.5	0173.0	72 418.1	0268.0	72 436.9	0363.0	72 455.6	0458.1
20	63 199.4	0192.8	63 224.2	0287.9	63 249.2	0382.9	63 274.2	0478.1
25	53 999.2	0218.3	54 030.2	0313.4	54 061.5	0408.4	54 092.7	0503.7
30	44 799.1	0249.4	44 836.4	0344.5	44 873.8	0439.7	44 911.3	0535.0
35	35 599.0	0286.1	35 642.6	0381.4	35 686.2	0476.6	35 730.0	0572.0
40	26 399.0	0328.6	26 448.8	0423.9	26 498.6	0519.2	26 548.7	0614.8
45	17 198.9	0376.6	17 255.0	0472.1	17 311.1	0567.5	17 367.4	0663.2
50	907 998.9	0430.4	908 061.2	0525.9	908 123.5	0621.5	908 186.0	0717.3
55	898 798.8	0489.7	898 867.4	0585.5	898 935.9	0681.2	899 004.7	0777.1
82 00	889 598.9	120 554.8	889 673.5	130 650.7	889 748.3	140 746.5	889 823.4	150 842.6
98 05	80 399.0	0625.4	80 479.8	0721.5	80 560.8	0817.6	80 642.2	0913.8
10	71 199.1	0701.8	71 286.2	0798.0	71 373.4	0894.3	71 461.1	0990.7
15	61 999.3	0783.8	62 092.6	0880.2	62 186.1	0976.7	62 280.0	1073.3
20	52 799.5	0871.4	52 899.1	0968.1	52 998.8	1064.8	53 099.0	1161.6
25	43 599.8	0964.7	43 705.6	1061.6	43 811.6	1158.5	43 918.0	1255.6
82 30	834 400.2	121 063.7	834 512.2	131 160.8	834 624.4	141 258.0	834 737.0	151 355.3
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Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 25° 15′.		Lat. 25° 20′.		Lat. 25° 25′.		Lat. 25° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 95 30	1 165 263.0	151 355.3	1 165 150.1	161 452.6	1 165 036.9	171 550.0	1 164 923.2	181 647.6
35	56 082.0	1255.6	55 975.5	1352.7	55 868.5	1449.9	55 761.1	1547.2
40	46 901.0	1161.6	46 800.8	1258.5	46 700.1	1355.4	46 599.0	1452.5
45	37 720.0	1073.3	37 626.0	1170.0	37 531.6	1266.7	37 436.8	1363.6
50	28 538.9	0990.7	28 451.2	1087.2	28 363.0	1183.7	28 274.7	1280.4
55	19 357.8	0913.8	19 276.3	1010.1	19 194.3	1106.4	19 112.4	1203.0
80 96 00	1 110 176.6	150 842.6	1 110 101.3	160 938.7	1 110 025.6	171 034.9	1 109 950.1	181 131.3
05	1 100 995.3	0777.1	1 100 926.3	0873.1	1 100 856.9	0969.1	1 100 787.6	1065.3
10	1 091 814.0	0717.3	1 091 751.2	0813.1	1 091 688.2	0909.0	1 091 625.2	1005.0
15	82 632.6	0663.2	82 576.2	0758.9	82 519.4	0854.6	82 462.8	0950.5
20	73 451.3	0614.8	73 401.2	0710.3	73 350.7	0805.9	73 300.3	0901.8
25	64 270.0	0572.0	64 226.1	0667.5	64 182.0	0763.0	64 137.8	0858.8
30	55 088.7	0535.0	55 051.1	0630.4	55 013.3	0725.8	54 975.4	0821.5
35	45 907.3	0503.7	45 875.9	0599.0	45 844.4	0694.3	45 812.8	0789.9
40	36 725.8	0478.1	36 700.7	0573.3	36 675.5	0668.6	36 650.3	0764.1
45	27 544.4	0458.1	27 525.5	0553.3	27 506.7	0648.5	27 487.7	0744.0
50	18 362.9	0443.9	18 350.4	0539.0	18 337.8	0634.2	18 325.1	0729.7
55	09 181.5	0435.3	09 175.2	0530.5	09 168.9	0625.7	09 162.6	0721.1
81 97 00	1 000 000.0	150 432.5	1 000 000.0	160 527.6	1 000 000.0	170 622.8	1 000 000.0	180 718.2
05	990 818.5	0435.3	990 824.8	0530.5	990 831.1	0625.7	990 837.4	0721.1
10	81 637.1	0443.9	81 649.6	0539.0	81 662.2	0634.2	81 674.9	0729.7
15	72 455.6	0458.1	72 474.5	0553.3	72 493.3	0648.5	72 512.3	0744.0
20	63 274.2	0478.1	63 299.3	0573.3	63 324.5	0668.6	63 349.7	0764.1
25	54 092.7	0503.7	54 124.1	0599.0	54 155.6	0694.3	54 187.2	0789.9
30	44 911.3	0535.0	44 948.9	0630.4	44 986.7	0725.8	45 024.6	0821.5
35	35 730.0	0572.0	35 773.9	0667.5	35 818.0	0763.0	35 862.2	0858.8
40	26 548.7	0614.8	26 598.7	0710.3	26 649.3	0805.9	26 699.7	0901.8
45	17 367.4	0663.2	17 423.8	0758.9	17 480.6	0854.6	17 537.2	0950.5
50	908 186.0	0717.3	908 248.8	0813.1	908 311.8	0909.0	908 374.8	1005.0
55	899 004.7	0777.1	899 073.7	0873.1	899 143.1	0969.1	899 212.4	1065.3
82 98 00	889 823.4	150 842.6	889 898.7	160 938.7	889 974.4	171 034.9	890 049.9	181 131.3
05	80 642.2	0913.8	80 723.7	1010.1	80 805.7	1106.4	80 887.6	1203.0
10	71 461.1	0990.7	71 548.8	1087.2	71 637.0	1183.7	71 725.3	1280.4
15	62 280.0	1073.3	62 374.0	1170.0	62 468.4	1266.7	62 563.2	1363.6
20	53 099.0	1161.6	53 199.2	1258.5	53 299.9	1355.4	53 401.0	1452.5
25	43 918.0	1255.6	44 024.5	1352.7	44 131.5	1449.9	44 238.9	1547.2
82 98 30	834 737.0	151 355.3	834 849.9	161 452.6	834 963.1	171 550.0	835 076.8	181 647.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 25° 30′.		Lat. 25° 35′.		Lat. 25° 40′.		Lat. 25° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 95	30	1 164 923.2	181 647.6	1 164 809.2	191 745.3	1 164 694.9	201 843.0	1 164 580.2	211 941.0
	35	55 761.1	1547.2	55 653.4	1644.6	55 545.5	1742.2	55 437.2	1839.9
	40	46 599.0	1452.5	46 497.7	1549.7	46 396.1	1647.1	46 294.2	1744.6
	45	37 436.8	1363.6	37 341.8	1460.6	37 246.6	1557.7	37 151.1	1655.0
	50	28 274.7	1280.4	28 186.0	1377.2	28 097.1	1474.2	28 007.9	1571.3
	55	19 112.4	1203.0	19 030.0	1299.6	18 947.5	1396.3	18 864.7	1493.3
80 96	00	1 109 950.1	181 131.3	1 109 874.1	191 227.7	1 109 797.9	201 324.3	1 109 721.5	211 421.1
	05	1 100 787.6	1065.3	1 100 718.0	1161.6	1 100 648.1	1258.0	1 100 578.1	1354.6
	10	1 091 625.2	1005.0	1 091 561.9	1101.2	1 091 498.4	1197.5	1 091 434.7	1294.0
	15	82 462.8	0950.5	82 405.7	1046.6	82 348.6	1142.7	82 291.3	1239.1
	20	73 300.3	0901.8	73 249.6	0997.7	73 198.8	1093.7	73 147.9	1190.0
	25	64 137.8	0858.8	64 093.5	0954.6	64 049.1	1050.5	64 004.5	1146.6
	30	54 975.4	0821.5	54 937.4	0917.2	54 899.3	1013.0	54 861.1	1109.1
	35	45 812.8	0789.9	45 781.2	0885.6	45 749.4	0981.3	45 717.6	1077.3
	40	36 650.3	0764.1	36 624.9	0859.7	36 599.5	0955.4	36 574.1	1051.3
	45	27 487.7	0744.0	27 468.7	0839.6	27 449.7	0935.2	27 430.5	1031.1
	50	18 325.1	0729.7	18 312.5	0825.2	18 299.8	0920.8	18 287.0	1016.6
	55	09 162.6	0721.1	09 156.2	0816.6	09 149.9	0912.2	09 143.5	1008.0
81 97	00	1 000 000.0	180 718.2	1 000 000.0	190 813.7	1 000 000.0	200 909.3	1 000 000.0	211 005.1
	05	990 837.4	0721.1	990 843.8	0816.6	990 850.1	0912.2	990 856.5	1008.0
	10	81 674.9	0729.7	81 687.5	0825.2	81 700.2	0920.8	81 713.0	1016.6
	15	72 512.3	0744.0	72 531.3	0839.6	72 550.3	0935.2	72 569.5	1031.1
	20	63 349.7	0764.1	63 375.1	0859.7	63 400.5	0955.4	63 425.9	1051.3
	25	54 187.2	0789.9	54 218.8	0885.6	54 250.6	0981.3	54 282.4	1077.3
	30	45 024.6	0821.5	45 062.6	0917.2	45 100.7	1013.0	45 138.9	1109.1
	35	35 862.2	0858.8	35 906.5	0954.6	35 950.9	1050.5	35 995.5	1146.6
	40	26 699.7	0901.8	26 750.4	0997.7	26 801.2	1093.7	26 852.1	1190.0
	45	17 537.2	0950.5	17 594.3	1046.6	17 651.4	1142.7	17 708.7	1239.1
	50	908 374.8	1005.0	908 438.1	1101.2	908 501.6	1197.5	908 565.3	1294.0
	55	899 212.4	1065.3	899 282.0	1161.6	899 351.9	1258.0	899 421.9	1354.6
82 98	00	890 049.9	181 131.3	890 125.9	191 227.7	890 202.1	201 324.3	890 278.5	211 421.1
	05	80 887.6	1203.0	80 970.0	1299.6	81 052.5	1396.3	81 135.3	1493.3
	10	71 725.3	1280.4	71 814.0	1377.2	71 902.9	1474.2	71 992.1	1571.3
	15	62 563.2	1363.6	62 658.2	1460.6	62 753.4	1557.7	62 848.9	1655.0
	20	53 401.0	1452.5	53 502.3	1549.7	53 603.9	1647.1	53 705.8	1744.6
	25	44 238.9	1547.2	44 346.6	1644.6	44 454.5	1742.2	44 562.8	1839.9
	30	35 076.8	1647.6	35 190.8	1745.3	35 305.1	1843.0	35 419.8	1941.0
	35	25 914.8	1753.7	26 035.2	1851.6	26 155.8	1949.7	26 276.9	2047.9
	40	16 752.9	1865.6	16 879.6	1963.8	17 006.6	2062.1	17 134.0	2160.6
	45	807 591.1	1983.2	807 724.2	2081.7	807 857.5	2180.2	807 991.2	2279.0
	50	798 429.3	2106.5	798 568.7	2205.3	798 708.4	2304.2	798 848.5	2403.2
	55	89 267.6	2235.6	89 413.4	2334.7	89 559.4	2433.8	89 705.9	2533.2
83 99	00	780 106.0	182 370.4	780 258.0	192 469.8	780 410.5	202 569.3	780 563.3	212 669.0
	05	70 944.5	2511.0	71 102.8	2610.7	71 261.6	2710.5	71 420.9	2810.5
	10	61 783.1	2657.3	61 947.8	2757.3	62 112.9	2857.5	62 278.6	2957.8
	15	52 621.8	2809.3	52 792.8	2909.7	52 964.3	3010.2	53 136.3	3110.9
	20	43 460.5	2967.1	43 637.9	3067.9	43 815.8	3168.7	43 994.1	3269.8
	25	34 299.4	3130.6	34 483.1	3231.8	34 667.3	3333.0	34 852.0	3434.5
83 99	30	725 138.3	183 299.8	725 328.4	193 401.4	725 519.0	203 503.0	725 710.1	213 604.9

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 25° 45′.		Lat. 25° 50′.		Lat. 25° 55′.		Lat. 26° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 95 30	1 164 580.2	211 941.0	1 164 465.2	222 039.0	1 164 349.8	232 137.1	1 164 234.1	242 235.4
35	55 437.2	1839.9	55 328.6	1937.7	55 219.7	2035.6	55 110.4	2133.6
40	46 294.2	1744.6	46 191.9	1842.1	46 089.4	1939.8	45 986.6	2037.6
45	37 151.1	1655.0	37 055.2	1752.3	36 959.1	1849.8	36 862.7	1947.4
50	28 007.9	1571.3	27 918.5	1668.4	27 828.7	1765.7	27 738.8	1863.1
55	18 864.7	1493.3	18 781.7	1590.2	18 698.3	1687.3	18 614.8	1784.6
80 96 00	1 109 721.5	211 421.1	1 109 644.8	221 517.8	1 109 567.9	231 614.8	1 109 490.7	241 711.8
05	1 100 578.1	1354.6	1 100 507.8	1451.2	1 100 437.3	1548.0	1 100 366.6	1644.9
10	1 091 434.7	1294.0	1 091 370.8	1390.4	1 091 306.7	1487.1	1 091 242.4	1583.9
15	82 291.3	1239.1	82 233.8	1335.4	82 176.1	1432.0	82 118.3	1528.6
20	73 147.9	1190.0	73 096.8	1286.2	73 045.6	1382.6	72 994.1	1479.1
25	64 004.5	1146.6	63 959.8	1242.8	63 915.0	1339.1	63 870.0	1435.5
30	54 861.1	1109.1	54 822.8	1205.1	54 784.3	1301.4	54 745.8	1397.7
35	45 717.6	1077.3	45 685.7	1173.3	45 653.6	1269.4	45 621.5	1365.7
40	36 574.1	1051.3	36 548.5	1147.2	36 522.9	1243.3	36 497.2	1339.5
45	27 430.5	1031.1	27 411.4	1126.9	27 392.1	1223.0	27 372.9	1319.2
50	18 287.0	1016.6	18 274.3	1112.5	18 261.4	1208.5	18 248.6	1304.6
55	09 143.5	1008.0	09 137.1	1103.8	09 130.7	1199.8	09 124.3	1295.9
81 97 00	1 000 000.0	211 005.1	1 000 000.0	221 100.9	1 000 000.0	231 196.9	1 000 000.0	241 293.0
05	990 856.5	1008.0	990 862.9	1103.8	990 869.3	1199.8	990 875.7	1295.9
10	81 713.0	1016.6	81 725.7	1112.5	81 738.6	1208.5	81 751.4	1304.6
15	72 569.5	1031.1	72 588.6	1126.9	72 607.9	1223.0	72 627.1	1319.2
20	63 425.9	1051.3	63 451.5	1147.2	63 477.1	1243.3	63 502.8	1339.5
25	54 282.4	1077.3	54 314.3	1173.3	54 346.4	1269.4	54 378.5	1365.7
30	45 138.9	1109.1	45 177.2	1205.1	45 215.7	1301.4	45 254.2	1397.7
35	35 995.5	1146.6	36 040.2	1242.8	36 085.0	1339.1	36 130.0	1435.5
40	26 852.1	1190.0	26 903.2	1286.2	26 954.4	1382.6	27 005.9	1479.1
45	17 708.7	1239.1	17 766.2	1335.4	17 823.9	1432.0	17 881.7	1528.6
50	908 565.3	1294.0	908 629.2	1390.4	908 693.3	1487.1	908 757.6	1583.9
55	899 421.9	1354.6	899 492.2	1451.2	899 562.7	1548.0	899 633.4	1644.9
82 98 00	890 278.5	211 421.1	890 355.2	221 517.8	890 432.1	231 614.8	890 509.3	241 711.8
05	81 135.3	1493.3	81 218.3	1590.2	81 301.7	1687.3	81 385.2	1784.6
10	71 992.1	1571.3	72 081.5	1668.4	72 171.3	1765.7	72 261.2	1863.1
15	62 848.9	1655.0	62 944.8	1752.3	63 040.9	1849.8	63 137.3	1947.4
20	53 705.8	1744.6	53 808.1	1842.1	53 910.6	1939.8	54 013.4	2037.6
25	44 562.8	1839.9	44 671.4	1937.7	44 780.4	2035.6	44 889.6	2133.6
30	35 419.8	1941.0	35 534.8	2039.0	35 650.2	2137.1	35 765.9	2235.4
35	26 276.9	2047.9	26 398.3	2146.1	26 520.1	2244.5	26 642.2	2343.0
40	17 134.0	2160.6	17 261.8	2259.0	17 390.0	2357.7	17 518.6	2456.4
45	807 991.2	2279.0	808 125.5	2377.7	808 260.0	2476.7	808 394.9	2575.7
50	798 848.5	2403.2	798 989.2	2502.2	799 130.1	2601.5	799 271.6	2700.8
55	89 705.9	2533.2	89 853.0	2632.5	90 000.3	2732.1	90 148.2	2831.7
83 99 00	780 563.3	212 669.0	780 716.8	222 768.6	780 870.5	232 868.4	781 024.9	242 968.4
05	71 420.9	2810.5	71 580.7	2910.5	71 740.9	3010.6	71 901.7	3110.9
10	62 278.6	2957.8	62 444.8	3058.2	62 611.4	3158.6	62 778.6	3259.2
15	53 136.3	3110.9	53 308.9	3211.6	53 482.0	3312.5	53 655.6	3413.4
20	43 994.1	3269.8	44 173.1	3370.9	44 352.6	3472.1	44 532.6	3573.4
25	34 852.0	3434.5	35 037.4	3535.9	35 223.4	3637.5	35 409.8	3739.2
83 99 30	725 710.1	213 604.9	725 901.9	223 706.7	726 094.3	233 808.7	726 287.1	243 910.8

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 26° 00′.		Lat. 26° 05′.		Lat. 26° 10′.		Lat. 26° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 164 234.1	242 235.4	1 164 118.1	252 333.8	1 164 001.6	262 432.3	1 163 884.9	272 530.8
95 35	55 110.4	2133.6	55 000.8	2231.7	54 890.8	2330.0	54 780.5	2428.3
40	45 986.6	2037.6	45 883.4	2135.5	45 779.9	2233.6	45 676.1	2331.7
45	36 862.7	1947.4	36 766.0	2045.1	36 668.9	2143.0	36 571.7	2240.9
50	27 738.8	1863.1	27 648.5	1960.6	27 557.9	2058.3	27 467.2	2156.0
55	18 614.8	1784.6	18 531.0	1881.9	18 446.9	1979.4	18 362.6	2076.9
80 00	1 109 490.7	241 711.8	1 109 413.4	251 809.0	1 109 335.8	261 906.3	1 109 258.0	272 003.7
96 05	1 100 366.6	1644.9	1 100 295.7	1741.9	1 100 224.5	1839.1	1 100 153.2	1936.3
10	1 091 242.4	1583.9	1 091 178.0	1680.7	1 091 113.3	1777.8	1 091 048.5	1874.8
15	82 118.3	1528.6	82 060.2	1625.3	82 002.0	1722.3	81 943.7	1819.2
20	72 994.1	1479.1	72 942.5	1575.8	72 890.8	1672.6	72 838.9	1769.4
25	63 870.0	1435.5	63 824.8	1532.0	63 779.5	1628.8	63 734.2	1725.5
30	54 745.8	1397.7	54 707.1	1494.2	54 668.3	1590.8	54 629.4	1687.4
35	45 621.5	1365.7	45 589.3	1462.1	45 556.9	1558.6	45 524.5	1655.2
40	36 497.2	1339.5	36 471.4	1435.8	36 445.5	1532.3	36 419.6	1628.8
45	27 372.9	1319.2	27 353.6	1415.4	27 334.1	1511.9	27 314.7	1608.3
50	18 248.6	1304.6	18 235.7	1400.9	18 222.8	1497.3	18 209.8	1593.7
55	09 124.3	1295.9	09 117.9	1392.1	09 111.4	1488.5	09 104.9	1584.9
81 00	1 000 000.0	241 293.0	1 000 000.0	251 389.2	1 000 000.0	261 485.6	1 000 000.0	271 582.0
97 05	990 875.7	1295.9	990 882.1	1392.1	990 888.6	1488.5	990 895.1	1584.9
10	81 751.4	1304.6	81 764.3	1400.9	81 777.2	1497.3	81 790.2	1593.7
15	72 627.1	1319.2	72 646.4	1415.4	72 665.9	1511.9	72 685.3	1608.3
20	63 502.8	1339.5	63 528.6	1435.8	63 554.4	1532.3	63 580.4	1628.8
25	54 378.5	1365.7	54 410.7	1462.1	54 443.1	1558.6	54 475.5	1655.2
30	45 254.2	1397.7	45 292.9	1494.2	45 331.7	1590.8	45 370.6	1687.4
35	36 130.0	1435.5	36 175.2	1532.0	36 220.5	1628.8	36 265.8	1725.5
40	27 005.9	1479.1	27 057.4	1575.8	27 109.2	1672.6	27 161.1	1769.4
45	17 881.7	1528.6	17 939.8	1625.3	17 998.0	1722.3	18 056.3	1819.2
50	908 757.6	1583.9	908 822.0	1680.7	908 886.7	1777.8	908 951.5	1874.8
55	899 633.4	1644.9	899 704.3	1741.9	899 775.4	1839.1	899 846.8	1936.3
82 00	890 509.3	241 711.8	890 586.6	251 809.0	890 664.2	261 906.3	890 742.0	272 003.7
98 05	81 385.2	1784.6	81 469.0	1881.9	81 553.1	1979.4	81 637.4	2076.9
10	72 261.2	1863.1	72 351.5	1960.6	72 442.1	2058.3	72 532.8	2156.0
15	63 137.3	1947.4	63 234.0	2045.1	63 331.1	2143.0	63 428.3	2240.9
20	54 013.4	2037.6	54 116.6	2135.5	54 220.1	2233.6	54 323.9	2331.7
25	44 889.6	2133.6	44 999.2	2231.7	45 109.2	2330.0	45 219.5	2428.3
30	35 765.9	2235.4	35 881.9	2333.8	35 998.4	2432.3	36 115.1	2530.8
35	26 642.2	2343.0	26 764.7	2441.6	26 887.6	2540.4	27 010.8	2639.1
40	17 518.6	2456.4	17 647.5	2555.3	17 776.9	2654.3	17 906.6	2753.3
45	808 394.9	2575.7	808 530.4	2674.8	808 666.3	2774.1	808 802.5	2873.4
50	799 271.6	2700.8	799 413.4	2800.2	799 555.8	2899.8	799 698.4	2999.3
55	90 148.2	2831.7	90 296.5	2931.4	90 445.4	3031.2	90 594.5	3131.1
83 00	781 024.9	242 968.4	781 179.6	253 068.4	781 335.0	263 168.6	781 490.6	273 268.7
99 05	71 901.7	3110.9	72 062.9	3211.2	72 224.7	3311.7	72 386.8	3412.2
10	62 778.6	3259.2	62 946.2	3359.9	63 114.5	3460.8	63 283.1	3561.6
15	53 655.6	3413.4	53 829.7	3514.4	54 004.4	3615.6	54 179.5	3716.8
20	44 532.6	3573.4	44 713.2	3674.8	44 894.4	3776.3	45 076.0	3877.9
25	35 409.8	3739.2	35 596.9	3840.9	35 784.6	3942.9	35 972.6	4044.8
30	26 287.1	3910.8	26 480.6	4013.0	26 674.8	4115.2	26 869.4	4217.5
35	17 164.6	4088.2	17 364.5	4190.8	17 565.1	4293.5	17 766.3	4396.2
40	708 042.1	4271.4	708 248.5	4374.4	708 455.6	4477.6	708 663.2	4580.7
45	698 919.7	4460.5	699 132.6	4563.9	699 346.2	4667.5	699 560.3	4771.0
50	89 797.4	4655.4	90 016.8	4759.3	90 236.9	4863.2	90 457.4	4967.2
55	80 675.3	4856.1	80 901.1	4960.4	81 127.7	5064.8	81 354.7	5169.3
84 00	671 553.4	245 062.6	671 785.5	255 167.4	672 018.6	265 272.3	672 252.1	275 377.2

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 26° 15′.		Lat. 26° 20′.		Lat. 26° 25′.		Lat. 26° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 95 30	1 163 884.9	272 530.8	1 163 767.8	282 629.5	1 163 650.4	292 728.3	1 163 532.6	302 827.2
35	54 780.5	2428.3	54 669.9	2526.8	54 559.1	2625.4	54 447.8	2724.0
40	45 676.1	2331.7	45 572.0	2429.9	45 467.7	2528.3	45 363.0	2626.8
45	36 571.7	2240.9	36 474.1	2339.0	36 376.2	2437.1	36 278.1	2535.4
50	27 467.2	2156.0	27 376.1	2253.9	27 284.7	2351.8	27 193.1	2449.9
55	18 362.6	2076.9	18 278.0	2174.6	18 193.2	2272.4	18 108.1	2370.3
80 96 00	1 109 258.0	272 003.7	1 109 179.9	282 101.2	1 109 101.6	292 198.9	1 109 023.1	302 296.6
05	1 100 153.2	1936.3	1 100 081.7	2033.7	1 100 009.8	2131.2	1 099 937.9	2228.8
10	1 091 048.5	1874.8	1 090 983.4	1972.1	1 090 918.1	2069.4	90 852.7	2166.9
15	81 943.7	1819.2	81 885.2	1916.3	81 826.4	2013.6	81 767.5	2110.9
20	72 838.9	1769.4	72 786.9	1866.4	72 734.7	1963.6	72 682.3	2060.8
25	63 734.2	1725.5	63 688.7	1822.4	63 642.9	1919.4	63 597.1	2016.5
30	54 629.4	1687.4	54 590.4	1784.3	54 551.2	1881.2	54 511.9	1978.2
35	45 524.5	1655.2	45 492.0	1752.0	45 459.3	1848.8	45 426.6	1945.8
40	36 419.6	1628.8	36 393.6	1725.6	36 367.5	1822.4	36 341.3	1919.3
45	27 314.7	1608.3	27 295.2	1705.0	27 275.6	1801.8	27 255.9	1898.6
50	18 209.8	1593.7	18 196.8	1690.3	18 183.7	1787.1	18 170.6	1883.9
55	09 104.9	1584.9	09 098.4	1681.5	09 091.9	1778.2	09 085.3	1875.0
81 97 00	1 000 000.0	271 582.0	1 000 000.0	281 678.6	1 000 000.0	291 775.3	1 000 000.0	301 872.1
05	990 895.1	1584.9	990 901.6	1681.5	990 908.1	1778.2	990 914.7	1875.0
10	81 790.2	1593.7	81 803.2	1690.3	81 816.3	1787.1	81 829.4	1883.9
15	72 685.3	1608.3	72 704.8	1705.0	72 724.4	1801.8	72 744.1	1898.6
20	63 580.4	1628.8	63 606.4	1725.6	63 632.5	1822.4	63 658.7	1919.3
25	54 475.5	1655.2	54 508.0	1752.0	54 540.7	1848.8	54 573.4	1945.8
30	45 370.6	1687.4	45 409.6	1784.3	45 448.8	1881.2	45 488.1	1978.2
35	36 265.8	1725.5	36 311.3	1822.4	36 357.1	1919.4	36 402.9	2016.5
40	27 161.1	1769.4	27 213.1	1866.4	27 265.3	1963.6	27 317.7	2060.8
45	18 056.3	1819.2	18 114.8	1916.3	18 173.6	2013.6	18 232.5	2110.9
50	908 951.5	1874.8	909 016.6	1972.1	909 081.9	2069.4	09 147.3	2166.9
55	899 846.8	1936.3	899 918.3	2033.7	899 990.2	2131.2	900 062.1	2228.8
82 98 00	890 742.0	272 003.7	890 820.1	282 101.2	890 898.4	292 198.9	890 976.9	302 296.6
05	81 637.4	2076.9	81 722.0	2174.6	81 806.8	2272.4	81 891.9	2370.3
10	72 532.8	2156.0	72 623.9	2253.9	72 715.3	2351.8	72 806.9	2449.9
15	63 428.3	2240.9	63 525.9	2339.0	63 623.8	2437.1	63 721.9	2535.4
20	54 323.9	2331.7	54 428.0	2429.9	54 532.3	2528.3	54 637.0	2626.8
25	45 219.5	2428.3	45 330.1	2526.8	45 440.9	2625.4	45 552.2	2724.0
30	36 115.1	2530.8	36 232.2	2629.5	36 349.6	2728.3	36 467.4	2827.2
35	27 010.8	2639.1	27 134.4	2738.1	27 258.4	2837.2	27 382.8	2936.3
40	17 906.6	2753.3	18 036.7	2852.6	18 167.2	2951.9	18 298.2	3051.3
45	808 802.5	2873.4	808 939.1	2972.9	809 076.2	3072.5	09 213.7	3172.1
50	799 698.4	2999.3	799 841.6	3099.1	799 985.2	3199.0	800 129.2	3298.9
55	90 594.5	3131.1	90 744.2	3231.2	90 894.3	3331.3	791 044.8	3431.5
83 99 00	781 490.6	273 268.7	781 646.8	283 369.2	781 803.4	293 469.6	781 960.5	303 570.1
05	72 386.8	3412.2	72 549.5	3512.9	72 712.6	3613.7	72 876.3	3714.5
10	63 283.1	3561.6	63 452.3	3662.6	63 622.0	3763.7	63 792.2	3864.9
15	54 179.5	3716.8	54 355.2	3818.2	54 531.4	3919.6	54 708.1	4021.1
20	45 076.0	3877.9	45 258.2	3979.6	45 441.0	4081.4	45 624.2	4183.3
25	35 972.6	4044.8	36 161.4	4146.9	36 350.6	4249.0	36 540.4	4351.3
30	26 869.4	4217.5	27 064.6	4320.1	27 260.4	4422.6	27 456.8	4525.2
35	17 766.3	4396.2	17 968.0	4499.1	18 170.3	4602.0	18 373.2	4705.0
40	708 663.2	4580.7	708 871.5	4684.0	709 080.3	4787.3	09 289.8	4890.8
45	699 560.3	4771.0	699 775.0	4874.8	699 990.4	4978.5	700 206.5	5082.4
50	90 457.4	4967.2	90 678.6	5071.4	90 900.6	5175.6	691 123.3	5279.9
55	81 354.7	5169.3	81 582.5	5273.9	81 811.0	5378.6	82 040.2	5483.3
84 100 00	672 252.1	275 377.2	672 486.5	285 482.3	672 721.5	295 587.4	672 957.3	305 692.6

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 26° 30′.		Lat. 26° 35′.		Lat. 26° 40′.		Lat. 26° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 163 532.6	302 827.2	1 163 414.4	312 926.3	1 163 296.0	323 025.4	1 163 177.1	333 124.7
95 35	54 447.8	2724.0	54 336.2	2822.9	54 224.4	2921.8	54 112.1	3020.8
40	45 363.0	2626.8	45 257.9	2725.4	45 152.7	2824.1	45 047.0	2922.9
45	36 278.1	2535.4	36 179.6	2633.8	36 081.0	2732.3	35 981.9	2830.9
50	27 193.1	2449.9	27 101.2	2548.2	27 009.2	2646.4	26 916.7	2744.9
55	18 108.1	2370.3	18 022.8	2468.4	17 937.3	2566.5	17 851.4	2664.7
80 00	1 109 023.1	302 296.6	1 108 944.3	312 394.5	1 108 865.4	322 492.4	1 108 786.1	332 590.6
96 05	1 099 937.9	2228.8	1 099 865.7	2326.6	1 099 793.4	2424.3	1 099 721.0	2522.3
10	90 852.7	2166.9	90 787.1	2264.5	90 721.3	2362.2	90 655.8	2460.0
15	81 767.5	2110.9	81 708.4	2208.4	81 649.3	2305.9	81 590.2	2403.6
20	72 682.3	2060.8	72 629.8	2158.2	72 577.2	2255.6	72 524.6	2353.2
25	63 597.1	2016.5	63 551.2	2113.9	63 505.2	2211.2	63 459.1	2308.7
30	54 511.9	1978.2	54 472.6	2075.5	54 433.1	2172.7	54 393.5	2270.1
35	45 426.6	1945.8	45 393.6	2043.0	45 360.9	2140.1	45 327.9	2237.5
40	36 341.3	1919.3	36 314.8	2016.4	36 288.7	2113.5	36 262.3	2210.8
45	27 255.9	1898.6	27 236.1	1995.7	27 216.5	2092.7	27 196.7	2190.0
50	18 170.6	1883.9	18 157.4	1980.9	18 144.4	2077.9	18 131.2	2175.2
55	09 085.3	1875.0	09 078.7	1972.1	09 072.2	2069.1	09 065.6	2166.3
81 00	1 000 000.0	301 872.1	1 000 000.0	311 969.1	1 000 000.0	322 066.1	1 000 000.0	332 163.3
97 05	990 914.7	1875.0	990 921.3	1972.1	990 927.8	2069.1	990 934.4	2166.3
10	81 829.4	1883.9	81 842.6	1980.9	81 855.6	2077.9	81 868.8	2175.2
15	72 744.1	1898.6	72 763.9	1995.7	72 783.5	2092.7	72 803.3	2190.0
20	63 658.7	1919.3	63 685.2	2016.4	63 711.3	2113.5	63 737.7	2210.8
25	54 573.4	1945.8	54 606.4	2043.0	54 639.1	2140.1	54 672.1	2237.5
30	45 488.1	1978.2	45 527.4	2075.5	45 566.9	2172.7	45 606.5	2270.1
35	36 402.9	2016.5	36 448.8	2113.9	36 494.8	2211.2	36 540.9	2308.7
40	27 317.7	2060.8	27 370.2	2158.2	27 422.8	2255.6	27 475.4	2353.2
45	18 232.5	2110.9	18 291.6	2208.4	18 350.7	2305.9	18 409.8	2403.6
50	09 147.3	2166.9	09 212.9	2264.5	09 278.7	2362.2	09 344.2	2460.0
55	900 062.1	2228.8	900 134.3	2326.6	900 206.6	2424.3	900 279.0	2522.3
82 00	890 976.9	302 296.6	891 055.7	312 394.5	891 134.6	322 492.4	891 213.9	332 590.6
98 05	81 891.9	2370.3	81 977.2	2468.4	82 062.7	2566.5	82 148.6	2664.7
10	72 806.9	2449.9	72 898.8	2548.2	72 990.8	2646.4	73 083.3	2744.9
15	63 721.9	2535.4	63 820.4	2633.8	63 919.0	2732.3	64 018.1	2830.9
20	54 637.0	2626.8	54 742.1	2725.4	54 847.3	2824.1	54 953.0	2922.9
25	45 552.2	2724.0	45 663.8	2822.9	45 775.6	2921.8	45 887.9	3020.8
30	36 467.4	2827.2	36 585.6	2926.3	36 704.0	3025.4	36 822.9	3124.7
35	27 382.8	2936.3	27 507.5	3035.6	27 632.5	3134.9	27 758.0	3234.5
40	18 298.2	3051.3	18 429.4	3150.9	18 561.0	3250.4	18 693.1	3350.2
45	09 213.7	3172.1	09 351.4	3272.0	09 489.6	3371.8	09 628.3	3471.8
50	800 129.2	3298.9	800 273.5	3399.0	800 418.3	3499.1	800 563.6	3599.4
55	791 044.8	3431.5	791 195.7	3532.0	791 347.0	3632.4	791 499.0	3732.9
83 00	781 960.5	303 570.1	782 118.0	313 670.8	782 275.9	323 771.5	782 434.5	333 872.4
99 05	72 876.3	3714.5	73 040.4	3815.6	73 204.9	3916.6	73 370.1	4017.8
10	63 792.2	3864.9	63 962.9	3966.3	64 134.0	4067.6	64 305.7	4169.1
15	54 708.1	4021.1	54 885.4	4122.9	55 063.1	4224.5	55 241.4	4326.4
20	45 624.2	4183.3	45 808.1	4285.3	45 992.3	4387.4	46 177.2	4489.6
25	36 540.4	4351.3	36 730.9	4453.7	36 921.7	4556.1	37 113.2	4658.7
30	27 456.8	4525.2	27 653.8	4628.1	27 851.2	4730.8	28 049.4	4833.8
35	18 373.2	4705.0	18 576.8	4808.3	18 780.8	4911.4	18 985.6	5014.8
40	09 289.8	4890.8	09 499.9	4994.4	09 710.5	5098.0	09 921.9	5201.7
45	700 206.5	5082.4	700 423.1	5186.4	700 640.3	5290.4	700 858.3	5394.6
50	691 123.3	5279.9	691 346.5	5384.4	691 570.3	5488.8	691 794.9	5593.4
55	82 040.2	5483.3	82 270.0	5588.2	82 500.4	5693.1	82 731.6	5798.1
84 00	672 957.3	305 692.6	673 193.6	315 798.0	673 430.6	325 903.3	673 668.4	336 008.8
100								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 26° 45′.		Lat. 26° 50′.		Lat. 26° 55′.		Lat. 27° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 163 177.1	333 124.7	1 163 057.9	343 224.0	1 162 938.4	353 323.5	1 162 818.6	363 423.0
95 35	54 112.1	3020.8	53 999.5	3120.0	53 886.6	3219.2	53 773.5	3318.5
40	45 047.0	2922.9	44 941.0	3021.8	44 834.8	3120.9	44 728.4	3220.0
45	35 981.9	2830.9	35 882.5	2929.7	35 782.9	3028.5	35 683.2	3127.4
50	26 916.7	2744.9	26 824.0	2843.4	26 731.0	2942.1	26 637.9	3040.8
55	17 851.4	2664.7	17 765.4	2763.1	17 679.0	2861.6	17 592.5	2960.2
80 00	1 108 786.1	332 590.6	1 108 706.7	342 688.8	1 108 627.0	352 787.1	1 108 547.1	362 885.5
96 05	1 099 721.0	2522.3	1 099 647.9	2620.4	1 099 574.8	2718.6	1 099 501.6	2816.8
10	90 655.8	2460.0	90 589.1	2558.0	90 522.6	2656.0	90 456.1	2754.1
15	81 590.2	2403.6	81 530.2	2501.5	81 470.4	2599.4	81 410.5	2697.4
20	72 524.6	2353.2	72 471.4	2450.9	72 418.3	2548.7	72 365.0	2646.6
25	63 459.1	2308.7	63 412.6	2406.3	63 366.1	2504.0	63 319.5	2601.8
30	54 393.5	2270.1	54 353.8	2367.6	54 313.9	2465.3	54 274.0	2563.0
35	45 327.9	2237.5	45 294.8	2334.9	45 261.6	2432.5	45 228.3	2530.1
40	36 262.3	2210.8	36 235.9	2308.2	36 209.3	2405.7	36 182.7	2503.3
45	27 196.7	2190.0	27 176.9	2287.4	27 156.9	2384.8	27 137.0	2482.4
50	18 131.2	2175.2	18 117.9	2272.5	18 104.6	2369.9	18 091.3	2467.4
55	09 065.6	2166.3	09 059.0	2263.6	09 052.3	2361.0	09 045.7	2458.5
81 00	1 000 000.0	332 163.3	1 000 000.0	342 260.6	1 000 000.0	352 358.0	1 000 000.0	362 455.5
97 05	990 934.4	2166.3	990 941.0	2263.6	990 947.7	2361.0	990 954.3	2458.5
10	81 868.8	2175.2	81 882.1	2272.5	81 895.4	2369.9	81 908.7	2467.4
15	72 803.3	2190.0	72 823.1	2287.4	72 843.1	2384.8	72 863.0	2482.4
20	63 737.7	2210.8	63 764.1	2308.2	63 790.7	2405.7	63 817.3	2503.3
25	54 672.1	2237.5	54 705.2	2334.9	54 738.4	2432.5	54 771.7	2530.1
30	45 606.5	2270.1	45 646.2	2367.6	45 686.1	2465.3	45 726.0	2563.0
35	36 540.9	2308.7	36 587.4	2406.3	36 633.9	2504.0	36 680.5	2601.8
40	27 475.4	2353.2	27 528.6	2450.9	27 581.7	2548.7	27 635.0	2646.6
45	18 409.8	2403.6	18 469.8	2501.5	18 529.6	2599.4	18 589.5	2697.4
50	09 344.2	2460.0	09 410.9	2558.0	09 477.4	2656.0	09 543.9	2754.1
55	900 279.0	2522.3	900 352.1	2620.4	900 425.2	2718.6	900 498.4	2816.8
82 00	891 213.9	332 590.6	891 293.3	342 688.8	891 373.0	352 787.1	891 452.9	362 885.5
98 05	82 148.6	2664.7	82 234.6	2763.1	82 321.0	2861.6	82 407.5	2960.2
10	73 083.3	2744.9	73 176.0	2843.4	73 269.0	2942.1	73 362.1	3040.8
15	64 018.1	2830.9	64 117.5	2929.7	64 217.1	3028.5	64 316.8	3127.4
20	54 953.0	2922.9	55 059.0	3021.8	55 165.2	3120.9	55 271.6	3220.0
25	45 887.9	3020.8	46 000.5	3120.0	46 113.4	3219.2	46 226.5	3318.5
30	36 822.9	3124.7	36 942.1	3224.0	37 061.6	3323.5	37 181.4	3423.0
35	27 758.0	3234.5	27 883.8	3334.1	28 009.9	3433.8	28 136.4	3533.5
40	18 693.1	3350.2	18 825.5	3450.0	18 958.3	3550.0	19 091.5	3650.0
45	09 628.3	3471.8	09 767.4	3572.0	09 906.8	3672.2	10 046.7	3772.4
50	800 563.6	3599.4	800 709.3	3699.8	800 855.4	3800.3	801 001.9	3900.8
55	791 499.0	3732.9	791 651.3	3833.6	791 804.1	3934.4	791 957.2	4035.2
83 00	782 434.5	333 872.4	782 593.4	343 973.4	782 752.8	354 074.4	782 912.6	364 175.5
99 05	73 370.1	4017.8	73 535.6	4119.1	73 701.6	4220.5	73 868.1	4321.9
10	64 305.7	4169.1	64 477.9	4270.8	64 650.5	4372.4	64 823.7	4474.2
15	55 241.4	4326.4	55 420.3	4428.4	55 599.6	4530.4	55 779.4	4632.4
20	46 177.2	4489.6	46 362.8	4591.9	46 548.7	4694.3	46 735.2	4796.7
25	37 113.2	4658.7	37 305.4	4761.4	37 498.0	4864.1	37 691.1	4966.9
30	28 049.4	4833.8	28 248.1	4936.8	28 447.4	5039.9	28 647.1	5143.1
35	18 985.6	5014.8	19 191.0	5118.2	19 396.9	5221.7	19 603.2	5325.2
40	09 921.9	5201.7	10 133.9	5305.6	10 346.5	5409.5	10 559.5	5513.4
45	700 858.3	5394.6	701 077.0	5498.9	701 296.2	5603.2	701 515.9	5707.5
50	691 794.9	5593.4	692 020.2	5698.1	692 246.0	5802.8	692 472.4	5907.5
55	82 731.6	5798.1	82 963.5	5903.3	83 196.0	6008.4	83 429.0	6113.6
84 00	673 668.4	336 008.8	673 907.0	346 114.4	674 146.1	356 220.0	674 385.8	366 325.6
100								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 27° 00′.		Lat. 27° 05′.		Lat. 27° 10′.		Lat. 27° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 30	1 162 818.6	363 423.0	1 162 698.3	373 522.7	1 162 577.8	383 622.5	1 162 456.9	393 722.4
95 35	53 773.5	3318.5	53 659.9	3417.9	53 546.1	3517.5	53 431.9	3617.2
40	44 728.4	3220.0	44 621.5	3319.2	44 514.3	3418.6	44 406.9	3518.1
45	35 683.2	3127.4	35 583.0	3226.4	35 482.5	3325.6	35 381.8	3424.9
50	26 637.9	3040.8	26 544.4	3139.6	26 450.6	3238.7	26 356.6	3337.8
55	17 592.5	2960.2	17 505.7	3058.8	17 418.6	3157.7	17 331.3	3256.6
80 00	1 108 547.1	362 885.5	1 108 467.0	372 984.0	1 108 386.6	383 082.7	1 108 306.0	393 181.5
96 05	1 099 501.6	2816.8	1 099 428.2	2915.2	1 099 354.5	3013.7	1 099 280.6	3112.4
10	90 456.1	2754.1	90 389.3	2852.3	90 322.3	2950.8	90 255.2	3049.3
15	81 410.5	2697.4	81 350.5	2795.5	81 290.2	2893.8	81 229.8	2992.2
20	72 365.0	2646.6	72 311.6	2744.6	72 258.1	2842.8	72 204.3	2941.1
25	63 319.5	2601.8	63 272.8	2699.7	63 225.9	2797.8	63 178.9	2896.0
30	54 274.0	2563.0	54 233.9	2660.8	54 193.8	2758.8	54 153.5	2857.0
35	45 228.3	2530.1	45 194.9	2627.9	45 161.5	2725.9	45 127.9	2823.9
40	36 182.7	2503.3	36 155.9	2601.0	36 129.2	2698.9	36 102.3	2796.9
45	27 137.0	2482.4	27 116.9	2580.0	27 096.9	2677.9	27 076.7	2775.8
50	18 091.3	2467.4	18 078.0	2565.1	18 064.6	2662.9	18 051.2	2760.8
55	09 045.7	2458.5	09 039.0	2556.1	09 032.3	2653.9	09 025.6	2751.8
81 00	1 000 000.0	362 455.5	1 000 000.0	372 553.1	1 000 000.0	382 650.9	1 000 000.0	392 748.8
97 05	990 954.3	2458.5	990 961.0	2556.1	990 967.7	2653.9	990 974.4	2751.8
10	81 908.7	2467.4	81 922.0	2565.1	81 935.4	2662.9	81 948.8	2760.8
15	72 863.0	2482.4	72 883.1	2580.0	72 903.1	2677.9	72 923.3	2775.8
20	63 817.3	2503.3	63 844.1	2601.0	63 870.8	2698.9	63 897.7	2796.9
25	54 771.7	2530.1	54 805.1	2627.9	54 838.5	2725.9	54 872.1	2823.9
30	45 726.0	2563.0	45 766.1	2660.8	45 806.2	2758.8	45 846.5	2857.0
35	36 680.5	2601.8	36 727.2	2699.7	36 774.1	2797.8	36 821.1	2896.0
40	27 635.0	2646.6	27 688.4	2744.6	27 741.9	2842.8	27 795.7	2941.1
45	18 589.5	2697.4	18 649.5	2795.5	18 709.8	2893.8	18 770.2	2992.2
50	09 543.9	2754.1	09 610.7	2852.3	09 677.7	2950.8	09 744.8	3049.3
55	900 498.4	2816.8	900 571.8	2915.2	900 645.5	3013.7	900 719.4	3112.4
82 00	891 452.9	362 885.5	891 533.0	372 984.0	891 613.4	383 082.7	891 694.0	393 181.5
98 05	82 407.5	2960.2	82 494.3	3058.8	82 581.4	3157.7	82 668.7	3256.6
10	73 362.1	3040.8	73 455.6	3139.6	73 549.4	3238.7	73 643.4	3337.8
15	64 316.8	3127.4	64 417.0	3226.4	64 517.5	3325.6	64 618.2	3424.9
20	55 271.6	3220.0	55 378.5	3319.2	55 485.7	3418.6	55 593.1	3518.1
25	46 226.5	3318.5	46 340.1	3417.9	46 453.9	3517.5	46 568.1	3617.2
30	37 181.4	3423.0	37 301.7	3522.7	37 422.2	3622.5	37 543.1	3722.4
35	28 136.4	3533.5	28 263.4	3633.4	28 390.6	3733.5	28 518.2	3833.6
40	19 091.5	3650.0	19 225.1	3750.1	19 359.0	3850.4	19 493.4	3950.8
45	10 046.7	3772.4	10 186.9	3872.8	10 327.5	3973.4	10 468.6	4074.0
50	801 001.9	3900.8	801 148.8	4001.5	801 296.1	4102.3	801 443.9	4203.2
55	791 957.2	4035.2	792 110.8	4136.1	792 264.8	4237.2	792 419.3	4338.5
83 00	782 912.6	364 175.5	783 072.9	374 276.8	783 233.6	384 378.2	783 394.8	394 479.7
99 05	73 868.1	4321.9	74 035.1	4423.4	74 202.5	4525.1	74 370.4	4626.9
10	64 823.7	4474.2	64 997.4	4576.0	65 171.5	4678.1	65 346.1	4780.2
15	55 779.4	4632.4	55 959.8	4734.6	56 140.6	4837.0	56 321.9	4939.5
20	46 735.2	4796.7	46 922.2	4899.2	47 109.8	5001.9	47 297.8	5104.7
25	37 691.1	4966.9	37 884.8	5069.8	38 079.1	5172.9	38 273.9	5276.0
30	28 647.1	5143.1	28 847.5	5246.3	29 048.6	5349.8	29 250.1	5453.3
35	19 603.2	5325.2	19 810.3	5428.9	20 018.1	5532.7	20 226.3	5636.6
40	10 559.5	5513.4	10 773.3	5617.4	10 987.7	5721.6	11 202.7	5825.9
45	701 515.9	5707.5	701 736.4	5811.9	701 957.5	5916.6	702 179.2	6021.3
50	692 472.4	5907.5	692 699.6	6012.4	692 927.4	6117.5	693 155.9	6222.6
55	83 429.0	6113.6	83 663.0	6218.9	83 897.4	6324.4	84 132.7	6430.0
84 00	674 385.8	366 325.6	674 626.5	376 431.4	674 867.6	386 537.3	675 109.6	396 643.3
100 05	65 342.7	6543.6	65 590.1	6649.8	65 838.0	6756.2	66 086.6	6862.7
10	56 299.8	6767.6	56 553.9	6874.2	56 808.5	6981.1	57 063.8	7088.1
15	47 257.1	6997.5	47 517.8	7104.7	47 779.1	7212.0	48 041.2	7319.4
20	38 214.6	7233.4	38 481.9	7341.1	38 749.8	7448.9	39 018.7	7556.8
25	29 172.1	7475.3	29 446.2	7583.5	29 720.9	7691.8	29 996.4	7800.3
84 30	620 129.8	367 723.1	620 410.6	377 831.8	620 692.0	387 940.7	620 974.3	398 049.7

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 27° 15′.		Lat. 27° 20′.		Lat. 27° 25′.		Lat. 27° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
79 95 30	1 162 456.9	393 722.4	1 162 335.7	403 822.4	1 162 214.1	413 922.7	1 162 092.2	424 022.9
35	53 431.9	3617.2	53 317.4	3717.1	53 202.6	3817.1	53 087.5	3917.0
40	44 406.9	3518.1	44 299.1	3617.7	44 191.0	3717.5	44 082.7	3817.3
45	35 381.8	3424.9	35 280.7	3524.3	35 179.4	3623.9	35 077.8	3723.5
50	26 356.6	3337.8	26 262.3	3437.0	26 167.7	3536.4	26 072.9	3635.8
55	17 331.3	3256.6	17 243.8	3355.7	17 155.9	3455.0	17 067.9	3554.2
80 96 00	1 108 306.0	393 181.5	1 108 225.2	403 280.4	1 108 144.1	413 379.5	1 108 062.9	423 478.6
05	1 099 280.6	3112.4	1 099 206.5	3211.2	1 099 132.2	3310.1	1 099 057.7	3409.1
10	90 255.2	3049.3	90 187.8	3147.9	90 120.2	3246.7	90 052.6	3345.6
15	81 229.8	2992.2	81 169.1	3090.7	81 108.3	3189.4	81 047.4	3288.1
20	72 204.3	2941.1	72 150.5	3039.5	72 096.4	3138.1	72 042.2	3236.7
25	63 178.9	2896.0	63 131.8	2994.3	63 084.4	3092.9	63 037.1	3191.4
30	54 153.5	2857.0	54 113.1	2955.2	54 072.5	3053.6	54 031.9	3152.1
35	45 127.9	2823.9	45 094.3	2922.1	45 060.4	3020.4	45 026.6	3118.8
40	36 102.3	2796.9	36 075.4	2895.0	36 048.3	2993.3	36 021.3	3091.6
45	27 076.7	2775.8	27 056.6	2873.9	27 036.2	2972.2	27 015.9	3070.4
50	18 051.2	2760.8	18 037.7	2858.8	18 024.2	2957.1	18 010.6	3055.3
55	09 025.6	2751.8	09 018.9	2849.8	09 012.1	2948.0	09 005.3	3046.2
81 97 00	1 000 000.0	392 748.8	1 000 000.0	402 846.8	1 000 000.0	412 945.0	1 000 000.0	423 043.2
05	990 974.4	2751.8	990 981.1	2849.8	990 987.9	2948.0	990 994.7	3046.2
10	81 948.8	2760.8	81 962.3	2858.8	81 975.8	2957.1	81 989.4	3055.3
15	72 923.3	2775.8	72 943.4	2873.9	72 963.8	2972.2	72 984.1	3070.4
20	63 897.7	2796.9	63 924.6	2895.0	63 951.7	2993.3	63 978.7	3091.6
25	54 872.1	2823.9	54 905.7	2922.1	54 939.6	3020.4	54 973.4	3118.8
30	45 846.5	2857.0	45 886.9	2955.2	45 927.5	3053.6	45 968.1	3152.1
35	36 821.1	2896.0	36 868.2	2994.3	36 915.6	3092.9	36 962.9	3191.4
40	27 795.7	2941.1	27 849.5	3039.5	27 903.6	3138.1	27 957.8	3236.7
45	18 770.2	2992.2	18 830.9	3090.7	18 891.7	3189.4	18 952.6	3288.1
50	09 744.8	3049.3	09 812.2	3147.9	09 879.8	3246.7	09 947.4	3345.6
55	900 719.4	3112.4	900 793.5	3211.2	900 867.8	3310.1	900 942.3	3409.1
82 98 00	891 694.0	393 181.5	891 774.8	403 280.4	891 855.9	413 379.5	891 937.1	423 478.6
05	82 668.7	3256.6	82 756.2	3355.7	82 844.1	3455.0	82 932.1	3554.2
10	73 643.4	3337.8	73 737.7	3437.0	73 832.3	3536.4	73 927.1	3635.8
15	64 618.2	3424.9	64 719.3	3524.3	64 820.6	3623.9	64 922.2	3723.5
20	55 593.1	3518.1	55 700.9	3617.7	55 809.0	3717.5	55 917.3	3817.3
25	46 568.1	3617.2	46 682.6	3717.1	46 797.4	3817.1	46 912.5	3917.0
30	37 543.1	3722.4	37 664.3	3822.4	37 785.9	3922.7	37 907.8	4022.9
35	28 518.2	3833.6	28 646.1	3933.9	28 774.5	4034.3	28 903.2	4134.7
40	19 493.4	3950.8	19 628.0	4051.3	19 763.2	4152.0	19 898.6	4252.7
45	10 468.6	4074.0	10 610.0	4174.8	10 752.0	4275.7	10 894.2	4376.6
50	801 443.9	4203.2	801 592.1	4304.3	801 740.8	4405.5	801 889.7	4506.6
55	792 419.3	4338.5	792 574.3	4439.8	792 729.7	4541.3	792 885.4	4642.7
83 99 00	783 394.8	394 479.7	783 556.5	404 581.3	783 718.7	414 683.1	783 881.2	424 784.8
05	74 370.4	4626.9	74 538.8	4728.8	74 707.8	4830.9	74 877.1	4933.0
10	65 346.1	4780.2	65 521.2	4882.4	65 697.0	4984.8	65 873.1	5087.2
15	56 321.9	4939.5	56 503.8	5042.0	56 686.3	5144.8	56 869.2	5247.4
20	47 297.8	5104.7	47 486.5	5207.6	47 675.7	5310.7	47 865.4	5413.7
25	38 273.9	5276.0	38 469.2	5379.3	38 665.2	5482.7	38 861.7	5586.1
30	29 250.1	5453.3	29 452.1	5556.9	29 654.8	5660.7	29 858.1	5764.5
35	20 226.3	5636.6	20 435.2	5740.6	20 644.6	5844.8	20 854.7	5948.9
40	11 202.7	5825.9	11 418.3	5930.3	11 634.5	6034.9	11 851.4	6139.4
45	702 179.2	6021.3	702 401.5	6126.1	702 624.5	6231.0	702 848.2	6336.0
50	693 155.9	6222.6	693 384.9	6327.8	693 614.7	6433.2	693 845.1	6538.5
55	84 132.7	6430.0	84 368.4	6535.6	84 605.0	6641.4	84 842.2	6747.2
84 100 00	675 109.6	396 643.3	675 352.1	406 749.4	675 595.4	416 855.7	675 839.4	426 961.9
05	66 086.6	6862.7	66 335.9	6969.2	66 586.0	7075.9	66 836.8	7182.6
10	57 063.8	7088.1	57 319.9	7195.1	57 576.7	7302.3	57 834.3	7409.4
15	48 041.2	7319.4	48 304.0	7427.0	48 567.6	7534.6	48 832.0	7642.2
20	39 018.7	7556.8	39 288.3	7664.8	39 558.7	7773.0	39 829.8	7881.0
25	29 996.4	7800.3	30 272.8	7908.8	30 549.9	8017.4	30 827.8	8126.0
84 100 30	620 974.3	398 049.7	621 257.4	408 158.7	621 541.3	418 267.9	621 826.0	428 376.9

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 27° 30′.		Lat. 27° 35′.		Lat. 27° 40′.		Lat. 27° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
79 95 30	1 162 092.2	424 022.9	1 161 969.9	434 123.3	1 161 847.2	444 223.7	1 161 724.3	454 324.4
35	53 087.5	3917.0	52 972.0	4017.2	52 856.1	4117.5	52 740.0	4218.0
40	44 082.7	3817.3	43 974.0	3917.2	43 865.0	4017.3	43 755.7	4117.6
45	35 077.8	3723.5	34 975.9	3823.3	34 873.8	3923.2	34 771.3	4023.3
50	26 072.9	3635.8	25 977.8	3735.4	25 882.5	3835.1	25 786.8	3935.0
55	17 067.9	3554.2	16 979.6	3653.6	16 891.1	3753.2	16 802.2	3852.9
80 96 00	1 108 062.9	423 478.6	1 107 981.4	433 577.9	1 107 899.7	443 677.3	1 107 817.6	453 776.9
05	1 099 057.7	3409.1	1 098 983.0	3508.2	1 098 908.1	3607.4	1 098 832.9	3706.9
10	90 052.6	3345.6	89 984.7	3444.6	89 916.6	3543.7	89 848.1	3643.0
15	81 047.4	3288.1	80 986.3	3387.0	80 925.0	3486.0	80 863.4	3585.2
20	72 042.2	3236.7	71 987.9	3335.5	71 933.4	3434.4	71 878.7	3533.5
25	63 037.1	3191.4	62 989.6	3290.1	62 941.9	3388.9	62 894.0	3487.9
30	54 031.9	3152.1	53 991.2	3250.7	53 950.3	3349.4	53 909.3	3448.3
35	45 026.6	3118.8	44 992.7	3217.3	44 958.6	3316.0	44 924.4	3414.9
40	36 021.3	3091.6	35 994.1	3190.1	35 966.9	3288.7	35 939.5	3387.5
45	27 015.9	3070.4	26 995.6	3168.9	26 975.1	3267.4	26 954.6	3366.2
50	18 010.6	3055.3	17 997.1	3153.7	17 983.4	3252.2	17 969.7	3351.0
55	09 005.3	3046.2	08 998.5	3144.6	08 991.7	3243.1	08 984.9	3341.8
81 97 00	1 000 000.0	423 043.2	1 000 000.0	433 141.6	1 000 000.0	443 240.1	1 000 000.0	453 338.8
05	990 994.7	3046.2	991 001.5	3144.6	991 008.3	3243.1	991 015.1	3341.8
10	81 989.4	3055.3	82 002.9	3153.7	82 016.6	3252.2	82 030.3	3351.0
15	72 984.1	3070.4	73 004.4	3168.9	73 024.9	3267.4	73 045.4	3366.2
20	63 978.7	3091.6	64 005.9	3190.1	64 033.1	3288.7	64 060.5	3387.5
25	54 973.4	3118.8	55 007.3	3217.3	55 041.4	3316.0	55 075.6	3414.9
30	45 968.1	3152.1	46 008.8	3250.7	46 049.7	3349.4	46 090.7	3448.3
35	36 962.9	3191.4	37 010.4	3290.1	37 058.1	3388.9	37 106.0	3487.9
40	27 957.8	3236.7	28 012.1	3335.5	28 066.6	3434.4	28 121.3	3533.5
45	18 952.6	3288.1	19 013.7	3387.0	19 075.0	3486.0	19 136.6	3585.2
50	09 947.4	3345.6	10 015.3	3444.6	10 083.4	3543.7	10 151.9	3643.0
55	900 942.3	3409.1	901 017.0	3508.2	901 091.9	3607.4	901 167.1	3706.9
82 98 00	891 937.1	423 478.6	892 018.6	433 577.9	892 100.3	443 677.3	892 182.4	453 776.9
05	82 932.1	3554.2	83 020.4	3653.6	83 108.9	3753.2	83 197.8	3852.9
10	73 927.1	3635.8	74 022.2	3735.4	74 117.5	3835.1	74 213.2	3935.0
15	64 922.2	3723.5	65 024.1	3823.3	65 126.2	3923.2	65 228.7	4023.3
20	55 917.3	3817.3	56 026.0	3917.2	56 135.0	4017.3	56 244.3	4117.6
25	46 912.5	3917.0	47 028.0	4017.2	47 143.9	4117.5	47 260.0	4218.0
30	37 907.8	4022.9	38 030.1	4123.3	38 152.8	4223.7	38 275.7	4324.4
35	28 903.2	4134.7	29 032.2	4235.4	29 161.8	4336.1	29 291.5	4437.0
40	19 898.6	4252.7	20 034.5	4353.5	20 170.8	4454.5	20 307.4	4555.6
45	10 894.2	4376.6	11 036.8	4477.7	11 179.9	4578.9	11 323.4	4680.3
50	801 889.7	4506.6	802 039.2	4608.0	802 189.1	4709.5	802 339.4	4811.2
55	792 885.4	4642.7	793 041.7	4744.4	793 198.4	4846.1	793 355.5	4948.0
83 99 00	783 881.2	424 784.8	784 044.2	434 886.8	784 207.7	444 988.8	784 371.7	455 091.0
05	74 877.1	4933.0	75 046.9	5035.2	75 217.2	5137.6	75 388.1	5240.1
10	65 873.1	5087.2	66 049.7	5189.8	66 226.8	5292.4	66 404.5	5395.2
15	56 869.2	5247.4	57 052.6	5350.3	57 236.5	5453.3	57 421.0	5556.5
20	47 865.4	5413.7	48 055.6	5517.0	48 246.3	5620.3	48 437.6	5723.8
25	38 861.7	5586.1	39 058.7	5689.7	39 256.3	5793.3	39 454.4	5897.2
30	29 858.1	5764.5	30 061.9	5868.4	30 266.4	5972.4	30 471.3	6076.7
35	20 854.7	5948.9	21 065.3	6053.3	21 276.5	6157.6	21 488.3	6262.2
40	11 851.4	6139.4	12 068.8	6244.1	12 286.8	6348.9	12 505.4	6453.9
45	702 848.2	6336.0	703 072.4	6441.1	703 297.2	6546.2	703 522.7	6651.6
50	693 845.1	6538.5	694 076.1	6644.1	694 307.8	6749.6	694 540.1	6855.4
55	84 842.2	6747.2	85 080.0	6853.1	85 318.5	6959.1	85 557.7	7065.3
84 100 00	675 839.4	426 961.9	676 084.0	437 068.2	676 329.3	447 174.7	676 575.4	457 281.3
05	66 836.8	7182.6	67 088.2	7289.4	67 340.3	7396.3	67 593.3	7503.4
10	57 834.3	7409.4	58 092.5	7516.7	58 351.4	7624.0	58 611.3	7731.5
15	48 832.0	7642.2	49 097.0	7750.0	49 362.7	7857.8	49 629.4	7965.8
20	39 829.8	7881.0	40 101.6	7989.3	40 374.2	8097.6	40 647.7	8206.1
25	30 827.8	8126.0	31 106.4	8234.7	31 385.8	8343.5	31 666.2	8452.5
84 100 30	621 826.0	428 376.9	622 111.4	438 486.2	622 397.6	448 595.5	622 684.8	458 705.0

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 27° 45′.		Lat. 27° 50′.		Lat. 27° 55′.		Lat. 28° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
79 95 30	1 161 724.3	454 324.4	1 161 601.1	464 425.1	1 161 477.5	474 525.9	1 161 353.4	484 626.7
35	5 2740.0	4218.0	52 623.7	4318.4	52 507.0	4419.0	52 389.7	4519.6
40	43 755.7	4117.6	43 646.2	4217.8	43 536.3	4318.2	43 426.0	4418.6
45	34 771.3	4023.3	34 668.6	4123.3	34 565.6	4223.5	34 462.2	4323.7
50	25 786.8	3935.0	25 691.0	4034.9	25 594.8	4134.9	25 498.4	4235.0
55	16 802.2	3852.9	16 713.3	3952.6	16 624.0	4052.5	16 534.4	4152.4
80 96 00	1 107 817.6	453 776.9	1 107 735.5	463 876.4	1 107 653.1	473 976.1	1 107 570.4	484 075.9
05	1 098 832.9	3706.9	1 098 757.6	3806.3	1 098 682.1	3905.9	1 098 606.3	4005.5
10	89 848.1	3643.0	89 779.7	3742.3	89 711.1	3841.7	89 642.2	3941.2
15	80 863.4	3585.2	80 801.8	3684.4	80 740.0	3783.7	80 678.0	3883.1
20	71 878.7	3533.5	71 823.9	3632.6	71 769.0	3731.8	71 713.9	3831.0
25	62 894.0	3487.9	62 846.1	3586.9	62 798.0	3686.0	62 749.8	3785.1
30	53 909.3	3448.3	53 868.2	3547.2	53 827.0	3646.3	53 785.7	3745.4
35	44 924.4	3414.9	44 890.2	3513.7	44 855.8	3612.7	44 821.4	3711.7
40	35 939.5	3387.5	35 912.1	3486.3	35 884.7	3585.2	35 857.1	3684.2
45	26 954.6	3366.2	26 934.1	3464.9	26 913.5	3563.8	26 892.8	3662.7
50	17 969.7	3351.0	17 956.1	3449.7	17 942.3	3548.5	17 928.6	3647.4
55	08 984.9	3341.8	08 978.0	3440.5	08 971.2	3539.4	08 964.3	3638.3
81 97 00	1 000 000.0	453 338.8	1 000 000.0	463 437.5	1 000 000.0	473 536.3	1 000 000.0	483 635.2
05	991 015.1	3341.8	991 022.0	3440.5	991 028.8	3539.4	991 035.7	3638.3
10	82 030.3	3351.0	82 043.9	3449.7	82 057.7	3548.5	82 071.4	3647.4
15	73 045.4	3366.2	73 065.9	3464.9	73 086.5	3563.8	73 107.2	3662.7
20	64 060.5	3387.5	64 087.9	3486.3	64 115.3	3585.2	64 142.9	3684.2
25	55 075.6	3414.9	55 109.8	3513.7	55 144.2	3612.7	55 178.6	3711.7
30	46 090.7	3448.3	46 131.8	3547.2	46 173.0	3646.3	46 214.3	3745.4
35	37 106.0	3487.9	37 153.9	3586.9	37 202.0	3686.0	37 250.2	3785.1
40	28 121.3	3533.5	28 176.1	3632.6	28 231.0	3731.8	28 286.1	3831.0
45	19 136.6	3585.2	19 198.2	3684.4	19 260.0	3783.7	19 322.0	3883.1
50	10 151.9	3643.0	10 220.3	3742.3	10 288.9	3841.7	10 357.8	3941.2
55	901 167.1	3706.9	901 242.4	3806.3	901 317.9	3905.9	901 393.7	4005.5
82 98 00	892 182.4	453 776.9	892 264.5	463 876.4	892 346.9	473 976.1	892 429.6	484 075.9
05	83 197.8	3852.9	83 286.7	3952.6	83 376.0	4052.5	83 465.6	4152.4
10	74 213.2	3935.0	74 309.0	4034.9	74 405.2	4134.9	74 501.6	4235.0
15	65 228.7	4023.3	65 331.4	4123.3	65 434.4	4223.5	65 537.8	4323.7
20	56 244.3	4117.6	56 353.8	4217.8	56 463.7	4318.2	56 574.0	4418.6
25	47 260.0	4218.0	47 376.3	4318.4	47 493.0	4419.0	47 610.3	4519.6
30	38 275.7	4324.4	38 398.9	4425.1	38 522.5	4525.9	38 646.6	4626.7
35	29 291.5	4437.0	29 421.6	4537.9	29 552.0	4638.9	29 683.0	4739.9
40	20 307.4	4555.6	20 444.3	4656.8	20 581.6	4758.0	20 719.5	4859.3
45	11 323.4	4680.3	11 467.1	4781.7	11 611.3	4883.2	11 756.1	4984.7
50	802 339.4	4811.2	802 490.0	4912.8	802 641.1	5014.5	802 792.7	5116.3
55	793 355.5	4948.0	793 513.0	5050.0	793 671.0	5152.0	793 829.5	5254.0
83 99 00	784 371.7	455 091.0	784 536.1	465 193.2	784 700.9	475 295.5	784 866.3	485 397.8
05	75 388.1	5240.1	75 559.3	5342.6	75 730.9	5445.2	75 903.2	5547.8
10	66 404.5	5395.2	66 582.6	5498.0	66 761.1	5600.9	66 940.3	5703.9
15	57 421.0	5556.5	57 605.9	5659.6	57 791.4	5762.8	57 977.5	5866.1
20	48 437.6	5723.8	48 629.4	5827.2	48 821.8	5930.8	49 014.7	6034.4
25	39 454.4	5897.2	39 653.0	6001.0	39 852.3	6104.9	40 052.1	6208.8
30	30 471.3	6076.7	30 676.8	6180.8	30 882.9	6285.1	31 089.7	6389.3
35	21 488.3	6262.2	21 700.7	6366.8	21 913.7	6471.4	22 127.4	6576.0
40	12 505.4	6453.9	12 724.7	6558.8	12 944.6	6663.8	13 165.1	6768.8
45	703 522.7	6651.6	703 748.8	6756.9	703 975.5	6862.3	704 203.0	6967.7
50	694 540.1	6855.4	694 773.0	6961.1	695 006.6	7067.0	695 241.0	7172.7
55	85 557.7	7065.3	85 797.4	7171.5	86 037.9	7277.7	86 279.2	7383.9
84 100 00	676 575.4	457 281.3	676 822.0	467 387.9	677 069.3	477 494.6	677 317.5	487 601.2
05	67 593.3	7503.4	67 846.7	7610.4	68 100.9	7717.5	68 356.0	7824.5
10	58 611.3	7731.5	58 871.5	7839.0	59 132.7	7946.6	59 394.6	8054.1
15	49 629.4	7965.8	49 896.5	8073.7	50 164.6	8181.8	50 433.4	8289.7
20	40 647.7	8206.1	40 921.7	8314.5	41 196.7	8423.0	41 472.4	8531.5
25	31 666.2	8452.5	31 947.1	8561.4	32 228.9	8670.4	32 511.5	8779.3
84 100 30	622 684.8	458 705.0	622 972.6	468 814.4	623 261.3	478 923.9	623 550.8	489 033.3

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 28° 00′.		Lat. 28° 05′.		Lat. 28° 10′.		Lat. 28° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 483 962.7	492 558.6	1 483 589.3	502 675.2	1 483 215.0	512 791.8	1 482 839.7	522 908.6
100	35	75 004.4	2231.2	74 638.0	2347.1	74 270.5	2463.1	73 902.2	2579.2
108	40	66 045.9	1909.8	65 686.5	2025.2	65 325.9	2140.5	64 964.5	2256.0
116	45	57 087.2	1594.7	56 734.7	1709.4	56 381.1	1824.1	56 026.6	1939.0
69	50	48 128.2	1285.6	47 782.7	1399.7	47 436.0	1513.8	47 088.5	1628.1
77	55	39 169.0	0982.6	38 830.4	1096.1	38 490.6	1209.7	38 150.1	1323.4
85									
93	00	1 430 209.6	490 685.8	1 429 877.9	500 798.7	1 429 545.1	510 911.7	1 429 211.6	521 024.8
101	05	21 250.0	0395.1	20 925.2	0507.4	20 599.4	0619.8	20 272.8	0732.4
109	10	12 290.2	490 110.5	11 972.4	500 222.3	11 653.5	0334.1	11 333.9	0446.1
117	15	1 403 330.3	489 832.0	1 403 019.4	499 943.2	1 402 707.3	510 054.5	1 402 394.7	520 166.0
	20	1 394 370.1	9559.6	1 394 066.1	9670.4	1 393 761.0	509 781.1	1 393 455.4	519 892.1
	25	85 409.7	9293.4	85 112.7	9403.6	84 814.5	9513.8	84 515.9	9624.3
	30	76 449.2	9033.3	76 159.0	9143.0	75 867.8	9252.7	75 576.2	9362.6
	35	67 488.5	8779.3	67 205.2	8888.5	66 921.0	8997.7	66 636.3	9107.2
	40	58 527.6	8531.5	58 251.2	8640.1	57 974.0	8748.9	57 696.2	8857.8
	45	49 566.6	8289.7	49 297.1	8397.9	49 026.8	8506.2	48 755.9	8614.7
70	50	40 605.4	8054.1	40 342.9	8161.8	40 079.5	8269.6	39 815.5	8377.7
78	55	31 644.0	7824.5	31 388.5	7931.9	31 132.0	8039.2	30 875.0	8146.8
86									
94	00	1 322 682.5	487 601.2	1 322 433.9	497 708.0	1 322 184.3	507 815.0	1 321 934.3	517 922.1
102	05	13 720.8	7383.9	13 479.1	7490.3	13 236.5	7596.8	12 993.4	7703.6
110	10	1 304 759.0	7172.7	1 304 524.2	7278.8	1 304 288.4	7384.9	1 304 052.4	7491.2
118	15	1 295 797.0	6967.7	1 295 569.1	7073.3	1 295 340.4	7179.0	1 295 111.2	7284.9
	20	86 834.9	6768.8	86 613.9	6874.0	86 392.2	6979.4	86 169.9	7084.9
	25	77 872.6	6576.0	77 658.5	6680.9	77 443.8	6785.8	77 228.5	6890.9
	30	68 910.3	6389.3	68 703.1	6493.8	68 495.3	6598.4	68 287.0	6703.2
	35	59 947.9	6208.8	59 747.6	6312.9	59 546.7	6417.2	59 345.3	6521.6
	40	50 985.3	6034.4	50 791.9	6138.2	50 597.9	6242.0	50 403.5	6346.1
	45	42 022.5	5866.1	41 836.1	5969.5	41 649.0	6073.1	41 461.6	6176.8
71	50	33 059.7	5703.9	32 880.2	5807.0	32 700.0	5910.3	32 519.5	6013.7
79	55	24 096.8	5547.8	23 924.1	5650.6	23 750.9	5753.6	23 577.3	5856.7
87									
95	00	1 215 133.7	485 397.8	1 214 967.9	495 500.4	1 214 801.7	505 603.0	1 214 635.1	515 705.9
103	05	1 206 170.5	5254.0	1 206 011.6	5356.3	1 205 852.3	5458.7	1 205 692.7	5561.2
111	10	1 197 207.3	5116.3	1 197 055.3	5218.3	1 196 902.9	5320.4	1 196 750.3	5422.7
119	15	88 243.9	4984.7	88 098.9	5086.5	87 953.4	5188.3	87 807.7	5290.3
	20	79 280.5	4859.3	79 142.4	4960.8	79 003.9	5062.3	78 865.1	5164.1
	25	70 317.0	4739.9	70 185.8	4841.2	70 054.2	4942.5	69 922.3	5044.1
	30	61 353.4	4626.7	61 229.2	4727.7	61 104.5	4828.9	60 979.5	4930.2
	35	52 389.7	4519.6	52 272.4	4620.4	52 154.6	4721.3	52 036.6	4822.5
	40	43 426.0	4418.6	43 315.6	4519.2	43 204.7	4620.0	43 093.7	4720.9
	45	34 462.2	4323.7	34 358.7	4424.2	34 254.7	4524.7	34 150.7	4625.5
72	50	25 498.4	4235.0	25 401.7	4335.3	25 304.7	4435.6	25 207.6	4536.2
80	55	16 534.4	4152.4	16 444.7	4252.5	16 354.6	4352.7	16 264.4	4453.1
88									
96	00	1 107 570.4	484 075.9	1 107 487.6	494 175.8	1 107 404.5	504 275.9	1 107 321.2	514 376.1
104	05	1 098 606.3	4005.5	1 098 530.3	4105.3	1 098 454.2	4205.2	1 098 377.8	4305.3
112	10	89 642.2	3941.2	89 573.1	4040.9	89 503.9	4140.7	89 434.5	4240.7
120	15	80 678.0	3883.1	80 615.8	3982.6	80 553.6	4082.3	80 491.1	4182.2
	20	71 713.9	3831.0	71 658.6	3930.5	71 603.3	4030.1	71 547.7	4129.9
	25	62 749.8	3785.1	62 701.4	3884.5	62 653.0	3984.0	62 604.4	4083.7
	30	53 785.7	3745.4	53 744.2	3844.7	53 702.7	3944.1	53 661.0	4043.7
	35	44 821.4	3711.7	44 786.8	3810.9	44 752.3	3910.3	44 717.5	4009.9
	40	35 857.1	3684.2	35 829.5	3783.3	35 801.8	3882.7	35 774.0	3982.1
	45	26 892.8	3662.7	26 872.1	3761.9	26 851.4	3861.1	26 830.5	3960.6
73	50	17 928.6	3647.4	17 914.7	3746.6	17 900.9	3845.8	17 887.0	3945.2
81	55	08 964.3	3638.3	08 957.4	3737.4	08 950.5	3836.6	08 943.5	3936.0
89									
97	00	1 000 000.0	483 635.2	1 000 000.0	493 734.3	1 000 000.0	503 833.5	1 000 000.0	513 932.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 28° 00′.		Lat. 28° 05′.		Lat. 28° 10′.		Lat. 28° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	483 635.2	1 000 000.0	493 734.3	1 000 000.0	503 833.5	1 000 000.0	513 932.9
105 05	991 035.7	3638.3	991 042.6	3737.4	991 049.5	3836.6	991 056.4	3936.0
113 10	82 071.4	3647.4	82 085.3	3746.6	82 099.1	3845.8	82 113.0	3945.2
121 15	73 107.2	3662.7	73 127.9	3761.9	73 148.6	3861.1	73 169.5	3960 6
20	64 142.9	3684.2	64 170.5	3783.3	64 198.2	3882.7	64 226.0	3982 1
25	55 178.6	3711.7	55 213.2	3810.9	55 247.7	3910.3	55 282.5	4009.9
30	46 214.3	3745.4	46 255.8	3844.7	46 297.3	3944.1	46 339.0	4043.7
35	37 250.2	3785.1	37 298.6	3884.5	37 347.0	3984.0	37 395.6	4083.7
40	28 286.1	3831.0	28 341.4	3930.5	28 396.7	4030.1	28 452.3	4129.9
45	19 322.0	3883.1	19 384.2	3982.6	19 446.4	4082.3	19 508.9	4182.2
74 50	10 357.8	3941.2	10 426.9	4040.9	10 496.1	4140.7	10 565.5	4240.7
82 55	901 393.7	4005.5	901 469.7	4105.3	901 545.8	4205.2	901 622.2	4305.3
90								
98 00	892 429.6	484 075.9	892 512.4	494 175.8	892 595.5	504 275.9	892 678.8	514 376.1
106 05	83 465.6	4152.4	83 555.3	4252.5	83 645.4	4352.7	83 735.6	4453.1
114 10	74 501.6	4235.0	74 598.3	4335.3	74 695.3	4435.6	74 792.4	4536.2
122 15	65 537.8	4323.7	65 641.3	4424.2	65 745.3	4524.7	65 849.3	4625.5
20	56 574.0	4418.6	56 684.4	4519.2	56 795.3	4620.0	56 906.3	4720.9
25	47 610.3	4519.6	47 727.6	4620.4	47 845.4	4721.3	47 963.4	4822.5
30	38 646.6	4626.7	38 770.8	4727.7	38 895.5	4828.9	39 020.5	4930.2
35	29 683.0	4739.9	29 814.2	4841.2	29 945.8	4942.5	30 077.7	5044.1
40	20 719.5	4859.3	20 857.6	4960.8	20 996.1	5062.3	21 134.9	5164.1
45	11 756.1	4984.7	11 901.1	5086.5	12 046.6	5188.3	12 192.3	5290.3
75 50	802 792.7	5116.3	802 944.7	5218.3	803 097.1	5320.4	803 249.7	5422.7
83 55	793 829.5	5254.0	793 988.4	5356.3	794 147.7	5458.7	794 307.3	5561.2
91								
99 00	784 866.3	485 397.8	785 032.1	495 500.4	785 198.3	505 603.0	785 364.9	515 705.9
107 05	75 903.2	5547.8	76 075.9	5650.6	76 249.1	5753.6	76 422.7	5856.7
115 10	66 940.3	5703.9	67 119.8	5807.0	67 300.0	5910.3	67 480.5	6013.7
123 15	57 977.5	5866.1	58 163.9	5969.5	58 351.0	6073.1	58 538.4	6176 8
20	49 014.7	6034.4	49 208.1	6138.2	49 402.1	6242.0	49 596.5	6346 1
25	40 052.1	6208.8	40 252.4	6312.9	40 453.3	6417.2	40 654.7	6521.6
30	31 089.7	6389.3	31 296.9	6493.8	31 504.7	6598.4	31 713.0	6703 2
35	22 127.4	6576.0	22 341.5	6680.9	22 556.2	6785.8	22 771.5	6890 9
40	13 165.1	6768.8	13 386.1	6874.0	13 607.8	6979.4	13 830.1	7084.9
45	704 203.0	6967.7	704 430.9	7073.3	704 659.6	7179.0	704 888.8	7284.9
76 50	695 241.0	7172.7	695 475.8	7278.8	695 711.6	7384.9	695 947.6	7491.2
84 55	86 279.2	7383.9	86 520.9	7490.3	86 763.5	7596.8	87 006.6	7703.6
92								
100 00	677 317.5	487 601.2	677 566.1	497 708.0	677 815.7	507 815.0	678 065.7	517 922.1
108 05	68 356.0	7824.5	68 611.5	7931.9	68 868.0	8039.2	69 125.0	8146.8
116 10	59 394.6	8054.1	59 657.1	8161.8	59 920.5	8269.6	60 184.5	8377.7
124 15	50 433.4	8289.7	50 702.9	8397.9	50 973.2	8506.2	51 244.1	8614.7
20	41 472.4	8531.5	41 748.8	8640.1	42 026.0	8748.9	42 303.8	8857.8
25	32 511.5	8779.3	32 794.8	8888.5	33 079.0	8997.7	33 363.7	9107.2
30	23 550.8	9033.3	23 841.0	9143.0	24 132.2	9252.7	24 423.8	9362.6
35	14 590.3	9293.4	14 887.3	9403.6	15 185.5	9513.8	15 484.1	9624.3
40	605 629.9	9559.6	605 933.9	9670.4	606 239.0	509 781.1	606 544.6	519 892.1
45	596 669.7	489 832.0	596 980.6	499 943.2	597 292.7	510 054.5	597 605.3	520 166.0
77 50	87 709.8	490 110.5	88 027.6	500 222.3	88 346.5	0334.1	88 666.1	0446.1
85 55	78 750.0	0395.1	79 074.8	0507.4	79 400.6	0619.8	79 727.2	0732.4
93								
101 00	569 790.4	490 685.8	570 122.1	500 798.7	570 454.9	510 911.7	570 788.4	521 024.8
109 05	60 831.0	0982.6	61 169.6	1096.1	61 509.4	1209.7	61 849.9	1323.4
117 10	51 871.8	1285.6	52 217.3	1399.7	52 564.0	1513.8	52 911.5	1628.1
125 15	42 912.8	1594.7	43 265.3	1709.4	43 618.9	1824.1	43 973.4	1939.0
20	33 954.1	1909.8	34 313.5	2025.2	34 674.1	2140.5	35 035.5	2256.0
25	24 995.6	2231.2	25 362.0	2347.1	25 729.5	2463.1	26 097.8	2579.2
30	516 037.3	492 558.6	516 410.7	502 675.2	516 785.0	512 791.8	517 160.3	522 908.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 28° 15′.		Lat. 28° 20′.		Lat. 28° 25′.		Lat. 28° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 482 839.7	522 908.6	1 482 463.2	533 025.4	1 482 085.6	543 142.0	1 481 707.0	553 259.0
100	35	73 902.2	2579.2	73 532.7	2695.4	73 162.2	2811.4	72 790.7	2927.8
108	40	64 964.5	2256.0	64 602.0	2371.6	64 238.5	2486.9	63 874.0	2602.7
116	45	56 026.6	1939.0	55 671.1	2053.9	55 314.5	2168.7	54 957.1	2283.8
69	50	47 088.5	1628.1	46 740.0	1742.4	46 390.4	1856.6	46 040.0	1971.2
77	55	38 150.1	1323.4	37 808.6	1437.1	37 466.0	1550.7	37 122.6	1664.7
85									
93	00	1 429 211.6	521 024.8	1 428 877.0	531 138.0	1 428 541.4	541 251.0	1 428 205.1	551 364.4
101	05	20 272.8	0732.4	19 945.3	0845.0	19 616.7	0957.4	19 287.3	1070.3
109	10	11 333.9	0446.1	11 013.3	0558.2	10 691.8	0670.1	10 369.4	0782.4
117	15	1 402 394.7	520 166.0	1 402 081.1	0277.5	1 401 766.6	0388.9	1 401 451.3	0500.7
	20	1 393 455.4	519 892.1	1 393 148.7	530 003.1	1 392 841.3	540 113.9	1 392 532.9	550 225.1
	25	84 515.9	9624.3	84 216.1	529 734.8	83 915.7	539 845.1	83 614.4	549 955.8
	30	75 576.2	9362.6	75 283.4	9472.6	74 989.9	9582.4	74 695.6	9692.7
	35	66 636.3	9107.2	66 350.5	9216.6	66 064.0	9326.0	65 776.7	9435.7
	40	57 696.2	8857.8	57 417.5	8966.8	57 138.0	9075.7	56 857.7	9185.0
	45	48 755.9	8614.7	48 484.3	8723.2	48 211.8	8831.6	47 938.5	8940.4
70	50	39 815.5	8377.7	39 550.9	8485.7	39 285.3	8593.7	39 019.1	8702.0
78	55	30 875.0	8146.8	30 617.3	8254.4	30 358.7	8361.9	30 099.6	8469.8
86									
94	00	1 321 934.3	517 922.1	1 321 683.5	528 029.3	1 321 432.0	538 136.4	1 321 179.9	548 243.8
102	05	12 993.4	7703.6	12 749.6	7810.3	12 505.1	7917.0	12 259.9	8024.0
110	10	1 304 052.4	7491.2	1 303 815.6	7597.5	1 303 578.1	7703.8	1 303 339.9	7810.4
118	15	1 295 111.2	7284.9	1 294 881.4	7390.9	1 294 650.9	7496.8	1 294 419.7	7603.0
	20	86 169.9	7084.9	85 947.1	7190.4	85 723.5	7295.9	85 499.4	7401.8
	25	77 228.5	6890.9	77 012.6	6996.1	76 796.0	7101.3	76 578.9	7206.7
	30	68 287.0	6703.2	68 078.0	6808.0	67 868.4	6912.8	67 658.3	7017.9
	35	59 345.3	6521.6	59 143.3	6626.1	58 940.7	6730.5	58 737.7	6835.3
	40	50 403.5	6346.1	50 208.5	6450.3	50 012.8	6554.4	49 816.8	6658.8
	45	41 461.6	6176.8	41 273.5	6280.7	41 084.8	6384.4	40 895.8	6488.5
71	50	32 519.5	6013.7	32 338.4	6117.2	32 156.8	6220.6	31 974.8	6324.4
79	55	23 577.3	5856.7	23 403.2	5959.9	23 228.6	6063.1	23 053.6	6166.6
87									
95	00	1 214 635.1	515 705.9	1 214 467.9	525 808.8	1 214 300.3	535 911.7	1 214 132.3	546 014.9
103	05	1 205 692.7	5561.2	1 205 532.5	5663.8	1 205 371.9	5766.4	1 205 210.8	5869.4
111	10	1 196 750.3	5422.7	1 196 597.1	5525.1	1 196 443.4	5627.4	1 196 289.3	5730.1
119	15	87 807.7	5290.3	87 661.5	5392.5	87 514.8	5494.5	87 367.9	5596.9
	20	78 865.1	5164.1	78 725.8	5266.0	78 586.1	5367.8	78 446.3	5470.0
	25	69 922.3	5044.1	69 790.0	5145.7	69 657.3	5247.3	69 524.5	5349.3
	30	60 979.5	4930.2	60 854.1	5031.6	60 728.5	5133.0	60 602.4	5234.7
	35	52 036.6	4822.5	51 918.2	4923.7	51 799.5	5024.9	51 680.4	5126.4
	40	43 093.7	4720.9	42 982.2	4821.9	42 870.5	4922.9	42 758.5	5024.2
	45	34 150.7	4625.5	34 046.2	4726.3	33 941.4	4827.1	33 836.4	4928.3
72	50	25 207.6	4536.2	25 110.1	4636.9	25 012.3	4737.5	24 914.3	4838.5
80	55	16 264.4	4453.1	16 173.9	4553.6	16 083.1	4654.1	15 992.1	4754.9
88									
96	00	1 107 321.2	514 376.1	1 107 237.7	524 476.5	1 107 153.9	534 576.8	1 107 069.8	544 677.5
104	05	1 098 377.8	4305.3	1 098 301.3	4405.6	1 098 224.4	4505.8	1 098 147.4	4606.3
112	10	89 434.5	4240.7	89 364.9	4340.8	89 295.0	4440.9	89 225.0	4541.3
120	15	80 491.1	4182.2	80 428.5	4282.2	80 365.6	4382.2	80 302.6	4482.5
	20	71 547.7	4129.9	71 492.1	4229.8	71 436.2	4329.6	71 380.2	4429.8
	25	62 604.4	4083.7	62 555.7	4183.5	62 506.8	4283.3	62 457.8	4383.4
	30	53 661.0	4043.7	53 619.3	4143.4	53 577.4	4243.1	53 535.4	4343.1
	35	44 717.5	4009.9	44 682.8	4109.5	44 647.8	4209.1	44 612.8	4309.1
	40	35 774.0	3982.1	35 746.2	4081.7	35 718.3	4181.3	35 690.3	4281.2
	45	26 830.5	3960.6	26 809.6	4060.2	26 788.7	4159.7	26 767.7	4259.6
73	50	17 887.0	3945.2	17 873.1	4044.7	17 859.1	4144.2	17 845.1	4244.1
81	55	08 943.5	3936.0	08 936.6	4035.5	08 929.6	4135.0	08 922.6	4234.8
89									
97	00	1 000 000.0	513 932.9	1 000 000.0	524 032.4	1 000 000.0	534 131.9	1 000 000.0	544 231.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 28° 15′.		Lat. 28° 20′.		Lat. 28° 25′.		Lat. 28° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000. 0	513 932. 9	1 000 000. 0	524 032. 4	1 000 000. 0	534 131. 9	1 000 000. 0	544 231. 7
105 05	991 056. 4	3936. 0	991 063. 4	4035. 5	991 070. 4	4135. 0	991 077. 4	4234. 8
113 10	82 113. 0	3945. 2	82 126. 9	4044. 7	82 140. 9	4144. 2	82 154. 9	4244. 1
121 15	73 169. 5	3960. 6	73 190. 4	4060. 2	73 211. 3	4159. 7	73 232. 3	4259. 6
20	64 226. 0	3982. 1	64 253. 8	4081. 7	64 281. 7	4181. 3	64 309. 7	4281. 2
25	55 282. 5	4009. 9	55 317. 2	4109. 5	55 352. 2	4209. 1	55 387. 2	4309. 1
30	46 339. 0	4043. 7	46 380. 7	4143. 4	46 422. 6	4243. 1	46 464. 6	4343. 1
35	37 395. 6	4083. 7	37 444. 3	4183. 5	37 493. 2	4283. 3	37 542. 2	4383. 4
40	28 452. 3	4129. 9	28 507. 9	4229. 8	28 563. 8	4329. 6	28 619. 8	4429. 8
45	19 508. 9	4182. 2	19 571. 5	4282. 2	19 634. 4	4382. 2	19 697. 4	4482. 5
74 50	10 565. 5	4240. 7	10 635. 1	4340. 8	10 705. 0	4440. 9	10 775. 0	4541. 3
82 55	901 622. 2	4305. 3	901 698. 7	4405. 6	901 775. 6	4505. 8	901 852. 6	4606. 3
90								
98 00	892 678. 8	514 376. 1	892 762. 3	524 476. 5	892 846. 1	534 576. 8	892 930. 2	544 677. 5
106 05	83 735. 6	4453. 1	83 826. 1	4553. 6	83 916. 9	4654. 1	84 007. 9	4754. 9
114 10	74 792. 4	4536. 2	74 889. 9	4636. 9	74 987. 7	4737. 5	75 085. 7	4838. 5
122 15	65 849. 3	4625. 5	65 953. 8	4726. 3	66 058. 6	4827. 1	66 163. 6	4928. 3
20	56 906. 3	4720. 9	57 017. 8	4821. 9	57 129. 5	4922. 9	57 241. 5	5024. 2
25	47 963. 4	4822. 5	48 081. 8	4923. 7	48 200. 5	5024. 9	48 319. 6	5126. 4
30	39 020. 5	4930. 2	39 145. 9	5031. 6	39 271. 5	5133. 0	39 397. 6	5234. 7
35	30 077. 7	5044. 1	30 210. 0	5145. 7	30 342. 7	5247. 3	30 475. 5	5349. 3
40	21 134. 9	5164. 1	21 274. 2	5266. 0	21 413. 9	5367. 8	21 553. 7	5470. 0
45	12 192. 3	5290. 3	12 338. 5	5392. 5	12 485. 2	5494. 5	12 632. 1	5596. 9
75 50	803 249. 7	5422. 7	803 402. 9	5525. 1	803 556. 6	5627. 4	803 710. 7	5730. 1
83 55	794 307. 3	5561. 2	794 467. 5	5663. 8	794 628. 1	5766. 4	794 789. 2	5869. 4
91								
99 00	785 364. 9	515 705. 9	785 532. 1	525 808. 8	785 699. 7	535 911. 7	785 867. 7	546 014. 9
107 05	76 422. 7	5856. 7	76 596. 8	5959. 9	76 771. 4	6063. 1	76 946. 4	6166. 6
115 10	67 480. 5	6013. 7	67 661. 6	6117. 2	67 843. 2	6220. 6	68 025. 2	6324. 4
123 15	58 538. 4	6176. 8	58 726. 5	6280. 7	58 915. 2	6384. 4	59 104. 2	6488. 5
20	49 596. 5	6346. 1	49 791. 5	6450. 3	49 987. 2	6554. 4	50 183. 2	6658. 8
25	40 654. 7	6521. 6	40 856. 7	6626. 1	41 059. 3	6730. 5	41 262. 3	6835. 3
30	31 713. 0	6703. 2	31 922. 0	6808. 0	32 131. 6	6912. 8	32 341. 7	7017. 9
35	22 771. 5	6890. 9	22 987. 4	6996. 1	23 204. 0	7101. 3	23 421. 1	7206. 7
40	13 830. 1	7084. 9	14 052. 9	7190. 4	14 276. 5	7295. 9	14 500. 6	7401. 8
45	704 888. 8	7284. 9	705 118. 6	7390. 9	705 349. 1	7496. 8	705 580. 3	7603. 0
76 50	695 947. 6	7491. 2	696 184. 4	7597. 5	696 421. 9	7703. 8	696 660. 1	7810. 4
84 55	87 006. 6	7703. 6	87 250. 4	7810. 3	87 494. 9	7917. 0	87 740. 1	8024. 0
92								
100 00	678 065. 7	517 922. 1	678 316. 5	528 029. 3	678 568. 0	538 136. 4	678 820. 1	548 243. 8
108 05	69 125. 0	8146. 8	69 382. 7	8254. 4	69 641. 3	8361. 9	69 900. 4	8469. 8
116 10	60 184. 5	8377. 7	60 449. 1	8485. 7	60 714. 7	8593. 7	60 980. 9	8702. 0
124 15	51 244. 1	8614. 7	51 515. 7	8723. 2	51 788. 2	8831. 6	52 061. 5	8940. 4
20	42 303. 8	8857. 8	42 582. 5	8966. 8	42 862. 0	9075. 7	43 142. 3	9185. 0
25	33 363. 7	9107. 2	33 649. 5	9216. 6	33 936. 0	9326. 0	34 223. 3	9435. 7
30	24 423. 8	9362. 6	24 716. 6	9472. 6	25 010. 1	9582. 4	25 304. 4	9692. 7
35	15 484. 1	9624. 3	15 783. 9	529 734. 8	16 084. 3	539 845. 1	16 385. 6	549 955. 8
40	606 544. 6	519 892. 1	606 851. 3	530 003. 1	607 158. 7	540 113. 9	607 467. 1	550 225. 1
45	597 605. 3	520 166. 0	597 918. 9	0277. 5	598 233. 4	0388. 9	598 548. 7	0500. 7
77 50	88 666. 1	0446. 1	88 986. 7	0558. 2	89 308. 2	0670. 1	89 630. 6	0782. 4
85 55	79 727. 2	0732. 4	80 054. 7	0845. 0	80 383. 3	0957. 4	80 712. 7	1070. 3
93								
101 00	570 788. 4	521 024. 8	571 123. 0	531 138. 0	571 458. 6	541 251. 0	571 794. 9	551 364. 4
109 05	61 849. 9	1323. 4	62 191. 4	1437. 1	62 534. 0	1550. 7	62 877. 4	1664. 7
117 10	52 911. 5	1628. 1	53 260. 0	1742. 4	53 609. 6	1856. 6	53 960. 0	1971. 2
125 15	43 973. 4	1939. 0	44 328. 9	2053. 9	44 685. 5	2168. 7	45 042. 9	2283. 8
20	35 035. 5	2256. 0	35 398. 0	2371. 6	35 761. 5	2486. 9	36 126. 0	2602. 7
25	26 097. 8	2579. 2	26 467. 3	2695. 4	26 837. 8	2811. 4	27 209. 3	2927. 8
30	517 160. 3	522 908. 6	517 536. 8	533 025. 4	517 914. 4	543 142. 0	518 293. 0	553 259. 0

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 28° 30′.		Lat. 28° 35′.		Lat. 28° 40′.		Lat. 28° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 481 707.0	553 259.0	1 481 327.7	563 375.8	1 480 947.0	573 492.8	1 480 565.4	583 609.8
100 35	72 790.7	2927.8	72 418.2	3043.9	72 044.7	3160.3	71 670.1	3276.7
108 40	63 874.0	2602.7	63 508.6	2718.2	63 142.1	2834.0	62 774.7	2949.8
116 45	54 957.1	2283.8	54 598.8	2398.8	54 239.3	2514.1	53 879.0	2629.1
69 50	46 040.0	1971.2	45 688.7	2085.5	45 336.3	2200.1	44 983.1	2314.7
77 55	37 122.6	1664.7	36 778.4	1778.5	36 433.1	1892.5	36 086.9	2006.5
85								
93 00	1 428 205.1	551 364.4	1 427 867.9	561 477.6	1 427 529.6	571 591.0	1 427 190.6	581 704.5
101 05	19 287.3	1070.3	18 957.2	1183.0	18 626.0	1295.8	18 294.0	1408.7
109 10	10 369.4	0782.4	10 046.3	0894.5	09 722.2	1006.8	09 397.3	1119.2
117 15	1 401 451.3	0500.7	1 401 135.2	0612.3	1 400 818.2	0724.1	1 400 500.3	0835.9
20	1 392 532.9	550 225.1	1 392 223.9	0336.2	1 391 914.0	0447.5	1 391 603.1	0558.8
25	83 614.4	549 955.8	83 312.4	560 066.4	83 009.5	570 177.2	82 705.8	0288.0
30	74 695.6	9692.7	74 400.7	559 802.9	74 104.8	569 913.0	73 808.2	580 023.3
35	65 776.7	9435.7	65 488.8	9545.3	65 200.0	9655.1	64 910.4	579 764.9
40	56 857.7	9185.0	56 576.8	9294.1	56 295.1	9403.4	56 012.5	9512.8
45	47 938.5	8940.4	47 664.6	9049.0	47 390.0	9157.9	47 114.5	9266.8
70 50	39 019.1	8702.0	38 752.3	8810.2	38 484.7	8918.6	38 216.3	9027.1
78 55	30 099.6	8469.8	29 839.8	8577.6	29 579.2	8685.6	29 317.9	8793.6
86								
94 00	1 321 179.9	548 243.8	1 320 927.1	558 351.2	1 320 673.5	568 458.7	1 320 419.3	578 566.3
102 05	12 259.9	8024.0	12 014.2	8131.0	11 767.7	8238.1	11 520.6	8345.3
110 10	1 303 339.9	7810.4	1 303 101.2	7917.0	1 302 861.7	8023.7	1 302 621.7	8130.5
118 15	1 294 419.7	7603.0	1 294 188.0	7709.1	1 293 955.6	7815.5	1 293 722.6	7921.9
20	85 499.4	7401.8	85 274.7	7507.5	85 049.4	7613.5	84 823.4	7719.5
25	76 578.9	7206.7	76 361.3	7312.1	76 143.0	7417.8	75 924.1	7523.4
30	67 658.3	7017.9	67 447.7	7122.9	67 236.5	7228.2	67 024.7	7333.5
35	58 737.7	6835.3	58 534.0	6939.9	58 329.9	7044.9	58 125.1	7149.8
40	49 816.8	6658.8	49 620.2	6763.2	49 423.1	6867.7	49 225.4	6972.4
45	40 895.8	6488.5	40 706.2	6592.6	40 516.2	6696.8	40 325.6	6801.1
71 50	31 974.8	6324.4	31 792.2	6428.2	31 609.2	6532.1	31 425.6	6636.1
79 55	23 053.6	6166.6	22 878.1	6270.0	22 702.1	6373.7	22 525.5	6477.4
87								
95 00	1 214 132.3	546 014.9	1 213 963.8	556 118.0	1 213 794.8	566 221.4	1 213 625.4	576 324.8
103 05	1 205 210.8	5809.4	1 205 049.4	5972.2	1 204 887.4	6075.3	1 204 725.1	6178.5
111 10	1 196 289.3	5730.1	1 196 134.9	5832.7	1 195 980.0	5935.5	1 195 824.8	6038.4
119 15	87 367.9	5596.9	87 220.3	5699.3	87 072.5	5801.9	86 924.2	5904.5
20	78 446.3	5470.0	78 305.7	5572.1	78 164.9	5674.5	78 023.7	5776.9
25	69 524.5	5349.3	69 390.9	5451.2	69 257.2	5553.3	69 123.0	5655.5
30	60 602.4	5234.7	60 476.1	5336.4	60 349.4	5438.3	60 222.3	5540.3
35	51 680.4	5126.4	51 561.2	5227.9	51 441.5	5329.6	51 321.5	5431.3
40	42 758.5	5024.2	42 646.2	5125.5	42 533.6	5227.0	42 420.6	5328.6
45	33 836.4	4928.3	33 731.1	5029.4	33 625.6	5130.7	33 519.7	5232.1
72 50	24 914.3	4838.5	24 816.0	4939.4	24 717.5	5040.6	24 618.7	5141.8
80 55	15 992.1	4754.9	15 900.8	4855.7	15 809.4	4956.7	15 717.6	5057.7
88								
96 00	1 107 069.8	544 677.5	1 106 985.6	554 778.1	1 106 901.2	564 879.0	1 106 816.5	574 979.9
104 05	1 098 147.4	4606.3	1 098 070.2	4706.8	1 097 992.8	4807.5	1 097 915.2	4908.3
112 10	89 225.0	4541.3	89 154.8	4641.7	89 084.5	4742.2	89 013.9	4842.9
120 15	80 302.6	4482.5	80 239.5	4582.7	80 176.1	4683.2	80 112.6	4783.8
20	71 380.2	4429.8	71 324.1	4530.0	71 267.7	4630.4	71 211.3	4730.8
25	62 457.8	4383.4	62 408.7	4483.5	62 359.4	4583.8	62 310.0	4684.1
30	53 535.4	4343.1	53 493.3	4443.1	53 451.0	4543.4	53 408.7	4643.7
35	44 612.8	4309.1	44 577.7	4409.0	44 542.5	4509.2	44 507.3	4609.4
40	35 690.3	4281.2	35 662.2	4381.1	35 634.0	4481.2	35 605.8	4581.4
45	26 767.7	4259.6	26 746.6	4359.4	26 725.5	4459.5	26 704.4	4559.6
73 50	17 845.1	4244.1	17 831.1	4343.9	17 817.0	4443.9	17 802.9	4544.0
81 55	08 922.6	4234.8	08 915.5	4334.6	08 908.5	4434.6	08 901.5	4534.7
89								
97 00	1 000 000.0	544 231.7	1 000 000.0	554 331.5	1 000 000.0	564 431.5	1 000 000.0	574 531.6
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 28° 30′.		Lat. 28° 35′.		Lat. 28° 40′.		Lat. 28° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	544 231.7	1 000 000.0	554 331.5	1 000 000.0	564 431.5	1 000 000.0	574 531.6
105	05	991 077.4	4234.8	991 084.5	4334.6	991 091.5	4434.6	991 098.5	4534.7
113	10	82 154.9	4244.1	82 168.9	4343.9	82 183.0	4443.9	82 197.1	4544.0
121	15	73 232.3	4259.6	73 253.4	4359.4	73 274.5	4459.5	73 295.6	4559.6
	20	64 309.7	4281.2	64 337.8	4381.1	64 366.0	4481.2	64 394.2	4581.4
	25	55 387.2	4309.1	55 422.3	4409.0	55 457.5	4509.2	55 492.7	4609.4
	30	46 464.6	4343.1	46 506.7	4443.1	46 549.0	4543.4	46 591.3	4643.7
	35	37 542.2	4383.4	37 591.3	4483.5	37 640.6	4583.8	37 690.0	4684.1
	40	28 619.8	4429.8	28 675.9	4530.0	28 732.3	4630.4	28 788.7	4730.8
	45	19 697.4	4482.5	19 760.5	4582.7	19 823.9	4683.2	19 887.4	4783.8
74	50	10 775.0	4541.3	10 845.2	4641.7	10 915.5	4742.2	10 986.1	4842.9
82	55	901 852.6	4606.3	901 929.8	4706.8	902 007.2	4807.5	902 084.8	4908.3
90									
98	00	892 930.2	544 677.5	893 014.4	554 778.1	893 098.8	564 879.0	893 183.5	574 979.9
106	05	84 007.9	4754.9	84 099.2	4855.7	84 190.6	4956.7	84 282.4	5057.7
114	10	75 085.7	4838.5	75 184.0	4939.4	75 282.5	5040.6	75 381.3	5141.8
122	15	66 163.6	4928.3	66 268.9	5029.4	66 374.4	5130.7	66 480.3	5232.1
	20	57 241.5	5024.2	57 353.8	5125.5	57 466.4	5227.0	57 579.4	5328.6
	25	48 319.6	5126.4	48 438.8	5227.9	48 558.5	5329.6	48 678.5	5431.3
	30	39 397.6	5234.7	39 523.9	5336.4	39 650.6	5438.3	39 777.7	5540.3
	35	30 475.5	5349.3	30 609.1	5451.2	30 742.8	5553.3	30 877.0	5655.5
	40	21 553.7	5470.0	21 694.3	5572.1	21 835.1	5674.5	21 976.3	5776.9
	45	12 632.1	5596.9	12 779.7	5699.3	12 927.5	5801.9	13 075.8	5904.5
75	50	803 710.7	5730.1	803 865.1	5832.7	804 020.0	5935.5	804 175.2	6038.4
83	55	794 789.2	5869.4	794 950.6	5972.2	795 112.6	6075.3	795 274.9	6178.5
91									
99	00	785 867.7	546 014.9	786 036.2	556 118.0	786 205.2	566 221.4	786 374.6	576 324.8
107	05	76 946.4	6166.6	77 121.9	6270.0	77 297.9	6373.7	77 474.5	6477.4
115	10	68 025.2	6324.4	68 207.8	6428.2	68 390.8	6532.1	68 574.4	6636.1
123	15	59 104.2	6488.5	59 293.8	6592.6	59 483.8	6696.8	59 674.4	6801.1
	20	50 183.2	6658.8	50 379.8	6763.2	50 576.9	6867.7	50 774.6	6972.4
	25	41 262.3	6835.3	41 466.0	6939.9	41 670.1	7044.9	41 874.9	7149.8
	30	32 341.7	7017.9	32 552.3	7122.9	32 763.5	7228.2	32 975.3	7333.5
	35	23 421.1	7206.7	23 638.7	7312.1	23 857.0	7417.8	24 075.9	7523.4
	40	14 500.6	7401.8	14 725.3	7507.5	14 950.6	7613.5	15 176.6	7719.5
	45	705 580.3	7603.0	705 812.0	7709.1	706 044.4	7815.5	706 277.4	7921.9
76	50	696 660.1	7810.4	696 898.8	7917.0	697 138.3	8023.7	697 378.3	8130.5
84	55	87 740.1	8024.0	87 985.8	8131.0	88 232.3	8238.1	88 479.4	8345.3
92									
100	00	678 820.1	548 243.8	679 072.9	558 351.2	679 326.5	568 458.7	679 580.7	578 566.3
108	05	69 900.4	8469.8	70 160.2	8577.6	70 420.8	8685.6	70 682.1	8793.6
116	10	60 980.9	8702.0	61 247.7	8810.2	61 515.3	8918.6	61 783.7	9027.1
124	15	52 061.5	8940.4	52 335.4	9049.0	52 610.0	9157.9	52 885.5	9266.8
	20	43 142.3	9185.0	43 423.2	9294.1	43 704.9	9403.4	43 987.5	9512.8
	25	34 223.3	9435.7	34 511.2	9545.3	34 800.0	9655.1	35 089.6	579 764.9
	30	25 304.4	9692.7	25 599.3	559 802.9	25 895.2	569 913.0	26 191.8	580 023.3
	35	16 385.6	549 955.8	16 687.6	560 066.4	16 990.5	570 177.2	17 294.2	0288.0
	40	607 467.1	550 225.1	607 776.1	0336.2	608 086.0	0447.5	608 396.9	0558.8
	45	598 548.7	0500.7	598 864.8	0612.3	599 181.8	0724.1	599 499.7	0835.9
77	50	89 630.6	0782.4	89 953.7	0894.5	90 277.8	1006.8	90 602.7	1119.2
85	55	80 712.7	1070.3	81 042.8	1183.0	81 374.0	1295.8	81 706.0	1408.7
93									
101	00	571 794.9	551 364.4	572 132.1	561 477.6	572 470.4	571 591.0	572 809.4	581 704.5
109	05	62 877.4	1664.7	63 221.6	1778.5	63 566.9	1892.5	63 913.1	2006.5
117	10	53 960.0	1971.2	54 311.3	2085.5	54 663.7	2200.1	55 016.9	2314.7
125	15	45 042.9	2283.8	45 401.2	2398.8	45 760.7	2514.1	46 121.0	2629.1
	20	36 126.0	2602.7	36 491.4	2718.2	36 857.8	2834.0	37 225.3	2949.8
	25	27 209.3	2927.8	27 581.8	3043.9	27 955.3	3160.3	28 329.9	3276.7
	30	518 293.0	553 259.0	518 672.3	563 375.8	519 053.0	573 492.8	519 434.6	583 609.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 28° 45′.		Lat. 28° 50′.		Lat. 28° 55′.		Lat. 29° 00′	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 480 565.4	583 609.8	1 480 182.8	593 726.8	1 479 799.4	603 844.0	1 479 414.7	613 961.2
100	35	71 670.1	3276.7	71 294.7	3393.1	70 918.4	3509.6	70 540.7	3626.2
108	40	62 774.7	2949.8	62 406.3	3065.6	62 037.1	3181.5	61 666.6	3297.5
116	45	53 879.0	2629.1	53 517.7	2744.3	53 155.6	2859.7	52 792.3	2975.1
69	50	44 983.1	2314.7	44 628.9	2429.3	44 273.9	2544.1	43 917.8	2658.9
77	55	36 086.9	2006.5	35 739.8	2120.5	35 392.0	2234.8	35 043.0	2349.0
85									
93	00	1 427 190.6	581 704.5	1 426 850.6	591 818.0	1 426 509.8	601 931.7	1 426 168.0	612 045.4
101	05	18 294.0	1408.7	17 961.2	1521.7	17 627.5	1634.8	17 292.8	1748.0
109	10	09 397.3	1119.2	09 071.5	1231.6	1 408 745.0	1344.2	1 408 417.4	1456.8
117	15	1 400 500.3	0835.9	1 400 181.6	0947.8	1 399 862.2	1059.9	1 399 541.7	1172.0
	20	1 391 603.1	0558.8	1 391 291.5	0670.2	90 979.2	0781.8	90 665.9	0893.4
	25	82 705.8	0288.0	82 401.2	0398.8	82 096.0	0509.9	81 789.9	0621.0
	30	73 808.2	580 023.3	73 510.8	590 133.7	73 212.7	600 244.3	72 913.7	0354.9
	35	64 910.4	579 764.9	64 620.2	589 874.8	64 329.2	599 985.0	64 037.3	610 095.1
	40	56 012.5	9512.8	55 729.4	9622.2	55 445.5	9731.9	55 160.7	609 841.5
	45	47 114.5	9266.8	46 838.4	9375.8	46 561.7	9485.0	46 284.0	9594.2
70	50	38 216.3	9027.1	37 947.2	9135.6	37 677.7	9244.4	37 407.1	9353.2
78	55	29 317.9	8793.6	29 055.9	8901.7	28 793.4	9010.0	28 530.0	9118.4
86									
94	00	1 320 419.3	578 566.3	1 320 164.4	588 674.0	1 319 909.0	598 781.9	1 319 652.7	608 889.9
102	05	11 520.6	8345.3	11 272.8	8452.6	11 024.5	8560.1	10 775.3	8667.6
110	10	1 302 621.7	8130.5	1 302 381.0	8237.4	1 302 139.8	8344.5	1 301 897.7	8451.6
118	15	1 293 722.6	7921.9	1 293 489.0	8028.4	1 293 254.9	8135.1	1 293 020.0	8241.9
	20	84 823.4	7719.5	84 596.9	7825.6	84 369.9	7932.0	84 142.1	8038.4
	25	75 924.1	7523.4	75 704.7	7629.1	75 484.8	7735.2	75 264.1	7841.2
	30	67 024.7	7333.5	66 812.4	7438.9	66 599.6	7544.5	66 386.0	7650.2
	35	58 125.1	7149.8	57 919.9	7254.9	57 714.2	7360.2	57 507.8	7465.5
	40	49 225.4	6972.4	49 027.3	7077.1	48 828.6	7182.1	48 629.4	7287.1
	45	40 325.6	6801.1	40 134.5	6905.5	39 942.9	7010.2	39 750.9	7114.9
71	50	31 425.6	6636.1	31 241.6	6740.2	31 057.2	6844.6	30 872.2	6949.0
79	55	22 525.5	6477.4	22 348.7	6581.2	22 171.3	6685.2	21 993.4	6789.3
87									
95	00	1 213 625.4	576 324.8	1 213 455.6	586 428.3	1 213 285.3	596 532.1	1 213 114.5	606 635.9
103	05	1 204 725.1	6178.5	1 204 562.4	6281.7	1 204 399.2	6385.3	1 204 235.5	6488.8
111	10	1 195 824.8	6038.4	1 195 669.1	6141.4	1 195 513.0	6244.7	1 195 356.4	6347.9
119	15	86 924.2	5904.5	86 775.7	6007.3	86 626.7	6110.3	86 477.2	6213.3
	20	78 023.7	5776.9	77 882.3	5879.4	77 740.4	5982.2	77 598.0	6085.0
	25	69 123.0	5655.5	68 988.6	5757.7	68 853.8	5860.3	68 718.6	5962.9
	30	60 222.3	5540.3	60 095.0	5642.3	59 967.3	5744.7	59 839.2	5847.1
	35	51 321.5	5431.3	51 201.2	5533.2	51 080.6	5635.3	50 959.6	5737.5
	40	42 420.6	5328.6	42 307.4	5430.3	42 193.9	5532.2	42 080.1	5634.2
	45	33 519.7	5232.1	33 413.5	5333.6	33 307.1	5435.4	33 200.4	5537.2
72	50	24 618.7	5141.8	24 519.6	5243.1	24 420.3	5344.7	24 320.7	5446.4
80	55	15 717.6	5057.7	15 625.6	5158.9	15 533.4	5260.4	15 440.9	5361.8
88									
96	00	1 106 816.5	574 979.9	1 106 731.5	585 080.9	1 106 646.4	595 182.3	1 106 561.1	605 283.6
104	05	1 097 915.2	4908.3	1 097 837.4	5009.2	1 097 759.3	5110.4	1 097 681.1	5211.6
112	10	89 013.9	4842.9	88 943.2	4943.7	88 872.2	5044.8	88 801.1	5145.8
120	15	80 112.6	4783.8	80 048.9	4884.4	79 985.0	4985.4	79 921.0	5086.4
	20	71 211.3	4730.8	71 154.7	4831.4	71 097.9	4932.3	71 041.0	5033.1
	25	62 310.0	4684.1	62 260.5	4784.6	62 210.8	4885.4	62 161.0	4986.2
	30	53 408.7	4643.7	53 366.2	4744.1	53 323.7	4844.8	53 281.0	4945.5
	35	44 507.3	4609.4	44 471.8	4709.8	44 436.5	4810.4	44 400.8	4911.1
	40	35 605.8	4581.4	35 577.5	4681.7	35 549.2	4782.3	35 520.7	4882.9
	45	26 704.4	4559.6	26 683.1	4659.9	26 661.9	4760.4	26 640.5	4861.0
73	50	17 802.9	4544.0	17 788.7	4644.3	17 774.6	4744.8	17 760.3	4845.3
81	55	08 901.5	4534.7	08 894.4	4634.9	08 887.3	4735.4	08 880.2	4835.9
89									
97	00	1 000 000.0	574 531.6	1 000 000.0	584 631.8	1 000 000.0	594 732.3	1 000 000.0	604 832.8
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 28° 45′.		Lat. 28° 50′.		Lat. 28° 55′.		Lat. 29° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	574 531.6	1 000 000.0	584 631.8	1 000 000.0	594 732.3	1 000 000.0	604 832.8
105 05	991 098.5	4534.7	991 105.6	4634.9	991 112.7	4735.4	991 119.8	4835.9
113 10	82 197.1	4544.0	82 211.3	4644.3	82 225.4	4744.8	82 239.7	4845.3
121 15	73 295.6	4559.6	73 316.9	4659.9	73 338.1	4760.4	73 359.5	4861.0
20	64 394.2	4581.4	64 422.5	4681.7	64 450.8	4782.3	64 479.3	4882.9
25	55 492.7	4609.4	55 528.2	4709.8	55 563.5	4810.4	55 599.2	4911.1
30	46 591.3	4643.7	46 633.8	4744.1	46 676.3	4844.8	46 719.0	4945.5
35	37 690.0	4684.1	37 739.5	4784.6	37 789.2	4885.4	37 839.0	4986.2
40	28 788.7	4730.8	28 845.3	4831.4	28 902.1	4932.3	28 959.0	5033.1
45	19 887.4	4783.8	19 951.1	4884.4	20 015.0	4985.4	20 079.0	5086.4
74 50	10 986.1	4842.9	11 056.8	4943.7	11 127.8	5044.8	11 198.9	5145.8
82 55	902 084.8	4908.3	902 162.6	5009.2	902 240.7	5110.4	902 318.9	5211.6
90								
98 00	893 183.5	574 979.9	893 268.5	585 080.9	893 353.6	595 182.3	893 438.9	605 283.6
106 05	84 282.4	5057.7	84 374.4	5158.9	84 466.6	5260.4	84 559.1	5361.8
114 10	75 381.3	5141.8	75 480.4	5243.1	75 579.7	5344.7	75 679.3	5446.4
122 15	66 480.3	5232.1	66 586.5	5333.6	66 692.9	5435.4	66 799.6	5537.2
20	57 579.4	5328.6	57 692.6	5430.3	57 806.1	5532.2	57 919.9	5634.2
25	48 678.5	5431.3	48 798.8	5533.2	48 919.4	5635.3	49 040.4	5737.5
30	39 777.7	5540.3	39 905.0	5642.3	40 032.7	5744.7	40 160.8	5847.1
35	30 877.0	5655.5	31 011.4	5757.7	31 146.2	5860.3	31 281.4	5962.9
40	21 976.3	5776.9	22 117.7	5879.4	22 259.6	5982.2	22 402.0	6085.0
45	13 075.8	5904.5	13 224.3	6007.3	13 373.3	6110.3	13 522.8	6213.3
75 50	804 175.2	6038.4	804 330.9	6141.4	804 487.0	6244.7	804 643.6	6347.9
83 55	795 274.9	6178.5	795 437.6	6281.7	795 600.8	6385.3	795 764.5	6488.8
91								
99 00	786 374.6	576 324.8	786 544.4	586 428.3	786 714.7	596 532.1	786 885.5	606 635.9
107 05	77 474.5	6477.4	77 651.3	6581.2	77 828.7	6685.2	78 006.6	6789.3
115 10	68 574.4	6636.1	68 758.4	6740.2	68 942.8	6844.6	69 127.8	6949.0
123 15	59 674.4	6801.1	59 865.5	6905.5	60 057.1	7010.2	60 249.1	7114.9
20	50 774.6	6972.4	50 972.7	7077.1	51 171.4	7182.1	51 370.6	7287.1
25	41 874.9	7149.8	42 080.1	7254.9	42 285.8	7360.2	42 492.2	7465.5
30	32 975.3	7333.5	33 187.6	7438.9	33 400.4	7544.5	33 614.0	7650.2
35	24 075.9	7523.4	24 295.3	7629.1	24 515.2	7735.2	24 735.9	7841.2
40	15 176.6	7719.5	15 403.1	7825.6	15 630.1	7932.0	15 857.9	8038.4
45	706 277.4	7921.9	706 511.0	8028.4	706 745.1	8135.1	706 980.0	8241.9
76 50	697 378.3	8130.5	697 619.0	8237.4	697 860.2	8344.5	698 102.3	8451.6
84 55	88 479.4	8345.3	88 727.2	8452.6	88 975.5	8560.1	89 224.7	8667.6
92								
100 00	679 580.7	578 566.3	679 835.6	588 674.0	680 091.0	598 781.9	680 347.3	608 889.9
108 05	70 682.1	8793.6	70 944.1	8901.7	71 206.6	9010.0	71 470.0	9118.4
116 10	61 783.7	9027.1	62 052.8	9135.6	62 322.3	9244.4	62 592.9	9353.2
124 15	52 885.5	9266.8	53 161.6	9375.8	53 438.3	9485.0	53 716.0	9594.2
20	43 987.5	9512.8	44 270.6	9622.2	44 554.5	9731.9	44 839.3	609 841.5
25	35 089.6	579 764.9	35 379.8	589 874.8	35 670.8	599 985.0	35 962.7	610 095.1
30	26 191.8	580 023.3	26 489.2	590 133.7	26 787.3	600 244.3	27 086.3	0354.9
35	17 294.2	0288.0	17 598.8	0398.8	17 904.0	0509.9	18 210.1	0621.0
40	608 396.9	0558.8	608 708.5	0670.2	09 020.8	0781.8	09 334.1	0893.4
45	599 499.7	0835.9	599 818.4	0947.8	600 137.8	1059.9	600 458.3	1172.0
77 50	90 602.7	1119.2	90 928.5	1231.6	591 255.0	1344.2	591 582.6	1456.8
85 55	81 706.0	1408.7	82 038.8	1521.7	82 372.5	1634.8	82 707.2	1748.0
93								
101 00	572 809.4	581 704.5	573 149.4	591 818.0	573 490.2	601 931.7	573 832.0	612 045.4
109 05	63 913.1	2006.5	64 260.2	2120.5	64 608.0	2234.8	64 957.0	2349.0
117 10	55 016.9	2314.7	55 371.1	2429.3	55 726.1	2544.1	56 082.2	2658.9
125 15	46 121.0	2629.1	46 482.3	2744.3	46 844.4	2859.7	47 207.7	2975.1
20	37 225.3	2949.8	37 593.7	3065.6	37 962.9	3181.5	38 333.4	3297.5
25	28 329.9	3276.7	28 705.3	3393.1	29 081.6	3509.6	29 459.3	3626.2
30	519 434.6	583 609.8	519 817.2	593 726.8	520 200.6	603 844.0	520 585.3	613 961.2

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 00′.		Lat. 29° 05′.		Lat. 29° 10′.		Lat. 29° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 479 414.7	613 961.2	1 479 029.0	624 078.4	1 478 642.4	634 195.6	1 478 254.6	644 312.9
100	35	70 540.7	3626.2	70 162.3	3742.8	69 782.9	3859.4	69 402.3	3976.1
108	40	61 666.6	3297.5	61 295.4	3413.5	60 923.1	3529.5	60 549.8	3645.6
116	45	52 792.3	2975.1	52 428.2	3090.5	52 063.1	3205.9	51 697.0	3321.5
69	50	43 917.8	2658.9	43 560.8	2773.8	43 203.0	2888.6	42 844.0	3003.6
77	55	35 043.0	2349.0	34 693.2	2463.3	34 342.4	2577.6	33 990.7	2692.0
85									
93	00	1 426 168.0	612 045.4	1 425 825.3	622 159.1	1 425 481.8	632 272.8	1 425 137.2	642 386.7
101	05	17 292.8	1748.0	16 957.2	1861.1	16 620.9	1974.3	16 283.5	2087.7
109	10	1 408 417.4	1456.8	1 408 089.0	1569.5	1 407 759.8	1682.2	1 407 429.6	1795.0
117	15	1 399 541.7	1172.0	1 399 220.6	1284.1	1 398 898.5	1396.3	1 398 575.5	1508.5
	20	90 665.9	0893.4	90 351.9	1005.0	90 037.0	1116.6	89 721.2	1228.4
	25	81 789.9	0621.0	81 483.0	0732.1	81 175.3	0843.3	80 866.7	0954.6
	30	72 913.7	0354.9	72 613.9	0465.6	72 313.4	0576.2	72 012.0	0687.1
	35	64 037.3	610 095.1	63 744.6	620 205.3	63 451.2	0315.4	63 157.1	0425.8
	40	55 160.7	609 841.5	54 875.2	619 951.2	54 588.9	630 061.0	54 302.0	640 170.9
	45	46 284.0	9594.2	46 005.7	9703.5	45 726.6	629 812.8	45 446.8	639 922.2
70	50	37 407.1	9353.2	37 135.9	9462.0	36 864.1	9570.9	36 591.4	9679.9
78	55	28 530.0	9118.4	28 265.9	9226.8	28 001.3	9335.2	27 735.8	9443.8
86									
94	00	1 319 652.7	608 889.9	1 319 395.8	618 997.8	1 319 138.3	629 105.9	1 318 880.0	639 214.1
102	05	10 775.3	8667.6	10 525.5	8775.2	10 275.2	8882.8	10 024.1	8990.6
110	10	1 301 897.7	8451.6	1 301 655.1	8558.8	1 301 411.9	8666.0	1 301 168.0	8773.4
118	15	1 293 020.0	8241.9	1 292 784.5	8348.6	1 292 548.5	8455.5	1 292 311.7	8562.5
	20	84 142.1	8038.4	83 913.8	8144.8	83 684.9	8251.3	83 455.3	8358.0
	25	75 264.1	7841.2	75 042.9	7947.2	74 821.2	8053.4	74 598.8	8159.7
	30	66 386.0	7650.2	66 171.9	7755.9	65 957.4	7861.7	65 742.2	7967.7
	35	57 507.8	7465.5	57 300.8	7570.9	57 093.4	7676.4	56 885.4	7782.0
	40	48 629.4	7287.1	48 429.6	7392.1	48 229.3	7497.3	48 028.5	7602.6
	45	39 750.9	7114.9	39 558.2	7219.7	39 365.1	7324.5	39 171.4	7429.5
71	50	30 872.2	6949.0	30 686.7	7053.4	30 500.8	7158.0	30 314.2	7262.7
79	55	21 993.4	6789.3	21 815.1	6893.5	21 636.3	6997.7	21 456.9	7102.1
87									
95	00	1 213 114.5	606 635.9	1 212 943.3	616 739.8	1 212 771.7	626 843.8	1 212 599.5	636 947.9
103	05	1 204 235.5	6488.8	1 204 071.4	6592.4	1 203 906.8	6696.1	1 203 741.9	6800.0
111	10	1 195 356.4	6347.9	1 195 199.5	6451.3	1 195 041.8	6554.7	1 194 884.3	6658.4
119	15	86 477.2	6213.3	86 327.4	6316.4	86 176.9	6419.6	86 026.6	6523.0
	20	77 598.0	6085.0	77 455.3	6187.9	77 312.0	6290.8	77 168.8	6394.0
	25	68 718.6	5962.9	68 583.0	6065.5	68 447.0	6168.3	68 310.9	6271.2
	30	59 839.2	5847.1	59 710.8	5949.5	59 582.1	6052.0	59 453.0	6154.8
	35	50 959.6	5737.5	50 838.4	5839.7	50 716.7	5942.1	50 595.0	6044.6
	40	42 080.1	5634.2	41 966.0	5736.3	41 851.3	5838.4	41 736.9	5940.7
	45	33 200.4	5537.2	33 093.4	5639.0	32 985.9	5741.0	32 878.6	5843.2
72	50	24 320.7	5446.4	24 220.9	5548.1	24 120.5	5649.9	24 020.4	5751.9
80	55	15 440.9	5361.8	15 348.2	5463.4	15 255.1	5565.1	1 115 162.0	5666.9
88									
96	00	1 106 561.1	605 283.6	1 106 475.5	615 385.0	1 106 389.7	625 486.5	1 106 303.6	635 588.2
104	05	1 097 681.1	5211.6	1 097 602.6	5312.9	1 097 524.0	5414.3	1 097 445.0	5515.8
112	10	88 801.1	5145.8	88 729.7	5247.0	88 658.2	5348.3	88 586.5	5449.7
120	15	79 921.0	5086.4	79 856.8	5187.4	79 792.5	5288.6	79 728.0	5389.9
	20	71 041.0	5033.1	70 984.0	5134.1	70 926.8	5235.2	70 869.4	5336.4
	25	62 161.0	4986.2	62 111.1	5087.1	62 061.0	5188.0	62 010.8	5289.2
	30	53 281.0	4945.5	53 238.2	5046.3	53 195.3	5147.2	53 152.3	5248.3
	35	44 400.8	4911.1	44 365.2	5011.8	44 329.4	5112.6	44 293.6	5213.7
	40	35 520.7	4882.9	35 492.1	4983.6	35 463.5	5084.4	35 434.9	5185.4
	45	26 640.5	4861.0	26 619.1	4961.6	26 597.6	5062.4	26 576.1	5163.3
73	50	17 760.3	4845.3	17 746.1	4945.9	17 731.8	5046.7	17 717.4	5147.6
81	55	08 880.2	4835.9	08 873.0	4936.5	08 865.9	5037.2	08 858.7	5138.1
89									
97	00	1 000 000.0	604 832.8	1 000 000.0	614 933.4	1 000 000.0	625 034.1	1 000 000.0	635 135.0
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 00′.		Lat. 29° 05′.		Lat. 29° 10′.		Lat. 29° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	604 832.8	1 000 000.0	614 933.4	1 000 000.0	625 034.1	1 000 000.0	635 135.0
105	05	991 119.8	4835.9	991 127.0	4936.5	991 134.1	5037.2	991 141.3	5138.1
113	10	82 239.7	4845.3	82 253.9	4945.9	82 268.2	5046.7	82 282.6	5147.6
121	15	73 359.5	4861.0	73 380.9	4961.6	73 402.4	5062.4	73 423.9	5163.3
	20	64 479.3	4882.9	64 507.9	4983.6	64 536.5	5084.4	64 565.1	5185.4
	25	55 599.2	4911.1	55 634.8	5011.8	55 670.6	5112.6	55 706.4	5213.7
	30	46 719.0	4945.5	46 761.8	5046.3	46 804.7	5147.2	46 847.7	5248.3
	35	37 839.0	4986.2	37 888.9	5087.1	37 939.0	5188.0	37 989.2	5289.2
	40	28 959.0	5033.1	29 016.0	5134.1	29 073.2	5235.2	29 130.6	5336.4
	45	20 079.0	5086.4	20 143.2	5187.4	20 207.5	5288.6	20 272.0	5389.9
74	50	11 198.9	5145.8	11 270.3	5247.0	11 341.8	5348.3	11 413.5	5449.7
82	55	902 318.9	5211.6	902 397.4	5312.9	902 476.0	5414.3	902 555.0	5515.8
90									
98	00	893 438.9	605 283.6	893 524.5	615 385.0	893 610.3	625 486.5	893 696.4	635 588.2
106	05	84 559.1	5361.8	84 651.8	5463.4	84 744.9	5565.1	84 838.0	5666.9
114	10	75 679.3	5446.4	75 779.1	5548.1	75 879.5	5649.9	75 979.6	5751.9
122	15	66 799.6	5537.2	66 906.6	5639.0	67 014.1	5741.0	67 121.4	5843.2
	20	57 919.9	5634.2	58 034.0	5736.3	58 148.7	5838.4	58 263.1	5940.7
	25	49 040.4	5737.5	49 161.6	5839.7	49 283.3	5942.1	49 405.0	6044.6
	30	40 160.8	5847.1	40 289.2	5949.5	40 417.9	6052.0	40 547.0	6154.8
	35	31 281.4	5962.9	31 417.0	6065.5	31 553.0	6168.3	31 689.1	6271.2
	40	22 402.0	6085.0	22 544.7	6187.9	22 688.0	6290.8	22 831.2	6394.0
	45	13 522.8	6213.3	13 672.6	6316.4	13 823.1	6419.6	13 973.4	6523.0
75	50	804 643.6	6347.9	804 800.5	6451.3	804 958.2	6554.7	805 115.7	6658.4
83	55	795 764.5	6488.8	795 928.6	6592.4	796 093.2	6696.1	796 258.1	6800.0
91									
99	00	786 885.5	606 635.9	787 056.7	616 739.8	787 228.3	626 843.8	787 400.5	636 947.9
107	05	78 006.6	6789.3	78 184.9	6893.5	78 363.7	6997.7	78 543.1	7102.1
115	10	69 127.8	6949.0	69 313.3	7053.4	69 499.2	7158.0	69 685.8	7262.7
123	15	60 249.1	7114.9	60 441.8	7219.7	60 634.9	7324.5	60 828.6	7429.5
	20	51 370.6	7287.1	51 570.4	7392.1	51 770.7	7497.3	51 971.5	7602.6
	25	42 492.2	7465.5	42 699.2	7570.9	42 906.6	7676.4	43 114.6	7782.0
	30	33 614.0	7650.2	33 828.1	7755.9	34 042.6	7861.7	34 257.8	7967.7
	35	24 735.9	7841.2	24 957.1	7947.2	25 178.8	8053.4	25 401.2	8159.7
	40	15 857.9	8038.4	16 086.2	8144.8	16 315.1	8251.3	16 544.7	8358.0
	45	706 980.0	8241.9	707 215.5	8348.6	707 451.5	8455.5	707 688.3	8562.5
76	50	698 102.3	8451.6	698 344.9	8558.8	698 588.1	8666.0	698 832.0	8773.4
84	55	89 224.7	8667.6	89 474.5	8775.2	89 724.8	8882.8	89 975.9	8990.6
92									
100	00	680 347.3	608 889.9	680 604.2	618 997.8	680 861.7	629 105.9	681 120.0	639 214.1
108	05	71 470.0	9118.4	71 734.1	9226.8	71 998.7	9335.2	72 264.2	9443.8
116	10	62 592.9	9353.2	62 864.1	9462.0	63 135.9	9570.9	63 408.6	9679.9
124	15	53 716.0	9594.2	53 994.3	9703.5	54 273.4	629 812.8	54 553.2	639 922.2
	20	44 839.3	609 841.5	45 124.8	619 951.2	45 411.1	630 061.0	45 698.0	640 170.9
	25	35 962.7	610 095.1	36 255.4	620 205.3	36 548.8	0315.4	36 842.9	0425.8
	30	27 086.3	0354.9	27 386.1	0465.6	27 686.6	0576.2	27 988.0	0687.1
	35	18 210.1	0621.0	18 517.0	0732.1	18 824.7	0843.3	19 133.3	0954.6
	40	09 334.1	0893.4	09 648.1	1005.0	09 963.0	1116.6	10 278.8	1228.4
	45	600 458.3	1172.0	600 779.4	1284.1	601 101.5	1396.3	601 424.5	1508.5
77	50	591 582.6	1456.8	591 911.0	1569.5	592 240.2	1682.2	592 570.4	1795.0
85	55	82 707.2	1748.0	83 042.8	1861.1	83 379.1	1974.3	83 716.5	2087.7
93									
101	00	573 832.0	612 045.4	574 174.7	622 159.1	574 518.2	632 272.8	574 862.8	642 386.7
109	05	64 957.0	2349.0	65 306.8	2463.3	65 657.6	2577.6	66 009.3	2692.0
117	10	56 082.2	2658.9	56 439.2	2773.8	56 797.0	2888.6	57 156.0	3003.6
125	15	47 207.7	2975.1	47 571.8	3090.5	47 936.9	3205.9	48 303.0	3321.5
	20	38 333.4	3297.5	38 704.6	3413.5	39 076.9	3529.5	39 450.2	3645.6
	25	29 459.3	3626.2	29 837.7	3742.8	30 217.1	3859.4	30 597.7	3976.1
	30	520 585.3	613 961.2	520 971.0	624 078.4	521 357.6	634 195.6	521 745.4	644 312.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 15′.		Lat. 29° 20′.		Lat. 29° 25′.		Lat. 29° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 478 254.6	644 312.9	1 477 866.2	654 430.3	1 477 476.6	664 547.7	1 477 085.8	674 665.2
100	35	69 402.3	3976.1	69 021.0	4092.9	68 638.6	4209.7	68 255.2	4326.6
108	40	60 549.8	3645.6	60 175.7	3761.9	59 800.5	3878.1	59 424.3	3994.4
116	45	51 697.0	3321.5	51 330.1	3437.1	50 962.2	3552.7	50 593.2	3668.5
49	50	42 844.0	3003.6	42 484.3	3118.6	42 123.6	3233.7	41 761.8	3348.9
77	55	33 990.7	2692.0	33 638.3	2806.5	33 284.8	2921.0	32 930.2	3035.6
85									
93	00	1 425 137.2	642 386.7	1 424 792.0	652 500.6	1 424 445.8	662 614.6	1 424 098.4	672 728.7
101	05	16 283.5	2087.7	15 945.5	2201.1	15 606.5	2314.5	15 266.4	2428.1
109	10	1 407 429.6	1795.0	1 407 098.7	1907.9	1 406 767.0	2020.8	1 406 434.2	2133.8
117	15	1 398 575.5	1508.5	1 398 251.8	1620.9	1 397 927.3	1733.4	1 397 601.8	1845.9
	20	89 721.2	1228.4	89 404.7	1340.3	89 087.4	1452.2	88 769.2	1564.3
	25	80 866.7	0954.6	80 557.4	1066.0	80 247.3	1177.4	79 936.4	1289.0
	30	72 012.0	0687.1	71 709.9	0798.0	71 407.0	0908.9	71 103.3	1020.0
	35	63 157.1	0425.8	62 862.2	0536.3	62 566.5	0646.8	62 270.1	0757.4
	40	54 302.0	640 170.9	54 014.3	0280.9	53 725.9	0390.9	53 436.7	0501.1
	45	45 446.8	639 922.2	45 166.3	650 031.8	44 885.1	660 141.4	44 603.1	0251.1
70	50	36 591.4	9679.9	36 318.1	649 789.0	36 044.1	659 898.2	35 769.3	670 007.5
78	55	27 735.8	9443.8	27 469.7	9552.5	27 202.9	9661.3	26 935.3	669 770.2
86									
94	00	1 318 880.0	639 214.1	1 318 621.1	649 322.4	1 318 361.6	659 430.7	1 318 101.2	669 539.2
102	05	10 024.1	8990.6	09 772.4	9098.5	09 520.1	9206.4	09 267.0	9314.5
110	10	1 301 168.0	8773.4	1 300 923.5	8880.9	1 300 678.4	8988.5	1 300 432.6	9096.2
118	15	1 292 311.7	8562.5	1 292 074.4	8669.7	1 291 836.6	8776.9	1 291 598.0	8884.2
	20	83 455.3	8358.0	83 225.2	8464.7	82 994.6	8571.5	82 763.3	8678.5
	25	74 598.8	8159.7	74 375.9	8266.1	74 152.5	8372.6	73 928.4	8479.2
	30	65 742.2	7967.7	65 526.5	8073.7	65 310.2	8179.9	65 093.4	8286.2
	35	56 885.4	7782.0	56 676.9	7887.7	56 467.8	7993.5	56 258.2	8099.5
	40	48 028.5	7602.6	47 827.1	7708.0	47 625.3	7813.5	47 422.9	7919.1
	45	39 171.4	7429.5	38 977.2	7534.6	38 782.7	7639.8	38 587.5	7745.1
71	50	30 314.2	7262.7	30 127.3	7367.5	29 939.9	7472.3	29 752.0	7577.4
79	55	21 456.9	7102.1	21 277.3	7206.7	21 097.0	7311.3	20 916.3	7416.0
87									
95	00	1 212 599.5	636 947.9	1 212 427.1	647 052.2	1 212 254.0	657 156.5	1 212 080.5	667 261.0
103	05	1 203 741.9	6800.0	1 203 576.7	6904.0	1 203 410.8	7008.0	1 203 244.6	7112.3
111	10	1 194 884.3	6658.4	1 194 726.3	6762.1	1 194 567.7	6865.9	1 194 408.7	6969.9
119	15	86 026.6	6523.0	85 875.8	6626.5	85 724.4	6730.1	85 572.6	6833.8
	20	77 168.8	6394.0	77 025.2	6497.2	76 881.0	6600.6	76 736.5	6704.1
	25	68 310.9	6271.2	68 174.4	6374.3	68 037.5	6477.4	67 900.2	6580.7
	30	59 453.0	6154.8	59 323.7	6257.6	59 194.0	6360.5	59 063.9	6463.6
	35	50 595.0	6044.6	50 472.8	6147.2	50 350.3	6249.9	50 227.4	6352.8
	40	41 736.9	5940.7	41 621.8	6043.2	41 506.6	6145.7	41 390.9	6248.4
	45	32 878.6	5843.2	32 770.8	5945.4	32 662.8	6047.8	32 554.3	6150.3
72	50	24 020.4	5751.9	23 919.7	5854.0	23 818.9	5956.2	23 717.7	6058.6
80	55	1 115 162.0	5666.9	15 068.6	5768.9	14 974.9	5870.9	14 881.0	5973.1
88									
96	00	1 106 303.6	635 588.2	1 106 217.4	645 690.0	1 106 130.9	655 791.9	1 106 044.2	665 894.0
104	05	1 097 445.0	5515.8	1 097 366.0	5617.5	1 097 286.7	5719.3	1 097 207.3	5821.3
112	10	88 586.5	5449.7	88 514.7	5551.3	88 442.6	5653.0	88 370.3	5754.8
120	15	79 728.0	5389.9	79 663.3	5491.4	79 598.4	5593.0	79 533.4	5694.7
	20	70 869.4	5336.4	70 811.9	5437.8	70 754.2	5539.3	70 696.5	5640.9
	25	62 010.8	5289.2	61 960.6	5390.5	61 910.1	5491.9	61 859.5	5593.4
	30	53 152.3	5248.3	53 109.2	5349.5	53 065.9	5450.8	53 022.6	5552.3
	35	44 293.6	5213.7	44 257.6	5314.8	44 221.6	5416.1	44 185.5	5517.5
	40	35 434.9	5185.4	35 406.1	5286.4	35 377.3	5387.6	35 348.4	5489.0
	45	26 576.1	5163.3	26 554.6	5264.4	26 532.9	5365.5	26 511.3	5466.9
73	50	17 717.4	5147.6	17 703.1	5248.6	17 688.6	5349.7	17 674.2	5451.1
81	55	08 858.7	5138.1	08 851.5	5239.2	08 844.3	5340.3	08 837.1	5441.6
89									
97	00	1 000 000.0	635 135.0	1 000 000.0	645 236.0	1 000 000.0	655 337.1	1 000 000.0	665 438.4
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 15′.		Lat. 29° 20′.		Lat. 29° 25′.		Lat. 29° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	635 135.0	1 000 000.0	645 236.0	1 000 000.0	655 337.1	1 000 000.0	665 438.4
105	05	991 141.3	5138.1	991 148.5	5239.2	991 155.7	5340.3	991 162.9	5441.6
113	10	82 282.6	5147.6	82 296.9	5248.6	82 311.4	5349.7	82 325.8	5451.1
121	15	73 423.9	5163.3	73 445.4	5264.4	73 467.1	5365.5	73 488.7	5466.9
	20	64 565.1	5185.4	64 593.9	5286.4	64 622.7	5387.6	64 651.6	5489.0
	25	55 706.4	5213.7	55 742.4	5314.8	55 778.4	5416.1	55 814.5	5517.5
	30	46 847.7	5248.3	46 890.8	5349.5	46 934.1	5450.8	46 977.4	5552.3
	35	37 989.2	5289.2	38 039.4	5390.5	38 089.9	5491.9	38 140.5	5593.4
	40	29 130.6	5336.4	29 188.1	5437.8	29 245.8	5539.3	29 303.5	5640.9
	45	20 272.0	5389.9	20 336.7	5491.4	20 401.6	5593.0	20 466.6	5694.7
74	50	11 413.5	5449.7	11 485.3	5551.3	11 557.4	5653.0	11 629.7	5754.8
82	55	902 555.0	5515.8	902 634.0	5617.5	902 713.3	5719.3	902 792.7	5821.3
90									
98	00	893 696.4	635 588.2	893 782.6	645 690.0	893 869.1	655 791.9	893 955.8	665 894.0
106	05	84 838.0	5666.9	84 931.4	5768.9	85 025.1	5870.9	85 119.0	5973.1
114	10	75 979.6	5751.9	76 080.3	5854.0	76 181.1	5956.2	76 282.3	6058.6
122	15	67 121.4	5843.2	67 229.2	5945.4	67 337.2	6047.8	67 445.7	6150.3
	20	58 263.1	5940.7	58 378.2	6043.2	58 493.4	6145.7	58 609.1	6248.4
	25	49 405.0	6044.6	49 527.2	6147.2	49 649.7	6249.9	49 772.6	6352.8
	30	40 547.0	6154.8	40 676.3	6257.6	40 806.0	6360.5	40 936.1	6463.6
	35	31 689.1	6271.2	31 825.6	6374.3	31 962.5	6477.4	32 099.8	6580.7
	40	22 831.2	6394.0	22 974.8	6497.2	23 119.0	6600.6	23 263.5	6704.1
	45	13 973.4	6523.0	14 124.2	6626.5	14 275.6	6730.1	14 427.4	6833.8
75	50	805 115.7	6658.4	805 273.7	6762.1	805 432.3	6865.9	805 591.3	6969.9
83	55	796 258.1	6800.0	796 423.3	6904.0	796 589.2	7008.0	796 755.4	7112.3
91									
99	00	787 400.5	636 947.9	787 572.9	647 052.2	787 746.0	657 156.5	787 919.5	667 261.0
107	05	78 543.1	7102.1	78 722.7	7206.7	78 903.0	7311.3	79 083.7	7416.0
115	10	69 685.8	7262.7	69 872.7	7367.5	70 060.1	7472.3	70 248.0	7577.4
123	15	60 828.6	7429.5	61 022.8	7534.6	61 217.3	7639.8	61 412.5	7745.1
	20	51 971.5	7602.6	52 172.9	7708.0	52 374.7	7813.5	52 577.1	7919.1
	25	43 114.6	7782.0	43 323.1	7887.7	43 532.2	7993.5	43 741.8	8099.5
	30	34 257.8	7967.7	34 473.5	8073.7	34 689.8	8179.9	34 906.6	8286.2
	35	25 401.2	8159.7	25 624.1	8266.1	25 847.5	8372.6	26 071.6	8479.2
	40	16 544.7	8358.0	16 774.8	8464.7	17 005.4	8571.5	17 236.7	8678.5
	45	707 688.3	8562.5	707 925.6	8669.7	708 163.4	8776.9	708 402.0	8884.2
76	50	698 832.0	8773.4	699 076.5	8880.9	699 321.6	8988.5	699 567.4	9096.2
84	55	89 975.9	8990.6	90 227.6	9098.5	90 479.9	9206.4	90 733.0	9314.5
92									
100	00	681 120.0	639 214.1	681 378.9	649 322.4	681 638.4	659 430.7	681 898.8	669 539.2
108	05	72 264.2	9443.8	72 530.3	9552.5	72 797.1	9661.3	73 064.7	669 770.2
116	10	63 408.6	9679.9	63 681.9	649 789.0	63 955.9	659 898.2	64 230.7	670 007.5
124	15	54 553.2	639 922.2	54 833.7	650 031.8	55 114.9	660 141.4	55 396.9	0251.1
	20	45 698.0	640 170.9	45 985.7	0280.9	46 274.1	0390.9	46 563.3	0501.1
	25	36 842.9	0425.8	37 137.8	0536.3	37 433.5	0646.8	37 729.9	0757.4
	30	27 988.0	0687.1	28 290.1	0798.0	28 593.0	0908.9	28 896.7	1020.0
	35	19 133.3	0954.6	19 442.6	1066.0	19 752.7	1177.4	20 063.6	1289.0
	40	10 278.8	1228.4	10 595.3	1340.3	10 912.6	1452.2	11 230.8	1564.3
	45	601 424.5	1508.5	601 748.2	1620.9	602 072.7	1733.4	602 398.2	1845.9
77	50	592 570.4	1795.0	592 901.3	1907.9	593 233.0	2020.8	593 565.8	2133.8
85	55	83 716.5	2087.7	84 054.5	2201.1	84 393.5	2314.5	84 733.6	2428.1
93									
101	00	574 862.8	642 386.7	575 208.0	652 500.6	575 554.2	662 614.6	575 901.6	672 728.7
109	05	66 009.3	2692.0	66 361.7	2806.5	66 715.2	2921.0	67 069.8	3035.6
117	10	57 156.0	3003.6	57 515.7	3118.6	57 876.4	3233.7	58 238.2	3348.9
125	15	48 303.0	3321.5	48 669.9	3437.1	49 037.8	3552.7	49 406.8	3668.5
	20	39 450.2	3645.6	39 824.3	3761.9	40 199.5	3878.1	40 575.7	3994.4
	25	30 597.7	3976.1	30 979.0	4092.9	31 361.4	4209.7	31 744.8	4326.6
	30	521 745.4	644 312.9	522 133.8	654 430.3	522 523.4	664 547.7	522 914.2	674 665.2

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 30′.		Lat. 29° 35′.		Lat. 29° 40′.		Lat. 29° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 477 085.8	674 665.2	1 476 694.1	684 782.6	1 476 301.4	694 900.1	1 475 907.7	705 017.9
100	35	68 255.2	4326.6	67 870.8	4443.4	67 485.4	4560.4	67 098.9	4677.6
108	40	59 424.3	3994.4	59 047.2	4110.6	58 669.1	4227.0	58 289.9	4343.5
116	45	50 593.2	3668.5	50 223.4	3784.1	49 852.5	3899.9	49 480.7	4016.0
69	50	41 761.8	3348.9	41 399.3	3464.0	41 035.7	3579.2	40 671.2	3694.7
77	55	32 930.2	3035.6	32 575.0	3150.2	32 218.6	3264.9	31 861.5	3379.8
85									
93	00	1 424 098.4	672 728.7	1 423 750.5	682 842.7	1 423 401.4	692 956.9	1 423 051.6	703 071.3
101	05	15 266.4	2428.1	14 925.8	2541.6	14 584.0	2655.2	14 241.4	2769.2
109	10	1 406 434.2	2133.8	1 406 100.8	2246.8	1 405 766.3	2360.0	1 405 431.0	2473.4
117	15	1 397 601.8	1845.9	1 397 275.6	1958.4	1 396 948.4	2071.0	1 396 620.4	2183.9
	20	88 769.2	1564.3	88 450.2	1676.3	88 130.3	1788.4	87 809.6	1900.8
	25	79 936.4	1289.0	79 624.6	1400.5	79 312.0	1512.2	78 998.6	1624.1
	30	71 103.3	1020.0	70 798.8	1131.1	70 493.5	1242.3	70 187.4	1353.7
	35	62 270.1	0757.4	61 972.8	0868.0	61 674.8	0978.8	61 376.0	1089.7
	40	53 436.7	0501.1	53 146.6	0611.3	52 855.9	0721.6	52 564.5	0832.1
	45	44 603.1	0251.1	44 320.3	0360.8	44 036.8	0470.7	43 752.8	0580.8
70	50	35 769.3	670 007.5	35 493.8	680 116.8	35 217.6	690 226.2	34 940.9	0335.9
78	55	26 935.3	669 770.2	26 667.2	679 879.0	26 398.2	689 988.1	26 128.8	700 097.4
86									
94	00	1 318 101.2	669 539.2	1 317 840.4	679 647.7	1 317 578.7	689 756.3	1 317 316.5	699 865.2
102	05	09 267.0	9314.5	09 013.4	9422.6	1 308 759.0	9530.9	1 308 504.0	9639.4
110	10	1 300 432.6	9096.2	1 300 186.2	9203.9	1 299 939.1	9311.8	1 299 691.4	9419.9
118	15	1 291 598.0	8884.2	1 291 358.9	8991.5	91 119.0	9099.0	90 878.6	9206.7
	20	82 763.3	8678.5	82 531.4	8785.5	82 298.8	8892.6	82 065.7	9000.0
	25	73 928.4	8479.2	73 703.8	8585.8	73 478.5	8692.6	73 252.7	8799.6
	30	65 093.4	8286.2	64 876.0	8392.4	64 658.0	8498.9	64 439.5	8605.6
	35	56 258.2	8099.5	56 048.1	8205.4	55 837.4	8311.5	55 626.1	8418.0
	40	47 422.9	7919.1	47 220.1	8024.8	47 016.6	8130.6	46 812.6	8236.7
	45	38 587.5	7745.1	38 391.9	7850.4	38 195.7	7955.9	37 999.0	8061.7
71	50	29 752.0	7577.4	29 563.6	7682.4	29 374.7	7787.7	29 185.3	7893.1
79	55	20 916.3	7416.0	20 735.2	7520.8	20 553.6	7625.7	20 371.5	7730.9
87									
95	00	1 212 080.5	667 261.0	1 211 906.7	677 365.5	1 211 732.4	687 470.1	1 211 557.5	697 575.1
103	05	1 203 244.6	7112.3	1 203 078.0	7216.5	1 202 911.0	7320.9	1 202 743.4	7425.6
111	10	1 194 408.7	6969.9	1 194 249.3	7073.8	1 194 089.5	7178.0	1 193 929.2	7282.5
119	15	85 572.6	6833.8	85 420.4	6937.5	85 267.9	7041.4	85 114.9	7145.7
	20	76 736.5	6704.1	76 591.5	6807.6	76 446.3	6911.3	76 300.6	7015.3
	25	67 900.2	6580.7	67 762.5	6684.0	67 624.5	6787.5	67 486.1	6891.2
	30	59 063.9	6463.6	58 933.4	6566.7	58 802.7	6669.9	58 671.6	6773.5
	35	50 227.4	6352.8	50 104.2	6455.7	49 980.7	6558.8	49 856.9	6662.2
	40	41 390.9	6248.4	41 275.0	6351.1	41 158.8	6454.0	41 042.2	6557.2
	45	32 554.3	6150.3	32 445.7	6252.9	32 336.7	6355.6	32 227.4	6458.6
72	50	23 717.7	6058.6	23 616.3	6161.0	23 514.6	6263.5	23 412.6	6366.4
80	55	14 881.0	5973.1	14 786.8	6075.4	14 692.4	6177.8	14 597.7	6280.5
88									
96	00	1 106 044.2	665 894.0	1 105 957.3	675 996.1	1 105 870.1	686 098.4	1 105 782.7	696 201.0
104	05	1 097 207.3	5821.3	1 097 127.6	5923.2	1 097 047.7	6025.4	1 096 967.6	6127.8
112	10	88 370.3	5754.8	88 297.9	5856.7	88 225.2	5958.7	88 152.4	6061.0
120	15	79 533.4	5694.7	79 468.2	5796.4	79 402.8	5898.4	79 337.3	6000.6
	20	70 696.5	5640.9	70 638.5	5742.6	70 580.4	5844.4	70 522.2	5946.5
	25	61 859.5	5593.4	61 808.8	5695.0	61 757.9	5796.8	61 707.0	5898.8
	30	53 022.6	5552.3	52 979.1	5653.8	52 935.5	5755.5	52 891.9	5857.5
	35	44 185.5	5517.5	44 149.3	5618.9	44 112.9	5720.6	44 076.6	5822.5
	40	35 348.4	5489.0	35 319.4	5590.4	35 290.3	5692.0	35 261.3	5793.8
	45	26 511.3	5466.9	26 489.6	5568.2	26 467.8	5669.8	26 445.9	5771.6
73	50	17 674.2	5451.1	17 659.7	5552.4	17 645.2	5653.9	17 630.6	5755.7
81	55	08 837.1	5441.6	08 829.9	5542.9	08 822.6	5644.4	08 815.3	5746.1
89									
97	00	1 000 000.0	665 438.4	1 000 000.0	675 539.7	1 000 000.0	685 641.2	1 000 000.0	695 743.0
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 30′.		Lat. 29° 35′.		Lat. 29° 40′.		Lat. 29° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	665 438.4	1 000 000.0	675 539.7	1 000 000.0	685 641.2	1 000 000.0	695 743.0
105	05	991 162.9	5441.6	991 170.1	5542.9	991 177.4	5644.4	991 184.7	5746.1
113	10	82 325.8	5451.1	82 340.3	5552.4	82 354.8	5653.9	82 369.4	5755.7
121	15	73 488.7	5466.9	73 510.4	5568.2	73 532.2	5669.8	73 554.1	5771.6
	20	64 651.6	5489.0	64 680.6	5590.4	64 709.7	5692.0	64 738.7	5793.8
	25	55 814.5	5517.5	55 850.7	5618.9	55 887.1	5720.6	55 923.4	5822.5
	30	46 977.4	5552.3	47 020.9	5653.8	47 064.5	5755.5	47 108.1	5857.5
	35	38 140.5	5593.4	38 191.2	5695.0	38 242.1	5796.8	38 293.0	5898.8
	40	29 303.5	5640.9	29 361.5	5742.6	29 419.6	5844.4	29 477.8	5946.5
	45	20 466.6	5694.7	20 531.8	5796.4	20 597.2	5898.4	20 662.7	6000.6
74	50	11 629.7	5754.8	11 702.1	5856.7	11 774.8	5958.7	11 847.6	6061.0
82	55	902 792.7	5821.3	902 872.4	5923.2	902 952.3	6025.4	903 032.4	6127.8
90									
98	00	893 955.8	665 894.0	894 042.7	675 996.1	894 129.9	686 098.4	894 217.3	696 201.0
106	05	85 119.0	5973.1	85 213.2	6075.4	85 307.6	6177.8	85 402.3	6280.5
114	10	76 232.3	6058.6	76 383.7	6161.0	76 485.4	6263.5	76 587.4	6366.4
122	15	67 445.7	6150.3	67 554.3	6252.9	67 663.3	6355.6	67 772.6	6458.6
	20	58 609.1	6248.4	58 725.0	6351.1	58 841.2	6454.0	58 957.8	6557.2
	25	49 772.6	6352.8	49 895.8	6455.7	50 019.3	6558.8	50 143.1	6662.2
	30	40 936.1	6463.6	41 066.6	6566.7	41 197.3	6669.9	41 328.4	6773.5
	35	32 099.8	6580.7	32 237.5	6684.0	32 375.5	6787.5	32 513.9	6891.2
	40	23 263.5	6704.1	23 408.5	6807.6	23 553.7	6911.3	23 699.4	7015.3
	45	14 427.4	6833.8	14 579.6	6937.5	14 732.1	7041.4	14 885.1	7145.7
75	50	805 591.3	6969.9	805 750.7	7073.8	805 910.5	7178.0	806 070.8	7282.5
83	55	796 755.4	7112.3	796 922.0	7216.5	797 089.0	7320.9	797 256.6	7425.6
91									
99	00	787 919.5	667 261.0	788 093.3	677 365.5	788 267.6	687 470.1	788 442.5	697 575.1
107	05	79 083.7	7416.0	79 264.8	7520.8	79 446.4	7625.7	79 628.5	7730.9
115	10	70 248.0	7577.4	70 436.4	7682.4	70 625.3	7787.7	70 814.7	7893.1
123	15	61 412.5	7745.1	61 608.1	7850.4	61 804.3	7955.9	62 001.0	8061.7
	20	52 577.1	7919.1	52 779.9	8024.8	52 983.4	8130.6	53 187.4	8236.7
	25	43 741.8	8099.5	43 951.9	8205.4	44 162.6	8311.5	44 373.9	8418.0
	30	34 906.6	8286.2	35 124.0	8392.4	35 342.0	8498.9	35 560.5	8605.6
	35	26 071.6	8479.2	26 296.2	8585.8	26 521.5	8692.6	26 747.3	8799.6
	40	17 236.7	8678.5	17 468.6	8785.5	17 701.2	8892.6	17 934.3	9000.0
	45	708 402.0	8884.2	708 641.1	8991.5	08 881.0	9099.0	09 121.4	9206.7
76	50	699 567.4	9096.2	699 813.8	9203.9	700 060.9	9311.8	700 308.6	9419.9
84	55	90 733.0	9314.5	90 986.6	9422.6	691 241.0	9530.9	691 496.0	9639.4
92									
100	00	681 898.8	669 539.2	682 159.6	679 647.7	682 421.3	689 756.3	682 683.5	699 865.2
108	05	73 064.7	669 770.2	73 332.8	679 879.0	73 601.8	689 988.1	73 871.2	700 097.4
116	10	64 230.7	670 007.5	64 506.2	680 116.8	64 782.4	690 226.2	65 059.1	0335.9
124	15	55 396.9	0251.1	55 679.7	0360.8	55 963.2	0470.7	56 247.2	0580.8
	20	46 563.3	0501.1	46 853.4	0611.3	47 144.1	0721.6	47 435.5	0832.1
	25	37 729.9	0757.4	38 027.2	0868.0	38 325.2	0978.8	38 624.0	1089.7
	30	28 896.7	1020.0	29 201.2	1131.1	29 506.5	1242.3	29 812.6	1353.7
	35	20 063.6	1289.0	20 375.4	1400.5	20 688.0	1512.2	21 001.4	1624.1
	40	11 230.8	1564.3	11 549.8	1676.3	11 869.7	1788.4	12 190.4	1900.8
	45	602 398.2	1845.9	602 724.4	1958.4	603 051.6	2071.0	603 379.6	2183.9
77	50	593 565.8	2133.8	593 899.2	2246.8	594 233.7	2360.0	594 569.0	2473.4
85	55	84 733.6	2428.1	85 074.2	2541.6	85 416.0	2655.2	85 758.6	2769.2
93									
101	00	575 901.6	672 728.7	576 249.5	682 842.7	576 598.6	692 956.9	576 948.4	703 071.3
109	05	67 069.8	3035.6	67 425.0	3150.2	67 781.4	3264.9	68 138.5	3379.8
117	10	58 238.2	3348.9	58 600.7	3464.0	58 964.3	3579.2	59 328.8	3694.7
125	15	49 406.8	3668.5	49 776.6	3784.1	50 147.5	3899.9	50 519.3	4016.0
	20	40 575.7	3994.4	40 952.8	4110.6	41 330.9	4227.0	41 710.1	4343.5
	25	31 744.8	4326.6	32 129.2	4443.4	32 514.6	4560.4	32 901.1	4677.6
	30	522 914.2	674 665.2	523 305.9	684 782.6	523 698.6	694 900.1	524 092.3	705 017.9

Grid coordinates for five-minute intersections—Continued

Long.		Lat. 29° 45′.		Lat. 29° 50′.		Lat. 29° 55′.		Lat. 30° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 475 907.7	705 017.9	1 475 512.9	715 135.6	1 475 117.3	725 253.3	1 474 720.5	735 371.0
100	35	67 098.9	4677.6	66 711.5	4794.7	66 323.2	4911.8	65 933.8	5028.9
108	40	58 289.9	4343.5	57 909.9	4460.1	57 528.9	4576.7	57 146.9	4693.2
116	45	49 480.7	4016.0	49 108.0	4132.0	48 734.3	4248.0	48 359.7	4364.0
69	50	40 671.2	3694.7	40 305.8	3810.2	39 939.5	3925.6	39 572.3	4041.1
77	55	31 861.5	3379.8	31 503.4	3494.7	31 144.4	3609.6	30 784.6	3724.6
85									
93	00	1 423 051.6	703 071.3	1 422 700.8	713 185.7	1 422 349.1	723 300.1	1 421 996.6	733 414.5
101	05	14 241.4	2769.2	13 898.0	2883.0	13 553.6	2996.9	13 208.5	3110.8
109	10	1 405 431.0	2473.4	1 405 095.0	2586.7	1 404 757.9	2700.0	1 404 420.2	2813.4
117	15	1 396 620.4	2183.9	1 396 291.7	2296.7	1 395 962.0	2409.6	1 395 631.6	2522.5
	20	87 809.6	1900.8	87 488.2	2013.2	87 165.9	2125.6	86 842.8	2238.0
	25	78 998.6	1624.1	78 684.5	1736.0	78 369.5	1847.9	78 053.7	1959.9
	30	70 187.4	1353.7	69 880.6	1465.2	69 572.9	1576.6	69 264.5	1688.1
	35	61 376.0	1089.7	61 076.5	1200.7	60 776.2	1311.7	60 475.2	1422.8
	40	52 564.5	0832.1	52 272.2	0942.6	51 979.3	1053.2	51 685.7	1163.8
	45	43 752.8	0580.8	43 467.8	0690.9	43 182.2	0801.1	42 895.9	0911.3
70	50	34 940.9	0335.9	34 663.2	0445.6	34 384.9	0555.3	34 106.0	0665.1
78	55	26 128.8	700 097.4	25 858.4	710 206.6	25 587.5	0316.0	25 315.9	0425.3
86									
94	00	1 317 316.5	699 865.2	1 317 053.4	709 974.0	1 316 789.9	720 083.0	1 316 525.6	730 191.9
102	05	1 308 504.0	9639.4	1 308 248.3	9747.8	1 307 992.1	719 856.4	1 307 735.2	729 965.0
110	10	1 299 691.4	9419.9	1 299 443.0	9528.0	1 299 194.1	9636.1	1 298 944.6	9744.4
118	15	90 878.6	9206.7	90 637.6	9314.5	90 396.0	9422.3	90 153.8	9530.2
	20	82 065.7	9000.0	81 832.0	9107.4	81 597.7	9214.9	81 362.8	9322.4
	25	73 252.7	8799.6	73 026.2	8906.7	72 799.3	9013.8	72 571.7	9121.0
	30	64 439.5	8605.6	64 220.3	8712.3	64 000.7	8819.1	63 780.5	8926.0
	35	55 626.1	8418.0	55 414.3	8524.3	55 202.0	8630.8	54 989.2	8737.3
	40	46 812.6	8236.7	46 608.1	8342.7	46 403.2	8448.9	46 197.7	8555.1
	45	37 999.0	8061.7	37 801.8	8167.5	37 604.2	8273.3	37 406.1	8379.3
71	50	29 185.3	7893.1	28 995.4	7998.6	28 805.1	8104.2	28 614.3	8209.8
79	55	20 371.5	7730.9	20 188.9	7836.1	20 005.9	7941.4	19 822.4	8046.8
87									
95	00	1 211 557.5	697 575.1	1 211 382.3	707 680.0	1 211 206.6	717 785.0	1 211 030.4	727 890.1
103	05	1 202 743.4	7425.6	1 202 575.5	7530.3	1 202 407.1	7635.0	1 202 238.3	7739.9
111	10	1 193 929.2	7282.5	1 193 768.6	7386.9	1 193 607.6	7491.4	1 193 446.2	7596.0
119	15	85 114.9	7145.7	84 961.6	7249.9	84 807.9	7354.2	84 653.9	7458.6
	20	76 300.6	7015.3	76 154.6	7119.3	76 008.2	7223.3	75 861.5	7327.5
	25	67 486.1	6891.2	67 347.4	6995.0	67 208.3	7098.9	67 069.0	7202.8
	30	58 671.6	6773.5	58 540.2	6877.1	58 408.4	6980.8	58 276.4	7084.5
	35	49 856.9	6662.2	49 732.8	6765.6	49 608.4	6869.1	49 483.7	6972.6
	40	41 042.2	6557.2	40 925.4	6660.5	40 808.3	6763.7	40 690.9	6867.1
	45	32 227.4	6458.6	32 117.9	6561.7	32 008.1	6664.8	31 898.1	6768.0
72	50	23 412.6	6366.4	23 310.4	6469.3	23 207.9	6572.2	23 105.2	6675.3
80	55	14 597.7	6280.5	14 502.8	6383.3	14 407.6	6486.1	14 312.2	6589.0
88									
96	00	1 105 782.7	696 201.0	1 105 695.1	706 303.6	1 105 607.2	716 406.3	1 105 519.2	726 509.1
104	05	1 096 967.6	6127.8	1 096 887.3	6230.3	1 096 806.7	6332.9	1 096 726.0	6435.5
112	10	88 152.4	6061.0	88 079.4	6163.4	88 006.2	6265.9	87 932.8	6368.4
120	15	79 337.3	6000.6	79 271.6	6102.9	79 205.6	6205.2	79 139.6	6307.7
	20	70 522.2	5946.5	70 463.7	6048.7	70 405.1	6151.0	70 346.5	6253.3
	25	61 707.0	5898.8	61 655.9	6000.9	61 604.6	6103.1	61 553.3	6205.4
	30	52 891.9	5857.5	52 848.0	5959.5	52 804.1	6061.6	52 760.1	6163.8
	35	44 076.6	5822.5	44 040.0	5924.5	44 003.4	6026.5	43 966.8	6128.6
	40	35 261.3	5793.8	35 232.0	5895.8	35 202.7	5997.8	35 173.4	6099.9
	45	26 445.9	5771.6	26 424.0	5873.5	26 402.0	5975.4	26 380.1	6077.5
73	50	17 630.6	5755.7	17 616.0	5857.5	17 601.4	5959.5	17 586.7	6061.5
81	55	08 815.3	5746.1	08 808.0	5848.0	08 800.7	5949.9	08 793.4	6051.9
89									
97	00	1 000 000.0	695 743.0	1 000 000.0	705 844.8	1 000 000.0	715 946.7	1 000 000.0	726 048.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 29° 45′.		Lat. 29° 50′.		Lat. 29° 55′.		Lat. 30° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	695 743.0	1 000 000.0	705 844.8	1 000 000.0	715 946.7	1 000 000.0	726 048.7
105	05	991 184.7	5746.1	991 192.0	5848.0	991 199.3	5949.9	991 206.6	6051.9
113	10	82 369.4	5755.7	82 384.0	5857.5	82 398.6	5959.5	82 413.3	6061.5
121	15	73 554.1	5771.6	73 576.0	5873.5	73 598.0	5975.4	73 619.9	6077.5
	20	64 738.7	5793.8	64 768.0	5895.8	64 797.3	5997.8	64 826.6	6099.9
	25	55 923.4	5822.5	55 960.0	5924.5	55 996.6	6026.5	56 033.2	6128.6
	30	47 108.1	5857.5	47 152.0	5959.5	47 195.9	6061.6	47 239.9	6163.8
	35	38 293.0	5898.8	38 344.1	6000.9	38 395.4	6103.1	38 446.7	6205.4
	40	29 477.8	5946.5	29 536.3	6048.7	29 594.9	6151.0	29 653.5	6253.3
	45	20 662.7	6000.6	20 728.4	6102.9	20 794.4	6205.2	20 860.4	6307.7
74	50	11 847.6	6061.0	11 920.6	6163.4	11 993.8	6265.9	12 067.2	6368.4
82	55	903 032.4	6127.8	903 112.7	6230.3	903 193.3	6332.9	903 274.0	6435.5
90									
98	00	894 217.3	696 201.0	894 304.9	706 303.6	894 392.8	716 406.3	894 480.8	726 509.1
106	05	85 402.3	6280.5	85 497.2	6383.3	85 592.4	6486.1	85 687.8	6589.0
114	10	76 587.4	6366.4	76 689.6	6469.3	76 792.1	6572.2	76 894.8	6675.3
122	15	67 772.6	6458.6	67 882.1	6561.7	67 991.9	6664.8	68 101.9	6768.0
	20	58 957.8	6557.2	59 074.6	6660.5	59 191.7	6763.7	59 309.1	6867.1
	25	50 143.1	6662.2	50 267.2	6765.6	50 391.6	6869.1	50 516.3	6972.6
	30	41 328.4	6773.5	41 459.8	6877.1	41 591.6	6980.8	41 723.6	7084.5
	35	32 513.9	6891.2	32 652.6	6995.0	32 791.7	7098.9	32 931.0	7202.8
	40	23 699.4	7015.3	23 845.4	7119.3	23 991.8	7223.3	24 138.5	7327.5
	45	14 885.1	7145.7	15 038.4	7249.9	15 192.1	7354.2	15 346.1	7458.6
75	50	806 070.8	7282.5	806 231.4	7386.9	806 392.4	7491.4	806 553.8	7596.0
83	55	797 256.6	7425.6	797 424.5	7530.3	797 592.9	7635.0	797 761.7	7739.9
91									
99	00	788 442.5	697 575.1	788 617.7	707 680.0	788 793.4	717 785.0	788 969.6	727 890.1
107	05	79 628.5	7730.9	79 811.1	7836.1	79 994.1	7941.4	80 177.6	8046.8
115	10	70 814.7	7893.1	71 004.6	7998.6	71 194.9	8104.2	71 385.7	8209.8
123	15	62 001.0	8061.7	62 198.2	8167.5	62 395.8	8273.3	62 593.9	8379.3
	20	53 187.4	8236.7	53 391.9	8342.7	53 596.8	8448.9	53 802.3	8555.1
	25	44 373.9	8418.0	44 585.7	8524.3	44 798.0	8630.8	45 010.8	8737.3
	30	35 560.5	8605.6	35 779.7	8712.3	35 999.3	8819.1	36 219.5	8926.0
	35	26 747.3	8799.6	26 973.8	8906.7	27 200.7	9013.8	27 428.3	9121.0
	40	17 934.3	9000.0	18 168.0	9107.4	18 402.3	9214.9	18 637.2	9322.4
	45	09 121.4	9206.7	09 362.4	9314.5	09 604.0	9422.3	09 846.2	9530.2
76	50	700 308.6	9419.9	700 557.0	9528.0	700 805.9	9636.1	701 055.4	9744.4
84	55	691 496.0	9639.4	691 751.7	9747.8	692 007.9	719 856.4	692 264.8	729 965.0
92									
100	00	682 683.5	699 865.2	682 946.6	709 974.0	683 210.1	720 083.0	683 474.4	730 191.9
108	05	73 871.2	700 097.4	74 141.6	710 206.6	74 412.5	0316.0	74 684.1	0425.3
116	10	65 059.1	0335.9	65 336.8	0445.6	65 615.1	0555.3	65 894.0	0665.1
124	15	56 247.2	0580.8	56 532.2	0690.9	56 817.8	0801.1	57 104.1	0911.3
	20	47 435.5	0832.1	47 727.8	0942.6	48 020.7	1053.2	48 314.3	1163.8
	25	38 624.0	1089.7	38 923.5	1200.7	39 223.8	1311.7	39 524.8	1422.8
	30	29 812.6	1353.7	30 119.4	1465.2	30 427.1	1576.6	30 735.5	1688.1
	35	21 001.4	1624.1	21 315.5	1736.0	21 630.5	1847.9	21 946.3	1959.9
	40	12 190.4	1900.8	12 511.8	2013.2	12 834.1	2125.6	13 157.2	2238.0
	45	603 379.6	2183.9	603 708.3	2296.7	604 038.0	2409.6	604 368.4	2522.5
77	50	594 569.0	2473.4	594 905.0	2586.7	595 242.1	2700.0	595 579.8	2813.4
85	55	85 758.6	2769.2	86 102.0	2883.0	86 446.4	2996.9	86 791.5	3110.8
93									
101	00	576 948.4	703 071.3	577 299.2	713 185.7	577 650.9	723 300.1	578 003.4	733 414.5
109	05	68 138.5	3379.8	68 496.6	3494.7	68 855.6	3609.6	69 215.4	3724.6
117	10	59 328.8	3694.7	59 694.2	3810.2	60 060.5	3925.6	60 427.7	4041.1
125	15	50 519.3	4016.0	50 892.0	4132.0	51 265.7	4248.0	51 640.3	4364.0
	20	41 710.1	4343.5	42 090.1	4460.1	42 471.1	4576.7	42 853.1	4693.2
	25	32 901.1	4677.6	33 288.5	4794.7	33 676.8	4911.8	34 066.2	5028.9
	30	524 092.3	705 017.9	524 487.1	715 135.6	524 882.7	725 253.3	525 279.5	735 371.0

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 00′.		Lat. 30° 05′.		Lat. 30° 10′.		Lat. 30° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 474 720.5	735 371.0	1 474 323.0	745 488.9	1 473 924.1	755 606.7	1 473 524.5	765 724.6
100	35	65 933.8	5028.9	65 543.6	5146.2	65 152.1	5263.5	64 760.0	5380.8
108	40	57 146.9	4693.2	56 763.9	4810.0	56 379.9	4926.7	55 995.2	5043.4
116	45	48 359.7	4364.0	47 984.1	4480.2	47 607.5	4596.3	47 230.1	4712.5
69	50	39 572.3	4041.1	39 204.1	4156.7	38 834.9	4272.3	38 464.8	4388.0
77	55	30 784.6	3724.6	30 423.9	3839.7	30 062.0	3954.8	29 699.3	4069.9
85									
93	00	1 421 996.6	733 414.5	1 421 643.3	743 529.1	1 421 288.8	753 643.6	1 420 933.6	763 758.3
101	05	13 208.5	3110.8	12 862.5	3224.8	12 515.4	3338.9	12 167.7	3453.0
109	10	1 404 420.2	2813.4	1 404 081.6	2927.0	1 403 741.9	3040.6	1 403 401.5	3154.2
117	15	1 395 631.6	2522.5	1 395 300.4	2635.6	1 394 968.1	2748.7	1 394 635.1	2861.8
	20	86 842.8	2238.0	86 518.9	2350.6	86 194.1	2463.2	85 868.5	2575.9
	25	78 053.7	1959.9	77 737.2	2072.0	77 419.9	2184.1	77 101.7	2296.4
	30	69 264.5	1688.1	68 955.4	1799.8	68 645.5	1911.5	68 334.7	2023.3
	35	60 475.2	1422.8	60 173.5	1534.0	59 870.9	1645.3	59 567.5	1756.6
	40	51 685.7	1163.8	51 391.3	1274.6	51 096.0	1385.4	50 800.1	1496.3
	45	42 895.9	0911.3	42 608.9	1021.6	42 321.0	1132.0	42 032.5	1242.5
70	50	34 106.0	0665.1	33 826.3	0775.1	33 545.9	0885.0	33 264.8	0995.1
78	55	25 315.9	0425.3	25 043.6	0534.9	24 770.6	0644.5	24 496.9	0754.1
86									
94	00	1 316 525.6	730 191.9	1 316 260.7	740 301.1	1 315 995.1	750 410.3	1 315 728.7	760 519.6
102	05	1 307 735.2	729 965.0	1 307 477.6	740 073.7	1 307 219.4	750 182.6	1 306 960.4	0291.5
110	10	1 298 944.6	9744.4	1 298 694.3	739 852.8	1 298 443.5	749 961.2	1 298 192.0	760 069.8
118	15	90 153.8	9530.2	89 910.9	9638.2	89 667.4	9746.3	89 423.4	759 854.5
	20	81 362.8	9322.4	81 127.3	9430.1	80 891.2	9537.8	80 654.6	9645.7
	25	72 571.7	9121.0	72 343.6	9228.3	72 114.9	9335.7	71 885.6	9443.2
	30	63 780.5	8926.0	63 559.8	9033.0	63 338.5	9140.1	63 116.5	9247.3
	35	54 989.2	8737.3	54 775.8	8844.1	54 561.9	8950.8	54 347.3	9057.7
	40	46 197.7	8555.1	45 991.7	8661.5	45 785.1	8768.0	45 578.0	8874.6
	45	37 406.1	8379.3	37 207.4	8485.4	37 008.2	8591.6	36 808.5	8697.8
71	50	28 614.3	8209.8	28 423.0	8315.7	28 231.2	8421.6	28 038.9	8527.6
79	55	19 822.4	8046.8	19 638.5	8152.3	19 454.1	8258.0	19 269.2	8363.7
87									
95	00	1 211 030.4	727 890.1	1 210 853.9	737 995.4	1 210 676.8	748 100.8	1 210 499.3	758 206.3
103	05	1 202 238.3	7739.9	1 202 069.1	7844.9	1 201 899.4	7950.0	1 201 729.3	8055.2
111	10	1 193 446.2	7596.0	1 193 284.3	7700.8	1 193 122.0	7805.7	1 192 959.3	7910.7
119	15	84 653.9	7458.6	84 499.3	7563.1	84 344.4	7667.8	84 189.1	7772.5
	20	75 861.5	7327.5	75 714.3	7431.8	75 566.8	7536.3	75 418.9	7640.8
	25	67 069.0	7202.8	66 929.2	7306.9	66 789.0	7411.2	66 648.5	7515.5
	30	58 276.4	7084.5	58 144.0	7188.4	58 011.2	7292.5	57 878.1	7396.6
	35	49 483.7	6972.6	49 358.6	7076.2	49 233.2	7180.2	49 107.5	7284.1
	40	40 690.9	6867.1	40 573.2	6970.7	40 455.2	7074.4	40 336.9	7178.1
	45	31 898.1	6768.0	31 787.7	6871.4	31 677.1	6974.9	31 566.2	7078.5
72	50	23 105.2	6675.3	23 002.2	6778.5	22 899.0	6881.9	22 795.5	6985.3
80	55	14 312.2	6589.0	14 216.6	6692.1	14 120.7	6795.3	14 024.6	6898.6
88									
96	00	1 105 519.2	726 509.1	1 105 431.0	736 612.0	1 105 342.5	746 715.1	1 105 253.8	756 818.3
104	05	1 096 726.0	6435.5	1 096 645.2	6538.4	1 096 564.0	6641.3	1 096 482.7	6744.4
112	10	87 932.8	6368.4	87 859.3	6471.1	87 785.6	6574.0	87 711.7	6676.9
120	15	79 139.6	6307.7	79 073.5	6410.3	79 007.1	6513.0	78 940.6	6615.8
	20	70 346.5	6253.3	70 237.7	6355.8	70 228.6	6458.5	70 169.5	6561.2
	25	61 553.3	6205.4	61 501.8	6307.8	61 450.2	6410.4	61 398.5	6513.0
	30	52 760.1	6163.8	52 716.0	6266.2	52 671.7	6368.7	52 627.4	6471.3
	35	43 966.8	6128.6	43 930.0	6230.9	43 893.1	6333.4	43 856.2	6435.9
	40	35 173.4	6099.9	35 144.0	6202.1	35 114.5	6304.5	35 084.9	6407.0
	45	26 380.1	6077.5	26 358.0	6179.7	26 335.8	6282.1	26 313.7	6384.5
73	50	17 586.7	6061.5	17 572.0	6163.7	17 557.2	6266.0	17 542.5	6368.4
81	55	08 793.4	6051.9	08 786.0	6154.1	08 778.6	6256.4	08 771.2	6358.8
89									
97	00	1 000 000.0	726 048.7	1 000 000.0	736 150.9	1 000 000.0	746 253.2	1 000 000.0	756 355.6
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 00′.		Lat. 30° 05′.		Lat. 30° 10′.		Lat. 30° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	726 048.7	1 000 000.0	736 150.9	1 000 000.0	746 253.2	1 000 000.0	756 355.6
105	05	991 206.6	6051.9	991 214.0	6154.1	991 221.4	6256.4	991 228.8	6358.8
113	10	82 413.3	6061.5	82 428.0	6163.7	82 442.8	6266.0	82 457.5	6368.4
121	15	73 619.9	6077.5	73 642.0	6179.7	73 664.2	6282.1	73 686.3	6384.5
	20	64 826.6	6099.9	64 856.0	6202.1	64 885.5	6304.5	64 915.1	6407.0
	25	56 033.2	6128.6	56 070.0	6230.9	56 106.9	6333.4	56 143.8	6435.9
	30	47 239.9	6163.8	47 284.0	6266.2	47 328.3	6368.7	47 372.6	6471.3
	35	38 446.7	6205.4	38 498.2	6307.8	38 549.8	6410.4	38 601.5	6513.0
	40	29 653.5	6253.3	29 712.3	6355.8	29 771.4	6458.5	29 830.5	6561.2
	45	20 860.4	6307.7	20 926.5	6410.3	20 992.9	6513.0	21 059.4	6615.8
74	50	12 067.2	6368.4	12 140.7	6471.1	12 214.4	6574.0	12 288.3	6676.9
82	55	903 274.0	6435.5	903 354.8	6538.4	903 436.0	6641.3	903 517.3	6744.4
90									
98	00	894 480.8	726 509.1	894 569.0	736 612.0	894 657.5	746 715.1	894 746.2	756 818.3
106	05	85 687.8	6589.0	85 783.4	6692.1	85 879.3	6795.3	85 975.4	6898.6
114	10	76 894.8	6675.3	76 997.8	6778.5	77 101.0	6881.9	77 204.5	6985.3
122	15	68 101.9	6768.0	68 212.3	6871.4	68 322.9	6974.9	68 433.8	7078.5
	20	59 309.1	6867.1	59 426.8	6970.7	59 544.8	7074.4	59 663.1	7178.1
	25	50 516.3	6972.6	50 641.4	7076.2	50 766.8	7180.2	50 892.5	7284.1
	30	41 723.6	7084.5	41 856.0	7188.4	41 988.8	7292.5	42 121.9	7396.6
	35	32 931.0	7202.8	33 070.8	7306.9	33 211.0	7411.2	33 351.5	7515.5
	40	24 138.5	7327.5	24 285.7	7431.8	24 433.2	7536.3	24 581.1	7640.8
	45	15 346.1	7458.6	15 500.7	7563.1	15 655.6	7667.8	15 810.9	7772.5
75	50	806 553.8	7596.0	806 715.7	7700.8	806 878.0	7805.7	807 040.7	7910.7
83	55	797 761.7	7739.9	797 930.9	7844.9	798 100.6	7950.0	798 270.7	8055.2
91									
99	00	788 969.6	727 890.1	789 146.1	737 995.4	789 323.2	748 100.8	789 500.7	758 206.3
107	05	80 177.6	8046.8	80 361.5	8152.3	80 545.9	8258.0	80 730.8	8363.7
115	10	71 385.7	8209.8	71 577.0	8315.7	71 768.8	8421.6	71 961.1	8527.6
123	15	62 593.9	8379.3	62 792.6	8485.4	62 991.8	8591.6	63 191.5	8697.8
	20	53 802.3	8555.1	54 008.3	8661.5	54 214.9	8768.0	54 422.0	8874.6
	25	45 010.8	8737.3	45 224.2	8844.1	45 438.1	8950.8	45 652.7	9057.7
	30	36 219.5	8926.0	36 440.2	9033.0	36 661.5	9140.1	36 883.5	9247.3
	35	27 428.3	9121.0	27 656.4	9228.3	27 885.1	9335.7	28 114.4	9443.2
	40	18 637.2	9322.4	18 872.7	9430.1	19 108.8	9537.8	19 345.4	9645.7
	45	09 846.2	9530.2	10 089.1	9638.2	10 332.6	9746.3	10 576.6	759 854.5
76	50	701 055.4	9744.4	701 305.7	739 852.8	701 556.5	749 961.2	701 808.0	760 069.8
84	55	692 264.8	729 965.0	692 522.4	740 073.7	692 780.6	750 182.6	693 039.6	0291.5
92									
100	00	683 474.4	730 191.9	683 739.3	740 301.1	684 004.9	750 410.3	684 271.3	760 519.6
108	05	74 684.1	0425.3	74 956.4	0534.9	75 229.4	0644.5	75 503.1	0754.1
116	10	65 894.0	0665.1	66 173.7	0775.1	66 454.1	0885.0	66 735.2	0995.1
124	15	57 104.1	0911.3	57 391.1	1021.6	57 679.0	1132.0	57 967.5	1242.5
	20	48 314.3	1163.8	48 608.7	1274.6	48 904.0	1385.4	49 199.9	1496.3
	25	39 524.8	1422.8	39 826.5	1534.0	40 129.1	1645.3	40 432.5	1756.6
	30	30 735.5	1688.1	31 044.6	1799.8	31 354.5	1911.5	31 665.3	2023.3
	35	21 946.3	1959.9	22 262.8	2072.0	22 580.1	2184.1	22 898.3	2296.4
	40	13 157.2	2238.0	13 481.1	2350.6	13 805.9	2463.2	14 131.5	2575.9
	45	604 368.4	2522.5	604 699.6	2635.6	605 031.9	2748.7	605 364.9	2861.8
77	50	595 579.8	2813.4	595 918.4	2927.0	596 258.1	3040.6	596 598.5	3154.2
85	55	86 791.5	3110.8	87 137.5	3224.8	87 484.6	3338.9	87 832.3	3453.0
93									
101	00	578 003.4	733 414.5	578 356.7	743 529.1	578 711.2	753 643.6	579 066.4	763 758.3
109	05	69 215.4	3724.6	69 576.1	3839.7	69 938.0	3954.8	70 300.7	4069.9
117	10	60 427.7	4041.1	60 795.9	4156.7	61 165.1	4272.3	61 535.2	4388.0
125	15	51 640.3	4364.0	52 015.9	4480.2	52 392.5	4596.3	52 769.9	4712.5
	20	42 853.1	4693.2	43 236.1	4810.0	43 620.1	4926.7	44 004.8	5043.4
	25	34 066.2	5028.9	34 456.4	5146.2	34 847.9	5263.5	35 240.0	5380.8
	30	525 279.5	735 371.0	525 677.0	745 488.9	526 075.9	755 606.7	526 475.5	765 724.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 15′.		Lat. 30° 20′.		Lat. 30° 25′.		Lat. 30° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 473 524.5	765 724.6	1 473 123.5	775 842.6	1 472 721.9	785 960.6	1 472 319.2	796 078.7
100	35	64 760.0	5380.8	64 366.5	5498.2	63 972.3	5615.7	63 577.0	5733.2
108	40	55 995.2	5043.4	55 609.2	5160.3	55 222.4	5277.2	54 834.6	5394.2
116	45	47 230.1	4712.5	46 851.6	4828.8	46 472.3	4945.2	46 092.0	5061.6
69	50	38 464.8	4388.0	38 093.8	4503.8	37 722.0	4619.6	37 349.1	4735.5
77	55	29 699.3	4069.9	29 335.7	4185.2	28 971.4	4300.5	28 606.0	4415.9
85									
93	00	1 420 933.6	763 758.3	1 420 577 4	773 873.0	1 420 220.5	783 987.8	1 419 862.7	794 102.7
101	05	12 167.7	3453.0	11 818.9	3567.3	11 469.4	3681.6	11 119.1	3796.0
109	10	1 403 401.5	3154.2	1 403 060.2	3268.0	1 402 718.1	3381.7	1 402 375.3	3495.7
117	15	1 394 635.1	2861.8	1 394 301.3	2975.1	1 393 966.6	3088.4	1 393 631.3	3201.9
	20	85 868.5	2575.9	85 542.1	2688.7	85 214.9	2801.5	84 887.0	2914.5
	25	77 101.7	2296.4	76 782.8	2408.7	76 463.0	2521.1	76 142.5	2633.6
	30	68 334.7	2023.3	68 023.2	2135.2	67 710.8	2247.1	67 397.8	2359.2
	35	59 567.5	1756.6	59 263.4	1868.1	58 958.5	1979.5	58 652.9	2091.2
	40	50 800.1	1496.3	50 503.4	1607.4	50 206.0	1718.4	49 907.9	1829.7
	45	42 032.5	1242.5	41 743.2	1353.1	41 453.3	1463.7	41 162.7	1574.6
70	50	33 264.8	0995.1	32 982.9	1105.3	32 700.4	1215.5	32 417.3	1326.0
78	55	24 496.9	0754.1	24 222.4	0864.0	23 947.3	0973.8	23 671.7	1083.8
86									
94	00	1 315 728.7	760 519.6	1 315 461.7	770 629.0	1 315 194.1	780 738.5	1 314 925.9	790 848.1
102	05	1 306 960.4	0291.5	1 306 700.8	0400.5	1 306 440.7	0509.6	1 306 179 9	0618.9
110	10	1 298 192.0	760 069.8	1 297 939.8	770 178.5	1 297 687.1	0287.2	1 297 433 8	0396.1
118	15	89 423.4	759 854.5	89 178.6	769 962.9	88 933.4	780 071.2	88 687.5	790 179.8
	20	80 654.6	9645.7	80 417.2	9753.7	80 179.4	779 861.7	79 941.0	789 969.9
	25	71 885.6	9443.2	71 655.7	9550.9	71 425.3	9658.6	71 194.4	9766.5
	30	63 116.5	9247.3	62 894.1	9354.6	62 671.1	9461.9	62 447.6	9569.6
	35	54 347.3	9057.7	54 132.3	9164.7	53 916.8	9271.7	53 700.7	9379.0
	40	45 578.0	8874.6	45 370.4	8981.3	45 162.3	9088.0	44 953.7	9195.0
	45	36 808.5	8697.8	36 608.3	8804.3	36 407.7	8910.7	36 206.6	9017.5
71	50	28 038.9	8527.6	27 846.1	8633.7	27 652.9	8739.9	27 459.3	8846.3
79	55	19 269.2	8363.7	19 083.8	8469.6	18 898.0	8575.5	18 711.9	8681.7
87									
95	00	1 210 499.3	758 206.3	1 210 321.4	768 311.9	1 210 143.0	778 417.6	1 209 964.3	788 523.4
103	05	1 201 729.3	8055.2	1 201 558.8	8160.6	1 201 387.9	8266.0	1 201 216.6	8371.7
111	10	1 192 959.3	7910.7	1 192 796.2	8015.8	1 192 632.7	8121.0	1 192 468.9	8226.4
119	15	84 189.1	7772.5	84 033.4	7877.4	83 877.4	7982.4	83 721.0	8087.6
	20	75 418.9	7640.8	75 270.6	7745.5	75 122.0	7850.2	74 973.0	7955.1
	25	66 648.5	7515.5	66 507.6	7620.0	66 366.5	7724.5	66 224.9	7829.2
	30	57 878.1	7396.6	57 744.6	7500.9	57 610.9	7605.2	57 476.8	7709.8
	35	49 107.5	7284.1	48 981.5	7388.3	48 855.2	7492.4	48 728.5	7596.8
	40	40 336.9	7178.1	40 218.3	7282.1	40 099.4	7386.0	39 980.2	7490.3
	45	31 566.2	7078.5	31 455.0	7182.3	31 343.6	7286.1	31 231.8	7390.1
72	50	22 795.5	6985.3	22 691.7	7089.0	22 587.7	7192.6	22 483.4	7296.5
80	55	14 024.6	6898.6	13 928.3	7002.1	13 831.7	7105.6	13 734.9	7209.4
88									
96	00	1 105 253.8	756 818.3	1 105 164.8	766 921.6	1 105 075.6	777 025.0	1 104 986.3	787 128.6
104	05	1 096 482.7	6744.4	1 096 401.2	6847.6	1 096 319.4	6950.8	1 096 237.5	7054.4
112	10	87 711.7	6676.9	87 637.5	6780.0	87 563.2	6883.1	87 488.8	6986.6
120	15	78 940.6	6615.8	78 873.9	6718.9	78.806.9	6821.9	78 740.0	6925.2
	20	70 169.5	6561.2	70 110.2	6664.2	70 050.7	6767.1	69 991.2	6870.3
	25	61 398.5	6513.0	61 346.6	6615.9	61 294.5	6718.7	61 242.5	6821.9
	30	52 627.4	6471.3	52 582.9	6574.0	52 538.3	6676.8	52 493.7	6779.9
	35	43 856.2	6435.9	43 819.1	6538.6	43 781.9	6641.4	43 744.8	6744.4
	40	35 084.9	6407.0	35 055.3	6509.7	35 025.5	6612.4	34 995.8	6715 4
	45	26 313.7	6384.5	26 291.4	6487.2	26 269.2	6589.8	26 246.9	6692.8
73	50	17 542.5	6368.4	17 527.6	6471.1	17 512.8	6573.7	17 497.9	6676.6
81	55	08 771.2	6358.8	08 763.8	6461.4	08 756.4	6564.0	08 749.0	6666.9
89									
97	00	1 000 000.0	756 355.6	1 000 000.0	766 458.2	1 000 000.0	776 560.8	1 000 000.0	786 663.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 15′.		Lat. 30° 20′.		Lat. 30° 25′.		Lat. 30° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	756 355.6	1 000 000.0	766 458.2	1 000 000.0	776 560.8	1 000 000.0	786 663.7
105	05	991 228.8	6358.8	991 236.2	6461.4	991 243.6	6564.0	991 251.0	6666.9
113	10	82 457.5	6368.4	82 472.4	6471.1	82 487.2	6573.7	82 502.1	6676.6
121	15	73 686.3	6384.5	73 708.6	6487.2	73 730.8	6589.8	73 753.1	6692.8
	20	64 915.1	6407.0	64 944.7	6509.7	64 974.5	6612.4	65 004.2	6715.4
	25	56 143.8	6435.9	56 180.9	6538.6	56 218.1	6641.4	56 255.2	6744.4
	30	47 372.6	6471.3	47 417.1	6574.0	47 461.7	6676.8	47 506.3	6779.9
	35	38 601.5	6513.0	38 653.4	6615.9	38 705.5	6718.7	38 757.5	6821.9
	40	29 830.5	6561.2	29 889.8	6664.2	29 949.3	6767.1	30 008.8	6870.3
	45	21 059.4	6615.8	21 126.1	6718.9	21 193.1	6821.9	21 260.0	6925.2
74	50	12 288.3	6676.9	12 362.5	6780.0	12 436.8	6883.1	12 511.2	6986.6
82	55	903 517.3	6744.4	903 598.8	6847.6	903 680.6	6950.8	903 762.5	7054.4
90									
98	00	894 746.2	756 818.3	894 835.2	766 921.6	894 924.4	777 025.0	895 013.7	787 128.6
106	05	85 975.4	6898.6	86 071.7	7002.1	86 168.3	7105.6	86 265.1	7209.4
114	10	77 204.5	6985.3	77 308.3	7089.0	77 412.3	7192.6	77 516.6	7296.5
122	15	68 433.8	7078.5	68 545.0	7182.3	68 656.4	7286.1	68 768.2	7390.1
	20	59 663.1	7178.1	59 781.7	7282.1	59 900.6	7386.0	60 019.8	7490.3
	25	50 892.5	7284.1	51 018.5	7388.3	51 144.8	7492.4	51 271.5	7596.8
	30	42 121.9	7396.6	42 255.4	7500.9	42 389.1	7605.2	42 523.2	7709.8
	35	33 351.5	7515.5	33 492.4	7620.0	33 633.5	7724.5	33 775.1	7829.2
	40	24 581.1	7640.8	24 729.4	7745.5	24 878.0	7850.2	25 027.0	7955.1
	45	15 810.9	7772.5	15 966.6	7877.4	16 122.6	7982.4	16 279.0	8087.6
75	50	807 040.7	7910.7	807 203.8	8015.8	807 367.3	8121.0	807 531.1	8226.4
83	55	798 270.7	8055.2	798 441.2	8160.6	798 612.1	8266.0	798 783.4	8371.7
91									
99	00	789 500.7	758 206.3	789 678.6	768 311.9	789 857.0	778 417.6	790 035.7	788 523.4
107	05	80 730.8	8363.7	80 916.2	8469.6	81 102.0	8575.5	81 288.1	8681.7
115	10	71 961.1	8527.6	72 153.9	8633.7	72 347.1	8739.9	72 540.7	8846.3
123	15	63 191.5	8697.8	63 391.7	8804.3	63 592.3	8910.7	63 793.4	9017.5
	20	54 422.0	8874.6	54 629.6	8981.3	54 837.7	9088.0	55 046.3	9195.0
	25	45 652.7	9057.7	45 867.7	9164.7	46 083.2	9271.7	46 299.3	9379.0
	30	36 883.5	9247.3	37 105.9	9354.6	37 328.9	9461.9	37 552.4	9569.6
	35	28 114.4	9443.2	28 344.3	9550.9	28 574.7	9658.6	28 805.6	9766.5
	40	19 345.4	9645.7	19 582.8	9753.7	19 820.6	779 861.7	20 059.0	789 969.9
	45	10 576.6	759 854.5	10 821.4	769 962.9	11 066.6	780 071.2	11 312.5	790 179.8
76	50	701 808.0	760 069.8	702 060.2	770 178.5	702 312.9	0287.2	702 566.2	0396.1
84	55	693 039.6	0291.5	693 299.2	0400.5	693 559.3	0509.6	693 820.1	0618.9
92									
100	00	684 271.3	760 519.6	684 538.3	770 629.0	684 805.9	780 738.5	685 074.1	790 848.1
108	05	75 503.1	0754.1	75 777.6	0864.0	76 052.7	0973.8	76 328.3	1083.8
116	10	66 735.2	0995.1	67 017.1	1105.3	67 299.6	1215.5	67 582.7	1326.0
124	15	57 967.5	1242.5	58 256.8	1353.1	58 546.7	1463.7	58 837.3	1574.6
	20	49 199.9	1496.3	49 496.6	1607.4	49 794.0	1718.4	50 092.1	1829.7
	25	40 432.5	1756.6	40 736.6	1868.1	41 041.5	1979.5	41 347.1	2091.2
	30	31 665.3	2023.3	31 976.8	2135.2	32 289.2	2247.1	32 602.2	2359.2
	35	22 898.3	2296.4	23 217.2	2408.7	23 537.0	2521.1	23 857.5	2633.6
	40	14 131.5	2575.9	14 457.9	2688.7	14 785.1	2801.5	15 113.0	2914.5
	45	605 364.9	2861.8	605 698.7	2975.1	606 033.4	3088.4	606 368.7	3201.9
77	50	596 598.5	3154.2	596 939.8	3268.0	597 281.9	3381.7	597 624.7	3495.7
85	55	87 832.3	3453.0	88 181.1	3567.3	88 530.6	3681.6	88 880.9	3796.0
93									
101	00	579 066.4	763 758.3	579 422.6	773 873.0	579 779.5	783 987.8	580 137.3	794 102.7
109	05	70 300.7	4069.9	70 664.3	4185.2	71 028.6	4300.5	71 394.0	4415.9
117	10	61 535.2	4388.0	61 906.2	4503.8	62 278.0	4619.6	62 650.9	4735.5
125	15	52 769.9	4712.5	53 148.4	4828 8	53 527.7	4945.2	53 908.0	5061.6
	20	44 004.8	5043.4	44 390.8	5160.3	44 777.6	5277.2	45 165.4	5394.2
	25	35 240.0	5380.8	35 633.5	5498.2	36 027.7	5615.7	36 423.0	5733.2
	30	526 475.5	765 724.6	526 876.5	775 842.6	527 278.1	785 960.6	527 680.8	796 078.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 30′.		Lat. 30° 35′.		Lat. 30° 40′.		Lat. 30° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 472 319.2	796 078.7	1 471 915.5	806 196.8	1 471 510.6	816 315.0	1 471 105.0	826 433.1
100	35	63 577.0	5733.2	63 180.9	5850.8	62 783.5	5968.4	62 385.4	6086.0
108	40	54 834.6	5394.2	54 446.0	5511.2	54 056.2	5628.3	53 665.5	5745.3
116	45	46 092.0	5061.6	45 710.9	5178.1	45 328.6	5294.7	44 945.4	5411.1
69	50	37 349.1	4735.5	36 975.5	4851.5	36 600.7	4967.5	36 225.1	5083.5
77	55	28 606.0	4415.9	28 239.8	4531.3	27 872.5	4646.8	27 504.5	4762.3
85									
93	00	1 419 862.7	794 102.7	1 419 503.9	804 217.6	1 419 144.1	814 332.6	1 418 783.6	824 447.6
101	05	11 119.1	3796.0	10 767.8	3910.4	10 415.6	4024.9	10 062.6	4139.4
109	10	1 402 375.3	3495.7	1 402 031.5	3609.6	1 401 686.8	3723.7	1 401 341.4	3837.7
117	15	1 393 631.3	3201.9	1 393 295.0	3315.3	1 392 957.7	3428.9	1 392 619.8	3542.4
	20	84 887.0	2914.5	84 558.2	3027.5	84 228.5	3140.6	83 898.1	3253.7
	25	76 142.5	2633.6	75 821.2	2746.2	75 499.0	2858.8	75 176.1	2971.5
	30	67 397.8	2359.2	67 084.0	2471.3	66 769.2	2583.5	66 453.9	2695.7
	35	58 652.9	2091.2	58 346.6	2202.9	58 039.3	2314.7	57 731.5	2426.4
	40	49 907.9	1829.7	49 609.0	1940.9	49 309.3	2052.3	49 009.0	2163.6
	45	41 162.7	1574.6	40 871.3	1685.4	40 579.1	1796.4	40 286.3	1907.3
70	50	32 417.3	1326.0	32 133.4	1436.4	31 848.6	1547.0	31 563.4	1657.5
78	55	23 671.7	1083.8	23 395.2	1193.9	23 118.0	1304.1	22 840.3	1414.2
86									
94	00	1 314 925.9	790 848.1	1 314 657.0	800 957.8	1 314 387.2	811 067.6	1 314 117.0	821 177.4
102	05	1 306 179.9	0618.9	1 305 918.5	0728.2	1 305 656.2	0837.6	1 305 393.5	0947.0
110	10	1 297 433.8	0396.1	1 297 179.8	0505.0	1 296 925.1	0614.1	1 296 669.8	0723.2
118	15	88 687.5	790 179.8	88 440.9	0288.4	88 193.7	0397.1	87 946.0	0505.8
	20	79 941.0	789 969.9	79 701.9	800 078.2	79 462.2	810 186.6	79 222.0	0294.9
	25	71 194.4	9766.5	70 962.8	799 874.4	70 730.6	809 982.5	70 497.9	820 090.5
	30	62 447.6	9569.6	62 223.6	9677.1	61 998.8	9784.9	61 773.7	819 892.6
	35	53 700.7	9379.0	53 484.2	9486.3	53 266.9	9593.8	53 049.3	9701.2
	40	44 953.7	9195.0	44 744.6	9302.0	44 534.8	9409.2	44 324.7	9516.3
	45	36 206.6	9017.5	36 004.9	9124.1	35 802.6	9231.0	35 600.0	9337.9
71	50	27 459.3	8846.3	27 265.1	8952.7	27 070.3	9059.3	26 875.2	9165.9
79	55	18 711.9	8681.7	18 525.2	8787.8	18 337.9	8894.1	18 150.3	9000.5
87									
95	00	1 209 964.3	788 523.4	1 209 785.1	798 629.3	1 209 605.3	808 735.4	1 209 425.2	818 841.5
103	05	1 201 216.6	8371.7	1 201 044.9	8477.3	1 200 872.6	8583.2	1 200 700.0	8689.0
111	10	1 192 468.9	8226.4	1 192 304.6	8331.8	1 192 139.8	8437.4	1 191 974.7	8543.0
119	15	83 721.0	8087.6	83 564.2	8192.8	83 406.9	8298.1	83 249.3	8403.5
	20	74 973.0	7955.1	74 823.7	8060.2	74 673.9	8165.3	74 523.8	8270.5
	25	66 224.9	7829.2	66 083.1	7934.0	65 940.8	8039.0	65 798.2	8144.0
	30	57 476.8	7709.8	57 342.4	7814.4	57 207.6	7919.2	57 072.6	8023.9
	35	48 728.5	7596.8	48 601.6	7701.2	48 474.3	7805.8	48 346.8	7910.4
	40	39 980.2	7490.3	39 860.8	7594.5	39 741.0	7698.9	39 621.0	7803.3
	45	31 231.8	7390.1	31 119.9	7494.2	31 007.5	7598.5	30 895.0	7702.8
72	50	22 483.4	7296.5	22 378.9	7400.4	22 274.0	7504.6	22 169.0	7608.7
80	55	13 734.9	7209.4	13 637.8	7313.1	13 540.4	7417.1	13 442.8	7521.1
88									
96	00	1 104 986.3	787 128.6	1 104 896.7	797 232.3	1 104 806.8	807 336.1	1 104 716.6	817 440.0
104	05	1 096 237.5	7054.4	1 096 155.4	7157.9	1 096 073.0	7261.6	1 095 990.3	7365.3
112	10	87 488.8	6986.6	87 414.1	7090.0	87 339.2	7193.6	87 264.0	7297.2
120	15	78 740.0	6925.2	78 672.8	7028.5	78 605.4	7132.1	78 537.8	7235.6
	20	69 991.2	6870.3	69 931.5	6973.6	69 871.5	7077.0	69 811.5	7180.4
	25	61 242.5	6821.9	61 190.2	6925.1	61 137.7	7028.4	61 085.2	7131.8
	30	52 493.7	6779.9	52 448.9	6883.0	52 403.9	6986.3	52 358.9	7089.6
	35	43 744.8	6744.4	43 707.4	6847.4	43 669.9	6950.7	43 632.4	7053.9
	40	34 995.8	6715.4	34 965.9	6818.3	34 935.9	6921.5	34 905.9	7024.7
	45	26 246.9	6692.8	26 224 4	6795.7	26 202.0	6898.8	26 179.5	7002.0
73	50	17 497.9	6676.6	17 483.0	6779.5	17 468.0	6882.6	17 453.0	6985.8
81	55	08 749.0	6666.9	08 741.5	6769.8	08 734.0	6872.9	08 726.5	6976.0
89									
97	00	1 000 000.0	786 663.7	1 000 000.0	796 766.6	1 000 000.0	806 869.7	1 000 000.0	816 972.8
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 30′.		Lat. 30° 35′.		Lat. 30° 40′.		Lat. 30° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	786 663.7	1 000 000.0	796 766.6	1 000 000.0	806 869.7	1 000 000.0	816 972.8
105	05	991 251.0	6666.9	991 258.5	6769.8	991 266.0	6872.9	991 273.5	6976.0
113	10	82 502.1	6676.6	82 517.0	6779.5	82 532.0	6882.6	82 547.0	6985.8
121	15	73 753.1	6692.8	73 775.6	6795.7	73 798.0	6898.8	73 820.5	7002.0
	20	65 004.2	6715.4	65 034.1	6818.3	65 064.1	6921.5	65 094.1	7024.7
	25	56 255.2	6744.4	56 292.6	6847.4	56 330.1	6950.7	56 367.6	7053.9
	30	47 506.3	6779.9	47 551.1	6883.0	47 596.1	6986.3	47 641.1	7089.6
	35	38 757.5	6821.9	38 809.8	6925.1	38 862.3	7028.4	38 914.8	7131.8
	40	30 008.8	6870.3	30 068.5	6973.6	30 128.5	7077.0	30 188.5	7180.4
	45	21 260.0	6925.2	21 327.2	7028.5	21 394.6	7132.1	21 462.2	7235.6
74	50	12 511.2	6986.6	12 585.9	7090.0	12 660.8	7193.6	12 736.0	7297.2
82	55	903 762.5	7054.4	903 844.6	7157.9	903 927.0	7261.6	904 009.7	7365.3
90									
98	00	895 013.7	787 128.6	895 103.3	797 232.3	895 193.2	807 336.1	895 283.4	817 440.0
106	05	86 265.1	7209.4	86 362.2	7313.1	86 459.6	7417.1	86 557.2	7521.1
114	10	77 516.6	7296.5	77 621.1	7400.4	77 726.0	7504.6	77 831.0	7608.7
122	15	68 768.2	7390.1	68 880.1	7494.2	68 992.5	7598.5	69 105.0	7702.8
	20	60 019.8	7490.3	60 139.2	7594.5	60 259.0	7698.9	60 379.0	7803.3
	25	51 271.5	7596.8	51 398.4	7701.2	51 525.7	7805.8	51 653.2	7910.4
	30	42 523.2	7709.8	42 657.6	7814.4	42 792.4	7919.2	42 927.4	8023.9
	35	33 775.1	7829.2	33 916.9	7934.0	34 059.2	8039.0	34 201.8	8144.0
	40	25 027.0	7955.1	25 176.3	8060.2	25 326.1	8165.3	25 476.2	8270.5
	45	16 279.0	8087.6	16 435.8	8192.8	16 593.1	8298.1	16 750.7	8403.5
75	50	807 531.1	8226.4	807 695.4	8331.8	807 860.2	8437.4	808 025.3	8543.0
83	55	798 783.4	8371.7	798 955.1	8477.3	799 127.4	8583.2	799 300.0	8689.0
91									
99	00	790 035.7	788 523.4	790 214.9	798 629.3	790 394.7	808 735.4	790 574.8	818 841.5
107	05	81 288.1	8681.7	81 474.8	8787.8	81 662.1	8894.1	81 849.7	9000.5
115	10	72 540.7	8846.3	72 734.9	8952.7	72 929.7	9059.3	73 124.8	9165.9
123	15	63 793.4	9017.5	63 995.1	9124.1	64 197.4	9231.0	64 400.0	9337.9
	20	55 046.3	9195.0	55 255.4	9302.0	55 465.2	9409.2	55 675.3	9516.3
	25	46 299.3	9379.0	46 515.8	9486.3	46 733.1	9593.8	46 950.7	9701.2
	30	37 552.4	9569.6	37 776.4	9677.1	38 001.2	9784.9	38 226.3	819 892.6
	35	28 805.6	9766.5	29 037.2	799 874.4	29 269.4	809 982.5	29 502.1	820 090.5
	40	20 059.0	789 969.9	20 298.1	800 078.2	20 537.8	810 186.6	20 778.0	0294.9
	45	11 312.5	790 179.8	11 559.1	0288.4	11 806.3	0397.1	12 054.0	0505.8
76	50	702 566.2	0396.1	702 820.2	0505.0	703 074.9	0614.1	703 330.2	0723.2
84	55	693 820.1	0618.9	694 081.5	0728.2	694 343.8	0837.6	694 606.5	0947.0
92									
100	00	685 074.1	790 848.1	685 343.0	800 957.8	685 612.8	811 067.6	685 883.0	821 177.4
108	05	76 328.3	1083.8	76 604.8	1193.9	76 882.0	1304.1	77 159.7	1414.2
116	10	67 582.7	1326.0	67 866.6	1436.4	68 151.4	1547.0	68 436.6	1657.5
124	15	58 837.3	1574.6	59 128.7	1685.4	59 420.9	1796.4	59 713.7	1907.3
	20	50 092.1	1829.7	50 391.0	1940.9	50 690.7	2052.3	50 991.0	2163.6
	25	41 347.1	2091.2	41 653.4	2202.9	41 960.7	2314.7	42 268.5	2426.4
	30	32 602.2	2359.2	32 916.0	2471.3	33 230.8	2583.5	33 546.1	2695.7
	35	23 857.5	2633.6	24 178.8	2746.2	24 501.0	2858.8	24 823.9	2971.5
	40	15 113.0	2914.5	15 441.8	3027.5	15 771.5	3140.6	16 101.9	3253.7
	45	606 368.7	3201.9	606 705.0	3315.3	607 042.3	3428.9	607 380.2	3542.4
77	50	597 624.7	3495.7	597 968.5	3609.6	598 313.2	3723.7	598 658.6	3837.7
85	55	88 880.9	3796.0	89 232.2	3910.4	89 584.4	4024.9	89 937.4	4139.4
93									
101	00	580 137.3	794 102.7	580 496.1	804 217.6	580 855.9	814 332.6	581 216.4	824 447.6
109	05	71 394.0	4415.9	71 760.2	4531.3	72 127.5	4646.8	72 495.5	4762.3
117	10	62 650.9	4735.5	63 024.5	4851.5	63 399.3	4967.5	63 774.9	5083.5
125	15	53 908.0	5061.6	54 289.1	5178.1	54 671.4	5294.7	55 054.6	5411.1
	20	45 165.4	5394.2	45 554.0	5511.2	45 943.8	5628.3	46 334.5	5745.3
	25	36 423.0	5733.2	36 819.1	5850.8	37 216.5	5968.4	37 614.6	6086.0
	30	527 680.8	796 078.7	528 084.5	806 196.8	528 489.4	816 315.0	528 895.0	826 433.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 45′.		Lat. 30° 50′.		Lat. 30° 55′.		Lat. 31° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 471 105.0	826 433.1	1 470 698.4	836 551.4	1 470 290.6	846 669.6	1 469 881.8	856 787.9
100	35	62 385.4	6086.0	61 986.3	6203.7	61 586.1	6321.4	61 184.9	6439.1
108	40	53 665.5	5745.3	53 274.0	5862.5	52 881.4	5979.6	52 487.9	6096.9
116	45	44 945.4	5411.1	44 561.4	5527.8	44 176.4	5644.4	43 790.4	5761.1
69	50	36 225.1	5083.5	35 848.6	5199.6	35 471.2	5315.7	35 092.8	5431.9
77	55	27 504.5	4762.3	27 135.5	4878.0	26 765.7	4993.5	26 394.8	5109.2
85									
93	00	1 418 783.6	824 447.6	1 418 422.2	834 562.8	1 418 060.0	844 677.9	1 417 696.7	854 793.1
101	05	10 062.6	4139.4	09 708.7	4254.1	09 354.0	4368.7	08 998.4	4483.4
109	10	1 401 341.4	3837.7	1 400 995.0	3951.9	1 400 647.8	4066.0	1 400 299.8	4180.3
117	15	1 392 619.8	3542.4	1 392 281.0	3656.2	1 391 941.3	3769.8	1 391 600.9	3883.6
	20	83 898.1	3253.7	83 566.8	3367.0	83 234.7	3480.2	82 901.9	3593.5
	25	75 176.1	2971.5	74 852.4	3084.3	74 527.9	3197.1	74 202.6	3310.0
	30	66 453.9	2695.7	66 137.7	2808.1	65 820.8	2920.4	65 503.0	3032.9
	35	57 731.5	2426.4	57 422.9	2538.4	57 113.5	2650.3	56 803.4	2762.4
	40	49 009.0	2163.6	48 707.9	2275.2	48 406.1	2386.7	48 103.5	2498.3
	45	40 286.3	1907.3	39 992.8	2018.5	39 698.5	2129.6	39 403.5	2240.8
70	50	31 563.4	1657.5	31 277.4	1768.3	30 990.6	1879.0	30 703.2	1989.9
78	55	22 840.3	1414.2	22 561.8	1524.6	22 282.6	1634.9	22 002.7	1745.4
86									
94	00	1 314 117.0	821 177.4	1 313 846.0	831 287.3	1 313 574.4	841 397.3	1 313 302.1	851 507.4
102	05	1 305 393.5	0947.0	1 305 130.1	1056.7	1 304 866.0	1166.3	1 304 601.3	1276.0
110	10	1 296 669.8	0723.2	1 296 414.0	0832.4	1 296 157.5	0941.7	1 295 900.3	1051.1
118	15	87 946.0	0505.8	87 697.7	0614.7	87 448.7	0723.6	87 199.1	0832.7
	20	79 222.0	0294.9	78 981.2	0403.5	78 739.8	0512.1	78 497.8	0620.9
	25	70 497.9	820 090.5	70 264.6	0198.8	70 030.8	0307.1	69 796.3	0415.5
	30	61 773.7	819 892.6	61 547.9	830 000.6	61 321.6	840 108.5	61 094.7	0216.7
	35	53 049.3	9701.2	52 831.0	829 808.9	52 612.3	839 916.5	52 393.0	850 024.4
	40	44 324.7	9516.3	44 114.0	9623.6	43 902.8	9731.0	43 691.1	849 838.6
	45	35 600.0	9337.9	35 396.9	9444.9	35 193.2	9552.0	34 989.0	9659.3
71	50	26 875.2	9165.9	26 679.6	9272.7	26 483.4	9379.5	26 286 8	9486.5
79	55	18 150.3	9000.5	17 962.2	9107.0	17 773.6	9213.6	17 584.6	9320.3
87									
95	00	1 209 425.2	818 841.5	1 209 244. 6	828 947.8	1 209 063.6	839 054.1	1 208 882.1	849 160.6
103	05	1 200 700.0	8689.0	1 200 526.9	8795.0	1 200 353.4	8901.1	1 200 179.5	9007.4
111	10	1 191 974.7	8543.0	1 191 809.2	8648.8	1 191 643.2	8754.7	1 191 476.9	8860.7
119	15	83 249.3	8403.5	83 091.3	8509.1	82 932.8	8614.7	82 774.1	8720.5
	20	74 523.8	8270.5	74 373.4	8375.9	74 222.4	8481.3	74 071.3	8586.9
	25	65 798.2	8144.0	65 655.2	8249.1	65 511.8	8354.4	65 368.3	8459.8
	30	57 072.6	8023.9	56 937.1	8128.9	56 801.3	8234.0	56 665.3	8339.2
	35	48 346.8	7910.4	48 218.8	8015.2	48 090.6	8120.0	47 962.1	8225.1
	40	39 621.0	7803.3	39 500.5	7908.0	39 379.8	8012.7	39 258.8	8117.5
	45	30 895.0	7702.8	30 782.1	7807.2	30 668.9	7911.8	30 555.5	8016.5
72	50	22 169.0	7608.7	22 063.7	7713.0	21 958.1	7817.4	21 852.2	7922.0
80	55	13 442.8	7521.1	13 345.1	7625.3	13 247.1	7729.5	13 148.8	7834.0
88									
96	00	1 104 716.6	817 440.0	1 104 626.5	827 544.0	1 104 536.0	837 648.1	1 104 445.3	847 752.5
104	05	1 095 990.3	7365.3	1 095 907.7	7469.3	1 095 824.8	7573.3	1 095 741.6	7677.5
112	10	87 264.0	7297.2	87 188.9	7401.0	87 113.5	7504.9	87 038.0	7609.0
120	15	78 537.8	7235.6	78 470.1	7339.3	78 402.2	7443.1	78 334.3	7547.1
	20	69 811.5	7180.4	69 751.4	7284.1	69 691.0	7387.8	69 630.6	7491.7
	25	61 085.2	7131.8	61 032.6	7235.3	60 979.8	7339.0	60 926.9	7442.8
	30	52 358.9	7089.6	52 313.8	7193.1	52 268.5	7296.7	52 223.2	7400.4
	35	43 632.4	7053.9	43 594.8	7157.3	43 557.1	7260.9	43 519.3	7364.6
	40	34 905.9	7024.7	34 875.9	7128.1	34 845.7	7231.6	34 815.5	7335.2
	45	26 179.5	7002.0	26 156.9	7105.3	26 134.3	7208.8	26 111.6	7312.4
73	50	17 453.0	6985.8	17 437.9	7089.1	17 422.8	7192.5	17 407.7	7296.1
81	55	08 726.5	6976.0	08 719.0	7079.3	08 711.4	7182.8	08 703.9	7286.3
89									
97	00	1 000 000.0	816 972.8	1 000 000.0	827 076.1	1 000 000.0	837 179.5	1 000 000.0	847 283.1
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 30° 45′.		Lat. 30° 50′.		Lat 30° 55′.		Lat. 31° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	816 972.8	1 000 000.0	827 076.1	1 000 000.0	837 179.5	1 000 000.0	847 283.1
105	05	991 273.5	6976.0	991 281.0	7079.3	991 288.6	7182.8	991 296.1	7286.3
113	10	82 547.0	6985.8	82 562.1	7089.1	82 577.2	7192.5	82 592.3	7296.1
121	15	73 820.5	7002.0	73 843.1	7105.3	73 865.7	7208.8	73 888.4	7312.4
	20	65 094.1	7024.7	65 124.1	7128.1	65 154.3	7231.6	65 184.5	7335.2
	25	56 367.6	7053.9	56 405.2	7157.3	56 442.9	7260.9	56 480.7	7364.6
	30	47 641.1	7089.6	47 686.2	7193.1	47 731.5	7296.7	47 776.8	7400.4
	35	38 914.8	7131.8	38 967.4	7235.3	39 020.2	7339.0	39 073.1	7442.8
	40	30 188.5	7180.4	30 248.6	7284.1	30 309.0	7387.8	30 369.4	7491.7
	45	21 462.2	7235.6	21 529.9	7339.3	21 597.7	7443.1	21 665.7	7547.1
74	50	12 736.0	7297.2	12 811.1	7401.0	12 886.5	7504.9	12 962.0	7609.0
82	55	904 009.7	7365.3	904 092.3	7469.3	904 175.2	7573.3	904 258.4	7677.5
90									
98	00	895 283.4	17 440.0	895 373.5	827 544.0	895 464.0	837 648.1	895 554.7	847 752.5
106	05	86 557.2	7521.1	86 654.9	7625.3	86 752.9	7729.5	86 851.2	7834.0
114	10	77 831.0	7608.7	77 936.3	7713.0	78 041.9	7817.4	78 147.8	7922.0
122	15	69 105.0	7702.8	69 217.9	7807.2	69 331.1	7911.8	69 444.5	8016.5
	20	60 379.0	7803.3	60 499.5	7908.0	60 620.2	8012.7	60 741.2	8117.5
	25	51 653.2	7910.4	51 781.2	8015.2	51 909.4	8120.0	52 037.9	8225.1
	30	42 927.4	8023.9	43 062.9	8128.9	43 198.7	8234.0	43 334.7	8339.2
	35	34 201.8	8144.0	34 344.8	8249.1	34 488.2	8354.4	34 631.7	8459.8
	40	25 476.2	8270.5	25 626.6	8375.9	25 777.6	8481.3	25 928.7	8586.9
	45	16 750.7	8403.5	16 908.7	8509.1	17 067.2	8614.7	17 225.9	8720.5
75	50	808 025.3	8543.0	808 190.8	8648.8	808 356.8	8754.7	808 523.1	8860.7
83	55	799 300.0	8689.0	799 473.1	8795.0	799 646.6	8901.1	799 820.5	9007.4
91									
99	00	790 574.8	818 841.5	790 755.4	828 947.8	790 936.4	839 054.1	791 117.9	849 160.6
107	05	81 849.7	9000.5	82 037.8	9107.0	82 226.4	9213.6	82 415.4	9320.3
115	10	73 124.8	9165.9	73 320.4	9272.7	73 516.6	9379.5	73 713.2	9486.5
123	15	64 400.0	9337.9	64 603.1	9444.9	64 806.8	9552.0	65 011.0	9659.3
	20	55 675.3	9516.3	55 886.0	9623.6	56 097.2	9731.0	56 308.9	849 838.6
	25	46 950.7	9701.2	47 169.0	829 808.9	47 387.7	839 916.5	47 607.0	850 024.4
	30	38 226.3	819 892.6	38 452.1	830 000.6	38 678.4	840 108.5	38 905.3	0216.7
	35	29 502.1	820 090.5	29 735.4	0198.8	29 969.2	0307.1	30 203.7	0415.5
	40	20 778.0	0294.9	21 018.8	0403.5	21 260.2	0512.1	21 502.2	0620.9
	45	12 054.0	0505.8	12 302.3	0614.7	12 551.3	0723.6	12 800.9	0832.7
76	50	703 330.2	0723.2	703 586.0	0832.4	703 842.5	0941.7	704 099.7	1051.1
84	55	694 606.5	0947.0	694 869.9	1056.7	695 134.0	1166.3	695 398.7	1276.0
92									
100	00	685 883.0	821 177.4	686 154.0	831 287.3	686 425.6	841 397.3	686 697.9	851 507.4
108	05	77 159.7	1414.2	77 438.2	1524.6	77 717.4	1634.9	77 997.3	1745.4
116	10	68 436.6	1657.5	68 722.6	1768.3	69 009.4	1879.0	69 296.8	1989.9
124	15	59 713.7	1907.3	60 007.2	2018.5	60 301.5	2129.6	60 596.5	2240.8
	20	50 991.0	2163.6	51 292.1	2275.2	51 593.9	2386.7	51 896.5	2498.3
	25	42 268.5	2426.4	42 577.1	2538.4	42 886.5	2650.3	43 196.6	2762.4
	30	33 546.1	2695.7	33 862.3	2808.1	34 179.2	2920.4	34 497.0	3032.9
	35	24 823.9	2971.5	25 147.6	3084.3	25 472.1	3197.1	25 797.4	3310.0
	40	16 101.9	3253.7	16 433.2	3367.0	16 765.3	3480.2	17 098.1	3593.5
	45	607 380.2	3542.4	607 719.0	3656.2	608 058.7	3769.8	608 399.1	3883.6
77	50	598 658.6	3837.7	599 005.0	3951.9	599 352.2	4066.0	599 700.2	4180.3
85	55	89 937.4	4139.4	90 291.3	4254.1	90 646.0	4368.7	91 001.6	4483.4
93									
101	00	581 216.4	824 447.6	581 577.8	834 562.8	581 940.0	844 677.9	582 303.3	854 793.1
109	05	72 495.5	4762.3	72 864.5	4878.0	73 234.3	4993.5	73 605.2	5109.2
117	10	63 774.9	5083.5	64 151.4	5199.6	64 528.8	5315.7	64 907.2	5431.9
125	15	55 054.6	5411.1	55 438.6	5527.8	55 823.6	5644.4	56 209.6	5761.1
	20	46 334.5	5745.3	46 726.0	5862.5	47 118.5	5979.6	47 512.1	6096.9
	25	37 614.6	6086.0	38 013.7	6203.7	38 413.9	6321.4	38 815.1	6439.1
	30	528 895.0	826 433.1	529 301.6	836 551.4	529 709.4	846 669.6	530 118.2	856 787.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 00′.		Lat. 31° 05′.		Lat. 31° 10′.		Lat. 31° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 469 881.8	856 787.9	1 469 472.4	866 906.5	1 469 061.6	877 024.9	1 468 650.0	887 143.4
100	35	61 184.9	6439.1	60 783.0	6557.2	60 379.9	6675.1	59 975.9	6793.0
108	40	52 487.9	6096.9	52 093.4	6214.4	51 697.9	6331.7	51 301.6	6449.2
116	45	43 790.4	5761.1	43 403.6	5878.1	43 015.7	5995.0	42 627.1	6111.9
69	50	35 092.8	5431.9	34 713.5	5548.4	34 333.3	5664.7	33 952.2	5781.2
77	55	26 394.8	5109.2	26 023.2	5225.2	25 650.6	5341.0	25 277.1	5457.0
85									
93	00	1 417 696.7	854 793.1	1 417 332.7	864 908.6	1 416 967.7	875 023.9	1 416 601.8	885 139.4
101	05	08 998.4	4483.4	1 408 641.9	4598.4	1 408 284.5	4713.3	1 407 926.3	4828.3
109	10	1 400 299.8	4180.3	1 399 950.9	4294.8	1 399 601.1	4409.2	1 399 250.6	4523.7
117	15	1 391 600.9	3883.6	91 259.7	3997.7	90 917.5	4111.7	90 574.6	4225.7
	20	82 901.9	3593.5	82 568.3	3707.2	82 233.6	3820.7	81 898.4	3934.3
	25	74 202.6	3310.0	73 876.6	3423.2	73 549.5	3536.2	73 221.9	3649.4
	30	65 503.0	3032.9	65 184.7	3145.7	64 865.2	3258.3	64 545.3	3371.1
	35	56 803.4	2762.4	56 492.6	2874.7	56 180.8	2986.9	55 868.5	3099.3
	40	48 103.5	2498.3	47 800.3	2610.3	47 496.2	2722.1	47 191.5	2834.0
	45	39 403.5	2240.8	39 107.8	2352.4	38 811.3	2463.8	38 514.2	2575.3
70	50	30 703.2	1989.9	30 415.1	2101.0	30 126.2	2212.0	29 836.7	2323.2
78	55	22 002.7	1745.4	21 722.2	1856.1	21 441.0	1966.8	21 159.1	2077.6
86									
94	00	1 313 302.1	851 507.4	1 313 029.1	861 617.8	1 312 755.5	871 728.1	1 312 481.4	881 838.6
102	05	1 304 601.3	1276.0	1 304 335.9	1386.0	1 304 069.9	1496.0	1 303 803.4	1606.1
110	10	1 295 900.3	1051.1	1 295 642.5	1160.8	1 295 384.1	1270.4	1 295 125.2	1380.1
118	15	87 199.1	0832.7	86 949.0	0942.1	86 698.2	1051.3	86 446.8	1160.7
	20	78 497.8	0620.9	78 255.3	0729.9	78 012.0	0838.8	77 768.3	0947.9
	25	69 796.3	0415.5	69 561.4	0524.2	69 325.7	0632.8	69 089.7	0741.6
	30	61 094.7	0216.7	60 867.4	0325.0	60 639.3	0433.4	60 410.9	0541.8
	35	52 393.0	850 024.4	52 173.2	860 132.4	51 952.8	0240.4	51 732.0	0348.6
	40	43 691.1	849 838.6	43 478.9	859 946.4	43 266.1	870 054.1	43 052.9	880 162.0
	45	34 989.0	9659.3	34 784.4	9766.8	34 579.2	869 874.3	34 373.6	879 981.9
71	50	26 286.8	9486.5	26 089.8	9593.8	25 892.2	9701.0	25 694.2	9808.3
79	55	17 584.6	9320.3	17 395.1	9427.3	17 205.1	9534.2	17 014.7	9641.3
87									
95	00	1 208 882.1	849 160.6	1 208 700.2	859 267.3	1 208 517.9	869 374.0	1 208 335.1	879 480.9
103	05	1 200 179.5	9007.4	1 200 005.2	9113.9	1 199 830.5	9220.3	1 199 655.3	9327.0
111	10	1 191 476.9	8860.7	1 191 310.1	8967.0	91 143.0	9073.2	90 975.5	9179.6
119	15	82 774.1	8720.5	82 615.0	8826.6	82 455.4	8932.6	82 295.5	9038.8
	20	74 071.3	8586.9	73 919.7	8692.7	73 767.8	8798.5	73 615.5	8904.5
	25	65 368.3	8459.8	65 224.3	8565.4	65 080.0	8671.0	64 935.3	8776.8
	30	56 665.3	8339.2	56 528.9	8444.6	56 392.1	8550.1	56 255.1	8655.7
	35	47 962.1	8225.1	47 833.3	8330.4	47 704.1	8435.6	47 574.7	8541.1
	40	39 258.8	8117.5	39 137.7	8222.6	39 016.1	8327.7	38 894.3	8433.0
	45	30 555.5	8016.5	30 442.0	8121.4	30 328.0	8226.4	30 213.8	8331.5
72	50	21 852.2	7922.0	21 746.2	8026.8	21 639.8	8131.5	21 533.2	8236.5
80	55	13 148.8	7834.0	13 050.3	7938.6	12 951.5	8043.3	12 852.5	8148.1
88									
96	00	1 104 445.3	847 752.5	1 104 354.4	857 857.0	1 104 263.2	867 961.5	1 104 171.8	878 066.2
104	05	1 095 741.6	7677.5	1 095 658.3	7781.9	1 095 574.7	7886.3	1 095 490.9	7990.9
112	10	87 038.0	7609.0	86 962.1	7713.4	86 886.1	7817.7	86 810.0	7922.2
120	15	78 334.3	7547.1	78 266.0	7651.3	78 197.6	7755.5	78 129.1	7859.9
	20	69 630.6	7491.7	69 569.9	7595.8	69 509.1	7700.0	69 448.2	7804.3
	25	60 926.9	7442.8	60 873.8	7546.9	60 820.6	7650.9	60 767.3	7755.2
	30	52 223.2	7400.4	52 177.7	7504.4	52 132.1	7608.4	52 086.4	7712.6
	35	43 519.3	7364.6	43 481.4	7468.5	43 443.4	7572.4	43 405.3	7676.6
	40	34 815.5	7335.2	34 785.1	7439.1	34 754.7	7543.0	34 724.3	7647.1
	45	26 111.6	7312.4	26 088.8	7416.3	26 066.0	7520.1	26 043.2	7624.2
73	50	17 407.7	7296.1	17 392.6	7400.0	17 377.4	7503.8	17 362.1	7607.8
81	55	08 703.9	7286.3	08 696.3	7390.2	08 688.7	7494.0	08 681.1	7598.0
89									
97	00	1 000 000.0	847 283.1	1 000 000.0	857 386.9	1 000 000.0	867 490.9	1 000 000.0	877 594.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 00′.		Lat. 31° 05′.		Lat. 31° 10′.		Lat. 31° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	847 283.1	1 000 000.0	857 386.9	1 000 000.0	867 490.9	1 000 000.0	877 594.7
105	05	991 296.1	7286.3	991 303.7	7390.2	991 311.3	7494.0	991 318.9	7598.0
113	10	82 592.3	7296.1	82 607.4	7400.0	82 622.6	7503.8	82 637.9	7607.8
121	15	73 888.4	7312.4	73 911.2	7416.3	73 934.0	7520.1	73 956.8	7624.2
	20	65 184.5	7335.2	65 214.9	7439.1	65 245.3	7543.0	65 275.7	7647.1
	25	56 480.7	7364.6	56 518.6	7468.5	56 556.6	7572.4	56 594.7	7676.6
	30	47 776.8	7400.4	47 822.3	7504.4	47 867.9	7608.4	47 913.6	7712.6
	35	39 073.1	7442.8	39 126.2	7546.9	39 179.4	7650.9	39 232.7	7755.2
	40	30 369.4	7491.7	30 430.1	7595.8	30 490.9	7700.0	30 551.8	7804.3
	45	21 665.7	7547.1	21 734.0	7651.3	21 802.4	7755.5	21 870.9	7859.9
74	50	12 962.0	7609.0	13 037.9	7713.4	13 113.9	7817.7	13 190.0	7922.2
82	55	904 258.4	7677.5	904 341.7	7781.9	904 425.3	7886.3	904 509.1	7990.9
90									
98	00	895 554.7	847 752.5	895 645.6	857 857.0	895 736.8	867 961.5	895 828.2	878 066.2
106	05	86 851.2	7834.0	86 949.7	7938.6	87 048.5	8043.3	87 147.5	8148.1
114	10	78 147.8	7922.0	78 253.8	8026.8	78 360.2	8131.5	78 466.8	8236.5
122	15	69 444.5	8016.5	69 558.0	8121.4	69 672.0	8226.4	69 786.2	8331.5
	20	60 741.2	8117.5	60 862.3	8222.6	60 983.9	8327.7	61 105.7	8433.0
	25	52 037.9	8225.1	52 166.7	8330.4	52 295.9	8435.6	52 425.3	8541.1
	30	43 334.7	8339.2	43 471.1	8444.6	43 607.9	8550.1	43 744.9	8655.7
	35	34 631.7	8459.8	34 775.7	8565.4	34 920.0	8671.0	35 064.7	8776.8
	40	25 928.7	8586.9	26 080.3	8692.7	26 232.2	8798.5	26 384.5	8904.5
	45	17 225.9	8720.5	17 385.0	8826.6	17 544.6	8932.6	17 704.5	9038.8
75	50	808 523.1	8860.7	808 689.9	8967.0	08 857.0	9073.2	09 024.5	9179.6
83	55	799 820.5	9007.4	799 994.8	9113.9	800 169.5	9220.3	800 344.7	9327.0
91									
99	00	791 117.9	849 160.6	791 299.8	859 267.3	791 482.1	869 374.0	791 664.9	879 480.9
107	05	82 415.4	9320.3	82 604.9	9427.3	82 794.9	9534.2	82 985.3	9641.3
115	10	73 713.2	9486.5	73 910.2	9593.8	74 107.8	9701.0	74 305.8	9808.3
123	15	65 011.0	9659.3	65 215.6	9766.8	65 420.8	869 874.3	65 626.4	879 981.9
	20	56 308.9	849 838.6	56 521.1	859 946.4	56 733.9	870 054.1	56 947.1	880 162.0
	25	47 607.0	850 024.4	47 826.8	860 132.4	48 047.2	0240.4	48 268.0	0348.6
	30	38 905.3	0216.7	39 132.6	0325.0	39 360.7	0433.4	39 589.1	0541.8
	35	30 203.7	0415.5	30 438.6	0524.2	30 674.3	0632.8	30 910.3	0741.6
	40	21 502.2	0620.9	21 744.7	0729.9	21 988.0	0838.8	22 231.7	0947.9
	45	12 800.9	0832.7	13 051.0	0942.1	13 301.8	1051.3	13 553.2	1160.7
76	50	704 099.7	1051.1	704 357.5	1160.8	704 615.9	1270.4	704 874.8	1380.1
84	55	695 398.7	1276.0	695 664.1	1386.0	695 930.1	1496.0	696 196.6	1606.1
92									
100	00	686 697.9	851 507.4	686 970.9	861 617.8	687 244.5	871 728.1	687 518.6	881 838.6
108	05	77 997.3	1745.4	78 277.8	1856.1	78 559.0	1966.8	78 840.9	2077.6
116	10	69 296.8	1989.9	69 584.9	2101.0	69 873.8	2212.0	70 163.3	2323.2
124	15	60 596.5	2240.8	60 892.2	2352.4	61 188.7	2463.8	61 485.8	2575.3
	20	51 896.5	2498.3	52 199.7	2610.3	52 503.8	2722.1	52 808.5	2834.0
	25	43 196.6	2762.4	43 507.4	2874.7	43 819.2	2986.9	44 131.5	3099.3
	30	34 497.0	3032.9	34 815.3	3145.7	35 134.8	3258.3	35 454.7	3371.1
	35	25 797.4	3310.0	26 123.4	3423.2	26 450.5	3536.2	26 778.1	3649.4
	40	17 098.1	3593.5	17 431.7	3707.2	17 766.4	3820.7	18 101.6	3934.3
	45	608 399.1	3883.6	08 740.3	3997.7	09 082.5	4111.7	09 425.4	4225.7
77	50	599 700.2	4180.3	600 049.1	4294.8	600 398.9	4409.2	600 749.4	4523.7
85	55	91 001.6	4483.4	591 358.1	4598.4	591 715.5	4713.3	592 073.7	4828.3
93									
101	00	582 303.3	854 793.1	582 687.3	864 908.6	583 032.3	875 023.9	583 398.2	885 139.4
109	05	73 605.2	5109.2	73 976.8	5225.2	74 349.4	5341.0	74 722.9	5457.0
117	10	64 907.2	5431.9	65 286.5	5548.4	65 666.7	5664.7	66 047.8	5781.2
125	15	56 209.6	5761.1	56 596.4	5878.1	56 984.3	5995.0	57 372.9	6111.9
	20	47 512.1	6096.9	47 906.6	6214.4	48 302.1	6331.7	48 698.4	6449.2
	25	38 815.1	6439.1	39 217.0	6557.2	39 620.1	6675.1	40 024.1	6793.0
	30	530 118.2	856 787.9	530 527.6	866 906.5	530 938.4	877 024.9	531 350.0	887 143.4

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 15′.		Lat. 31° 20′.		Lat. 31° 25′.		Lat. 31° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 468 650.0	887 143.4	1 468 237.1	897 262.1	1 467 823.5	907 380.7	1 467 408.8	917 499.4
100	35	59 975.9	6793.0	59 570.7	6911.2	59 164.7	7029.3	58 757.9	7147.4
108	40	51 301.6	6449.2	50 904.1	6566.8	50 505.7	6684.4	50 106.6	6802.0
116	45	42 627.1	6111.9	42 237.2	6229.0	41 846.5	6346.1	41 455.0	6463.2
69	50	33 952.2	5781.2	33 570.1	5897.8	33 187.1	6014.3	32 803.3	6131.0
77	55	25 277.1	5457.0	24 902.7	5573.1	24 527.4	5689.2	24 151.3	5805.4
85									
93	00	1 416 601.8	885 139.4	1 416 235.1	895 255.0	1 415 867.4	905 370.6	1 415 499.0	915 486.3
101	05	1 407 926.3	4828.3	1 407 567.2	4943.5	1 407 207.2	5058.6	1 406 846.5	5173.8
109	10	1 399 250.6	4523.7	1 398 899.1	4638.5	1 398 546.8	4753.1	1 398 193.8	4867.9
117	15	90 574.6	4225.7	90 230.7	4340.0	89 886.1	4454.2	89 540.7	4568.5
	20	81 898.4	3934.3	81 562.1	4048.1	81 225.2	4161.9	80 887.4	4275.8
	25	73 221.9	3649.4	72 893.3	3762.8	72 564.1	3876.1	72 234.0	3989.6
	30	64 545.3	3371.1	64 224.4	3484.0	63 902.8	3597.0	63 580.4	3710.0
	35	55 868.5	3099.3	55 555.2	3211.8	55 241.3	3324.3	54 926.6	3437.0
	40	47 191.5	2834.0	46 885.8	2946.2	46 579.5	3058.3	46 272.6	3170.5
	45	38 514.2	2575.3	38 216.3	2687.1	37 917.6	2798.8	37 618.4	2910.7
70	50	29 836.7	2323.2	29 546.5	2434.6	29 255.5	2545.9	28 963.9	2657.4
78	55	21 159.1	2077.6	20 876.5	2188.6	20 593.2	2299.6	20 309.3	2410.7
86									
94	00	1 312 481.4	881 838.6	1 312 206.3	891 949.2	1 311 930.7	902 059.8	1 311 654.5	912 170.6
102	05	1 303 803.4	1606.1	1 303 535.9	1716.4	1 303 268.0	1826.6	1 302 999.5	1937.0
110	10	1 295 125.2	1380.1	1 294 865.4	1490.1	1 294 605.1	1600.0	1 294 344.3	1710.1
118	15	86 446.8	1160.7	86 194.7	1270.3	85 942.1	1379.9	85 689.0	1489.7
	20	77 768.3	0947.9	77 523.9	1057.2	77 278.9	1166.4	77 033.4	1275.8
	25	69 089.7	0741.6	68 852.9	0850.6	68 615.6	0959.5	68 377.7	1068.6
	30	60 410.9	0541.8	60 181.8	0650.5	59 952.1	0759.1	59 721.9	0868.0
	35	51 732.0	0348.6	51 510.5	0457.0	51 288.5	0565.4	51 066.0	0673.9
	40	43 052.9	880 162.0	42 839.0	0270.1	42 624.7	0378.1	42 409.9	0486.4
	45	34 373.6	879 981.9	34 167.4	890 089.7	33 960.7	0197.5	33 753.6	0305.5
71	50	25 694.2	9808.3	25 495.7	889 915.9	25 296.6	900 023.4	25 097.2	910 131.1
79	55	17 014.7	9641.3	16 823.8	9748.6	16 632.4	899 855.9	16 440.7	909 963.4
87									
95	00	1 208 335.1	879 480.9	1 208 151.8	889 587.9	1 207 968.1	899 695.0	1 207 784.1	909 802.2
103	05	1 199 655.3	9327.0	1 199 479.7	9433.8	1 199 303.7	9540.6	1 199 127.3	9647.6
111	10	90 975.5	9179.6	90 807.5	9286.2	90 639.2	9392.8	90 470.4	9499.6
119	15	82 295.5	9038.8	82 135.2	9145.2	81 974.5	9251.6	81 813.4	9358.1
	20	73 615.5	8904.5	73 462.8	9010.7	73 309.8	9116.9	73 156.3	9223.3
	25	64 935.3	8776.8	64 790.3	8882.8	64 644.9	8988.8	64 499.1	9095.0
	30	56 255.1	8655.7	56 117.7	8761.5	55 979.9	8867.3	55 841.8	8973.3
	35	47 574.7	8541.1	47 445.0	8646.7	47 314.8	8752.3	47 184.4	8858.1
	40	38 894.3	8433.0	38 772.2	8538.5	38 649.7	8643.9	38 526.9	8749.6
	45	30 213.8	8331.5	30 099.3	8436.8	29 984.5	8542.1	29 869.4	8647.6
72	50	21 533.2	8236.5	21 426.3	8341.7	21 319.2	8446.9	21 211.8	8552.2
80	55	12 852.5	8148.1	12 753.2	8253.1	12 653.8	8358.2	12 554.1	8463.4
88									
96	00	1 104 171.8	878 066.2	1 104 080.1	888 171.2	1 103 988.4	898 276.1	1 103 896.4	908 381.2
104	05	1 095 490.9	7990.9	1 095 406.9	8095.7	1 095 322.8	8200.5	1 095 238.5	8305.5
112	10	86 810.0	7922.2	86 733.6	8026.9	86 657.2	8131.5	86 580.5	8236.4
120	15	78 129.1	7859.9	78 060.4	7964.5	77 991.5	8069.1	77 922.6	8173.9
	20	69 448.2	7804.3	69 387.1	7908.8	69 325.9	8013.3	69 264.6	8118.0
	25	60 767.3	7755.2	60 713.9	7859.6	60 660.3	7964.0	60 606.7	8068.7
	30	52 086.4	7712.6	52 040.6	7817.0	51 994.7	7921.3	51 948.7	8025.9
	35	43 405.3	7676.6	43 367.2	7780.9	43 328.9	7885.2	43 290.6	7989.7
	40	34 724.3	7647.1	34 693.7	7751.4	34 663.1	7855.7	34 632.5	7960.1
	45	26 043.2	7624.2	26 020.3	7728.4	25 997.3	7832.7	25 974.3	7937.1
73	50	17 362.1	7607.8	17 346.9	7712.0	17 331.6	7816.2	17 316.2	7920.7
81	55	08 681.1	7598.0	08 673.4	7702.2	08 665.8	7806.4	08 658.1	7910.8
89									
97	00	1 000 000.0	877 594.7	1 000 000.0	887 698.9	1 000 000.0	897 803.1	1 000 000.0	907 907.5
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 15′.		Lat. 31° 20′.		Lat. 31° 25′.		Lat. 31° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	877 594.7	1 000 000.0	887 698.9	1 000 000.0	897 803.1	1 000 000.0	907 907.5
105	05	991 318.9	7598.0	991 326.6	7702.2	991 334.2	7806.4	991 341.9	7910.8
113	10	82 637.9	7607.8	82 653.1	7712.0	82 668.4	7816.2	82 683.8	7920.7
121	15	73 956.8	7624.2	73 979.7	7728.4	74 002.7	7832.7	74 025.7	7937.1
	20	65 275.7	7647.1	65 306.3	7751.4	65 336.8	7855.7	65 367.5	7960.1
	25	56 594.7	7676.6	56 632.8	7780.9	56 671.1	7885.2	56 709.4	7989.7
	30	47 913.6	7712.6	47 959.4	7817.0	48 005.2	7921.3	48 051.3	8025.9
	35	39 232.7	7755.2	39 286.1	7859.6	39 339.7	7964.0	39 393.3	8068.7
	40	30 551.8	7804.3	30 612.9	7908.8	30 674.1	8013.3	30 735.4	8118.0
	45	21 870.9	7859.9	21 939.6	7964.5	22 008.4	8069.1	22 077.4	8173.9
74	50	13 190.0	7922.2	13 266.4	8026.9	13 342.7	8131.5	13 419.5	8236.4
82	55	904 509.1	7990.9	904 593.1	8095.7	904 677.2	8200.5	904 761.5	8305.5
90									
98	00	895 828.2	878 066.2	895 919.9	888 171.2	896 011.6	898 276.1	896 103.6	908 381.2
106	05	87 147.5	8148.1	87 246.8	8253.1	87 346.2	8358.2	87 445.9	8463.4
114	10	78 466.8	8236.5	78 573.7	8341.7	78 680.8	8446.9	78 788.2	8552.2
122	15	69 786.2	8331.5	69 900.7	8436.8	70 015.5	8542.1	70 130.6	8647.6
	20	61 105.7	8433.0	61 227.8	8538.5	61 350.3	8643.9	61 473.1	8749.6
	25	52 425.3	8541.1	52 555.0	8646.7	52 685.2	8752.3	52 815.6	8858.1
	30	43 744.9	8655.7	43 882.3	8761.5	44 020.1	8867.3	44 158.2	8973.3
	35	35 064.7	8776.8	35 209.7	8882.8	35 355.1	8988.8	35 500.9	9095.0
	40	26 384.5	8904.5	26 537.2	9010.7	26 690.2	9116.9	26 843.7	9223.3
	45	17 704.5	9038.8	17 864.8	9145.2	18 025.5	9251.6	18 186.6	9358.1
75	50	09 024.5	9179.6	09 192.5	9286.2	09 360.8	9392.8	09 529.6	9499.6
83	55	800 344.7	9327.0	800 520.3	9433.8	800 696.3	9540.6	800 872.7	9647.6
91									
99	00	791 664.9	879 480.9	791 848.2	889 587.9	792 031.9	899 695.0	792 215.9	909 802.2
107	05	82 985.3	9641.3	83 176.2	9748.6	83 367.6	899 855.9	83 559.3	909 963.4
115	10	74 305.8	9808.3	74 504.3	889 915.9	74 703.3	900 023.4	74 902.8	910 131.1
123	15	65 626.4	879 981.9	65 832.6	890 089.7	66 039.3	0197.5	66 246.4	0305.5
	20	56 947.1	880 162.0	57 161.0	0270.1	57 375.3	0378.1	57 590.1	0486.4
	25	48 268.0	0348.6	48 489.5	0457.0	48 711.5	0565.4	48 934.0	0673.9
	30	39 589.1	0541.8	39 818.2	0650.5	40 047.9	0759.1	40 278.1	0868.0
	35	30 910.3	0741.6	31 147.1	0850.6	31 384.4	0959.5	31 622.3	1068.6
	40	22 231.7	0947.9	22 476.1	1057.2	22 721.1	1166.4	22 966.6	1275.8
	45	13 553.2	1160.7	13 805.3	1270.3	14 057.9	1379.9	14 311.0	1489.7
76	50	704 874.8	1380.1	705 134.6	1490.1	705 394.9	1600.0	705 655.7	1710.1
84	55	696 196.6	1606.1	696 464.1	1716.4	696 732.0	1826.6	697 000.5	1937.0
92									
100	00	687 518.6	881 838.6	687 793.7	891 949.2	688 069.3	902 059.8	688 345.5	912 170.6
108	05	78 840.9	2077.6	79 123.4	2188.6	79 406.8	2299.6	79 690.7	2410.7
116	10	70 163.3	2323.2	70 453.5	2434.6	70 744.5	2545.9	71 036.1	2657.4
124	15	61 485.8	2575.3	61 783.7	2687.1	62 082.4	2798.8	62 381.6	2910.7
	20	52 808.5	2834.0	53 114.2	2946.2	53 420.5	3058.3	53 727.4	3170.5
	25	44 131.5	3099.3	44 444.8	3211.8	44 758.7	3324.3	45 073.4	3437.0
	30	35 454.7	3371.1	35 775.6	3484.0	36 097.2	3597.0	36 419.6	3710.0
	35	26 778.1	3649.4	27 106.6	3762.8	27 435.9	3876.1	27 766.0	3989.6
	40	18 101.6	3934.3	18 437.9	4048.1	18 774.8	4161.9	19 112.6	4275.8
	45	09 425.4	4225.7	09 769.3	4340.0	10 113.9	4454.2	10 459.3	4568.5
77	50	600 749.4	4523.7	601 100.9	4638.5	601 453.2	4753.1	601 806.2	4867.9
85	55	592 073.7	4828.3	592 432.8	4943.5	592 792.8	5058.6	593 153.5	5173.8
93									
101	00	583 398.2	885 139.4	583 764.9	895 255.0	584 132.5	905 370.6	584 501.0	915 486.3
109	06	74 722.9	5457.0	75 097.3	5573.1	75 472.6	5689.2	75 848.7	5805.4
117	10	66 047.8	5781.2	66 429.9	5897.8	66 812.9	6014.3	67 196.7	6131.0
125	15	57 372.9	6111.9	57 762.8	6229.0	58 153.5	6346.1	58 545.0	6463.2
	20	48 698.4	6449.2	49 095.9	6566.8	49 494.3	6684.4	49 893.4	6802.0
	25	40 024.1	6793.0	40 429.3	6911.2	40 835.3	7029.3	41 242.1	7147.4
	30	531 350.0	887 143.4	531 762.9	897 262.1	532 176.5	907 380.7	532 591.2	917 499.4

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 30′.		Lat. 31° 35′.		Lat. 31° 40′.		Lat. 31° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 467 408.8	917 499.4	1 466 993.1	927 618.1	1 466 576.5	937 736.9	1 466 158.8	947 855.8
100	35	58 757.9	7147.4	58 349.9	7265.6	57 940.8	7383.9	57 530.9	7502.3
108	40	50 106.6	6802.0	49 706.4	6919.7	49 305.0	7037.5	48 902.9	7155.4
116	45	41 455.0	6463.2	41 062.5	6580.4	40 669.0	6697.7	40 274.6	6815.1
69	50	32 803.3	6131.0	32 418.4	6247.7	32 032.7	6364.5	31 646.1	6481.4
77	55	24 151.3	5805.4	23 774.1	5921.5	23 396.1	6037.9	23 017.2	6154.3
85									
93	00	1 415 499.0	915 486.3	1 415 129.6	925 602.0	1 414 759.2	935 717.8	1 414 388.1	945 833.8
101	05	1 406 846.5	5173.8	1 406 484.8	5289.0	1 406 122.2	5404.4	1 405 758.8	5519.9
109	10	1 398 193.8	4867.9	1 397 839.8	4982.7	1 397 484.9	5097.6	1 397 129.2	5212.6
117	15	89 540.7	4568.5	89 194.5	4682.9	88 847.4	4797.4	88 499.5	4912.0
	20	80 887.4	4275.8	80 549.0	4389.7	80 209.7	4503.8	79 869.4	4617.9
	25	72 234.0	3989.6	71 903.3	4103.1	71 571.7	4216.8	71 239.1	4330.5
	30	63 580.4	3710.0	63 257.4	3823.1	62 933.4	3936.3	62 608.7	4049.7
	35	54 926.6	3437.0	54 611.3	3549.7	54 295.0	3662.5	53 978.0	3775.4
	40	46 272.6	3170.5	45 964.9	3282.8	45 656.4	3395.3	45 347.1	3507.8
	45	37 618.4	2910.7	37 318.3	3022.6	37 017.6	3134.6	36 716.1	3246.8
70	50	28 963.9	2657.4	28 671.6	2768.9	28 378.6	2880.6	28 084.8	2992.4
78	55	20 309.3	2410.7	20 024.6	2521.9	19 739.4	2633.2	19 453.3	2744.6
86									
94	00	1 311 654.5	912 170.6	1 311 377.5	922 281.4	1 311 100.0	932 392.3	1 310 821.6	942 503.4
102	05	1 302 999.5	1937.0	1 302 730.2	2047.5	1 302 460.4	2158.1	1 302 189.8	2268.8
110	10	1 294 344.3	1710.1	1 294 082.8	1820.2	1 293 820.6	1930.5	1 293 557.8	2040.9
118	15	85 689.0	1489.7	85 435.2	1599.5	85 180.7	1709.4	84 925.6	1819.5
	20	77 033.4	1275.8	76 787.4	1385.3	76 540.6	1495.0	76 293.2	1604.7
	25	68 377.7	1068.6	68 139.4	1177.8	67 900.4	1287.1	67 660.7	1396.6
	30	59 721.9	0868.0	59 491.3	0976.8	59 260.0	1085.9	59 028.1	1195.0
	35	51 066.0	0673.9	50 843.0	0782.5	50 619.5	0891.3	50 395.3	1000.1
	40	42 409.9	0486.4	42 194.6	0594.7	41 978.7	0703.2	41 762.3	0811.8
	45	33 753.6	0305.5	33 546.1	0413.5	33 337.8	0521.7	33 129.2	0630.1
71	50	25 097.2	910 131.1	24 897.4	0238.9	24 696.8	0346.9	24 495.9	0455.0
79	55	16 440.7	909 963.4	16 248.5	920 070.9	16 055.7	0178.6	15 862.5	0286.5
87									
95	00	1 207 784.1	909 802.2	1 207 599.5	919 909.5	1 207 414.5	930 017.0	1 207 229.0	940 124.6
103	05	1 199 127.3	9647.6	1 198 950.4	9754.7	1 198 773.1	929 861.9	1 198 595.4	939 969.3
111	10	90 470.4	9499.6	90 301.2	9606.4	90 131.7	9713.5	89 961.7	9820.6
119	15	81 813.4	9358.1	81 651.9	9464.8	81 490.1	9571.6	81 327.8	9678.5
	20	73 156.3	9223.3	73 002.6	9329.7	72 848.4	9436.3	72 693.9	9543.1
	25	64 499.1	9095.0	64 353.0	9201.2	64 206.6	9307.7	64 059.8	9414.2
	30	55 841.8	8973.3	55 703.4	9079.3	55 564.7	9185.6	55 425.6	9292.0
	35	47 184.4	8858.1	47 053.7	8964.0	46 922.7	9070.1	46 791.3	9176.3
	40	38 526.9	8749.6	38 403.9	8855.3	38 280.6	8961.3	38 157.0	9067.3
	45	29 869.4	8647.6	29 754.1	8753.2	29 638.4	8859.0	29 522.6	8964.9
72	50	21 211.8	8552.2	21 104.2	8657.7	20 996.2	8763.3	20 888.1	8869.1
80	55	12 554.1	8463.4	12 454.1	8568.7	12 353.9	8674.2	12 253.5	8779.9
88									
96	00	1 103 896.4	908 381.2	1 103 804.0	918 486.4	1 103 711.6	928 591.8	1 103 618.9	938 697.3
104	05	1 095 238.5	8305.5	1 095 153.8	8410.6	1 095 069.1	8515.9	1 094 984.1	8621.3
112	10	86 580.5	8236.4	86 503.5	8341.4	86 426.5	8446.6	86 349.3	8551.9
120	15	77 922.6	8173.9	77 853.3	8278.8	77 784.0	8383.9	77 714.4	8489.1
	20	69 264.6	8118.0	69 203.0	8222.8	69 141.4	8327.8	69 079.6	8433.0
	25	60 606.7	8068.7	60 552.8	8173.4	60 498.9	8278.4	60 444.8	8383.4
	30	51 948.7	8025.9	51 902.5	8130.6	51 856.3	8235.5	51 810.0	8340.4
	35	43 290.6	7989.7	43 252.1	8094.4	43 213.6	8199.2	43 175.0	8304.1
	40	34 632.5	7960.1	34 601.7	8064.7	34 570.9	8169.5	34 540.0	8274.4
	45	25 974.3	7937.1	25 951.2	8041.6	25 928.1	8146.4	25 905.0	8251.2
73	50	17 316.2	7920.7	17 300.8	8025.2	17 285.4	8129.9	17 270.0	8234.7
81	55	08 658.1	7910.8	08 650.4	8015.3	08 642.7	8120.0	08 635.0	8224.8
89									
97	00	1 000 000.0	907 907.5	1 000 000.0	918 012.0	1 000 000.0	928 116.7	1 000 000.0	938 221.5
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 30′.		Lat. 31° 35′.		Lat. 31° 40′.		Lat. 31° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	907 907.5	1 000 000.0	918 012.0	1 000 000.0	928 116.7	1 000 000.0	938 221.5
105	05	991 341.9	7910.8	991 349.6	8015.3	991 357.3	8120.0	991 365.0	8224.8
113	10	82 683.8	7920.7	82 699.2	8025.2	82 714.6	8129.9	82 730.0	8234.7
121	15	74 025.7	7937.1	74 048.8	8041.6	74 071.9	8146.4	74 095.0	8251.2
	20	65 367.5	7960.1	65 398.3	8064.7	65 429.1	8169.5	65 460.0	8274.4
	25	56 709.4	7989.7	56 747.9	8094.4	56 786.4	8199.2	56 825.0	8304.1
	30	48 051.3	8025.9	48 097.5	8130.6	48 143.7	8235.5	48 190.0	8340.4
	35	39 393.3	8068.7	39 447.2	8173.4	39 501.1	8278.4	39 555.2	8383.4
	40	30 735.4	8118.0	30 797.0	8222.8	30 858.6	8327.8	30 920.4	8433.0
	45	22 077.4	8173.9	22 146.7	8278.8	22 216.0	8383.9	22 285.6	8489.1
74	50	13 419.5	8236.4	13 496.5	8341.4	13 573.5	8446.6	13 650.7	8551.9
82	55	904 761.5	8305.5	904 846.2	8410.6	904 930.9	8515.9	905 015.9	8621.3
90									
98	00	896 103.6	908 381.2	896 196.0	918 486.4	896 288.4	928 591.8	896 381.1	938 697.3
106	05	87 445.9	8463.4	87 545.9	8568.7	87 646.1	8674.2	87 746.5	8779.9
114	10	78 788.2	8552.2	78 895.8	8657.7	79 003.8	8763.3	79 111.8	8869.1
122	15	70 130.6	8647.6	70 245.9	8753.2	70 361.6	8859.0	70 477.4	8964.9
	20	61 473.1	8749.6	61 596.1	8855.3	61 719.4	8961.3	61 843.0	9067.3
	25	52 815.6	8858.1	52 946.3	8964.0	53 077.3	9070.1	53 208.7	9176.3
	30	44 158.2	8973.3	44 296.6	9079.3	44 435.3	9185.6	44 574.4	9292.0
	35	35 500.9	9095.0	35 647.0	9201.2	35 793.4	9307.7	35 940.2	9414.2
	40	26 843.7	9223.3	26 997.4	9329.7	27 151.6	9436.3	27 306.1	9543.1
	45	18 186.6	9358.1	18 348.1	9464.8	18 509.9	9571.6	18 672.2	9678.5
75	50	09 529.6	9499.6	09 698.8	9606.4	09 868.3	9713.5	10 038.3	9820.6
83	55	800 872.7	9647.6	801 049.6	9754.7	801 226.9	929 861.9	801 404.6	939 969.3
91									
99	00	792 215.9	909 802.2	792 400.5	919 909.5	792 585.5	930 017.0	792 771.0	940 124.6
107	05	83 559.3	909 963.4	83 751.5	920 070.9	83 944.3	0178.6	84 137.5	0286.5
115	10	74 902.8	910 131.1	75 102.6	0238.9	75 303.2	0346.9	75 504.1	0455.0
123	15	66 246.4	0305.5	66 453.9	0413.5	66 662.2	0521.7	66 870.8	0630.1
	20	57 590.1	0486.4	57 805.4	0594.7	58 021.3	0703.2	58 237.7	0811.8
	25	48 934.0	0673.9	49 157.0	0782.5	49 380.5	0891.3	49 604.7	1000.1
	30	40 278.1	0868.0	40 508.7	0976.8	40 740.0	1085.9	40 971.9	1195.0
	35	31 622.3	1068.6	31 860.6	1177.8	32 099.6	1287.1	32 339.3	1396.6
	40	22 966.6	1275.8	23 212.6	1385.3	23 459.4	1495.0	23 706.8	1604.7
	45	14 311.0	1489.7	14 564.8	1599.5	14 819.3	1709.4	15 074.4	1819.5
76	50	705 655.7	1710.1	705 917.2	1820.2	706 179.4	1930.5	706 442.2	2040.9
84	55	697 000.5	1937.0	697 269.8	2047.5	697 539.6	2158.1	697 810.2	2268.8
92									
100	00	688 345.5	912 170.6	688 622.5	922 281.4	688 900.0	932 392.3	689 178.4	942 503.4
108	05	79 690.7	2410.7	79 975.4	2521.9	80 260.6	2633.2	80 546.7	2744.6
116	10	71 036.1	2657.4	71 328.4	2768.9	71 621.4	2880.6	71 915.2	2992.4
124	15	62 381.6	2910.7	62 681.7	3022.6	62 982.4	3134.6	63 283.9	3246.8
	20	53 727.4	3170.5	54 035.1	3282.8	54 343.6	3395.3	54 652.9	3507.8
	25	45 073.4	3437.0	45 388.7	3549.7	45 705.0	3662.5	46 022.0	3775.4
	30	36 419.6	3710.0	36 742.6	3823.1	37 066.6	3936.3	37 391.3	4049.7
	35	27 766.0	3989.6	28 096.7	4103.1	28 428.3	4216.8	28 760.9	4330.5
	40	19 112.6	4275.8	19 451.0	4389.7	19 790.3	4503.8	20 130.6	4617.9
	45	10 459.3	4568.5	10 805.5	4682.9	11 152.6	4797.4	11 500.5	4912.0
77	50	601 806.2	4867.9	602 160.2	4982.7	602 515.1	5097.6	602 870.8	5212.6
85	55	593 153.5	5173.8	593 515.2	5289.0	593 877.8	5404.4	594 241.2	5519.9
93									
101	00	584 501.0	915 486.3	584 870.4	925 602.0	585 240.8	935 717.8	585 611.9	945 833.8
109	05	75 848.7	5805.4	76 225.9	5921.5	76 603.9	6037.9	76 982.3	6154.3
117	10	67 196.7	6131.0	67 581.6	6247.7	67 967.3	6364.5	68 353.9	6481.4
125	15	58 545.0	6463.2	58 937.5	6580.4	59 331.0	6697.7	59 725.4	6815.1
	20	49 893.4	6802.0	50 293.6	6919.7	50 695.0	7037.5	51 097.1	7155.4
	25	41 242.1	7147.4	41 650.1	7265.6	42 059.2	7383.9	42 469.1	7502.3
	30	532 591.2	917 499.4	533 006.9	927 618.1	533 423.5	937 736.9	533 841.2	947 855.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 45′.		Lat. 31° 50′.		Lat. 31° 55′.		Lat. 32° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 466 158.8	947 855.8	1 465 740.2	957 974.6	1 465 320.5	968 093.5	1 464 900.2	978 212.5
100	35	57 530.9	7502.3	57 120.2	7620.6	56 708.3	7739.0	56 295.6	7857.5
108	40	48 902.9	7155.4	48 499.9	7273.2	48 095.8	7391.0	47 690.9	7509.0
116	45	40 274.6	6815.1	39 879.3	6932.4	39 483.0	7049.8	39 085.9	7167.3
69	50	31 646.1	6481.4	31 258.5	6598.2	30 870.0	6715.1	30 480.7	6832.1
77	55	23 017.2	6154.3	22 637.4	6270.6	22 256.7	6387.1	21 875.2	6503.6
85									
93	00	1 414 388.1	945 833.8	1 414 016.1	955 949.7	1 413 643.1	966 065.7	1 413 269.5	976 181.8
101	05	1 405 758.8	5519.9	1 405 394.5	5635.3	1 405 029.3	5750.9	1 404 663.5	5866.5
109	10	1 397 129.2	5212.6	1 396 772.7	5327.6	1 396 415.4	5442.7	1 396 057.4	5557.9
117	15	88 499.5	4912.0	88 150.7	5026.5	87 801.2	5141.2	87 450.9	5256.0
	20	79 869.4	4617.9	79 528.4	4732.1	79 186.6	4846.3	78 844.2	4960.6
	25	71 239.1	4330.5	70 905.9	4444.2	70 571.9	4558.0	70 237.3	4672.0
	30	62 608.7	4049.7	62 283.2	4163.0	61 957.0	4276.4	61 630.1	4389.9
	35	53 978.0	3775.4	53 660.3	3888.3	53 341.9	4001.4	53 022.7	4114.5
	40	45 347.1	3507.8	45 037.2	3620.3	44 726.5	3733.0	44 415.2	3845.8
	45	36 716.1	3246.8	36 414.0	3358.9	36 111.0	3471.2	35 807.5	3583.6
70	50	28 084.8	2992.4	27 790.4	3104.2	27 495.3	3216.1	27 199.5	3328.0
78	55	19 453.3	2744.6	19 166.7	2856.0	18 879.3	2967.6	18 591.4	3079.2
86									
94	00	1 310 821.6	942 503.4	1 310 542.9	952 614.5	1 310 263.2	962 725.7	1 309 983.1	972 837.0
102	05	1 302 189.8	2268.8	1 301 918.7	2379.6	1 301 646.9	2490.4	1 301 374.6	2601.4
110	10	1 293 557.8	2040.9	1 293 294.4	2151.3	1 293 030.3	2261.8	1 292 765.9	2372.5
118	15	84 925.6	1819.5	84 669.9	1929.6	84 413.6	2039.8	84 157.0	2150.1
	20	76 293.2	1604.7	76 045.3	1714.5	75 796.8	1824.4	75 547.9	1934.4
	25	67 660.7	1396.6	67 420.6	1506.1	67 179.9	1615.7	66 938.7	1725.4
	30	59 028.1	1195.0	58 795.7	1304.2	58 562.8	1413.5	58 329.3	1522.9
	35	50 395.3	1000.1	50 170.6	1109.0	49 945.5	1218.0	49 719.8	1327.2
	40	41 762.3	0811.8	41 545.4	0920.4	41 328.0	1029.2	41 110.2	1138.1
	45	33 129.2	0630.1	32 920.0	0738.4	32 710.4	0846.9	32 500.3	0955.6
71	50	24 495.9	0455.0	24 294.5	0563.1	24 092.7	0671.3	23 890.4	0779.7
79	55	15 862.5	0286.5	15 668.9	0394.3	15 474.8	0502.3	15 280.3	0610.5
87									
95	00	1 207 229.0	940 124.6	1 207 043.1	950 232.2	1 206 856.8	960 340.0	1 206 670.1	970 447.9
103	05	1 198 595.4	939 969.3	1 198 417.2	950 076.7	1 198 238.6	0184.2	1 198 059.7	0291.9
111	10	89 961.7	9820.6	89 791.3	949 927.8	89 620.4	960 035.1	89 449.3	970 142.6
119	15	81 327.8	9678.5	81 165.2	9785.5	81 002.0	959 892.6	80 838.7	969 999.9
	20	72 693.9	9543.1	72 539.0	9649.9	72 383.7	9756.8	72 228.1	9863.9
	25	64 059.8	9414.2	63 912.6	9520.8	63 765.1	9627.6	63 617.3	9734.5
	30	55 425.6	9292.0	55 286.2	9398.4	55 146.5	9505.0	55 006.5	9611.6
	35	46 791.3	9176.3	46 659.6	9282.6	46 527.7	9389.0	46 395.5	9495.6
	40	38 157.0	9067.3	38 033.1	9173.4	37 908.9	9279.7	37 784.4	9386.1
	45	29 522.6	8964.9	29 406.4	9070.9	29 290.0	9176.9	29 173.3	9283.2
72	50	20 888.1	8869.1	20 779.7	8974.9	20 671.0	9080.8	20 562.1	9187.0
80	55	12 253.5	8779.9	12 152.8	8885.6	12 051.9	8991.4	11 950.8	9097.4
88									
96	00	1 103 618.9	938 697.3	1 103 525.9	948 802.9	1 103 432.8	958 908.5	1 103 339.5	969 014.4
104	05	1 094 984.1	8621.3	1 094 898.8	8726.8	1 094 813.5	8832.3	1 094 727.9	8938.1
112	10	86 349.3	8551.9	86 271.8	8657.3	86 194.2	8762.7	86 116.4	8868.4
120	15	77 714.4	8489.1	77 644.7	8594.4	77 574.9	8699.8	77 504.9	8805.4
	20	69 079.6	8433.0	69 017.6	8538.2	68 955.6	8643.5	68 893.4	8749.0
	25	60 444.8	8383.4	60 390.6	8488.5	60 336.3	8593.8	60 281.8	8699.2
	30	51 810.0	8340.4	51 763.5	8445.5	51 717.0	8550.7	51 670.3	8656.1
	35	43 175.0	8304.1	43 136.2	8409.1	43 097.5	8514.2	43 058.6	8619.6
	40	34 540.0	8274.4	34 509.0	8379.3	34 478.0	8484.4	34 446.9	8589.7
	45	25 905.0	8251.2	25 881.8	8356.2	25 858.5	8461.2	25 835.1	8566.5
73	50	17 270.0	8234.7	17 254.5	8339.6	17 239.0	8444.7	17 223.4	8549.9
81	55	08 635.0	8224.8	08 627.2	8329.7	08 619.5	8434.7	08 611.7	8539.9
89									
97	00	1 000 000.0	938 221.5	1 000 000.0	948 326.4	1 000 000.0	958 431.4	1 000 000.0	968 536.6
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 31° 45′.		Lat. 31° 50′.		Lat. 31° 55′.		Lat. 32° 00′.	
		x	y	x	y	x	y	x	y
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
73									
81									
89									
97	00	1 000 000.0	938 221.5	1 000 000.0	948 326.4	1 000 000.0	958 431.4	1 000 000.0	968 536.6
105	05	991 365.0	8224.8	991 372.8	8329.7	991 380.5	8434.7	991 388.3	8539.9
113	10	82 730.0	8234.7	82 745.5	8339.6	82 761.0	8444.7	82 776.6	8549.9
121	15	74 095.0	8251.2	74 118.2	8356.2	74 141.5	8461.2	74 164.9	8566.5
	20	65 460.0	8274.4	65 491.0	8379.3	65 522.0	8484.4	65 553.1	8589.7
	25	56 825.0	8304.1	56 863.8	8409.1	56 902.5	8514.2	56 941.4	8619.6
	30	48 190.0	8340.4	48 236.5	8445.5	48 283.0	8550.7	48 329.7	8656.1
	35	39 555.2	8383.4	39 609.4	8488.5	39 663.7	8593.8	39 718.2	8699.2
	40	30 920.4	8433.0	30 982.4	8538.2	31 044.4	8643.5	31 106.6	8749.0
	45	22 285.6	8489.1	22 355.3	8594.4	22 425.1	8699.8	22 495.1	8805.4
74	50	13 650.7	8551.9	13 728.2	8657.3	13 805.8	8762.7	13 883.6	8868.4
82	55	905 015.9	8621.3	905 101.2	8726.8	905 186.5	8832.3	905 272.1	8938.1
90									
98	00	896 381.1	938 697.3	896 474.1	948 802.9	896 567.2	958 908.5	896 660.5	969 014.4
106	05	87 746.5	8779.9	87 847.2	8885.6	87 948.1	8991.4	88 049.2	9097.4
114	10	79 111.8	8869.1	79 220.3	8974.9	79 329.0	9080.8	79 437.9	9187.0
122	15	70 477.4	8964.9	70 593.6	9070.9	70 710.0	9176.9	70 826.7	9283.2
	20	61 843.0	9067.3	61 966.9	9173.4	62 091.1	9279.7	62 215.6	9386.1
	25	53 208.7	9176.3	53 340.4	9282.6	53 472.3	9389.0	53 604.5	9495.6
	30	44 574.4	9292.0	44 713.8	9398.4	44 853.5	9505.0	44 993.5	9611.6
	35	35 940.2	9414.2	36 087.4	9520.8	36 234.9	9627.6	36 382.7	9734.5
	40	27 306.1	9543.1	27 461.0	9649.9	27 616.3	9756.8	27 771.9	9863.9
	45	18 672.2	9678.5	18 834.8	9785.5	18 998.0	959 892.6	19 161.3	969 999.9
75	50	10 038.3	9820.6	10 208.7	949 927.8	10 379.6	960 035.1	10 550.7	970 142.6
83	55	801 404.6	939 969.3	801 582.8	950 076.7	801 761.4	0184.2	801 940.3	0291.9
91									
99	00	792 771.0	940 124.6	792 956.9	950 232.2	793 143.2	960 340.0	793 329.9	970 447.9
107	05	84 137.5	0286.5	84 331.1	0394.3	84 525.2	0502.3	84 719.7	0610.5
115	10	75 504.1	0455.0	75 705.5	0563.1	75 907.3	0671.3	76 109.6	0779.7
123	15	66 870.8	0630.1	67 080.0	0738.4	67 289.6	0846.9	67 499.7	0955.6
	20	58 237.7	0811.8	58 454.6	0920.4	58 672.0	1029.2	58 889.8	1138.1
	25	49 604.7	1000.1	49 829.4	1109.0	50 054.5	1218.0	50 280.2	1327.2
	30	40 971.9	1195.0	41 204.3	1304.2	41 437.2	1413.5	741 670.7	1522.9
	35	32 339.3	1396.6	32 579.4	1506.1	32 820.1	1615.7	33 061.3	1725.4
	40	23 706.8	1604.7	23 954.7	1714.5	24 203.2	1824.4	24 452.1	1934.4
	45	15 074.4	1819.5	15 330.1	1929.6	15 586.4	2039.8	15 843.0	2150.1
76	50	706 442.2	2040.9	706 705.6	2151.3	706 969.7	2261.8	707 234.1	2372.5
84	55	697 810.2	2268.8	698 081.3	2379.6	698 353.1	2490.4	698 625.4	2601.4
92									
100	00	689 178.4	942 503.4	689 457.1	952 614.5	689 736.8	962 725.7	690 016.9	972 837.0
108	05	80 546.7	2744.6	80 833.3	2856.0	81 120.7	2967.6	81 408.6	3079.2
116	10	71 915.2	2992.4	72 209.6	3104.2	72 504.7	3216.1	72 800.5	3328.0
124	15	63 283.9	3246.8	63 586.0	3358.9	63 889.0	3471.2	64 192.5	3583.6
	20	54 652.9	3507.8	54 962.8	3620.3	55 273.5	3733.0	55 584.8	3845.8
	25	46 022.0	3775.4	46 339.7	3888.3	46 658.1	4001.4	46 977.3	4114.5
	30	37 391.3	4049.7	37 716.8	4163.0	38 043.0	4276.4	38 369.9	4389.9
	35	28 760.9	4330.5	29 094.1	4444.2	29 428.1	4558.0	29 762.7	4672.0
	40	20 130.6	4617.9	20 471.6	4732.1	20 813.4	4846.3	21 155.8	4960.6
	45	11 500.5	4912.0	11 849.3	5026.5	12 198.8	5141.2	12 549.1	5256.0
77	50	602 870.8	5212.6	603 227.3	5327.6	603 584.6	5442.7	603 942.6	5557.9
85	55	594 241.2	5519.9	594 605.5	5635.3	594 970.7	5750.9	595 336.5	5866.5
93									
101	00	585 611.9	945 833.8	585 983.9	955 949.7	586 356.9	966 065.7	586 730.5	976 181.8
109	05	76 982.8	6154.3	77 362.6	6270.6	77 743.3	6387.1	78 124.8	6503.6
117	10	68 353.9	6481.4	68 741.5	6598.2	69 130.0	6715.1	69 519.3	6832.1
125	15	59 725.4	6815.1	60 120.7	6932.4	60 517.0	7049.8	60 914.1	7167.3
	20	51 097.1	7155.4	51 500.1	7273.2	51 904.2	7391.0	52 309.1	7509.0
	25	42 469.1	7502.3	42 879.8	7620.6	43 291.7	7739.0	43 704.4	7857.5
	30	533 841.2	947 855.8	534 259.8	957 974.6	534 679.5	968 093.5	535 099.8	978 212.5

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 00′.		Lat. 32° 05′.		Lat. 32° 10′.		Lat. 32° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 464 900.2	978 212.5	1 464 478.4	988 331.5	1 464 055.8	998 450.7	1 463 632.5	1 008 569.7
100	35	56 295.6	7857.5	55 881.7	7975.9	55 467.1	8094.6	55 051.5	8213.1
108	40	47 690.9	7509.0	47 284.9	7627.0	46 878.1	7745.2	46 470.3	7863.3
116	45	39 085.9	7167.3	38 687.8	7284.8	38 288.7	7402.5	37 888.9	7520.0
69	50	30 480.7	6832.1	30 090.4	6949.2	29 699.1	7066.4	29 307.2	7183.5
77	55	21 875.2	6503.6	21 492.7	6620.2	21 109.3	6737.0	20 725.2	6853.6
85									
93	00	1 413 269.5	976 181.8	1 412 894.8	986 297.9	1 412 519.3	996 414.2	1 412 143.0	1 006 530.4
101	05	1 404 663.5	5866.5	1 404 296.6	5982.2	1 403 929.0	6098.1	1 403 560.5	6213.8
109	10	1 396 057.4	5557.9	1 395 698.2	5673.1	1 395 338.5	5788.6	1 394 977.8	5903.9
117	15	87 450.9	5256.0	87 099.6	5370.8	86 747.7	5485.8	86 394.9	5600.7
	20	78 844.2	4960.6	78 500.8	5075.0	78 156.6	5189.6	77 811.7	5304.1
	25	70 237.3	4672.0	69 901.6	4785.9	69 565.3	4900.1	69 228.2	5014.2
	30	61 630.1	4389.9	61 302.2	4503.5	60 973.8	4617.3	60 644.6	4731.0
	35	53 022.7	4114.5	52 702.7	4227.7	52 382.1	4341.1	52 060.8	4454.4
	40	44 415.2	3845.8	44 103.0	3958.6	43 790.2	4071.6	43 476.7	4184.5
	45	35 807.5	3583.6	35 503.2	3696.0	35 198.2	3808.7	34 892.5	3921.2
70	50	27 199.5	3328.0	26 903.1	3440.2	26 605.9	3552.5	26 308.0	3664.6
78	55	18 591.4	3079.2	18 302.7	3191.0	18 013.3	3302.9	17 723.3	3414.7
86									
94	00	1 309 983.1	972 837.0	1 309 702.2	982 948.4	1 309 420.6	993 060.0	1 309 138.5	1 003 171.5
102	05	1 301 374.6	2601.4	1 301 101.5	2712.5	1 300 827.8	2823.7	1 300 553.5	2934.9
110	10	1 292 765.9	2372.5	1 292 500.6	2483.2	1 292 234.7	2594.1	1 291 968.3	2705.0
118	15	84 157.0	2150.1	83 899.5	2260.5	83 641.5	2371.2	83 382.9	2481.7
	20	75 547.9	1934.4	75 298.2	2044.6	75 048.1	2154.9	74 797.3	2265.1
	25	66 938.7	1725.4	66 696.8	1835.2	66 454.5	1945.2	66 211.6	2055.2
	30	58 329.3	1522.9	58 095.3	1632.5	57 860.7	1742.2	57 625.7	1851.9
	35	49 719.8	1327.2	49 493.6	1436.5	49 266.8	1545.9	49 039.7	1655.3
	40	41 110.2	1138.1	40 891.7	1247.1	40 672.8	1356.2	40 453.5	1465.4
	45	32 500.3	0955.6	32 289.7	1064.3	32 078.7	1173.2	31 867.1	1282.1
71	50	23 890.4	0779.7	23 687.6	0888.2	23 484.4	0996.9	23 280.6	1105.5
79	55	15 280.3	0610.5	15 085.4	0718.7	14 889.9	0827.2	14 694.0	0935.5
87									
95	00	1 206 670.1	970 447.9	1 206 482.9	980 555.9	1 206 295.3	990 664.1	1 206 107.3	1 000 772.3
103	05	1 198 059.7	0291.9	1 197 880.3	0399.7	1 197 700.5	0507.7	1 197 520.5	0615.6
111	10	89 449.3	970 142.6	89 277.6	0250.2	89 105.7	0358.0	88 933.4	0465.7
119	15	80 838.7	969 999.9	80 674.8	980 107.3	80 510.8	0214.9	80 346.3	0322.4
	20	72 228.1	9863.9	72 072.0	979 971.1	71 915.8	990 078.4	71 759.1	0185.8
	25	63 617.3	9734.5	63 469.0	9841.5	63 320.6	989 948.7	63 171.7	1 000 055.8
	30	55 006.5	9611.6	54 866.0	9718.5	54 725.4	9825.5	54 584.3	999 932.5
	35	46 395.5	9495.6	46 262.8	9602.2	46 130.0	9709.1	45 996.8	9815.9
	40	37 784.4	9386.1	37 659.6	9492.6	37 534.6	9599.3	37 409.2	9705.9
	45	29 173.3	9283.2	29 056.3	9389.6	28 939.1	9496.1	28 821.5	9602.6
72	50	20 562.1	9187.0	20 452.9	9293.2	20 343.5	9399.6	20 233.8	9506.0
80	55	11 950.8	9097.4	11 849.4	9203.6	11 747.8	9309.8	11 646.0	9416.0
88									
96	00	1 103 339.5	969 014.4	1 103 245.9	979 120.4	1 103 152.1	989 226.6	1 103 058.2	999 332.7
104	05	1 094 727.9	8938.1	1 094 642.1	9044.0	1 094 556.2	9150.0	1 094 470.1	9256.1
112	10	86 116.4	8868.4	86 038.4	8974.2	85 960.3	9080.2	85 882.0	9186.1
120	15	77 504.9	8805.4	77 434.7	8911.1	77 364.3	9016.9	77 293.9	9122.8
	20	68 893.4	8749.0	68 831.0	8854.6	68 768.4	8960.4	68 705.8	9066.2
	25	60 281.8	8699.2	60 227.2	8804.7	60 172.5	8910.5	60 117.7	9016.2
	30	51 670.3	8656.1	51 623.5	8761.5	51 576.6	8867.2	51 529.6	8972.9
	35	43 058.6	8619.6	43 019.6	8725.0	42 980.5	8830.6	42 941.3	8936.2
	40	34 446.9	8589.7	34 415.7	8694.9	34 384.4	8800.6	34 353.1	8906.2
	45	25 835.1	8566.5	25 811.7	8671.8	25 788.3	8777.3	25 764.8	8882.9
73	50	17 223.4	8549.9	17 207.8	8655.2	17 192.2	8760.7	17 176.5	8866.2
81	55	08 611.7	8539.9	08 603.9	8645.2	08 596.1	8750.7	08 588.3	8856.2
89									
97	00	1 000 000.0	968 536.6	1 000 000.0	978 641.9	1 000 000.0	988 747.4	1 000 000.0	998 852.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 00′.		Lat. 32° 05′.		Lat. 32° 10′.		Lat. 32° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	968 536.6	1 000 000.0	978 641.9	1 000 000.0	988 747.4	1 000 000.0	998 852.9
105	05	991 388.3	8539.9	991 396.1	8645.2	991 403.9	8750.7	991 411.7	8856.2
113	10	82 776.6	8549.9	82 792.2	8655.2	82 807.8	8760.7	82 823.5	8866.2
121	15	74 164.9	8566.5	74 188.3	8671.8	74 211.7	8777.3	74 235.2	8882.9
	20	65 553.1	8589.7	65 584.3	8694.9	65 615.6	8800.6	65 646.9	8906.2
	25	56 941.4	8619.6	56 980.4	8725.0	57 019.5	8830.6	57 058.7	8936.2
	30	48 329.7	8656.1	48 376.5	8761.5	48 423.4	8867.2	48 470.4	8972.9
	35	39 718.2	8699.2	39 772.8	8804.7	39 827.5	8910.5	39 882.3	9016.2
	40	31 106.6	8749.0	31 169.0	8854.6	31 231.6	8960.4	31 294.2	9066.2
	45	22 495.1	8805.4	22 565.3	8911.1	22 635.7	9016.9	22 706.1	9122.8
74	50	13 883.6	8868.4	13 961.6	8974.2	14 039.7	9080.2	14 118.0	9186.1
82	55	905 272.1	8938.1	905 357.9	9044.0	905 443.8	9150.0	905 529.9	9256.1
90									
98	00	896 660.5	969 014.4	896 754.1	979 120.4	896 847.9	989 226.6	896 941.8	999 332.7
106	05	88 049.2	9097.4	88 150.6	9203.6	88 252.2	9309.8	88 354.0	9416.0
114	10	79 437.9	9187.0	79 547.1	9293.2	79 656.5	9399.6	79 766.2	9506.0
122	15	70 826.7	9283.2	70 943.7	9389.6	71 060.9	9496.1	71 178.5	9602.6
	20	62 215.6	9386.1	62 340.4	9492.6	62 465.4	9599.3	62 590.8	9705.9
	25	53 604.5	9495.6	53 737.2	9602.2	53 870.0	9709.1	54 003.2	9815.9
	30	44 993.5	9611.6	45 134.0	9718.5	45 274.6	9825.5	45 415.7	999 932.5
	35	36 382.7	9734.5	36 531.0	9841.5	36 679.4	989 948.7	36 828.3	1 000 055.8
	40	27 771.9	9863.9	27 928.0	979 971.1	28 084.2	990 078.4	28 240.9	0185.8
	45	19 161.3	969 999.9	19 325.2	980 107.3	19 489.2	0214.9	19 653.7	0322.4
75	50	10 550.7	970 142.6	10 722.4	0250.2	10 894.3	0358.0	11 066.6	0465.7
83	55	801 940.3	0291.9	802 119.7	0399.7	802 299.5	0507.7	802 479.5	0615.6
91									
99	00	793 329.9	970 447.9	793 517.1	980 555.9	793 704.7	990 664.1	793 892.7	1 000 772.3
107	05	84 719.7	0610.5	84 914.6	0718.7	85 110.1	0827.2	85 306.0	0935.5
115	10	76 109.6	0779.7	76 312.4	0888.2	76 515.6	0996.9	76 719.4	1105.5
123	15	67 499.7	0955.6	67 710.3	1064.3	67 921.3	1173.2	68 132.9	1282.1
	20	58 889.8	1133.1	59 108.3	1247.1	59 327.2	1356.2	59 546.5	1465.4
	25	50 280.2	1 327.2	50 506.4	1436.5	50 733.2	1545.9	50 960.3	1655.3
	30	41 670.7	1522.9	41 904.7	1632.5	42 139.3	1742.2	42 374.3	1851.9
	35	33 061.3	1725.4	33 303.2	1835.2	33 545.5	1945.2	33 788.4	2055.2
	40	24 452.1	1934.4	24 701.8	2044.6	24 951.9	2154.9	25 202.7	2265.1
	45	15 843.0	2150.1	16 100.5	2260.5	16 358.5	2371.2	16 617.1	2481.7
76	50	707 234.1	2372.5	707 499.4	2483.2	707 765.2	2594.1	708 031.7	2705.0
84	55	698 625.4	2601.4	698 898.5	2712.5	699 172.2	2823.7	699 446.5	2934.9
92									
100	00	690 016.9	972 837.0	690 297.8	982 948.4	690 579.4	993 060.0	690 861.5	1 003 171.5
108	05	81 408.6	3079.2	81 697.3	3191.0	81 986.7	3302.9	82 276.7	3414.7
116	10	72 800.5	3328.0	73 096.9	3440.2	73 394.1	3552.5	73 692.0	3664.6
124	15	64 192.5	3583.6	64 496.8	3696.0	64 801.8	3808.7	65 107.5	3921.2
	20	55 584.8	3845.8	55 897.0	3958.6	56 209.8	4071.6	56 523.3	4184.5
	25	46 977.3	4114.5	47 297.3	4227.7	47 617.9	4341.1	47 939.2	4454.4
	30	38 369.9	4389.9	38 697.8	4503.5	39 026.2	4617.3	39 355.4	4731.0
	35	29 762.7	4672.0	30 098.4	4785.9	30 434.7	4900.1	30 771.8	5014.2
	40	21 155.8	4960.6	21 499.2	5075.0	21 843.4	5189.6	22 188.3	5304.1
	45	12 549.1	5256.0	12 900.4	5370.8	13 252.3	5485.8	13 605.1	5600.7
77	50	603 942.6	5557.9	604 301.8	5673.1	604 661.5	5788.6	605 022.2	5903.9
85	55	595 336.5	5866.5	595 703.4	5982.2	596 071.0	6098.1	596 439.5	6213.8
93									
101	00	586 730.5	976 181.8	587 105.2	986 297.9	587 480.7	996 414.2	587 857.0	1 006 530.4
109	05	78 124.8	6503.6	78 507.3	6620.2	78 890.7	6737.0	79 274.8	6853.6
117	10	69 519.3	6832.1	69 909.6	6949.2	70 300.9	7066.4	70 692.8	7183.5
125	15	60 914.1	7167.3	61 312.2	7284.8	61 711.3	7402.5	62 111.1	7520.0
	20	52 309.1	7509.0	52 715.1	7627.0	53 121.9	7745.2	53 529.7	7863.3
	25	43 704.4	7857.5	44 118.3	7975.9	44 532.9	8094.6	44 948.5	8213.1
	30	535 099.8	978 212.5	535 521.6	988 331.5	535 944.2	998 450.7	536 367.5	1 008 569.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 15′.		Lat. 32° 20′.		Lat. 32° 25′.		Lat. 32° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 463 632.5	1 008 569.7	1 463 207.8	1 018 689.0	1 462 782.2	1 028 808.2	1 462 355.9	1 038 927.5
100	35	55 051.5	8213.1	54 634.8	8332.0	54 217.1	8450.7	53 798.7	8569.5
108	40	46 470.3	7863.3	46 061.5	7981.6	45 651.8	8099.8	45 241.3	8218.1
116	45	37 888.9	7520.0	37 488.0	7637.9	37 086.1	7755.6	36 683.5	7873.5
69	50	29 307.2	7183.5	28 914.1	7300.9	28 520.1	7418.2	28 125.4	7535.6
77	55	20 725.2	6853.6	20 340.0	6970.5	19 953.9	7087.3	19 567.2	7204.3
85									
93	00	1 412 143.0	1 006 530.4	1 411 765.7	1 016 646.8	1 411 387.5	1 026 763.2	1 411 008.7	1 036 879.7
101	05	1 403 560.5	6213.8	1 403 191.1	6329.8	1 402 820.8	6445.8	1 402 449.8	6561.9
109	10	1 394 977.8	5903.9	1 394 616.3	6019.5	1 394 253.9	6135.0	1 393 890.7	6250.7
117	15	86 394.9	5600.7	86 041.2	5715.9	85 686.7	5831.0	85 331.5	5946.2
	20	77 811.7	5304.1	77 465.8	5418.9	77 119.2	5533.6	76 772.0	5648.4
	25	69 228.2	5014.2	68 890.3	5128.6	68 551.6	5242.9	68 212.3	5357.3
	30	60 644.6	4731.0	60 314.5	4844.9	59 983.7	4958.8	59 652.3	5072.9
	35	52 060.8	4454.4	51 738.5	4568.0	51 415.7	4681.5	51 092.1	4795.2
	40	43 476.7	4184.5	43 162.4	4297.7	42 847.4	4410.8	42 531.7	4524.1
	45	34 892.5	3921.2	34 586.1	4034.1	34 278.9	4146.9	33 971.1	4259.8
70	50	26 308.0	3664.6	26 009.5	3777.1	25 710.2	3889.6	25 410.3	4002.2
78	55	17 723.3	3414.7	17 432.7	3526.9	17 141.2	3639.0	16 849.3	3751.2
86									
94	00	1 309 138.5	1 003 171.5	1 308 855.7	1 013 283.3	1 308 572.1	1 023 395.0	1 308 288.1	1 033 506.9
102	05	1 300 553.5	2934.9	1 300 278.5	3046.4	1 300 002.8	3157.8	1 299 726.7	3269.4
110	10	1 291 968.3	2705.0	1 291 701.1	2816.1	1 291 433.4	2927.2	91 165.1	3038.5
118	15	83 382.9	2481.7	83 123.5	2592.5	82 863.7	2703.4	82 603.3	2814.3
	20	74 797.3	2265.1	74 545.8	2375.7	74 293.8	2486.2	74 041.4	2596.8
	25	66 211.6	2055.2	65 968.0	2165.4	65 723.8	2275.6	65 479.3	2386.0
	30	57 625.7	1851.9	57 390.0	1961.9	57 153.7	2071.8	56 917.1	2181.9
	35	49 039.7	1655.3	48 811.8	1765.0	48 583.5	1874.7	48 354.7	1984.5
	40	40 453.5	1465.4	40 233.5	1574.8	40 013.0	1684.2	39 792.2	1793.8
	45	31 867.1	1282.1	31 655.0	1391.3	31 442.4	1500.4	31 229.5	1609.8
71	50	23 280.6	1105.5	23 076.4	1214.4	22 871.7	1323.3	22 666.6	1432.4
79	55	14 694.0	0935.5	14 497.7	1044.2	14 300.8	1152.9	14 103.5	1261.8
87									
95	00	1 206 107.3	1 000 772.3	1 205 918.8	1 010 880.7	1 205 729.7	1 020 989.2	1 205 540.4	1 031 097.8
103	05	1 197 520.5	0615.6	1 197 339.7	0723.9	1 197 158.5	0832.1	1 196 977.1	0940.5
111	10	88 933.4	0465.7	88 760.6	0573.7	88 587.3	0681.8	88 413.8	0790.0
119	15	80 346.3	0322.4	80 181.3	0430.3	80 015.9	0538.1	79 850.3	0646.1
	20	71 759.1	0185.8	71 602.0	0293.4	71 444.5	0401.1	71 286.8	0508.9
	25	63 171.7	1 000 055.8	63 022.5	0163.3	62 872.9	0270.8	62 723.1	0378.4
	30	54 584.3	999 932.5	54 443.0	1 010 039.8	54 301.2	0147.1	54 159.3	0254.6
	35	45 996.8	9815.9	45 863.3	1 009 923.1	45 729.4	1 020 030.2	45 595.4	0137.5
	40	37 409.2	9705.9	37 283.6	9812.9	37 157.6	1 019 919.9	37 031.4	1 030 027.1
	45	28 821.5	9602.6	28 703.8	9709.5	28 585.7	9816.3	28 467.3	1 029 923.4
72	50	20 233.8	9506.0	20 123.9	9612.7	20 013.7	9719.4	19 903.2	9826.3
80	55	11 646.0	9416.0	11 543.9	9522.6	11 441.6	9629.2	11 339.0	9736.0
88									
96	00	1 103 058.2	999 332.7	1 102 963.9	1 009 439.2	1 102 869.4	1 019 545.7	1 102 774.7	1 029 652.3
104	05	1 094 470.1	9256.1	1 094 383.6	9362.5	1 094 297.1	9468.8	1 094 210.2	9575.4
112	10	85 882.0	9186.1	85 803.4	9292.4	85 724.7	9398.6	85 645.8	9505.1
120	15	77 293.9	9122.8	77 223.2	9229.0	77 152.4	9335.2	77 081.3	9441.5
	20	68 705.8	9066.2	68 643.0	9172.3	68 580.0	9278.4	68 516.8	9384.6
	25	60 117.7	9016.2	60 062.7	9122.2	60 007.7	9228.2	59 952.4	9334.5
	30	51 529.6	8972.9	51 482.5	9078.8	51 435.3	9184.8	51 387.9	9291.0
	35	42 941.3	8936.2	42 902.1	9042.1	42 862.8	9148.0	42 823.3	9254.2
	40	34 353.1	8906.2	34 321.7	9012.1	34 290.2	9118.0	34 258.6	9224.0
	45	25 764.8	8882.9	25 741.2	8988.7	25 717.7	9094.5	25 694.0	9200.6
73	50	17 176.5	8866.2	17 160.8	8972.0	17 145.1	9077.9	17 129.3	9183.9
81	55	08 588.3	8856.2	08 580.4	8962.0	08 572.6	9067.8	08 564.7	9173.8
89									
97	00	1 000 000.0	998 852.9	1 000 000.0	1 008 958.7	1 000 000.0	1 019 064.5	1 000 000.0	1 029 170.5
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 15′.		Lat. 32° 20′.		Lat. 32° 25′.		Lat. 32° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	998 852.9	1 000 000.0	1 008 958.7	1 000 000.0	1 019 064.5	1 000 000.0	1 029 170.5
105	05	991 411.7	8856.2	991 419.6	8962.0	991 427.4	9067.8	991 435.3	9173.8
113	10	82 823.5	8866.2	82 839.2	8972.0	82 854.9	9077.9	82 870.7	9183.9
121	15	74 235.2	8882.9	74 258.8	8988.7	74 282.3	9094.5	74 306.0	9200.6
	20	65 646.9	8906.2	65 678.3	9012.1	65 709.8	9118.0	65 741.4	9224.0
	25	57 058.7	8936.2	57 097.9	9042.1	57 137.2	9148.0	57 176.7	9254.2
	30	48 470.4	8972.9	48 517.5	9078.8	48 564.7	9184.8	48 612.1	9291.0
	35	39 882.3	9016.2	39 937.3	9122.2	39 992.3	9228.2	40 047.6	9334.5
	40	31 294.2	9066.2	31 357.0	9172.3	31 420.0	9278.4	31 483.2	9384.6
	45	22 706.1	9122.8	22 776.8	9229.0	22 847.6	9335.2	22 918.7	9441.5
74	50	14 118.0	9186.1	14 196.6	9292.4	14 275.3	9398.6	14 354.2	9505.1
82	55	905 529.9	9256.1	905 616.4	9362.5	905 702.9	9468.8	905 789.8	9575.4
90									
98	00	896 941.8	999 332.7	897 036.1	1 009 439.2	897 130.6	1 019 545.7	897 225.3	1 029 652.3
106	05	88 354.0	9416.0	88 456.1	9522.6	88 558.4	9629.2	88 661.0	9736.0
114	10	79 766.2	9506.0	79 876.1	9612.7	79 986.3	9719.4	80 096.8	9826.3
122	15	71 178.5	9602.6	71 296.2	9709.5	71 414.3	9816.3	71 532.7	1 029 923.4
	20	62 590.8	9705.9	62 716.4	9812.9	62 842.4	1 019 919.9	62 968.6	1 030 027.1
	25	54 003.2	9815.9	54 136.7	1 009 923.1	54 270.5	1 020 030.2	54 404.6	0137.5
	30	45 415.7	999 932.5	45 557.0	1 010 039.8	45 698.8	0147.1	45 840.7	0254.6
	35	36 828.3	1 000 055.8	36 977.5	0163.3	37 127.1	0270.8	37 276.9	0378.4
	40	28 240.9	0185.8	28 398.0	0293.4	28 555.5	0401.1	28 713.2	0508.9
	45	19 653.7	0322.4	19 818.7	0430.3	19 984.1	0538.1	20 149.7	0646.1
75	50	11 066.6	0465.7	11 239.4	0573.7	11 412.7	0681.8	11 586.2	0790.0
83	55	802 479.5	0615.6	802 660.3	0723.9	802 841.5	0832.1	803 022.9	0940.5
91									
99	00	793 892.7	1 000 772.3	794 081.2	1 010 880.7	794 270.3	1 020 989.2	794 459.6	1 031 097.8
107	05	85 306.0	0935.5	85 502.3	1044.2	85 699.2	1152.9	85 896.5	1261.8
115	10	76 719.4	1105.5	76 923.6	1214.4	77 128.3	1323.3	77 333.4	1432.4
123	15	68 132.9	1282.1	68 345.0	1391.3	68 557.6	1500.4	68 770.5	1609.8
	20	59 546.5	1465.4	59 766.5	1574.8	59 987.0	1684.2	60 207.8	1793.8
	25	50 960.3	1655.3	51 188.2	1765.0	51 416.5	1874.7	51 645.3	1984.5
	30	42 374.3	1851.9	42 610.0	1961.9	42 846.3	2071.8	43 082.9	2181.9
	35	33 788.4	2055.2	34 032.0	2165.4	34 276.2	2275.6	34 520.7	2386.0
	40	25 202.7	2265.1	25 454.2	2375.7	25 706.2	2486.2	25 958.6	2596.8
	45	16 617.1	2481.7	16 876.5	2592.5	17 136.3	2703.4	17 396.7	2814.3
76	50	708 031.7	2705.0	708 298.9	2816.1	708 566.6	2927.2	08 834.9	3038.5
84	55	699 446.5	2934.9	699 721.5	3046.4	699 997.2	3157.8	700 273.3	3269.4
92									
100	00	690 861.5	1 003 171.5	691 144.3	1 013 283.3	691 427.9	1 023 395.0	691 711.9	1 033 506.9
108	05	82 276.7	3414.7	82 567.3	3526.9	82 858.8	3639.0	83 150.7	3751.2
116	10	73 692.0	3664.6	73 990.5	3777.1	74 289.8	3889.6	74 589.7	4002.2
124	15	65 107.5	3921.2	65 413.9	4034.1	65 721.1	4146.9	66 028.9	4259.8
	20	56 523.3	4184.5	56 837.6	4297.7	57 152.6	4410.8	57 468.3	4524.1
	25	47 939.2	4454.4	48 261.5	4568.0	48 584.3	4681.5	48 907.9	4795.2
	30	39 355.4	4731.0	39 685.5	4844.9	40 016.3	4958.8	40 347.7	5072.9
	35	30 771.8	5014.2	31 109.7	5128.6	31 448.4	5242.9	31 787.7	5357.3
	40	22 188.3	5304.1	22 534.2	5418.9	22 880.8	5533.6	23 228.0	5648.4
	45	13 605.1	5600.7	13 958.8	5715.9	14 313.3	5831.0	14 668.5	5946.2
77	50	605 022.2	5903.9	605 383.7	6019.5	605 746.1	6135.0	606 109.3	6250.7
85	55	596 439.5	6213.8	596 808.9	6329.8	597 179.2	6445.8	597 550.2	6561.9
93									
101	00	587 857.0	1 006 530.4	588 234.3	1 016 646.8	588 612.5	1 026 763.2	588 991.3	1 036 879.7
109	05	79 274.8	6853.6	79 660.0	6970.5	80 046.1	7087.3	80 432.8	7204.3
117	10	70 692.8	7183.5	71 085.9	7300.9	71 479.9	7418.2	71 874.6	7535.6
125	15	62 111.1	7520.0	62 512.0	7637.9	62 913.9	7755.6	63 316.5	7873.5
	20	53 529.7	7863.3	53 938.4	7981.6	54 348.2	8099.8	54 758.7	8218.1
	25	44 948.5	8213.1	45 365.2	8332.0	45 782.9	8450.7	46 201.3	8569.5
	30	536 367.5	1 008 569.7	536 792.2	1 018 689.0	537 217.8	1 028 808.2	537 644.1	1 038 927.5

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 30′.		Lat. 32° 35′.		Lat. 32° 40′.		Lat. 32° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 462 355.9	1 038 927.5	1 461 928.3	1 049 046.8	1 461 499.7	1 059 166.3	1 461 070.5	1 069 286.7
100	35	53 798.7	8569.5	53 379.0	8688.3	52 958.4	8807.3	52 537.2	8926.2
108	40	45 241.3	8218.1	44 829.5	8336.5	44 416.9	8455.0	44 003.6	8573.5
116	45	36 683.5	7873.5	36 279.7	7991.4	35 875.1	8109.4	35 469.7	8227.5
69	50	28 125.4	7535.6	27 729.6	7653.0	27 333.0	7770.6	26 935.6	7888.1
77	55	19 567.2	7204.3	19 179.3	7321.3	18 790.6	7438.4	18 401.1	7555.5
85									
93	00	1 411 008.7	1 036 879.7	1 410 628.7	1 046 996.3	1 410 247.9	1 057 113.0	1 409 866.4	1 067 229.6
101	05	1 402 449.8	6561.9	1 402 077.8	6678.0	1 401 705.0	6794.3	1 401 331.4	6910.5
109	10	1 393 890.7	6250.7	1 393 526.7	6366.4	1 393 161.8	6482.2	1 392 796.2	6598.0
117	15	85 331.5	5946.2	84 975.4	6061.5	84 618.4	6176.9	84 260.8	6292.3
	20	76 772.0	5648.4	76 423.8	5763.3	76 074.8	5878.3	75 725.1	5993.3
	25	68 212.3	5357.3	67 872.0	5471.8	67 530.9	5586.4	67 189.2	5701.0
	30	59 652.3	5072.9	59 320.0	5187.0	58 986.8	5301.2	58 653.1	5415.5
	35	51 092.1	4795.2	50 767.7	4908.9	50 442.5	5022.8	50 116.7	5136.6
	40	42 531.7	4524.1	42 215.2	4637.5	41 897.9	4751.0	41 580.2	4864.5
	45	33 971.1	4259.8	33 662.5	4372.8	33 353.2	4486.0	33 043.4	4599.1
70	50	25 410.3	4002.2	25 109.7	4114.8	24 808.3	4227.6	24 506.4	4340.4
78	55	16 849.3	3751.2	16 556.6	3863.5	16 263.1	3976.0	15 969.2	4088.4
86									
94	00	1 308 288.1	1 033 506.9	1 308 003.3	1 043 618.9	1 307 717.8	1 053 731.1	1 307 431.8	1 063 843.2
102	05	1 299 726.7	3269.4	1 299 449.8	3381.0	1 299 172.2	3492.9	1 298 894.2	3604.7
110	10	91 165.1	3038.5	90 896.1	3149.8	90 626.5	3261.4	90 356.5	3372.9
118	15	82 603.3	2814.3	82 342.2	2925.3	82 080.6	3036.6	81 818.5	3147.8
	20	74 041.4	2596.8	73 788.2	2707.6	73 534.6	2818.5	73 280.3	2929.4
	25	65 479.3	2386.0	65 234.1	2496.5	64 988.3	2607.1	64 742.0	2717.7
	30	56 917.1	2181.9	56 679.8	2292.1	56 441.9	2402.5	56 203.6	2512.8
	35	48 354.7	1984.5	48 125.3	2094.4	47 895.4	2204.5	47 665.0	2314.6
	40	39 792.2	1793.8	39 570.6	1903.4	39 348.7	2013.3	39 126.2	2123.1
	45	31 229.5	1609.8	31 015.8	1719.2	30 801.8	1828.7	30 587.3	1938.3
71	50	22 666.6	1432.4	22 460.9	1541.6	22 254.8	1650.9	22 048.3	1760.3
79	55	14 103.5	1261.8	13 905.8	1370.7	13 707.7	1479.8	13 509.1	1588.9
87									
95	00	1 205 540.4	1 031 097.8	1 205 350.6	1 041 206.5	1 205 160.4	1 051 315.4	1 204 969.8	1 061 424.3
103	05	1 196 977.1	0940.5	1 196 795.2	1049.0	1 196 613.0	1157.7	1 196 430.2	1266.4
111	10	88 413.8	0790.0	88 239.8	0898.3	88 065.5	1006.7	87 890.7	1115.2
119	15	79 850.3	0646.1	79 684.2	0754.2	79 517.8	0862.5	79 351.0	0970.8
	20	71 286.8	0508.9	71 128.6	0616.8	70 970.1	0724.9	70 811.2	0833.0
	25	62 723.1	0378.4	62 572.8	0486.1	62 422.2	0594.1	62 271.3	0702.0
	30	54 159.3	0254.6	54 017.0	0362.2	53 874.3	0469.9	53 731.3	0577.7
	35	45 595.4	0137.5	45 461.0	0244.9	45 326.2	0352.5	45 191.2	0460.1
	40	37 031.4	1 030 027.1	36 904.9	0134.3	36 778.1	0241.8	36 651.0	0349.2
	45	28 467.3	1 029 923.4	28 348.7	1 040 030.5	28 229.8	0137.8	28 110.7	0245.1
72	50	19 903.2	9826.3	19 792.5	1 039 933.3	19 681.5	1 050 040.5	19 570.4	0147.7
80	55	11 339.0	9736.0	11 236.2	9842.8	11 133.2	1 049 949.9	11 029.9	1 060 057.0
88									
96	00	1 102 774.7	1 029 652.3	1 102 679.9	1 039 759.1	1 102 584.8	1 049 866.0	1 102 489.4	1 059 973.0
104	05	1 094 210.2	9575.4	1 094 123.3	9682.0	1 094 036.1	9788.9	1 093 948.7	9895.7
112	10	85 645.8	9505.1	85 566.8	9611.7	85 487.5	9718.4	85 408.0	9825.1
120	15	77 081.3	9441.5	77 010.2	9548.0	76 938.8	9654.7	76 867.3	9761.3
	20	68 516.8	9384.6	68 453.6	9491.0	68 390.2	9597.6	68 326.7	9704.2
	25	59 952.4	9334.5	59 897.1	9440.8	59 841.5	9547.3	59 786.0	9653.8
	30	51 387.9	9291.0	51 340.5	9397.2	51 292.9	9503.7	51 245.3	9610.1
	35	42 823.3	9254.2	42 783.8	9360.4	42 744.1	9466.8	42 704.4	9573.2
	40	34 258.6	9224.0	34 227.0	9330.2	34 195.3	9436.6	34 163.5	9542.9
	45	25 694.0	9200.6	25 670.3	9306.8	25 646.4	9413.1	25 622.6	9519.4
73	50	17 129.3	9183.9	17 113.5	9290.0	17 097.6	9396.3	17 081.8	9502.6
81	55	08 564.7	9173.8	08 556.8	9280.0	08 548.8	9386.2	08 540.9	9492.5
89									
97	00	1 000 000.0	1 029 170.5	1 000 000.0	1 039 276.6	1 000 000.0	1 049 382.9	1 000 000.0	1 059 489.2
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 30′.		Lat. 32° 35′.		Lat. 32° 40′.		Lat. 32° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 029 170.5	1 000 000.0	1 039 276.6	1 000 000.0	1 049 382.9	1 000 000.0	1 059 489.2
105	05	991 435.3	9173.8	991 443.2	9280.0	991 451.2	9386.2	991 459.1	9492.5
113	10	82 870.7	9183.9	82 886.5	9290.0	82 902.4	9396.3	82 918.2	9502.6
121	15	74 306.0	9200.6	74 329.7	9306.8	74 353.6	9413.1	74 377.4	9519.4
	20	65 741.4	9224.0	65 773.0	9330.2	65 804.7	9436.6	65 836.5	9542.9
	25	57 176.7	9254.2	57 216.2	9360.4	57 255.9	9466.8	57 295.6	9573.2
	30	48 612.1	9291.0	48 659.5	9397.2	48 707.1	9503.7	48 754.7	9610.1
	35	40 047.6	9334.5	40 102.9	9440.8	40 158.5	9547.3	40 214.0	9653.8
	40	31 483.2	9384.6	31 546.4	9491.0	31 609.8	9597.6	31 673.3	9704.2
	45	22 918.7	9441.5	22 989.8	9548.0	23 061.2	9654.7	23 132.7	9761.3
74	50	14 354.2	9505.1	14 433.2	9611.7	14 512.5	9718.4	14 592.0	9825.1
82	55	905 789.8	9575.4	905 876.7	9682.0	905 963.9	9788.9	906 051.3	9895.7
90									
98	00	897 225.3	1 029 652.3	897 320.1	1 039 759.1	897 415.2	1 049 866.0	897 510.6	1 059 973.0
106	05	88 661.0	9736.0	88 763.8	9842.8	88 866.8	1 049 949.9	88 970.1	1 060 057.0
114	10	80 096.8	9826.3	80 207.5	1 039 933.3	80 318.5	1 050 040.5	80 429.6	0147.7
122	15	71 532.7	1 029 923.4	71 651.3	1 040 030.5	71 770.2	0137.8	71 889.3	0245.1
	20	62 968.6	1 030 027.1	63 095.1	0134.3	63 221.9	0241.8	63 349.0	0349.2
	25	54 404.6	0137.5	54 539.0	0244.9	54 673.8	0352.5	54 808.8	0460.1
	30	45 840.7	0254.6	45 983.0	0362.2	46 125.7	0469.9	46 268.7	0577.7
	35	37 276.9	0378.4	37 427.2	0486.1	37 577.8	0594.1	37 728.7	0702.0
	40	28 713.2	0508.9	28 871.4	0616.8	29 029.9	0724.9	29 188.8	0833.0
	45	20 149.7	0646.1	20 315.8	0754.2	20 482.2	0862.5	20 649.0	0970.8
75	50	11 586.2	0790.0	11 760.2	0898.3	11 934.5	1006.7	12 109.3	1115.2
83	55	803 022.9	0940.5	803 204.8	1049.0	803 387.0	1157.7	803 569.8	1266.4
91									
99	00	794 459.6	1 031 097.8	794 649.4	1 041 206.5	794 839.6	1 051 315.4	795 030.2	1 061 424.3
107	05	85 896.5	1261.8	86 094.2	1370.7	86 292.3	1479.8	86 490.9	1588.9
115	10	77 333.4	1432.4	77 539.1	1541.6	77 745.2	1650.9	77 951.7	1760.3
123	15	68 770.5	1609.8	68 984.2	1719.2	69 198.2	1828.7	69 412.7	1938.3
	20	60 207.8	1793.8	60 429.4	1903.4	60 651.3	2013.3	60 873.8	2123.1
	25	51 645.3	1984.5	51 874.7	2094.4	52 104.6	2204.5	52 335.0	2314.6
	30	43 082.9	2181.9	43 320.2	2292.1	43 558.1	2402.5	43 796.4	2512.8
	35	34 520.7	2386.0	34 765.9	2496.5	35 011.7	2607.1	35 258.0	2717.7
	40	25 958.6	2596.8	26 211.8	2707.6	26 465.4	2818.5	26 719.7	2929.4
	45	17 396.7	2814.3	17 657.8	2925.3	17 919.4	3036.6	18 181.5	3147.8
76	50	08 834.9	3038.5	09 103.9	3149.8	09 373.5	3261.4	09 643.5	3372.9
84	55	700 273.3	3269.4	700 550.2	3381.0	700 827.8	3492.9	701 105.8	3604.7
92									
100	00	691 711.9	1 033 506.9	691 996.7	1 043 618.9	692 282.2	1 053 731.1	692 568.2	1 063 843.2
108	05	83 150.7	3751.2	83 443.4	3863.5	83 736.9	3976.0	84 030.8	4088.4
116	10	74 589.7	4002.2	74 890.3	4114.8	75 191.7	4227.6	75 493.6	4340.4
124	15	66 028.9	4259.8	66 337.5	4372.8	66 646.8	4486.0	66 956.6	4599.1
	20	57 468.3	4524.1	57 784.8	4637.5	58 102.1	4751.0	58 419.8	4864.5
	25	48 907.9	4795.2	49 232.3	4908.9	49 557.5	5022.8	49 883.3	5136.6
	30	40 347.7	5072.9	40 680.0	5187.0	41 013.2	5301.2	41 346.9	5415.5
	35	31 787.7	5357.3	32 128.0	5471.8	32 469.1	5586.4	32 810.8	5701.0
	40	23 228.0	5648.4	23 576.2	5763.3	23 925.2	5878.3	24 274.9	5993.3
	45	14 668.5	5946.2	15 024.6	6061.5	15 381.6	6176.9	15 739.2	6292.3
77	50	606 109.3	6250.7	606 473.3	6366.4	606 838.2	6482.2	607 203.8	6598.0
85	55	597 550.2	6561.9	597 922.2	6678.0	598 295.0	6794.3	598 668.6	6910.5
93									
101	00	588 991.3	1 036 879.7	589 371.3	1 046 996.3	589 752.1	1 057 113.0	590 133.6	1 067 229.6
109	05	80 432.8	7204.3	80 820.7	7321.3	81 209.4	7438.4	81 598.9	7555.5
117	10	71 874.6	7535.6	72 270.4	7653.0	72 667.0	7770.6	73 064.4	7888.1
125	15	63 316.5	7873.5	63 720.3	7991.4	64 124.9	8109.4	64 530.3	8227.5
	20	54 758.7	8218.1	55 170.5	8336.5	55 583.1	8455.0	55 996.4	8573.5
	25	46 201.3	8569.5	46 621.0	8688.3	47 041.6	8807.3	47 462.8	8926.2
	30	537 644.1	1 038 927.5	538 071.7	1 049 046.8	538 500.3	1 059 166.3	538 929.5	1 069 285.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 45′.		Lat. 32° 50′.		Lat. 32° 55′.		Lat. 33° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 461 070.5	1 069 285.7	1 460 640.2	1 079 405.2	1 460 208.6	1 089 524.8	1 459 776.4	1 099 644.6
100	35	52 537.2	8926.2	52 114.8	9045.2	51 691.2	9164.4	51 267.0	9283.7
108	40	44 003.6	8573.5	43 589.2	8692.0	43 173.6	8810.7	42 757.4	8929.6
116	45	35 469.7	8227.5	35 063.2	8345.5	34 655.8	8463.7	34 247.6	8582.2
69	50	26 935.6	7888.1	26 537.0	8005.8	26 137.7	8123.5	25 737.5	8241.5
77	55	18 401.1	7555.5	18 010.6	7672.7	17 619.2	7790.1	17 227.0	7907.6
85									
93	00	1 409 866.4	1 067 229.6	1 409 484.0	1 077 346.4	1 409 100.5	1 087 463.3	1 408 716.3	1 097 580.4
101	05	1 401 331.4	6910.5	1 400 957.0	7026.8	1 400 581.5	7143.3	1 400 205.4	7260.0
109	10	1 392 796.2	6598.0	1 392 429.7	6714.0	1 392 062.3	6830.1	1 391 694.2	6946.3
117	15	84 260.8	6292.3	83 902.2	6407.9	83 542.8	6523.5	83 182.8	6639.4
	20	75 725.1	5993.3	75 374.5	6108.5	75 023.1	6223.7	74 671.1	6339.2
	25	67 189.2	5701.0	66 846.6	5815.8	66 503.2	5930.7	66 159.2	6045.8
	30	58 653.1	5415.5	58 318.5	5529.9	57 983.0	5644.4	57 647.0	5759.1
	35	50 116.7	5136.6	49 790.1	5250.7	49 462.6	5364.8	49 134.6	5479.1
	40	41 580.2	4864.5	41 261.5	4978.2	40 942.0	5092.0	40 622.0	5205.9
	45	33 043.4	4599.1	32 732.7	4712.4	32 421.3	4825.8	32 109.2	4939.4
70	50	24 506.4	4340.4	24 203.7	4453.4	23 900.3	4566.5	23 596.3	4679.8
78	55	15 969.2	4088.4	15 674.4	4201.1	15 379.0	4313.9	15 083.0	4426.8
86									
94	00	1 307 431.8	1 063 843.2	1 307 145.0	1 073 955.5	1 306 857.5	1 084 068.0	1 306 569.6	1 094 180.6
102	05	1 298 894.2	3604.7	1 298 615.4	3716.7	1 298 335.9	3828.8	1 298 056.0	3941.1
110	10	90 356.5	3372.9	90 085.6	3484.6	89 814.1	3596.4	89 542.2	3708.4
118	15	81 818.5	3147.8	81 555.7	3259.2	81 292.1	3370.7	81 028.2	3482.4
	20	73 280.3	2929.4	73 025.5	3040.5	72 769.9	3151.7	72 514.0	3263.2
	25	64 742.0	2717.7	64 495.2	2828.6	64 247.6	2939.5	63 999.7	3050.7
	30	56 203.6	2512.8	55 964.7	2623.4	55 725.2	2734.1	55 485.2	2845.0
	35	47 665.0	2314.6	47 434.1	2424.9	47 202.6	2535.3	46 970.6	2646.0
	40	39 126.2	2123.1	38 903.3	2233.2	38 679.8	2343.3	38 455.8	2453.7
	45	30 587.3	1938.3	30 372.3	2048.1	30 156.8	2158.1	29 940.8	2268.2
71	50	22 048.3	1760.3	21 841.2	1869.8	21 633.7	1979.5	21 425.7	2089.4
79	55	13 509.1	1588.9	13 310.0	1698.3	13 110.5	1807.7	12 910.5	1917.4
87									
95	00	1 204 969.8	1 061 424.3	1 204 778.6	1 071 533.4	1 204 587.1	1 081 642.7	1 204 395.1	1 091 752.2
103	05	1 196 430.2	1266.4	1 196 247.0	1375.3	1 196 063.6	1484.4	1 195 879.6	1593.6
111	10	87 890.7	1115.2	87 715.5	1224.0	87 540.0	1332.8	87 364.0	1441.9
119	15	79 351.0	0970.8	79 183.7	1079.3	79 016.2	1188.0	78 848.2	1296.8
	20	70 811.2	0833.0	70 652.0	0941.4	70 492.4	1049.9	70 332.4	1158.5
	25	62 271.3	0702.0	62 120.0	0810.2	61 968.4	0918.5	61 816.4	1027.0
	30	53 731.3	0577.7	53 588.0	0685.7	53 444.3	0793.9	53 300.4	0902.2
	35	45 191.2	0460.1	45 055.8	0568.0	44 920.1	0676.0	44 784.2	0784.2
	40	36 651.0	0349.2	36 523.6	0457.0	36 395.9	0564.8	36 268.0	0672.8
	45	28 110.7	0245.1	27 991.3	0352.7	27 871.6	0460.4	27 751.6	0568.3
72	50	19 570.4	0147.7	19 458.9	0255.1	19 347.2	0362.7	19 235.2	0470.5
80	55	11 029.9	1 060 057.0	10 926.4	0164.3	10 822.6	0271.8	10 718.7	0379.4
88									
96	00	1 102 489.4	1 059 973.0	1 102 393.9	1 070 080.2	1 102 298.1	1 080 187.6	1 102 202.2	1 090 295.1
104	05	1 093 948.7	9895.7	1 093 861.1	1 070 002.8	1 093 773.3	0110.1	1 093 685.5	0217.5
112	10	85 408.0	9825.1	85 328.4	1 069 932.2	85 248.6	1 080 039.3	85 168.7	0146.7
120	15	76 867.3	9761.3	76 795.6	9868.3	76 723.9	1 079 975.3	76 652.0	0082.6
	20	68 326.7	9704.2	68 262.9	9811.1	68 199.1	9918.1	68 135.2	1 090 025.3
	25	59 786.0	9653.8	59 730.2	9760.6	59 674.3	9867.6	59 618.5	1 089 974.7
	30	51 245.3	9610.1	51 197.5	9716.9	51 149.6	9823.8	51 101.7	9930.8
	35	42 704.4	9573.2	42 664.6	9679.9	42 625.0	9786.7	42 584.8	9893.7
	40	34 163.5	9542.9	34 131.7	9649.6	34 100.0	9756.4	34 067.8	9863.4
	45	25 622.6	9519.4	25 598.7	9626.1	25 575.0	9732.8	25 550.9	9839.8
73	50	17 081.8	9502.6	17 065.8	9609.2	17 050.0	9716.0	17 033.9	9822.9
81	55	08 540.9	9492.5	08 532.9	9599.2	08 525.0	9705.9	08 517.0	9812.8
89									
97	00	1 000 000.0	1 059 489.2	1 000 000.0	1 069 595.8	1 000 000.0	1 079 702.5	1 000 000.0	1 089 809.4
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 32° 45′.		Lat. 32° 50′.		Lat. 32° 55′.		Lat. 33° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 059 489.2	1 000 000.0	1 069 595.8	1 000 000.0	1 079 702.5	1 000 000.0	1 089 809.4
105	05	991 459.1	9492.5	991 467.1	9599.2	991 475.0	9705.9	991 483.0	9812.8
113	10	82 918.2	9502.6	82 934.2	9609.2	82 950.0	9716.0	82 966.1	9822.9
121	15	74 377.4	9519.4	74 401.3	9626.1	74 425.0	9732.8	74 449.1	9839.8
	20	65 836.5	9542.9	65 868.3	9649.6	65 900.0	9756.4	65 932.2	9863.4
	25	57 295.6	9573.2	57 335.4	9679.9	57 375.0	9786.7	57 415.2	9893.7
	30	48 754.7	9610.1	48 802.5	9716.9	48 850.4	9823.8	48 898.3	9930.8
	35	40 214.0	9653.8	40 269.8	9760.6	40 325.7	9867.6	40 381.5	1 089 974.7
	40	31 673.3	9704.2	31 737.1	9811.1	31 800.9	9918.1	31 864.8	1 090 025.3
	45	23 132.7	9761.3	23 204.4	9868.3	23 276.1	1 079 975.3	23 348.0	0082.6
74	50	14 592.0	9825.1	14 671.6	1 069 932.2	14 751.4	1 080 039.3	14 831.3	0146.7
82	55	906 051.3	9895.7	906 138.9	1 070 002.8	906 226.7	0110.1	906 314.5	0217.5
90									
98	00	897 510.6	1 059 973.0	897 606.1	1 070 080.2	897 701.9	1 080 187.6	897 797.8	1 090 295.1
106	05	88 970.1	1 060 057.0	89 073.6	0164.3	89 177.4	0271.8	89 281.3	0379.4
114	10	80 429.6	0147.7	80 541.1	0255.1	80 652.8	0362.7	80 764.8	0470.5
122	15	71 889.3	0245.1	72 008.7	0352.7	72 128.4	0460.4	72 248.4	0568.3
	20	63 349.0	0349.2	63 476.4	0457.0	63 604.1	0564.8	63 732.0	0672.8
	25	54 808.8	0460.1	54 944.2	0568.0	55 079.9	0676.0	55 215.8	0784.2
	30	46 268.7	0577.7	46 412.0	0685.7	46 555.7	0793.9	46 699.6	0902.2
	35	37 728.7	0702.0	37 880.0	0810.2	38 031.6	0918.5	38 183.6	1027.0
	40	29 188.8	0833.0	29 348.0	0941.4	29 507.6	1049.9	29 667.6	1158.5
	45	20 649.0	0970.8	20 816.3	1079.3	20 983.8	1188.0	21 151.8	1296.8
75	50	12 109.3	1115.2	12 284.5	1224.0	12 460.0	1332.8	12 636.0	1441.9
83	55	803 569.8	1266.4	803 753.0	1375.3	803 936.4	1484.4	804 120.4	1593.6
91									
99	00	795 030.2	1 061 424.3	795 221.4	1 071 533.4	795 412.9	1 081 642.7	795 604.9	1 091 752.2
107	05	86 490.9	1588.9	86 690.0	1698.3	86 889.5	1807.7	87 089.5	1917.4
115	10	77 951.7	1760.3	78 158.8	1869.8	78 366.3	1979.5	78 574.3	2089.4
123	15	69 412.7	1938.3	69 627.7	2048.1	69 843.2	2158.1	70 059.2	2268.2
	20	60 873.8	2123.1	61 096.7	2233.2	61 320.2	2343.3	61 544.2	2453.7
	25	52 335.0	2314.6	52 565.9	2424.9	52 797.4	2535.3	53 029.4	2646.0
	30	43 796.4	2512.8	44 035.3	2623.4	44 274.8	2734.1	44 514.8	2845.0
	35	35 258.0	2717.7	35 504.8	2828.6	35 752.4	2939.5	36 000.3	3050.7
	40	26 719.7	2929.4	26 974.5	3040.5	27 230.1	3151.7	27 486.0	3263.2
	45	18 181.5	3147.8	18 444.3	3259.2	18 707.9	3370.7	18 971.8	3482.4
76	50	09 643.5	3372.9	09 914.4	3484.6	10 185.9	3596.4	10 457.8	3708.4
84	55	701 105.8	3604.7	701 384.6	3716.7	701 664.1	3828.8	701 944.0	3941.1
92									
100	00	692 568.2	1 063 843.2	692 855.0	1 073 955.5	693 142.5	1 084 068.0	693 430.4	1 094 180.6
108	05	84 030.8	4088.4	84 325.6	4201.1	84 621.0	4313.9	84 917.0	4426.8
116	10	75 493.6	4340.4	75 796.3	4453.4	76 099.7	4566.5	76 403.7	4679.8
124	15	66 956.6	4599.1	67 267.3	4712.4	67 578.7	4825.8	67 890.8	4939.4
	20	58 419.8	4864.5	58 738.5	4978.2	59 058.0	5092.0	59 378.0	5205.9
	25	49 883.3	5136.6	50 209.9	5250.7	50 537.4	5364.8	50 865.4	5479.1
	30	41 346.9	5415.5	41 681.5	5529.9	42 017.0	5644.4	42 353.0	5759.1
	35	32 810.8	5701.0	33 153.4	5815.8	33 496.8	5930.7	33 840.8	6045.8
	40	24 274.9	5993.3	24 625.5	6108.5	24 976.9	6223.7	25 328.9	6339.2
	45	15 739.2	6292.3	16 097.8	6407.9	16 457.2	6523.5	16 817.2	6639.4
77	50	607 203.8	6598.0	607 570.8	6714.0	607 937.7	6830.1	608 305.8	6946.3
85	55	598 668.6	6910.5	599 043.0	7026.8	599 418.5	7143.3	599 794.6	7260.0
93									
101	00	590 133.6	1 067 229.6	590 516.0	1 077 346.4	590 899.5	1 087 463.3	591 283.7	1 097 580.4
109	05	81 598.9	7556.5	81 989.4	7672.7	82 380.8	7790.1	82 773.0	7907.6
117	10	73 064.4	7888.1	73 463.0	8005.8	73 862.3	8123.5	74 262.5	8241.5
125	15	64 530.3	8227.5	64 936.8	8345.5	65 344.2	8463.7	65 752.4	8582.2
	20	55 996.4	8573.5	56 410.8	8692.0	56 826.4	8810.7	57 242.6	8929.6
	25	47 462.8	8926.2	47 885.2	9045.2	48 308.8	9164.4	48 733.0	9283.7
	30	538 929.5	1 069 285.7	539 359.8	1 079 405.2	539 791.4	1 089 524.8	540 223.6	1 099 644.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 00′.		Lat. 33° 05′.		Lat. 33° 10′.		Lat. 33° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 459 776.4	1 099 644.6	1 459 343.1	1 109 764.2	1 458 908.8	1 119 883.9	1 458 473.5	1 130 003.8
100	35	51 267.0	9283.7	50 841.9	9402.8	50 415.6	9522.1	49 988.4	1 129 641.5
108	40	42 757.4	8929.6	42 340.3	9048.2	41 922.1	9167.0	41 503.0	9286.0
116	45	34 247.6	8582.2	33 838.5	8700.4	33 428.3	8818.7	33 017.2	8937.3
69	50	25 737.5	8241.5	25 336.4	8359.3	24 934.3	8477.2	24 531.2	8595.3
77	55	17 227.0	7907.6	16 834.0	8024.9	16 440.0	8142.4	16 044.9	8260.1
85									
93	00	1 408 716.3	1 097 580.4	1 408 331.3	1 107 697.4	1 407 945.4	1 117 814.4	1 407 558.4	1 127 931.7
101	05	1 400 205.4	7260.0	1 399 828.3	7376.5	1 399 450.6	7493.2	1 399 071.7	7610.0
109	10	1 391 694.2	6946.3	91 325.2	7062.4	90 955.4	7178.7	90 584.7	7295.1
117	15	83 182.8	6639.4	82 821.8	6755.1	82 460.0	6871.0	82 097.4	6987.0
	20	74 671.1	6339.2	74 318.2	6454.5	73 964.5	6570.0	73 609.8	6685.7
	25	66 159.2	6045.8	65 814.2	6160.7	65 468.5	6275.8	65 122.0	6391.1
	30	57 647.0	5759.1	57 310.1	5873.7	56 972.5	5988.4	56 634.0	6103.3
	35	49 134.6	5479.1	48 805.8	5593.4	48 476.1	5707.7	48 145.8	5822.3
	40	40 622.0	5205.9	40 301.2	5319.8	39 979.7	5433.8	39 657.3	5548.0
	45	32 109.2	4939.4	31 796.5	5053.0	31 483.0	5166.7	31 168.7	5280.5
70	50	23 596.3	4679.8	23 291.5	4793.0	22 986.1	4906.3	22 679.9	5019.8
78	55	15 083.0	4426.8	14 786.3	4539.7	14 488.9	4652.7	14 190.8	4765.9
86									
94	00	1 306 569.6	1 094 180.6	1 306 280.9	1 104 293.1	1 305 991.5	1 114 405.8	1 305 701.5	1 124 518.7
102	05	1 298 056.0	3941.1	1 297 775.3	4053.4	1 297 494.0	4165.7	1 297 212.1	4278.3
110	10	89 542.2	3708.4	89 269.6	3820.3	88 996.3	3932.4	88 722.4	4044.7
118	15	81 028.2	3482.4	80 763.6	3594.1	80 498.4	3705.9	80 232.5	3817.9
	20	72 514.0	3263.2	72 257.4	3374.5	72 000.3	3486.1	71 742.4	3597.8
	25	63 999.7	3050.7	63 751.1	3161.8	63 502.0	3273.0	63 252.2	3384.5
	30	55 485.2	2845.0	55 244.7	2955.8	55 003.6	3066.8	54 761.9	3177.9
	35	46 970.6	2646.0	46 738.1	2756.5	46 505.1	2867.2	46 271.5	2978.2
	40	38 455.8	2453.7	38 231.3	2564.0	38 006.3	2674.5	37 780.8	2785.2
	45	29 940.8	2268.2	29 724.3	2378.3	29 507.4	2488.5	29 289.9	2599.0
71	50	21 425.7	2089.4	21 217.2	2199.2	21 008.4	2309.3	20 798.9	2419.5
79	55	12 910.5	1917.4	12 710.1	2027.0	12 509.2	2136.8	12 307.8	2246.8
87									
95	00	1 204 395.1	1 091 752.2	1 204 202.7	1 101 861.6	1 204 009.9	1 111 971.1	1 203 816.5	1 122 080.9
103	05	1 195 879.6	1593.6	1 195 695.2	1702.8	1 195 510.4	1812.2	1 195 325.1	1921.8
111	10	87 364.0	1441.9	87 187.6	1550.9	87 010.9	1660.0	86 833.6	1769.4
119	15	78 848.2	1296.8	78 679.9	1405.6	78 511.2	1514.6	78 342.0	1623.8
	20	70 332.4	1158.5	70 172.1	1267.2	70 011.4	1376.0	69 850.3	1485.0
	25	61 816.4	1027.0	61 664.1	1135.5	61 511.5	1244.1	61 358.4	1353.0
	30	53 300.4	0902.2	53 156.1	1010.5	53 011.5	1119.0	52 866.5	1227.7
	35	44 784.2	0784.2	44 647.9	0892.3	44 511.4	1000.6	44 374.4	1109.2
	40	36 268.0	0672.8	36 139.7	0780.9	36 011.2	0889.1	35 882.3	0997.5
	45	27 751.6	0568.3	27 631.4	0676.2	27 510.9	0784.2	27 390.1	0892.5
72	50	19 235.2	0470.5	19 123.0	0578.2	19 010.5	0686.2	18 897.8	0794.3
80	55	10 718.7	0379.4	10 614.5	0487.0	10 510.1	0594.9	10 405.4	0702.9
88									
96	00	1 102 202.2	1 090 295.1	1 102 106.0	1 100 402.6	1 102 009.6	1 110 510.3	1 101 913.0	1 120 618.3
104	05	1 093 685.5	0217.5	1 093 597.3	0324.9	1 093 508.9	0432.6	1 093 420.3	0540.4
112	10	85 168.7	0146.7	85 088.5	0254.0	85 008.2	0361.5	84 927.7	0469.3
120	15	76 652.0	0082.6	76 579.8	0189.8	76 507.5	0297.3	76 435.0	0404.9
	20	68 135.2	1 090 025.3	68 071.1	0132.4	68 006.7	0239.8	67 942.3	0347.4
	25	59 618.5	1 089 974.7	59 562.3	0081.8	59 506.0	0189.1	59 449.7	0296.6
	30	51 101.7	9930.8	51 053.6	0037.9	51 005.3	0145.1	50 957.0	0252.6
	35	42 584.8	9893.7	42 544.7	1 100 000.7	42 504.4	0107.9	42 464.2	0215.3
	40	34 067.8	9863.4	34 035.7	1 099 970.3	34 003.5	0077.5	33 971.3	0184.9
	45	25 550.9	9839.8	25 526.8	9946.7	25 502.7	0053.8	25 478.5	0161.2
73	50	17 033.9	9822.9	17 017.9	9929.8	17 001.8	0036.9	16 985.7	0144.2
81	55	08 517.0	9812.8	08 508.9	9919.7	08 500.9	0026.8	08 492.8	0134.1
89									
97	00	1 000 000.0	1 089 809.4	1 000 000.0	1 099 916.3	1 000 000.0	1 110 023.4	1 000 000.0	1 120 130.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 00′.		Lat. 33° 05′.		Lat. 33° 10′.		Lat. 33° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 089 809.4	1 000 000.0	1 099 916.3	1 000 000.0	1 110 023.4	1 000 000.0	1 120 130.7
105	05	991 483.0	9812.8	991 491.1	9919.7	991 499.1	0026.8	991 507.2	0134.1
113	10	82 966.1	9822.9	82 982.1	9929.8	82 998.2	0036.9	83 014.3	0144.2
121	15	74 449.1	9839.8	74 473.2	9946.7	74 497.3	0053.8	74 521.5	0161.2
	20	65 932.2	9863.4	65 964.3	1 099 970.3	65 996.5	0077.5	66 028.7	0184.9
	25	57 415.2	9893.7	57 455.3	1 100 000.7	57 495.6	0107.9	57 535.8	0215.3
	30	48 898.3	9930.8	48 946.4	0037.9	48 994.7	0145.1	49 043.0	0252.6
	35	40 381.5	1 089 974.7	40 437.7	0081.8	40 494.0	0189.1	40 550.3	0296.6
	40	31 864.8	1 090 025.3	31 928.9	0132.4	31 993.3	0239.8	32 057.7	0347.4
	45	23 348.0	0082.6	23 420.2	0189.8	23 492.5	0297.3	23 565.0	0404.9
74	50	14 831.3	0146.7	14 911.5	0254.0	14 991.8	0361.5	15 072.3	0469.3
82	55	906 314.5	0217.5	906 402.7	0324.9	906 491.1	0432.6	906 579.7	0540.4
90									
98	00	897 797.8	1 090 295.1	897 894.0	1 100 402.6	897 990.4	1 110 510.3	898 087.0	1 120 618.3
106	05	89 281.3	0379.4	89 385.5	0487.0	89 489.9	0594.9	89 594.6	0702.9
114	10	80 764.8	0470.5	80 877.0	0578.2	80 989.5	0686.2	81 102.2	0794.3
122	15	72 248.4	0568.3	72 368.6	0676.2	72 489.1	0784.2	72 609.9	0892.5
	20	63 732.0	0672.8	63 860.3	0780.9	63 988.8	0889.1	64 117.7	0997.5
	25	55 215.8	0784.2	55 352.1	0892.3	55 488.6	1000.6	55 625.6	1109.2
	30	46 699.6	0902.2	46 843.9	1010.5	46 988.5	1119.0	47 133.5	1227.7
	35	38 183.6	1027.0	38 335.9	1135.5	38 488.5	1244.1	38 641.6	1353.0
	40	29 667.6	1158.5	29 827.9	1267.2	29 988.6	1376.0	30 149.7	1485.0
	45	21 151.8	1296.8	21 320.1	1405.6	21 488.8	1514.6	21 658.0	1623.8
75	50	12 636.0	1441.9	12 812.4	1550.9	12 989.1	1660.0	13 166.4	1769.4
83	55	804 120.4	1593.6	804 304.8	1702.8	804 489.6	1812.2	804 674.9	1921.8
91									
99	00	795 604.9	1 091 752.2	795 797.3	1 101 861.6	795 990.1	1 111 971.1	796 183.5	1 122 080.9
107	05	87 089.5	1917.4	87 289.9	2027.0	87 490.8	2136.8	87 692.2	2246.8
115	10	78 574.3	2089.4	78 782.8	2199.2	78 991.6	2309.3	79 201.1	2419.5
123	15	70 059.2	2268.2	70 275.7	2378.3	70 492.6	2488.5	70 710.1	2599.0
	20	61 544.2	2453.7	61 768.7	2564.0	61 993.7	2674.5	62 219.2	2785.2
	25	53 029.4	2646.0	53 261.9	2756.5	53 494.9	2867.2	53 728.5	2978.2
	30	44 514.8	2845.0	44 755.3	2955.8	44 996.4	3066.8	45 238.1	3177.9
	35	36 000.3	3050.7	36 248.9	3161.8	36 498.0	3273.0	36 747.8	3384.5
	40	27 486.0	3263.2	27 742.6	3374.5	27 999.7	3486.1	28 257.6	3597.8
	45	18 971.8	3482.4	19 236.4	3594.1	19 501.6	3705.9	19 767.5	3817.9
76	50	10 457.8	3708.4	10 730.4	3820.3	11 003.7	3932.4	11 277.6	4044.7
84	55	701 944.0	3941.1	702 224.7	4053.4	702 506.0	4165.7	702 787.9	4278.3
92									
100	00	693 430.4	1 094 180.6	693 719.1	1 104 293.1	694 008.5	1 114 405.8	694 298.5	1 124 518.7
108	05	84 917.0	4426.8	85 213.7	4539.7	85 511.1	4652.7	85 809.2	4765.9
116	10	76 403.7	4679.8	76 708.5	4793.0	77 013.9	4906.3	77 320.1	5019.8
124	15	67 890.8	4939.4	68 203.5	5053.0	68 517.0	5166.7	68 831.3	5280.5
	20	59 378.0	5205.9	59 698.8	5319.8	60 020.3	5433.8	60 342.7	5548.0
	25	50 865.4	5479.1	51 194.2	5593.4	51 523.9	5707.7	51 854.2	5822.3
	30	42 353.0	5759.1	42 689.9	5873.7	43 027.5	5988.4	43 366.0	6103.3
	35	33 840.8	6045.8	34 185.8	6160.7	34 531.5	6275.8	34 878.0	6391.1
	40	25 328.9	6339.2	25 681.8	6454.5	26 035.5	6570.0	26 390.2	6685.7
	45	16 817.2	6639.4	17 178.2	6755.1	17 540.0	6871.0	17 902.6	6987.0
77	50	608 305.8	6946.3	08 674.8	7062.4	09 044.6	7178.7	09 415.3	7295.1
85	55	599 794.6	7260.0	600 171.7	7376.5	600 549.4	7493.2	600 928.3	7610.0
93									
101	00	591 283.7	1 097 580.4	591 668.7	1 107 697.4	592 054.6	1 117 814.4	592 441.6	1 127 931.7
109	05	82 773.0	7907.6	83 166.0	8024.9	83 560.0	8142.4	83 955.1	8260.1
117	10	74 262.5	8241.5	74 663.6	8359.3	75 065.7	8477.2	75 468.8	8595.3
125	15	65 752.4	8582.2	66 161.5	8700.4	66 571.7	8818.7	66 982.8	8937.3
	20	57 242.6	8929.6	57 659.7	9048.2	58 077.9	9167.0	58 497.0	9286.0
	25	48 733.0	9283.7	49 158.1	9402.8	49 584.4	9522.1	50 011.6	1 129 641.5
	30	540 223.6	1 099 644.6	540 656.9	1 109 764.2	541 091.2	1 119 883.9	541 526.5	1 130 003.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 15′.		Lat. 33° 20′.		Lat. 33° 25′.		Lat. 33° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 458 473.5	1 130 003.8	1 458 037.4	1 140 123.6	1 457 600.3	1 150 245.5	1 457 161.9	1 160 363.4
100	35	49 988.4	1 129 641.5	49 560.3	1 139 760.9	49 131.3	1 149 880.3	48 701.1	1 159 999.7
108	40	41 503.0	9286.0	41 082.9	9404.9	40 662.1	9523.9	40 240.0	9642.9
116	45	33 017.2	8937.3	32 605.3	9055.7	32 192.6	9174.3	31 778.7	9292.8
69	50	24 531.2	8595.3	24 127.4	8713.3	23 722.8	8831.4	23 317.0	8949.6
77	55	16 044.9	8260.1	15 649.2	8377.7	15 252.7	8495.4	14 855.1	8613.1
85									
93	00	1 407 558.4	1 127 931.7	1 407 170.8	1 138 048.8	1 406 782.4	1 148 166.1	1 406 392.9	1 158 283.5
101	05	1 399 071.7	7610.0	1 398 692.1	7726.8	1 398 311.8	7843.7	1 397 930.4	7960.6
109	10	90 584.7	7295.1	90 213.2	7411.5	89 841.0	7528.0	89 467.7	7644.5
117	15	82 097.4	6987.0	81 734.0	7103.0	81 369.9	7219.1	81 004.7	7335.3
	20	73 609.8	6685.7	73 254.6	6801.3	72 898.5	6917.0	72 541.5	7032.8
	25	65 122.0	6391.1	64 774.9	6506.3	64 426.9	6621.7	64 078.1	6737.1
	30	56 634.0	6103.3	56 294.9	6218.2	55 955.1	6333.2	55 614.4	6448.2
	35	48 145.8	5822.3	47 814.7	5936.8	47 483.1	6051.4	47 150.5	6166.1
	40	39 657.3	5548.0	39 334.3	5662.2	39 010.9	5776.5	38 686.3	5890.9
	45	31 168.7	5280.5	30 853.8	5394.4	30 538.4	5508.3	30 222.0	5622.4
70	50	22 679.9	5019.8	22 373.1	5133.3	22 065.7	5247.0	21 757.4	5360.7
78	55	14 190.8	4765.9	13 892.1	4879.1	13 592.8	4992.4	13 292.7	5105.8
86									
94	00	1 305 701.5	1 124 518.7	1 305 410.9	1 134 631.6	1 305 119.7	1 144 744.6	1 304 827.7	1 154 857.7
102	05	1 297 212.1	4278.3	1 296 929.5	4390.9	1 296 646.4	4503.6	1 296 362.5	4616.4
110	10	88 722.4	4044.7	88 447.9	4157.0	88 172.9	4269.4	87 897.1	4381.9
118	15	80 232.5	3817.9	79 966.2	3929.8	79 699.3	4042.0	79 431.6	4154.2
	20	71 742.4	3597.8	71 484.2	3709.5	71 225.4	3821.3	70 965.8	3933.3
	25	63 252.2	3384.5	63 002.1	3495.9	62 751.3	3607.5	62 499.9	3719.1
	30	54 761.9	3177.9	54 519.8	3289.1	54 277.1	3400.4	54 033.8	3511.8
	35	46 271.5	2978.2	46 037.4	3089.1	45 802.8	3200.2	45 567.6	3311.3
	40	37 780.8	2785.2	37 554.8	2895.9	37 328.3	3006.7	37 101.2	3117.6
	45	29 289.9	2599.0	29 072.0	2709.4	28 853.7	2820.0	28 634.7	2930.7
71	50	20 798.9	2419.5	20 589.1	2529.7	20 378.9	2640.1	20 168.0	2750.5
79	55	12 307.8	2246.8	12 106.1	2356.8	11 904.0	2467.0	11 701.1	2577.2
87									
95	00	1 203 816.5	1 122 080.9	1 203 622.9	1 132 190.7	1 203 428.9	1 142 300.7	1 203 234.1	1 152 410.7
103	05	1 195 325.1	1921.8	1 195 139.5	2031.4	1 194 953.6	2141.1	1 194 767.0	2251.0
111	10	86 833.6	1769.4	86 656.1	1878.8	86 478.2	1988.4	86 299.8	2098.0
119	15	78 342.0	1623.8	78 172.5	1733.0	78 002.7	1842.4	77 832.4	1951.8
	20	69 850.3	1485.0	69 688.9	1594.0	69 527.2	1703.2	69 365.0	1812.5
	25	61 358.4	1353.0	61 205.1	1461.8	61 051.5	1570.9	60 897.4	1680.0
	30	52 866.5	1227.7	52 721.3	1336.4	52 575.7	1445.3	52 429.8	1554.2
	35	44 374.4	1109.2	44 237.3	1217.7	44 099.8	1326.5	43 962.0	1435.3
	40	35 882.3	0997.5	35 753.2	1105.9	35 623.8	1214.5	35 494.1	1323.1
	45	27 390.1	0892.5	27 269.0	1000.8	27 147.7	1109.2	27 026.1	1217.8
72	50	18 897.8	0794.3	18 784.8	0902.5	18 671.6	1010.8	18 558.1	1119.2
80	55	10 405.4	0702.9	10 300.5	0810.9	10 195.4	0919.1	10 090.0	1027.5
88									
96	00	1 101 913.0	1 120 618.3	1 101 816.1	1 130 726.2	1 101 719.1	1 140 834.3	1 101 621.8	1 150 942.5
104	05	1 093 420.3	0540.4	1 093 331.5	0648.2	1 093 242.6	0756.2	1 093 153.4	0864.3
112	10	84 927.7	0469.3	84 846.9	0577.0	84 766.1	0684.9	84 685.0	0793.0
120	15	76 435.0	0404.9	76 362.3	0512.6	76 289.6	0620.4	76 216.6	0728.4
	20	67 942.3	0347.4	67 877.8	0455.0	67 813.1	0562.7	67 748.2	0670.6
	25	59 449.7	0296.6	59 393.2	0404.1	59 336.6	0511.8	59 279.9	0619.6
	30	50 957.0	0252.6	50 908.6	0360.0	50 860.1	0467.7	50 811.5	0575.4
	35	42 464.2	0215.3	42 423.8	0322.8	42 383.4	0430.3	42 342.9	0538.1
	40	33 971.3	0184.9	33 939.1	0292.2	33 906.7	0399.8	33 874.3	0507.5
	45	25 478.5	0161.2	25 454.3	0268.5	25 430.1	0376.1	25 405.7	0483.7
73	50	16 985.7	0144.2	16 969.5	0251.6	16 953.4	0359.1	16 937.2	0466.7
81	55	08 492.8	0134.1	08 484.8	0241.4	08 476.7	0348.9	08 468.6	0456.5
89									
97	00	1 000 000.0	1 120 130.7	1 000 000.0	1 130 238.0	1 000 000.0	1 140 345.5	1 000 000.0	1 150 453.1
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 15′.		Lat. 33° 20′.		Lat. 33° 25′.		Lat. 33° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 120 130.7	1 000 000.0	1 130 238.0	1 000 000.0	1 140 345.5	1 000 000.0	1 150 453.1
105	05	991 507.2	0134.1	991 515.2	0241.4	991 523.3	0348.9	991 531.4	0456.5
113	10	83 014.3	0144.2	83 030.5	0251.6	83 046.6	0359.1	83 062.8	0466.7
121	15	74 521.5	0161.2	74 545.7	0268.5	74 569.9	0376.1	74 594.3	0483.7
	20	66 028.7	0184.9	66 060.9	0292.2	66 093.3	0399.8	66 125.7	0507.5
	25	57 535.8	0215.3	57 576.2	0322.8	57 616.6	0430.3	57 657.1	0538.1
	30	49 043.0	0252.6	49 091.4	0360.0	49 139.9	0467.7	49 188.5	0575.4
	35	40 550.3	0296.6	40 606.8	0404.1	40 663.4	0511.8	40 720.1	0619.6
	40	32 057.7	0347.4	32 122.2	0455.0	32 186.9	0562.7	32 251.8	0670.6
	45	23 565.0	0404.9	23 637.7	0512.6	23 710.4	0620.4	23 783.4	0728.4
74	50	15 072.3	0469.3	15 153.1	0577.0	15 233.9	0684.9	15 315.0	0793.0
82	55	906 579.7	0540.4	906 668.5	0648.2	906 757.4	0756.2	906 846.6	0864.3
90									
98	00	898 087.0	1 120 618.3	898 183.9	1 130 726.2	898 280.9	1 140 834.3	898 378.2	1 150 942.5
106	05	89 594.6	0702.9	89 699.5	0810.9	89 804.6	0919.1	89 910.0	1027.5
114	10	81 102.2	0794.3	81 215.2	0902.5	81 328.4	1010.8	81 441.9	1119.2
122	15	72 609.9	0892.5	72 731.0	1000.8	72 852.3	1109.2	72 973.9	1217.8
	20	64 117.7	0997.5	64 246.8	1105.9	64 376.2	1214.5	64 505.9	1323.1
	25	55 625.6	1109.2	55 762.7	1217.7	55 900.2	1326.5	56 038.0	1435.3
	30	47 133.5	1227.7	47 278.7	1336.4	47 424.3	1445.3	47 570.2	1554.2
	35	38 641.6	1353.0	38 794.9	1461.8	38 948.5	1570.9	39 102.6	1680.0
	40	30 149.7	1485.0	30 311.1	1594.0	30 472.8	1703.2	30 635.0	1812.5
	45	21 658.0	1623.8	21 827.5	1733.0	21 997.3	1842.4	22 167.6	1951.8
75	50	13 166.4	1769.4	13 343.9	1878.8	13 521.8	1988.4	13 700.2	2098.0
83	55	804 674.9	1921.8	804 860.5	2031.4	805 046.4	2141.1	805 233.0	2251.0
91									
99	00	796 183.5	1 122 080.9	796 377.1	1 132 190.7	796 571.1	1 142 300.7	796 765.9	1 152 410.7
107	05	87 692.2	2246.8	87 893.9	2356.8	88 096.0	2467.0	88 298.9	2577.2
115	10	79 201.1	2419.5	79 410.9	2529.7	79 621.1	2640.1	79 832.0	2750.5
123	15	70 710.1	2599.0	70 928.0	2709.4	71 146.3	2820.0	71 365.3	2930.7
	20	62 219.2	2785.2	62 445.2	2895.9	62 671.7	3006.7	62 898.8	3117.6
	25	53 728.5	2978.2	53 962.6	3089.1	54 197.2	3200.2	54 432.4	3311.3
	30	45 238.1	3177.9	45 480.2	3289.1	45 722.9	3400.4	45 966.2	3511.8
	35	36 747.8	3384.5	36 997.9	3495.9	37 248.7	3607.5	37 500.1	3719.1
	40	28 257.6	3597.8	28 515.8	3709.5	28 774.6	3821.3	29 034.2	3933.3
	45	19 767.5	3817.9	20 033.8	3929.8	20 300.7	4042.0	20 568.4	4154.2
76	50	11 277.6	4044.7	11 552.1	4157.0	11 827.1	4269.4	12 102.9	4381.9
84	55	702 787.9	4278.3	703 070.5	4390.9	703 353.6	4503.6	703 637.5	4616.4
92									
100	00	694 298.5	1 124 518.7	694 589.1	1 134 631.6	694 880.3	1 144 744.6	695 172.3	1 154 857.7
108	05	85 809.2	4765.9	86 107.9	4879.1	86 407.2	4992.4	86 707.3	5105.8
116	10	77 320.1	5019.8	77 626.9	5133.3	77 934.3	5247.0	78 242.6	5360.7
124	15	68 831.3	5280.5	69 146.2	5394.4	69 461.6	5508.3	69 778.0	5622.4
	20	60 342.7	5548.0	60 665.7	5662.2	60 989.1	5776.5	61 313.7	5890.9
	25	51 854.2	5822.3	52 185.3	5936.8	52 516.9	6051.4	52 849.5	6166.1
	30	43 366.0	6103.3	43 705.1	6218.2	44 044.9	6333.2	44 385.6	6448.2
	35	34 878.0	6391.1	35 225.1	6506.3	35 573.1	6621.7	35 921.9	6737.1
	40	26 390.2	6685.7	26 745.4	6801.3	27 101.5	6917.0	27 458.5	7032.8
	45	17 902.6	6987.0	18 266.0	7103.0	18 630.1	7219.1	18 995.3	7335.3
77	50	09 415.3	7295.1	09 786.8	7411.5	10 159.0	7528.0	10 532.3	7644.5
85	55	600 928.3	7610.0	601 307.9	7726.8	601 688.2	7843.7	602 069.6	7960.6
93									
101	00	592 441.6	1 127 931.7	592 829.2	1 138 048.8	593 217.6	1 148 166.1	593 607.1	1 158 283.5
109	05	83 955.1	8260.1	84 350.8	8377.7	84 747.3	8495.4	85 144.9	8613.1
117	10	75 468.8	8595.3	75 872.6	8713.3	76 277.2	8831.4	76 683.0	8949.6
125	15	66 982.8	8937.3	67 394.7	9055.7	67 807.4	9174.3	68 221.3	9292.8
	20	58 497.0	9286.0	58 917.1	9404.9	59 337.9	9523.9	59 760.0	9642.9
	25	50 011.6	1 129 641.5	50 439.7	1 139 760.9	50 868.7	1 149 880.3	51 298.9	1 159 999.7
	30	541 526.5	1 130 003.8	541 962.6	1 140 123.6	542 399.7	1 150 243.5	542 838.1	1 160 363.4

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 30′.		Lat. 33° 35′.		Lat. 33° 40′.		Lat. 33° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 457 161.9	1 160 363.4	1 456 722.9	1 170 483.4	1 456 282.6	1 180 603.5	1 455 841.8	1 190 723.7
100	35	48 701.1	1 159 999.7	48 270.1	1 170 119.3	47 838.2	1 180 238.9	47 405.4	0358.7
108	40	40 240.0	9642.9	39 817.1	1 169 762.0	39 393.4	1 179 881.2	38 968.8	1 190 000.5
116	45	31 778.7	9292.8	31 363.9	9411.5	30 948.3	9530.3	30 532.0	1 189 649.2
69	50	23 317.0	8949.6	22 910.5	9067.8	22 503.0	9186.2	22 094.8	9304.7
77	55	14 855.1	8613.1	14 456.7	8731.0	14 057.3	8848.9	13 657.3	8967.0
85									
93	00	1 406 392.9	1 158 283.5	1 406 002.6	1 168 400.9	1 405 611.4	1 178 518.4	1 405 219.6	1 188 636.1
101	05	1 397 930.4	7960.6	1 397 548.2	8077.6	1 397 165.3	8194.8	1 396 781.7	8312.0
109	10	89 467.7	7644.5	89 093.7	7761.2	88 719.0	7877.9	88 343.5	7994.8
117	15	81 004.7	7335.3	80 638.9	7451.5	80 272.3	7567.9	79 905.0	7684.4
	20	72 541.5	7032.8	72 183.8	7148.7	71 825.4	7264.7	71 466.2	7380.8
	25	64 078.1	6737.1	63 728.5	6852.6	63 378.3	6968.3	63 027.2	7084.0
	30	55 614.4	6448.2	55 273.0	6563.4	54 930.8	6678.7	54 588.0	6794.1
	35	47 150.5	6166.1	46 817.2	6281.0	46 483.1	6395.9	46 148.5	6511.0
	40	38 686.3	5890.9	38 361.2	6005.3	38 035.3	6119.9	37 708.9	6234.7
	45	30 222.0	5622.4	29 905.0	5736.5	29 587.3	5850.8	29 269.0	5965.2
70	50	21 757.4	5360.7	21 448.6	5474.5	21 139.1	5588.4	20 828.9	5702.5
78	55	13 292.7	5105.8	12 991.9	5219.3	12 690.6	5332.8	12 388.6	5446.7
86									
94	00	1 304 827.7	1 154 857.7	1 304 535.0	1 164 970.9	1 304 241.8	1 175 084.2	1 303 948.1	1 185 197.7
102	05	1 296 362.5	4616.4	1 296 078.0	4729.3	1 295 792.9	4842.3	1 295 507.4	4955.5
110	10	87 897.1	4381.9	87 620.8	4494.5	87 343.9	4607.2	87 066.5	4720.1
118	15	79 431.6	4154.2	79 163.3	4266.5	78 894.6	4379.0	78 625.3	4491.6
	20	70 965.8	3933.3	70 705.7	4045.3	70 445.1	4157.5	70 184.0	4269.9
	25	62 499.9	3719.1	62 248.0	3831.0	61 995.5	3942.9	61 742.6	4055.0
	30	54 033.8	3511.8	53 790.1	3623.4	53 545.7	3735.1	53 301.0	3846.9
	35	45 567.6	3311.3	45 332.0	3422.6	45 095.8	3534.0	44 859.2	3645.6
	40	37 101.2	3117.6	36 873.7	3228.7	36 645.7	3339.8	36 417.2	3451.2
	45	28 634.7	2930.7	28 415.3	3041.5	28 195.4	3152.5	27 975.1	3263.6
71	50	20 168.0	2750.5	19 956.7	2861.2	19 745.0	2971.9	19 532.9	3082.8
79	55	11 701.1	2577.2	11 498.0	2687.6	11 294.5	2798.1	11 090.5	2908.8
87									
95	00	1 203 234.1	1 152 410.7	1 203 039.2	1 162 520.9	1 202 843.8	1 172 631.2	1 202 648.0	1 182 741.7
103	05	1 194 767.0	2251.0	1 194 580.1	2361.0	1 194 392.9	2471.1	1 194 205.3	2581.4
111	10	86 299.8	2098.0	86 121.0	2207.8	85 941.9	2317.8	85 762.5	2428.0
119	15	77 832.4	1951.8	77 661.7	2061.5	77 490.8	2171.3	77 319.5	2281.2
	20	69 365.0	1812.5	69 202.3	1922.0	69 039.6	2031.6	68 876.5	2141.3
	25	60 897.4	1680.0	60 742.9	1789.3	60 588.3	1898.7	60 433.3	2008.3
	30	52 429.8	1554.2	52 283.4	1663.4	52 136.9	1772.6	51 990.1	1882.1
	35	43 962.0	1435.3	43 823.7	1544.3	43 685.4	1653.4	43 546.7	1762.7
	40	35 494.1	1323.1	35 364.0	1432.0	35 233.8	1541.0	35 103.3	1650.1
	45	27 026.1	1217.8	26 904.2	1326.5	26 782.1	1435.4	26 659.7	1544.4
72	50	18 558.1	1119.2	18 444.3	1227.8	18 330.4	1336.6	18 216.1	1445.5
80	55	10 090.0	1027.5	09 984.3	1136.0	09 878.5	1244.6	09 772.3	1353.4
88									
96	00	1 101 621.8	1 150 942.5	1 101 524.3	1 161 050.9	1 101 426.6	1 171 159.4	1 101 328.5	1 181 268.1
104	05	1 093 153.4	0864.3	1 093 064.0	0972.6	1 092 974.5	1081.0	1 092 884.6	1189.6
112	10	84 685.0	0793.0	84 603.8	0901.2	84 522.4	1009.5	84 440.6	1118.1
120	15	76 216.6	0728.4	76 143.5	0836.5	76 070.2	0944.8	75 996.7	1053.2
	20	67 748.2	0670.6	67 683.3	0778.7	67 618.1	0886.8	67 552.8	0995.2
	25	59 279.9	0619.6	59 223.0	0727.6	59 166.0	0835.7	59 108.8	0944.0
	30	50 811.5	0575.4	50 762.8	0683.4	50 713.9	0791.4	50 664.9	0899.7
	35	42 342.9	0538.1	42 302.3	0646.0	42 261.6	0754.0	42 220.8	0862.2
	40	33 874.3	0507.5	33 841.9	0615.3	33 809.3	0723.3	33 776.6	0831.5
	45	25 405.7	0483.7	25 381.4	0591.5	25 357.0	0699.5	25 332.4	0807.6
73	50	16 937.2	0466.7	16 920.9	0574.5	16 904.6	0682.4	16 888.3	0790.5
81	55	08 468.6	0456.5	08 460.5	0564.3	08 452.3	0672.2	08 444.2	0780.3
89									
97	00	1 000 000.0	1 150 453.1	1 000 000.0	1 160 560.9	1 000 000.0	1 170 668.8	1 000 000.0	1 180 776.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 33° 30′.		Lat. 33° 35′.		Lat. 33° 40′.		Lat. 33° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	1 150 453.1	1 000 000.0	1 160 560.9	1 000 000.0	1 170 668.8	1 000 000.0	1 180 776.9
105 05	991 531.4	0456.5	991 539.5	0564.3	991 547.7	0672.2	991 555.8	0780.3
113 10	83 062.8	0466.7	83 079.1	0574.5	83 095.4	0682.4	83 111.7	0790.5
121 15	74 594.3	0483.7	74 618.6	0591.5	74 643.0	0699.5	74 667.6	0807.6
20	66 125.7	0507.5	66 158.1	0615.3	66 190.7	0723.3	66 223.4	0831.5
25	57 657.1	0538.1	57 697.6	0646.0	57 738.4	0754.0	57 779.2	0862.2
30	49 188.5	0575.4	49 237.2	0683.4	49 286.1	0791.4	49 335.1	0899.7
35	40 720.1	0619.6	40 777.0	0727.6	40 834.0	0835.7	40 891.2	0944.0
40	32 251.8	0670.6	32 316.7	0778.7	32 381.9	0886.8	32 447.2	0995.2
45	23 783.4	0728.4	23 856.5	0836.5	23 929.8	0944.8	24 003.3	1053.2
74 50	15 315.0	0793.0	15 396.2	0901.2	15 477.6	1009.5	15 559.4	1118.1
82 55	906 846.6	0864.3	906 936.0	0972.6	907 025.5	1081.0	907 115.4	1189.6
90								
98 00	898 378.2	1 150 942.5	898 475.7	1 161 050.9	898 573.4	1 171 159.4	898 671.5	1 181 268.1
106 05	89 910.0	1027.5	90 015.7	1136.0	90 121.5	1244.6	90 227.7	1353.4
114 10	81 441.9	1119.2	81 555.7	1227.8	81 669.6	1336.6	81 783.9	1445.5
122 15	72 973.9	1217.8	73 095.8	1326.5	73 217.9	1435.4	73 340.3	1544.4
20	64 505.9	1323.1	64 636.0	1432.0	64 766.2	1541.0	64 896.7	1650.1
25	56 038.0	1435.3	56 176.3	1544.3	56 314.6	1653.4	56 453.3	1762.7
30	47 570.2	1554.2	47 716.6	1663.4	47 863.1	1772.6	48 009.9	1882.1
35	39 102.6	1680.0	39 257.1	1789.3	39 411.7	1898.7	39 566.7	2008.3
40	30 635.0	1812.5	30 797.6	1922.0	30 960.4	2031.6	31 123.5	2141.3
45	22 167.6	1951.8	22 338.3	2061.5	22 509.2	2171.3	22 680.5	2281.2
75 50	13 700.2	2098.0	13 879.0	2207.8	14 058.1	2317.8	14 237.5	2428.0
83 55	805 233.0	2251.0	805 419.9	2361.0	805 607.1	2471.1	805 794.7	2581.4
91								
99 00	796 765.9	1 152 410.7	796 960.8	1 162 520.9	797 156.2	1 172 631.2	797 352.0	1 182 741.7
107 05	88 298.9	2577.2	88 502.0	2687.6	88 705.5	2798.1	88 909.5	2908.8
115 10	79 832.0	2750.5	80 043.3	2861.2	80 255.0	2971.9	80 467.1	3082.8
123 15	71 365.3	2930.7	71 584.7	3041.5	71 804.6	3152.5	72 024.9	3263.6
20	62 898.8	3117.6	63 126.3	3228.7	63 354.3	3339.8	63 582.8	3451.2
25	54 432.4	3311.3	54 668.0	3422.6	54 904.2	3534.0	55 140.8	3645.6
30	45 966.2	3511.8	46 209.9	3623.4	46 454.3	3735.1	46 699.0	3846.9
35	37 500.1	3719.1	37 752.0	3831.0	38 004.4	3942.9	38 257.4	4055.0
40	29 034.2	3933.3	29 294.3	4045.3	29 554.9	4157.5	29 816.0	4269.9
45	20 568.4	4154.2	20 836.7	4266.5	21 105.4	4379.0	21 374.7	4491.6
76 50	12 102.9	4381.9	12 379.2	4494.5	12 656.1	4607.2	12 933.5	4720.1
84 55	703 637.5	4616.4	703 922.0	4729.3	704 207.1	4842.3	704 492.6	4955.5
92								
100 00	695 172.3	1 154 857.7	695 465.0	1 164 970.9	695 758.2	1 175 084.2	696 051.9	1 185 197.7
108 05	86 707.3	5105.8	87 008.1	5219.3	87 309.4	5332.8	87 611.4	5446.7
116 10	78 242.6	5360.7	78 551.4	5474.5	78 860.9	5588.4	79 171.1	5702.5
124 15	69 778.0	5622.4	70 095.0	5736.5	70 412.7	5850.8	70 731.0	5965.2
20	61 313.7	5890.9	61 638.8	6005.3	61 964.7	6119.9	62 291.1	6234.7
25	52 849.5	6166.1	53 182.8	6281.0	53 516.9	6395.9	53 851.5	6511.0
30	44 385.6	6448.2	44 727.0	6563.4	45 069.2	6678.7	45 412.0	6794.1
35	35 921.9	6737.1	36 271.5	6852.6	36 621.7	6968.3	36 972.8	7084.0
40	27 458.5	7032.8	27 816.2	7148.7	28 174.6	7264.7	28 533.8	7380.8
45	18 995.3	7335.3	19 361.1	7451.5	19 727.7	7567.9	20 095.0	7684.4
77 50	10 532.3	7644.5	10 906.3	7761.2	11 282.0	7877.9	11 656.5	7994.8
85 55	602 069.6	7960.6	602 451.8	8077.6	602 834.7	8194.8	603 218.3	8312.0
93								
101 00	593 607.1	1 158 283.5	593 997.4	1 168 400.9	594 388.6	1 178 518.4	594 780.4	1 188 636.1
109 05	85 144.9	8613.1	85 543.3	8731.0	85 942.7	8848.9	86 342.7	8967.0
117 10	76 683.0	8949.6	77 089.5	9067.8	77 497.0	9186.2	77 905.2	9304.7
125 15	68 221.3	9292.8	68 636.1	9411.5	69 051.7	9530.3	69 468.0	1 189 649.2
20	59 760.0	9642.9	60 182.9	1 169 762.0	60 606.6	1 179 881.2	61 031.2	1 190 000.5
25	51 298.9	1 159 999.7	51 729.9	1 170 119.3	52 161.8	1 180 238.9	52 594.6	0358.7
30	542 838.1	1 160 363.4	543 277.1	1 170 483.4	543 717.4	1 180 603.5	544 158.2	1 190 723.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 45′.		Lat. 33° 50′.		Lat. 33° 55′.		Lat. 34° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 455 841.8	1 190 723.7	1 455 399.6	1 200 843.7	1 454 956.5	1 210 964.0	1 454 512.8	1 221 084.4
100	35	47 405.4	0358.7	46 971.5	0478.3	46 536.7	0598.1	46 101.2	0718.1
108	40	38 968.8	1 190 000.5	38 543.2	1 200 119.7	38 116.5	1 210 239.1	37 689.2	0358.6
116	45	30 532.0	1 189 649.2	30 114.5	1 199 767.9	29 696.1	1 209 886.9	29 276.9	1 220 006.0
69	50	22 094.8	9304.7	21 685.5	9423.0	21 275.4	9541.6	20 864.4	1 219 660.3
77	55	13 657.3	8967.0	13 256.2	9084.9	12 854.3	9203.1	12 451.6	9321.4
85									
93	00	1 405 219.6	1 188 636.1	1 404 826.7	1 198 753.6	1 404 433.0	1 208 871.4	1 404 038.6	1 218 989.3
101	05	1 396 781.7	8312.0	1 396 397.0	8429.1	1 396 011.5	8546.6	1 395 625.3	8664.1
109	10	88 343.5	7994.8	87 967.0	8111.5	87 589.7	8228.6	87 211.7	8345.7
117	15	79 905.0	7684.4	79 536.7	7800.8	79 167.6	7917.4	78 797.8	8034.2
	20	71 466.2	7380.8	71 106.1	7496.8	70 745.3	7613.1	70 383.7	7729.5
	25	63 027.2	7084.0	62 675.3	7199.7	62 322.7	7315.6	61 969.3	7431.7
	30	54 588.0	6794.1	54 244.3	6909.4	53 899.9	7025.0	53 554.8	7140.7
	35	46 148.5	6511.0	45 813.1	6625.9	45 476.9	6741.2	45 140.0	6856.5
	40	37 708.9	6234.7	37 381.6	6349.3	37 053.6	6464.2	36 725.0	6579.3
	45	29 269.0	5965.2	28 950.0	6079.5	28 630.1	6194.1	28 309.8	6308.8
70	50	20 828.9	5702.5	20 518.1	5816.5	20 206.4	5930.8	19 894.3	6045.2
78	55	12 388.6	5446.7	12 085.9	5560.4	11 782.5	5674.4	11 478.6	5788.5
86									
94	00	1 303 948.1	1 185 197.7	1 303 653.5	1 195 311.1	1 303 358.3	1 205 424.8	1 303 062.6	1 215 538.6
102	05	1 295 507.4	4955.5	1 295 221.0	5068.6	1 294 934.0	5182.0	1 294 646.5	5295.5
110	10	87 066.5	4720.1	86 788.3	4833.0	86 509.5	4946.1	86 230.2	5059.3
118	15	78 625.3	4491.6	78 355.4	4604.1	78 084.8	4717.0	77 813.7	4829.9
	20	70 184.0	4269.9	69 922.2	4382.1	69 659.9	4494.7	69 397.0	4607.4
	25	61 742.6	4055.0	61 488.9	4167.0	61 234.8	4279.3	60 980.2	4391.7
	30	53 301.0	3846.9	53 055.5	3958.7	52 809.6	4070.7	52 563.2	4182.9
	35	44 859.2	3645.6	44 621.9	3757.2	44 384.2	3869.0	44 146.0	3980.9
	40	36 417.2	3451.2	36 188.1	3562.5	35 958.6	3674.1	35 728.6	3785.8
	45	27 975.1	3263.6	27 754.2	3374.7	27 532.9	3486.0	27 311.1	3597.5
71	50	19 532.9	3082.8	19 320.2	3193.7	19 107.1	3304.8	18 893.5	3416.1
79	55	11 090.5	2908.8	10 886.0	3019.5	10 681.1	3130.4	10 475.8	3241.5
87									
95	00	1 202 648.0	1 182 741.7	1 202 451.6	1 192 852.1	1 202 255.0	1 202 962.9	1 202 057.8	1 213 073.7
103	05	1 194 205.3	2581.4	1 194 017.1	2691.6	1 193 828.6	2802.3	1 193 639.6	2912.8
111	10	85 762.5	2428.0	85 582.5	2537.9	85 402.3	2648.3	85 221.5	2758.8
119	15	77 319.5	2281.2	77 147.7	2391.1	76 975.7	2501.3	76 803.2	2611.6
	20	68 876.5	2141.3	68 712.9	2251.1	68 549.1	2361.1	68 384.8	2471.2
	25	60 433.3	2008.3	60 277.9	2117.9	60 122.3	2227.8	59 966.2	2337.7
	30	51 990.1	1882.1	51 842.9	1991.5	51 695.4	2101.2	51 547.6	2211.1
	35	43 546.7	1762.7	43 407.7	1872.0	43 268.4	1981.6	43 128.8	2091.2
	40	35 103.3	1650.1	34 972.5	1759.3	34 841.3	1868.7	34 710.0	1978.3
	45	26 659.7	1544.4	26 537.1	1653.4	26 414.2	1762.7	26 291.0	1872.1
72	50	18 216.1	1445.5	18 101.7	1554.4	17 987.0	1663.6	17 872.0	1772.9
80	55	09 772.3	1353.4	09 666.2	1462.2	09 559.6	1571.3	09 452.8	1680.4
88									
96	00	1 101 328.5	1 181 268.1	1 101 230.6	1 191 376.8	1 101 132.3	1 201 485.8	1 101 033.7	1 211 594.9
104	05	1 092 884.6	1189.6	1 092 794.7	1298.2	1 092 704.7	1407.1	1 092 614.3	1516.1
112	10	84 440.6	1118.1	84 358.9	1226.5	84 277.1	1335.3	84 194.9	1444.2
120	15	75 996.7	1053.2	75 923.2	1161.6	75 849.5	1270.4	75 775.5	1379.2
	20	67 552.8	0995.2	67 487.4	1103.6	67 421.9	1212.2	67 356.2	1321.0
	25	59 108.8	0944.0	59 051.6	1052.3	58 994.3	1160.9	58 936.8	1269.6
	30	50 664.9	0899.7	50 615.9	1007.9	50 566.7	1116.5	50 517.4	1225.1
	35	42 220.8	0862.2	42 179.9	0970.4	42 138.9	1078.9	42 097.8	1187.5
	40	33 776.6	0831.5	33 743.9	0939.6	33 711.1	1048.1	33 678.3	1156.7
	45	25 332.4	0807.6	25 307.9	0915.7	25 283.3	1024.2	25 258.7	1132.7
73	50	16 888.3	0790.5	16 872.0	0898.7	16 855.6	1007.1	16 839.1	1115.6
81	55	08 444.2	0780.3	08 436.0	0888.4	08 427.8	0996.8	08 419.6	1105.3
89									
97	00	1 000 000.0	1 180 776.9	1 000 000.0	1 190 885.0	1 000 000.0	1 200 993.4	1 000 000.0	1 211 101.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 33° 45′.		Lat. 33° 50′.		Lat. 33° 55′.		Lat. 34° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 180 776.9	1 000 000.0	1 190 885.0	1 000 000.0	1 200 993.4	1 000 000.0	1 211 101.9
105	05	991 555.8	0780.3	991 564.0	0888.4	991 572.2	0996.8	991 580.4	1105.3
113	10	83 111.7	0790.5	83 128.0	0898.7	83 144.4	1007.1	83 160.9	1115.6
121	15	74 667.6	0807.6	74 692.1	0915.7	74 716.7	1024.2	74 741.3	1132.7
	20	66 223.4	0831.5	66 256.1	0939.6	66 288.9	1048.1	66 321.7	1156.7
	25	57 779.2	0862.2	57 820.1	0970.4	57 861.1	1078.9	57 902.2	1187.5
	30	49 335.1	0899.7	49 384.1	1007.9	49 433.3	1116.5	49 482.6	1225.1
	35	40 891.2	0944.0	40 948.4	1052.3	41 005.7	1160.9	41 063.2	1269.6
	40	32 447.2	0995.2	32 512.6	1103.6	32 578.1	1212.2	32 643.8	1321.0
	45	24 003.3	1053.2	24 076.8	1161.6	24 150.5	1270.4	24 224.5	1379.2
74	50	15 559.4	1118.1	15 641.1	1226.5	15 722.9	1335.3	15 805.1	1444.2
82	55	907 115.4	1189.6	907 205.3	1298.2	907 295.3	1407.1	907 385.7	1516.1
90									
98	00	898 671.5	1 181 268.1	898 769.4	1 191 376.8	898 867.7	1 201 485.8	898 966.3	1 211 594.9
106	05	90 227.7	1353.4	90 333.8	1462.2	90 440.4	1571.3	90 547.2	1680.4
114	10	81 783.9	1445.5	81 898.3	1554.4	82 013.0	1663.6	82 128.0	1772.9
122	15	73 340.3	1544.4	73 462.9	1653.4	73 585.8	1762.7	73 709.0	1872.1
	20	64 896.7	1650.1	65 027.5	1759.3	65 158.7	1868.7	65 290.0	1978.3
	25	56 453.3	1762.7	56 592.3	1872.0	56 731.6	1981.6	56 871.2	2091.2
	30	48 009.9	1882.1	48 157.1	1991.5	48 304.6	2101.2	48 452.4	2211.1
	35	39 566.7	2008.3	39 722.1	2117.9	39 877.7	2227.8	40 033.8	2337.7
	40	31 123.5	2141.3	31 287.1	2251.1	31 450.9	2361.1	31 615.2	2471.2
	45	22 680.5	2281.2	22 852.3	2391.1	23 024.3	2501.3	23 196.8	2611.6
75	50	14 237.5	2428.0	14 417.5	2537.9	14 597.7	2648.3	14 778.5	2758.8
83	55	805 794.7	2581.4	805 982.9	2691.6	806 171.4	2802.3	806 360.4	2912.8
91									
99	00	797 352.0	1 182 741.7	797 548.4	1 192 852.1	797 745.0	1 202 962.9	797 942.2	1 213 073.7
107	05	88 909.5	2908.8	89 114.0	3019.5	89 318.9	3130.4	89 524.2	3241.5
115	10	80 467.1	3082.8	80 679.8	3193.7	80 892.9	3304.8	81 106.5	3416.1
123	15	72 024.9	3263.6	72 245.8	3374.7	72 467.1	3486.0	72 688.9	3597.5
	20	63 582.8	3451.2	63 811.9	3562.5	64 041.4	3674.1	64 271.4	3785.8
	25	55 140.8	3645.6	55 378.1	3757.2	55 615.8	3869.0	55 854.0	3980.9
	30	46 699.0	3846.9	46 944.5	3958.7	47 190.4	4070.7	47 436.8	4182.9
	35	38 257.4	4055.0	38 511.1	4167.0	38 765.2	4279.3	39 019.8	4391.7
	40	29 816.0	4269.9	30 077.8	4382.1	30 340.1	4494.7	30 603.0	4607.4
	45	21 374.7	4491.6	21 644.6	4604.1	21 915.2	4717.0	22 186.3	4829.9
76	50	12 933.5	4720.1	13 211.7	4833.0	13 490.5	4946.1	13 769.8	5059.3
84	55	704 492.6	4955.5	704 779.0	5068.6	705 066.0	5182.0	705 353.5	5295.5
92									
100	00	696 051.9	1 185 197.7	696 346.5	1 195 311.1	696 641.7	1 205 424.8	696 937.4	1 215 538.6
108	05	87 611.4	5446.7	87 914.1	5560.4	88 217.5	5674.4	88 521.4	5788.5
116	10	79 171.1	5702.5	79 481.9	5816.5	79 793.6	5930.8	80 105.7	6045.2
124	15	70 731.0	5965.2	71 050.0	6079.5	71 369.9	6194.1	71 690.2	6308.8
	20	62 291.1	6234.7	62 618.4	6349.3	62 946.4	6464.2	63 275.0	6579.3
	25	53 851.5	6511.0	54 186.9	6625.9	54 523.1	6741.2	54 860.0	6856.5
	30	45 412.0	6794.1	45 755.7	6909.4	46 100.1	7025.0	46 445.2	7140.7
	35	36 972.8	7084.0	37 324.7	7199.7	37 677.3	7315.6	38 030.7	7431.7
	40	28 533.8	7380.8	28 893.9	7496.8	29 254.7	7613.1	29 616.3	7729.5
	45	20 095.0	7684.4	20 463.3	7800.8	20 832.4	7917.4	21 202.2	8034.2
77	50	11 656.5	7994.8	12 033.0	8111.5	12 410.3	8228.6	12 788.3	8345.7
85	55	603 218.3	8312.0	603 603.0	8429.1	603 988.5	8546.6	604 374.7	8664.1
93									
101	00	594 780.4	1 188 636.1	595 173.3	1 198 753.6	595 567.0	1 208 871.4	595 961.4	1 218 989.3
109	05	86 342.7	8967.0	86 743.8	9084.9	87 145.7	9203.1	87 548.4	9321.4
117	10	77 905.2	9304.7	78 314.5	9423.0	78 724.6	9541.6	79 135.6	1 219 660.3
125	15	69 468.0	1 189 649.2	69 885.5	1 199 767.9	70 303.9	1 209 886.9	70 723.1	1 220 006.0
	20	61 031.2	1 190 000.5	61 456.8	1 200 119.7	61 883.5	1 210 239.1	62 310.8	0358.6
	25	52 594.6	0358.7	53 028.5	0478.3	53 463.3	0598.1	53 898.8	0718.1
	30	544 158.2	1 190 723.7	544 600.4	1 200 843.7	545 043.5	1 210 964.0	545 487.2	1 221 084.4

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 00′.		Lat. 34° 05′.		Lat. 34° 10′.		Lat. 34° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 454 512.8	1 221 084.4	1 454 067.6	1 231 204.7	1 453 621.7	1 241 325.2	1 453 174.9	1 251 445.6
100	35	46 101.2	0718.1	45 664.2	0837.9	45 226.6	0958.0	44 788.1	1078.1
108	40	37 689.2	0358.6	37 260.5	0478.0	36 831.2	0597.7	36 401.0	0717.3
116	45	29 276.9	1 220 006.0	28 856.6	1 230 125.0	28 435.5	1 240 244.2	28 013.5	0363.5
69	50	20 864.4	1 219 660.3	20 452.4	1 229 778.9	20 039.5	1 239 897.7	19 625.9	1 250 016.5
77	55	12 451.6	9321.4	12 047.8	9439.6	11 643.2	9558.0	11 237.8	1 249 676.5
85									
93	00	1 404 038.6	1 218 989.3	1 403 643.1	1 229 107.1	1 403 246.7	1 239 225.2	1 402 849.6	1 249 343.2
101	05	1 395 625.3	8664.1	1 395 238.0	8781.5	1 394 849.9	8899.2	1 394 461.1	9016.9
109	10	87 211.7	8345.7	86 832.6	8462.8	86 452.9	8580.0	86 072.3	8697.3
117	15	78 797.8	8034.2	78 427.0	8150.9	78 055.6	8267.8	77 683.3	8384.7
	20	70 383.7	7729.5	70 021.2	7845.9	69 658.0	7962.4	69 293.9	8079.0
	25	61 969.3	7431.7	61 615.1	7547.7	61 260.2	7663.9	60 904.5	7780.1
	30	53 554.8	7140.7	53 208.8	7256.4	52 862.0	7372.2	52 514.6	7488.1
	35	45 140.0	6856.5	44 802.2	6971.9	44 463.7	7087.5	44 124.5	7203.0
	40	36 725.0	6579.3	36 395.4	6694.2	36 065.2	6809.4	35 734.3	6924.7
	45	28 309.8	6308.8	27 988.5	6423.5	27 666.5	6538.4	27 344.0	6653.3
70	50	19 894.3	6045.2	19 581.2	6159.5	19 267.6	6274.2	18 953.3	6388.8
78	55	11 478.6	5788.5	11 173.8	5902.5	10 868.4	6016.8	10 562.4	6131.1
86									
94	00	1 303 062.6	1 215 538.6	1 302 766.1	1 225 652.4	1 302 469.0	1 235 766.3	1 302 171.3	1 245 880.3
102	05	1 294 646.5	5295.5	1 294 358.2	5409.0	1 294 069.3	5522.7	1 293 779.9	5636.5
110	10	86 230.2	5059.3	85 950.1	5172.5	85 669.5	5285.9	85 388.3	5399.5
118	15	77 813.7	4829.9	77 542.0	4942.9	77 269.6	5056.1	76 996.7	5169.3
	20	69 397.0	4607.4	69 133.5	4720.1	68 869.4	4833.0	68 604.8	4945.9
	25	60 980.2	4391.7	60 724.9	4504.2	60 469.1	4616.9	60 212.8	4729.6
	30	52 563.2	4182.9	52 316.1	4295.1	52 068.6	4407.5	51 820.5	4520.0
	35	44 146.0	3980.9	43 907.2	4092.9	43 667.9	4205.1	43 428.1	4317.3
	40	35 728.6	3785.8	35 498.0	3897.6	35 267.0	4009.5	35 035.5	4121.5
	45	27 311.1	3597.5	27 088.7	3709.0	26 866.0	3820.7	26 642.7	3932.5
71	50	18 893.5	3416.1	18 679.4	3527.4	18 464.9	3638.9	18 249.9	3750.5
79	55	10 475.8	3241.5	10 269.9	3352.6	10 063.6	3463.9	09 856.8	3575.3
87									
95	00	1 202 057.8	1 213 073.7	1 201 860.1	1 223 184.6	1 201 662.1	1 233 295.8	1 201 463.7	1 243 407.0
103	05	1 193 639.6	2912.8	1 193 450.2	3023.6	1 193 260.5	3134.5	1 193 070.4	3245.5
111	10	85 221.5	2758.8	85 040.3	2869.3	84 858.8	2980.1	84 677.0	3090.9
119	15	76 803.2	2611.6	76 630.2	2721.9	76 456.9	2832.5	76 283.4	2943.2
	20	68 384.8	2471.2	68 220.0	2581.5	68 055.0	2691.9	67 889.7	2802.4
	25	59 966.2	2337.7	59 809.7	2447.8	59 652.9	2558.0	59 495.8	2668.3
	30	51 547.6	2211.1	51 399.4	2320.9	51 250.8	2431.1	51 101.9	2541.3
	35	43 128.8	2091.2	42 988.8	2201.0	42 848.5	2310.9	42 707.9	2421.0
	40	34 710.0	1978.3	34 578.2	2087.9	34 446.1	2197.7	34 313.9	2307.6
	45	26 291.0	1872.1	26 167.5	1981.6	26 043.7	2091.3	25 919.7	2201.1
72	50	17 872.0	1772.9	17 756.8	1882.3	17 641.2	1991.9	17 525.4	2101.6
80	55	09 452.8	1680.4	09 345.8	1789.7	09 238.6	1899.3	09 131.1	2008.7
88									
96	00	1 101 033.7	1 211 594.9	1 100 934.9	1 221 704.1	1 100 835.9	1 231 813.4	1 100 736.7	1 241 922.8
104	05	1 092 614.3	1516.1	1 092 523.8	1625.2	1 092 433.0	1734.5	1 092 342.3	1843.9
112	10	84 194.9	1444.2	84 112.6	1553.2	84 030.1	1662.4	83 947.6	1771.7
120	15	75 775.5	1379.2	75 701.5	1488.1	75 627.2	1597.2	75 553.0	1706.4
	20	67 356.2	1321.0	67 290.4	1429.9	67 224.3	1538.9	67 158.3	1648.1
	25	58 936.8	1269.6	58 879.2	1378.5	58 821.4	1487.4	58 763.7	1596.5
	30	50 517.4	1225.1	50 468.1	1333.9	50 418.5	1442.8	50 369.0	1551.9
	35	42 097.8	1187.5	42 056.8	1296.2	42 015.3	1405.0	41 974.3	1514.1
	40	33 678.3	1156.7	33 645.4	1265.4	33 612.2	1374.2	33 579.4	1483.2
	45	25 258.7	1132.7	25 234.1	1241.4	25 209.2	1350.2	25 184.6	1459.1
73	50	16 839.1	1115.6	16 822.7	1224.2	16 806.1	1333.0	16 789.7	1442.0
81	55	08 419.6	1105.3	08 411.4	1213.9	08 403.1	1322.7	08 394.9	1431.6
89									
97	00	1 000 000.0	1 211 101.9	1 000 000.0	1 221 210.5	1 000 000.0	1 231 319.3	1 000 000.0	1 241 428.2
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 00′.		Lat. 34° 05′.		Lat. 34° 10′.		Lat. 34° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 211 101.9	1 000 000.0	1 221 210.5	1 000 000.0	1 231 319.3	1 000 000.0	1 241 428.2
105	05	991 580.4	1105.3	991 588.6	1213.9	991 596.9	1322.7	991 605.1	1431.6
113	10	83 160.9	1115.6	83 177.3	1224.2	83 193.9	1333.0	83 210.3	1442.0
121	15	74 741.3	1132.7	74 765.9	1241.4	74 790.8	1350.2	74 815.4	1459.1
	20	66 321.7	1156.7	66 354.6	1265.4	66 387.8	1374.2	66 420.6	1483.2
	25	57 902.2	1187.5	57 943.2	1296.2	57 984.7	1405.0	58 025.7	1514.1
	30	49 482.6	1225.1	49 531.9	1333.9	49 581.5	1442.8	49 631.0	1551.9
	35	41 063.2	1269.6	41 120.8	1378.5	41 178.6	1487.4	41 236.3	1596.5
	40	32 643.8	1321.0	32 709.6	1429.9	32 775.7	1538.9	32 841.7	1648.1
	45	24 224.5	1379.2	24 298.5	1488.1	24 372.8	1597.2	24 447.0	1706.4
74	50	15 805.1	1444.2	15 887.4	1553.2	15 969.9	1662.4	16 052.4	1771.7
82	55	907 385.7	1516.1	907 476.2	1625.2	907 567.0	1734.5	907 657.7	1843.9
90									
98	00	898 966.3	1 211 594.9	899 065.1	1 221 704.1	899 164.1	1 231 813.4	899 263.3	1 241 922.8
106	05	90 547.2	1680.4	90 654.2	1789.7	90 761.4	1899.3	90 868.9	2008.7
114	10	82 128.0	1772.9	82 243.2	1882.3	82 358.8	1991.9	82 474.6	2101.6
122	15	73 709.0	1872.1	73 832.5	1981.6	73 956.3	2091.3	74 080.3	2201.1
	20	65 290.0	1978.3	65 421.8	2087.9	65 553.9	2197.7	65 686.1	2307.6
	25	56 871.2	2091.2	57 011.2	2201.0	57 151.5	2310.9	57 292.1	2421.0
	30	48 452.4	2211.1	48 600.6	2320.9	48 749.2	2431.1	48 898.1	2541.3
	35	40 033.8	2337.7	40 190.3	2447.8	40 347.1	2558.0	40 504.2	2668.3
	40	31 615.2	2471.2	31 780.0	2581.5	31 945.0	2691.9	32 110.3	2802.4
	45	23 196.8	2611.6	23 369.8	2721.9	23 543.1	2832.5	23 716.6	2943.2
75	50	14 778.5	2758.8	14 959.7	2869.3	15 141.2	2980.1	15 323.0	3090.9
83	55	806 360.4	2912.8	806 549.8	3023.6	806 739.5	3134.5	806 929.6	3245.5
91									
99	00	797 942.2	1 213 073.7	798 139.9	1 223 184.6	798 337.9	1 233 295.8	798 536.3	1 243 407.0
107	05	89 524.2	3241.5	89 730.1	3352.6	89 936.4	3463.9	90 143.2	3575.3
115	10	81 106.5	3416.1	81 320.6	3527.4	81 535.1	3638.9	81 750.1	3750.5
123	15	72 688.9	3597.5	72 911.3	3709.0	73 134.0	3820.7	73 357.3	3932.5
	20	64 271.4	3785.8	64 502.0	3897.6	64 733.0	4009.5	64 964.5	4121.5
	25	55 854.0	3980.9	56 092.8	4092.9	56 332.1	4205.1	56 571.9	4317.3
	30	47 436.8	4182.9	47 683.9	4295.1	47 931.4	4407.5	48 179.5	4520.0
	35	39 019.8	4391.7	39 275.1	4504.2	39 530.8	4616.9	39 787.2	4729.6
	40	30 603.0	4607.4	30 866.5	4720.1	31 130.6	4833.0	31 395.2	4945.9
	45	22 186.3	4829.9	22 458.0	4942.9	22 730.4	5056.1	23 003.3	5169.3
76	50	13 769.8	5059.3	14 049.9	5172.5	14 330.5	5285.9	14 611.7	5399.5
84	55	705 353.5	5295.5	705 641.8	5409.0	705 930.7	5522.7	706 220.1	5636.5
92									
100	00	696 937.4	1 215 538.6	697 233.9	1 225 652.4	697 531.0	1 235 766.3	697 828.7	1 245 880.4
108	05	88 521.4	5788.5	88 826.2	5902.5	89 131.6	6016.8	89 437.6	6131.1
116	10	80 105.7	6045.2	80 418.8	6159.5	80 732.4	6274.2	81 046.7	6388.8
124	15	71 690.2	6308.8	72 011.5	6423.5	72 333.5	6538.4	72 656.0	6653.3
	20	63 275.0	6579.3	63 604.6	6694.2	63 934.8	6809.4	64 265.7	6924.7
	25	54 860.0	6856.5	55 197.8	6971.9	55 536.3	7087.5	55 875.5	7203.0
	30	46 445.2	7140.7	46 791.2	7256.4	47 138.0	7372.2	47 485.4	7488.1
	35	38 030.7	7431.7	38 384.9	7547.7	38 739.8	7663.9	39 095.5	7780.1
	40	29 616.3	7729.5	29 978.8	7845.9	30 342.0	7962.4	30 706.1	8079.0
	45	21 202.2	8034.2	21 573.0	8150.9	21 944.4	8267.8	22 316.7	8384.7
77	50	12 788.3	8345.7	13 167.4	8462.8	13 547.1	8580.0	13 927.7	8697.3
85	55	604 374.7	8664.1	604 762.0	8781.5	605 150.1	8899.2	605 538.9	9016.9
93									
101	00	595 961.4	1 218 989.3	596 356.9	1 229 107.1	596 753.3	1 239 225.2	597 150.4	1 249 343.2
109	05	87 548.4	9321.4	87 952.2	9439.6	88 356.8	9558.0	88 762.2	1 249 676.5
117	10	79 135.6	1 219 660.3	79 547.6	1 229 778.9	79 960.5	1 239 897.7	80 374.1	1 250 016.5
125	15	70 723.1	1 220 006.0	71 143.4	1 230 125.0	71 564.5	1 240 244.2	71 986.5	0363.5
	20	62 310.8	0358.6	62 739.5	0478.0	63 168.8	0597.7	63 599.0	0717.3
	25	53 898.8	0718.1	54 335.8	0837.9	54 773.4	0958.0	55 211.9	1078.1
	30	545 487.2	1 221 084.4	545 932.4	1 231 204.7	546 378.3	1 241 325.2	546 825.1	1 251 445.6

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 34° 15′.		Lat. 34° 20′.		Lat. 34° 25′.		Lat. 34° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 453 174.9	1 251 445.6	1 452 727.1	1 261 566.1	1 452 278.3	1 271 686.7	1 451 828.6	1 281 807.3
100 35	44 788.1	1078.1	44 348.5	1198.1	43 908.2	1318.3	43 466.8	1438.5
108 40	36 401.0	0717.3	35 969.8	0836.9	35 537.7	0956.7	35 104.7	1076.5
116 45	28 013.5	0363.5	27 590.7	0482.7	27 167.0	0602.0	26 742.3	0721.5
69 50	19 625.9	1 250 016.5	19 211.3	1 260 135.3	18 796.0	1 270 254.3	18 379.6	0373.3
77 55	11 237.8	1 249 676.5	10 831.6	1 259 794.8	10 424.5	1 269 913.5	10 016.6	1 280 032.1
85								
93 00	1 402 849.6	1 249 343.2	1 402 451.6	1 259 461.2	1 402 052.9	1 269 579.5	1 401 653.3	1 279 697.7
101 05	1 394 461.1	9016.9	1 394 071.4	9134.5	1 393 681.1	9252.3	1 393 289.7	9370.2
109 10	86 072.3	8697.3	85 691.0	8814.6	85 308.9	8932.1	84 925.9	9049.6
117 15	77 683.3	8384.7	77 310.3	8501.7	76 936.5	8618.8	76 561.9	8736.0
20	69 293.9	8079.0	68 929.2	8195.6	68 563.8	8312.4	68 197.6	8429.2
25	60 904.5	7780.1	60 548.0	7896.4	60 190.9	8012.8	59 833.0	8129.3
30	52 514.6	7488.1	52 166.5	7604.1	51 817.7	7720.2	51 468.1	7836.3
35	44 124.5	7203.0	43 784.8	7318.6	43 444.3	7434.3	43 103.0	7550.2
40	35 734.3	6924.7	35 402.8	7040.0	35 070.7	7155.5	34 737.8	7271.0
45	27 344.0	6653.3	27 020.7	6768.3	26 696.8	6883.5	26 372.3	6998.7
70 50	18 953.3	6388.8	18 638.3	6503.5	18 322.8	6618.3	18 006.6	6733.2
78 55	10 562.4	6131.1	10 255.8	6245.5	09 948.5	6360.1	09 640.6	6474.7
86								
94 00	1 302 171.3	1 245 880.3	1 301 872.9	1 255 994.4	1 301 574.1	1 266 108.7	1 301 274.4	1 276 223.1
102 05	1 293 779.9	5636.5	1 293 489.8	5750.3	1 293 199.3	5864.3	1 292 908.0	5978.3
110 10	85 388.3	5399.5	85 106.6	5513.0	84 824.3	5626.7	84 541.4	5740.5
118 15	76 996.7	5169.3	76 723.2	5282.5	76 449.2	5396.0	76 174.6	5509.5
20	68 604.8	4945.9	68 339.7	5058.9	68 074.0	5172.2	67 807.6	5285.5
25	60 212.8	4729.6	59 955.9	4842.3	59 698.5	4955.3	59 440.5	5068.3
30	51 820.5	4520.0	51 571.9	4632.5	51 322.9	4745.2	51 073.2	4858.0
35	43 428.1	4317.3	43 187.8	4429.6	42 947.1	4542.1	42 705.7	4654.7
40	35 035.5	4121.5	34 803.5	4233.5	34 571.0	4345.8	34 338.1	4458.2
45	26 642.7	3932.5	26 419.0	4044.4	26 194.9	4156.5	25 970.2	4268.6
71 50	18 249.9	3750.5	18 034.4	3862.1	17 818.6	3973.9	17 602.2	4085.9
79 55	09 856.8	3575.3	09 649.7	3686.8	09 442.2	3798.4	09 234.1	3910.1
87								
95 00	1 201 463.7	1 243 407.0	1 201 264.8	1 253 518.2	1 201 065.6	1 263 629.7	1 200 865.9	1 273 741.2
103 05	1 193 070.4	3245.5	1 192 879.6	3356.5	1 192 688.8	3467.8	1 192 497.5	3579.2
111 10	84 677.0	3090.9	84 494.7	3201.8	84 312.0	3312.9	84 129.0	3424.1
119 15	76 283.4	2943.2	76 109.4	3053.9	75 935.0	3164.8	75 760.3	3275.8
20	67 889.7	2802.4	67 724.0	2912.9	67 558.0	3023.6	67 391.6	3134.5
25	59 495.8	2668.3	59 338.5	2778.8	59 180.8	2889.4	59 022.7	3000.0
30	51 101.9	2541.3	50 952.9	2651.5	50 803.5	2762.0	50 653.7	2872.5
35	42 707.9	2421.0	42 567.2	2531.1	42 426.1	2641.4	42 284.6	2751.9
40	34 313.9	2307.6	34 181.4	2417.6	34 048.6	2527.8	33 915.4	2638.1
45	25 919.7	2201.1	25 795.5	2311.0	25 671.0	2421.1	25 546.1	2531.3
72 50	17 525.4	2101.6	17 409.5	2211.3	17 293.3	2321.3	17 176.8	2431.3
80 55	09 131.1	2008.7	09 023.4	2118.4	08 915.6	2228.3	08 807.4	2338.2
88								
96 00	1 100 736.7	1 241 922.8	1 100 637.3	1 252 032.4	1 100 537.8	1 262 142.2	1 100 437.9	1 272 252.1
104 05	1 092 342.3	1843.9	1 092 251.0	1953.4	1 092 159.7	2063.0	1 092 068.2	2172.8
112 10	83 947.6	1771.7	83 864.6	1881.1	83 781.6	1990.7	83 698.4	2100.4
120 15	75 553.0	1706.4	75 478.3	1815.8	75 403.6	1925.3	75 328.7	2034.9
20	67 158.3	1648.1	67 092.1	1757.3	67 025.5	1866.8	66 959.0	1976.3
25	58 763.7	1596.5	58 705.6	1705.7	58 647.5	1815.1	58 589.2	1924.6
30	50 369.0	1551.9	50 319.3	1661.0	50 269.4	1770.3	50 219.5	1879.8
35	41 974.3	1514.1	41 932.8	1623.1	41 891.3	1732.4	41 849.6	1841.9
40	33 579.4	1483.2	33 546.2	1592.2	33 513.0	1701.5	33 479.7	1810.8
45	25 184.6	1459.1	25 159.7	1568.1	25 134.8	1677.4	25 109.7	1786.7
73 50	16 789.7	1442.0	16 773.1	1551.0	16 756.5	1660.2	16 739.8	1769.5
81 55	08 394.9	1431.6	08 386.6	1540.6	08 378.3	1649.8	08 369.9	1759.1
89								
97 00	1 000 000.0	1 241 428.2	1 000 000.0	1 251 537.2	1 000 000.0	1 261 646.4	1 000 000.0	1 271 755.7
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 15′.		Lat. 34° 20′.		Lat. 34° 25′.		Lat. 34° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 241 428.2	1 000 000.0	1 251 537.2	1 000 000.0	1 261 646.4	1 000 000.0	1 271 755.7
105	05	991 605.1	1431.6	991 613.4	1540.6	991 621.7	1649.8	991 630.1	1759.1
113	10	83 210.3	1442.0	83 226.9	1551.0	83 243.5	1660.2	83 260.2	1769.5
121	15	74 815.4	1459.1	74 840.3	1568.1	74 865.2	1677.4	74 890.3	1786.7
	20	66 420.6	1483.2	66 453.8	1592.2	66 487.0	1701.5	66 520.3	1810.8
	25	58 025.7	1514.1	58 067.2	1623.1	58 108.7	1732.4	58 150.4	1841.9
	30	49 631.0	1551.9	49 680.7	1661.0	49 730.6	1770.3	49 780.5	1879.8
	35	41 236.3	1596.5	41 294.4	1705.7	41 352.5	1815.1	41 410.8	1924.6
	40	32 841.7	1648.1	32 907.9	1757.3	32 974.5	1866.8	33 041.0	1976.3
	45	24 447.0	1706.4	24 521.7	1815.8	24 596.4	1925.3	24 671.3	2034.9
74	50	16 052.4	1771.7	16 135.4	1881.1	16 218.4	1990.7	16 301.6	2100.4
82	55	907 657.7	1843.9	907 749.0	1953.4	907 840.3	2063.0	907 931.8	2172.8
90									
98	00	899 263.3	1 241 922.8	899 362.7	1 252 032.4	899 462.2	1 262 142.2	899 562.1	1 272 252.1
106	05	90 868.9	2008.7	90 976.6	2118.4	91 084.4	2228.3	91 192.6	2338.2
114	10	82 474.6	2101.6	82 590.5	2211.3	82 706.7	2321.3	82 823.2	2431.3
122	15	74 080.3	2201.1	74 204.5	2311.0	74 329.0	2421.1	74 453.9	2531.3
	20	65 686.1	2307.6	65 818.6	2417.6	65 951.4	2527.8	66 084.6	2638.1
	25	57 292.1	2421.0	57 432.8	2531.1	57 573.9	2641.4	57 715.4	2751.9
	30	48 898.1	2541.3	49 047.1	2651.5	49 196.5	2762.0	49 346.3	2872.5
	35	40 504.2	2668.3	40 661.5	2778.8	40 819.2	2889.4	40 977.3	3000.0
	40	32 110.3	2802.4	32 276.0	2912.9	32 442.0	3023.6	32 608.4	3134.5
	45	23 716.6	2943.2	23 890.6	3053.9	24 065.0	3164.8	24 239.7	3275.8
75	50	15 323.0	3090.9	15 505.3	3201.8	15 688.0	3312.9	15 871.0	3424.1
83	55	806 929.6	3245.5	807 120.4	3356.5	807 311.2	3467.8	807 502.5	3579.2
91									
99	00	798 536.3	1 243 407.0	798 735.2	1 253 518.2	798 934.4	1 263 629.7	799 134.1	1 273 741.2
107	05	90 143.2	3575.3	90 350.3	3686.8	90 557.8	3798.4	90 765.9	3910.1
115	10	81 750.1	3750.5	81 965.6	3862.1	82 181.4	3973.9	82 397.8	4085.9
123	15	73 357.3	3932.5	73 581.0	4044.4	73 805.1	4156.5	74 029.8	4268.6
	20	64 964.5	4121.5	65 196.5	4233.5	65 429.0	4345.8	65 661.9	4458.2
	25	56 571.9	4317.3	56 812.2	4429.6	57 052.9	4542.1	57 294.3	4654.7
	30	48 179.5	4520.0	48 428.1	4632.5	48 677.1	4745.2	48 926.8	4858.0
	35	39 787.2	4729.6	40 044.1	4842.3	40 301.5	4955.3	40 559.5	5068.3
	40	31 395.2	4945.9	31 660.3	5058.9	31 926.0	5172.2	32 192.4	5285.5
	45	23 003.3	5169.3	23 276.8	5282.5	23 550.8	5396.0	23 825.4	5509.5
76	50	14 611.7	5399.5	14 893.4	5513.0	15 175.7	5626.7	15 458.6	5740.5
84	55	706 220.1	5636.5	706 510.2	5750.3	706 800.7	5864.3	707 092.0	5978.3
92									
100	00	697 828.7	1 245 880.4	698 127.1	1 255 994.4	698 425.9	1 266 108.7	698 725.6	1 276 223.1
108	05	89 437.6	6131.1	89 744.2	6245.5	90 051.5	6360.1	90 359.4	6474.7
116	10	81 046.7	6388.8	81 361.7	6503.5	81 677.2	6618.3	81 993.4	6733.2
124	15	72 656.0	6653.3	72 979.3	6768.3	73 303.2	6883.5	73 627.7	6998.7
	20	64 265.7	6924.7	64 597.2	7040.0	64 929.3	7155.5	65 262.2	7271.0
	25	55 875.5	7203.0	56 215.2	7318.6	56 555.7	7434.3	56 897.0	7550.2
	30	47 485.4	7488.1	47 833.5	7604.1	48 182.3	7720.2	48 531.9	7836.3
	35	39 095.5	7780.1	39 452.0	7896.4	39 809.1	8012.8	40 167.0	8129.3
	40	30 706.1	8079.0	31 070.8	8195.6	31 436.2	8312.4	31 802.4	8429.2
	45	22 316.7	8384.7	22 689.7	8501.7	23 063.5	8618.8	23 438.1	8736.0
77	50	13 927.7	8697.3	14 309.0	8814.6	14 691.1	8932.1	15 074.1	9049.6
85	55	605 538.9	9016.9	605 928.6	9134.5	606 318.9	9252.3	606 710.3	9370.2
93									
101	00	597 150.4	1 249 343.2	597 548.4	1 259 461.2	597 947.1	1 269 579.5	598 346.7	1 279 697.7
109	05	88 762.2	1 249 676.5	89 168.4	1 259 794.8	89 575.5	1 269 913.5	89 983.4	1 280 032.1
117	10	80 374.1	1 250 016.5	80 788.7	1 260 135.3	81 204.0	1 270 254.3	81 620.4	0373.3
125	15	71 986.5	0363.5	72 409.3	0482.7	72 833.0	0602.0	73 257.7	0721.5
	20	63 599.0	0717.3	64 030.2	0836.9	64 462.3	0956.7	64 895.3	1076.5
	25	55 211.9	1078.1	55 651.5	1198.1	56 091.8	1318.3	56 533.2	1438.5
	30	546 825.1	1 251 445.6	547 272.9	1 261 566.1	547 721.7	1 271 686.7	548 171.4	1 281 807.3

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 30′.		Lat. 34° 35′.		Lat. 34° 40′.		Lat. 34° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 451 828.6	1 281 807.3	1 451 377.9	1 291 928.0	1 450 926.2	1 302 048.6	1 450 473.7	1 312 169.3
100	35	43 466.8	1438.5	43 024.4	1558.8	42 581.2	1678.9	42 137.0	1799.2
108	40	35 104.7	1076.5	34 670.7	1196.3	34 235.8	1316.2	33 800.0	1436.1
116	45	26 742.3	0721.5	26 316.6	0840.9	25 890.2	0960.3	25 462.7	1079.8
69	50	18 379.6	0373.3	17 962.3	0492.4	17 544.1	0611.4	17 125.1	0730.5
77	55	10 016.6	1 280 032.1	09 607.6	1 290 150.8	09 197.9	1 300 269.4	08 787.3	0388.1
85									
93	00	1 401 653.3	1 279 697.7	1 401 252.7	1 289 816.0	1 400 851.4	1 299 934.3	1 400 449.2	1 310 052.7
101	05	1 393 289.7	9370.2	1 392 897.5	9488.2	1 392 504.5	9606.1	1 392 110.7	1 309 724.1
109	10	84 925.9	9049.6	84 542.0	9167.3	84 157.5	9284.8	83 772.1	9402.5
117	15	76 561.9	8736.0	76 186.2	8853.2	75 810.0	8970.4	75 433.0	9087.7
	20	68 197.6	8429.2	67 830.3	8546.1	67 462.4	8663.0	67 093.8	8779.9
	25	59 833.0	8129.3	59 474.1	8245.9	59 114.5	8362.4	58 754.3	8479.1
	30	51 468.1	7836.3	51 117.6	7952.6	50 766.5	8068.7	50 414.7	8185.1
	35	43 103.0	7550.2	42 760.9	7666.1	42 418.2	7782.0	42 074.7	7898.0
	40	34 737.8	7271.0	34 403.9	7386.6	34 069.6	7502.2	33 734.5	7617.9
	45	26 372.3	6998.7	26 046.8	7114.0	25 720.8	7229.3	25 394.1	7344.7
70	50	18 006.6	6733.2	17 689.3	6848.3	17 371.8	6963.3	17 053.5	7078.4
78	55	09 640.6	6474.7	09 331.8	6589.5	09 022.5	6704.1	08 712.6	6819.0
86									
94	00	1 301 274.4	1 276 223.1	1 300 974.0	1 286 337.5	1 300 673.1	1 296 451.9	1 300 371.5	1 306 566.5
102	05	1 292 908.0	5978.3	1 292 615.9	6092.6	1 292 323.4	6206.7	1 292 030.2	6320.9
110	10	84 541.4	5740.5	84 257.7	5854.4	83 973.5	5968.3	83 688.8	6082.3
118	15	76 174.6	5509.5	75 899.2	5623.2	75 623.5	5736.8	75 347.1	5850.6
	20	67 807.6	5285.5	67 540.6	5398.9	67 273.2	5512.3	67 005.2	5625.8
	25	59 440.5	5068.3	59 181.8	5181.5	58 922.8	5294.6	58 663.2	5407.9
	30	51 073.2	4858.0	50 822.9	4971.0	50 572.2	5083.9	50 321.0	5197.0
	35	42 705.7	4654.7	42 463.8	4767.4	42 221.4	4880.1	41 978.6	4992.9
	40	34 338.1	4458.2	34 104.4	4570.7	33 870.4	4683.2	33 636.0	4795.8
	45	25 970.2	4268.6	25 745.0	4380.9	25 519.4	4493.2	25 293.3	4605.6
71	50	17 602.2	4085.9	17 385.4	4198.0	17 168.2	4310.1	16 950.5	4422.3
79	55	09 234.1	3910.1	09 025.7	4022.0	08 816.8	4133.9	08 607.4	4245.9
87									
95	00	1 200 865.9	1 273 741.2	1 200 665.7	1 283 852.9	1 200 465.2	1 293 964.6	1 200 264.2	1 304 076.4
103	05	1 192 497.5	3579.2	1 192 305.6	3690.7	1 192 113.4	3802.2	1 191 920.8	3913.8
111	10	84 129.0	3424.1	83 945.5	3535.4	83 761.6	3646.7	83 577.4	3758.2
119	15	75 760.3	3275.8	75 585.2	3387.1	75 409.7	3498.2	75 233.9	3609.5
	20	67 391.6	3134.5	67 224.8	3245.5	67 057.7	3356.5	66 890.3	3467.7
	25	59 022.7	3000.0	58 864.2	3110.9	58 705.5	3221.8	58 546.4	3332.8
	30	50 653.7	2872.5	50 503.6	2983.3	50 353.3	3094.0	50 202.5	3204.9
	35	42 284.6	2751.9	42 142.8	2862.5	42 000.9	2973.1	41 858.5	3083.8
	40	33 915.4	2638.1	33 782.0	2748.6	33 648.4	2859.1	33 514.4	2969.6
	45	25 546.1	2531.3	25 421.0	2641.6	25 295.8	2752.0	25 170.1	2862.4
72	50	17 176.8	2431.3	17 060.0	2541.6	16 943.1	2651.8	16 825.8	2762.2
80	55	08 807.4	2338.2	08 698.9	2448.4	08 590.3	2558.5	08 481.5	2668.8
88									
96	00	1 100 437.9	1 272 252.1	1 100 337.8	1 282 362.1	1 100 237.5	1 292 472.2	1 100 137.0	1 302 582.3
104	05	1 092 068.2	2172.8	1 091 976.4	2282.7	1 091 884.5	2392.7	1 091 792.4	2502.7
112	10	83 698.4	2100.4	83 615.0	2210.3	83 531.5	2320.2	83 447.7	2430.1
120	15	75 328.7	2034.9	75 253.7	2144.7	75 178.4	2254.5	75 103.1	2364.4
	20	66 959.0	1976.3	66 892.3	2086.1	66 825.4	2195.8	66 758.5	2305.7
	25	58 589.2	1924.6	58 530.9	2034.3	58 472.4	2143.9	58 413.8	2253.8
	30	50 219.5	1879.8	50 169.5	1989.4	50 119.4	2099.0	50 069.2	2208.8
	35	41 849.6	1841.9	41 807.9	1951.5	41 766.2	2061.1	41 724.3	2170.7
	40	33 479.7	1810.8	33 446.3	1920.4	33 412.9	2030.0	33 379.5	2139.6
	45	25 109.7	1786.7	25 084.7	1896.3	25 059.7	2005.8	25 034.6	2115.4
73	50	16 739.8	1769.5	16 723.2	1879.0	16 706.5	1988.5	16 689.7	2098.1
81	55	08 369.9	1759.1	08 361.6	1868.6	08 353.2	1978.1	08 344.9	2087.7
89									
97	00	1 000 000.0	1 271 755.7	1 000 000.0	1 281 865.2	1 000 000.0	1 291 974.7	1 000 000.0	1 302 084.3
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 30′.		Lat. 34° 35′.		Lat. 34° 40′.		Lat. 34° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 271 755.7	1 000 000.0	1 281 865.2	1 000 000.0	1 291 974.7	1 000 000.0	1 302 084.3
105	05	991 630.1	1759.1	991 638.4	1868.6	991 646.8	1978.1	991 655.1	2087.7
113	10	83 260.2	1769.5	83 276.8	1879.0	83 293.5	1988.5	83 310.3	2098.1
121	15	74 890.3	1786.7	74 915.3	1896.3	74 940.3	2005.8	74 965.4	2115.4
	20	66 520.3	1810.8	66 553.7	1920.4	66 587.1	2030.0	66 620.5	2139.6
	25	58 150.4	1841.9	58 192.1	1951.5	58 233.8	2061.1	58 275.7	2170.7
	30	49 780.5	1879.8	49 830.5	1989.4	49 880.6	2099.0	49 930.8	2208.8
	35	41 410.8	1924.6	41 469.1	2034.3	41 527.6	2143.9	41 586.2	2253.8
	40	33 041.0	1976.3	33 107.7	2086.1	33 174.6	2195.8	33 241.5	2305.7
	45	24 671.3	2034.9	24 746.3	2144.7	24 821.6	2254.5	24 896.9	2364.4
74	50	16 301.6	2100.4	16 385.0	2210.3	16 468.5	2320.2	16 552.3	2430.1
82	55	907 931.8	2172.8	908 023.6	2282.7	908 115.5	2392.7	908 207.6	2502.7
90									
98	00	899 562.1	1 272 252.1	899 662.2	1 282 362.1	899 762.5	1 292 472.2	899 863.0	1 302 582.3
106	05	91 192.6	2338.2	91 301.1	2448.4	91 409.7	2558.5	91 518.5	2668.8
114	10	82 823.2	2431.3	82 940.0	2541.6	83 056.9	2651.8	83 174.2	2762.2
122	15	74 453.9	2531.3	74 579.0	2641.6	74 704.2	2752.0	74 829.9	2862.4
	20	66 084.6	2638.1	66 218.0	2748.6	66 351.6	2859.1	66 485.6	2969.6
	25	57 715.4	2751.9	57 857.2	2862.5	57 999.1	2973.1	58 141.5	3083.8
	30	49 346.3	2872.5	49 496.4	2983.3	49 646.7	3094.0	49 797.5	3204.9
	35	40 977.3	3000.0	41 135.8	3110.9	41 294.5	3221.8	41 453.6	3332.8
	40	32 608.4	3134.5	32 775.2	3245.5	32 942.3	3356.5	33 109.7	3467.7
	45	24 239.7	3275.8	24 414.8	3387.1	24 590.3	3498.2	24 766.1	3609.5
75	50	15 871.0	3424.1	16 054.5	3535.4	16 238.4	3646.7	16 422.6	3758.2
83	55	807 502.5	3579.2	807 694.4	3690.7	807 886.6	3802.2	808 079.2	3913.8
91									
99	00	799 134.1	1 273 741.2	799 334.3	1 283 852.9	799 534.8	1 293 964.6	799 735.8	1 304 076.4
107	05	90 765.9	3910.1	90 974.3	4022.0	91 183.2	4133.9	91 392.6	4245.9
115	10	82 397.8	4085.9	82 614.6	4198.0	82 831.8	4310.1	83 049.5	4422.3
123	15	74 029.8	4268.6	74 255.0	4380.9	74 480.6	4493.2	74 706.7	4605.6
	20	65 661.9	4458.2	65 895.6	4570.7	66 129.6	4683.2	66 364.0	4795.8
	25	57 294.3	4654.7	57 536.2	4767.4	57 778.6	4880.1	58 021.4	4992.9
	30	48 926.8	4858.0	49 177.1	4971.0	49 427.8	5083.9	49 679.0	5197.0
	35	40 559.5	5068.3	40 818.2	5181.5	41 077.2	5294.6	41 336.8	5407.9
	40	32 192.4	5285.5	32 459.4	5398.9	32 726.8	5512.3	32 994.8	5625.8
	45	23 825.4	5509.5	24 100.8	5623.2	24 376.5	5736.8	24 652.9	5850.6
76	50	15 458.6	5740.5	15 742.3	5854.4	16 026.5	5968.3	16 311.2	6082.3
84	55	707 092.0	5978.3	707 384.1	6092.6	707 676.6	6206.7	707 969.8	6320.9
92									
100	00	698 725.6	1 276 223.1	699 026.0	1 286 337.5	699 326.9	1 296 451.9	699 628.5	1 306 566.5
108	05	90 359.4	6474.7	90 668.2	6589.5	90 977.5	6704.1	91 287.4	6819.0
116	10	81 993.4	6733.2	82 310.7	6848.3	82 628.2	6963.3	82 946.5	7078.4
124	15	73 627.7	6998.7	73 953.2	7114.0	74 279.2	7229.3	74 605.9	7344.7
	20	65 262.2	7271.0	65 596.1	7386.6	65 930.4	7502.2	66 265.5	7617.9
	25	56 897.0	7550.2	57 239.1	7666.1	57 581.8	7782.0	57 925.3	7898.0
	30	48 531.9	7836.3	48 882.4	7952.6	49 233.5	8068.7	49 585.3	8185.1
	35	40 167.0	8129.3	40 525.9	8245.9	40 885.5	8362.4	41 245.7	8479.1
	40	31 802.4	8429.2	32 169.7	8546.1	32 537.6	8663.0	32 906.2	8779.9
	45	23 438.1	8736.0	23 813.8	8853.2	24 190.0	8970.4	24 567.0	9087.7
77	50	15 074.1	9049.6	15 458.0	9167.3	15 842.5	9284.8	16 227.9	9402.5
85	55	606 710.3	9370.2	607 102.5	9488.2	607 495.5	9606.1	607 889.3	1 309 724.1
93									
101	00	598 346.7	1 279 697.7	598 747.3	1 289 816.0	599 148.6	1 299 934.3	599 550.8	1 310 052.7
109	05	89 983.4	1 280 032.1	90 392.4	1 290 150.8	90 802.1	1 300 269.4	91 212.7	0388.1
117	10	81 620.4	0373.3	82 037.7	0492.4	82 455.9	0611.4	82 874.9	0730.5
125	15	73 257.7	0721.5	73 683.4	0840.9	74 109.8	0960.3	74 537.3	1079.8
	20	64 895.3	1076.5	65 329.3	1196.3	65 764.2	1316.2	66 200.0	1436.1
	25	56 533.2	1438.5	56 975.6	1558.8	57 418.8	1678.9	57 863.0	1799.2
	30	548 171.4	1 281 807.3	548 622.1	1 291 928.0	549 073.8	1 302 048.6	549 526.3	1 312 169.3

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 45′.		Lat. 34° 50′.		Lat. 34° 55′.		Lat. 35° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 450 473.7	1 312 169.3	1 450 020.1	1 322 290.1	1 449 565.7	1 332 411.0	1 449 110.2	1 342 531.9
100	35	42 137.0	1799.2	41 691.9	1919.7	41 245.9	2040.1	40 798.9	2160.6
108	40	33 800.0	1436.1	33 363.3	1556.1	32 925.8	1676.2	32 487.2	1796.3
116	45	25 462.7	1079.8	25 034.4	1199.5	24 605.3	1319.1	24 175.2	1438.9
69	50	17 125.1	0730.5	16 705.3	0849.8	16 284.5	0969.2	15 862.9	1088.5
77	55	08 787.3	0388.1	08 375.8	0507.1	1 407 963.5	0626.0	1 407 550.4	0745.0
85									
93	00	1 400 449.2	1 310 052.7	1 400 046.0	1 320 171.2	1 399 642.1	1 330 289.8	1 399 237.5	1 340 408.4
101	05	1 392 110.7	1 309 724.1	1 391 716.0	1 319 842.3	91 320.5	1 329 960.5	90 924.3	1 340 078.8
109	10	83 772.1	9402.5	83 385.8	9520.3	82 998.8	9638.2	82 610.9	1 339 756.1
117	15	75 433.0	9087.7	75 055.2	9205.2	74 676.5	9322.8	74 297.3	9440.4
	20	67 093.8	8779.9	66 724.4	8897.1	66 354.2	9014.3	65 983.3	9131.6
	25	58 754.3	8479.1	58 393.4	8595.9	58 031.5	8712.8	57 669.1	8829.7
	30	50 414.7	8185.1	50 062.0	8301.6	49 708.7	8418.1	49 354.6	8534.8
	35	42 074.7	7898.0	41 730.4	8014.2	41 385.6	8130.5	41 039.9	8246.8
	40	33 734.5	7617.9	33 398.7	7733.8	33 062.3	7849.8	32 725.0	7965.8
	45	25 394.1	7344.7	25 066.7	7460.3	24 738.7	7575.9	24 409.9	7691.7
70	50	17 053.5	7078.4	16 734.5	7193.7	16 414.9	7309.1	16 094.5	7424.5
78	55	08 712.6	6819.0	08 402.0	6934.0	1 308 090.9	7049.1	1 307 779.0	7164.3
86									
94	00	1 300 371.5	1 306 566.5	1 300 069.3	1 316 681.2	1 299 766.6	1 326 796.1	1 299 463.2	1 336 911.0
102	05	1 292 030.2	6320.9	1 291 736.4	6435.4	91 442.1	6550.0	91 147.1	6664.7
110	10	83 688.8	6082.3	83 403.4	6196.5	83 117.4	6310.9	82 830.8	6425.2
118	15	75 347.1	5850.6	75 070.0	5964.6	74 792.6	6078.6	74 514.4	6192.8
	20	67 005.2	5625.8	66 736.6	5739.5	66 467.6	5853.4	66 197.8	5967.2
	25	58 663.2	5407.9	58 402.9	5521.4	58 142.3	5635.0	57 881.0	5748.7
	30	50 321.0	5197.0	50 069.1	5310.2	49 816.9	5423.6	49 564.1	5537.0
	35	41 978.6	4992.9	41 735.2	5105.9	41 491.3	5219.0	41 246.9	5332.3
	40	33 636.0	4795.8	33 401.0	4908.6	33 165.5	5021.5	32 929.6	5134.5
	45	25 293.3	4605.6	25 066.7	4718.2	24 839.6	4830.9	24 612.1	4943.7
71	50	16 950.5	4422.3	16 732.2	4534.7	16 513.6	4647.2	16 294.5	4759.8
79	55	08 607.4	4245.9	08 397.6	4358.1	1 208 187.4	4470.5	1 207 976.7	4582.8
87									
95	00	1 200 264.2	1 304 076.4	1 200 062.8	1 314 188.5	1 199 861.0	1 324 300.6	1 199 658.7	1 334 412.8
103	05	1 191 920.8	3913.8	1 191 727.8	4025.7	91 534.4	4137.7	91 340.6	4249.8
111	10	83 577.4	3758.2	83 392.8	3869.9	83 207.8	3981.8	83 022.4	4093.6
119	15	75 233.9	3609.5	75 057.6	3721.1	74 881.0	3832.7	74 704.1	3944.4
	20	66 890.3	3467.7	66 722.4	3579.1	66 554.2	3690.6	66 385.7	3802.2
	25	58 546.4	3332.8	58 387.0	3444.0	58 227.2	3555.4	58 067.1	3666.8
	30	50 202.5	3204.9	50 051.5	3316.0	49 900.1	3427.2	49 748.4	3538.5
	35	41 858.5	3083.8	41 715.8	3194.8	41 572.8	3305.8	41 429.6	3417.0
	40	33 514.4	2969.6	33 380.1	3080.5	33 245.5	3191.5	33 110.7	3302.5
	45	25 170.1	2862.4	25 044.2	2973.2	24 918.1	3084.1	24 791.7	3195.0
72	50	16 825.8	2762.2	16 708.4	2872.8	16 590.7	2983.5	16 472.7	3094.3
80	55	08 481.5	2668.8	08 372.4	2779.3	1 108 263.1	2889.9	1 108 153.6	3000.7
88									
96	00	1 100 137.0	1 302 582.3	1 100 036.4	1 312 692.7	1 099 935.5	1 322 803.3	1 099 834.4	1 332 913.9
104	05	1 091 792.4	2502.7	1 091 700.1	2613.1	91 607.7	2723.6	91 515.0	2834.1
112	10	83 447.7	2430.1	83 363.8	2540.4	83 279.8	2650.8	83 195.5	2761.3
120	15	75 103.1	2364.4	75 027.6	2474.6	74 951.9	2585.0	74 876.1	2695.3
	20	66 758.5	2305.7	66 691.3	2415.8	66 624.0	2526.0	66 556.7	2636.3
	25	58 413.8	2253.8	58 355.1	2363.9	58 296.2	2474.0	58 237.2	2584.3
	30	50 069.2	2208.8	50 018.8	2318.8	49 968.4	2428.9	49 917.8	2539.2
	35	41 724.3	2170.7	41 682.3	2280.7	41 640.3	2390.8	41 598.2	2501.0
	40	33 379.5	2139.6	33 345.9	2249.6	33 312.3	2359.6	33 278.5	2469.8
	45	25 034.6	2115.4	25 009.4	2225.3	24 984.2	2335.4	24 958.9	2445.5
73	50	16 689.7	2098.1	16 672.9	2208.0	16 656.1	2318.1	16 639.3	2428.2
81	55	08 344.9	2087.7	08 336.5	2197.7	08 328.1	2307.7	08 319.6	2417.8
89									
97	00	1 000 000.0	1 302 084.3	1 000 000.0	1 312 194.2	1 000 000.0	1 322 304.2	1 000 000.0	1 332 414.3
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 34° 45′.		Lat. 34° 50′.		Lat. 34° 55′.		Lat. 35° 00′	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 302 084.3	1 000 000.0	1 312 194.2	1 000 000.0	1 322 304.2	1 000 000.0	1 332 414.3
105	05	991 655.1	2087.7	991 663.5	2197.7	991 671.9	2307.7	991 680.4	2417.8
113	10	83 310.3	2098.1	83 327.1	2208.0	83 343.9	2318.1	83 360.7	2428.2
121	15	74 965.4	2115.4	74 990.6	2225.3	75 015.8	2335.4	75 041.1	2445.5
	20	66 620.5	2139.6	66 654.1	2249.6	66 687.7	2359.6	66 721.5	2469.8
	25	58 275.7	2170.7	58 317.7	2280.7	58 359.7	2390.8	58 401.8	2501.0
	30	49 930.8	2208.8	49 981.2	2318.8	50 031.6	2428.9	50 082.2	2539.2
	35	41 586.2	2253.8	41 644.9	2363.9	41 703.8	2474.0	41 762.8	2584.3
	40	33 241.5	2305.7	33 308.7	2415.8	33 376.0	2526.0	33 443.3	2636.3
	45	24 896.9	2364.4	24 972.4	2474.6	25 048.1	2585.0	25 123.9	2695.3
74	50	16 552.3	2430.1	16 636.2	2540.4	16 720.2	2650.8	16 804.5	2761.3
82	55	908 207.6	2502.7	908 299.9	2613.1	08 392.3	2723.6	08 485.0	2834.1
90									
98	00	899 863.0	1 302 582.3	899 963.6	1 312 692.7	900 064.5	1 322 803.3	900 165.6	1 332 913.9
106	05	91 518.5	2668.8	91 627.6	2779.3	891 736.9	2889.9	891 846.4	3000.7
114	10	83 174.2	2762.2	83 291.6	2872.8	83 409.3	2983.5	83 527.3	3094.3
122	15	74 829.9	2862.4	74 955.8	2973.2	75 081.9	3084.1	75 208.3	3195.0
	20	66 485.6	2969.6	66 619.9	3080.5	66 754.5	3191.5	66 889.3	3302.5
	25	58 141.5	3083.8	58 284.2	3194.8	58 427.2	3305.8	58 570.4	3417.0
	30	49 797.5	3204.9	49 948.5	3316.0	50 099.9	3427.2	50 251.6	3538.5
	35	41 453.6	3332.8	41 613.0	3444.0	41 772.8	3555.4	41 932.9	3666.8
	40	33 109.7	3467.7	33 277.6	3579.1	33 445.8	3690.6	33 614.3	3802.2
	45	24 766.1	3609.5	24 942.4	3721.1	25 119.0	3832.7	25 295.9	3944.4
75	50	16 422.6	3758.2	16 607.2	3869.9	16 792.2	3981.8	16 977.6	4093.6
83	55	808 079.2	3913.8	808 272.2	4025.7	08 465.6	4137.7	08 659.4	4249.8
91									
99	00	799 735.8	1 304 076.4	799 937.2	1 314 188.5	800 139.0	1 324 300.6	800 341.3	1 334 412.8
107	05	91 392.6	4245.9	91 602.4	4358.1	791 812.6	4470.5	792 023.3	4582.8
115	10	83 049.5	4422.3	83 267.8	4534.7	83 486.4	4647.2	83 705.5	4759.8
123	15	74 706.7	4605.6	74 933.3	4718.2	75 160.4	4830.9	75 387.9	4943.7
	20	66 364.0	4795.8	66 599.0	4908.6	66 834.5	5021.5	67 070.4	5134.5
	25	58 021.4	4992.9	58 264.8	5105.9	58 508.7	5219.0	58 753.1	5332.2
	30	49 679.0	5197.0	49 930.9	5310.2	50 183.1	5423.6	50 435.9	5537.0
	35	41 336.8	5407.9	41 597.1	5521.4	41 857.7	5635.0	42 119.0	5748.7
	40	32 994.8	5625.8	33 263.4	5739.5	33 532.4	5853.4	33 802.2	5967.2
	45	24 652.9	5850.6	24 930.0	5964.6	25 207.4	6078.6	25 485.6	6192.8
76	50	16 311.2	6082.3	16 596.6	6196.5	16 882.6	6310.9	17 169.2	6425.2
84	55	707 969.8	6320.9	708 263.6	6435.4	08 557.9	6550.0	08 852.9	6664.7
92									
100	00	699 628.5	1 306 566.5	699 930.7	1 316 681.2	700 233.4	1 326 796.1	700 536.8	1 336 911.0
108	05	91 287.4	6819.0	91 598.0	6934.0	691 909.1	7049.1	692 221.0	7164.3
116	10	82 946.5	7078.4	83 265.5	7193.7	83 585.1	7309.1	83 905.5	7424.5
124	15	74 605.9	7344.7	74 933.3	7460.3	75 261.3	7575.9	75 590.1	7691.7
	20	66 265.5	7617.9	66 601.3	7733.8	66 937.7	7849.8	67 275.0	7965.8
	25	57 925.3	7898.0	58 269.6	8014.2	58 614.4	8130.5	58 960.1	8246.8
	30	49 585.3	8185.1	49 938.0	8301.6	50 291.3	8418.1	50 645.4	8534.8
	35	41 245.7	8479.1	41 606.6	8595.9	41 968.5	8712.8	42 330.9	8829.7
	40	32 906.2	8779.9	33 275.6	8897.1	33 645.8	9014.3	34 016.7	9131.6
	45	24 567.0	9087.7	24 944.8	9205.2	25 323.5	9322.8	25 702.7	9440.4
77	50	16 227.9	9402.5	16 614.2	9520.3	17 001.2	9638.2	17 389.1	1 339 756.1
85	55	607 889.3	1 309 724.1	608 284.0	1 319 842.3	08 679.5	1 329 960.5	09 075.7	1 340 078.8
93									
101	00	599 550.8	1 310 052.7	599 954.0	1 320 171.2	600 357.9	1 330 289.8	600 762.5	1 340 408.4
109	05	91 212.7	0388.1	91 624.2	0507.1	592 036.5	0626.0	592 449.6	0745.0
117	10	82 874.9	0730.5	83 294.7	0849.8	83 715.5	0969.2	84 137.1	1088.5
125	15	74 537.3	1079.8	74 965.6	1199.5	75 394.7	1319.1	75 824.8	1438.9
	20	66 200.0	1436.1	66 636.7	1556.1	67 074.2	1676.2	67 512.8	1796.3
	25	57 863.0	1799.2	58 308.1	1919.7	58 754.1	2040.1	59 201.1	2160.6
	30	549 526.3	1 312 169.3	549 979.9	1 322 290.1	550 434.3	1 332 411.0	550 889.8	1 342 531.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 00′.		Lat. 35° 05′.		Lat. 35° 10′.		Lat. 35° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 449 110.2	1 342 531.9	1 448 653.8	1 352 652.9	1 448 196.4	1 362 773.9	1 447 738.1	1 372 895.1
100	35	40 798.9	2160.6	40 350.9	2281.2	39 902.0	2401.8	39 452.1	2522.6
108	40	32 487.2	1796.3	32 047.7	1916.5	31 607.3	2036.8	31 165.9	2157.2
116	45	24 175.2	1438.9	23 744.1	1558.8	23 312.2	1678.6	22 879.4	1798.6
69	50	15 862.9	1088.5	15 440.3	1208.0	15 016.9	1327.5	14 592.6	1447.1
77	55	1 407 550.4	0745.0	1 407 136.2	0864.0	1 406 721.3	0983.3	1 406 305.4	1102.6
85									
93	00	1 399 237.5	1 340 408.4	1 398 831.8	1 350 527.2	1 398 425.4	1 360 646.0	1 398 018.1	1 370 764.9
101	05	90 924.3	1 340 078.8	90 527.1	1 350 197.2	90 129.2	1 360 315.7	89 730.4	0434.3
109	10	82 610.9	1 339 756.1	82 222.2	1 349 874.2	81 832.7	1 359 992.3	81 442.3	1 370 110.6
117	15	74 297.3	9440.4	73 917.0	9558.1	73 535.9	9675.9	73 154.1	1 369 793.8
	20	65 983.3	9131.6	65 611.5	9249.0	65 238.9	9366.5	64 865.6	9484.1
	25	57 669.1	8829.7	57 305.7	8946.8	56 941.7	9064.0	56 576.7	9181.3
	30	49 354.6	8534.8	48 999.8	8651.6	48 644.1	8768.4	48 287.8	8885.4
	35	41 039.9	8246.8	40 693.6	8363.3	40 346.4	8479.8	39 998.6	8596.5
	40	32 725.0	7965.8	32 387.2	8081.9	32 048.5	8198.1	31 709.1	8314.5
	45	24 409.9	7691.7	24 080.5	7807.6	23 750.3	7923.5	23 419.4	8039.6
70	50	16 094.5	7424.5	15 773.5	7540.1	15 451.8	7655.7	15 129.4	7771.6
78	55	1 307 779.0	7164.3	1 307 466.3	7279.6	1 307 153.1	7395.0	1 306 839.2	7510.5
86									
94	00	1 299 463.2	1 336 911.0	1 299 159.0	1 347 026.0	1 298 854.3	1 357 141.0	1 298 548.8	1 367 256.5
102	05	91 147.1	6664.7	90 851.4	6779.4	90 555.2	6894.3	90 258.2	7009.3
110	10	82 830.8	6425.2	82 543.6	6539.8	82 255.8	6654.4	81 967.4	6769.2
118	15	74 514.4	6192.8	74 235.7	6307.1	73 956.3	6421.4	73 676.4	6535.9
	20	66 197.8	5967.2	65 927.5	6081.2	65 656.6	6195.4	65 385.3	6309.8
	25	57 881.0	5748.7	57 619.2	5862.5	57 356.8	5976.4	57 093.8	6090.4
	30	49 564.1	5537.0	49 310.7	5650.6	49 056.8	5674.3	48 802.2	5878.2
	35	41 246.9	5332.3	41 002.0	5445.7	40 756.5	5559.2	40 510.5	5672.8
	40	32 929.6	5134.5	32 693.1	5247.7	32 456.1	5361.0	32 218.6	5474.4
	45	24 612.1	4943.7	24 384.0	5056.7	24 155.5	5169.7	23 926.5	5283.0
71	50	16 294.5	4759.8	16 074.8	4872.6	15 854.8	4985.4	15 634.2	5098.5
79	55	1 207 976.7	4582.8	1 207 765.5	4695.4	1 207 554.0	4808.1	1 207 341.9	4921.0
87									
95	00	1 199 658.7	1 334 412.8	1 199 456.0	1 344 525.3	1 199 253.0	1 354 637.8	1 199 049.4	1 364 750.5
103	05	91 340.6	4249.8	91 146.4	4362.0	90 951.8	4474.3	90 756.6	4586.8
111	10	83 022.4	4093.6	82 836.7	4205.6	82 650.5	4317.9	82 463.9	4430.2
119	15	74 704.1	3944.4	74 526.7	4056.4	74 349.0	4168.4	74 170.9	4280.5
	20	66 385.7	3802.2	66 216.8	3913.9	66 047.5	4025.8	65 877.9	4137.8
	25	58 067.1	3666.8	57 906.6	3778.4	57 745.8	3890.2	57 584.6	4002.1
	30	49 748.4	3538.5	49 596.4	3650.0	49 444.1	3761.5	49 291.4	3873.3
	35	41 429.6	3417.0	41 286.0	3528.4	41 142.2	3639.9	40 998.1	3751.5
	40	33 110.7	3302.5	32 975.6	3413.8	32 840.2	3525.1	32 704.5	3636.6
	45	24 791.7	3195.0	24 665.1	3306.2	24 538.1	3417.3	24 410.9	3528.7
72	50	16 472.7	3094.3	16 354.5	3205.4	16 236.0	3316.5	16 117.3	3427.8
80	55	1 108 153.6	3000.7	1 108 043.8	3111.6	1 107 933.8	3222.6	1 107 823.6	3333.8
88									
96	00	1 099 834.4	1 332 913.9	1 099 733.1	1 343 024.8	1 099 631.5	1 353 135.7	1 099 529.7	1 363 246.8
104	05	91 515.0	2834.1	91 422.1	2944.9	91 329.0	3055.7	91 235.8	3166.7
112	10	83 195.5	2761.3	83 111.1	2871.9	83 026.5	2982.7	82 941.7	3093.6
120	15	74 876.1	2695.3	74 800.1	2805.9	74 723.9	2916.6	74 647.6	3027.5
	20	66 556.7	2636.3	66 489.1	2746.8	66 421.4	2857.5	66 353.6	2968.4
	25	58 237.2	2584.3	58 178.1	2694.8	58 118.9	2805.3	58 059.6	2916.1
	30	49 917.8	2539.2	49 867.1	2649.7	49 816.4	2760.2	49 765.5	2870.9
	35	41 598.2	2501.0	41 555.9	2611.4	41 513.7	2721.9	41 471.2	2832.6
	40	33 278.5	2469.8	33 244.7	2580.2	33 210.9	2690.6	33 177.0	2801.2
	45	24 958.9	2445.5	24 933.6	2555.9	24 908.2	2666.3	24 882.8	2776.9
73	50	16 639.3	2428.2	16 622.4	2538.5	16 605.5	2648.9	16 588.5	2759.5
81	55	08 319.6	2417.8	08 311.2	2528.1	08 302.7	2638.5	08 294.2	2749.1
89									
97	00	1 000 000.0	1 332 414.3	1 000 000.0	1 342 524.6	1 000 000.0	1 352 635.0	1 000 000.0	1 362 745.6
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 00′.		Lat. 35° 05′.		Lat. 35° 10′.		Lat. 35° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000. 0	1 332 414. 3	1 000 000. 0	1 342 524. 6	1 000 000. 0	1 352 635. 0	1 000 000. 0	1 362 745. 6
105	05	991 680. 4	2417. 8	991 688. 8	2528. 1	991 697. 3	2638. 5	991 705. 8	2749. 1
113	10	83 360. 7	2428. 2	83 377. 6	2538. 5	83 394. 5	2648. 9	83 411. 5	2759. 5
121	15	75 041. 1	2445. 5	75 066. 4	2555. 9	75 091. 8	2666. 3	75 117. 2	2776. 9
	20	66 721. 5	2469. 8	66 755. 3	2580. 2	66 789. 1	2690. 6	66 823. 0	2801. 2
	25	58 401. 8	2501. 0	58 444. 1	2611. 4	58 486. 3	2721. 9	58 528. 8	2832. 6
	30	50 082. 2	2539. 2	50 132. 9	2649. 7	50 183. 6	2760. 2	50 234. 5	2870. 9
	35	41 762. 8	2584. 3	41 821. 9	2694. 8	41 881. 1	2805. 3	41 940. 4	2916. 1
	40	33 443. 3	2636. 3	33 510. 9	2746. 8	33 578. 6	2857. 5	33 646. 4	2968. 4
	45	25 123. 9	2695. 3	25 199. 9	2805. 9	25 276. 1	2916. 6	25 352. 4	3027. 5
74	50	16 804. 5	2761. 3	16 888. 9	2871. 9	16 973. 5	2982. 7	17 058. 3	3093. 6
82	55	08 485. 0	2834. 1	08 577. 9	2944. 9	08 671. 0	3055. 7	08 764. 2	3166. 7
90									
98	00	900 165. 6	1 332 913. 9	900 266. 9	1 343 024. 8	900 368. 5	1 353 135. 7	900 470. 3	1 363 246. 8
106	05	891 846. 4	3000. 7	891 956. 2	3111. 6	892 066. 2	3222. 6	892 176. 4	3333. 8
114	10	83 527. 3	3094. 3	83 645. 5	3205. 4	83 764. 0	3316. 5	83 882. 7	3427. 8
122	15	75 208. 3	3195. 0	75 334. 9	3306. 2	75 461. 9	3417. 3	75 589. 1	3528. 7
	20	66 889. 3	3302. 5	67 024. 4	3413. 8	67 159. 8	3525. 1	67 295. 5	3636. 6
	25	58 570. 4	3417. 0	58 714. 0	3528. 4	58 857. 8	3639. 9	59 001. 9	3751. 5
	30	50 251. 6	3538. 5	50 403. 6	3650. 0	50 555. 9	3761. 5	50 708. 6	3873. 3
	35	41 932. 9	3666. 8	42 093. 4	3778. 4	42 254. 2	3890. 2	42 415. 4	4002. 1
	40	33 614. 3	3802. 2	33 783. 2	3913. 9	33 952. 5	4025. 8	34 122. 1	4137. 8
	45	25 295. 9	3944. 4	25 473. 3	4056. 4	25 651. 0	4168. 4	25 829. 1	4280. 5
75	50	16 977. 6	4093. 6	17 163. 3	4205. 6	17 349. 5	4317. 9	17 536. 1	4430. 2
83	55	08 659. 4	4249. 8	08 853. 6	4362. 0	09 048. 2	4474. 3	09 243. 4	4586. 8
91									
99	00	800 341. 3	1 334 412. 8	800 544. 0	1 344 525. 3	800 747. 0	1 354 637. 8	800 950. 6	1 364 750. 5
107	05	792 023. 3	4582. 8	792 234. 5	4695. 4	792 446. 0	4808. 1	792 658. 1	4921. 0
115	10	83 705. 5	4759. 8	83 925. 2	4872. 6	84 145. 2	4985. 4	84 365. 8	5998. 5
123	15	75 387. 9	4943. 7	75 616. 0	5056. 7	75 844. 5	5169. 7	76 073. 5	5283. 0
	20	67 070. 4	5134. 5	67 306. 9	5247. 7	67 543. 9	5361. 0	67 781. 4	5474. 4
	25	58 753. 1	5332. 2	58 998. 0	5445. 7	59 243. 5	5559. 2	59 489. 5	5672. 8
	30	50 435. 9	5537. 0	50 689. 3	5650. 6	50 943. 2	5764. 3	51 197. 8	5878. 2
	35	42 119. 0	5748. 7	42 380. 8	5862. 5	42 643. 2	5976. 4	42 906. 2	6090. 4
	40	33 802. 2	5967. 2	34 072. 5	6081. 2	34 343. 4	6195. 4	34 614. 7	6309. 8
	45	25 485. 6	6192. 8	25 764. 3	6307. 1	26 043. 6	6421. 4	26 323. 6	6535. 9
76	50	17 169. 2	6425. 2	17 456. 4	6539. 8	17 744. 2	6654. 4	18 032. 6	6769. 2
84	55	08 852. 9	6664. 7	09 148. 6	6779. 4	09 444. 8	6894. 3	09 741. 8	7009. 3
92									
100	00	700 536. 8	1 336 911. 0	700 841. 0	1 347 026. 0	701 145. 6	1 357 141. 0	701 451. 2	1 367 256. 5
108	05	692 221. 0	7164. 3	692 533. 7	7279. 6	692 846. 9	7395. 0	693 160. 8	7510. 5
116	10	83 905. 5	7424. 5	84 226. 5	7540. 1	84 548. 2	7655. 7	84 870. 6	7771. 6
124	15	75 590. 1	7691. 7	75 919. 5	7807. 6	76 249. 7	7923. 5	76 580. 6	8039. 6
	20	67 275. 0	7965. 8	67 612. 8	8081. 9	67 951. 5	8198. 1	68 290. 9	8314. 5
	25	58 960. 1	8246. 8	59 306. 4	8363. 3	59 653. 6	8479. 8	60 001. 4	8596. 5
	30	50 645. 4	8534. 8	51 000. 2	8651. 6	51 355. 9	8768. 4	51 712. 2	8885. 4
	35	42 330. 9	8829. 7	42 694. 3	8946. 8	43 058. 3	9064. 0	43 423. 3	9181. 3
	40	34 016. 7	9131. 6	34 388. 5	9249. 0	34 761. 1	9366. 5	35 134. 4	9484. 1
	45	25 702. 7	9440. 4	26 083. 0	9558. 1	26 464. 1	9675. 9	26 845. 9	1 369 793. 8
77	50	17 389. 1	1 339 756. 1	17 777. 8	1 349 874. 2	18 167. 3	1 359 992. 3	18 557. 7	1 370 110. 6
85	55	09 075. 7	1 340 078. 8	09 472. 9	1 350 197. 2	09 870. 8	1 360 315. 7	10 269. 6	0434. 3
93									
101	00	600 762. 5	1 340 408. 4	601 168. 2	1 350 527. 2	601 574. 6	1 360 646. 0	601 981. 9	1 370 764. 9
109	05	592 449. 6	0745. 0	592 863. 8	0864. 0	593 278. 7	0983. 3	593 694. 6	1102. 6
117	10	84 137. 1	1088. 5	84 559. 7	1208. 0	84 983. 1	1327. 5	85 407. 4	1447. 1
125	15	75 824. 8	1438. 9	76 255. 9	1558. 8	76 687. 8	1678. 6	77 120. 6	1798. 6
	20	67 512. 8	1796. 3	67 952. 3	1916. 5	68 392. 7	2036. 8	68 834. 1	2157. 2
	25	59 201. 1	2160. 6	59 649. 1	2281. 2	60 098. 0	2401. 8	60 547. 9	2522. 6
	30	550 889. 8	1 342 531. 9	551 346. 2	1 352 652. 9	551 803. 6	1 362 773. 9	552 261. 9	1 372 895. 1

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 35° 15′.		Lat. 35° 20′.		Lat. 35° 25′.		Lat. 35° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 447 738.1	1 372 895.1	1 447 278.8	1 383 016.2	1 446 818.6	1 393 137.5	1 446 357.6	1 403 258.8
100 35	39 452.1	2522.6	39 001.4	2643.4	38 549.8	2764.3	38 097.2	2885.2
108 40	31 165.9	2157.2	30 723.7	2277.5	30 280.6	2398.0	29 836.6	2518.6
116 45	22 879.4	1798.6	22 445.7	1918.7	22 011.1	2038.8	21 575.7	2159.0
69 50	14 592.6	1447.1	14 167.4	1566.8	13 741.4	1686.6	13 314.6	1806.4
77 55	1 406 305.4	1102.6	1 405 888.8	1221.9	1 405 471.4	1341.3	1 405 053.1	1460.8
85								
93 00	1 398 018.1	1 370 764.9	1 397 609.9	1 380 883.9	1 397 201.0	1 391 002.9	1 396 791.2	1 401 122.1
101 05	89 730.4	0434.3	89 330.7	0552.9	88 930.2	0671.6	88 529.0	0790.4
109 10	81 442.3	1 370 110.6	81 051.2	1 380 228.9	80 659.4	0347.3	80 266.6	0465.8
117 15	73 154.1	1 369 793.8	72 771.5	1 379 911.8	72 388.2	1 390 029.9	72 004.0	1 400 148.1
20	64 865.6	9484.1	64 491.5	9601.7	64 116.8	1 389 719.5	63 741.1	1 399 837.3
25	56 576.7	9181.3	56 211.2	9298.6	55 845.1	9416.0	55 478.0	9533.6
30	48 287.8	8885.4	47 930.7	9002.4	47 573.0	9119.6	47 214.6	9236.8
35	39 998.6	8596.5	39 650.1	8713.3	39 300.8	8830.1	38 950.9	8947.0
40	31 709.1	8314.5	31 369.1	8431.0	31 028.4	8547.6	30 686.9	8664.3
45	23 419.4	8039.6	23 087.9	8155.8	22 755.8	8272.1	22 422.8	8388.4
70 50	15 129.4	7771.6	14 806.4	7887.5	14 482.8	8003.5	14 158.5	8119.7
78 55	1 306 839.2	7510.5	1 306 524.7	7626.1	1 306 209.6	7741.9	1 305 893.9	7857.8
86								
94 00	1 298 548.8	1 367 256.5	1 298 242.8	1 377 371.8	1 297 936.3	1 387 487.3	1 297 629.1	1 397 602.9
102 05	90 258.2	7009.3	89 960.7	7124.4	89 662.7	7239.7	89 364.1	7355.0
110 10	81 967.4	6769.2	81 678.4	6884.0	81 388.9	6999.0	81 098.8	7114.1
118 15	73 676.4	6535.9	73 395.9	6650.6	73 114.9	6765.4	72 833.3	6880.2
20	65 385.3	6309.8	65 113.3	6424.1	64 840.8	6538.6	64 567.7	6653.3
25	57 093.8	6090.4	56 830.4	6204.6	56 566.5	6318.9	56 301.9	6433.3
30	48 802.2	5878.2	48 547.3	5992.1	48 292.0	6106.2	48 035.9	6220.4
35	40 510.5	5672.8	40 264.1	5786.5	40 017.2	5900.4	39 769.8	6014.4
40	32 218.6	5474.4	31 980.7	5587.9	31 742.2	5701.6	31 503.4	5815.4
45	23 926.5	5283.0	23 697.1	5396.2	23 467.2	5509.7	23 236.8	5623.3
71 50	15 634.2	5098.5	15 413.3	5211.6	15 192.0	5324.9	14 970.1	5438.3
79 55	1 207 341.9	4921.0	1 207 129.4	5033.9	1 206 916.7	5147.0	1 206 703.3	5260.2
87								
95 00	1 199 049.4	1 364 750.5	1 198 845.5	1 374 863.2	1 198 641.2	1 384 976.1	1 198 436.3	1 395 089.2
103 05	90 756.6	4586.8	90 561.2	4699.4	90 365.5	4812.2	90 169.1	4925.1
111 10	82 463.9	4430.2	82 277.0	4542.7	82 089.8	4655.2	81 901.9	4768.0
119 15	74 170.9	4280.5	73 992.5	4392.8	73 813.8	4505.3	73 634.4	4617.8
20	65 877.9	4137.8	65 708.0	4250.0	65 537.8	4362.3	65 367.0	4474.7
25	57 584.6	4002.1	57 423.2	4114.1	57 261.6	4226.2	57 099.4	4338.5
30	49 291.4	3873.3	49 138.5	3985.2	48 985.3	4097.2	48 831.7	4209.4
35	40 998.1	3751.5	40 853.6	3863.2	40 708.8	3975.1	40 563.8	4087.2
40	32 704.5	3636.6	32 568.6	3748.3	32 432.4	3860.1	32 295.9	3972.0
45	24 410.9	3528.7	24 283.5	3640.2	24 155.8	3752.0	24 027.8	3863.7
72 50	16 117.3	3427.8	15 998.4	3539.2	15 879.2	3650.8	15 759.7	3762.5
80 55	1 107 823.6	3333.8	1 107 713.1	3445.1	1 107 602.4	3556.6	1 107 491.5	3668.2
88								
96 00	1 099 529.7	1 363 246.8	1 099 427.8	1 373 358.0	1 099 325.5	1 383 469.4	1 099 223.3	1 393 580.9
104 05	91 235.8	3166.7	91 142.2	3277.9	91 048.5	3389.2	90 954.9	3500.6
112 10	82 941.7	3093.6	82 856.7	3204.7	82 771.5	3316.0	82 686.4	3427.3
120 15	74 647.6	3027.5	74 571.2	3138.5	74 494.5	3249.7	74 417.8	3361.0
20	66 353.6	2968.4	66 285.6	3079.3	66 217.5	3190.4	66 149.3	3301.6
25	58 059.6	2916.1	58 000.0	3027.0	57 940.5	3138.1	57 880.8	3249.3
30	49 765.5	2870.9	49 714.5	2981.7	49 663.5	3092.7	49 612.3	3203.9
35	41 471.2	2832.6	41 428.8	2943.4	41 386.2	3054.2	41 343.6	3165.5
40	33 177.0	2801.2	33 143.0	2912.0	33 109.0	3023.0	33 074.9	3134.1
45	24 882.8	2776.9	24 857.2	2887.6	24 831.8	2998.6	24 806.1	3109.6
73 50	16 588.5	2759.5	16 571.5	2870.2	16 554.5	2981.1	16 537.4	3092.2
81 55	08 294.2	2749.1	08 285.8	2859.8	08 277.2	2970.7	08 268.7	3081.7
89								
97 00	1 000 000.0	1 362 745.6	1 000 000.0	1 372 856.3	1 000 000.0	1 382 967.2	1 000 000.0	1 393 078.2
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 15′.		Lat. 35° 20′.		Lat. 35° 25′.		Lat. 35° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000. 0	1 362 745. 6	1 000 000. 0	1 372 856. 3	1 000 000. 0	1 382 967. 2	1 000 000. 0	1 393 078. 2
105	05	991 705. 8	2749. 1	991 714. 2	2859. 8	991 722. 8	2970. 7	991 731. 3	3081. 7
113	10	83 411. 5	2759. 5	83 428. 5	2870. 2	83 445. 5	2981. 1	83 462. 6	3092. 2
121	15	75 117. 2	2776. 9	75 142. 8	2887. 6	75 168. 2	2998. 6	75 193. 9	3109. 6
	20	66 823. 0	2801. 2	66 857. 0	2912. 0	66 891. 0	3023. 0	66 925. 1	3134. 1
	25	58 528. 8	2832. 6	58 571. 2	2943. 4	58 613. 8	3054. 2	58 656. 4	3165. 5
	30	50 234. 5	2870. 9	50 285. 5	2981. 7	50 336. 5	3092. 7	50 387. 7	3203. 9
	35	41 940. 4	2916. 1	42 000. 0	3027. 0	42 059. 5	3138. 1	42 119. 2	3249. 3
	40	33 646. 4	2968. 4	33 714. 4	3079. 3	33 782. 5	3190. 4	33 850. 7	3301. 6
	45	25 352. 4	3027. 5	25 428. 8	3138. 5	25 505. 5	3249. 7	25 582. 2	3361. 0
74	50	17 058. 3	3093. 6	17 143. 3	3204. 7	17 228. 5	3316. 0	17 313. 6	3427. 3
82	55	08 764. 2	3166. 7	08 857. 8	3277. 9	08 951. 5	3389. 2	09 045. 1	3500. 6
90									
98	00	900 470. 3	1 363 246. 8	900 572. 2	1 373 358. 0	900 674. 5	1 383 469. 4	900 776. 7	1 393 580. 9
106	05	892 176. 4	3333. 8	892 286. 9	3445. 1	892 397. 6	3556. 6	892 508. 5	3668. 2
114	10	83 882. 7	3427. 8	84 001. 6	3539. 2	84 120. 8	3650. 8	84 240. 3	3762. 5
122	15	75 589. 1	3528. 7	75 716. 5	3640. 2	75 844. 2	3752. 0	75 972. 2	3863. 7
	20	67 295. 5	3636. 6	67 431. 4	3748. 3	67 567. 6	3860. 1	67 704. 1	3972. 0
	25	59 001. 9	3751. 5	59 146. 4	3863. 2	59 291. 2	3975. 1	59 436. 2	4087. 2
	30	50 708. 6	3873. 3	50 861. 5	3985. 2	51 014. 7	4097. 2	51 168. 3	4209. 4
	35	42 415. 4	400. 21	42 576. 8	4114. 1	42 738. 4	4226. 2	42 900. 6	4338. 5
	40	34 122. 1	4137. 8	34 292. 0	4250. 0	34 462. 2	4362. 3	34 633. 0	4474. 7
	45	25 829. 1	4280. 5	26 007. 5	4392. 8	26 186. 2	4505. 3	26 365. 6	4617. 8
75	50	17 536. 1	4430. 2	17 723. 0	4542. 7	17 910. 2	4655. 2	18 098. 1	4768. 0
83	55	09 243. 4	4586. 8	09 438. 8	4699. 4	09 634. 5	4812. 2	09 830. 9	4925. 1
91									
99	00	800 950. 6	1 364 750. 5	801 154. 5	1 374 863. 2	801 358. 8	1 384 976. 1	801 563. 7	1 395 089. 2
107	05	792 658. 1	4921. 0	792 870. 6	5033. 9	793 083. 3	5147. 0	793 296. 7	5260. 2
115	10	84 365. 8	5098. 5	84 586. 7	5211. 6	84 808. 0	5324. 9	85 029. 9	5438. 3
123	15	76 073. 5	5283. 0	76 302. 9	5396. 2	76 532. 8	5509. 7	76 763. 2	5623. 3
	20	67 781. 4	5474. 4	68 019. 3	5587. 9	68 257. 8	5701. 6	68 496. 6	5815. 4
	25	59 489. 5	5672. 8	59 735. 9	5786. 5	59 982. 8	5900. 4	60 230. 2	6014. 4
	30	51 197. 8	5878. 2	51 452. 7	5992. 1	51 708. 0	6106. 2	51 964. 1	6220. 4
	35	42 906. 2	6090. 4	43 169. 6	6204. 6	43 433. 5	6318. 9	43 698. 1	6433. 3
	40	34 614. 7	6309. 8	34 886. 7	6424. 1	35 159. 2	6538. 6	35 432. 3	6653. 3
	45	26 323. 6	6535. 9	26 604. 1	6650. 6	26 885. 1	6765. 4	27 166. 7	6880. 2
76	50	18 032. 6	6769. 2	18 321. 6	6884. 0	18 611. 1	6999. 0	18 901. 2	7114. 1
84	55	09 741. 8	7009. 3	10 039. 3	7124. 4	10 337. 3	7239. 7	10 635. 9	7355. 0
92									
100	00	701 451. 2	1 367 256. 5	701 757. 2	1 377 371. 8	702 063. 7	1 387 487. 3	702 370. 9	1 397 602. 9
108	05	693 160. 8	7510. 5	693 475. 3	7626. 1	693 790. 4	7741. 9	694 106. 1	7857. 8
116	10	84 870. 6	7771. 6	85 193. 6	7887. 5	85 517. 2	8003. 5	85 841. 5	8119. 7
124	15	76 580. 6	8039. 6	76 912. 1	8155. 8	77 244. 2	8272. 1	77 577. 2	8388. 4
	20	68 290. 9	8314. 5	68 630. 9	8431. 0	68 971. 6	8547. 6	69 313. 1	8664. 3
	25	60 001. 4	8596. 5	60 349. 9	8713. 3	60 699. 2	8830. 1	61 049. 1	8947. 0
	30	51 712. 2	8885. 4	52 069. 3	9002. 4	52 427. 0	9119. 6	52 785. 4	9236. 8
	35	43 423. 3	9181. 3	43 788. 8	9298. 6	44 154. 9	9416. 0	44 522. 0	9533. 6
	40	35 134. 4	9484. 1	35 508. 5	9601. 7	32 883. 2	1 389 719. 5	36 258. 9	1 399 837. 3
	45	26 845. 9	1 369 793. 8	27 228. 5	1 379 911. 8	27 611. 8	1 390 029. 9	27 996. 0	1 400 148. 1
77	50	18 557. 7	1 370 110. 6	18 948. 8	1 380 228. 9	19 340. 6	0347. 3	19 733. 4	0465. 8
85	55	10 269. 6	0434. 3	10 669. 3	0552. 9	11 069. 8	0671. 6	11 471. 0	0790. 4
93									
101	00	601 981. 9	1 370 764. 9	602 390. 1	1 380 883. 9	602 799. 0	1 391 002. 9	603 208. 8	1 401 122. 1
109	05	593 694. 6	1102. 6	594 111. 2	1221. 9	594 528. 6	1341. 3	594 946. 9	1460. 8
117	10	85 407. 4	1447. 1	85 832. 6	1566. 8	86 258. 6	1686. 6	86 685. 4	1806. 4
125	15	77 120. 6	1798. 6	77 554. 3	1918. 7	77 988. 9	2038. 8	78 424. 3	2159. 0
	20	68 834. 1	2157. 2	69 276. 3	2277. 5	69 719. 4	2398. 0	70 163. 4	2518. 6
	25	60 547. 9	2522. 6	60 998. 6	2643. 4	61 450. 2	2764. 3	61 902. 8	2885. 2
	30	552 261. 9	1 372 895. 1	552 721. 2	1 383 016. 2	553 181. 4	1 393 137. 5	553 642. 4	1 403 258. 8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 30′.		Lat. 35° 35′.		Lat. 35° 40′.		Lat 35° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 446 357.6	1 403 258.8	1 445 895.4	1 413 380.1	1 445 432.3	1 423 501.5	1 444 968.3	1 433 623.0
100	35	38 097.2	2885.2	37 643.6	3006.1	37 189.2	3127.1	36 733.7	3248.3
108	40	29 836.6	2518.6	29 391.6	2639.1	28 945.7	2759.8	28 499.0	2880.7
116	45	21 575.7	2159.0	21 139.3	2279.2	20 702.0	2399.5	20 263.8	2519.9
69	50	13 314.6	1806.4	12 886.7	1926.3	12 458.0	2046.2	12 028.4	2166.3
77	55	1 405 053.1	1460.8	1 404 633.7	1580.2	1 404 213.5	1699.9	1 403 792.5	1819.7
85									
93	00	1 396 791.2	1 401 122.1	1 396 380.4	1 411 241.3	1 395 968.9	1 421 360.5	1 395 556.5	1 431 479.9
101	05	88 529.0	0790.4	88 126.9	0909.3	87 724.0	1028.2	87 320.2	1147.3
109	10	80 266.6	0465.8	79 873.1	0584.2	79 478.8	0702.9	79 083.7	0821.7
117	15	72 004.0	1 400 148.1	71 619.1	1 410 266.2	71 233.4	1 420 384.5	70 846.8	0503.0
	20	63 741.1	1 399 837.3	63 364.7	1 409 955.1	62 987.5	1 420 073.2	62 609.6	1 430 191.4
	25	55 478.0	9533.6	55 110.1	9651.1	54 741.5	1 419 768.8	54 372.2	1 429 886.7
	30	47 214.6	9236.8	46 855.3	9354.1	46 495.2	9471.5	46 134.5	9589.1
	35	38 950.9	8947.0	38 600.2	9064.0	38 248.7	9181.2	37 896.6	9298.5
	40	30 686.9	8664.3	30 344.8	8780.9	30 001.9	8897.8	29 658.3	9014.8
	45	22 422.8	8388.4	22 089.3	8504.8	21 754.9	8621.4	21 420.0	8738.2
70	50	14 158.5	8119.7	13 833.5	8235.8	13 507.7	8352.0	13 181.3	8468.5
78	55	1 305 893.9	7857.8	1 305 577.4	7973.7	1 305 260.2	8089.7	1 304 942.5	8205.9
86									
94	00	1 297 629.1	1 397 602.9	1 297 321.2	1 407 718.5	1 297 012.5	1 417 834.3	1 296 703.3	1 427 950.3
102	05	89 364.1	7355.0	89 064.7	7470.3	88 764.7	7585.9	88 464.1	7701.7
110	10	81 098.8	7114.1	80 808.0	7229.3	80 516.6	7344.6	80 224.6	7460.1
118	15	72 833.3	6880.2	72 551.0	6995.1	72 268.3	7110.2	71 984.9	7225.5
	20	64 567.7	6653.3	64 294.0	6768.0	64 019.8	6882.8	63 745.0	6997.8
	25	56 301.9	6433.3	56 036.7	6547.7	55 771.1	6662.4	55 504.9	6777.2
	30	48 035.9	6220.4	47 779.3	6334.6	47 522.3	6449.0	47 264.6	6563.7
	35	39 769.8	6014.4	39 521.7	6128.4	39 273.2	6242.6	39 024.2	6357.0
	40	31 503.4	5815.4	31 263.9	5929.2	31 023.9	6043.2	30 783.5	6157.4
	45	23 236.8	5623.3	23 005.9	5737.0	22 774.6	5850.8	22 542.8	5964.8
71	50	14 970.1	5438.3	14 747.8	5551.7	14 525.0	5665.4	14 301.8	5779.2
79	55	1 206 703.3	5260.2	1 206 489.5	5373.5	1 206 275.3	5487.0	1 206 060.7	5600.7
87									
95	00	1 198 436.3	1 395 089.2	1 198 231.1	1 405 202.3	1 198 025.5	1 415 315.6	1 197 819.4	1 425 429.0
103	05	90 169.1	4925.1	89 972.4	5038.1	89 775.6	5151.2	89 578.0	5264.5
111	10	81 901.9	4768.0	81 713.8	4880.7	81 525.3	4993.8	81 336.5	5106.9
119	15	73 634.4	4617.8	73 455.0	4730.5	73 275.0	4843.3	73 094.7	4956.3
	20	65 367.0	4474.7	65 196.1	4587.2	65 024.7	4699.9	64 853.0	4812.7
	25	57 099.4	4338.5	56 937.0	4450.9	56 774.1	4563.5	56 611.1	4676.2
	30	48 831.7	4209.4	48 677.8	4321.6	48 523.5	4434.0	48 369.1	4546.7
	35	40 563.8	4087.2	40 418.5	4199.3	40 272.8	4311.6	40 126.9	4424.1
	40	32 295.9	3972.0	32 159.2	4083.9	32 022.1	4196.1	31 884.7	4308.5
	45	24 027.8	3863.7	23 899.6	3975.6	23 771.1	4087.7	23 642.3	4200.0
72	50	15 759.7	3762.5	15 640.0	3874.3	15 520.1	3986.2	15 399.9	4098.4
80	55	1 107 491.5	3668.2	1 107 380.3	3779.9	1 107 269.0	3891.8	1 107 157.4	4003.9
88									
96	00	1 099 223.3	1 393 580.9	1 099 120.6	1 403 692.5	1 099 017.8	1 413 804.3	1 098 914.9	1 423 916.3
104	05	90 954.9	3500.6	90 860.6	3612.1	90 766.4	3723.8	90 672.1	3835.7
112	10	82 686.4	3427.3	82 600.7	3538.7	82 515.1	3650.4	82 429.2	3762.3
120	15	74 417.8	3361.0	74 340.8	3472.3	74 263.7	3584.0	74 186.4	3695.8
	20	66 149.3	3301.6	66 080.9	3412.9	66 012.3	3524.5	65 943.7	3636.2
	25	57 880.8	3249.3	57 821.0	3360.6	57 761.0	3472.0	57 700.9	3583.7
	30	49 612.3	3203.9	49 561.0	3315.1	49 509.6	3426.5	49 458.1	3538.2
	35	41 343.6	3165.5	41 300.8	3276.7	41 258.0	3388.1	41 215.1	3499.7
	40	33 074.9	3134.1	33 040.7	3245.1	33 006.4	3356.6	32 972.1	3468.1
	45	24 806.1	3109.6	24 780.5	3220.7	24 754.8	3332.1	24 729.0	3443.6
73	50	16 537.4	3092.2	16 520.3	3203.3	16 503.2	3314.6	16 486.0	3426.1
81	55	08 268.7	3081.7	08 260.2	3192.8	08 251.6	3304.1	08 243.0	3415.6
89									
97	00	1 000 000.0	1 393 078.2	1 000 000.0	1 403 189.3	1 000 000.0	1 413 300.6	1 000 000.0	1 423 412.1
105									
113									
121									
	′								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 30′.		Lat. 35° 35′.		Lat. 35° 40′.		Lat. 35° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 393 078.2	1 000 000.0	1 403 189.3	1 000 000.0	1 413 300.6	1 000 000.0	1 423 412.1
105	05	991 731.3	3081.7	991 739.8	3192.8	991 748.4	3304.1	991 757.0	3415.6
113	10	83 462.6	3092.2	83 479.7	3203.3	83 496.8	3314.6	83 514.0	3426.1
121	15	75 193.9	3109.6	75 219.5	3220.7	75 245.2	3332.1	75 271.0	3443.6
	20	66 925.1	3134.1	66 959.3	3245.1	66 993.6	3356.6	67 027.9	3468.1
	25	58 656.4	3165.5	58 699.2	3276.7	58 742.0	3388.1	58 784.9	3499.7
	30	50 387.7	3203.9	50 439.0	3315.1	50 490.4	3426.5	50 541.9	3538.2
	35	42 119.2	3249.3	42 179.0	3360.6	42 239.0	3472.0	42 299.1	3583.7
	40	33 850.7	3301.6	33 919.1	3412.9	33 987.7	3524.5	34 056.3	3636.2
	45	25 582.2	3361.0	25 659.2	3472.3	25 736.3	3584.0	25 813.6	3695.8
74	50	17 313.6	3427.3	17 399.3	3538.7	17 484.9	3650.4	17 570.8	3762.3
82	55	09 045.1	3500.6	09 139.4	3612.1	09 233.6	3723.8	09 327.9	3835.7
90									
98	00	900 776.7	1 393 580.9	900 879.4	1 403 692.5	900 982.2	1 413 804.3	901 085.1	1 423 916.3
106	05	892 508.5	3668.2	892 619.7	3779.9	892 731.0	3891.8	892 842.6	4003.9
114	10	84 240.3	3762.5	84 360.0	3874.3	84 479.9	3986.2	84 600.1	4098.4
122	15	75 972.2	3863.7	76 100.4	3975.6	76 228.9	4087.7	76 357.7	4200.0
	20	67 704.1	3972.0	67 840.8	4083.9	67 977.9	4196.1	68 115.3	4308.5
	25	59 436.2	4087.2	59 581.5	4199.3	59 727.2	4311.6	59 873.1	4424.1
	30	51 168.3	4209.4	51 322.2	4321.6	51 476.5	4434.0	51 630.9	4546.7
	35	42 900.6	4338.5	43 063.0	4450.9	43 225.9	4563.5	43 388.9	4676.2
	40	34 633.0	4474.7	34 803.9	4587.2	34 975.3	4699.9	35 147.0	4812.7
	45	26 365.6	4617.8	26 545.0	4730.5	26 725.0	4843.3	26 905.3	4956.3
75	50	18 098.1	4768.0	18 286.2	4880.7	18 474.7	4993.8	18 663.5	5106.9
83	55	09 830.9	4925.1	10 027.6	5038.1	10 224.4	5151.2	10 422.0	5264.5
91									
99	00	801 563.7	1 395 089.2	801 768.9	1 405 202.3	801 974.5	1 415 315.6	802 180.6	1 425 429.0
107	05	793 296.7	5260.2	793 510.5	5373.5	793 724.7	5487.0	793 939.3	5600.7
115	10	85 029.9	5438.3	85 252.2	5551.7	85 475.0	5665.4	85 698.2	5779.2
123	15	76 763.2	5623.3	76 994.1	5737.0	77 225.4	5850.8	77 457.2	5964.8
	20	68 496.6	5815.4	68 736.1	5929.2	68 976.1	6043.2	69 216.5	6157.4
	25	60 230.2	6014.4	60 478.3	6128.4	60 726.8	6242.6	60 975.8	6357.0
	30	51 964.1	6220.4	52 220.7	6334.6	52 477.7	6449.0	52 735.4	6563.7
	35	43 698.1	6433.3	43 963.3	6547.7	44 228.9	6662.4	44 495.1	6777.2
	40	35 432.3	6653.3	35 706.0	6768.0	35 980.2	6882.8	36 255.0	6997.8
	45	27 166.7	6880.2	27 449.0	6995.1	27 731.7	7110.2	28 015.1	7225.5
76	50	18 901.2	7114.1	19 192.0	7229.3	19 483.4	7344.6	19 775.4	7460.1
84	55	10 635.9	7355.0	10 935.3	7470.3	11 235.3	7585.9	11 535.9	7701.7
92									
100	00	702 370.9	1 397 602.9	702 678.8	1 407 718.5	702 987.5	1 417 834.3	703 296.7	1 427 950.3
108	05	694 106.1	7857.8	694 422.6	7973.7	694 739.8	8089.7	695 057.5	8205.9
116	10	85 841.5	8119.7	86 166.5	8235.8	86 492.3	8352.0	86 818.7	8468.5
124	15	77 577.2	8388.4	77 910.7	8504.8	78 245.1	8621.4	78 580.0	8738.2
	20	69 313.1	8664.3	69 655.2	8780.9	69 998.1	8897.8	70 341.7	9014.8
	25	61 049.1	8947.0	61 399.8	9064.0	61 751.3	9181.2	62 103.4	9298.5
	30	52 785.4	9236.8	53 144.7	9354.1	53 504.8	9471.5	53 865.5	9589.1
	35	44 522.0	9533.6	44 889.9	9651.1	45 258.5	1 419 768.8	45 627.8	1 429 886.7
	40	36 258.9	1 399 837.3	36 635.3	1 409 955.1	37 012.5	1 420 073.2	37 390.4	1 430 191.4
	45	27 996.0	1 400 148.1	28 380.9	1 410 266.2	28 766.6	0384.5	29 153.2	0503.0
77	50	19 733.4	0465.8	20 126.9	0584.2	20 521.2	0702.9	20 916.3	0821.7
85	55	11 471.0	0790.4	11 873.1	0909.3	12 276.0	1028.2	12 679.8	1147.3
93									
101	00	603 208.8	1 401 122.1	603 619.6	1 411 241.3	604 031.1	1 421 360.5	604 443.5	1 431 479.9
109	05	594 946.9	1460.8	595 366.3	1580.2	595 786.5	1699.9	596 207.5	1819.7
117	10	86 685.4	1806.4	87 113.3	1926.3	87 542.0	2046.2	87 971.6	2166.3
125	15	78 424.3	2159.0	78 860.7	2279.2	79 298.0	2399.5	79 736.2	2519.9
	20	70 163.4	2518.6	70 608.4	2639.1	71 054.3	2759.8	71 501.0	2880.7
	25	61 902.8	2885.2	62 356.4	3006.1	62 810.8	3127.1	63 266.3	3248.3
	30	553 642.4	1 403 258.8	554 104.6	1 413 380.1	554 567.7	1 423 501.5	555 031.7	1 433 623.0

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 45′.		Lat. 35° 50′.		Lat. 35° 55′.		Lat. 36° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 444 968.3	1 433 623.0	1 444 503.4	1 443 744.4	1 444 037.7	1 453 865.9	1 443 570.9	1 463 987.1
100	35	36 733.7	3248.3	36 277.5	3369.4	35 820.5	3490.5	35 362.3	3611.4
108	40	28 499.0	2880.7	28 051.3	3001.3	27 602.8	3122.1	27 153.4	3242.6
116	45	20 263.8	2519.9	19 824.8	2640.3	19 385.0	2760.7	18 944.2	2880.9
69	50	12 028.4	2166.3	11 597.9	2286.3	11 166.7	2406.4	10 734.7	2526.3
77	55	1 403 792.5	1819.7	1 403 370.8	1939.3	1 402 948.2	2059.1	1 402 524.8	2178.6
85									
93	00	1 395 556.5	1 431 479.9	1 395 143.4	1 441 599.3	1 394 729.6	1 451 718.7	1 394 314.7	1 461 838.0
101	05	87 320.2	1147.3	86 915.7	1266.3	86 510.5	1385.4	86 104.3	1504.4
109	10	79 083.7	0821.7	78 687.7	0940.4	78 291.1	1059.2	77 893.7	1177.8
117	15	70 846.8	0503.0	70 459.4	0621.4	70 071.4	0739.9	69 682.6	0858.2
	20	62 609.6	1 430 191.4	62 230.9	0309.4	61 851.5	0427.6	61 471.2	0545.7
	25	54 372.2	1 429 886.7	54 002.1	1 440 004.5	53 631.4	1 450 122.4	53 259.8	1 460 240.2
	30	46 134.5	9589.1	45 773.0	1 439 706.6	45 410.9	1 449 824.2	45 048.0	1 459 941.7
	35	37 896.6	9298.5	37 543.7	9415.7	37 190.3	9533.0	36 836.0	9650.2
	40	29 658.3	9014.8	29 314.1	9131.7	28 969.3	9248.8	28 623.7	9365.8
	45	21 420.0	8738.2	21 084.4	8854.8	20 748.1	8971.6	20 411.3	9088.3
70	50	13 181.3	8468.5	12 854.3	8584.9	12 526.8	8701.4	12 198.6	8817.9
78	55	1 304 942.5	8205.9	1 304 624.1	8322.0	1 304 305.3	8438.3	1 303 985.5	8554.6
86									
94	00	1 296 703.3	1 427 950.3	1 296 393.7	1 438 066.2	1 296 083.4	1 448 182.2	1 295 772.4	1 458 298.2
102	05	88 464.1	7701.7	88 163.0	7817.3	87 861.3	7933.1	87 558.9	8048.9
110	10	80 224.6	7460.1	79 932.1	7575.5	79 639.1	7691.0	79 345.3	7806.6
118	15	71 984.9	7225.5	71 700.9	7340.7	71 416.5	7456.0	71 131.4	7571.3
	20	63 745.0	6997.8	63 469.6	7112.8	63 193.9	7227.9	62 917.5	7343.0
	25	55 504.9	6777.2	55 238.1	6892.0	54 971.1	7006.9	54 703.2	7121.8
	30	47 264.6	6563.7	47 006.5	6678.2	46 748.0	6792.9	46 488.9	6907.6
	35	39 024.2	6357.0	38 774.7	6471.3	38 524.7	6585.8	38 274.3	6700.4
	40	30 783.5	6157.4	30 542.6	6271.6	30 301.4	6385.9	30 059.5	6500.2
	45	22 542.8	5964.8	22 310.5	6078.8	22 077.8	6193.0	21 844.6	6307.1
71	50	14 301.8	5779.2	14 078.1	5893.0	13 854.0	6007.0	13 629.5	6121.0
79	55	1 206 060.7	5600.7	1 205 845.6	5714.3	1 205 630.2	5828.1	1 205 414.3	5941.9
87									
95	00	1 197 819.4	1 425 429.0	1 197 612.9	1 435 542.5	1 197 406.2	1 445 656.2	1 197 198.9	1 455 769.8
103	05	89 578.0	5264.5	89 380.1	5377.8	89 181.9	5491.3	88 983.2	5604.8
111	10	81 336.5	5106.9	81 147.2	5220.1	80 957.6	5333.4	80 767.6	5446.7
119	15	73 094.7	4956.3	72 914.1	5069.3	72 733.1	5182.5	72 551.8	5295 7
	20	64 853.0	4812.7	64 681.0	4925.6	64 508.7	5038.7	64 335.9	5151.8
	25	56 611.1	4676.2	56 447.7	4788.9	56 283.9	4901.8	56 119.8	5014.8
	30	48 369.1	4546.7	48 214.3	4659.2	48 059.1	4772.0	47 903.7	4884.9
	35	40 126.9	4424.1	39 980.7	4536.6	39 834.2	4649.2	39 687.4	4762.0
	40	31 884.7	4308.5	31 747.1	4420.9	31 609.2	4533.5	31 471.0	4646.1
	45	23 642.3	4200.0	23 513.3	4312.2	23 384.1	4424.6	23 254.5	4537.2
72	50	15 399.9	4098.4	15 279.5	4210.6	15 158.9	4322.9	15 038.0	4435.4
80	55	1 107 157.4	4003.9	1 107 045.6	4115.9	1 106 933.6	4228.2	1 106 821.3	4340.6
88									
96	00	1 098 914.9	1 423 916.3	1 098 811.7	1 434 028.3	1 098 708.3	1 444 140.5	1 098 604.6	1 454 252.8
104	05	90 672.1	3835.7	90 577.5	3947.7	90 482.7	4059.8	90 387.7	4172.0
112	10	82 429.2	3762.3	82 343.3	3874.1	82 257.1	3986.2	82 170.7	4098.3
120	15	74 186.4	3695.8	74 109.0	3807.5	74 031.5	3919.5	73 953.8	4031.5
	20	65 943.7	3636.2	65 874.8	3747.9	65 805.9	3859.8	65 736.9	3971.8
	25	57 700.9	3583.7	57 640.6	3695.4	57 580.3	3807.2	57 519.9	3919.2
	30	49 458.1	3538.2	49 406.4	3649.8	49 354.8	3761.6	49 303.0	3873.5
	35	41 215.1	3499.7	41 172.0	3611.2	41 129.0	3723.0	41 085.8	3834.9
	40	32 972.1	3468.1	32 937.6	3579.6	32 903.2	3691.4	32 868.7	3803.3
	45	24 729.0	3443.6	24 703.2	3555.1	24 677.4	3666.9	24 651.5	3778.7
73	50	16 486.0	3426.1	16 468.8	3537.6	16 451.6	3649.3	16 434.3	3761.1
81	55	08 243.0	3415.6	08 234.4	3527.1	08 225.8	3638.8	08 217.2	3750.6
89									
97	00	1 000 000.0	1 423 412.1	1 000 000.0	1 433 523.6	1 000 000.0	1 443 635.3	1 000 000.0	1 453 747.1
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 35° 45′.		Lat. 35° 50′.		Lat. 35° 55′.		Lat. 36° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 423 412.1	1 000 000.0	1 433 523.6	1 000 000.0	1 443 635.3	1 000 000.0	1 453 747.1
105	05	991 757.0	3415.6	991 765.6	3527.1	991 774.2	3638.8	991 782.8	3750.6
113	10	83 514.0	3426.1	83 531.2	3537.6	83 548.4	3649.3	83 565.7	3761.1
121	15	75 271.0	3443.6	75 296.8	3555.1	75 322.6	3666.9	75 348.5	3778.7
	20	67 027.9	3468.1	67 062.4	3579.6	67 096.8	3691.4	67 131.3	3803.3
	25	58 784.9	3499.7	58 828.0	3611.2	58 871.0	3723.0	58 914.2	3834.9
	30	50 541.9	3538.2	50 593.6	3649.8	50 645.2	3761.6	50 697.0	3873.5
	35	42 299.1	3583.7	42 359.4	3695.4	42 419.7	3807.2	42 480.1	3919.2
	40	34 056.3	3636.2	34 125.2	3747.9	34 194.1	3859.8	34 263.1	3971.8
	45	25 813.6	3695.8	25 891.0	3807.5	25 968.5	3919.5	26 046.2	4031.5
74	50	17 570.8	3762.3	17 656.7	3874.1	17 742.9	3986.2	17 829.3	4098.3
82	55	09 327.9	3835.7	09 422.5	3947.7	09 517.3	4059.8	09 612.3	4172.0
90									
98	00	901 085.1	1 423 916.3	901 188.3	1 434 028.3	901 291.7	1 444 140.5	901 395.4	1 454 252.8
106	05	892 842.6	4003.9	892 954.4	4115.9	893 066.4	4228.2	893 178.7	4340.6
114	10	84 600.1	4098.4	84 720.5	4210.6	84 841.1	4322.9	84 962.0	4435.4
122	15	76 357.7	4200.0	76 486.7	4312.2	76 615.9	4424.6	76 745.5	4537.2
	20	68 115.3	4308.5	68 252.9	4420.9	68 390.7	4533.5	68 529.0	4646.1
	25	59 873.1	4424.1	60 019.3	4536.6	60 165.8	4649.2	60 312.6	4762.0
	30	51 630.9	4546.7	51 785.7	4659.2	51 940.9	4772.0	52 096.3	4884.9
	35	43 388.9	4676.2	43 552.3	4788.9	43 716.1	4901.8	43 880.2	5014.8
	40	35 147.0	4812.7	35 319.0	4925.6	35 491.3	5038.7	35 664.1	5151.8
	45	26 905.3	4956.3	27 085.9	5069.3	27 266.9	5182.5	27 448.2	5295.7
75	50	18 663.5	5106.9	18 852.8	5220.1	19 042.4	5333.4	19 232.4	5446.7
83	55	10 422.0	5264.5	10 619.9	5377.8	10 818.1	5491.3	11 016.7	5604.8
91									
99	00	802 180.6	1 425 429.0	802 387.1	1 435 542.5	802 593.8	1 445 656.2	802 801.1	1 455 769.8
107	05	793 939.3	5600.7	794 154.4	5714.3	794 369.8	5828.1	794 585.7	5941.9
115	10	85 698.2	5779.2	85 921.9	5893.0	86 146.0	6007.0	86 370.4	6121.0
123	15	77 457.2	5964.8	77 689.5	6078.8	77 922.2	6193.0	78 155.4	6307.1
	20	69 216.5	6157.4	69 457.4	6271.6	69 698.6	6385.9	69 940.5	6500.2
	25	60 975.8	6357.0	61 225.3	6471.3	61 475.3	6585.8	61 725.7	6700.4
	30	52 735.4	6563.7	52 993.5	6678.2	53 252.0	6792.9	53 511.1	6907.6
	35	44 495.1	6777.2	44 761.9	6892.0	45 028.9	7006.9	45 296.8	7121.8
	40	36 255.0	6997.8	36 530.4	7112.8	36 806.1	7227.9	37 082.5	7343.0
	45	28 015.1	7225.5	28 299.1	7340.7	28 583.5	7456.0	28 868.6	7571.3
76	50	19 775.4	7460.1	20 067.9	7575.5	20 360.9	7691.0	20 654.7	7806.6
84	55	11 535.9	7701.7	11 837.0	7817.3	12 138.7	7933.1	12 441.1	8048.9
92									
100	00	703 296.7	1 427 950.3	703 606.3	1 438 066.2	703 916.6	1 448 182.2	704 227.6	1 458 298.2
108	05	695 057.5	8205.9	695 375.9	8322.0	695 694.7	8438.3	696 014.5	8554.6
116	10	86 818.7	8468.5	87 145.7	8584.9	87 473.2	8701.4	87 801.4	8817.9
124	15	78 580.0	8738.2	78 915.6	8854.8	79 251.9	8971.6	79 588.7	9088.3
	20	70 341.7	9014.8	70 685.9	9131.7	71 030.7	9248.8	71 376.3	9365.8
	25	62 103.4	9298.5	62 456.3	9415.7	62 809.7	9533.0	63 164.0	9650.2
	30	53 865.5	9589.1	54 227.0	1 439 706.6	54 589.1	1 449 824.2	54 952.0	1 459 941.7
	35	45 627.8	1 429 886.7	45 997.9	1 440 004.5	46 368.6	1 450 122.4	46 740.2	1 460 240.2
	40	37 390.4	1 430 191.4	37 769.1	0309.4	38 148.5	0427.6	38 528.8	0545.7
	45	29 153.2	0503.0	29 540.6	0621.4	29 928.6	0739.9	30 317.4	0858.2
77	50	20 916.3	0821.7	21 312.3	0940.4	21 708.9	1059.2	22 106.3	1177.8
85	55	12 679.8	1147.3	13 084.3	1266.3	13 489.5	1385.4	13 895.7	1504.4
93									
101	00	604 443.5	1 431 479.9	604 856.6	1 441 599.3	605 270.4	1 451 718.7	605 685.3	1 461 838.0
109	05	596 207.5	1819.7	596 629.2	1939.3	597 051.8	2059.1	597 475.2	2178.6
117	10	87 971.6	2166.3	88 402.1	2286.3	88 833.3	2406.4	89 265.3	2526.3
125	15	79 736.2	2519.9	80 175.2	2640.3	80 615.0	2760.7	81 055.8	2880.9
	20	71 501.0	2880.7	71 948.7	3001.3	72 397.2	3122.1	72 846.6	3242.6
	25	63 266.3	3248.3	63 722.5	3369.4	64 179.5	3490.5	64 637.7	3611.4
	30	555 031.7	1 433 623.0	555 496.6	1 443 744.4	555 962.3	1 453 865.9	556 429.1	1 463 987.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 00′.		Lat. 36° 05′.		Lat. 36° 10′.		Lat. 36° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68									
76									
84									
92	30	1 443 570.9	1 463 987.1	1 443 103.2	1 474 108.8	1 442 634.3	1 484 230.6	1 442 164.6	1 494 352.2
100	35	35 362.3	3611.4	34 903.3	3732.7	34 443.2	3854.1	33 982.2	3975.4
108	40	27 153.4	3242.6	26 703.1	3363.6	26 251.6	3484.7	25 799.3	3605.7
116	45	18 944.2	2880.9	18 502.5	3001.6	18 059.7	3122.3	17 616.2	3243.0
69	50	10 734.7	2526.3	10 301.7	2646.6	09 867.6	2767.0	09 432.8	2887.3
77	55	1 402 524.8	2178.6	1 402 100.5	2298.5	1 401 675.2	2418.6	1 401 249.0	2538.7
85									
93	00	1 394 314.7	1 461 838.0	1 393 899.0	1 471 957.6	1 393 482.4	1 482 077.4	1 393 065.0	1 492 197.1
101	05	86 104.3	1504.4	85 697.2	1623.7	85 289.3	1743.2	84 880.6	1862.5
109	10	77 893.7	1177.8	77 495.3	1296.8	77 096.1	1415.9	76 696.0	1535.0
117	15	69 682.6	0858.2	69 292.9	0977.0	68 902.4	1095.8	68 511.1	1214.5
	20	61 471.2	0545.7	61 090.3	0664.1	60 708.5	0782.7	60 325.9	0901.1
	25	53 259.8	1 460 240.2	52 887.5	0358.3	52 514.3	0476.6	52 140.5	0594.8
	30	45 048.0	1 459 941.7	44 684.3	1 470 059.5	44 319.9	1 480 177.5	43 954.7	0295.5
	35	36 836.0	9650.2	36 481.0	1 469 767.8	36 125.2	1 479 885.5	35 768.8	1 490 003.2
	40	28 623.7	9365.8	28 277.4	9483.1	27 930.3	9600.5	27 582.5	1 489 717.9
	45	20 411.3	9088.3	20 073.6	9205.4	19 735.2	9322.6	19 396.2	9439.7
70	50	12 198.6	8817.9	11 869.5	8934.7	11 539.8	9051.7	11 209.4	9168.6
78	55	1 303 985.5	8554.6	1 303 665.2	8671.1	1 303 344.2	8787.8	1 303 022.5	8904.4
86									
94	00	1 295 772.4	1 458 298.2	1 295 460.7	1 468 414.5	1 295 148.3	1 478 531.0	1 294 835.4	1 488 647.4
102	05	87 558.9	8048.9	87 256.0	8165.0	86 952.3	8281.2	86 648.0	8397.4
110	10	79 345.3	7806.6	79 051.0	7922.5	78 756.0	8038.4	78 460.4	8154.3
118	15	71 131.4	7571.3	70 845.7	7686.9	70 559.4	7802.7	70 272.6	7918.4
	20	62 917.5	7343.0	62 640.5	7458.4	62 362.8	7574.0	62 084.6	7689.6
	25	54 703.2	7121.8	54 434.9	7237.0	54 165.9	7352.3	53 896.5	7467.7
	30	46 488.9	6907.6	46 229.2	7022.6	45 968.9	7137.7	45 708.1	7252.9
	35	38 274.3	6700.4	38 023.3	6815.2	37 771.6	6930.2	37 519.6	7045.1
	40	30 059.5	6500.2	29 817.2	6614.9	29 574.2	6729.7	29 330.8	6844.4
	45	21 844.6	6307.1	21 610.9	6421.5	21 376.7	6536.1	21 141.9	6650.7
71	50	13 629.5	6121.0	13 404.4	6235.2	13 178.9	6349.6	12 952.9	6464.1
79	55	1 205 414.3	5941.9	1 205 197.9	6056.0	1 204 981.0	6170.2	1 204 763.7	6284.5
87									
95	00	1 197 198.9	1 455 769.8	1 196 991.2	1 465 883.7	1 196 782.9	1 475 997.8	1 196 574.4	1 486 112.0
103	05	88 983.2	5604.8	88 784.2	5718.5	88 584.7	5832.5	88 384.8	5946.4
111	10	80 767.6	5446.7	80 577.2	5560.4	80 386.4	5674.2	80 195.2	5787.9
119	15	72 551.8	5295.7	72 370.0	5409.2	72 187.8	5522.8	72 005.4	5636.5
	20	64 335.9	5151.8	64 162.8	5265.1	63 989.3	5378.6	63 815.6	5492.1
	25	56 119.8	5014.8	55 955.4	5128.0	55 790.6	5241.4	55 625.5	5354.8
	30	47 903.7	4884.9	47 747.9	4998.0	47 591.8	5111.2	47 435.3	5224.5
	35	39 687.4	4762.0	39 540.2	4874.9	39 392.8	4988.1	39 245.0	5101.3
	40	31 471.0	4646.1	31 332.5	4758.9	31 193.7	4872.0	31 054.7	4985.0
	45	23 254.5	4537.2	23 124.6	4650.0	22 994.6	4762.9	22 864.3	4875.9
72	50	15 038.0	4435.4	14 916.8	4548.1	14 795.4	4660.9	14 673.8	4773.7
80	55	1 106 821.3	4340.6	106 708.8	4453.1	1 106 596.0	4565.9	1 106 483.1	4678.7
88									
96	00	1 098 604.6	1 454 252.8	1 098 500.8	1 464 365.3	1 098 396.7	1 474 477.9	1 098 292.4	1 484 590.6
104	05	90 387.7	4172.0	90 292.5	4284.4	90 197.1	4397.0	90 101.5	4509.6
112	10	82 170.7	4098.3	82 084.2	4210.6	81 997.5	4323.2	81 910.6	4435.7
120	15	73 953.8	4031.5	73 876.0	4143.8	73 797.8	4256.3	73 719.6	4368.7
	20	65 736.9	3971.8	65 667.7	4084.0	65 598.2	4196.5	65 528.7	4308.9
	25	57 519.9	3919.2	57 459.4	4031.4	57 398.6	4143.7	57 337.8	4256.1
	30	49 303.0	3873.5	49 251.2	3985.7	49 199.0	4098.0	49 146.9	4210.3
	35	41 085.8	3834.9	41 042.7	3947.0	40 999.2	4059.3	40 955.8	4171.5
	40	32 868.7	3803.3	32 834.1	3915.4	32 799.4	4027.6	32 764.6	4139.9
	45	24 651.5	3778.7	24 625.6	3890.7	24 599.5	4003.0	24 573.4	4115.2
73	50	16 434.3	3761.1	16 417.1	3873.2	16 399.7	3985.4	16 382.3	4097.6
81	55	08 217.2	3750.6	08 208.5	3862.6	08 199.9	3974.8	08 191.1	4087.0
89									
97	00	1 000 000.0	1 453 747.1	1 000 000.0	1 463 859.1	1 000 000.0	1 473 971.3	1 000 000.0	1 484 083.5
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 00′.		Lat. 36° 05′.		Lat. 36° 10′.		Lat. 36° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000. 0	1 453 747. 1	1 000 000. 0	1 463 859. 1	1 000 000. 0	1 473 971. 3	1 000 000. 0	1 484 083. 5
105	05	991 782. 8	3750. 6	991 791. 5	3862. 6	991 800. 1	3974. 8	991 808. 9	4087. 0
113	10	83 565. 7	3761. 1	83 582. 9	3873. 2	83 600. 3	3985. 4	83 617. 7	4097. 6
121	15	75 348. 5	3778. 7	75 374. 4	3890. 7	75 400. 5	4003. 0	75 426. 6	4115. 2
	20	67 131. 3	3803. 3	67 165. 9	3915. 4	67 200. 6	4027. 6	67 235. 4	4139. 9
	25	58 914. 2	3834. 9	58 957. 3	3947. 0	59 000. 8	4059. 3	59 044. 2	4171. 5
	30	50 697. 0	3873. 5	50 748. 8	3985. 7	50 801. 0	4098. 0	50 853. 1	4210. 3
	35	42 480. 1	3919. 2	42 540. 6	4031. 4	42 601. 4	4143. 7	42 662. 2	4256. 1
	40	34 263. 1	3971. 8	34 332. 3	4084. 0	34 401. 8	4196. 5	34 471. 3	4308. 9
	45	26 046. 2	4031. 5	26 124. 0	4143. 8	26 202. 2	4256. 3	26 280. 4	4368. 7
74	50	17 829. 3	4098. 3	17 915. 8	4210. 6	18 002. 5	4323. 2	18 089. 4	4435. 7
82	55	09 612. 3	4172. 0	09 707. 5	4284. 4	09 802. 9	4397. 0	09 898. 5	4509. 6
90									
98	00	901 395. 4	1 454 252. 8	901 499. 2	1 464 365. 3	901 603. 3	1 474 477. 9	901 707. 6	1 484 590. 6
106	05	893 178. 7	4340. 6	893 291. 2	4453. 1	893 404. 0	4565. 9	893 516. 9	4678. 7
114	10	84 962. 0	4435. 4	85 083. 2	4548. 1	85 204. 6	4660. 9	85 326. 2	4773. 7
122	15	76 745. 5	4537. 2	76 875. 4	4650. 0	77 005. 4	4762. 9	77 135. 7	4875. 9
	20	68 529. 0	4646. 1	68 667. 5	4758. 9	68 806. 3	4872. 0	68 945. 3	4985. 0
	25	60 312. 6	4762. 0	60 459. 8	4874. 9	60 607. 2	4988. 1	60 755. 0	5101. 3
	30	52 096. 3	4884. 9	52 252. 1	4998. 0	52 408. 2	5111. 2	52 564. 7	5224. 5
	35	43 880. 2	5014. 8	44 044. 6	5128. 0	44 209. 4	5241. 4	44 374. 5	5354. 8
	40	35 664. 1	5151. 8	35 837. 2	5265. 1	36 010. 7	5378. 6	36 184. 4	5492. 1
	45	27 448. 2	5295. 7	27 630. 0	5409. 2	27 812. 2	5522. 8	27 994. 6	5636. 5
75	50	19 232. 4	5446. 7	19 422. 8	5560. 4	19 613. 6	5674. 2	19 804. 8	5787. 9
83	55	11 016. 7	5604. 8	11 215. 8	5718. 5	11 415. 3	5832. 5	11 615. 2	5946. 4
91									
99	00	802 801. 1	1 455 769. 8	803 008. 8	1 465 883. 7	803 217. 1	1 475 997. 8	803 425. 6	1 486 112. 0
107	05	794 585. 7	5941. 9	794 802. 1	6056. 0	795 019. 0	6170. 2	795 236. 3	6284. 5
115	10	86 370. 4	6121. 0	86 595. 6	6235. 2	86 821. 1	6349. 6	87 047. 1	6464. 1
123	15	78 155. 4	6307. 1	78 389. 1	6421. 5	78 623. 3	6536. 1	78 858. 1	6650. 7
	20	69 940. 5	6500. 2	70 182. 8	6614. 9	70 425. 8	6729. 7	70 669. 2	6844. 4
	25	61 725. 7	6700. 4	61 976. 7	6815. 2	62 228. 4	6930. 2	62 480. 4	7045. 1
	30	53 511. 1	6907. 6	53 770. 8	7022. 6	54 031. 1	7137. 7	54 291. 9	7252. 9
	35	45 296. 8	7121. 8	45 565. 1	7237. 0	45 834. 1	7352. 3	46 103. 5	7467. 7
	40	37 082. 5	7343. 0	37 359. 5	7458. 4	37 637. 2	7574. 0	37 915. 4	7689. 6
	45	28 868. 6	7571. 3	29 154. 3	7686. 9	29 440. 6	7802. 7	29 727. 4	7918. 4
76	50	20 654. 7	7806. 6	20 949. 0	7922. 5	21 244. 0	8038. 4	21 539. 6	8154. 3
84	55	12 441. 1	8048. 9	12 744. 0	8165. 0	13 047. 7	8281. 2	13 352. 0	8397. 4
92									
100	00	704 227. 6	1 458 298. 2	704 539. 3	1 468 414. 5	704 851. 7	1 478 531. 0	705 164. 6	1 488 647. 4
108	05	696 014. 5	8554. 6	696 334. 8	8671. 1	696 655. 8	8787. 8	696 977. 5	8904. 4
116	10	87 801. 4	8817. 9	88 130. 5	8934. 7	88 460. 2	9051. 7	88 790. 6	9168. 6
124	15	79 588. 7	9088. 3	79 926. 4	9205. 4	80 264. 8	9322. 6	80 603. 8	9439. 7
	20	71 376. 3	9365. 8	71 722. 6	9483. 1	72 069. 7	9600. 5	72 417. 5	1 489 717. 9
	25	63 164. 0	9650. 2	63 519. 0	1 469 767. 8	63 874. 8	1 479 885. 5	64 231. 2	1 490 003. 2
	30	54 952. 0	1 459 941. 7	55 315. 7	1 470 059. 5	55 680. 1	1 480 177. 5	56 045. 3	0295. 5
	35	46 740. 2	1 460 240. 2	47 112. 5	0358. 3	47 485. 7	0476. 6	47 859. 5	0594. 8
	40	38 528. 8	0545. 7	38 909. 7	0664. 1	39 291. 5	0782. 7	39 674. 1	0901. 1
	45	30 317. 4	0858. 2	30 707. 1	0977. 0	31 097. 6	1095. 8	31 488. 9	1214. 5
77	50	22 106. 3	1177. 8	22 504. 7	1296. 8	22 903. 9	1415. 9	23 304. 0	1535. 0
85	55	13 895. 7	1504. 4	14 302. 8	1623. 7	14 710. 7	1743. 2	15 119. 4	1862. 5
93									
101	00	605 685. 3	1 461 838. 0	606 101. 0	1 471 957. 6	606 517. 6	1 482 077. 4	606 935. 0	1 492 197. 1
109	05	597 475. 2	2178. 6	597 899. 5	2298. 5	598 324. 8	2418. 6	598 751. 0	2538. 7
117	10	89 265. 3	2526. 3	89 698. 3	2646. 6	90 132. 4	2767. 0	90 567. 2	2887. 3
125	15	81 055. 8	2880. 9	81 497. 5	3001. 6	81 940. 3	3122. 3	82 383. 8	3243. 0
	20	72 846. 6	3242. 6	73 296. 9	3363. 6	73 748. 4	3484. 7	74 200. 7	3605. 7
	25	64 637. 7	3611. 4	65 096. 7	3732. 7	65 556. 8	3854. 1	66 017. 8	3975. 4
	30	556 429. 1	1 463 987. 1	556 896. 8	1 474 108. 8	557 365. 7	1 484 230. 6	557 835. 4	1 494 352. 2

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 15′.		Lat. 36° 20′.		Lat. 36° 25′.		Lat. 36° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 442 164.6	1 494 352.2	1 441 694.2	1 504 474.2	1 441 222.6	1 514 596.0	1 440 750.4	1 524 717.9
100	35	33 982.2	3975.4	33 520.4	4097.0	33 057.7	4218.6	32 594.1	4340.1
108	40	25 799.3	3605.7	25 346.2	3727.0	24 892.3	3848.1	24 437.4	3969.3
116	45	17 616.2	3243.0	17 171.9	3363.9	16 726.7	3484.7	16 280.7	3605.6
69	50	09 432.8	2887.3	08 997.2	3007.9	08 560.8	3128.4	1 408 123.4	3249.0
77	55	1 401 249.0	2538.7	1 400 822.1	2659.0	1 400 394.4	2779.1	1 399 965.8	2899.4
85									
93	00	1 393 065.0	1 492 197.1	1 392 646.8	1 502 317.1	1 392 227.8	1 512 437.0	1 391 808.0	1 522 556.9
101	05	84 880.6	1862.5	84 471.2	1982.2	84 061.0	2101.8	83 649.9	2221.4
109	10	76 696.0	1535.0	76 295.3	1654.4	75 893.8	1773.6	75 491.5	1893.0
117	15	68 511.1	1214.5	68 119.2	1333.6	67 726.4	1452.6	67 332.9	1571.7
	20	60 325.9	0901.1	59 942.6	1019.9	59 558.6	1138.6	59 173.8	1257.4
	25	52 140.5	0594.8	51 765.9	0713.3	51 390.5	0831.7	51 014.6	0950.2
	30	43 954.7	0295.5	43 588.9	0413.7	43 222.4	0531.8	42 855.1	0650.1
	35	35 768.8	1 490 003.2	35 411.6	1 500 121.1	35 053.8	1 510 239.0	34 695.4	0357.0
	40	27 582.5	1 489 717.9	27 234.1	1 499 835.6	26 885.1	1 509 953.2	26 535.4	1 520 071.0
	45	19 396.2	9439.7	19 056.5	9557.2	18 716.1	9674.6	18 375.1	1 519 792.0
70	50	11 209.4	9168.6	10 878.5	9285.8	10 546.9	9402.9	10 214.7	9520.1
78	55	1 303 022.5	8904.4	1 302 700.3	9021.4	1 302 377.5	9138.3	1 302 053.9	9255.3
86									
94	00	1 294 835.4	1 488 647.4	1 294 521.9	1 498 764.1	1 294 207.8	1 508 880.7	1 293 893.0	1 518 997.5
102	05	86 648.0	8397.4	86 343.2	8513.9	86 037.7	8630.3	85 731.8	8746.8
110	10	78 460.4	8154.3	78 164.3	8270.6	77 867.7	8386.8	77 570.5	8503.2
118	15	70 272.6	7918.4	69 985.3	8034.5	69 697.3	8150.4	69 408.8	8266.6
	20	62 084.6	7689.6	61 806.0	7805.3	61 526.9	7921.2	61 247.0	8037.1
	25	53 896.5	7467.7	53 626.5	7583.3	53 356.0	7698.9	53 085.1	7814.6
	30	45 708.1	7252.9	45 446.9	7368.3	45 185.2	7483.7	44 922.9	7599.2
	35	37 519.6	7045.1	37 267.1	7160.3	37 014.1	7275.5	36 760.6	7390.9
	40	29 330.8	6844.4	29 087.0	6959.4	28 842.7	7074.4	28 598.1	7189.6
	45	21 141.9	6650.7	20 906.8	6765.5	20 671.3	6880.4	20 435.3	6995.4
71	50	12 952.9	6464.1	12 726.6	6578.8	12 499.7	6693.4	12 272.4	6808.2
79	55	1 204 763.7	6284.5	1 204 546.1	6399.0	1 204 327.9	6513.4	1 204 109.4	6628.1
87									
95	00	1 196 574.4	1 486 112.0	1 196 365.4	1 496 226.2	1 196 155.9	1 506 340.6	1 195 946.3	1 516 455.1
103	05	88 384.8	5946.4	88 184.6	6060.6	87 983.9	6174.8	87 782.8	6289.2
111	10	80 195.2	5787.9	80 003.7	5902.0	79 811.8	6016.0	79 619.4	6130.3
119	15	72 005.4	5636.5	71 822.6	5750.5	71 639.4	5864.4	71 455.8	5978.4
	20	63 815.6	5492.1	63 641.4	5605.9	63 466.9	5719.7	63 292.1	5833.6
	25	55 625.5	5354.8	55 460.0	5468.5	55 294.3	5582.1	55 128.2	5695.9
	30	47 435.3	5224.5	47 278.6	5338.0	47 121.7	5451.6	46 964.3	5565.3
	35	39 245.0	5101.3	39 097.0	5214.7	38 948.8	5328.1	38 800.2	5441.7
	40	31 054.7	4985.0	30 915.4	5098.3	30 775.9	5211.7	30 636.0	5325.2
	45	22 864.3	4875.9	22 733.7	4989.1	22 602.9	5102.3	22 471.7	5215.7
72	50	14 673.8	4773.7	14 551.9	4886.9	14 429.8	5000.0	14 307.4	5113.3
80	55	1 106 483.1	4678.7	1 106 369.9	4791.7	1 106 256.5	4904.7	1 106 142.9	5018.0
88									
96	00	1 098 292.4	1 484 590.6	1 098 187.9	1 494 703.6	1 098 083.2	1 504 816.5	1 097 978.4	1 514 929.7
104	05	90 101.5	4509.6	90 005.7	4622.5	89 909.7	4735.4	89 813.6	4848.5
112	10	81 910.6	4435.7	81 823.5	4548.4	81 736.2	4661.3	81 648.9	4774.3
120	15	73 719.6	4368.7	73 641.3	4481.5	73 562.7	4594.3	73 484.2	4707.2
	20	65 528.7	4308.9	65 459.1	4421.6	65 389.3	4534.3	65 319.4	4647.2
	25	57 337.8	4256.1	57 276.9	4368.7	57 215.8	4481.3	57 154.6	4594.2
	30	49 146.9	4210.3	49 094.7	4322.9	49 042.3	4435.5	48 989.9	4548.3
	35	40 955.8	4171.5	40 912.2	4284.1	40 868.7	4396.7	40 824.9	4509.5
	40	32 764.6	4139.9	32 729.8	4252.4	32 694.8	4364.9	32 659.9	4477.7
	45	24 573.4	4115.2	24 547.4	4227.7	24 521.1	4340.2	24 495.0	4453.0
73	50	16 382.3	4097.6	16 364.9	4210.1	16 347.4	4322.6	16 330.0	4435.3
81	55	08 191.1	4087.0	08 182.4	4199.5	08 173.7	4312.0	08 165.0	4424.7
89									
97	00	1 000 000.0	1 484 083.5	1 000 000.0	1 494 196.0	1 000 000.0	1 504 308.5	1 000 000.0	1 514 421.2
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 15′.		Lat. 36° 20′.		Lat. 36° 25′.		Lat. 36° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 484 083.5	1 000 000.0	1 494 196.0	1 000 000.0	1 504 308.5	1 000 000.0	1 514 421.2
105	05	991 808.9	4087.0	991 817.6	4199.5	991 826.3	4312.0	991 835.0	4424.7
113	10	83 617.7	4097.6	83 635.1	4210.1	83 652.6	4322.6	83 670.0	4435.3
121	15	75 426.6	4115.2	75 452.6	4227.7	75 478.9	4340.2	75 505.0	4453.0
	20	67 235.4	4139.9	67 270.2	4252.4	67 305.2	4364.9	67 340.1	4477.7
	25	59 044.2	4171.5	59 087.8	4284.1	59 131.3	4396.7	59 175.1	4509.5
	30	50 853.1	4210.3	50 905.3	4322.9	50 957.7	4435.5	51 010.1	4548.3
	35	42 662.2	4256.1	42 723.1	4368.7	42 784.2	4481.3	42 845.4	4594.2
	40	34 471.3	4308.9	34 540.9	4421.6	34 610.7	4534.3	34 680.6	4647.2
	45	26 280.4	4368.7	26 358.7	4481.5	26 437.3	4594.3	26 515.8	4707.2
74	50	18 089.4	4435.7	18 176.5	4548.4	18 263.8	4661.3	18 351.1	4774.3
82	55	09 898.5	4509.6	09 994.3	4622.5	10 090.3	4735.4	10 186.4	4848.5
90									
98	00	901 707.6	1 484 590.6	901 812.1	1 494 703.6	901 916.8	1 504 816.5	902 021.6	1 514 929.7
106	05	893 516.9	4678.7	893 630.1	4791.7	893 743.5	4904.7	893 857.1	5018.0
114	10	85 326.2	4773.7	85 448.1	4886.9	85 570.2	5000.0	85 692.6	5113.3
122	15	77 135.7	4875.9	77 266.3	4989.1	77 397.1	5102.3	77 528.3	5215.7
	20	68 945.3	4985.0	69 084.6	5098.3	69 224.1	5211.7	69 364.0	5325.2
	25	60 755.0	5101.3	60 903.0	5214.7	61 051.2	5328.1	61 199.8	5441.7
	30	52 564.7	5224.5	52 721.4	5338.0	52 878.3	5451.6	53 035.7	5565.3
	35	44 374.5	5354.8	44 540.0	5468.5	44 705.7	5582.1	44 871.8	5695.9
	40	36 184.4	5492.1	36 358.6	5605.9	36 533.1	5719.7	36 707.9	5833.6
	45	27 994.6	5636.5	28 177.4	5750.5	28 360.6	5864.4	28 544.2	5978.4
75	50	19 804.8	5787.9	19 996.3	5902.0	20 188.2	6016.0	20 380.6	6130.3
83	55	11 615.2	5946.4	11 815.4	6060.6	12 016.1	6174.8	12 217.2	6289.2
91									
99	00	803 425.6	1 486 112.0	803 634.6	1 496 226.2	803 844.1	1 506 340.6	804 053.7	1 516 455.1
107	05	795 236.3	6284.5	795 453.9	6399.0	795 672.1	6513.4	795 890.6	6628.1
115	10	87 047.1	6464.1	87 273.4	6578.8	87 500.3	6693.4	87 727.6	6808.2
123	15	78 858.1	6650.7	79 093.2	6765.5	79 328.7	6880.4	79 564.7	6995.4
	20	70 669.2	6844.4	70 913.0	6959.4	71 157.3	7074.4	71 401.9	7189.6
	25	62 480.4	7045.1	62 732.9	7160.3	62 985.9	7275.5	63 239.4	7390.9
	30	54 291.9	7252.9	54 553.1	7368.3	54 814.8	7483.7	55 077.1	7599.2
	35	46 103.5	7467.7	46 373.5	7583.3	46 644.0	7698.9	46 914.9	7814.6
	40	37 915.4	7689.6	38 194.0	7805.3	38 473.1	7921.2	38 753.0	8037.1
	45	29 727.4	7918.4	30 014.7	8034.5	30 302.7	8150.4	30 591.2	8266.6
76	50	21 539.6	8154.3	21 835.7	8270.6	22 132.2	8386.8	22 429.5	8503.2
84	55	13 352.0	8397.4	13 656.8	8513.9	13 962.2	8630.3	14 268.2	8746.8
92									
100	00	705 164.6	1 488 647.4	705 478.1	1 498 764.1	705 792.2	1 508 880.7	706 107.0	1 518 997.5
108	05	696 977.5	8904.4	697 299.7	9021.4	697 622.5	9138.3	697 946.1	9255.3
116	10	88 790.6	9168.6	89 121.5	9285.8	89 453.1	9402.9	89 785.3	9520.1
124	15	80 603.8	9439.7	80 943.4	9557.2	81 283.9	9674.6	81 624.9	1 519 792.0
	20	72 417.5	1 489 717.9	72 765.9	1 499 835.6	73 114.9	1 509 953.2	73 464.6	1 520 071.0
	25	64 231.2	1 490 003.2	64 588.4	1 500 121.1	64 946.2	1 510 239.0	65 304.6	0357.0
	30	56 045.3	0295.5	56 411.1	0413.7	56 777.6	0531.8	57 144.9	0650.1
	35	47 859.5	0594.8	48 234.1	0713.3	48 609.5	0831.7	48 985.4	0950.2
	40	39 674.1	0901.1	40 057.4	1019.9	40 441.4	1138.6	40 826.2	1257.4
	45	31 488.9	1214.5	31 880.8	1333.6	32 273.6	1452.6	32 667.1	1571.7
77	50	23 304.0	1535.0	23 704.7	1654.4	24 106.2	1773.6	24 508.5	1893.0
85	55	15 119.4	1862.5	15 528.8	1982.2	15 939.0	2101.8	16 350.1	2221.4
93									
101	00	606 935.0	1 492 197.1	607 353.2	1 502 317.1	607 772.2	1 512 437.0	608 192.0	1 522 556.9
109	05	598 751.0	2538.7	599 177.9	2659.0	599 605.6	2779.1	600 034.2	2899.4
117	10	90 567.2	2887.3	91 002.8	3007.9	91 439.2	3128.4	591 876.6	3249.0
125	15	82 383.8	3243.0	82 828.1	3363.9	83 273.3	3484.7	83 719.3	3605.6
	20	74 200.7	3605.7	74 653.8	3727.0	75 107.7	3848.1	75 562.6	3969.3
	25	66 017.8	3975.4	66 479.6	4097.0	66 942.3	4218.6	67 405.9	4340.1
	30	557 835.4	1 494 352.2	558 305.8	1 504 474.2	558 777.4	1 514 596.0	559 249.6	1 524 717.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 30′.		Lat. 36° 35′.		Lat. 36° 40′.		Lat. 36° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 440 750.4	1 524 717.9	1 440 276.8	1 534 840.0	1 439 802.6	1 544 962.1	1 439 327.3	1 555 084.0
100	35	32 594.1	4340.1	32 129.4	4461.8	31 663.8	4583.6	31 197.3	4705.3
108	40	24 437.4	3969.3	23 981.6	4090.7	23 524.9	4212.1	23 067.2	4333.5
116	45	16 280.7	3605.6	15 833.4	3726.7	15 385.5	3847.8	14 936.7	3968.8
69	50	1 408 123.4	3249.0	1 407 685.1	3369.7	1 407 245.9	3490.5	1 406 805.9	3611.2
77	55	1 399 965.8	2899.4	1 399 536.3	3019.9	1 399 105.9	3140.3	1 398 674.8	3260.7
85									
93	00	1 391 808.0	1 522 556.9	1 391 387.2	1 532 677.1	1 390 965.6	1 542 797.2	1 390 543.3	1 552 917.3
101	05	83 649.9	2221.4	83 237.8	2341.3	82 825.1	2461.2	82 411.6	2580.9
109	10	75 491.5	1893.0	75 088.3	2012.6	74 684.4	2132.2	74 279.6	2251.7
117	15	67 332.9	1571.7	66 938.3	1690.9	66 543.2	1810.3	66 147.3	1929.5
	20	59 173.8	1257.4	58 788.1	1376.4	58 401.8	1495.5	58 014.6	1614.4
	25	51 014.6	0950.2	50 637.8	1068.9	50 260.1	1187.7	49 881.8	1306.4
	30	42 855.1	0650.1	42 487.0	0768.5	42 118.2	0887.0	41 748.6	1005.4
	35	34 695.4	0357.0	34 336.1	0475.1	33 976.1	0593.4	33 615.3	0711.6
	40	26 535.4	1 520 071.0	26 184.8	1 530 188.9	25 833.6	0306.9	25 481.8	0424.8
	45	18 375.1	1 519 792.0	18 033.4	1 529 909.7	17 690.9	1 540 027.4	17 347.8	1 550 145.1
70	50	10 214.7	9520.1	09 881.7	9637.6	09 548.0	1 539 755.1	09 213.7	1 549 872.5
78	55	1 302 053.9	9255.3	1 301 729.6	9372.5	1 301 404.9	9489.8	1 301 079.4	9607.0
86									
94	00	1 293 893.0	1 518 997.5	1 293 577.5	1 529 114.5	1 293 261.5	1 539 231.5	1 292 944.8	1 549 348.5
102	05	85 731.8	8746.8	85 425.1	8863.5	85 117.9	8980.4	84 810.0	9097.1
110	10	77 570.5	8503.2	77 272.5	8619.7	76 974.0	8736.3	76 675.0	8852.9
118	15	69 408.8	8266.6	69 119.6	8382.9	68 830.0	8499.3	68 539.8	8615.6
	20	61 247.0	8037.1	60 966.6	8153.2	60 685.7	8269.4	60 404.2	8385.5
	25	53 085.1	7814.6	52 813.4	7930.5	52 541.3	8046.5	52 268.6	8162.4
	30	44 922.9	7599.2	44 660.1	7714.9	44 396.7	7830.7	44 132.9	7946.5
	35	36 760.6	7390.9	36 506.5	7506.4	36 252.0	7622.0	35 996.9	7737.7
	40	28 598.1	7189.6	28 352.7	7305.0	28 106.9	7420.4	27 860.7	7535.8
	45	20 435.3	6995.4	20 198.7	7110.5	19 961.7	7225.8	19 724.3	7341.2
71	50	12 272.4	6808.2	12 044.6	6923.3	11 816.4	7038.4	11 587.8	7153.5
79	55	1 204 109.4	6628.1	1 203 890.4	6743.0	1 203 671.0	6857.9	1 203 451.1	6972.8
87									
95	00	1 195 946.3	1 516 455.1	1 195 736.0	1 526 569.8	1 195 525.3	1 536 684.6	1 195 314.2	1 546 799.4
103	05	87 782.8	6289.2	87 581.3	6403.8	87 379.4	6518.4	87 177.2	6633.0
111	10	79 619.4	6130.3	79 426.6	6244.7	79 233.6	6359.2	79 040.1	6473.7
119	15	71 455.8	5978.4	71 271.8	6092.7	71 087.5	6207.1	70 902.8	6321.4
	20	63 292.1	5833.6	63 116.9	5947.8	62 941.4	6062.0	62 765.5	6176.3
	25	55 128.2	5695.9	54 961.8	5810.0	54 795.0	5924.1	54 627.9	6038.2
	30	46 964.3	5565.3	46 806.6	5679.2	46 648.6	5793.2	46 490.3	5907.2
	35	38 800.2	5441.7	38 651.2	5555.5	38 502.1	5669.4	38 352.6	5783.3
	40	30 636.0	5325.2	30 495.9	5438.9	30 355.5	5552.7	30 214.8	5666.5
	45	22 471.7	5215.7	22 340.3	5329.3	22 208.7	5443.0	22 076.8	5556.7
72	50	14 307.4	5113.3	14 184.7	5226.8	14 061.9	5340.4	13 938.8	5454.1
80	55	1 106 142.9	5018.0	1 106 029.0	5131.4	1 105 914.9	5244.9	1 105 800.6	5358.4
88									
96	00	1 097 978.4	1 514 929.7	1 097 873.2	1 525 043.0	1 097 767.9	1 535 156.5	1 097 662.4	1 545 269.9
104	05	89 813.6	4848.5	89 717.2	4961.7	89 620.7	5075.1	89 524.0	5188.5
112	10	81 648.9	4774.3	81 561.2	4887.5	81 473.5	5000.9	81 385.6	5114.1
120	15	73 484.2	4707.2	73 405.2	4820.3	73 326.3	4933.6	73 247.1	5046.9
	20	65 319.4	4647.2	65 249.3	4760.3	65 179.1	4873.5	65 108.7	4986.7
	25	57 154.6	4594.2	57 093.3	4707.3	57 031.9	4820.4	56 970.3	4933.6
	30	48 989.9	4548.3	48 937.3	4661.4	48 884.7	4774.5	48 831.9	4887.5
	35	40 824.9	4509.5	40 781.1	4622.5	40 737.2	4735.6	40 693.2	4848.7
	40	32 659.9	4477.7	32 624.9	4590.7	32 589.8	4703.7	32 554.6	4816.7
	45	24 495.0	4453.0	24 468.6	4565.9	24 442.3	4678.9	24 416.0	4791.9
73	50	16 330.0	4435.3	16 312.4	4548.2	16 294.9	4661.3	16 277.3	4774.3
81	55	08 165.0	4424.7	08 156.2	4537.6	08 147.4	4650.6	08 138.6	4763.6
89									
97	00	1 000 000.0	1 514 421.2	1 000 000.0	1 524 534.1	1 000 000.0	1 534 647.1	1 000 000.0	1 544 760.1
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 30′.		Lat. 36° 35′.		Lat. 36° 40′.		Lat. 36° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 514 421.2	1 000 000.0	1 524 534.1	1 000 000.0	1 534 647.1	1 000 000.0	1 544 760.1
105	05	991 835.0	4424.7	991 843.8	4537.6	991 852.6	4650.6	991 861.4	4763.6
113	10	83 670.0	4435.3	83 687.6	4548.2	83 705.1	4661.3	83 722.7	4774.3
121	15	75 505.0	4453.0	75 531.4	4565.9	75 557.7	4678.9	75 584.0	4791.9
	20	67 340.1	4477.7	67 375.1	4590.7	67 410.2	4703.7	67 445.4	4816.7
	25	59 175.1	4509.5	59 218.9	4622.5	59 262.8	4735.6	59 306.8	4848.7
	30	51 010.1	4548.3	51 062.7	4661.4	51 115.3	4774.5	51 168.1	4887.5
	35	42 845.4	4594.2	42 906.7	4707.3	42 968.1	4820.4	43 029.7	4933.6
	40	34 680.6	4647.2	34 750.7	4760.3	34 820.9	4873.5	34 891.3	4986.7
	45	26 515.8	4707.2	26 594.8	4820.3	26 673.7	4933.6	26 752.9	5046.9
74	50	18 351.1	4774.3	18 438.8	4887.5	18 526.5	5000.9	18 614.4	5114.1
82	55	10 186.4	4848.5	10 282.8	4961.7	10 379.3	5075.1	10 476.0	5188.5
90									
98	00	902 021.6	1 514 929.7	902 126.8	1 525 043.0	902 232.1	1 535 156.5	902 337.6	1 545 269.9
106	05	893 857.1	5018.0	893 971.0	5131.4	894 085.1	5244.9	894 199.4	5358.4
114	10	85 692.6	5113.3	85 815.3	5226.8	85 938.1	5340.4	86 061.2	5454.1
122	15	77 528.3	5215.7	77 659.7	5329.3	77 791.3	5443.0	77 923.2	5556.7
	20	69 364.0	5325.2	69 504.1	5438.9	69 644.5	5552.7	69 785.2	5666.5
	25	61 199.8	5441.7	61 348.8	5555.5	61 497.9	5669.4	61 647.4	5783.3
	30	53 035.7	5565.3	53 193.4	5679.2	53 351.4	5793.2	53 509.7	5907.2
	35	44 871.8	5695.9	45 038.2	5810.0	45 205.0	5924.1	45 372.1	6038.2
	40	36 707.9	5833.6	36 883.1	5947.8	37 058.6	6062.0	37 234.5	6176.3
	45	28 544.2	5978.4	28 728.2	6092.7	28 912.5	6207.1	29 097.2	6321.4
75	50	20 380.6	6130.3	20 573.4	6244.7	20 766.4	6359.2	20 959.9	6473.7
83	55	12 217.2	6289.2	12 418.7	6403.8	12 620.6	6518.4	12 822.8	6633.0
91									
99	00	804 053.7	1 516 455.1	804 264.0	1 526 569.8	804 474.7	1 536 684.6	804 685.8	1 546 799.4
107	05	795 890.6	6628.1	796 109.6	6743.0	796 329.0	6857.9	796 548.9	6972.8
115	10	87 727.6	6808.2	87 955.4	6923.3	88 183.6	7038.4	88 412.2	7153.5
123	15	79 564.7	6995.4	79 801.3	7110.5	80 038.3	7225.8	80 275.7	7341.2
	20	71 401.9	7189.6	71 647.3	7305.0	71 893.1	7420.4	72 139.3	7535.8
	25	63 239.4	7390.9	63 493.5	7506.4	63 748.0	7622.0	64 003.1	7737.7
	30	55 077.1	7599.2	55 339.9	7714.9	55 603.3	7830.7	55 867.1	7946.5
	35	46 914.9	7814.6	47 186.6	7930.5	47 458.7	8046.5	47 731.4	8162.4
	40	38 753.0	8037.1	39 033.4	8153.2	39 314.3	8269.4	39 595.8	8385.5
	45	30 591.2	8266.6	30 880.4	8382.9	31 170.0	8499.3	31 460.2	8615.6
76	50	22 429.5	8503.2	22 727.5	8619.7	23 026.0	8736.3	23 325.0	8852.9
84	55	14 268.2	8746.8	14 574.9	8863.5	14 882.1	8980.4	15 190.0	9097.1
92									
100	00	706 107.0	1 518 997.5	706 422.5	1 529 114.5	706 738.5	1 539 231.5	707 055.2	1 549 348.5
108	05	697 946.1	9255.3	698 270.4	9372.5	698 595.1	9489.8	698 920.6	9607.0
116	10	89 785.3	9520.1	90 118.3	9637.6	90 452.0	1 539 755.1	90 786.3	1 549 872.5
124	15	81 624.9	1 519 792.0	81 966.6	1 529 909.7	82 309.1	1 540 027.4	82 652.2	1 550 145.1
	20	73 464.6	1 520 071.0	73 815.2	1 530 188.9	74 166.4	0306.9	74 518.2	0424.8
	25	65 304.6	0357.0	65 663.9	0475.1	66 023.9	0593.4	66 384.7	0711.6
	30	57 144.9	0650.1	57 513.0	0768.5	57 881.8	0887.0	58 251.4	1005.4
	35	48 985.4	0950.2	49 362.2	1068.9	49 739.9	1187.7	50 118.2	1306.4
	40	40 826.2	1257.4	41 211.9	1376.4	41 598.2	1495.5	41 985.4	1614.4
	45	32 667.1	1571.7	33 061.7	1690.9	33 456.8	1810.3	33 852.7	1929.5
77	50	24 508.5	1893.0	24 911.7	2012.6	25 315.6	2132.2	25 720.4	2251.7
85	55	16 350.1	2221.4	16 762.2	2341.3	17 174.9	2461.2	17 588.4	2580.9
93									
101	00	608 192.0	1 522 556.9	608 612.8	1 532 677.1	609 034.4	1 542 797.2	609 456.7	1 552 917.3
109	05	600 034.2	2899.4	600 463.7	3019.9	600 894.1	3140.3	601 325.2	3260.7
117	10	591 876.6	3249.0	592 314.9	3369.7	592 754.1	3490.5	593 194.1	3611.2
125	15	83 719.3	3605.6	84 166.6	3726.7	84 614.5	3847.8	85 063.3	3968.8
	20	75 562.6	3969.3	76 018.4	4090.7	76 475.1	4212.1	76 932.8	4333.5
	25	67 405.9	4340.1	67 870.6	4461.8	68 336.2	4583.6	68 802.7	4705.3
	30	559 249.6	1 524 717.9	559 723.2	1 534 840.0	560 197.4	1 544 962.1	560 672.7	1 555 084.0

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 45′.		Lat. 36° 50′.		Lat. 36° 55′.		Lat. 37° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 439 327.3	1 555 084.0	1 438 851.1	1 565 206.2	1 438 374.2	1 575 328.4	1 437 896.2	1 585 450.6
100	35	31 197.3	4705.3	30 730.0	4827.1	30 261.8	4949.0	29 792.8	5070.8
108	40	23 067.2	4333.5	22 608.8	4455.0	22 149.2	4576.6	21 689.2	4698.1
116	45	14 936.7	3968.8	14 487.0	4090.0	14 036.7	4211.2	13 585.2	4332.5
69	50	1 406 805.9	3611.2	1 406 365.1	3732.1	1 405 923.5	3853.1	1 405 481.0	3974.1
77	55	1 398 674.8	3260.7	1 398 242.8	3381.3	1 397 809.8	3501.9	1 397 376.3	3622.6
85									
93	00	1 390 543.3	1 552 917.3	1 390 120.2	1 563 037.6	1 389 696.2	1 573 158.0	1 389 271.5	1 583 278.3
101	05	82 411.6	2580.9	81 997.3	2701.0	81 582.2	2821.0	81 166.2	2941.1
109	10	74 279.6	2251.7	73 874.1	2371.5	73 467.8	2491.2	73 060.8	2611.0
117	15	66 147.3	1929.5	65 750.6	2049.0	65 353.3	2168.5	64 955.0	2288.0
	20	58 014.6	1614.4	57 626.8	1733.6	57 238.2	1852.8	56 848.9	1972.1
	25	49 881.8	1306.4	49 502.8	1425.3	49 123.1	1544.3	48 742.6	1663.3
	30	41 748.6	1005.4	41 378.4	1124.1	41 007.6	1242.8	40 636.0	1361.6
	35	33 615.3	0711.6	33 254.0	0830.0	32 892.0	0948.5	32 529.2	1067.0
	40	25 481.8	0424.8	25 129.1	0542.9	24 775.9	0661.3	24 422.0	0779.5
	45	17 347.8	1 550 145.1	17 004.1	1 560 263.0	16 659.8	0381.0	16 314.7	0499.1
70	50	09 213.7	1 549 872.5	08 878.9	1 559 990.1	08 543.4	1 570 108.0	08 207.2	1 580 225.8
78	55	1 301 079.4	9607.0	1 300 753.3	9724.4	1 300 426.6	1 569 842.0	1 300 099.2	1 579 959.6
86									
94	00	1 292 944.8	1 549 348.5	1 292 627.5	1 559 465.8	1 292 309.7	1 569 583.1	1 291 991.2	1 579 700.5
102	05	84 810.0	9097.1	84 501.5	9214.2	84 192.5	9331.2	83 882.9	9448.4
110	10	76 675.0	8852.9	76 375.4	8969.7	76 075.2	9086.6	75 774.4	9203.5
118	15	68 539.8	8615.6	68 248.9	8732.2	67 957.5	8848.9	67 665.6	8965.7
	20	60 404.2	8385.5	60 122.2	8501.9	59 839.7	8618.4	59 556.7	8735.0
	25	52 268.6	8162.4	51 995.5	8278.7	51 721.7	8395.0	51 447.6	8511.4
	30	44 132.9	7946.5	43 868.5	8062.5	43 603.6	8178.6	43 338.3	8294.9
	35	35 996.9	7737.7	35 741.3	7853.5	35 485.3	7969.4	35 228.8	8085.4
	40	27 860.7	7535.8	27 613.9	7651.5	27 366.7	7767.2	27 119.1	7883.1
	45	19 724.3	7341.2	19 486.4	7456.6	19 248.0	7572.2	19 009.3	7687.9
71	50	11 587.8	7153.5	11 358.7	7268.8	11 129.1	7384.2	10 899.2	7499.8
79	55	1 203 451.1	6972.8	1 203 230.9	7088.0	1 203 010.2	7203.4	1 202 789.1	7318.7
87									
95	00	1 195 314.2	1 546 799.4	1 195 102.8	1 556 914.4	1 194 890.9	1 567 029.6	1 194 678.7	1 577 144.8
103	05	87 177.2	6633.0	86 974.5	6747.9	86 771.6	6862.9	86 568.2	6978.0
111	10	79 040.1	6473.7	78 846.3	6588.4	78 652.2	6703.3	78 457.6	6818.3
119	15	70 902.8	6321.4	70 717.8	6436.0	70 532.5	6550.7	70 346.8	6665.6
	20	62 765.5	6176.3	62 589.3	6290.8	62 412.8	6405.4	62 235.9	6520.1
	25	54 627.9	6038.2	54 460.5	6152.6	54 292.8	6267.1	54 124.8	6381.7
	30	46 490.3	5907.2	46 331.8	6021.5	46 172.9	6135.9	46 013.7	6250.3
	35	38 352.6	5783.3	38 202.8	5897.5	38 052.8	6011.7	37 902.4	6126.1
	40	30 214.8	5666.5	30 073.8	5780.5	29 932.6	5894.7	29 791.1	6009.0
	45	22 076.8	5556.7	21 944.7	5670.6	21 812.3	5784.7	21 679.6	5898.9
72	50	13 938.8	5454.1	13 815.6	5567.9	13 691.8	5681.9	13 568.1	5796.0
80	55	1 105 800.6	5358.4	1 105 686.1	5472.2	1 105 571.3	5586.2	1 105 456.4	5700.2
88									
96	00	1 097 662.4	1 545 269.9	1 097 556.7	1 555 383.7	1 097 450.8	1 565 497.5	1 097 344.7	1 575 611.4
104	05	89 524.0	5188.5	89 427.0	5302.2	89 329.9	5416.0	89 232.7	5529.8
112	10	81 385.6	5114.1	81 297.4	5227.7	81 209.2	5341.5	81 120.8	5455.3
120	15	73 247.1	5046.9	73 167.8	5160.4	73 088.4	5274.0	73 008.8	5387.8
	20	65 108.7	4986.7	65 038.2	5100.2	64 967.6	5213.7	64 896.9	5327.5
	25	56 970.3	4933.6	56 908.6	5047.0	56 846.8	5160.5	56 784.9	5274.2
	30	48 831.9	4887.5	48 779.0	5000.9	48 726.1	5114.5	48 673.0	5228.1
	35	40 693.2	4848.7	40 649.0	4962.0	40 605.1	5075.4	40 560.8	5189.0
	40	32 554.6	4816.7	32 519.2	4930.1	32 484.1	5043.5	32 448.6	5157.1
	45	24 416.0	4791.9	24 389.4	4905.3	24 363.1	5018.7	24 336.5	5132.2
73	50	16 277.3	4774.2	16 259.6	4887.6	16 242.0	5001.0	16 224.3	5114.5
81	55	08 138.6	4763.6	08 129.8	4876.9	08 120.9	4990.3	08 112.2	5103.8
89									
97	00	1 000 000.0	1 544 760.1	1 000 000.0	1 554 873.4	1 000 000.0	1 564 986.8	1 000 000.0	1 575 100.3
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 36° 45′.		Lat. 36° 50′.		Lat. 36° 55′.		Lat. 37° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 544 760.1	1 000 000.0	1 554 873.4	1 000 000.0	1 564 986.8	1 000 000.0	1 575 100.3
105	05	991 861.4	4763.6	991 870.2	4876.9	991 879.1	4990.3	991 887.8	5103.8
113	10	83 722.7	4774.3	83 740.4	4887.6	83 758.0	5001.0	83 775.7	5114.5
121	15	75 584.0	4791.9	75 610.6	4905.3	75 636.9	5018.7	75 663.5	5132.2
	20	67 445.4	4816.7	67 480.8	4930.1	67 515.9	5043.5	67 551.4	5157.1
	25	59 306.8	4848.7	59 351.0	4962.0	59 394.9	5075.4	59 439.2	5189.0
	30	51 168.1	4887.5	51 221.0	5000.9	51 273.9	5114.5	51 327.0	5228.1
	35	43 029.7	4933.6	43 091.4	5047.0	43 153.2	5160.5	43 215.1	5274.2
	40	34 891.3	4986.7	34 961.8	5100.2	35 032.4	5213.7	35 103.1	5327.5
	45	26 752.9	5046.9	26 832.2	5160.4	26 911.6	5274.0	26 991.2	5387.8
74	50	18 614.4	5114.1	18 702.6	5227.7	18 790.8	5341.5	18 879.2	5455.3
82	55	10 476.0	5188.5	10 573.0	5302.2	10 670.1	5416.0	10 767.3	5529.8
90									
98	00	902 337.6	1 545 269.9	902 443.3	1 555 383.7	902 549.2	1 565 497.5	902 655.3	1 575 611.4
106	05	894 199.4	5358.4	894 313.9	5472.2	894 428.7	5586.2	894 543.6	5700.2
114	10	86 061.2	5454.1	86 184.4	5567.9	86 308.2	5681.9	86 431.9	5796.0
122	15	77 923.2	5556.7	78 055.3	5670.6	78 187.7	5784.7	78 320.4	5898.9
	20	69 785.2	5666.5	69 926.2	5780.5	70 067.4	5894.7	70 208.9	6009.0
	25	61 647.4	5783.3	61 797.2	5897.5	61 947.2	6011.7	62 097.6	6126.1
	30	53 509.7	5907.2	53 668.2	6021.5	53 827.1	6135.9	53 986.3	6250.3
	35	45 372.1	6038.2	45 539.5	6152.6	45 707.2	6267.1	45 875.2	6381.7
	40	37 234.5	6176.3	37 410.7	6290.8	37 587.2	6405.4	37 764.1	6520.1
	45	29 097.2	6321.4	29 282.2	6436.0	29 467.5	6550.7	29 653.2	6665.6
75	50	20 959.9	6473.7	21 153.7	6588.4	21 347.8	6703.3	21 542.4	6818.3
83	55	12 822.8	6633.0	13 025.5	6747.9	13 228.4	6862.9	13 431.8	6978.0
91									
99	00	804 685.8	1 546 799.4	804 897.2	1 556 914.4	805 109.1	1 567 029.6	805 321.3	1 577 144.8
107	05	796 548.9	6972.8	796 769.1	7088.0	796 989.8	7203.4	797 210.9	7318.7
115	10	88 412.2	7153.5	88 641.3	7268.8	88 870.9	7384.2	89 100.8	7499.8
123	15	80 275.7	7341.2	80 513.6	7456.6	80 752.0	7572.2	80 990.7	7687.9
	20	72 139.3	7535.8	72 386.1	7651.5	72 633.3	7767.2	72 880.9	7883.1
	25	64 003.1	7737.7	64 258.7	7853.5	64 514.7	7969.4	64 771.2	8085.4
	30	55 867.1	7946.5	56 131.5	8062.5	56 396.4	8178.6	56 661.7	8294.9
	35	47 731.4	8162.4	48 004.5	8278.7	48 278.3	8395.0	48 552.4	8511.4
	40	39 595.8	8385.5	39 877.8	8501.9	40 160.3	8618.4	40 443.3	8735.0
	45	31 460.2	8615.6	31 751.1	8732.2	32 042.5	8848.9	32 334.4	8965.7
76	50	23 325.0	8852.9	23 624.6	8969.7	23 924.8	9086.6	24 225.6	9203.5
84	55	15 190.0	9097.1	15 498.5	9214.2	15 807.5	9331.2	16 117.1	9448.4
92									
100	00	707 055.2	1 549 348.5	707 372.5	1 559 465.8	707 690.3	1 569 583.1	708 008.8	1 579 700.5
108	05	698 920.6	9607.0	699 246.7	9724.4	699 573.4	1 569 842.0	699 900.8	1 579 959.6
116	10	90 786.3	1 549 872.5	91 121.1	1 559 990.1	91 456.6	1 570 108.0	91 792.8	1 580 225.8
124	15	82 652.2	1 550 145.1	82 995.9	1 560 263.0	83 340.2	0381.0	83 685.3	0499.1
	20	74 518.2	0424.8	74 870.9	0542.9	75 224.1	0661.3	75 578.0	0779.5
	25	66 384.7	0711.6	66 746.0	0830.0	67 108.0	0948.5	67 470.8	1067.0
	30	58 251.4	1005.4	58 621.5	1124.1	58 992.4	1242.8	59 364.0	1361.6
	35	50 118.2	1306.4	50 497.2	1425.3	50 876.9	1544.3	51 257.4	1663.3
	40	41 985.4	1614.4	42 373.2	1733.6	42 761.8	1852.8	43 151.1	1972.1
	45	33 852.7	1929.5	34 249.4	2049.0	34 646.7	2168.5	35 045.0	2288.0
77	50	25 720.4	2251.7	26 125.9	2371.5	26 532.2	2491.2	26 939.2	2611.0
85	55	17 588.4	2580.9	18 002.7	2701.0	18 417.8	2821.0	18 833.8	2941.1
93									
101	00	609 456.7	1 552 917.3	609 879.8	1 563 037.6	610 303.8	1 573 158.0	610 728.5	1 583 278.3
109	05	601 325.2	3260.7	601 757.2	3381.3	602 190.2	3501.9	602 623.7	3622.6
117	10	593 194.1	3611.2	593 634.9	3732.1	594 076.5	3853.1	594 519.0	3974.1
125	15	85 063.3	3968.8	85 513.0	4090.0	85 963.3	4211.2	86 414.8	4332.5
	20	76 932.8	4333.5	77 391.2	4455.0	77 850.8	4576.6	78 310.8	4698.1
	25	68 802.7	4705.3	69 270.0	4827.1	69 738.2	4949.0	70 207.2	5070.8
	30	560 672.7	1 555 084.0	561 148.9	1 565 206.2	561 625.8	1 575 328.4	562 103.8	1 585 450.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 00′.		Lat. 37° 05′.		Lat. 37° 10′.		Lat. 37° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 437 896.2	1 585 450.6	1 437 417.2	1 595 572.9	1 436 937.3	1 605 695.4	1 436 456.5	1 615 817.8
100	35	29 792.8	5070.8	29 322.7	5192.8	28 851.7	5315.0	28 379.7	5437.2
108	40	21 689.2	4698.1	21 227.9	4819.9	20 765.9	4941.7	20 302.9	5063.5
116	45	13 585.2	4332.5	13 132.8	4453.9	12 679.7	4575.5	12 225.6	4697.0
69	50	1 405 481.0	3974.1	1 405 037.5	4095.1	1 404 593.2	4216.3	1 404 148.1	4337.6
77	55	1 397 376.3	3622.6	1 396 941.8	3743.4	1 396 506.4	3864.4	1 396 070.1	3985.3
85									
93	00	1 389 271.5	1 583 278.3	1 388 845.8	1 593 398.9	1 388 419.3	1 603 519.5	1 387 991.9	1 613 640.1
101	05	81 166.2	2941.1	80 749.4	3061.4	80 331.9	3181.7	79 913.5	3302.1
109	10	73 060.8	2611.0	72 652.9	2731.1	72 244.1	2851.1	71 834.6	2971.2
117	15	64 955.0	2288.0	64 555.9	2407.7	64 156.1	2527.5	63 755.5	2647.4
	20	56 848.9	1972.1	56 458.7	2091.6	56 067.8	2211.1	55 676.1	2330.7
	25	48 742.6	1663.3	48 361.4	1782.5	47 979.4	1901.8	47 596.5	2021.2
	30	40 636.0	1361.6	40 263.6	1480.5	39 890.4	1599.6	39 516.6	1718.7
	35	32 529.2	1067.0	32 165.6	1185.7	31 801.4	1304.5	31 436.4	1423.4
	40	24 422.0	0779.5	24 067.3	0897.9	23 712.1	1016.6	23 356.0	1135.2
	45	16 314.7	0499.1	15 968.9	0617.3	15 622.5	0735.6	15 275.3	0854.1
70	50	08 207.2	1 580 225.8	1 307 870.2	0343.8	1 307 532.6	0461.9	1 307 194.4	0580.1
78	55	1 300 099.2	1 579 959.6	1 299 771.3	1 590 077.3	1 299 442.6	1 600 195.2	1 299 113.4	0313.2
86									
94	00	1 291 991.2	1 579 700.5	1 291 672.1	1 589 818.1	1 291 352.3	1 599 935.7	1 291 031.9	1 610 053.5
102	05	83 882.9	9448.4	83 572.6	9565.7	83 261.7	9683.2	82 950.2	1 609 800.8
110	10	75 774.4	9203.5	75 473.0	9320.6	75 171.1	9437.9	74 868.4	9555.3
118	15	67 665.6	8965.7	67 373.1	9082.6	67 080.0	9199.7	66 786.3	9317.0
	20	59 556.7	8735.0	59 273.0	8851.7	58 988.8	8968.6	58 704.1	9085.6
	25	51 447.6	8511.4	51 172.8	8627.9	50 897.4	8744.6	50 621.5	8861.4
	30	43 338.3	8294.9	43 072.4	8411.2	42 805.9	8527.7	42 538.9	8644.3
	35	35 228.8	8085.4	34 971.7	8201.6	34 714.2	8318.0	34 456.1	8434.4
	40	27 119.1	7883.1	26 870.9	7999.1	26 622.2	8115.3	26 373.0	8231.6
	45	19 009.3	7687.9	18 770.0	7803.8	18 530.2	7919.7	18 289.9	8035.9
71	50	10 899.2	7499.8	10 668.8	7615.5	10 437.8	7731.3	10 206.5	7847.3
79	55	1 202 789.1	7318.7	1 202 567.5	7434.3	1 202 345.5	7550.0	1 202 122.9	7665.8
87									
95	00	1 194 678.7	1 577 144.8	1 194 466.0	1 587 260.3	1 194 252.8	1 597 375.8	1 194 039.3	1 607 491.5
103	05	86 568.2	6978.0	86 364.3	7093.3	86 160.0	7208.7	85 955.4	7324.2
111	10	78 457.6	6818.3	78 262.6	6933.4	78 067.2	7048.7	77 871.4	7164.1
119	15	70 346.8	6665.6	70 160.6	6780.7	69 974.1	6895.8	69 787.3	7011.1
	20	62 235.9	6520.1	62 058.7	6635.0	61 881.0	6750.0	61 703.1	6865.2
	25	54 124.8	6381.7	53 956.5	6496.5	53 787.7	6611.4	53 618.7	6726.5
	30	46 013.7	6250.3	45 854.2	6365.0	45 694.4	6479.8	45 534.2	6594.8
	35	37 902.4	6126.1	37 751.7	6240.7	37 600.8	6355.4	37 449.5	6470.3
	40	29 791.1	6009.0	29 649.3	6123.4	29 507.2	6238.1	29 364.9	6352.8
	45	21 679.6	5898.9	21 546.6	6013.3	21 413.4	6127.9	21 280.0	6242.5
72	50	13 568.1	5796.0	13 444.0	5910.3	13 319.7	6024.8	13 195.1	6139.4
80	55	1 105 456.4	5700.2	1 105 341.2	5814.4	1 105 225.8	5928.8	1 105 110.1	6043.3
88									
96	00	1 097 344.7	1 575 611.4	1 097 238.4	1 585 725.6	1 097 131.8	1 595 839.9	1 097 025.0	1 605 954.3
104	05	89 232.7	5529.8	89 135.3	5643.8	89 037.6	5758.1	88 939.7	5872.5
112	10	81 120.8	5455.3	81 032.2	5569.3	80 943.4	5683.5	80 854.4	5797.8
120	15	73 008.8	5387.8	72 929.1	5501.7	72 849.2	5615.9	72 769.1	5730.2
	20	64 896.9	5327.5	64 826.0	5441.4	64 755.0	5555.4	64 683.8	5669.6
	25	56 784.9	5274.2	56 722.9	5388.1	56 660.8	5502.1	56 598.5	5616.3
	30	48 673.0	5228.1	48 619.8	5341.9	48 566.6	5455.9	48 513.2	5570.0
	35	40 560.8	5189.0	40 516.5	5302.8	40 472.2	5416.8	40 427.7	5530.9
	40	32 448.6	5157.1	32 413.2	5270.8	32 377.8	5384.8	32 342.2	5498.9
	45	24 336.5	5132.2	24 309.9	5246.0	24 283.4	5359.9	24 256.7	5473.9
73	50	16 224.3	5114.5	16 206.6	5228.2	16 188.9	5342.1	16 171.1	5456.1
81	55	08 112.2	5103.8	08 103.3	5217.6	08 094.5	5331.5	08 085.5	5445.5
89									
97	00	1 000 000.0	1 575 100.3	1 000 000.0	1 585 214.0	1 000 000.0	1 595 327.9	1 000 000.0	1 605 441.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 00′.		Lat. 37° 05′.		Lat. 37° 10′.		Lat. 37° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 575 100.3	1 000 000.0	1 585 214.0	1 000 000.0	1 595 327.9	1 000 000.0	1 605 441.9
105	05	991 887.8	5103.8	991 896.7	5217.6	991 905.5	5331.5	991 914.5	5445.5
113	10	83 775.7	5114.5	83 793.4	5228.2	83 811.1	5342.1	83 828.9	5456.1
121	15	75 663.5	5132.2	75 690.1	5246.0	75 716.6	5359.9	75 743.3	5473.9
	20	67 551.4	5157.1	67 586.8	5270.8	67 622.2	5384.8	67 657.8	5498.9
	25	59 439.2	5189.0	59 483.5	5302.8	59 527.8	5416.8	59 572.3	5530.9
	30	51 327.0	5228.1	51 380.2	5341.9	51 433.4	5455.9	51 486.8	5570.0
	35	43 215.1	5274.2	43 277.1	5388.1	43 339.2	5502.1	43 401.5	5616.3
	40	35 103.1	5327.5	35 174.0	5441.4	35 245.0	5555.4	35 316.2	5669.6
	45	26 991.2	5387.8	27 070.9	5501.7	27 150.8	5615.9	27 230.9	5730.2
74	50	18 879.2	5455.3	18 967.8	5569.3	19 056.6	5683.5	19 145.6	5797.8
82	55	10 767.3	5529.8	10 864.7	5643.8	10 962.4	5758.1	11 060.3	5872.5
90									
98	00	902 655.3	1 575 611.4	902 761.6	1 585 725.6	902 868.2	1 595 839.9	902 975.0	1 605 954.3
106	05	894 543.6	5700.2	894 658.8	5814.4	894 774.2	5928.8	894 889.9	6043.3
114	10	86 431.9	5796.0	86 556.0	5910.3	86 680.3	6024.8	86 804.9	6139.4
122	15	78 320.4	5898.9	78 453.4	6013.3	78 586.6	6127.9	78 720.0	6242.5
	20	70 208.9	6009.0	70 350.7	6123.4	70 492.8	6238.1	70 635.1	6352.8
	25	62 097.6	6126.1	62 248.3	6240.7	62 399.2	6355.4	62 550.5	6470.3
	30	53 986.3	6250.3	54 145.8	6365.0	54 305.6	6479.8	54 465.8	6594.8
	35	45 875.2	6381.7	46 043.5	6496.5	46 212.3	6611.4	46 381.3	6726.5
	40	37 764.1	6520.1	37 941.3	6635.0	38 119.0	6750.0	38 296.9	6865.2
	45	29 653.2	6665.6	29 839.4	6780.7	30 025.9	6895.8	30 212.7	7011.1
75	50	21 542.4	6818.3	21 737.4	6933.4	21 932.8	7048.7	22 128.6	7164.1
83	55	13 431.8	6978.0	13 635.7	7093.3	13 840.0	7208.7	14 044.6	7324.2
91									
99	00	805 321.3	1 577 144.8	805 534.0	1 587 260.3	805 747.2	1 597 375.8	805 960.7	1 607 491.5
107	05	797 210.9	7318.7	797 432.5	7434.3	797 654.5	7550.0	797 877.1	7665.8
115	10	89 100.8	7499.8	89 331.2	7615.5	89 562.2	7731.3	89 793.5	7847.3
123	15	80 990.7	7687.9	81 230.0	7803.8	81 469.8	7919.7	81 710.1	8035.9
	20	72 880.9	7883.1	73 129.1	7999.1	73 377.8	8115.3	73 627.0	8231.6
	25	64 771.2	8085.4	65 028.3	8201.6	65 285.8	8318.0	65 543.9	8434.4
	30	56 661.7	8294.9	56 927.6	8411.2	57 194.1	8527.7	57 461.1	8644.3
	35	48 552.4	8511.4	48 827.2	8627.9	49 102.6	8744.6	49 378.5	8861.4
	40	40 443.3	8735.0	40 727.0	8851.7	41 011.2	8968.6	41 295.9	9085.6
	45	32 334.4	8965.7	32 626.9	9082.6	32 920.0	9199.7	33 213.7	9317.0
76	50	24 225.6	9203.5	24 527.0	9320.6	24 828.9	9437.9	25 131.6	9555.3
84	55	16 117.1	9448.4	16 427.4	9565.7	16 738.3	9683.2	17 049.8	1 609 800.8
92									
100	00	708 008.8	1 579 700.5	708 327.9	1 589 818.1	708 647.7	1 599 935.7	708 968.1	1 610 053.5
108	05	699 900.8	1 579 959.6	700 228.7	1 590 077.3	700 557.4	1 600 195.2	700 886.6	0313.2
116	10	91 792.8	1 580 225.8	692 129.8	0343.8	692 467.4	0461.9	692 805.6	0580.1
124	15	83 685.3	0499.1	84 031.1	0617.3	84 377.5	0735.6	84 724.7	0854.1
	20	75 578.0	0779.5	75 932.7	0897.9	76 287.9	1016.6	76 644.0	1135.2
	25	67 470.8	1067.0	67 834.4	1185.7	68 198.6	1304.5	68 563.6	1423.4
	30	59 364.0	1361.6	59 736.4	1480.5	60 109.6	1599.6	60 483.4	1718.7
	35	51 257.4	1663.3	51 638.6	1782.5	52 020.6	1901.8	52 403.5	2021.2
	40	43 151.1	1972.1	43 541.3	2091.6	43 932.2	2211.1	44 323.9	2330.7
	45	35 045.0	2288.0	35 444.1	2407.7	35 843.9	2527.5	36 244.5	2647.4
77	50	26 939.2	2611.0	27 347.1	2731.1	27 755.9	2851.1	28 165.4	2971.2
85	55	18 833.8	2941.1	19 250.6	3061.4	19 668.1	3181.7	20 086.5	3302.1
93									
101	00	610 728.5	1 583 278.3	611 154.2	1 593 398.9	611 580.7	1 603 519.5	612 008.1	1 613 640.1
109	05	602 623.7	3622.6	603 058.2	3743.4	603 493.6	3864.4	603 929.9	3985.3
117	10	594 519.0	3974.1	594 962.5	4095.1	595 406.8	4216.3	595 851.9	4337.6
125	15	86 414.8	4332.5	86 867.2	4453.9	87 320.3	4575.5	87 774.4	4697.0
	20	78 310.8	4698.1	78 772.1	4819.9	79 234.1	4941.7	79 697.1	5063.5
	25	70 207.2	5070.8	70 677.3	5192.8	71 148.3	5315.0	71 620.3	5437.2
	30	562 103.8	1 585 450.6	562 582.8	1 595 572.9	563 062.7	1 605 695.4	563 543.5	1 615 817.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 15′.		Lat. 37° 20′.		Lat. 37° 25′.		Lat. 37° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 436 456.5	1 615 817.8	1 435 974.6	1 625 940.3	1 435 492.0	1 636 062.9	1 435 008.6	1 646 185.6
100	35	28 379.7	5437.2	27 906.9	5559.3	27 433.3	5681.6	26 958.7	5804.0
108	40	20 302.9	5063.5	19 839.0	5185.4	19 374.3	5307.4	18 908.7	5429.4
116	45	12 225.6	4697.0	11 770.7	4818.5	11 315.0	4940.3	10 858.3	5062.1
69	50	1 404 148.1	4337.6	1 403 702.0	4458.9	1 403 255.3	4580.3	1 402 807.7	4701.8
77	55	1 396 070.1	3985.3	1 395 633.0	4106.3	1 395 195.2	4227.4	1 394 756.5	4348.7
85									
93	00	1 387 991.9	1 613 640.1	1 387 563.8	1 623 760.9	1 387 134.9	1 633 881.8	1 386 705.2	1 644 002.7
101	05	79 913.5	3302.1	79 494.3	3422.6	79 074.4	3543.1	78 653.5	3663.9
109	10	71 834.6	2971.2	71 424.4	3091.4	71 013.4	3211.7	70 601.6	3332.2
117	15	63 755.5	2647.4	63 354.2	2767.4	62 952.2	2887.4	62 549.4	3007.6
	20	55 676.1	2330.7	55 283.7	2450.4	54 890.6	2570.1	54 496.8	2690.1
	25	47 596.5	2021.2	47 213.0	2140.6	46 828.8	2260.1	46 444.0	2379.8
	30	39 516.6	1718.7	39 142.0	1837.9	38 766.8	1957.2	38 390.9	2076.6
	35	31 436.4	1423.4	31 070.8	1542.3	30 704.5	1661.3	30 337.6	1780.6
	40	23 356.0	1135.2	22 999.2	1253.8	22 641.9	1372.7	22 283.9	1491.7
	45	15 275.3	0854.1	14 927.5	0972.5	14 579.2	1091.1	14 230.1	1209.9
70	50	1 307 194.4	0580.1	1 306 855.6	0698.3	1 306 516.2	0816.7	1 306 176.1	0935.3
78	55	1 299 113.4	0313.2	1 298 783.6	0431.3	1 298 452.8	0549.5	1 298 121.7	0667.8
86									
94	00	1 291 031.9	1 610 053.5	1 290 710.9	1 620 171.3	1 290 389.3	1 630 289.2	1 290 067.1	1 640 407.4
102	05	82 950.2	1 609 800.8	82 638.1	1 619 918.4	82 325.4	1 630 036.2	82 012.3	1 640 154.1
110	10	74 868.4	9555.3	74 565.2	9672.7	74 261.4	1 629 790.2	73 957.3	1 639 908.0
118	15	66 786.3	9317.0	66 492.1	9434.2	66 197.3	9551.5	65 902.1	9669.1
	20	58 704.1	9085.6	58 418.7	9202.7	58 132.9	9319.8	57 846.6	9437.2
	25	50 621.5	8861.4	50 345.1	8978.3	50 068.3	9095.3	49 791.0	9212.5
	30	42 538.9	8644.3	42 271.5	8761.0	42 003.5	8877.9	41 735.1	8994.9
	35	34 456.1	8434.4	34 197.6	8550.9	33 938.6	8667.7	33 679.1	8784.5
	40	26 373.0	8231.6	26 123.4	8347.9	25 873.4	8464.4	25 622.9	8581.2
	45	18 289.9	8035.9	18 049.2	8152.1	17 808.0	8268.5	17 566.4	8385.0
71	50	10 206.5	7847.3	09 974.7	7963.3	09 742.5	8079.6	09 509.9	8196.0
79	55	1 202 122.9	7665.8	1 201 900.1	7781.7	1 201 676.8	7897.8	1 201 453.2	8014.1
87									
95	00	1 194 039.3	1 607 491.5	1 193 825.4	1 617 607.2	1 193 611.1	1 627 723.1	1 193 396.4	1 637 839.3
103	05	85 955.4	7324.2	85 750.3	7439.9	85 545.0	7555.7	85 339.2	7671.6
111	10	77 871.4	7164.1	77 675.3	7279.6	77 478.8	7395.3	77 282.0	7511.1
119	15	69 787.3	7011.1	69 600.1	7126.5	69 412.6	7242.0	69 224.7	7357.8
	20	61 703.1	6865.2	61 524.8	6980.4	61 346.2	7095.9	61 167.3	7211.5
	25	53 618.7	6726.5	53 449.3	6841.6	53 279.6	6956.9	53 109.7	7072.4
	30	45 534.2	6594.8	45 373.8	6709.8	45 213.1	6825.1	45 052.0	6940.4
	35	37 449.5	6470.3	37 298.0	6585.2	37 146.3	6700.3	36 994.1	6815.6
	40	29 364.9	6352.8	29 222.3	6467.8	29 079.4	6582.7	28 936.2	6697.9
	45	21 280.0	6242.5	21 146.3	6357.3	21 012.4	6472.2	20 878.2	6587.3
72	50	13 195.1	6139.4	13 070.3	6254.0	12 945.4	6368.8	12 820.1	6483.9
80	55	1 105 110.1	6043.3	1 104 994.2	6157.8	1 104 878.2	6272.6	1 104 761.9	6387.6
88									
96	00	1 097 025.0	1 605 954.3	1 096 918.1	1 616 068.8	1 096 811.0	1 626 183.5	1 096 703.6	1 636 298.4
104	05	88 939.7	5872.5	88 841.7	5986.9	88 743.5	6101.5	88 645.0	6216.4
112	10	80 854.4	5797.8	80 765.3	5912.1	80 676.0	6026.7	80 586.5	6141.5
120	15	72 769.1	5730.2	72 688.9	5844.5	72 608.6	5958.9	72 528.0	6073.7
	20	64 683.8	5669.6	64 612.5	5783.9	64 541.1	5898.4	64 469.5	6013.1
	25	56 598.5	5616.3	56 536.1	5730.5	56 473.7	5844.9	56 411.0	5959.6
	30	48 513.2	5570.0	48 459.7	5684.2	48 406.2	5798.6	48 352.5	5913.2
	35	40 427.7	5530.9	40 383.0	5645.0	40 338.5	5759.4	40 293.8	5874.0
	40	32 342.2	5498.9	32 306.4	5613.0	32 270.8	5727.3	32 235.0	5841.9
	45	24 256.7	5473.9	24 229.8	5588.0	24 203.1	5702.4	24 176.3	5816.9
73	50	16 171.1	5456.1	16 153.2	5570.2	16 135.4	5684.6	16 117.5	5799.1
81	55	08 085.5	5445.5	08 076.6	5559.6	08 067.7	5673.9	08 058.8	5788.4
89									
97	00	1 000 000.0	1 605 441.9	1 000 000.0	1 615 556.0	1 000 000.0	1 625 670.3	1 000 000.0	1 635 784.8
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 15′.		Lat. 37° 20′.		Lat. 37° 25′.		Lat. 37° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 605 441.9	1 000 000.0	1 615 556.0	1 000 000.0	1 625 670.3	1 000 000.0	1 635 784.8
105	05	991 914.5	5445.5	991 923.4	5559.6	991 932.3	5673.9	991 941.2	5788.4
113	10	83 828.9	5456.1	83 846.8	5570.2	83 864.6	5684.6	83 882.5	5799.1
121	15	75 743.3	5473.9	75 770.2	5588.0	75 796.9	5702.4	75 823.7	5816.9
	20	67 657.8	5498.9	67 693.6	5613.0	67 729.2	5727.3	67 765.0	5841.9
	25	59 572.3	5530.9	59 617.0	5645.0	59 661.5	5759.4	59 706.2	5874.0
	30	51 486.8	5570.0	51 540.3	5684.2	51 593.8	5798.6	51 647.5	5913.2
	35	43 401.5	5616.3	43 463.9	5730.5	43 526.3	5844.9	43 589.0	5959.6
	40	35 316.2	5669.6	35 387.5	5783.9	35 458.9	5898.4	35 530.5	6013.1
	45	27 230.9	5730.2	27 311.1	5844.5	27 391.4	5958.9	27 472.0	6073.7
74	50	19 145.6	5797.8	19 234.7	5912.1	19 324.0	6026.7	19 413.5	6141.5
82	55	11 060.3	5872.5	11 158.3	5986.9	11 256.5	6101.5	11 355.0	6216.4
90									
98	00	902 975.0	1 605 954.3	903 081.9	1 616 068.8	903 189.0	1 626 183.5	903 296.4	1 636 298.4
106	05	894 889.9	6043.3	895 005.8	6157.8	895 121.8	6272.6	895 238.1	6387.6
114	10	86 804.9	6139.4	86 929.7	6254.0	87 054.6	6368.8	87 179.9	6483.9
122	15	78 720.0	6242.5	78 853.7	6357.3	78 987.6	6472.2	79 121.8	6587.3
	20	70 635.1	6352.8	70 777.7	6467.8	70 920.6	6582.7	71 063.8	6697.9
	25	62 550.5	6470.3	62 702.0	6585.2	62 853.7	6700.3	63 005.9	6815.6
	30	54 465.8	6594.8	54 626.2	6709.8	54 786.9	6825.1	54 948.0	6940.4
	35	46 381.3	6726.5	46 550.7	6841.6	46 720.4	6956.9	46 890.3	7072.4
	40	38 296.9	6865.2	38 475.2	6980.4	38 653.8	7095.9	38 832.7	7211.5
	45	30 212.7	7011.1	30 399.9	7126.5	30 587.4	7242.0	30 775.3	7357.8
75	50	22 128.6	7164.1	22 324.7	7279.6	22 521.2	7395.3	22 718.0	7511.1
83	55	14 044.6	7324.2	14 249.7	7439.9	14 455.0	7555.7	14 660.8	7671.6
91									
99	00	805 960.7	1 607 491.5	806 174.6	1 617 607.2	806 388.9	1 627 723.1	806 603.6	1 637 839.3
107	05	797 877.1	7665.8	798 099.9	7781.7	798 323.2	7897.8	798 546.8	8014.1
115	10	89 793.5	7847.3	90 025.3	7963.3	90 257.5	8079.6	90 490.1	8196.0
123	15	81 710.1	8035.9	81 950.8	8152.1	82 192.0	8268.5	82 433.6	8385.0
	20	73 627.0	8231.6	73 876.6	8347.9	74 126.6	8464.4	74 377.1	8581.2
	25	65 543.9	8434.4	65 802.4	8550.9	66 061.4	8667.7	66 320.9	8784.5
	30	57 461.1	8644.3	57 728.5	8761.0	57 996.5	8877.9	58 264.9	8994.9
	35	49 378.5	8861.4	49 654.9	8978.3	49 931.7	9095.3	50 209.0	9212.5
	40	41 295.9	9085.6	41 581.3	9202.7	41 867.1	9319.8	42 153.4	9437.2
	45	33 213.7	9317.0	33 507.9	9434.2	33 802.7	9551.5	34 097.9	9669.1
76	50	25 131.6	9555.3	25 434.8	9672.7	25 738.6	1 629 790.2	26 042.7	1 639 908.0
84	55	17 049.8	1 609 800.8	17 361.9	1 619 918.4	17 674.6	1 630 036.2	17 987.7	1 640 154.1
92									
100	00	708 968.1	1 610 053.5	709 289.1	1 620 171.3	709 610.7	1 630 289.2	709 932.9	1 640 407.4
108	05	700 886.6	0313.2	701 216.4	0431.3	701 547.2	0549.5	701 878.3	0667.8
116	10	692 805.6	0580.1	693 144.4	0698.3	693 483.8	0816.7	693 823.9	0935.3
124	15	84 724.7	0854.1	85 072.5	0972.5	85 420.8	1091.1	85 769.9	1209.9
	20	76 644.0	1135.2	77 000.8	1253.8	77 358.1	1372.7	77 716.1	1491.7
	25	68 563.6	1423.4	68 929.2	1542.3	69 295.5	1661.3	69 662.4	1780.6
	30	60 483.4	1718.7	60 858.0	1837.9	61 233.2	1957.2	61 609.1	2076.6
	35	52 403.5	2021.2	52 787.0	2140.6	53 171.2	2260.1	53 556.0	2379.8
	40	44 323.9	2330.7	44 716.3	2450.4	45 109.4	2570.1	45 503.2	2690.1
	45	36 244.5	2647.4	36 645.8	2767.4	37 047.8	2887.4	37 450.6	3007.6
77	50	28 165.4	2971.2	28 575.6	3091.4	28 986.6	3211.7	29 398.4	3332.2
85	55	20 086.5	3302.1	20 505.7	3422.6	20 925.6	3543.1	21 346.5	3663.9
93									
101	00	612 008.1	1 613 640.1	612 436.2	1 623 760.9	612 865.1	1 633 881.8	613 294.8	1 644 002.7
109	05	603 929.9	3985.3	604 367.0	4106.3	604 804.8	4227.4	605 243.5	4348.7
117	10	595 851.9	4337.6	596 298.0	4458.9	596 744.7	4580.3	597 192.3	4701.8
125	15	87 774.4	4697.0	88 229.3	4818.5	88 685.0	4940.3	89 141.7	5062.1
	20	79 697.1	5063.5	80 161.0	5185.4	80 625.7	5307.4	81 091.3	5429.4
	25	71 620.3	5437.2	72 093.1	5559.3	72 566.7	5681.6	73 041.3	5804.0
	30	563 543.5	1 615 817.8	564 025.4	1 625 940.3	564 508.0	1 636 062.9	564 991.4	1 646 185.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 30′.		Lat. 37° 35′.		Lat. 37° 40′.		Lat. 37° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 435 008.6	1 646 185.6	1 434 524.0	1 656 308.2	1 434 038.6	1 666 431.1	1 433 552.2	1 676 553.8
100	35	26 958.7	5804.0	26 483.2	5926.3	26 006.8	6048.8	25 529.4	6171.3
108	40	18 908.7	5429.4	18 442.2	5551.5	17 974.8	5673.7	17 506.4	5795.9
116	45	10 858.3	5062.1	10 400.7	5183.7	09 942.3	5305.7	09 483.1	5427.6
69	50	1 402 807.7	4701.8	1 402 359.1	4823.2	1 401 909.6	4944.9	1 401 459.4	5066.5
77	55	1 394 756.5	4348.7	1 394 316.9	4469.9	1 393 876.5	4591.3	1 393 435.2	4712.6
85									
93	00	1 386 705.2	1 644 002.7	1 386 274.6	1 654 123.6	1 385 843.1	1 664 244.8	1 385 410.9	1 674 365.8
101	05	78 653.5	3663.9	78 231.9	3784.5	77 809.4	3905.4	77 386.2	4026.2
109	10	70 601.6	3332.2	70 188.9	3452.5	69 775.5	3573.2	69 361.4	3693.7
117	15	62 549.4	3007.6	62 145.7	3127.7	61 741.3	3248.1	61 336.1	3368.3
	20	54 496.8	2690.1	54 102.1	2810.0	53 706.7	2930.2	53 310.5	3050.2
	25	46 444.0	2379.8	46 058.3	2499.5	45 671.9	2619.4	45 284.7	2739.2
	30	38 390.9	2076.6	38 014.2	2196.0	37 636.7	2315.7	37 258.6	2435.3
	35	30 337.6	1780.6	29 969.8	1899.7	29 601.4	2019.2	29 232.2	2138.6
	40	22 283.9	1491.7	21 925.2	1610.6	21 565.8	1729.8	21 205.6	1849.0
	45	14 230.1	1209.9	13 880.4	1328.7	13 529.9	1447.6	13 178.8	1566.6
70	50	1 306 176.1	0935.3	1 305 835.2	1053.8	1 305 493.8	1172.6	1 305 151.7	1291.3
78	55	1 298 121.7	0667.8	1 297 789.9	0786.1	1 297 457.4	0904.6	1 297 124.3	1023.1
86									
94	00	1 290 067.1	1 640 407.4	1 289 744.3	1 650 525.5	1 289 420.8	1 660 643.9	1 289 096.7	1 670 762.2
102	05	82 012.3	1 640 154.1	81 698.5	0272.0	81 384.0	0390.2	81 068.9	0508.3
110	10	73 957.3	1 639 908.0	73 652.6	1 650 025.7	73 346.9	1 660 143.7	73 040.8	0261.7
118	15	65 902.1	9669.1	65 606.1	1 649 786.6	65 309.6	1 659 904.4	65 012.5	1 670 022.1
	20	57 846.6	9437.2	57 559.6	9554.5	57 272.1	9672.2	56 984.0	1 669 789.7
	25	49 791.0	9212.5	49 513.0	9329.7	49 234.5	9447.1	48 955.4	9564.6
	30	41 735.1	8994.9	41 466.1	9111.9	41 196.6	9229.1	40 926.6	9346.4
	35	33 679.1	8784.5	33 419.2	8901.3	33 158.7	9018.3	32 897.5	9135.5
	40	25 622.9	8581.2	25 371.8	8697.9	25 120.3	8814.7	24 868.2	8931.8
	45	17 566.4	8385.0	17 324.3	8501.5	17 081.8	8618.2	16 838.8	8735.1
71	50	09 509.9	8196.0	09 276.8	8312.3	09 043.2	8428.7	08 809.2	8545.6
79	55	1 201 453.2	8014.1	1 201 229.0	8130.3	1 201 004.4	8246.6	1 200 779.4	8363.3
87									
95	00	1 193 396.4	1 637 839.3	1 193 181.1	1 647 955.4	1 192 965.5	1 658 071.6	1 192 749.4	1 668 188.2
103	05	85 339.2	7671.6	85 132.9	7787.6	84 926.3	7903.8	84 719.3	8020.1
111	10	77 282.0	7511.1	77 084.3	7626.9	76 887.1	7742.9	76 689.1	7859.2
119	15	69 224.7	7357.8	69 036.4	7473.5	68 847.7	7589.4	68 658.7	7705.5
	20	61 167.3	7211.5	60 988.0	7327.1	60 808.3	7443.0	60 628.3	7559.0
	25	53 109.7	7072.4	52 939.3	7187.9	52 768.6	7303.6	52 597.6	7419.5
	30	45 052.0	6940.4	44 890.6	7055.8	44 728.9	7171.4	44 566.9	7287.2
	35	36 994.1	6815.6	36 841.7	6930.9	36 688.9	7046.4	36 536.0	7162.1
	40	28 936.2	6697.9	28 792.8	6813.1	28 649.0	6928.5	28 505.1	7044.1
	45	20 878.2	6587.3	20 743.7	6702.5	20 608.9	6817.8	20 474.0	6933.3
72	50	12 820.1	6483.9	12 694.6	6598.9	12 568.8	6714.2	12 442.9	6829.6
80	55	1 104 761.9	6387.6	1 104 645.3	6502.6	1 104 528.5	6617.9	1 104 411.6	6733.1
88									
96	00	1 096 703.6	1 636 298.4	1 096 596.0	1 646 413.4	1 096 488.2	1 656 528.6	1 096 380.3	1 666 643.7
104	05	88 645.0	6216.4	88 546.4	6331.2	88 447.6	6446.5	88 348.7	6561.5
112	10	80 586.5	6141.5	80 496.9	6256.2	80 407.1	6371.3	80 317.1	6486.4
120	15	72 528.0	6073.7	72 447.3	6188.4	72 366.5	6303.4	72 285.6	6418.4
	20	64 469.5	6013.1	64 397.8	6127.8	64 325.9	6242.7	64 254.0	6357.7
	25	56 411.0	5959.6	56 348.2	6074.2	56 285.4	6189.1	56 222.4	6304.1
	30	48 352.5	5913.2	48 298.7	6027.8	48 244.8	6142.7	48 190.8	6257.6
	35	40 293.8	5874.0	40 248.9	5988.6	40 204.0	6103.4	40 159.0	6218.3
	40	32 235.0	5841.9	32 199.1	5956.4	32 163.2	6071.3	32 127.2	6186.1
	45	24 176.3	5816.9	24 149.4	5931.4	24 122.4	6046.3	24 095.4	6161.1
73	50	16 117.5	5799.1	16 099.6	5913.6	16 081.6	6028.4	16 063.6	6143.2
81	55	08 058.8	5788.4	08 049.8	5902.9	08 040.8	6017.7	08 031.8	6132.5
89									
97	00	1 000 000.0	1 635 784.8	1 000 000.0	1 645 899.3	1 000 000.0	1 656 014.1	1 000 000.0	1 666 128.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 30′.		Lat. 37° 35′.		Lat. 37° 40′.		Lat. 37° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 635 784.8	1 000 000.0	1 645 899.3	1 000 000.0	1 656 014.1	1 000 000.0	1 666 128.9
105	05	991 941.2	5788.4	991 950.2	5902.9	991 959.2	6017.7	991 968.2	6132.5
113	10	83 882.5	5799.1	83 900.4	5913.6	83 918.4	6028.4	83 936.4	6143.2
121	15	75 823.7	5816.9	75 850.6	5931.4	75 877.6	6046.3	75 904.6	6161.1
	20	67 765.0	5841.9	67 800.9	5956.4	67 836.8	6071.3	67 872.8	6186.1
	25	59 706.2	5874.0	59 751.1	5988.6	59 796.0	6103.4	59 841.0	6218.3
	30	51 647.5	5913.2	51 701.3	6027.8	51 755.2	6142.7	51 809.2	6257.6
	35	43 589.0	5959.6	43 651.8	6074.2	43 714.6	6189.1	43 777.6	6304.1
	40	35 530.5	6013.1	35 602.2	6127.8	35 674.1	6242.7	35 746.0	6357.7
	45	27 472.0	6073.7	27 552.7	6188.4	27 633.5	6303.4	27 714.4	6418.4
74	50	19 413.5	6141.5	19 503.1	6256.2	19 592.9	6371.3	19 682.9	6486.4
82	55	11 355.0	6216.4	11 453.6	6331.2	11 552.4	6446.5	11 651.3	6561.5
90									
98	00	903 296.4	1 636 298.4	903 404.0	1 646 413.4	903 511.8	1 656 528.6	903 619.7	1 666 643.7
106	05	895 238.1	6387.6	895 354.7	6502.6	895 471.5	6617.9	895 588.4	6733.1
114	10	87 179.9	6483.9	87 305.4	6598.9	87 431.2	6714.2	87 557.1	6829.6
122	15	79 121.8	6587.3	79 256.3	6702.5	79 391.1	6817.8	79 526.0	6933.3
	20	71 063.8	6697.9	71 207.2	6813.1	71 351.0	6928.5	71 494.9	7044.1
	25	63 005.9	6815.6	63 158.3	6930.9	63 311.1	7046.4	63 464.0	7162.1
	30	54 948.0	6940.4	55 109.4	7055.8	55 271.1	7171.4	55 433.1	7287.2
	35	46 890.3	7072.4	47 060.7	7187.9	47 231.4	7303.6	47 402.4	7419.5
	40	38 832.7	7211.5	39 012.0	7327.1	39 191.7	7443.0	39 371.7	7559.0
	45	30 775.3	7357.8	30 963.6	7473.5	31 152.3	7589.4	31 341.3	7705.5
75	50	22 718.0	7511.1	22 915.2	7626.9	23 112.9	7742.9	23 310.9	7859.2
83	55	14 660.8	7671.6	14 867.1	7787.6	15 073.7	7903.8	15 280.7	8020.1
91									
99	00	806 603.6	1 637 839.3	806 818.9	1 647 955.4	807 034.5	1 658 071.6	807 250.6	1 668 188.2
107	05	798 546.8	8014.1	798 771.0	8130.3	798 995.6	8246.6	799 220.6	8363.3
115	10	90 490.1	8196.0	90 723.2	8312.3	90 956.8	8428.7	91 190.8	8545.6
123	15	82 433.6	8385.0	82 675.7	8501.5	82 918.2	8618.2	83 161.2	8735.1
	20	74 377.1	8581.2	74 628.2	8697.9	74 879.7	8814.7	75 131.8	8931.8
	25	66 320.9	8784.5	66 580.8	8901.3	66 841.3	9018.3	67 102.5	9135.5
	30	58 264.9	8994.9	58 533.9	9111.9	58 803.4	9229.1	59 073.4	9346.4
	35	50 209.0	9212.5	50 487.0	9329.7	50 765.5	9447.1	51 044.6	9564.6
	40	42 153.4	9437.2	42 440.4	9554.5	42 727.9	9672.2	43 016.0	1 669 789.7
	45	34 097.9	9669.1	34 393.9	1 649 786.6	34 690.4	1 659 904.4	34 987.5	1 670 022.1
76	50	26 042.7	1 639 908.0	26 347.4	1 650 025.7	26 653.1	1 660 143.7	26 959.2	0261.7
84	55	17 987.7	1 640 154.1	18 301.5	0272.0	18 616.0	0390.2	18 931.1	0508.3
92									
100	00	709 932.9	1 640 407.4	710 255.7	1 650 525.5	710 579.2	1 660 643.9	710 903.3	1 670 762.2
108	05	701 878.3	0667.8	702 210.1	0786.1	702 542.6	0904.6	702 875.7	1023.1
116	10	693 823.9	0935.3	694 164.8	1053.8	694 506.2	1172.6	694 848.3	1291.3
124	15	85 769.9	1209.9	86 119.6	1328.7	86 470.1	1447.6	86 821.2	1566.6
	20	77 716.1	1491.7	78 074.8	1610.6	78 434.2	1729.8	78 794.4	1849.0
	25	69 662.4	1780.6	70 030.2	1899.7	70 398.6	2019.2	70 767.8	2138.6
	30	61 609.1	2076.6	61 985.8	2196.0	62 363.3	2315.7	62 741.4	2435.3
	35	53 556.0	2379.8	53 941.7	2499.5	54 328.1	2619.4	54 715.3	2739.2
	40	45 503.2	2690.1	45 897.9	2810.0	46 293.3	2930.2	46 689.5	3050.2
	45	37 450.6	3007.6	37 854.3	3127.7	38 258.7	3248.1	38 663.9	3368.3
77	50	29 398.4	3332.2	29 811.1	3452.5	30 224.5	3573.2	30 638.6	3693.7
85	55	21 346.5	3663.9	21 768.1	3784.5	22 190.6	3905.4	22 613.8	4026.2
93									
101	00	613 294.8	1 644 002.7	613 725.4	1 654 123.6	614 156.9	1 664 244.8	614 589.1	1 674 365.8
109	05	605 243.5	4348.7	605 683.1	4469.9	606 123.5	4591.3	606 564.8	4712.6
117	10	597 192.3	4701.8	597 640.9	4823.2	598 090.4	4944.9	598 540.6	5066.5
125	15	89 141.7	5062.1	89 599.3	5183.7	90 057.7	530c.7	90 516.9	5427.6
	20	81 091.3	5429.4	81 557.8	5551.5	82 025.2	5673.7	82 493.6	5795.9
	25	73 041.3	5804.0	73 516.8	5926.3	73 993.2	6048.8	74 470.6	6171.3
	30	564 991.4	1 646 185.6	565 476.0	1 656 308.2	565 961.4	1 666 431.1	566 447.8	1 676 553.8

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 37° 45′.		Lat. 37° 50′.		Lat. 37° 55′.		Lat. 38° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68								
76								
84								
92 30	1 433 552.2	1 676 553.8	1 433 065.0	1 686 676.7	1 432 576.9	1 696 799.6	1 432 087.9	1 706 922.3
100 35	25 529.4	6171.3	25 051.3	6293.9	24 572.2	6416.5	24 092.3	6538.9
108 40	17 506.4	5795.9	17 037.3	5918.2	16 567.3	6040.5	16 096.4	6162.7
116 45	09 483.1	5427.6	09 022.9	5549.7	08 561.9	5671.8	08 100.2	5793.7
69 50	1 401 459.4	5066.5	1 401 008.3	5188.4	1 400 556.4	5310.1	1 400 103.7	5431.8
77 55	1 393 435.2	4712.6	1 392 993.2	4834.2	1 392 550.4	4955.7	1 392 106.8	5077.0
85								
93 00	1 385 410.9	1 674 365.8	1 384 977.9	1 684 487.1	1 384 544.1	1 694 608.4	1 384 109.6	1 704 729.5
101 05	77 386.2	4026.2	76 962.3	4147.3	76 537.6	4268.2	76 112.1	4389.1
109 10	69 361.4	3693.7	68 946.4	3814.5	68 530.7	3935.2	68 114.2	4055.9
117 15	61 336.1	3368.3	60 930.2	3488.9	60 523.5	3609.4	60 116.2	3729.8
20	53 310.5	3050.2	52 913.6	3170.5	52 516.0	3290.8	52 117.7	3410.9
25	45 284.7	2739.2	44 896.8	2859.3	44 508.2	2979.2	44 119.0	3099.2
30	37 258.6	2435.3	36 879.8	2555.1	36 500.3	2674.9	36 120.1	2794.7
35	29 232.2	2138.6	28 862.4	2258.2	28 492.0	2377.8	28 120.9	2497.3
40	21 205.6	1849.0	20 844.9	1968.4	20 483.5	2087.7	20 121.4	2207.0
45	13 178.8	1566.6	12 827.1	1685.7	12 474.7	1804.9	12 121.7	1924.0
70 50	1 305 151.7	1291.3	1 304 809.0	1410.3	1 304 465.6	1529.2	1 304 121.7	1648.1
78 55	1 297 124.3	1023.1	1 296 790.6	1142.0	1 296 456.3	1260.7	1 296 121.5	1379.4
86								
94 00	1 289 096.7	1 670 762.2	1 288 772.1	1 680 880.8	1 288 446.8	1 690 999.3	1 288 121.0	1 701 117.8
102 05	81 068.9	0508.3	80 753.3	0626.7	80 437.0	0745.1	80 120.3	0863.4
110 10	73 040.8	0261.7	72 734.2	0379.9	72 427.1	0498.1	72 119.4	0616.2
118 15	65 012.5	1 670 022.1	64 715.0	1 680 140.2	64 417.0	0258.2	64 118.2	0376.1
20	56 984.0	1 669 789.7	56 695.5	1 679 907.6	56 406.5	1 690 025.4	56 116.8	1 700 143.2
25	48 955.4	9564.6	48 675.8	9682.2	48 395.8	1 689 799.9	48 115.3	1 699 917.4
30	40 926.6	9346.4	40 656.0	9464.0	40 385.0	9581.5	40 113.5	9698.9
35	32 897.5	9135.5	32 635.9	9252.9	32 374.0	9370.2	32 111.6	9487.5
40	24 868.2	8931.8	24 615.7	9048.9	24 362.9	9166.1	24 109.5	9283.3
45	16 838.8	8735.1	16 595.3	8852.2	16 351.4	8969.2	16 107.1	9086.2
71 50	08 809.2	8545.6	08 574.8	8662.5	08 339.8	8779.4	08 104.7	8896.3
79 55	1 200 779.4	8363.3	1 200 554.0	8480.1	1 200 328.3	8596.8	1 200 102.0	8713.6
87								
95 00	1 192 749.4	1 668 188.2	1 192 533.0	1 678 304.8	1 192 316.3	1 688 421.4	1 192 099.1	1 698 538.0
103 05	84 719.3	8020.1	84 511.9	8136.7	84 304.2	8253.2	84 096.2	8369.6
111 10	76 689.1	7859.2	76 490.8	7975.6	76 292.1	8092.1	76 093.0	8208.4
119 15	68 658.7	7705.5	68 469.4	7821.8	68 279.7	7938.1	68 089.7	8054.3
20	60 628.3	7559.0	60 448.0	7675.1	60 267.3	7791.3	60 086.4	7907.4
25	52 597.6	7419.5	52 426.3	7535.6	52 254.7	7651.6	52 082.8	7767.7
30	44 566.9	7287.2	44 404.6	7403.2	44 242.1	7519.1	44 079.2	7635.1
35	36 536.0	7162.1	36 382.7	7278.0	36 229.2	7393.8	36 075.3	7509.7
40	28 505.1	7044.1	28 360.8	7159.9	28 216.3	7275.7	28 071.4	7391.5
45	20 474.0	6933.3	20 338.7	7049.0	20 203.2	7164.7	20 067.5	7280.4
72 50	12 442.9	6829.6	12 316.6	6945.2	12 190.1	7060.9	12 063.5	7176.5
80 55	1 104 411.6	6733.1	1 104 294.3	6848.7	1 104 176.8	6964.1	1 104 059.3	7079.7
88								
96 00	1 096 380.3	1 666 643.7	1 096 272.1	1 676 759.2	1 096 163.7	1 686 874.7	1 096 055.1	1 696 990.2
104 05	88 348.7	6561.5	88 249.5	6676.9	88 150.1	6792.3	88 050.6	6907.7
112 10	80 317.1	6486.4	80 227.0	6601.8	80 136.6	6717.1	80 046.1	6832.5
120 15	72 285.6	6418.4	72 204.4	6533.8	72 123.1	6649.1	72 041.7	6764.4
20	64 254.0	6357.7	64 181.8	6473.0	64 109.6	6588.2	64 037.2	6703.5
25	56 222.4	6304.1	56 159.3	6419.3	56 096.1	6534.5	56 032.8	6649.8
30	48 190.8	6257.6	48 136.7	6372.8	48 082.6	6488.0	48 028.3	6603.2
35	40 159.0	6218.3	40 113.9	6333.4	40 068.8	6448.6	40 023.5	6563.8
40	32 127.2	6186.1	32 091.1	6301.2	32 055.0	6416.4	32 018.8	6531.5
45	24 095.4	6161.1	24 068.4	6276.2	24 041.3	6391.3	24 014.1	6506.4
73 50	16 063.6	6143.2	16 045.6	6258.3	16 027.5	6373.4	16 009.4	6488.5
81 55	08 031.8	6132.5	08 022.8	6247.6	08 013.8	6362.7	08 004.7	6477.8
89								
97 00	1 000 000.0	1 666 128.9	1 000 000.0	1 676 244.0	1 000 000.0	1 686 359.1	1 000 000.0	1 696 474.2
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 37° 45′.		Lat. 37° 50′.		Lat. 37° 55′.		Lat. 38° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 666 128.9	1 000 000.0	1 676 244.0	1 000 000.0	1 686 359.1	1 000 000.0	1 696 474.2
105	05	991 968.2	6132.5	991 977.2	6247.6	991 986.2	6362.7	991 995.3	6477.8
113	10	83 936.4	6143.2	83 954.4	6258.3	83 972.5	6373.4	83 990.5	6488.5
121	15	75 904.6	6161.1	75 931.6	6276.2	75 958.7	6391.3	75 985.9	6506.4
	20	67 872.8	6186.1	67 908.9	6301.2	67 945.0	6416.4	67 981.2	6531.5
	25	59 841.0	6218.3	59 886.1	6333.4	59 931.2	6448.6	59 976.5	6563.8
	30	51 809.2	6257.6	51 863.3	6372.8	51 917.4	6488.0	51 971.7	6603.2
	35	43 777.6	6304.1	43 840.7	6419.3	43 903.9	6534.5	43 967.2	6649.8
	40	35 746.0	6357.7	35 818.2	6473.0	35 890.4	6588.2	35 962.8	6703.5
	45	27 714.4	6418.4	27 795.6	6533.8	27 876.9	6649.1	27 958.3	6764.4
74	50	19 682.9	6486.4	19 773.0	6601.8	19 863.4	6717.1	19 953.9	6832.5
82	55	11 651.3	6561.5	11 750.5	6676.9	11 849.9	6792.3	11 949.4	6907.7
90									
98	00	903 619.7	1 666 643.7	903 727.9	1 676 759.2	903 836.3	1 686 874.7	903 944.9	1 696 990.2
106	05	895 588.4	6733.1	895 705.7	6848.7	895 823.2	6964.1	895 940.7	7079.7
114	10	87 557.1	6829.6	87 683.4	6945.2	87 809.9	7060.9	87 936.5	7176.5
122	15	79 526.0	6933.3	79 661.3	7049.0	79 796.8	7164.7	79 932.5	7280.4
	20	71 494.9	7044.1	71 639.2	7159.9	71 783.7	7275.7	71 928.6	7391.5
	25	63 464.0	7162.1	63 617.3	7278.0	63 770.8	7393.8	63 924.7	7509.7
	30	55 433.1	7287.2	55 595.4	7403.2	55 757.9	7519.1	55 920.8	7635.1
	35	47 402.4	7419.5	47 573.7	7535.6	47 745.3	7651.6	47 917.2	7767.7
	40	39 371.7	7559.0	39 552.0	7675.1	39 732.7	7791.3	39 913.6	7907.4
	45	31 341.3	7705.5	31 530.6	7821.8	31 720.3	7938.1	31 910.3	8054.3
75	50	23 310.9	7859.2	23 509.2	7975.6	23 707.9	8092.1	23 907.0	8208.4
83	55	15 280.7	8020.1	15 488.1	8136.7	15 695.8	8253.2	15 903.8	8369.6
91									
99	00	807 250.6	1 668 188.2	807 467.0	1 678 304.8	807 683.7	1 688 421.4	807 900.9	1 698 538.0
107	05	799 220.6	8363.3	799 446.0	8480.1	799 671.7	8596.8	799 898.0	8713.6
115	10	91 190.8	8545.6	91 425.2	8662.5	91 660.2	8779.4	91 895.3	8896.3
123	15	83 161.2	8735.1	83 404.7	8852.2	83 648.6	8969.2	83 892.9	9086.2
	20	75 131.8	8931.8	75 384.3	9048.9	75 637.1	9166.1	75 890.5	9283.3
	25	67 102.5	9135.5	67 364.1	9252.9	67 626.0	9370.2	67 888.4	9487.5
	30	59 073.4	9346.4	59 344.0	9464.0	59 615.0	9581.5	59 886.5	9698.9
	35	51 044.6	9564.6	51 324.2	9682.2	51 601.2	1 689 799.9	51 884.7	1 699 917.4
	40	43 016.0	1 669 789.7	43 304.5	1 679 907.6	43 593.5	1 690 025.4	43 883.2	1 700 143.2
	45	34 987.5	1 670 022.1	35 285.0	1 680 140.2	35 583.0	0258.2	35 881.8	0376.1
76	50	26 959.2	0261.7	27 265.8	0379.9	27 572.9	0498.1	27 880.6	0616.2
84	55	18 931.1	0508.3	19 246.7	0626.7	19 563.0	0745.1	19 879.7	0863.4
92									
100	00	710 903.3	1 670 762.2	711 227.9	1 680 880.8	711 553.2	1 690 999.3	711 879.0	1 701 117.8
108	05	702 875.7	1023.1	703 209.4	1142.0	703 543.7	1260.7	703 878.5	1379.4
116	10	694 848.3	1291.3	695 191.0	1410.3	695 534.4	1529.2	695 878.3	1648.1
124	15	86 821.2	1566.6	87 172.9	1685.7	87 525.3	1804.9	87 878.3	1924.0
	20	78 794.4	1849.0	79 155.1	1968.4	79 516.5	2087.7	79 878.6	2207.0
	25	70 767.8	2138.6	71 137.6	2258.2	71 508.0	2377.8	71 879.1	2497.3
	30	62 741.4	2435.3	63 120.2	2555.1	63 499.7	2674.9	63 879.9	2794.7
	35	54 715.3	2739.2	55 103.2	2859.3	55 491.8	2979.2	55 881.0	3099.2
	40	46 689.5	3050.2	47 086.4	3170.5	47 484.0	3290.8	47 882.3	3410.9
	45	38 663.9	3368.3	39 069.8	3488.9	39 476.5	3609.4	39 883.8	3729.8
77	50	30 638.6	3693.7	31 053.6	3814.5	31 469.3	3935.2	31 885.8	4055.9
85	55	22 613.8	4026.2	23 037.7	4147.3	23 462.4	4268.2	23 887.9	4389.1
93									
101	00	614 589.1	1 674 365.8	615 022.1	1 684 487.1	615 455.9	1 694 608.4	615 890.4	1 704 729.5
109	05	606 564.8	4712.6	607 006.8	4834.2	607 449.6	4955.7	607 893.2	5077.0
117	10	598 540.6	5066.5	598 991.7	5188.4	599 443.6	5310.1	599 896.3	5431.8
125	15	90 516.9	5427.6	90 977.1	5549.7	91 438.1	5671.8	91 899.8	5793.7
	20	82 493.6	5795.9	82 962.7	5918.2	83 432.7	6040.5	83 903.6	6162.7
	25	74 470.6	6171.3	74 948.7	6293.9	75 427.8	6416.5	75 907.7	6538.9
	30	566 447.8	1 676 553.8	566 935.0	1 686 676.7	567 423.1	1 696 799.6	567 912.1	1 706 922.3

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 38° 00′.		Lat. 38° 05′.		Lat. 38° 10′.		Lat. 38° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 432 087.9	1 706 922.3	1 431 597.8	1 717 045.4	1 431 106.8	1 727 168.5	1 430 614.8	1 737 291.6
100 35	24 092.3	6538.9	23 611.3	6661.8	23 129.4	6784.4	22 646.7	6907.4
108 40	16 096.4	6162.7	15 624.5	6285.2	15 151.7	6407.7	14 678.2	6530.4
116 45	08 100.2	5793.7	1 407 637.4	5915.9	1 407 173.7	6038.1	1 406 709.2	6160.5
69 50	1 400 103.7	5431.8	1 399 650.0	5553.7	1 399 195.4	5675.5	1 398 740.0	5797.8
77 55	1 392 106.8	5077.0	91 662.1	5198.8	91 216.6	5320.3	90 770.4	5442.4
85								
93 00	1 384 109.6	1 704 729.5	1 383 673.9	1 714 851.0	1 383 237.6	1 724 972.4	1 382 800.5	1 735 094.0
101 05	76 112.1	4389.1	75 685.6	4510.3	75 258.3	4631.5	74 830.2	4753.0
109 10	68 114.2	4055.9	67 696.8	4176.9	67 278.7	4297.8	66 859.8	4419.0
117 15	60 116.2	3729.8	59 707.8	3850.6	59 298.7	3971.3	58 889.0	4092.2
20	52 117.7	3410.9	51 718.4	3531.4	51 318.5	3651.9	50 917.9	3772.6
25	44 119.0	3099.2	43 728.9	3219.5	43 338.1	3339.8	42 946.5	3460.3
30	36 120.1	2794.7	35 739.0	2914.7	35 357.3	3034.8	34 974.8	3155.0
35	28 120.9	2497.3	27 748.9	2617.1	27 376.2	2736.9	27 002.9	2857.0
40	20 121.4	2207.0	19 758.4	2326.6	19 395.0	2446.3	19 030.8	2566.2
45	12 121.7	1924.0	11 767.8	2043.4	11 413.4	2162.9	11 058.4	2282.5
70 50	1 304 121.7	1648.1	1 303 776.9	1767.3	1 303 431.6	1886.6	1 303 085.6	2006.1
78 55	1 296 121.5	1379.4	1 295 785.7	1498.4	1 295 449.5	1617.4	1 295 112.6	1736.7
86								
94 00	1 288 121.0	1 701 117.8	1 287 794.4	1 711 236.6	1 287 467.1	1 721 355.4	1 287 139.4	1 731 474.6
102 05	80 120.3	0863.4	79 802.7	0982.1	79 484.6	1100.7	79 166.0	1219.6
110 10	72 119.4	0616.2	71 811.0	0734.7	71 501.9	0853.1	71 192.4	0971.8
118 15	64 118.2	0376.1	63 818.9	0494.4	63 519.0	0612.7	63 218.6	0731.4
20	56 116.8	1 700 143.2	55 826.6	0261.3	55 535.7	0379.4	55 244.4	0497.9
25	48 115.3	1 699 917.4	47 834.1	1 710 035.5	47 552.4	1 720 153.4	47 270.2	0271.7
30	40 113.5	9698.9	39 841.4	1 709 816.8	39 568.8	1 719 934.6	39 295.7	1 730 052.6
35	32 111.6	9487.5	31 848.5	9605.2	31 585.0	9722.7	31 321.0	1 729 840.8
40	24 109.5	9283.3	23 855.4	9400.8	23 601.1	9518.2	23 346.2	9636.1
45	16 107.1	9086.2	15 862.2	9203.6	15 616.9	9320.9	15 371.1	9438.6
71 50	08 104.7	8896.3	1 207 868.8	9013.6	1 207 632.5	9130.8	1 207 395.9	9248.4
79 55	1 200 102.0	8713.6	1 199 875.2	8830.7	1 199 648.1	8947.9	1 199 420.6	9065.2
87								
95 00	1 192 099.1	1 698 538.0	1 191 881.4	1 708 655.2	1 191 663.4	1 718 772.0	1 191 444.9	1 728 889.2
103 05	84 096.2	8369.6	83 887.5	8486.6	83 678.5	8603.3	83 469.2	8720.5
111 10	76 093.0	8208.4	75 893.5	8325.1	75 693.6	8441.7	75 493.3	8558.9
119 15	68 089.7	8054.3	67 899.2	8170.9	67 708.5	8287.5	67 517.3	8404.5
20	60 086.4	7907.4	59 905.0	8024.0	59 723.3	8140.5	59 541.2	8257.3
25	52 082.8	7767.7	51 910.5	7884.2	51 737.9	8000.5	51 565.0	8117.2
30	44 079.2	7635.1	43 916.0	7751.5	43 752.4	7867.7	43 588.6	7984.4
35	36 075.3	7509.7	35 921.2	7626.0	35 766.7	7742.2	35 612.0	7858.8
40	28 071.4	7391.5	27 926.5	7507.7	27 781.1	7623.7	27 635.4	7740.2
45	20 067.5	7280.4	19 931.5	7396.5	19 795.2	7512.5	19 658.7	7629.0
72 50	12 063.5	7176.5	11 936.6	7292.5	11 809.2	7408.5	11 681.9	7524.8
80 55	1 104 059.3	7079.7	1 103 941.4	7195.7	1 103 823.2	7311.6	1 103 705.0	7427.8
88								
96 00	1 096 055.1	1 696 990.2	1 095 946.3	1 707 106.1	1 095 837.2	1 717 221.8	1 095 728.0	1 727 338.0
104 05	88 050.6	6907.7	87 950.9	7023.6	87 851.0	7139.4	87 750.8	7255.5
112 10	80 046.1	6832.5	79 955.5	6948.3	79 864.7	7064.0	79 773.6	7180.0
120 15	72 041.7	6764.4	71 960.1	6880.2	71 878.3	6995.8	71 796.3	7111.8
20	64 037.2	6703.5	63 964.7	6819.2	63 892.0	6934.8	63 819.2	7050.8
25	56 032.8	6649.8	55 969.3	6765.4	55 905.7	6881.0	55 841.9	6997.0
30	48 028.3	6603.2	47 973.9	6718.8	47 919.3	6834.4	47 864.7	6950.2
35	40 023.5	6563.8	39 978.3	6679.4	39 932.7	6794.9	39 887.2	6910.8
40	32 018.8	6531.5	31 982.6	6647.1	31 946.2	6762.6	31 909.8	6878.4
45	24 014.1	6506.4	23 987.0	6622.0	23 959.6	6737.5	23 932.4	6853.3
73 50	16 009.4	6488.5	15 991.3	6604.0	15 973.1	6719.6	15 954.9	6835.4
81 55	08 004.7	6477.8	07 995.7	6593.3	07 986.5	6708.8	07 977.4	6824.6
89								
97 00	1 000 000.0	1 696 474.2	1 000 000.0	1 706 589.7	1 000 000.0	1 716 705.2	1 000 000.0	1 726 821.0
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 38° 00′.		Lat. 38° 05′.		Lat. 38° 10′.		Lat. 38° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000. 0	1 696 474. 2	1 000 000. 0	1 706 589. 7	1 000 000. 0	1 716 705. 2	1 000 000. 0	1 726 821. 0
105	05	991 995. 3	6477. 8	992 004. 3	6593. 3	992 013. 5	6708. 8	992 022. 6	6824. 6
113	10	83 990. 5	6488. 5	84 008. 7	6604. 0	84 026. 9	6719. 6	84 045. 1	6835. 4
121	15	75 985. 9	6506. 4	76 013. 0	6622. 0	76 040. 4	6737. 5	76 067. 6	6853. 3
	20	67 981. 2	6531. 5	68 017. 4	6647. 1	68 053. 8	6762. 6	68 090. 2	6878. 4
	25	59 976. 5	6563. 8	60 021. 7	6679. 4	60 067. 3	6794. 9	60 112. 8	6910. 8
	30	51 971. 7	6603. 2	52 026. 1	6718. 8	52 080. 7	6834. 4	52 135. 3	6950. 2
	35	43 967. 2	6649. 8	44 030. 7	6765. 4	44 094. 3	6881. 0	44 158. 1	6997. 0
	40	35 962. 8	6703. 5	36 035. 3	6819. 2	36 108. 0	6934. 8	36 180. 8	7050. 8
	45	27 958. 3	6764. 4	28 039. 9	6880. 2	28 121. 7	6995. 8	28 203. 7	7111. 8
74	50	19 953. 9	6832. 5	20 044. 5	6948. 3	20 135. 3	7064. 0	20 226. 4	7180. 0
82	55	11 949. 4	6907. 7	12 049. 1	7023. 6	12 149. 0	7139. 4	12 249. 2	7255. 5
90									
98	00	903 944. 9	1 696 990. 2	904 053. 7	1 707 106. 1	904 162. 8	1 717 221. 8	904 272. 0	1 727 338. 0
106	05	895 940. 7	7079. 7	896 058. 6	7195. 7	896 176. 8	7311. 6	896 295. 0	7427. 8
114	10	87 936. 5	7176. 5	88 063. 4	7292. 5	88 190. 8	7408. 5	88 318. 1	7524. 8
122	15	79 932. 5	7280. 4	80 068. 5	7396. 5	80 204. 8	7512. 5	80 341. 3	7629. 0
	20	71 928. 6	7391. 5	72 073. 5	7507. 7	72 218. 9	7623. 7	72 364. 6	7740. 2
	25	63 924. 7	7509. 7	64 078. 8	7626. 0	64 233. 3	7742. 2	64 388. 0	7858. 8
	30	55 920. 8	7635. 1	56 084. 0	7751. 5	56 247. 6	7867. 7	56 411. 4	7984. 4
	35	47 917. 2	7767. 7	48 089. 5	7884. 2	48 262. 1	8000. 5	48 435. 0	8117. 2
	40	39 913. 6	7907. 4	40 095. 0	8024. 0	40 276. 7	8140. 5	40 458. 8	8257. 3
	45	31 910. 3	8054. 3	32 100. 8	8170. 9	32 291. 5	8287. 5	32 482. 7	8404. 5
75	50	23 907. 0	8208. 4	24 106. 5	8325. 1	24 306. 4	8441. 9	24 506. 7	8558. 9
83	55	15 903. 8	8369. 6	16 112. 5	8486. 6	16 321. 5	8603. 3	16 530. 8	8720. 5
91									
99	00	807 900. 9	1 698 538. 0	808 118. 6	1 708 655. 2	808 336. 6	1 718 772. 0	808 555. 1	1 728 889. 2
107	05	799 898. 0	8713. 6	800 124. 8	8830. 7	800 351. 9	8947. 9	800 579. 4	9065. 2
115	10	91 895. 3	8896. 3	792 131. 2	9013. 6	792 367. 5	9130. 8	792 604. 1	9248. 4
123	15	83 892. 9	9086. 2	84 137. 8	9203. 6	84 383. 1	9320. 9	84 628. 9	9438. 6
	20	75 890. 5	9283. 3	76 144. 6	9400. 8	76 398. 9	9518. 2	76 653. 8	9636. 1
	25	67 888. 4	9487. 5	68 151. 5	9605. 2	68 415. 0	9722. 7	68 679. 0	1 729 840. 8
	30	59 886. 5	9698. 9	60 158. 6	1 709 816. 8	60 431. 2	1 719 934. 6	60 704. 3	1 730 052. 6
	35	51 884. 7	1 699 917. 4	52 165. 9	1 710 035. 5	52 447. 6	1 720 153. 4	52 729. 8	0271. 7
	40	43 883. 2	1 700 143. 2	44 173. 4	0261. 3	44 464. 3	0379. 4	44 755. 5	0497. 9
	45	35 881. 8	0376. 1	36 181. 1	0494. 4	36 481. 0	0612. 7	36 781. 4	0731. 4
76	50	27 880. 6	0616. 2	28 189. 0	0734. 7	28 498. 1	0853. 1	28 807. 6	0971. 8
84	55	19 879. 7	0863. 4	20 197. 3	0982. 1	20 515. 4	1100. 7	20 834. 0	1219. 6
92									
100	00	711 879. 0	1 701 117. 8	712 205. 6	1 711 236. 6	712 532. 9	1 721 355. 4	712 860. 6	1 731 474. 6
108	05	703 878. 5	1379. 4	704 214. 3	1498. 4	704 550. 5	1617. 4	704 887. 4	1736. 7
116	10	695 878. 3	1648. 1	696 223. 1	1767. 3	696 568. 4	1886. 6	696 914. 4	2006. 1
124	15	87 878. 3	1924. 0	88 232. 2	2043. 4	88 586. 6	2162. 9	88 941. 6	2282. 5
	20	79 878. 6	2207. 0	80 241. 6	2326. 6	80 605. 0	2446. 3	80 969. 2	2566. 2
	25	71 879. 1	2497. 3	72 251. 1	2617. 1	72 623. 8	2736. 9	72 997. 1	2857. 0
	30	63 879. 9	2794. 7	64 261. 0	2914. 7	64 642. 7	3034. 8	65 025. 2	3155. 0
	35	55 881. 0	3099. 2	56 271. 1	3219. 5	56 661. 9	3339. 8	57 053. 5	3460. 3
	40	47 882. 3	3410. 9	48 281. 6	3531. 4	48 681. 5	3651. 9	49 082. 1	3772. 6
	45	39 883. 8	3729. 8	40 292. 2	3850. 6	40 701. 3	3971. 3	41 111. 0	4092. 2
77	50	31 885. 8	4055. 9	32 303. 2	4176. 9	32 721. 3	4297. 8	33 140. 2	4419. 0
85	55	23 887. 9	4389. 1	24 314. 4	4510. 3	24 741. 7	4631. 5	25 169. 7	4753. 0
93									
101	00	615 890. 4	1 704 729. 5	616 326. 1	1 714 851. 0	616 762. 4	1 724 972. 4	617 199. 5	1 735 094. 0
109	05	607 893. 2	5077. 0	08 337. 9	5198. 8	08 783. 4	5320. 3	09 229. 6	5442. 4
117	10	599 896. 3	5431. 8	600 350. 0	5553. 7	600 804. 6	5675. 5	601 260. 0	5797. 8
125	15	91 899. 8	5793. 7	592 362. 6	5915. 9	592 826. 3	6038. 1	593 290. 8	6160. 5
	20	83 903. 6	6162. 7	84 375. 5	6285. 2	84 848. 3	6407. 7	85 321. 8	6530. 4
	25	75 907. 7	6538. 9	76 388. 7	6661. 8	76 870. 6	6784. 4	77 353. 3	6907. 4
	30	567 912. 1	1 706 922. 3	568 402. 2	1 717 045. 4	568 893. 2	1 727 168. 5	569 385. 2	1 737 291. 6

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 38° 15′.		Lat. 38° 20′.		Lat. 38° 25′.		Lat. 38° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 430 614.8	1 737 291.6	1 430 122.0	1 747 414.8	1 429 628.6	1 757 538.0	1 429 134.2	1 767 661.4
100 35	22 646.7	6907.4	22 163.0	7030.3	21 678.6	7153.3	21 193.3	7276.4
108 40	14 678.2	6530.4	14 203.6	6653.0	13 728.3	6775.7	13 252.2	6898.5
116 45	1 406 709.2	6160.5	1 406 243.8	6282.9	1 405 777.6	6405.4	1 405 310.7	6527.9
69 50	1 398 740.0	5797.8	1 398 283.7	5920.0	1 397 826.8	6042.2	1 397 369.0	6164.5
77 55	90 770.4	5442.4	90 323.3	5564.2	89 875.4	5686.2	89 426.8	5808.3
85								
93 00	1 382 800.5	1 735 094.0	1 382 362.6	1 745 215.7	1 381 924.0	1 755 337.4	1 381 484.5	1 765 459.3
101 05	74 830.2	4753.0	74 401.5	4874.4	73 972.0	4995.8	73 541.7	5117.5
109 10	66 859.8	4419.0	66 440.1	4540.2	66 019.8	4661.4	65 598.7	4782.8
117 15	58 889.0	4092.2	58 478.5	4213.2	58 067.2	4334.2	57 655.3	4455.4
20	50 917.9	3772.6	50 516.5	3893.4	50 114.4	4014.3	49 711.6	4135.2
25	42 946.5	3460.3	42 554.2	3580.8	42 161.3	3701.4	41 767.8	3822.1
30	34 974.8	3155.0	34 591.7	3275.4	34 207.9	3395.8	33 823.5	3516.3
35	27 002.9	2857.0	26 628.9	2977.2	26 254.4	3097.3	25 879.0	3217.6
40	19 030.8	2566.2	18 665.9	2686.1	18 300.4	2806.1	17 934.2	2926.2
45	11 058.4	2282.5	10 702.7	2402.2	10 346.4	2521.9	09 989.3	2641.9
70 50	1 303 085.6	2006.1	1 302 739.0	2125.5	1 302 392.0	2245.1	1 302 044.1	2364.9
78 55	1 295 112.6	1736.7	1 294 775.2	1856.1	1 294 437.2	1975.5	1 294 098.5	2095.0
86								
94 00	1 287 139.4	1 731 474.6	1 286 811.1	1 741 593.8	1 286 482.2	1 751 712.9	1 286 152.7	1 761 832.3
102 05	79 166.0	1219.6	78 846.9	1338.6	78 527.2	1457.6	78 206.8	1576.9
110 10	71 192.4	0971.8	70 882.4	1090.7	70 571.8	1209.6	70 260.6	1328.6
118 15	63 218.6	0731.4	62 917.6	0849.9	62 616.1	0968.6	62 314.1	1087.5
20	55 244.4	0497.9	54 952.6	0616.4	54 660.2	0734.9	54 367.4	0853.6
25	47 270.2	0271.7	46 987.5	0390.0	46 704.2	0508.4	46 420.5	0626.9
30	39 295.7	1 730 052.6	39 022.1	1 740 170.8	38 748.0	0289.1	38 473.5	0407.5
35	31 321.0	1 729 840.8	31 056.6	1 739 958.8	30 791.6	1 750 076.9	30 526.3	1 760 195.2
40	23 346.2	9636.1	23 090.8	9754.0	22 835.0	1 749 872.0	22 578.8	1 759 990.1
45	15 371.1	9438.6	15 124.9	9556.4	14 878.3	9674.2	14 631.2	9792.2
71 50	1 207 395.9	9248.4	1 207 158.9	9366.0	1 206 921.4	9483.6	1 206 683.3	9601.5
79 55	1 199 420.6	9065.2	1 199 192.6	9182.7	1 198 964.2	9300.2	1 198 735.4	9418.0
87								
95 00	1 191 444.9	1 728 889.2	1 191 226.1	1 739 006.6	1 191 006.8	1 749 124.0	1 190 787.2	1 759 241.6
103 05	83 469.2	8720.5	83 259.4	8837.7	83 049.4	8955.1	82 838.8	9072.5
111 10	75 493.3	8558.9	75 292.8	8676.0	75 091.8	8793.2	74 890.5	8910.6
119 15	67 517.3	8404.5	67 325.8	8521.5	67 134.0	8638.6	66 941.8	8755.9
20	59 541.2	8257.3	59 358.9	8374.2	59 176.2	8491.2	58 993.2	8608.4
25	51 565.0	8117.2	51 391.7	8234.1	51 218.2	8351.0	51 044.3	8468.0
30	43 588.6	7984.4	43 424.4	8101.1	43 260.0	8218.0	43 095.4	8334.9
35	35 612.0	7858.8	35 457.0	7975.3	35 301.8	8092.1	35 146.3	8209.0
40	27 635.4	7740.2	27 489.6	7856.7	27 343.5	7973.4	27 197.1	8090.2
45	19 658.7	7629.0	19 521.9	7745.4	19 385.0	7861.9	19 247.8	7978.7
72 50	11 681.9	7524.8	11 554.3	7641.2	11 426.5	7757.7	11 298.4	7874.3
80 55	1 103 705.0	7427.8	1 103 586.4	7544.1	1 103 467.8	7660.6	1 103 348.9	7777.2
88								
96 00	1 095 728.0	1 727 338.0	1 095 618.6	1 737 454.3	1 095 509.0	1 747 570.7	1 095 399.3	1 757 687.2
104 05	87 750.8	7255.5	87 650.5	7371.7	87 550.1	7488.0	87 449.6	7604.5
112 10	79 773.6	7180.0	79 682.4	7296.2	79 591.1	7412.5	79 499.7	7528.9
120 15	71 796.3	7111.8	71 714.3	7227.9	71 632.2	7344.1	71 549.9	7460.6
20	63 819.2	7050.8	63 746.2	7166.8	63 673.2	7283.0	63 600.0	7399.4
25	55 841.9	6997.0	55 778.1	7112.9	55 714.2	7229.1	55 650.2	7345.4
30	47 864.7	6950.2	47 810.0	7066.2	47 755.2	7182.3	47 700.3	7298.6
35	39 887.2	6910.8	39 841.5	7026.7	39 796.2	7142.9	39 750.3	7259.1
40	31 909.8	6878.4	31 873.2	6994.5	31 836.8	7110.6	31 800.2	7226.7
45	23 932.4	6853.3	23 904.9	6969.3	23 877.7	7085.4	23 850.2	7201.5
73 50	15 954.9	6835.4	15 936.6	6951.3	15 918.4	7067.3	15 900.1	7183.5
81 55	07 977.4	6824.6	07 968.3	6940.5	07 959.2	7056.5	07 950.1	7172.7
89								
97 00	1 000 000.0	1 726 821.0	1 000 000.0	1 736 936.9	1 000 000.0	1 747 052.9	1 000 000.0	1 757 169.1
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 38° 15′.		Lat. 38° 20′.		Lat. 38° 25′.		Lat. 38° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	1 726 821.0	1 000 000.0	1 736 936.9	1 000 000.0	1 747 052.9	1 000 000.0	1 757 169.1
105 05	992 022.6	6824.6	992 031.7	6940.5	992 040.8	7056.5	992 049.9	7172.7
113 10	84 045.1	6835.4	84 063.4	6951.3	84 081.6	7067.3	84 099.9	7183.5
121 15	76 067.6	6853.3	76 095.1	6969.2	76 122.3	7085.3	76 149.8	7201.5
20	68 090.2	6878.4	68 126.8	6994.4	68 163.2	7110.4	68 199.8	7226.7
25	60 112.8	6910.8	60 158.4	7026.7	60 203.8	7142.8	60 249.7	7259.1
30	52 135.3	6950.2	52 190.0	7066.2	52 244.8	7182.3	52 299.7	7298.6
35	44 158.1	6997.0	44 221.9	7112.9	44 285.8	7229.1	44 349.8	7345.4
40	36 180.8	7050.8	36 253.8	7166.8	36 326.8	7283.0	36 400.0	7399.4
45	28 203.7	7111.8	28 285.7	7227.9	28 367.8	7344.1	28 450.1	7460.6
74 50	20 226.4	7180.0	20 317.6	7296.2	20 408.9	7412.5	20 500.3	7528.9
82 55	12 249.2	7255.5	12 349.5	7371.7	12 449.9	7488.0	12 550.4	7604.5
90								
98 00	904 272.0	1 727 338.0	904 381.4	1 737 454.3	904 491.0	1 747 570.7	904 600.7	1 757 687.2
106 05	896 295.0	7427.8	896 413.6	7544.1	896 532.2	7660.6	896 651.1	7777.2
114 10	88 318.1	7524.8	88 445.7	7641.2	88 573.5	7757.7	88 701.6	7874.3
122 15	80 341.3	7629.0	80 478.1	7745.4	80 615.0	7861.9	80 752.2	7978.7
20	72 364.6	7740.2	72 510.4	7856.7	72 656.5	7973.4	72 802.9	8090.2
25	64 388.0	7858.8	64 543.0	7975.3	64 698.2	8092.1	64 853.7	8209.0
30	56 411.4	7984.4	56 575.6	8101.1	56 740.0	8218.0	56 904.6	8334.9
35	48 435.0	8117.2	48 608.3	8234.1	48 781.8	8351.0	48 955.7	8468.0
40	40 458.8	8257.3	40 641.1	8374.2	40 823.8	8491.2	41 006.8	8608.4
45	32 482.7	8404.5	32 674.2	8521.5	32 866.0	8638.6	33 058.2	8755.9
75 50	24 506.7	8558.9	24 707.2	8676.0	24 908.2	8793.2	25 109.5	8910.6
83 55	16 530.8	8720.5	16 740.6	8837.7	16 950.6	8955.1	17 161.2	9072.5
91								
99 00	808 555.1	1 728 889.2	808 773.9	1 739 006.6	808 993.2	1 749 124.0	809 212.8	1 759 241.6
107 05	800 579.4	9065.2	800 807.4	9182.7	801 035.8	9300.2	801 264.6	9418.0
115 10	792 604.1	9248.4	792 841.1	9366.0	793 078.6	9483.6	793 316.7	9601.5
123 15	84 628.9	9438.6	84 875.1	9556.4	85 121.7	9674.2	85 368.8	9792.2
20	76 653.8	9636.1	76 909.2	9754.0	77 165.0	1 749 872.0	77 421.2	1 759 990.1
25	68 679.0	1 729 840.8	68 943.4	1 739 958.8	69 208.4	1 750 076.9	69 473.7	1 760 195.2
30	60 704.3	1 730 052.6	60 977.9	1 740 170.8	61 252.0	0289.1	61 526.5	0407.5
35	52 729.8	0271.7	53 012.5	0390.0	53 295.8	0508.4	53 579.5	0626.9
40	44 755.5	0497.9	45 047.4	0616.4	45 339.8	0734.9	45 632.6	0853.6
45	36 781.4	0731.4	37 082.4	0849.9	37 383.9	0968.6	37 685.9	1087.5
76 50	28 807.6	0971.8	29 117.6	1090.7	29 428.2	1209.6	29 739.4	1328.6
84 55	20 834.0	1219.6	21 153.1	1338.6	21 472.8	1457.6	21 793.2	1576.9
92								
100 00	712 860.6	1 731 474.6	713 188.9	1 741 593.8	713 517.8	1 751 712.9	713 847.3	1 761 832.3
108 05	704 887.4	1736.7	705 224.8	1856.1	705 562.8	1975.5	705 901.5	2095.0
116 10	696 914.4	2006.1	697 261.0	2125.5	697 608.0	2245.1	697 955.9	2364.9
124 15	88 941.6	2282.5	89 297.3	2402.2	89 653.6	2521.9	90 010.7	2641.9
20	80 969.2	2566.2	81 334.1	2686.1	81 699.6	2806.1	82 065.8	2926.2
25	72 997.1	2857.0	73 371.1	2977.2	73 745.6	3097.3	74 121.0	3217.6
30	65 025.2	3155.0	65 408.3	3275.4	65 792.1	3395.8	66 176.5	3516.3
35	57 053.5	3460.3	57 445.8	3580.8	57 838.7	3701.4	58 232.2	3822.1
40	49 082.1	3772.6	49 483.5	3893.4	49 885.6	4014.3	50 288.4	4135.2
45	41 111.0	4092.2	41 521.5	4213.2	41 932.8	4334.2	42 344.7	4455.4
77 50	33 140.2	4419.0	33 559.9	4540.2	33 980.2	4661.4	34 401.3	4782.8
85 55	25 169.7	4753.0	25 598.5	4874.4	26 028.0	4995.8	26 458.3	5117.5
93								
101 00	617 199.5	1 735 094.0	617 637.4	1 745 215.7	618 076.0	1 755 337.4	618 515.5	1 765 459.3
109 05	09 229.6	5442.4	09 676.7	5564.2	10 124.6	5686.2	10 573.2	5808.3
117 10	601 260.0	5797.8	601 716.3	5920.0	602 173.2	6042.2	602 631.0	6164.5
125 15	593 290.8	6160.5	593 756.2	6282.9	594 222.4	6405.4	594 689.3	6527.9
20	85 321.8	6530.4	85 796.4	6653.0	86 271.7	6775.7	86 747.8	6898.5
25	77 353.3	6907.4	77 837.0	7030.3	78 321.4	7153.3	78 806.7	7276.4
30	569 385.2	1 737 291.6	569 878.0	1 747 414.8	570 371.4	1 757 538.0	570 865.8	1 767 661.4

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 38° 30′.		Lat. 38° 35′.		Lat. 38° 40′.		Lat. 38° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68								
76								
84								
92 30	1 429 134.2	1 767 661.4	1 428 638.4	1 777 784.7	1 428 142.0	1 787 908.1	1 427 644.8	1 798 031.6
100 35	21 193.3	7276.4	20 706.9	7399.4	20 219.7	7522.6	19 731.6	7645.9
108 40	13 252.2	6898.5	12 775.0	7021.4	12 297.0	7144.3	11 818.1	7267.3
116 45	1 405 310.7	6527.9	1 404 842.8	6650.4	1 404 373.9	6773.2	1 403 904.2	6896.0
69 50	1 397 369.0	6164.5	1 396 910.2	6286.8	1 396 450.6	6409.3	1 395 990.0	6531.8
77 55	89 426.8	5808.3	88 977.2	5930.3	88 526.8	6052.6	88 075.6	6174.9
85								
93 00	1 381 484.5	1 765 459.3	1 381 044.0	1 775 581.1	1 380 602.8	1 785 703.1	1 380 160.8	1 795 825.1
101 05	73 541.7	5117.5	73 110.4	5239.0	72 678.4	5360.8	72 245.5	5482.6
109 10	65 598.7	4782.8	65 176.6	4904.1	64 753.7	5025.7	64 330.2	5147.3
117 15	57 655.3	4455.4	57 242.4	4576.5	56 828.9	4697.8	56 414.5	4819.2
20	49 711.6	4135.2	49 307.9	4256.0	48 903.5	4377.2	48 498.4	4498.4
25	41 767.8	3822.1	41 373.1	3942.9	40 977.9	4063.7	40 582.0	4184.7
30	33 823.5	3516.3	33 438.3	3636.9	33 052.2	3757.5	32 665.5	3878.3
35	25 879.0	3217.6	25 502.9	3338.0	25 126.1	3458.5	24 748.6	3579.0
40	17 934.2	2926.2	17 567.3	3046.4	17 199.7	3166.7	16 831.5	3287.1
45	09 989.3	2641.9	09 631.6	2761.9	09 273.1	2882.0	08 914.1	3002.2
70 50	1 302 044.1	2364.9	1 301 695.5	2484.6	1 301 346.3	2604.5	1 300 996.4	2724.5
78 55	1 294 098.5	2095.0	1 293 759.1	2214.6	1 293 419.1	2334.4	1 293 078.4	2454.2
86								
94 00	1 286 152.7	1 761 832.3	1 285 822.5	1 771 951.8	1 285 491.7	1 782 071.3	1 285 160.3	1 792 191.0
102 05	78 206.8	1576.9	77 885.7	1696.1	77 564.1	1815.5	77 241.9	1935.0
110 10	70 260.6	1328.6	69 948.7	1447.7	69 636.2	1566.9	69 323.3	1686.3
118 15	62 314.1	1087.5	62 011.4	1206.4	61 708.2	1325.5	61 404.5	1444.7
20	54 367.4	0853.6	54 073.9	0972.4	53 779.9	1091.3	53 485.3	1210.3
25	46 420.5	0626.9	46 136.3	0745.5	45 851.3	0864.3	45 566.0	0983.3
30	38 473.5	0407.5	38 198.3	0525.9	37 922.7	0644.5	37 646.5	0763.3
35	30 526.3	1 760 195.2	30 260.3	0313.5	29 993.8	0432.0	29 726.9	0550.6
40	22 578.8	1 759 990.1	22 322.0	1 770 108.2	22 064.7	0226.6	21 807.0	0345.1
45	14 631.2	9792.2	14 383.5	1 769 910.2	14 135.4	1 780 028.4	13 886.9	1 790 146.7
71 50	1 206 683.3	9601.5	1 206 444.9	9719.4	1 206 206.0	1 779 837.4	1 205 966.6	1 789 955.6
79 55	1 198 735.4	9418.0	1 198 506.1	9535.8	1 198 276.4	9653.7	1 198 046.3	9771.8
87								
95 00	1 190 787.2	1 759 241.6	1 190 567.2	1 769 359.3	1 190 346.7	1 779 477.2	1 190 125.8	1 789 595.1
103 05	82 838.8	9072.5	82 627.9	9190.1	82 416.7	9307.9	82 204.9	9425.8
111 10	74 890.5	8910.6	74 688.7	9028.0	74 486.6	9145.7	74 284.1	9263.5
119 15	66 941.8	8755.9	66 749.2	8873.2	66 556.4	8990.8	66 363.1	9108.5
20	58 993.2	8608.4	58 809.7	8725.6	58 626.1	8843.1	58 442.1	8960.6
25	51 044.3	8468.0	50 870.0	8585.2	50 695.5	8702.6	50 520.7	8820.0
30	43 095.4	8334.9	42 930.3	8452.0	42 765.0	8569.3	42 599.3	8686.6
35	35 146.3	8209.0	34 990.4	8326.0	34 854.2	8443.1	34 677.6	8560.4
40	27 197.1	8090.2	27 050.4	8207.2	26 903.3	8324.3	26 756.0	8441.4
45	19 247.8	7978.7	19 110.2	8095.5	18 972.4	8212.6	18 834.3	8329.7
72 50	11 298.4	7874.3	11 170.0	7991.1	11 041.4	8108.1	10 912.5	8225.1
80 55	1 103 348.9	7777.2	1 103 229.7	7893.9	1 103 110.2	8010.8	1 102 990.5	8127.8
88								
96 00	1 095 399.3	1 757 687.2	1 095 289.2	1 767 803.9	1 095 179.0	1 777 920.8	1 095 068.6	1 788 037.7
104 05	87 449.6	7604.5	87 348.6	7721.1	87 247.5	7837.9	87 146.3	7954.7
112 10	79 499.7	7528.9	79 407.9	7645.5	79 316.0	7762.2	79 224.0	7879.0
120 15	71 549.9	7460.6	71 467.3	7577.1	71 384.6	7693.8	71 301.8	7810.5
20	63 600.0	7399.4	63 526.6	7515.9	63 453.1	7632.5	63 379.5	7749.2
25	55 650.2	7345.4	55 586.0	7461.9	55 521.7	7578.5	55 457.2	7695.2
30	47 700.3	7298.6	47 645.3	7415.0	47 590.3	7531.6	47 534.9	7648.3
35	39 750.3	7259.1	39 704.5	7375.4	39 658.5	7491.9	39 612.4	7608.7
40	31 800.2	7226.7	31 763.6	7343.0	31 726.8	7459.6	31 690.0	7576.2
45	23 850.2	7201.5	23 822.7	7317.8	23 795.1	7434.3	23 767.5	7551.0
73 50	15 900.1	7183.5	15 881.8	7299.8	15 863.4	7416.3	15 845.0	7533.0
81 55	07 950.1	7172.7	07 940.9	7289.0	07 931.7	7405.5	07 922.5	7522.1
89								
97 00	1 000 000.0	1 757 169.1	1 000 000.0	1 767 285.4	1 000 000.0	1 777 401.9	1 000 000.0	1 787 518.5
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 38° 30′.		Lat. 38° 35′.		Lat. 38° 40′.		Lat. 38° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 757 169.1	1 000 000.0	1 767 285.4	1 000 000.0	1 777 401.9	1 000 000.0	1 787 518.5
105	05	992 049.9	7172.7	992 059.1	7289.0	992 068.3	7405.5	992 077.5	7522.1
113	10	84 099.9	7183.5	84 118.2	7299.8	84 136.6	7416.3	84 155.0	7533.0
121	15	76 149.8	7201.5	76 177.3	7317.8	76 204.9	7434.3	76 232.5	7551.0
	20	68 199.8	7226.7	68 236.4	7343.0	68 273.2	7459.6	68 310.0	7576.2
	25	60 249.7	7259.1	60 295.5	7375.4	60 341.5	7491.9	60 387.6	7608.7
	30	52 299.7	7298.6	52 354.7	7415.0	52 409.7	7531.6	52 465.1	7648.3
	35	44 349.8	7345.4	44 414.0	7461.9	44 478.3	7578.5	44 542.8	7695.2
	40	36 400.0	7399.4	36 473.4	7515.9	36 546.9	7632.5	36 620.5	7749.2
	45	28 450.1	7460.6	28 532.7	7577.1	28 615.4	7693.8	28 698.2	7810.5
74	50	20 500.3	7528.9	20 592.1	7645.5	20 684.0	7762.2	20 776.0	7879.0
82	55	12 550.4	7604.5	12 651.4	7721.1	12 752.5	7837.9	12 853.7	7954.7
90									
98	00	904 600.7	1 757 687.2	904 710.8	1 767 803.9	904 821.0	1 777 920.8	904 931.4	1 788 037.7
106	05	896 651.1	7777.2	896 770.3	7893.9	896 889.8	8010.8	897 009.5	8127.8
114	10	88 701.6	7874.3	88 830.0	7991.1	88 958.6	8108.1	89 087.5	8225.1
122	15	80 752.2	7978.7	80 889.8	8095.5	81 027.6	8212.6	81 165.7	8329.7
	20	72 802.9	8090.2	72 949.6	8207.2	73 096.7	8324.3	73 244.0	8441.4
	25	64 853.7	8209.0	65 009.6	8326.0	65 165.8	8443.1	65 322.4	8560.4
	30	56 904.6	8334.9	57 069.7	8452.0	57 235.0	8569.3	57 400.7	8686.6
	35	48 955.7	8468.0	49 130.0	8585.2	49 304.5	8702.6	49 479.3	8820.0
	40	41 006.8	8608.4	41 190.3	8725.6	41 373.9	8843.1	41 557.9	8960.6
	45	33 058.2	8755.9	33 250.8	8873.2	33 443.6	8990.8	33 636.9	9108.5
75	50	25 109.5	8910.6	25 311.3	9028.0	25 513.4	9145.7	25 715.9	9263.5
83	55	17 161.2	9072.5	17 372.1	9190.1	17 583.3	9307.9	17 795.1	9425.8
91									
99	00	809 212.8	1 759 241.6	809 432.8	1 769 359.3	809 653.3	1 779 477.2	809 874.2	1 789 595.1
107	05	801 264.6	9418.0	801 493.9	9535.8	801 723.6	9653.7	801 953.7	9771.8
115	10	793 316.7	9601.5	793 555.1	9719.4	793 794.0	1 779 837.4	794 033.4	1 789 955.6
123	15	85 368.8	9792.2	85 616.5	1 769 910.2	85 864.6	1 780 028.4	86 113.1	1 790 146.7
	20	77 421.2	1 759 990.1	77 678.0	1 770 108.2	77 935.3	0226.6	78 193.0	0345.1
	25	69 473.7	1 760 195.2	69 739.7	0313.5	70 006.2	0432.0	70 273.1	0550.6
	30	61 526.5	0407.5	61 801.7	0525.9	62 077.3	0644.5	62 353.5	0763.3
	35	53 579.5	0626.9	53 863.7	0745.5	54 148.7	0864.3	54 434.0	0983.3
	40	45 632.6	0853.6	45 926.1	0972.4	46 220.1	1091.3	46 514.7	1210.3
	45	37 685.9	1087.5	37 988.6	1206.4	38 291.8	1325.5	38 595.5	1444.7
76	50	29 739.4	1328.6	30 051.3	1447.7	30 363.8	1566.9	30 676.7	1686.3
84	55	21 793.2	1576.9	22 114.3	1696.1	22 435.9	1815.5	22 758.1	1935.0
92									
100	00	713 847.3	1 761 832.3	714 177.5	1 771 951.8	714 508.3	1 782 071.3	714 839.7	1 792 191.0
108	05	705 901.5	2095.0	706 240.9	2214.6	706 580.9	2334.4	706 921.6	2454.2
116	10	697 955.9	2364.9	698 304.5	2484.6	698 653.7	2604.5	699 003.6	2724.5
124	15	90 010.7	2641.9	90 368.4	2761.9	90 726.9	2882.0	91 085.9	3002.2
	20	82 065.8	2926.2	82 432.7	3046.4	82 800.3	3166.7	83 168.5	3287.1
	25	74 121.0	3217.6	74 497.1	3338.0	74 873.9	3458.5	75 251.4	3579.0
	30	66 176.5	3516.3	66 561.7	3636.9	66 947.8	3757.5	67 334.5	3878.3
	35	58 232.2	3822.1	58 626.9	3942.9	59 022.1	4063.7	59 418.0	4184.7
	40	50 288.4	4135.2	50 692.1	4256.0	51 096.5	4377.2	51 501.6	4498.4
	45	42 344.7	4455.4	42 757.6	4576.5	43 171.1	4697.8	43 585.5	4819.2
77	50	34 401.3	4782.8	34 823.4	4904.1	35 246.3	5025.7	35 669.8	5147.3
85	55	26 458.3	5117.5	26 889.6	5239.0	27 321.6	5360.8	27 754.5	5482.6
93									
101	00	618 515.5	1 765 459.3	618 956.0	1 775 581.1	619 397.2	1 785 703.1	619 839.2	1 795 825.1
109	05	10 573.2	5808.3	11 022.8	5930.3	11 473.2	6052.6	11 924.4	6174.9
117	10	602 631.0	6164.5	603 089.8	6286.8	603 549.4	6409.3	604 010.0	6531.8
125	15	594 689.3	6527.9	595 157.2	6650.4	595 626.1	6773.2	596 095.8	6896.0
	20	86 747.8	6898.5	87 225.0	7021.4	87 703.0	7144.3	88 181.9	7267.3
	25	78 806.7	7276.4	79 293.1	7399.4	79 780.3	7522.6	80 268.4	7645.9
	30	570 865.8	1 767 661.4	571 361.6	1 777 784.7	571 858.0	1 787 908.1	572 355.2	1 798 031.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 38° 45′.		Lat. 38° 50′.		Lat. 38° 55′.		Lat. 39° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 427 644.8	1 798 031.6	1 427 146.5	1 808 155.1	1 426 647.4	1 818 278.7	1 426 147.5	1 828 402.4
100	35	19 731.6	7645.9	19 242.6	7769.2	18 752.6	7892.4	18 262.1	8015.9
108	40	11 818.1	7267.3	11 338.3	7390.3	10 857.7	7513.4	10 376.4	7636.6
116	45	1 403 904.2	6896.0	1 403 433.7	7018.8	1 402 962.4	7141.5	1 402 490.3	7264.5
69	50	1 395 990.0	6531.8	1 395 528.8	6654.5	1 395 066.8	6777.0	1 394 603.9	6899.7
77	55	88 075.6	6174.9	87 623.6	6297.2	87 170.8	6419.6	86 717.2	6542.1
85									
93	00	1 380 160.8	1 795 825.1	1 379 717.9	1 805 947.3	1 379 274.5	1 816 069.4	1 378 830.1	1 826 191.7
101	05	72 245.5	5482.6	71 812.0	5604.5	71 377.8	5726.5	70 942.7	5848.5
109	10	64 330.2	5147.3	63 905.9	5269.0	63 480.9	5390 8	63 055.2	5512.6
117	15	56 414.5	4819.2	55 999.4	4940.7	55 583.7	5062 3	55 167.1	5183.9
	20	48 498.4	4498.4	48 092.5	4619.6	47 685.9	4741 0	47 278.8	4862.4
	25	40 582.0	4184.7	40 185.4	4305.8	39 788.2	4426 9	39 390.3	4548.1
	30	32 665.5	3878.3	32 278.1	3999.2	31 890.1	4120.1	31 501.4	4241.1
	35	24 748.6	3579.0	24 370.5	3699.7	23 991.7	3820.5	23 612.2	3941.3
	40	16 831.5	3287.1	16 462.5	3407.5	16 093.0	3528.0	15 722.8	3648.7
	45	08 914.1	3002.2	08 554.4	3122.5	08 194.1	3242.9	1 307 833.2	3363.3
70	50	1 300 996.4	2724.5	1 300 645.9	2844.7	1 300 294.9	2964.9	1 299 943.2	3085.2
78	55	1 293 078.4	2454.2	1 292 737.2	2574.2	1 292 395.4	2694.2	92 053.0	2814.3
86									
94	00	1 285 160.3	1 792 191.0	1 284 828.3	1 802 310.8	1 284 495.8	1 812 430.7	1 284 162.7	1 822 550.6
102	05	77 241.9	1935.0	76 919.1	2054.6	76 595.9	2174.4	76 272.0	2294.1
110	10	69 323.3	1686.3	69 009.7	1805.7	68 695.7	1925.2	68 381.0	2044.9
118	15	61 404.5	1444.7	61 100.1	1564.0	60 795.3	1683.4	60 489.9	1802.9
	20	53 485.3	1210.3	53 190.2	1329.5	52 894.6	1448.8	52 598.6	1568.1
	25	45 566.0	0983.3	45 280.1	1102.2	44 993.8	1221.3	44 706.9	1340.5
	30	37 646.5	0763.3	37 369.9	0882.2	37 092.9	1001.1	36 815.3	1120.2
	35	29 726.9	0550.6	29 459.5	0669.4	29 191.7	0788.2	28 923.4	0907.1
	40	21 807.0	0345.1	21 548.8	0463.7	21 290.2	0582.4	21 031.2	0701.2
	45	13 886.9	1 790 146.7	13 638.0	0265.3	13 388.7	0383.8	13 138.8	0502.5
71	50	1 205 966.6	1 789 955.6	1 205 727.0	1 800 074.0	1 205 486.8	0192.5	1 205 246.3	0311.0
79	55	1 198 046.3	9771.8	1 197 815.9	1 799 890.1	1 197 585.0	1 810 008.4	1 197 353.7	1 820 126.8
87									
95	00	1 190 125.8	1 789 595.1	1 189 904.4	1 799 713.3	1 189 682.8	1 809 831.4	1 189 460.8	1 819 949.8
103	05	82 204.9	9425.8	81 992.8	9543.8	81 780.4	9661.8	81 567.7	9780.1
111	10	74 284.1	9263.5	74 081.3	9381.4	73 878.0	9499.4	73 674.6	9617.5
119	15	66 363.1	9108.5	66 169.4	9226.3	65 975.5	9344.2	65 781.2	9462.2
	20	58 442.1	8960.6	58 257.6	9078.4	58 072.9	9196.1	57 887.9	9314.1
	25	50 520.7	8820.0	50 345.4	8937.6	50 169.9	9055.3	49 994.2	9173.2
	30	42 599.3	8686.6	42 433.3	8804.2	42 267.1	8921.9	42 100.6	9039.6
	35	34 677.6	8560.4	34 520.9	8677.9	34 364.0	8795.4	34 206.7	8913.1
	40	26 756.0	8441.4	26 608.6	8558.8	26 460.9	8676.3	26 312.8	8793.9
	45	18 834.3	8329.7	18 696.0	8447.0	18 557.6	8564.4	18 418.8	8681.9
72	50	10 912.5	8225.1	10 783.5	8342.4	10 654.2	8459.7	10 524.7	8577.2
80	55	1 102 990.5	8127.8	1 102 870.7	8245.0	1 102 750.7	8362.3	1·102 630.4	8479.7
88									
96	00	1 095 068.6	1 788 037.7	1 094 957.9	1 798 154.8	1 094 847.1	1 808 272.0	1 094 736.1	1 818 389.4
104	05	87 146.3	7954.7	87 045.0	8071.8	86 943.3	8188.9	86 841.6	8306.3
112	10	79 224.0	7879.0	79 131.9	7996.1	79 039.5	8113.1	78 947.0	8230.4
120	15	71 301.8	7810.5	71 218.9	7927.5	71 135.7	8044.6	71 052.5	8161.8
	20	63 379.5	7749.2	63 305.8	7866.2	63 231.9	7983.2	63 157.9	8100.4
	25	55 457.2	7695.2	55 392.8	7812.1	55 328.1	7929.1	55 263.4	8046.2
	30	47 534.9	7648.3	47 479.7	7765.1	47 424.3	7882.1	47 368.8	7999.2
	35	39 612.4	7608.7	39 566.5	7725.5	39 520.3	7842.4	39 474.0	7959.5
	40	31 690.0	7576.2	31 653.2	7693.0	31 616.2	7809.9	31 579.2	7927.0
	45	23 767.5	7551.0	23 739.9	7667.8	23 712.2	7784.7	23 684.4	7901.7
73	50	15 845.0	7533.0	15 826.6	7649.7	15 808.1	7766.6	15 789.6	7883.7
81	55	07 922.5	7522.1	07 913.3	7638.9	07 904.1	7755.8	07 894.8	7872.8
89									
97	00	1 000 000.0	1 787 518.5	1 000 000.0	1 797 635.3	1 000 000.0	1 807 752.2	1 000 000.0	1 817 869.2
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 38° 45′.		Lat. 38° 50′.		Lat. 38° 55′.		Lat. 39° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 787 518.5	1 000 000.0	1 797 635.3	1 000 000.0	1 807 752.2	1 000 000.0	1 817 869.2
105	05	992 077.5	7522.1	992 086.7	7638.9	992 095.9	7755.8	992 105.2	7872.8
113	10	84 155.0	7533.0	84 173.4	7649.7	84 191.9	7766.6	84 210.4	7883.7
121	15	76 232.5	7551.0	76 260.1	7667.8	76 287 8	7784.7	76 315.6	7901.7
	20	68 310.0	7576.2	68 346.7	7693.0	68 383.8	7809.9	68 420.8	7927.0
	25	60 387.6	7608.7	60 433.5	7725.5	60 479 7	7842.4	60 526.0	7959.5
	30	52 465.1	7648.3	52 520.3	7765.1	52 575.7	7882.1	52 631.2	7999.2
	35	44 542.8	7695.2	44 607.2	7812.1	44 671.9	7929.1	44-736.6	8046.2
	40	36 620.5	7749.2	36 694.1	7866.2	36 768.1	7983.2	36 842.1	8100.4
	45	28 698.2	7810.5	28 781.1	7927.5	28 864.3	8044.6	28 947.5	8161.8
74	50	20 776.0	7879.0	20 868.1	7996.1	20 960.5	8113.1	21 053.0	8230.4
82	55	12 853.7	7954.7	12 955.0	8071.8	13 056.7	8188.9	13 158.4	8306.3
90									
98	00	904 931.4	1 788 037.7	905 042.1	1 798 154.8	905 152.9	1 808 272.0	905 263.9	1 818 389.4
106	05	897 009.5	8127.8	897 129.3	8245.0	897 249.3	8362.3	897 369.6	8479.7
114	10	89 087.5	8225.1	89 216.5	8342.4	89 345.8	8459.7	89 475.3	8577.2
122	15	81 165.7	8329.7	81 304.0	8447.0	81 442.4	8564.4	81 581.2	8681.9
	20	73 244.0	8441.4	73 391.4	8558.8	73 539.1	8676.3	73 687.2	8793.9
	25	65 322.4	8560.4	65 479.1	8677.9	65 636.0	8795.4	65 793.3	8913.1
	30	57 400.7	8686.6	57 566.7	8804.2	57 732.9	8921.9	57 899.4	9039.6
	35	49 479.3	8820.0	49 654.5	8937.6	49 830.1	9055.3	50 005.8	9173.2
	40	41 557.9	8960.6	41 742.4	9078.4	41 927.1	9196.1	42 112.1	9314.1
	45	33 636.9	9108.5	33 830.6	9226.3	34 024.5	9344.2	34 218.8	9462.2
75	50	25 715.9	9263.5	25 918.7	9381.4	26 122.0	9499.4	26 325.4	9617.5
83	55	17 795.1	9425.8	18 007.1	9543.8	18 219.6	9661.8	18 432.3	9780.1
91									
99	00	809 874.2	1 789 595.1	810 095.6	1 799 713.3	810 317.2	1 809 831.4	810 539.2	1 819 949.8
107	05	801 953.7	9771.8	802 184.1	1 799 890.1	802 415.0	1 810 008.4	802 646.3	1 820 126.8
115	10	794 033.4	1 789 955.6	794 273.0	1 800 074.0	794 513.2	0192.5	794 753.7	0311.0
123	15	86 113.1	1 790 146.7	86 362.0	0265.3	86 611.3	0383.8	86 861.2	0502.5
	20	78 193.0	0345.1	78 451.2	0463.7	78 709.8	0582.4	78 968.8	0701.2
	25	70 273.1	0550.6	70 540.5	0669.4	70 808.3	0788.2	71 076.6	0907.1
	30	62 353.5	0763.3	62 630.1	0882.2	62 907.1	1001.1	63 184.7	1120.2
	35	54 434.0	0983.3	54 719.9	1102.2	55 006.2	1221.3	55 293.1	1340.5
	40	46 514.7	1210.3	46 809.8	1329.5	47 105.4	1448.8	47 401.4	1568.1
	45	38 595.5	1444.7	38 899.9	1564.0	39 204.7	1683.4	39 510.1	1802.9
76	50	30 676.7	1686.3	30 990.3	1805.7	31 304.3	1925.2	31 619.0	2044.9
84	55	22 758.1	1935.0	23 080.9	2054.6	23 404.1	2174.4	23 728.0	2294.1
92									
100	00	714 839.7	1 792 191.0	715 171.7	1 802 310.8	715 504.2	1 812 430.7	715 837.3	1 822 550.6
108	05	706 921.6	2454.2	707 262.8	2574.2	707 604.6	2694.2	07 947.0	2814.3
116	10	699 003.6	2724.5	699 354.1	2844.7	699 705.1	2964.9	700 056.8	3085.2
124	15	91 085.9	3002.2	91 445.6	3122.5	91 805.9	3242.9	692 166.8	3363.3
	20	83 168.5	3287.1	83 537.5	3407.5	83 907.0	3528.0	84 277.2	3648.7
	25	75 251.4	3579.0	75 629.5	3699.7	76 008.3	3820.5	76 387.8	3941.3
	30	67 334.5	3878.3	67 721.9	3999.2	68 109.9	4120.1	68 498.6	4241.1
	35	59 418.0	4184.7	59 814.6	4305.8	60 211.8	4426.9	60 609.7	4548.1
	40	51 501.6	4498.4	51 907.5	4619.6	52 314.1	4741.0	52 721.2	4862.4
	45	43 585.5	4819.2	44 000.6	4940.7	44 416.3	5062.3	44 832.9	5183.9
77	50	35 669.8	5147.3	36 094.1	5269.0	36 519.1	5390.8	36 944.8	5512.6
85	55	27 754.5	5482.6	28 188.0	5604.5	28 622.2	5726.5	29 057.3	5848.5
93									
101	00	619 839.2	1 795 825.1	620 282.1	1 805 947.3	620 725.5	1 816 069.4	621 169.9	1 826 191.7
109	05	11 924.4	6174.9	12 376.4	6297.2	12 829.2	6419.6	13 282.8	6542.1
117	10	604 010.0	6531.8	604 471.2	6654.5	604 933.2	6777.0	605 396.1	6899.7
125	15	596 095.8	6896.0	596 566.3	7018.8	597 037.6	7141.5	597 509.7	7264.5
	20	88 181.9	7267.3	88 661.7	7390.3	89 142.3	7513.4	89 623.6	7636.6
	25	80 268.4	7645.9	80 757.4	7769.2	81 247.4	7892.4	81 737.9	8015.9
	30	572 355.2	1 798 031.6	572 853.5	1 808 155.1	573 352.6	1 818 278.7	573 852.5	1 828 402.4

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 39° 00′.		Lat. 39° 05′.		Lat. 39° 10′.		Lat. 39° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 426 147.5	1 828 402.4	1 425 646.5	1 838 526.1	1 425 144.6	1 848 649.8	1 424 641.8	1 858 773.6
100 35	18 262.1	8015.9	17 770.4	8139.4	17 277.8	8262.8	16 784.3	8386.4
108 40	10 376.4	7636.6	09 894.0	7759.8	09 410.8	7883.0	08 926.6	8006.4
116 45	1 402 490.3	7264.5	1 402 017.1	7387.5	1 401 543.2	7510.5	1 401 068.4	7633.7
69 50	1 394 603.9	6899.7	1 394 140.2	7022.5	1 393 675.5	7145.3	1 393 210.0	7268.2
77 55	86 717.2	6542.1	86 262.7	6664.6	85 807.3	6787.2	85 351.2	6909.9
85								
93 00	1 378 830.1	1 826 191.7	1 378 384.8	1 836 314.1	1 377 938.9	1 846 436.4	1 377 492.0	1 856 558.9
101 05	70 942.7	5848.5	70 506.8	5970.7	70 070.1	6092.8	69 632.6	6215.1
109 10	63 055.2	5512.6	62 628.4	5634.6	62 201.0	5756.5	61 772.8	5878.6
117 15	55 167.1	5183.9	54 749.8	5305.6	54 331.6	5427.3	53 912.8	5549.2
20	47 278.8	4862.4	46 870.6	4983.9	46 461.8	5105.5	46 052.3	5227.2
25	39 390.3	4548.1	38 991.4	4669.5	38 591.9	4790.9	38 191.6	4912.3
30	31 501.4	4241.1	31 111.7	4362.3	30 721.6	4483.5	30 330.7	4604.8
35	23 612.2	3941.3	23 232.0	4062.2	22 851.0	4183.2	22 469.4	4304.4
40	15 722.8	3648.7	15 351.8	3769.5	14 980.2	3890.3	14 607.9	4011.2
45	1 307 833.2	3363.3	1 307 471.4	3483.9	1 307 109.2	3604.6	1 306 746.2	3725.4
70 50	1 299 943.2	3085.2	1 299 590.8	3205.6	1 299 237.8	3326.1	1 298 884.2	3446.8
78 55	92 053.0	2814.3	91 709.9	2934.6	91 366.2	3054.9	91 021.9	3175.3
86								
94 00	1 284 162.7	1 822 550.6	1 283 828.8	1 832 670.7	1 283 494.4	1 842 790.9	1 283 159.4	1 852 911.2
102 05	76 272.0	2294.1	75 947.4	2414.0	75 622.3	2534.0	75 296.6	2654.2
110 10	68 381.0	2044.9	68 065.8	2164.7	67 750.0	2284.5	67 433.6	2404.5
118 15	60 489.9	1802.9	60 183.9	1922.5	59 877.4	2042.2	59 570.3	2162 1
20	52 598.6	1568.1	52 301.8	1687.6	52 004.6	1807.1	51 706.8	1926.8
25	44 706.9	1340.5	44 419.5	1459.9	44 131.5	1579.3	43 843.0	1698.9
30	36 815.3	1120.2	36 537.1	1239.4	36 258.4	1358.7	35 979.2	1478.1
35	28 923.4	0907.1	28 654.5	1026.1	28 385.1	1145.3	28 115.2	1264.6
40	21 031.2	0701.2	20 771.5	0820.2	20 511.5	0939.1	20 251.0	1058.3
45	13 138.8	0502.5	12 888.4	0621.3	12 637.7	0740.2	12 386.4	0859.3
71 50	1 205 246.3	0311.0	1 205 005.2	0429.8	1 204 763.7	0548.5	1 204 521.8	0667.5
79 55	1 197 353.7	1 820 126.8	1 197 121.9	0245.4	1 196 889.6	0364.1	1 196 657.0	0482.9
87								
95 00	1 189 460.8	1 819 949.8	1 189 238.3	1 830 068.3	1 189 015.4	1 840 186.9	1 188 792.0	1 850 305.6
103 05	81 567.7	9780.1	81 354.4	1 829 898.5	81 140.9	1 840 016.9	80 926.8	1 850 135.5
111 10	73 674.6	9617.5	73 470.6	9735.8	73 266.3	1 839 854.2	73 061.6	1 849 972.7
119 15	65 781.2	9462.2	65 586.6	9580.4	65 391.5	9698.6	65 196.1	9817.1
20	57 887.9	9314.1	57 702.5	9432.1	57 516.7	9550.3	57 330.6	9668.7
25	49 994.2	9173.2	49 818.1	9291.2	49 641.7	9409.3	49 464.8	9527.6
30	42 100.6	9039.6	41 933.7	9157.5	41 766.6	9275.5	41 599.1	9393.7
35	34 206.7	8913.1	34 049.1	9031.0	33 891.3	9148.9	33 733.1	9267.0
40	26 312.8	8793.9	26 164.5	8911.7	26 015.9	9029.6	25 867.0	9147.6
45	18 418.8	8681.9	18 279.7	8799.6	18 140.3	8917.4	18 000.8	9035.4
72 50	10 524.7	8577.2	10 394.9	8694.8	10 264.8	8812.5	10 134.6	8930.4
80 55	1 102 630.4	8479.7	1 102 509.9	8597.2	1 102 389.1	8714.9	1 102 268.2	8832.8
88								
96 00	1 094 736.1	1 818 389.4	1 094 624.9	1 828 506.9	1 094 513.4	1 838 624.5	1 094 401.8	1 848 742.3
104 05	86 841.6	8306.3	86 739.6	8423.8	86 637.4	8541.3	86 535.1	8659.0
112 10	78 947.0	8230.4	78 854.3	8347.9	78 761.4	8465.4	78 668.4	8583.1
120 15	71 052.5	8161.8	70 969.0	8279.2	70 885.4	8396.6	70 801.7	8514.3
20	63 157.9	8100.4	63 083.7	8217.7	63 009.4	8335.1	62 935.0	8452.8
25	55 263.4	8046.2	55 198.4	8163.5	55 133.4	8280.9	55 068.3	8398.5
30	47 368.8	7999.2	47 313.1	8116.5	47 257.4	8233.9	47 201.6	8351.5
35	39 474.0	7959.5	39 427.6	8076.8	39 381.2	8194.1	39 334.7	8311.7
40	31 579.2	7927.0	31 542.1	8044.2	31 504.9	8161.6	31 467.7	8279.1
45	23 684.4	7901.7	23 656.5	8018.9	23 628.7	8136.2	23 600.8	8253.7
73 50	15 789.6	7883.7	15 771.0	8000.9	15 752.5	8118.2	15 733.9	8235.7
81 55	07 894.8	7872.8	07 885.5	7990.0	07 876.2	8107.3	07 866.9	8224.8
89								
97 00	1 000 000.0	1 817 869.2	1 000 000.0	1 827 986.4	1 000 000.0	1 838 103.7	1 000 000.0	1 848 221.2
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 39° 00′.		Lat. 39° 05′.		Lat. 39° 10′.		Lat. 39° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	1 817 869.2	1 000 000.0	1 827 986.4	1 000 000.0	1 838 103.7	1 000 000.0	1 848 221.2
105 05	992 105.2	7872.8	992 114.5	7990.0	992 123.8	8107.3	992 133.1	8224.8
113 10	84 210.4	7883.7	84 229.0	8000.9	84 247.5	8118.2	84 266.1	8235.7
121 15	76 315.6	7901.7	76 343.5	8018.9	76 371.3	8136.2	76 399.2	8253.7
20	68 420.8	7927.0	68 457.9	8044.2	68 495.1	8161.6	68 532.3	8279.1
25	60 526.0	7959.5	60 572.4	8076.8	60 618.8	8194.1	60 665.3	8311.7
30	52 631.2	7999.2	52 686.9	8116.5	52 742.6	8233.9	52 798.4	8351.5
35	44 736.6	8046.2	44 801.6	8163.5	44 866.6	8280.9	44 931.7	8398.5
40	36 842.1	8100.4	36 916.3	8217.7	36 990.6	8335.1	37 065.0	8452.8
45	28 947.5	8161.8	29 031.0	8279.2	29 114.6	8396.6	29 198.3	8514.3
74 50	21 053.0	8230.4	21 145.7	8347.9	21 238.6	8465.4	21 331.6	8583.1
82 55	13 158.4	8306.3	13 260.4	8423.8	13 362.6	8541.3	13 464.9	8659.0
90								
98 00	905 263.9	1 818 389.4	905 375.1	1 828 506.9	905 486.6	1 838 624.5	905 598.2	1 848 742.3
106 05	897 369.6	8479.7	897 490.1	8597.2	897 610.9	8714.9	897 731.8	8832.8
114 10	89 475.3	8577.2	89 605.1	8694.8	89 735.2	8812.5	89 865.4	8930.4
122 15	81 581.2	8681.9	81 720.3	8799.6	81 859.7	8917.4	81 999.2	9035.4
20	73 687.2	8793.9	73 835.5	8911.7	73 984.1	9029.6	74 133.0	9147.6
25	65 793.3	8913.1	65 950.9	9031.0	66 108.7	9148.9	66 266.9	9267.0
30	57 899.4	9039.6	58 066.3	9157.5	58 233.4	9275.5	58 400.9	9393.7
35	50 005.8	9173.2	50 181.9	9291.2	50 358.3	9409.3	50 535.2	9527.6
40	42 112.1	9314.1	42 297.5	9432.1	42 483.3	9550.3	42 669.4	9668.7
45	34 218.8	9462.2	34 413.4	9580.4	34 608.5	9698.6	34 803.9	9817.1
75 50	26 325.4	9617.5	26 529.4	9735.8	26 733.7	1 839 854.2	26 938.4	1 849 972.7
83 55	18 432.3	9780.1	18 645.6	1 829 898.5	18 859.1	1 840 016.9	19 073.2	1 850 135.5
91								
99 00	810 539.2	1 819 949.8	810 761.7	1 830 068.3	810 984.6	1 840 186.9	811 208.0	1 850 305.6
107 05	802 646.3	1 820 126.8	802 878.1	0245.4	803 110.4	0364.1	803 343.0	0482.9
115 10	794 753.7	0311.0	794 994.8	0429.8	795 236.3	0548.5	795 478.2	0667.5
123 15	86 861.2	0502.5	87 111.6	0621.3	87 362.3	0740.2	87 613.6	0859.3
20	78 968.8	0701.2	79 228.5	0820.2	79 488.5	0939.1	79 749.0	1058.3
25	71 076.6	0907.1	71 345.5	1026.1	71 614.9	1145.3	71 884.8	1264.6
30	63 184.7	1120.2	63 462.9	1239.4	63 741.6	1358.7	64 020.8	1478.1
35	55 293.1	1340.5	55 580.5	1459.9	55 868.5	1579.3	56 157.0	1698.9
40	47 401.4	1568.1	47 698.2	1687.6	47 995.4	1807.1	48 293.2	1926.8
45	39 510.1	1802.9	39 816.1	1922.5	40 122.6	2042.2	40 429.7	2162.1
76 50	31 619.0	2044.9	31 934.2	2164.7	32 250.0	2284.5	32 566.4	2404.5
84 55	23 728.0	2294.1	24 052.6	2414.0	24 377.7	2534.0	24 703.4	2654.2
92								
100 00	715 837.3	1 822 550.6	716 171.2	1 832 670.7	716 505.6	1 842 790.9	716 840.6	1 852 911.2
108 05	07 947.0	2814.3	08 290.1	2934.6	08 633.8	3054.9	08 978.1	3175.3
116 10	700 056.8	3085.2	700 409.2	3205.6	700 762.2	3326.1	701 115.8	3446.8
124 15	692 166.8	3363.3	692 528.6	3483.9	692 890.8	3604.6	693 253.8	3725.4
20	84 277.2	3648.7	84 648.2	3769.5	85 019.8	3890.3	85 392.1	4011.2
25	76 387.8	3941.3	76 768.0	4062.2	77 149.0	4183.2	77 530.6	4304.4
30	68 498.6	4241.1	68 888.3	4362.3	69 278.4	4483.5	69 669.3	4604.8
35	60 609.7	4548.1	61 008.6	4669.5	61 408.1	4790.9	61 808.4	4912.3
40	52 721.2	4862.4	53 129.4	4983.9	53 538.2	5105.5	53 947.7	5227.2
45	44 832.9	5183.9	45 250.2	5305.6	45 668.4	5427.3	46 087.2	5549.2
77 50	36 944.8	5512.6	37 371.6	5634.6	37 799.0	5756.5	38 227.2	5878.6
85 55	29 057.3	5848.5	29 493.2	5970.7	29 929.9	6092.8	30 367.4	6215.1
93								
101 00	621 169.9	1 826 191.7	621 615.2	1 836 314.1	622 061.1	1 846 436.4	622 508.0	1 856 558.9
109 05	13 282.8	6542.1	13 737.3	6664.6	14 192.7	6787.2	14 648.8	6909.9
117 10	605 396.1	6899.7	605 859.8	7022.5	606 324.5	7145.3	606 790.0	7268.2
125 15	597 509.7	7264.5	597 982.9	7387.5	598 456.8	7510.5	598 931.6	7633.7
20	89 623.6	7636.6	90 106.0	7759.8	90 589.2	7883.0	91 073.4	8006.4
25	81 737.9	8015.9	82 229.6	8139.4	82 722.2	8262.8	83 215.7	8386.4
30	573 852.5	1 828 402.4	574 353.5	1 838 526.1	574 855.4	1 848 649.8	575 358.2	1 858 773.6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 39° 15′.		Lat. 39° 20′.		Lat. 39° 25′.		Lat. 39° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 424 641.8	1 858 773.6	1 424 138.2	1 868 897.5	1 423 633.8	1 879 021.4	1 423 128.3	1 889 145.5
100	35	16 784.3	8386.4	16 290.1	8510.0	15 795.0	8633.7	15 299.0	8757.6
108	40	08 926.6	8006.4	08 441.7	8129.8	07 955.8	8253.3	1 407 469.2	8377.0
116	45	1 401 068.4	7633.7	1 400 592.8	7756.8	1 400 116.4	7880.1	1 399 639.1	8003.6
69	50	1 393 210.0	7268.2	1 392 743.8	7391.1	1 392 276.8	7514.2	91 808.8	7637.4
77	55	85 351.2	6909.9	84 894.2	7032.7	84 436.5	7155.6	83 978.0	7278.6
85									
93	00	1 377 492.0	1 856 558.9	1 377 044.4	1 866 681.5	1 376 596.1	1 876 804.2	1 376 146.9	1 886 926.9
101	05	69 632.6	6215.1	69 194.3	6337.5	68 755.4	6459.9	68 315.5	6582.5
109	10	61 772.8	5878.6	61 343.9	6000.7	60 914.2	6123.0	60 483.8	6245.4
117	15	53 912.8	5549.2	53 493.1	5671.2	53 072.9	5793.3	52 651.8	5915.5
	20	46 052.3	5227.2	45 642.1	5348.9	45 231.1	5470.8	44 819.4	5592.9
	25	38 191.6	4912.3	37 790.7	5033.9	37 389.2	5155.6	36 986.8	5277.5
	30	30 330.7	4604.8	29 939.1	4726.1	29 546.8	4847.6	29 153.9	4969.3
	35	22 469.4	4304.4	22 087.2	4425.6	21 704.4	4546.9	21 320.7	4668.4
	40	14 607.9	4011.2	14 235.0	4132.3	13 861.5	4253.5	13 487.2	4374.8
	45	1 306 746.2	3725.4	1 306 382.6	3846.2	1 306 018.4	3967.2	1 305 653.5	4088.4
70	50	1 298 884.2	3446.8	1 298 529.9	3567.4	1 298 175.1	3688.3	1 297 819.5	3809.3
78	55	91 021.9	3175.3	90 677.0	3295.9	90 331.5	3416.6	89 985.4	3537.4
86									
94	00	1 283 159.4	1 852 911.2	1 282 823.8	1 863 031.5	1 282 487.6	1 873 152.1	1 282 150.8	1 883 272.8
102	05	75 296.6	2654.2	74 970.2	2774.4	74 643.4	2894.8	74 316.0	3015.4
110	10	67 433.6	2404.5	67 116.6	2524.6	66 799.1	2644.9	66 481.0	2765.3
118	15	59 570.3	2162.1	59 262.7	2282.0	58 954.6	2402.1	58 645.8	2522.4
	20	51 706.8	1926.8	51 408.5	2046.7	51 109.8	2166.6	50 810.5	2286.7
	25	43 843.0	1698.9	43 554.1	1818.5	43 264.7	1938.4	42 974.7	2058.4
	30	35 979.2	1478.1	35 699.6	1597.7	35 419.6	1717.4	35 138.9	1837.2
	35	28 115.2	1264.6	27 844.9	1384.0	27 574.2	1503.6	27 302.9	1623.3
	40	20 251.0	1058.3	19 990.0	1177.6	19 728.5	1297.0	19 466.6	1416.7
	45	12 386.4	0859.3	12 134.8	0978.4	11 882.8	1097.8	11 630.2	1217.3
71	50	1 204 521.8	0667.5	1 204 279.5	0786.6	1 204 036.8	0905.8	1 203 793.6	1025.2
79	55	1 196 657.0	0482.9	1 196 424.0	0601.9	1 196 190.6	0721.0	1 195 956.8	0840.3
87									
95	00	1 188 792.0	1 850 305.6	1 188 568.3	1 860 424.5	1 188 344.3	1 870 543.4	1 188 119.8	1 880 662.7
103	05	80 926.8	1 850 135.5	80 712.4	0254.3	80 497.7	0373.2	80 282.6	0492.3
111	10	73 061.6	1 849 972.7	72 856.6	1 860 091.3	72 651.2	0210.2	72 445.4	0329.2
119	15	65 196.1	9817.1	65 000.4	1 859 935.7	64 804.4	1 870 054.3	64 608.0	0173.3
	20	57 330.6	9668.7	57 144.2	9787.1	56 957.5	1 869 905.7	56 770.5	1 880 024.6
	25	49 464.8	9527.6	49 287.8	9645.9	49 110.4	9764.5	48 932.8	1 879 883.3
	30	41 599.1	9393.7	41 431.3	9512.0	41 263.3	9630.4	41 095.0	9749.1
	35	33 733.1	9267.0	33 574.7	9385.2	33 416.0	9503.6	33 257.0	9622.3
	40	25 867.0	9147.6	25 717.9	9265.7	25 568.6	9384.1	25 418.9	9502.6
	45	18 000.8	9035.4	17 861.0	9153.5	17 721.1	9271.8	17 580.7	9390.2
72	50	10 134.6	8930.4	10 004.1	9048.5	09 873.4	9166.7	09 742.5	9285.1
80	55	1 102 268.2	8832.8	1 102 147.1	8950.7	1 102 025.7	9068.9	1 101 904.1	9187.2
88									
96	00	1 094 401.8	1 848 742.3	1 094 289.9	1 858 860.2	1 094 177.9	1 868 978.3	1 094 065.7	1 879 096.6
104	05	86 535.1	8659.0	86 432.5	8776.9	86 329.8	8894.9	86 227.1	9013.2
112	10	78 668.4	8583.1	78 575.2	8700.9	78 481.7	8818.9	78 388.4	8937.1
120	15	70 801.7	8514.3	70 717.8	8632.1	70 633.7	8750.0	70 549.7	8868.2
	20	62 935.0	8452.8	62 860.4	8570.5	62 785.6	8688.4	62 711.0	8806.6
	25	55 068.3	8398.5	55 003.1	8516.2	54 937.6	8634.1	54 872.3	8752.2
	30	47 201.6	8351.5	47 145.7	8469.1	47 089.7	8587.0	47 033.6	8705.1
	35	39 334.7	8311.7	39 288.1	8429.3	39 241.5	8547.2	39 194.7	8665.2
	40	31 467.7	8279.1	31 430.5	8396.7	31 393.2	8514.6	31 355.7	8632.6
	45	23 600.8	8253.7	23 572.9	8371.4	23 544.9	8489.2	23 516.8	8607.2
73	50	15 733.9	8235.7	15 715.2	8353.3	15 696.6	8471.1	15 677.9	8589.1
81	55	07 866.9	8224.8	07 857.7	8342.4	07 848.3	8460.2	07 838.9	8578.2
89									
97	00	1 000 000.0	1 848 221.2	1 000 000.0	1 858 338.8	1 000 000.0	1 868 456.6	1 000 000.0	1 878 574.6
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 39° 15′.		Lat. 39° 20′.		Lat. 39° 25′.		Lat. 39° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	1 848 221.2	1 000 000.0	1 858 338.8	1 000 000.0	1 868 456.6	1 000 000.0	1 878 574.6
105 05	992 133.1	8224.8	992 142.3	8342.4	992 151.7	8460.2	992 161.1	8578.2
113 10	84 266.1	8235.7	84 284.8	8353.3	84 303.4	8471.1	84 322.1	8589.1
121 15	76 399.2	8253.7	76 427.1	8371.4	76 455.1	8489.2	76 483.2	8607.2
20	68 532.3	8279.1	68 569.5	8396.7	68 606.8	8514.6	68 644.3	8632.6
25	60 665.3	8311.7	60 711.9	8429.3	60 758.5	8547.2	60 805.3	8665.2
30	52 798.4	8351.5	52 854.3	8469.1	52 910.3	8587.0	52 966.4	8705.1
35	44 931.7	8398.5	44 996.9	8516.2	45 062.4	8634.1	45 127.7	8752.2
40	37 065.0	8452.8	37 139.6	8570.5	37 214.4	8688.4	37 289.0	8806.6
45	29 198.3	8514.3	29 282.2	8632.1	29 366.3	8750.0	29 450.3	8868.2
74 50	21 331.6	8583.1	21 424.8	8700.9	21 518.3	8818.9	21 611.6	8937.1
82 55	13 464.9	8659.0	13 567.5	8776.9	13 670.2	8894.9	13 772.9	9013.2
90								
98 00	905 598.2	1 848 742.3	905 710.1	1 858 860.2	905 822.1	1 868 978.3	905 934.3	1 879 096.6
106 05	897 731.8	8832.8	897 852.9	8950.7	897 974.3	9068.9	898 095.9	9187.2
114 10	89 865.4	8930.4	89 995.9	9048.5	90 126.6	9166.7	90 257.5	9285.1
122 15	81 999.2	9035.4	82 139.0	9153.5	82 278.9	9271.8	82 419.3	9390.2
20	74 133.0	9147.6	74 282.1	9265.7	74 431.4	9384.1	74 581.1	9502.6
25	66 266.9	9267.0	66 425.3	9385.2	66 584.0	9503.6	66 743.0	9622.3
30	58 400.9	9393.7	58 568.7	9512.0	58 736.7	9630.4	58 905.0	9749.1
35	50 535.2	9527.6	50 712.2	9645.9	50 889.6	9764.5	51 067.2	1 879 883.3
40	42 669.4	9668.7	42 855.8	9787.1	43 042.5	1 869 905.7	43 229.5	1 880 024.6
45	34 803.9	9817.1	34 999.6	1 859 935.7	35 195.6	1 870 054.3	35 392.0	0173.3
75 50	26 938.4	1 849 972.7	27 143.4	1 860 091.3	27 348.8	0210.2	27 554.6	0329.2
83 55	19 073.2	1 850 135.5	19 287.6	0254.3	19 502.3	0373.2	19 717.4	0492.3
91								
99 00	811 208.0	1 850 305.6	811 431.7	1 860 424.5	811 655.7	1 870 543.4	811 880.2	1 880 662.7
107 05	803 343.0	0482.9	803 576.0	0601.9	803 809.4	0721.0	804 043.2	0840.3
115 10	795 478.2	0667.5	795 720.5	0786.6	795 963.2	0905.8	796 206.4	1025.2
123 15	87 613.6	0859.3	87 865.2	0978.4	88 117.2	1097.8	88 369.8	1217.3
20	79 749.0	1058.3	80 010.0	1177.6	80 271.5	1297.0	80 533.4	1416.7
25	71 884.8	1264.6	72 155.1	1384.0	72 425.8	1503.6	72 697.1	1623.3
30	64 020.8	1478.1	64 300.4	1597.7	64 580.4	1717.4	64 861.1	1837.2
35	56 157.0	1698.9	56 445.9	1818.5	56 735.3	1938.4	57 025.3	2058.4
40	48 293.2	1926.8	48 591.5	2046.7	48 890.2	2166.6	49 189.5	2286.7
45	40 429.7	2162.1	40 737.3	2282.0	41 045.4	2402.1	41 354.2	2522.4
76 50	32 566.4	2404.5	32 883.4	2524.6	33 200.9	2644.9	33 519.0	2765.3
84 55	24 703.4	2654.2	25 029.8	2774.4	25 356.6	2894.8	25 684.0	3015.4
92								
100 00	716 840.6	1 852 911.2	717 176.2	1 863 031.5	717 512.4	1 873 152.1	717 849.2	1 883 272.8
108 05	08 978.1	3175.3	09 323.0	3295.9	09 668.5	3416.6	10 014.6	3537.4
116 10	701 115.8	3446.8	701 470.1	3567.4	701 824.9	3688.3	702 180.5	3809.3
124 15	693 253.8	3725.4	693 617.4	3846.2	693 981.6	3967.2	694 346.5	4088.4
20	85 392.1	4011.2	85 765.0	4132.3	86 138.5	4253.5	86 512.8	4374.8
25	77 530.6	4304.4	77 912.8	4425.6	78 295.6	4546.9	78 679.3	4668.4
30	69 669.3	4604.8	70 060.9	4726.1	70 453.2	4847.6	70 846.1	4969.3
35	61 808.4	4912.3	62 209.3	5033.9	62 610.8	5155.6	63 013.2	5277.5
40	53 947.7	5227.2	54 357.9	5348.9	54 768.9	5470.8	55 180.6	5592.9
45	46 087.2	5549.2	46 506.9	5671.2	46 927.1	5793.3	47 348.2	5915.5
77 50	38 227.2	5878.6	38 656.1	6000.7	39 085.8	6123.0	39 516.2	6245.4
85 55	30 367.4	6215.1	30 805.7	6337.5	31 244.6	6459.9	31 684.5	6582.5
93								
101 00	622 508.0	1 856 558.9	622 955.6	1 866 681.5	623 403.9	1 876 804.2	623 853.1	1 886 926.9
109 05	14 648.8	6909.9	15 105.8	7032.7	15 563.5	7155.6	16 022.0	7278.6
117 10	606 790.0	7268.2	607 256.2	7391.1	607 723.2	7514.2	08 191.2	7637.4
125 15	598 931.6	7633.7	599 407.2	7756.8	599 883.6	7880.1	600 360.9	8003.6
20	91 073.4	8006.4	91 558.3	8129.8	92 044.2	8253.3	592 530.8	8377.0
25	83 215.7	8386.4	83 709.9	8510.0	84 205.0	8633.7	84 701.0	8757.6
30	575 358.2	1 858 773.6	575 861.8	1 868 897.5	576 366.2	1 879 021.4	576 871.7	1 889 145.5

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 39° 30′.		Lat. 39° 35′.		Lat. 39° 40′.		Lat. 39° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 423 128.3	1 889 145.5	1 422 622.0	1 899 269.5	1 422 114.7	1 909 393.6	1 421 606.5	1 919 517.9
100	35	15 299.0	8757.6	14 802.1	8881.5	14 304.2	9005.3	13 805.4	9129.3
108	40	1 407 469.2	8377.0	1 406 981.7	8500.6	1 406 493.3	8624.2	1 406 004.0	8748.0
116	45	1 399 639.1	8003.6	1 399 161.0	8126.9	1 398 681.9	8250.4	1 398 202.1	8374.0
69	50	91 808.8	7637.4	91 340.0	7760.7	90 870.3	7883.9	90 399.9	8007.2
77	55	83 978.0	7278.6	83 518.5	7401.5	83 058.3	7524.6	82 597.2	7647.8
85									
93	00	1 376 146.9	1 886 926.9	1 375 696.9	1 897 049.7	1 375 246.2	1 907 172.6	1 374 794.5	1 917 295.5
101	05	68 315.5	6582.5	67 874.9	6705.1	67 433.5	6827.8	66 991.3	6950.6
109	10	60 483.8	6245.4	60 052.6	6367.9	59 620.6	6490.3	59 187.8	6612.9
117	15	52 651.8	5915.5	52 229.8	6037.7	51 807.2	6160.0	51 383.9	6282.4
	20	44 819.4	5592.9	44 406.9	5714.9	43 993.7	5837.0	43 579.8	5959.3
	25	36 986.8	5277.5	36 583.6	5399.3	36 179.8	5521.3	35 775.4	5643.3
	30	29 153.9	4969.3	28 760.2	5091.0	28 365.8	5212.8	27 970.7	5334.7
	35	21 320.7	4668.4	20 936.4	4790.0	20 551.4	4911.6	20 165.7	5033.3
	40	13 487.2	4374.8	13 112.2	4496.2	12 736.6	4617.6	12 360.4	4739.2
	45	1 305 653.5	4088.4	1 305 288.0	4209.7	1 304 921.8	4330.9	1 304 554.9	4452.3
70	50	1 297 819.5	3809.3	1 297 463.3	3930.3	1 297 106.5	4051.4	1 296 749.1	4172.7
78	55	89 985.4	3537.4	89 638.5	3658.3	89 291.0	3779.3	88 943.0	3900.4
86									
94	00	1 282 150.8	1 883 272.8	1 281 813.3	1 893 393.5	1 281 475.3	1 903 514.3	1 281 136.7	1 913 635.3
102	05	74 316.0	3015.4	73 988.0	3136.0	73 659.3	3256.7	73 330.1	3377.5
110	10	66 481.0	2765.3	66 162.4	2885.7	65 843.2	3006.3	65 523.3	3126.9
118	15	58 645.8	2522.4	58 336.5	2642.7	58 026.7	2763.1	57 716.4	2883.7
	20	50 810.5	2286.7	50 510.5	2406.9	50 210.0	2527.2	49 909.0	2647.6
	25	42 974.7	2058.4	42 684.1	2178.4	42 393.1	2298.5	42 101.6	2418.8
	30	35 138.9	1837.2	34 857.7	1957.1	34 576.1	2077.2	34 293.9	2197.4
	35	27 302.9	1623.3	27 031.1	1743.1	26 758.8	1863.0	26 486.1	1983.1
	40	19 466.6	1416.7	19 204.2	1536.4	18 941.4	1656.2	18 678.0	1776.1
	45	11 630.2	1217.3	11 377.1	1336.9	11 123.6	1456.6	10 869.7	1576.4
71	50	1 203 793.6	1025.2	1 203 549.9	1144.6	1 203 305.9	1264.2	1 203 061.4	1384.0
79	55	1 195 956.8	0840.3	1 195 722.6	0959.7	1 195 487.8	1079.1	1 195 252.8	1198.8
87									
95	00	1 188 119.8	1 880 662.7	1 187 894.9	1 890 782.0	1 187 669.6	1 900 901.3	1 187 444.0	1 911 020.9
103	05	80 282.6	0492.3	80 067.1	0611.5	79 851.2	0730.8	79 634.9	0850.2
111	10	72 445.4	0329.2	72 239.3	0448.3	72 032.8	0567.4	71 825.9	0686.8
119	15	64 608.0	0173.3	64 411.3	0292.3	64 214.0	0411.4	64 016.6	0530.7
	20	56 770.5	1 880 024.6	56 583.1	0143.5	56 395.3	0262.6	56 207.3	0381.8
	25	48 932.8	1 879 883.3	48 754.7	1 890 002.2	48 576.3	1 900 121.0	48 397.7	0240.2
	30	41 095.0	9749.1	40 926.2	1 889 867.9	40 757.3	1 899 986.7	40 588.0	1 910 105.8
	35	33 257.0	9622.3	33 097.6	9741.0	32 938.0	9859.8	32 778.2	1 909 978.7
	40	25 418.9	9502.6	25 269.0	9621.3	25 118.8	9740.0	24 968.4	9858.9
	45	17 580.7	9390.2	17 440.2	9508.7	17 299.4	9627.5	17 158.3	9746.4
72	50	09 742.5	9285.1	09 611.3	9403.6	09 479.9	9522.2	09 348.2	9641.0
80	55	1 101 904.1	9187.2	1 101 782.3	9305.7	1 101 660.3	9424.3	1 101 538.1	9543.0
88									
96	00	1 094 065.7	1 879 096.6	1 093 953.3	1 889 215.1	1 093 840.7	1 899 333.5	1 093 727.8	1 909 452.2
104	05	86 227.1	9013.2	86 124.0	9131.5	86 020.8	9250.0	85 917.2	9368.7
112	10	78 388.4	8937.1	78 294.6	9055.5	78 200.8	9173.8	78 106.7	9292.4
120	15	70 549.7	8868.2	70 465.3	8986.5	70 380.8	9104.8	70 296.3	9223.4
	20	62 711.0	8806.6	62 636.0	8924.9	62 560.9	9043.2	62 485.7	9161.7
	25	54 872.3	8752.2	54 806.7	8870.5	54 741.0	8988.8	54 675.1	9107.2
	30	47 033.6	8705.1	46 977.4	8823.3	46 921.0	8941.6	46 864.6	9060.1
	35	39 194.7	8665.2	39 147.8	8783.4	39 100.8	8901.7	39 053.9	9020.1
	40	31 355.7	8632.6	31 318.2	8750.7	31 280.7	8869.0	31 243.1	8987.4
	45	23 516.8	8607.2	23 488.7	8725.3	23 460.5	8843.6	23 432.3	8962.0
73	50	15 677.9	8589.1	15 659.2	8707.2	15 640.3	8825.4	15 621.5	8943.8
81	55	07 838.9	8578.2	07 829.6	8696.3	07 820.2	8814.5	07 810.8	8932.9
89									
97	00	1 000 000.0	1 878 574.6	1 000 000.0	1 888 692.7	1 000 000.0	1 898 810.9	1 000 000.0	1 908 929.3
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 39° 30′.		Lat. 39° 35′.		Lat. 39° 40′.		Lat. 39° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 878 574.6	1 000 000.0	1 888 692.7	1 000 000.0	1 898 810.9	1 000 000.0	1 908 929.3
105	05	992 161.1	8578.2	992 170.4	8696.3	992 179.8	8814.5	992 189.2	8932.9
113	10	84 322.1	8589.1	84 340.8	8707.2	84 359.7	8825.4	84 378.5	8943.8
121	15	76 483.2	8607.2	76 511.3	8725.3	76 539.5	8843.6	76 567.7	8962.0
	20	68 644.3	8632.6	68 681.8	8750.7	68 719.3	8869.0	68 756.9	8987.4
	25	60 805.3	8665.2	60 852.2	8783.4	60 899.2	8901.7	60 946.1	9020.1
	30	52 966.4	8705.1	53 022.6	8823.3	53 079.0	8941.6	53 135.4	9060.1
	35	45 127.7	8752.2	45 193.3	8870.5	45 259.0	8988.8	45 324.9	9107.2
	40	37 289.0	8806.6	37 364.0	8924.9	37 439.1	9043.2	37 514.3	9161.7
	45	29 450.3	8868.2	29 534.7	8986.5	29 619.2	9104.8	29 703.7	9223.4
74	50	21 611.6	8937.1	21 705.4	9055.5	21 799.2	9173.8	21 893.3	9292.4
82	55	13 772.9	9013.2	13 876.0	9131.5	13 979.2	9250.0	14 082.8	9368.7
90									
98	00	905 934.3	1 879 096.6	906 046.7	1 889 215.1	906 159.3	1 899 333.5	906 272.2	1 909 452.2
106	05	898 095.9	9187.2	898 217.7	9305.7	898 339.7	9424.3	898 461.9	9543.0
114	10	90 257.5	9285.1	90 388.7	9403.6	90 520.1	9522.2	90 651.8	9641.0
122	15	82 419.3	9390.2	82 559.8	9508.7	82 700.6	9627.5	82 841.7	9746.4
	20	74 581.1	9502.6	74 731.0	9621.3	74 881.2	9740.0	75 031.6	9858.9
	25	66 743.0	9622.3	66 902.4	9741.0	67 062.0	9859.8	67 221.8	1 909 978.7
	30	58 905.0	9749.1	59 073.8	1 889 867.9	59 242.7	1 899 986.7	59 412.0	1 910 105.8
	35	51 067.2	1 879 883.3	51 245.3	1 890 002.2	51 423.7	1 900 121.0	51 602.3	0240.2
	40	43 229.5	1 880 024.6	43 416.9	0143.5	43 604.7	0262.6	43 792.7	0381.8
	45	35 392.0	0173.3	35 588.7	0292.3	35 786.0	0411.4	35 983.4	0530.7
75	50	27 554.6	0329.2	27 760.7	0448.3	27 967.2	0567.4	28 174.1	0686.8
83	55	19 717.4	0492.3	19 932.9	0611.5	20 148.8	0730.8	20 365.1	0850.2
91									
99	00	811 880.2	1 880 662.7	812 105.1	1 890 782.0	812 330.4	1 900 901.3	812 556.0	1 911 020.9
107	05	804 043.2	0840.3	804 277.4	0959.7	804 512.2	1079.1	804 747.2	1198.8
115	10	796 206.4	1025.2	796 450.1	1144.6	796 694.1	1264.2	796 938.6	1384.0
123	15	88 369.8	1217.3	88 622.9	1336.9	88 876.4	1456.6	89 130.3	1576.4
	20	80 533.4	1416.7	80 795.8	1536.4	81 058.6	1656.2	81 322.0	1776.1
	25	72 697.1	1623.3	72 968.9	1743.1	73 241.2	1863.0	73 513.9	1983.1
	30	64 861.1	1837.2	65 142.3	1957.1	65 423.9	2077.2	65 706.1	2197.4
	35	57 025.3	2058.4	57 315.9	2178.4	57 606.9	2298.5	57 898.4	2418.8
	40	49 189.5	2286.7	49 489.5	2406.9	49 790.0	2527.2	50 091.0	2647.6
	45	41 354.2	2522.4	41 663.5	2642.7	41 973.3	2763.1	42 283.6	2883.7
76	50	33 519.0	2765.3	33 837.6	2885.7	34 156.8	3006.3	34 476.7	3126.9
84	55	25 684.0	3015.4	26 012.0	3136.0	26 340.7	3256.7	26 669.9	3377.5
92									
100	00	717 849.2	1 883 272.8	718 186.7	1 893 393.5	718 524.7	1 903 514.3	718 863.3	1 913 635.3
108	05	10 014.6	3537.4	10 361.5	3658.3	10 709.0	3779.3	11 057.0	3900.4
116	10	702 180.5	3809.3	702 536.7	3930.3	702 893.5	4051.4	703 250.9	4172.7
124	15	694 346.5	4088.4	694 712.0	4209.7	695 078.2	4330.9	695 445.1	4452.3
	20	86 512.8	4374.8	86 887.8	4496.2	87 263.4	4617.6	87 639.6	4739.2
	25	78 679.3	4668.4	79 063.6	4790.0	79 448.6	4911.6	79 834.3	5033.3
	30	70 846.1	4969.3	71 239.8	5091.0	71 634.2	5212.8	72 029.3	5334.7
	35	63 013.2	5277.5	63 416.4	5399.3	63 820.2	5521.3	64 224.6	5643.3
	40	55 180.6	5592.9	55 593.1	5714.9	56 006.3	5837.0	56 420.2	5959.3
	45	47 348.2	5915.5	47 770.2	6037.7	48 192.8	6160.0	48 616.1	6282.4
77	50	39 516.2	6245.4	39 947.4	6367.9	40 379.4	6490.3	40 812.2	6612.9
85	55	31 684.5	6582.5	32 125.1	6705.1	32 566.5	6827.8	33 008.7	6950.6
93									
101	00	623 853.1	1 886 926.9	624 303.1	1 897 049.7	624 753.8	1 907 172.6	625 205.5	1 917 295.5
109	05	16 022.0	7278.6	16 481.5	7401.5	16 941.7	7524.6	17 402.8	7647.8
117	10	08 191.2	7637.4	08 660.0	7760.7	09 129.7	7883.9	09 600.1	8007.2
125	15	600 360.9	8003.6	600 839.0	8126.9	601 318.1	8250.4	601 797.9	8374.0
	20	592 530.8	8377.0	593 018.3	8500.6	593 506.7	8624.2	593 996.0	8748.0
	25	84 701.0	8757.6	85 197.9	8881.5	85 695.8	9005.3	86 194.6	9129.3
	30	576 871.7	1 889 145.5	577 378.0	1 899 269.5	577 885.3	1 909 393.6	578 393.5	1 919 517.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 39° 45′.		Lat. 39° 50′.		Lat. 39° 55′.		Lat. 40° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68									
76									
84									
92	30	1 421 606.5	1 919 517.9	1 421 097.5	1 929 642.1	1 420 587.6	1 939 766.3	1 420 077.0	1 949 890.6
100	35	13 805.4	9129.3	13 305.8	9253.3	12 805.4	9377.2	12 304.2	9501.4
108	40	1 406 004.0	8748.0	1 405 513.8	8871.8	1 405 022.7	8995.6	1 404 531.1	9119.6
116	45	1 398 202.1	8374.0	1 397 721.4	8497.6	1 397 239.8	8621.2	1 396 757.6	8745.0
69	50	90 399.9	8007.2	89 928.6	8130.6	89 456.6	8254.0	88 983.9	8377.6
77	55	82 597.2	7647.8	82 135.5	7771.0	81 672.9	7894.2	81 209.6	8017.6
85									
93	00	1 374 794.5	1 917 295.5	1 374 342.1	1 927 418.6	1 373 889.0	1 937 541.6	1 373 435.2	1 947 664.8
101	05	66 991.3	6950.6	66 548.3	7073.4	66 104.7	7196.3	65 660.3	7319.3
109	10	59 187.8	6612.9	58 754.2	6735.6	58 320.1	6858.2	57 885.2	6981.0
117	15	51 383.9	6282.4	50 960.0	6404.9	50 535.2	6527.4	50 109.8	6650.1
	20	43 579.8	5959.3	43 165.2	6081.5	42 749.9	6203.9	42 333.9	6326.4
	25	35 775.4	5643.3	35 370.2	5765.4	34 964.3	5887.6	34 557.8	6010.0
	30	27 970.7	5334.7	27 574.9	5456.7	27 178.4	5578.6	26 781.3	5700.8
	35	20 165.7	5033.3	19 779.4	5155.1	19 392.4	5276.9	19 004.8	5399.0
	40	12 360.4	4739.2	11 983.5	4860.8	11 606.0	4982.5	11 227.8	5104.4
	45	1 304 554.9	4452.3	1 304 187.4	4573.8	1 303 819.4	4695.4	1 303 450.8	4817.0
70	50	1 296 749.1	4172.7	1 296 391.1	4294.0	1 296 032.5	4415.4	1 295 673.2	4537.0
78	55	88 943.0	3900.4	88 594.4	4021.6	88 245.3	4142.8	87 895.5	4264.2
86									
94	00	1 281 136.7	1 913 635.3	1 280 797.6	1 923 756.3	1 280 457.8	1 933 877.5	1 280 117.5	1 943 998.7
102	05	73 330.1	3377.5	73 000.4	3498.4	72 670.1	3619.4	72 339.3	3740.5
110	10	65 523.3	3126.9	65 203.0	3247.7	64 882.2	3368.5	64 560.9	3489.5
118	15	57 716.4	2883.7	57 405.5	3004.3	57 094.1	3125.0	56 782.1	3245.9
	20	49 909.0	2647.6	49 607.5	2768.1	49 305.6	2888.7	49 003.2	3009.4
	25	42 101.6	2418.8	41 809.5	2539.2	41 517.0	2659.7	41 224.0	2780.3
	30	34 293.9	2197.4	34 011.3	2317.6	33 728.2	2438.0	33 444.7	2558.5
	35	26 486.1	1983.1	26 212.9	2103.3	25 939.3	2223.5	25 665.2	2343.9
	40	18 678.0	1776.1	18 414.2	1896.2	18 150.1	2016.3	17 885.4	2136.6
	45	10 869.7	1576.4	10 615.3	1696.4	10 360.7	1816.4	10 105.5	1936.6
71	50	1 203 061.4	1384.0	1 202 816.4	1503.8	1 202 571.1	1623.7	1 202 325.3	1743.8
79	55	1 195 252.8	1198.8	1 195 017.3	1318.5	1 194 781.4	1438.3	1 194 545.1	1558.3
87									
95	00	1 187 444.0	1 911 020.9	1 187 217.9	1 921 140.5	1 186 991.4	1 93 1260.2	1 186 764.6	1 941 380.1
103	05	79 634.9	0850.2	79 418.2	0969.7	79 201.2	1089.4	78 983.9	1209.2
111	10	71 825.9	0686.8	71 618.6	0806.3	71 411.0	0925.7	71 203.2	1045.5
119	15	64 016.6	0530.7	63 818.7	0650.0	63 620.5	0769.4	63 422.2	0889.1
	20	56 207.3	0381.8	56 018.8	0501.0	55 830.1	0620.4	55 641.1	0740.0
	25	48 397.7	0240.2	48 218.6	0359.4	48 039.3	0478.6	47 859.8	0598.1
	30	40 588.0	1 910 105.8	40 418.5	0224.9	40 248.7	0344.1	40 078.6	0463.6
	35	32 778.2	1 909 978.7	32 618.1	1 920 097.8	32 457.8	0216.9	32 297.0	0336.3
	40	24 968.4	9858.9	24 817.6	1 919 977.9	24 666.6	1 930 097.0	24 515.5	0216.3
	45	17 158.3	9746.4	17 017.0	9865.2	16 875.6	1 929 984.3	16 733.8	1 940 103.5
72	50	09 348.2	9641.0	09 216.4	9759.8	09 084.4	9878.9	08 952.1	1 939 998.0
80	55	1 101 538.1	9543.0	1 101 415.5	9661.8	1 101 292.9	9780.8	1 101 170.2	9899.8
88									
96	00	1 093 727.8	1 909 452.2	1 093 614.7	1 919 571.0	1 093 501.5	1 929 689.8	1 093 388.2	1 939 808.9
104	05	85 917.2	9368.7	85 813.5	9487.4	85 709.8	9606.2	85 606.0	9725.3
112	10	78 106.7	9292.4	78 012.4	9411.0	77 918.1	9529.8	77 823.7	9648.9
120	15	70 296.3	9223.4	70 211.3	9342.0	70 126.4	9460.8	70 041.5	9579.8
	20	62 485.7	9161.7	62 410.2	9280.3	62 334.8	9399.0	62 259.3	9518.0
	25	54 675.1	9107.2	54 609.2	9225.8	54 543.2	9344.5	54 477.0	9463.4
	30	46 864.6	9060.1	46 808.1	9178.6	46 751.5	9297.2	46 694.8	9416.1
	35	39 053.9	9020.1	39 006.7	9138.6	38 959.5	9257.3	38 912.3	9376.1
	40	31 243.1	8987.4	31 205.4	9105.9	31 167.6	9224.6	31 129.9	9343.4
	45	23 432.3	8962.0	23 404.0	9080.5	23 375.7	9199.1	23 347.4	9317.9
73	50	15 621.5	8943.8	15 602.7	9062.3	15 583.8	9180.9	15 564.9	9299.7
81	55	07 810.8	8932.9	07 801.3	9051.4	07 791.9	9170.0	07 782.5	9288.8
89									
97	00	1 000 000.0	1 908 929.3	1 000 000.0	1 919 047.8	1 000 000.0	1 929 166.4	1 000 000.0	1 939 285.2
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 39° 45′.		Lat. 39° 50′.		Lat. 39° 55′.		Lat. 40° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000. 0	1 908 929. 3	1 000 000. 0	1 919 047. 8	1 000 000. 0	1 929 166. 4	1 000 000. 0	1 939 285. 2
105	05	992 189. 2	8932. 9	992 198. 7	9051. 4	992 208. 1	9170. 0	992 217. 5	9288. 8
113	10	84 378. 5	8943. 8	84 397. 3	9062. 3	84 416. 2	9180. 9	84 435. 1	9299. 7
121	15	76 567. 7	8962. 0	76 596. 0	9080. 5	76 624. 3	9199. 1	76 652. 6	9317. 9
	20	68 756. 9	8987. 4	68 794. 6	9105. 9	68 832. 4	9224. 6	68 870. 1	9343. 4
	25	60 946. 1	9020. 1	60 993. 3	9138. 6	61 040. 5	9257. 3	61 087. 7	9376. 1
	30	53 135. 4	9060. 1	53 191. 9	9178. 6	53 248. 5	9297. 2	53 305. 2	9416. 1
	35	45 324. 9	9107. 2	45 390. 8	9225. 8	45 456. 8	9344. 5	45 523. 0	9463. 4
	40	37 514. 3	9161. 7	37 589. 8	9280. 3	37 665. 2	9399. 0	37 740. 7	9518. 0
	45	29 703. 7	9223. 4	29 788. 7	9342. 0	29 873. 6	9460. 8	29 958. 5	9579. 8
74	50	21 893. 3	9292. 4	21 987. 6	9411. 0	22 081. 9	9529. 8	22 176. 3	9648. 9
82	55	14 082. 8	9368. 7	14 186. 5	9487. 4	14 290. 2	9606. 2	14 394. 0	9725. 3
90									
98	00	906 272. 2	1 909 452. 2	906 385. 3	1 919 571. 0	906 498. 5	1 929 689. 8	906 611. 8	1 939 808. 9
106	05	898 461. 9	9543. 0	898 584. 5	9661. 8	898 707. 1	9780. 8	898 829. 8	9899. 8
114	10	90 651. 8	9641. 0	90 783. 6	9759. 8	90 915. 6	9878. 9	91 047. 9	1 939 998. 0
122	15	82 841. 7	9746. 4	82 983. 0	9865. 2	83 124. 4	1 929 984. 3	83 266. 2	1 940 103. 5
	20	75 031. 6	9858. 9	75 182. 4	1 919 977. 9	75 333. 4	1 930 097. 0	75 484. 5	0216. 3
	25	67 221. 8	1 909 978. 7	67 381. 9	1 920 097. 8	67 542. 2	0216. 9	67 703. 0	0336. 3
	30	59 412. 0	1 910 105. 8	59 581. 5	0224. 9	59 751. 3	0344. 1	59 921. 4	0463. 6
	35	51 602. 3	0240. 2	51 781. 5	0359. 4	51 960. 7	0478. 6	52 140. 2	0598. 1
	40	43 792. 7	0381. 8	43 981. 2	0501. 0	44 169. 9	0620. 4	44 358. 9	0740. 0
	45	35 983. 4	0530. 7	36 181. 3	0650. 0	36 379. 5	0769. 4	36 577. 8	0889. 1
75	50	28 174. 1	0686. 8	28 381. 4	0806. 3	28 589. 0	0925. 7	28 796. 8	1045. 5
83	55	20 365. 1	0850. 2	20 581. 8	0969. 7	20 798. 8	1089. 4	21 016. 1	1209. 2
91									
99	00	812 556. 0	1 911 020. 9	812 782. 1	1 921 140. 5	813 008. 6	1 931 260. 2	813 235. 4	1 941 380. 1
107	05	804 747. 2	1198. 8	804 982. 7	1318. 5	805 218. 6	1438. 3	805 454. 9	1558. 3
115	10	796 938. 6	1384. 0	797 183. 6	1503. 8	797 428. 9	1623. 7	797 674. 7	1743. 8
123	15	89 130. 3	1576. 4	89 384. 7	1696. 4	89 639. 3	1816. 4	89 894. 5	1936. 6
	20	81 322. 0	1776. 1	81 585. 8	1896. 2	81 849. 9	2016. 3	82 114. 6	2136. 6
	25	73 513. 9	1983. 1	73 787. 1	2103. 3	74 060. 7	2223. 5	74 334. 8	2343. 9
	30	65 706. 1	2197. 4	65 988. 7	2317. 6	66 271. 8	2438. 0	66 555. 3	2558. 5
	35	57 898. 4	2418. 8	58 190. 5	2539. 2	58 483. 0	2659. 7	58 776. 0	2780. 3
	40	50 091. 0	2647. 6	50 392. 5	2768. 1	50 694. 4	2888. 7	50 996. 8	3009. 4
	45	42 283. 6	2883. 7	42 594. 5	3004. 3	42 905. 9	3125. 0	43 217. 9	3245. 9
76	50	34 476. 7	3126. 9	34 797. 0	3247. 7	35 117. 8	3368. 5	35 439. 1	3489. 5
84	55	26 669. 9	3377. 5	26 999. 6	3498. 4	27 329. 9	3619. 4	27 660. 7	3740. 5
92									
100	00	718 863. 3	1 913 635. 3	719 202. 4	1 923 756. 3	719 542. 2	1 933 877. 5	719 882. 5	1 943 998. 7
108	05	11 057. 0	3900. 4	11 405. 6	4021. 6	11 754. 7	4142. 8	12 104. 5	4264. 2
116	10	703 250. 9	4172. 7	703 608. 9	4294. 0	703 967. 5	4415. 4	704 326. 8	4537. 0
124	15	695 445. 1	4452. 3	695 812. 6	4573. 8	696 180. 6	4695. 4	696 549. 2	4817. 0
	20	87 639. 6	4739. 2	88 016. 5	4860. 8	88 394. 0	4982. 5	88 772. 2	5104. 4
	25	79 834. 3	5033. 3	80 220. 6	5155. 1	80 607. 6	5276. 9	80 995. 2	5399. 0
	30	72 029. 3	5334. 7	72 425. 1	5456. 7	72 821. 6	5578. 6	73 218. 7	5700. 8
	35	64 224. 6	5643. 3	64 629. 8	5765. 4	65 035. 7	5887. 6	65 442. 2	6010. 0
	40	56 420. 2	5959. 3	56 834. 8	6081. 5	57 250. 1	6203. 9	57 666. 1	6326. 4
	45	48 616. 1	6282. 4	49 040. 0	6404. 9	49 464. 8	6527. 4	49 890. 2	6650. 1
77	50	40 812. 2	6612. 9	41 245. 8	6735. 5	41 679. 9	6858. 2	42 114. 8	6981. 0
85	55	33 008. 7	6950. 6	33 451. 7	7073. 4	33 895. 3	7196. 3	34 339. 7	7319. 3
93									
101	00	625 205. 5	1 917 295. 5	625 657. 9	1 927 418. 6	626 111. 0	1 937 541. 6	626 564. 8	1 947 664. 8
109	05	17 402. 8	7647. 8	17 864. 5	7771. 0	18 327. 1	7894. 2	18 790. 4	8017. 6
117	10	09 600. 1	8007. 2	10 071. 4	8130. 6	10 543. 4	8254. 0	11 016. 1	8377. 6
125	15	601 797. 9	8374. 0	602 278. 6	8497. 6	602 760. 2	8621. 2	603 242. 4	8745. 0
	20	593 996. 0	8748. 0	594 486. 2	8871. 8	594 977. 3	8995. 6	595 468. 9	9119. 6
	25	86 194. 6	9129. 3	86 694. 2	9253. 3	87 194. 6	9377. 2	87 695. 8	9501. 4
	30	578 393. 5	1 919 517. 9	578 902. 5	1 929 642. 1	579 412. 4	1 939 766. 3	579 923. 0	1 949 890. 6

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 00′.		Lat. 40° 05′.		Lat. 40° 10′.		Lat. 40° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 420 077.0	1 949 890.6	1 419 565.2	1 960 014.6	1 419 052.5	1 970 138.8	1 418 539.1	1 980 263.1
100	35	12 304.2	9501.4	11 801.9	1 959 625.2	11 298.8	1 969 749.3	10 794.8	1 979 873.4
108	40	1 404 531.1	9119.6	1 404 038.2	9243.2	1 403 544.5	9367.0	1 403 050.2	9490.9
116	45	1 396 757.6	8745.0	1 396 274.3	8868.4	1 395 790.1	8992.0	1 395 305.2	9115.7
69	50	88 983.9	8377.6	88 510.0	8500.8	88 035.3	8624.3	87 560.0	8747.8
77	55	81 209.6	8017.6	80 745.3	8140.6	80 280.1	8263.9	79 814.2	8387.3
85									
93	00	1 373 435.2	1 947 664.8	1 372 980.3	1 957 787.7	1 372 524.6	1 967 910.8	1 372 068.3	1 978 034.0
101	05	65 660.3	7319.3	65 214.9	7442.0	64 768.8	7564.9	64 322.0	7687.9
109	10	57 855.2	6981.0	57 449.2	7103.5	57 012.6	7226.3	56 575.2	7349.1
117	15	50 109.8	6650.1	49 683.3	6772.5	49 256.1	6895.0	48 828.3	7017.7
	20	42 333.9	6326.4	41 916.9	6448.6	41 499.3	6571.0	41 081.1	6693.5
	25	34 557.8	6010.0	34 150.3	6132.0	33 742.2	6254.2	33 333.5	6376.6
	30	26 781.3	5700.8	26 383.4	5822.6	25 984.8	5944.8	25 585.6	6067.0
	35	19 004.8	5399.0	18 616.2	5520.7	18 227.2	5642.7	17 837.5	5764.7
	40	11 227.8	5104.4	10 848.8	5225.9	10 469.2	5347.7	10 089.0	5469.6
	45	1 303 450.8	4817.0	1 303 081.1	4938.4	1 302 711.0	5060.2	1 302 340.3	5181.9
70	50	1 295 673.2	4537.0	1 295 313.2	4658.2	1 294 952.6	4779.8	1 294 591.4	4901.4
78	55	87 895.5	4264.2	87 544.9	4385.3	87 193.7	4506.8	86 842.1	4628.2
86									
94	00	1 280 117.5	1 943 998.7	1 279 776.4	1 954 119.7	1 279 434.8	1 964 241.0	1 279 092.6	1 974 362.3
102	05	72 339.3	3740.5	72 007.6	3861.3	71 675.6	3982.5	71 342.9	4103.7
110	10	64 560.9	3489.5	64 238.7	3610.2	63 916.1	3731.3	63 592.9	3852.4
118	15	56 782.1	3245.9	56 469.4	3366.5	56 156.3	3487.4	55 842.7	3608.3
	20	49 003.2	3009.4	48 700.0	3129.9	48 396.4	3250.7	48 092.3	3371.6
	25	41 224.0	2780.3	40 930.3	2900.8	40 636.2	3021.4	40 341.5	3142.1
	30	33 444.7	2558.5	33 160.5	2678.8	32 875.8	2799.3	32 590.7	2919.9
	35	25 665.2	2343.9	25 390.4	2464.1	25 115.3	2584.5	24 839.7	2705.0
	40	17 885.4	2136.6	17 620.2	2256.6	17 354.5	2377.0	17 088.4	2497.3
	45	10 105.5	1936.6	09 849.8	2056.6	09 593.5	2176.8	09 337.0	2297.1
71	50	1 202 325.3	1743.8	1 202 079.0	1863.6	1 201 832.4	1983.8	1 201 585.3	2104.0
79	55	1 194 545.1	1558.3	1 194 308.3	1678.0	1 194 071.0	1798.2	1 193 833.4	1918.3
87									
95	00	1 186 764.6	1 941 380.1	1 186 537.3	1 951 499.8	1 186 309.5	1 961 619.7	1 186 081.4	1 971 739.8
103	05	78 983.9	1209.2	78 766.0	1328.7	78 547.7	1448.6	78 329.3	1568.5
111	10	71 203.2	1045.5	70 994.8	1165.0	70 786.0	1284.8	70 577.0	1404.6
119	15	63 422.2	0889.1	63 223.2	1008.6	63 024.0	1128.2	62 824.4	1248.0
	20	55 641.1	0740.0	55 451.7	0859.4	55 262.0	0979.0	55 072.0	1098.7
	25	47 859.8	0598.1	47 679.9	0717.4	47 499.7	0836.9	47 319.2	0956.6
	30	40 078.6	0463.6	39 908.1	0582.8	39 737.3	0702.3	39 566.3	0821.9
	35	32 297.0	0336.3	32 136.0	0455.4	31 974.7	0574.9	31 813.2	0694.4
	40	24 515.5	0216.3	24 364.0	0335.3	24 212.2	0454.7	24 060.2	0574.1
	45	16 733.8	1 940 103.5	16 591.7	0222.5	16 449.4	0341.8	16 306.9	0461.2
72	50	08 952.1	1 939 998.0	08 819.4	0117.0	08 686.6	0236.3	08 553.6	0355.6
80	55	1 101 170.2	9899.8	1 101 047.0	1 950 018.8	1 100 923.7	0138.0	1 100 800.2	0257.3
88									
96	00	1 093 388.2	1 939 808.9	1 093 274.5	1 949 927.8	1 093 160.7	1 960 047.0	1 093 046.6	1 970 166.3
104	05	85 606.0	9725.3	85 501.8	9844.1	85 397.4	1 959 963.2	85 292.8	0082.5
112	10	77 823.7	9648.9	77 729.0	9767.7	77 634.1	9886.7	77 539.1	1 970 006.0
120	15	70 041.5	9579.8	69 956.3	9698.6	69 870.9	9817.6	69 785.3	1 969 936.7
	20	62 259.3	9518.0	62 183.5	9636.7	62 107.6	9755.7	62 031.5	9874.8
	25	54 477.0	9463.4	54 410.8	9582.1	54 344.4	9701.1	54 277.8	9820.1
	30	46 694.8	9416.1	46 638.0	9534.8	46 581.1	9653.8	46 524.0	9772.8
	35	38 912.3	9376.1	38 865.0	9494.8	38 817.6	9613.7	38 770.0	9732.7
	40	31 129.9	9343.4	31 092.0	9462.0	31 054.1	9581.0	31 016.0	9700.0
	45	23 347.4	9317.9	23 319.0	9436.6	23 290.5	9555.5	23 262.0	9674.5
73	50	15 564.9	9299.7	15 546.0	9418.4	15 527.0	9537.3	15 508.0	9656.3
81	55	07 782.5	9288.8	07 773.0	9407.4	07 763.5	9526.3	07 754.0	9645.3
89									
97	00	1 000 000.0	1 939 285.2	1 000 000.0	1 949 403.8	1 000 000.0	1 959 522.7	1 000 000.0	1 969 641.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 00′.		Lat. 40° 05′.		Lat. 40° 10′.		Lat. 40° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	1 939 285.2	1 000 000.0	1 949 403.8	1 000 000.0	1 959 522.7	1 000 000.0	1 969 641.7
105	05	992 217.5	9288.8	992 227.0	9407.4	992 236.5	9526.3	992 246.0	9645.3
113	10	84 435.1	9299.7	84 454.0	9418.4	84 473.0	9537.3	84 492.0	9656.3
121	15	76 652.6	9317.9	76 681.0	9436.6	76 709.5	9555.5	76 738.0	9674.5
	20	68 870.1	9343.4	68 908.0	9462.0	68 945.9	9581.0	68 984.0	9700.0
	25	61 087.7	9376.1	61 135.0	9494.8	61 182.4	9613.7	61 230.0	9732.7
	30	53 305.2	9416.1	53 362.0	9534.8	53 418.9	9653.8	53 476.0	9772.8
	35	45 523.0	9463.4	45 589.2	9582.1	45 655.6	9701.1	45 722.2	9820.1
	40	37 740.7	9518.0	37 816.5	9636.7	37 892.4	9755.7	37 968.5	9874.8
	45	29 958.5	9579.8	30 043.7	9698.6	30 129.1	9817.6	30 214.7	1 969 936.7
74	50	22 176.3	9648.9	22 271.0	9767.7	22 365.9	9886.7	22 460.9	1 970 006.0
82	55	14 394.0	9725.3	14 498.2	9844.1	14 602.6	1 959 963.2	14 707.2	0082.5
90									
98	00	906 611.8	1 939 808.9	906 725.5	1 949 927.8	906 839.3	1 960 047.0	906 953.4	1 970 166.3
106	05	898 829.8	9899.8	898 953.0	1 950 018.8	899 076.3	0138.0	899 199.8	0257.3
114	10	91 047.9	1 939 998.0	91 180.6	0117.0	91 313.4	0236.3	91 446.4	0355.6
122	15	83 266.2	1 940 103.5	83 408.3	0222.5	83 550.6	0341.8	83 693.1	0461.2
	20	75 484.5	0216.3	75 636.0	0335.3	75 787.8	0454.7	75 939.8	0574.1
	25	67 703.0	0336.3	67 864.0	0455.4	68 025.3	0574.9	68 186.8	0694.4
	30	59 921.4	0463.6	60 091.9	0582.8	60 262.7	0702.3	60 433.7	0821.9
	35	52 140.2	0598.1	52 320.1	0717.4	52 500.3	0836.9	52 680.8	0956.6
	40	44 358.9	0740.0	44 548.3	0859.4	44 738.0	0979.0	44 928.0	1098.7
	45	36 577.8	0889.1	36 776.8	1008.6	36 976.0	1128.2	37 175.6	1248.0
75	50	28 796.8	1045.5	29 005.2	1165.0	29 214.0	1284.8	29 423.0	1404.6
83	55	21 016.1	1209.2	21 234.0	1328.7	21 452.3	1448.6	21 670.7	1568.5
91									
99	00	813 235.4	1 941 380.1	813 462.7	1 951 499.8	813 690.5	1 961 619.7	813 918.6	1 971 739.8
107	05	805 454.9	1558.3	805 691.7	1678.0	805 929.0	1798.2	806 166.6	1918.3
115	10	797 674.7	1743.8	797 921.0	1863.6	798 167.6	1983.8	798 414.7	2104.0
123	15	89 894.5	1936.6	90 150.2	2056.6	90 406.5	2176.8	90 663.0	2297.1
	20	82 114.6	2136.6	82 379.8	2256.6	82 645.5	2377.0	82 911.6	2497.3
	25	74 334.8	2343.9	74 609.6	2464.1	74 884.7	2584.5	75 160.3	2705.0
	30	66 555.3	2558.5	66 839.5	2678.8	67 124.2	2799.3	67 409.3	2919.9
	35	58 776.0	2780.3	59 069.7	2900.8	59 363.8	3021.4	59 658.5	3142.1
	40	50 996.8	3009.4	51 300.0	3129.9	51 603.6	3250.7	51 907.7	3371.6
	45	43 217.9	3245.9	43 530.6	3366.5	43 843.7	3487.4	44 157.3	3608.3
76	50	35 439.1	3489.5	35 761.3	3610.2	36 083.9	3731.3	36 407.1	3852.4
84	55	27 660.7	3740.5	27 992.4	3861.3	28 324.4	3982.5	28 657.1	4103.7
92									
100	00	719 882.5	1 943 998.7	720 223.6	1 954 119.7	720 565.2	1 964 241.0	720 907.4	1 974 362.3
108	05	12 104.5	4264.2	12 455.1	4385.3	12 806.3	4506.8	13 157.9	4628.2
116	10	704 326.8	4537.0	704 686.8	4658.2	705 047.4	4779.8	705 408.6	4901.4
124	15	696 549.2	4817.0	696 918.9	4938.4	697 289.0	5060.2	697 659.7	5181.9
	20	88 772.2	5104.4	89 151.2	5225.9	89 530.8	5347.7	89 911.0	5469.6
	25	80 995.2	5399.0	81 383.8	5520.7	81 772.8	5642.7	82 162.5	5764.7
	30	73 218.7	5700.8	73 616.6	5822.6	74 015.2	5944.8	74 414.4	6067.0
	35	65 442.2	6010.0	65 849.7	6132.0	66 257.8	6254.2	66 666.5	6376.6
	40	57 666.1	6326.4	58 083.1	6448.6	58 500.7	6571.0	58 918.9	6693.5
	45	49 890.2	6650.1	50 316.7	6772.5	50 743.9	6895.0	51 171.7	7017.7
77	50	42 114.8	6981.0	42 550.8	7103.5	42 987.4	7226.3	43 424.8	7349.1
85	55	34 339.7	7319.3	34 785.1	7442.0	35 231.2	7564.9	35 678.0	7687.9
93									
101	00	626 564.8	1 947 664.8	627 019.7	1 957 787.7	627 475.4	1 967 910.8	627 931.7	1 978 034.0
109	05	18 790.4	8017.6	19 254.7	8140.6	19 719.9	8263.9	20 185.8	8387.3
117	10	11 016.1	8377.6	11 490.0	8500.8	11 964.7	8624.3	12 440.0	8747.8
125	15	603 242.4	8745.0	603 725.7	8868.4	604 209.9	8992.0	604 694.8	9115.7
	20	595 468.9	9119.6	595 961.8	9243.2	596 455.5	9367.0	596 949.8	9490.9
	25	87 695.8	9501.4	88 198.1	1 959 625.2	88 701.2	1 969 749.3	89 205.2	1 979 873.4
	30	579 923.0	1 949 890.6	580 434.8	1 960 014.6	580 947.5	1 970 138.8	581 460.9	1 980 263.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 15′.		Lat. 40° 20′.		Lat. 40° 25′.		Lat. 40° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 418 539.1	1 980 263.1	1 418 024.8	1 990 387.5	1 417 509.6	2 000 512.1	1 416 993.6	2 010 636.7
100	35	10 794.8	1 979 873.4	10 290.1	1 989 997.6	09 784.5	2 000 122.0	09 278.1	2 010 246.3
108	40	1 403 050.2	9490.9	1 402 554.9	9614.9	1 402 058.9	1 999 739.1	1 401 562.2	2 009 863.3
116	45	1 395 305.2	9115.7	1 394 819.5	9239.5	1 394 333.0	9363.6	1 393 845.7	9487.6
69	50	87 560.0	8747.8	87 083.8	8871.5	86 606.8	8995.4	86 129.1	9119.2
77	55	79 814.2	8387.3	79 347.6	8510.7	78 880.2	8634.4	78 412.0	8758.1
85									
93	00	1 372 068.3	1 978 034.0	1 371 611.2	1 988 157.2	1 371 153.2	1 998 280.8	1 370 694.6	2 008 404.3
101	05	64 322.0	7687.9	63 874.4	7811.0	63 426.0	7934.4	62 977.0	8057.7
109	10	56 575.2	7349.1	56 137.3	7472.1	55 698.6	7595.3	55 259.0	7718.5
117	15	48 828.3	7017.7	48 399.8	7140.4	47 970.6	7263.5	47 540.7	7386.6
	20	41 081.1	6693.5	40 662.1	6816.2	40 242.4	6939.0	39 822.0	7061.9
	25	33 333.5	6376.6	32 924.1	6499.1	32 514.0	6621.8	32 103.1	6744.6
	30	25 585.6	6067.0	25 185.7	6189.3	24 785.2	6311.9	24 383.8	6434.5
	35	17 837.5	5764.7	17 447.1	5886.9	17 056.1	6009.3	16 664.3	6131.8
	40	10 089.0	5469.6	09 708.1	5591.6	09 326.7	5714.0	08 944.5	5836.3
	45	1 302 340.3	5181.9	1 301 969.1	5303.8	1 301 597.1	5425.9	1 301 224.5	5548.1
70	50	1 294 591.4	4901.4	1 294 229.6	5023.1	1 293 867.2	5145.2	1 293 504.2	5267.3
78	55	86 842.1	4628.2	86 489.9	4749.8	86 137.0	4871.8	85 783.5	4993.7
86									
94	00	1 279 092.6	1 974 362.3	1 278 749.9	1 984 483.8	1 278 406.6	1 994 605.6	1 278 062.8	2 004 727.4
102	05	71 342.9	4103.7	71 009.7	4225.0	70 675.9	4346.7	70 341.6	4468.4
110	10	63 592.9	3852.4	63 269.2	3973.6	62 945.0	4095.2	62 620.2	4216.7
118	15	55 842.7	3608.3	55 528.6	3729.5	55 213.8	3850.9	54 898.6	3972.3
	20	48 092.3	3371.6	47 787.7	3492.6	47 482.4	3613.8	47 176.8	3735.2
	25	40 341.5	3142.1	40 046.4	3263.0	39 750.8	3384.1	39 454.8	3505.4
	30	32 590.7	2919.9	32 305.1	3040.7	32 019.1	3161.8	31 732.5	3282.9
	35	24 839.7	2705.0	24 563.6	2825.7	24 287.1	2946.7	24 010.2	3067.7
	40	17 088.4	2497.3	16 821.9	2618.0	16 554.9	2738.9	16 287.4	2859.8
	45	09 337.0	2297.1	09 079.9	2417.5	08 822.4	2538.4	08 564.6	2659.2
71	50	1 201 585.3	2104.0	1 201 337.8	2224.4	1 201 089.9	2345.0	1 200 841.6	2465.8
79	55	1 193 833.4	1918.3	1 193 595.5	2038.5	1 193 357.2	2159.1	1 193 118.4	2279.8
87									
95	00	1 186 081.4	1 971 739.8	1 185 853.0	1 981 860.0	1 185 624.2	1 991 980.5	1 185 395.0	2 002 101.1
103	05	78 329.3	1568.5	78 110.2	1688.7	77 891.0	1809.1	77 671.4	1929.6
111	10	70 577.0	1404.6	70 367.5	1524.7	70 157.7	1645.1	69 947.7	1765.5
119	15	62 824.4	1248.0	62 624.5	1368.0	62 424.2	1488.2	62 223.8	1608.6
	20	55 072.0	1098.7	54 881.5	1218.6	54 690.8	1338.8	54 499.9	1459.1
	25	47 319.2	0956.6	47 138.2	1076.5	46 957.0	1196.6	46 775.6	1316.8
	30	39 566.3	0821.9	39 395.0	0941.6	39 223.3	1061.7	39 051.4	1181.9
	35	31 813.2	0694.4	31 651.4	0814.1	31 489.3	0934.1	31 327.0	1054.2
	40	24 060.2	0574.1	23 907.9	0693.8	23 755.3	0813.8	23 602.5	0933.8
	45	16 306.9	0461.2	16 164.1	0580.9	16 021.1	0700.8	15 877.8	0820.7
72	50	08 553.6	0355.6	08 420.3	0475.1	08 286.9	0595.0	08 153.1	0714.9
80	55	1 100 800.2	0257.3	1 100 676.4	0376.8	1 100 552.5	0496.6	1 100 428.2	0616.5
88									
96	00	1 093 046.6	1 970 166.3	1 092 932.5	1 980 285.7	1 092 818.0	1 990 405.4	1 092 703.4	2 000 525.3
104	05	85 292.8	0082.5	85 188.2	0201.9	85 083.3	0321.5	84 978.2	0441.4
112	10	77 539.1	1 970 006.0	77 444.0	0125.4	77 348.6	0245.0	77 253.1	0364.8
120	15	69 785.3	1 969 936.7	69 699.7	1 980 056.1	69 613.9	0175.7	69 528.0	0295.5
	20	62 031.5	9874.8	61 955.4	1 979 994.1	61 879.2	0113.7	61 802.8	0233.5
	25	54 277.8	9820.1	54 211.2	9939.4	54 144.5	0059.0	54 077.6	0178.7
	30	46 524.0	9772.8	46 466.9	9892.1	46 409.8	1 990 011.6	46 352.5	0131.3
	35	38 770.0	9732.7	38 722.4	9852.0	38 674.8	1 989 971.5	38 627.1	0091.2
	40	31 016.0	9700.0	30 977.9	9819.2	30 939.8	9938.7	30 901.7	0058.4
	45	23 262.0	9674.5	23 233.4	9793.7	23 204.9	9913.2	23 176.2	0032.8
73	50	15 508.0	9656.3	15 489.0	9775.5	15 469.9	9895.0	15 450.8	0014.6
81	55	07 754.0	9645.3	07 744.5	9764.5	07 735.0	9884.0	07 725.4	0003.6
89									
97	00	1 000 000.0	1 969 641.7	1 000 000.0	1 979 760.9	1 000 000.0	1 989 880.4	1 000 000.0	2 000 000.0
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 40° 15′.		Lat. 40° 20′.		Lat. 40° 25′.		Lat. 40° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	1 969 641.7	1 000 000.0	1 979 760.9	1 000 000.0	1 989 880.4	1 000 000.0	2 000 000.0
105 05	992 246.0	9645.3	992 255.5	9764.5	992 265.0	9884.0	992 274.6	0003.6
113 10	84 492.0	9656.3	84 511.0	9775.5	84 530.1	9895.0	84 549.2	0014.6
121 15	76 738.0	9674.5	76 766.6	9793.7	76 795.1	9913.2	76 823.8	0032.8
20	68 984.0	9700.0	69 022.1	9819.2	69 060.2	9938.7	69 098.3	0058.4
25	61 230.0	9732.7	61 277.6	9852.0	61 325.2	1 989 971.5	61 372.9	0091.2
30	53 476.0	9772.8	53 533.1	9892.1	53 590.2	1 990 011.6	53 647.5	0131.3
35	45 722.2	9820.1	45 788.8	9939.5	45 855.5	0059.0	45 922.4	0178.7
40	37 968.5	9874.8	38 044.6	1 979 994.1	38 120.8	0113.7	38 197.2	0233.5
45	30 214.7	1 969 936.7	30 300.3	1 980 056.1	30 386.1	0175.7	30 472.0	0295.5
74 50	22 460.9	1 970 006.0	22 556.0	0125.4	22 651.4	0245.0	22 746.9	0364.8
82 55	14 707.2	0082.5	14 811.8	0201.9	14 916.7	0321.5	15 021.8	0441.4
90								
98 00	906 953.4	1 970 166.3	907 067.5	1 980 285.7	907 182.0	1 990 405.4	907 296.6	2 000 525.3
106 05	899 199.8	0257.3	899 323.6	0376.8	899 447.5	0496.6	899 571.8	0616.5
114 10	91 446.4	0355.6	91 579.7	0475.1	91 713.1	0595.0	91 846.9	0714.9
122 15	83 693.1	0461.2	83 835.9	0580.9	83 978.9	0700.8	84 122.2	0820.7
20	75 939.8	0574.1	76 092.1	0693.8	76 244.7	0813.8	76 397.5	0933.8
25	68 186.8	0694.4	68 348.6	0814.1	68 510.7	0934.1	68 673.0	1054.2
30	60 433.7	0821.9	60 605.0	0941.6	60 776.7	1061.7	60 948.6	1181.9
35	52 680.8	0956.6	52 861.8	1076.5	53 043.0	1196.6	53 224.4	1316.8
40	44 928.0	1098.7	45 118.5	1218.6	45 309.2	1338.8	45 500.1	1459.1
45	37 175.6	1248.0	37 375.5	1368.0	37 575.8	1488.2	37 776.2	1608.6
75 50	29 423.0	1404.6	29 632.5	1524.7	29 842.3	1645.1	30 052.3	1765.5
83 55	21 670.7	1568.5	21 889.8	1688.7	22 109.0	1809.1	22 328.6	1929.6
91								
99 00	813 918.6	1 971 739.8	814 147.0	1 981 860.0	814 375.8	1 991 980.5	814 605.0	2 002 101.1
107 05	806 166.6	1918.3	806 404.5	2038.5	806 642.8	2159.1	806 881.6	2279.8
115 10	798 414.7	2104.0	798 662.2	2224.4	798 910.1	2345.0	799 158.4	2465.8
123 15	90 663.0	2297.1	90 920.1	2417.5	91 177.6	2538.4	91 435.4	2659.2
20	82 911.6	2497.3	83 178.1	2618.0	83 445.1	2738.9	83 712.6	2859.8
25	75 160.3	2705.0	75 436.4	2825.7	75 712.9	2946.7	75 989.8	3067.7
30	67 409.3	2919.9	67 694.9	3040.7	67 980.9	3161.8	68 267.4	3282.9
35	59 658.5	3142.1	59 953.6	3263.0	60 249.2	3384.1	60 545.2	3505.4
40	51 907.7	3371.6	52 212.3	3492.6	52 517.6	3613.8	52 823.2	3735.2
45	44 157.3	3608.3	44 471.4	3729.5	44 786.2	3850.9	45 101.4	3972.3
76 50	36 407.1	3852.4	36 730.8	3973.6	37 055.0	4095.2	37 379.8	4216.7
84 55	28 657.1	4103.7	28 990.3	4225.0	29 324.1	4346.7	29 658.4	4468.4
92								
100 00	720 907.4	1 974 362.3	721 250.1	1 984 483.8	721 593.4	1 994 605.6	721 937.2	2 004 727.4
108 05	13 157.9	4628.2	13 510.1	4749.8	13 863.0	4871.8	14 216.5	4993.7
116 10	705 408.6	4901.4	705 770.4	5023.1	706 132.8	5145.2	706 495.8	5267.3
124 15	697 659.7	5181.9	698 030.9	5303.8	698 402.9	5425.9	698 775.5	5548.1
20	89 911.0	5469.6	90 291.9	5591.6	90 673.3	5714.0	91 055.5	5836.3
25	82 162.5	5764.7	82 552.9	5886.9	82 943.9	6009.3	83 335.7	6131.8
30	74 414.4	6067.0	74 814.3	6189.3	75 214.8	6311.9	75 616.2	6434.5
35	66 666.5	6376.6	67 075.9	6499.1	67 486.0	6621.8	67 896.9	6744.6
40	58 918.9	6693.5	59 337.9	6816.2	59 757.6	6939.0	60 178.0	7061.9
45	51 171.7	7017.7	51 600.2	7140.4	52 029.4	7263.5	52 459.3	7386.6
77 50	43 424.8	7349.1	43 862.7	7472.1	44 301.4	7595.3	44 741.0	7718.5
85 55	35 678.0	7687.9	36 125.6	7811.0	36 574.0	7934.4	37 023.0	8057.7
93								
101 00	627 931.7	1 978 034.0	628 388.8	1 988 157.2	628 846.8	1 998 280.8	629 305.4	2 008 404.3
109 05	20 185.8	8387.3	20 652.4	8510.7	21 119.8	8634.4	21 588.0	8758.1
117 10	12 440.0	8747.8	12 916.2	8871.5	13 393.2	8995.4	13 870.9	9119.2
125 15	604 694.8	9115.7	605 180.5	9239.5	605 667.0	9363.6	606 154.3	9487.6
20	596 949.8	9490.9	597 445.1	9614.9	597 941.1	1 999 739.1	598 437.8	2 009 863.3
25	89 205.2	1 979 873.4	89 709.9	1 989 997.6	90 215.5	2 000 122.0	90 721.9	2 010 246.3
30	581 460.9	1 980 263.1	581 975.2	1 990 387.5	582 490.4	2 000 512.1	583 006.4	2 010 636.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 30′.		Lat. 40° 35′.		Lat. 40° 40′.		Lat. 40° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 416 993.6	2 010 636.7	1 416 476.4	2 020 761.5	1 415 958.4	2 030 886.3	1 415 439.6	2 041 011.2
100	35	09 278.1	2 010 246.3	08 770.4	2 020 370.9	08 262.0	0495.6	07 752.9	0620.4
108	40	1 401 562.2	2 009 863.3	1 401 064.0	2 019 987.8	1 400 565.2	2 030 112.2	1 400 065.7	2 040 236.9
116	45	1 393 845.7	9487.6	1 393 357.3	9611.9	1 392 868.1	2 029 736.2	1 392 378.2	2 039 860.7
69	50	86 129.1	9119.2	85 650.2	9243.3	85 170.7	9367.4	84 690.4	9491.8
77	55	78 412.0	8758.1	77 942.8	8882.0	77 472.8	9006.0	77 002.1	9130.2
85									
93	00	1 370 694.6	2 008 404.3	1 370 235.0	2 018 528.0	1 369 774.6	2 028 651.8	1 369 313.6	2 038 775.8
101	05	62 977.0	8057.7	62 526.9	8181.3	62 076.2	8305.0	61 624.7	8428.8
109	10	55 259.0	7718.5	54 818.5	7842.0	54 377.4	7965.4	53 935.6	8089.2
117	15	47 540.7	7386.6	47 109.8	7509.8	46 678.3	7633.2	46 246.1	7756.8
	20	39 822.0	7061.9	39 400.7	7185.1	38 978.7	7308.2	38 556.2	7431.6
	25	32 103.1	6744.6	31 691.4	6867.6	31 279.0	6990.6	30 866.0	7113.9
	30	24 383.8	6434.5	23 981.7	6557.4	23 579.0	6680.3	23 175.6	6803.4
	35	16 664.3	6131.8	16 271.8	6254.5	15 878.6	6377.3	15 484.9	6500.3
	40	08 944.5	5836.3	08 561.6	5958.9	08 178.0	6031.5	07 793.8	6204.4
	45	1 301 224.5	5548.1	1 300 851.1	5670.6	1 300 477.1	5793.1	1 300 102.6	5915.8
70	50	1 293 504.2	5267.3	1 293 140.4	5389.6	1 292 776.0	5512.0	1 292 411.0	5634.6
78	55	85 783.5	4993.7	85 429.3	5115.9	85 074.6	5238.1	84 719.3	5360.6
86									
94	00	1 278 062.8	2 004 727.4	1 277 718.0	2 014 849.5	1 277 372.8	2 024 971.6	1 277 027.2	2 035 094.0
102	05	70 341.6	4468.4	70 006.5	4590.4	69 670.9	4712.4	69 334.8	4834.6
110	10	62 620.2	4216.7	62 294.7	4338.5	61 968.7	4460.4	61 642.3	4582.6
118	15	54 898.6	3972.3	54 582.7	4094.0	54 266.3	4215.9	53 949.4	4338.0
	20	47 176.8	3735.2	46 870.5	3856.9	46 563.7	3978.5	46 256.4	4100.5
	25	39 454.8	3505.4	39 158.0	3627.0	38 860.8	3748.6	38 563.2	3870.4
	30	31 732.5	3282.9	31 445.3	3404.3	31 157.7	3525.8	30 869.6	3647.5
	35	24 010.2	3067.7	23 732.5	3189.0	23 454.5	3310.4	23 176.1	3432.1
	40	16 287.4	2859.8	16 019.4	2981.0	15 751.0	3102.3	15 482.2	3223.8
	45	08 564.6	2659.2	08 306.1	2780.3	08 047.3	2901.4	07 788.0	3022.9
71	50	1 200 841.6	2465.8	1 200 592.7	2586.9	1 200 343.4	2708.0	1 200 093.8	2829.3
79	55	1 193 118.4	2279.8	1 192 879.1	2400.8	1 192 639.4	2521.8	1 192 399.4	2643.1
87									
95	00	1 185 395.0	2 002 101.1	1 185 165.3	2 012 221.9	1 184 935.2	2 022 342.9	1 184 704.7	2 032 464.1
103	05	77 671.4	1929.6	77 451.2	2050.4	77 230.7	2171.3	77 009.9	2292.4
111	10	69 947.7	1765.5	69 737.1	1886.2	69 526.3	2007.0	69 315.0	2128.0
119	15	62 223.8	1608.6	62 022.8	1729.3	61 821.5	1850.0	61 619.8	1971.0
	20	54 499.9	1459.1	54 308.5	1579.7	54 116.7	1700.3	53 924.7	1821.2
	25	46 775.6	1316.8	46 593.8	1437.3	46 411.7	1557.9	46 229.2	1678.8
	30	39 051.4	1181.9	38 879.2	1302.3	38 706.6	1422.8	38 533.8	1543.6
	35	31 327.0	1054.2	31 164.3	1174.6	31 001.3	1295.1	30 838.2	1415.8
	40	23 602.5	0933.8	23 449.4	1054.1	23 296.0	1174.5	23 142.4	1295.2
	45	15 877.8	0820.7	15 734.3	0941.0	15 590.5	1061.4	15 446.5	1182.0
72	50	08 153.1	0714.9	08 019.2	0835.1	07 885.0	0955.5	07 750.6	1076.1
80	55	1 100 428.2	0616.5	1 100 303.9	0736.7	1 100 179.3	0856.9	1 100 054.5	0977.5
88									
96	00	1 092 703.4	2 000 525.3	1 092 588.6	2 010 645.5	1 092 473.5	2 020 765.6	1 092 358.4	2 030 886.2
104	05	84 978.2	0441.4	84 873.0	0561.5	84 767.5	0681.7	84 662.0	0802.2
112	10	77 253.1	0364.8	77 157.4	0484.9	77 061.6	0605.0	76 965.6	0725.5
120	15	69 528.0	0295.5	69 441.8	0415.5	69 355.5	0535.6	69 269.2	0656.0
	20	61 802.8	0233.5	61 726.2	0353.5	61 649.5	0473.6	61 572.7	0594.0
	25	54 077.6	0178.7	54 010.7	0298.7	53 943.6	0418.8	53 876.3	0539.2
	30	46 352.5	0131.3	46 295.1	0251.3	46 237.5	0371.4	46 179.9	0491.7
	35	38 627.1	0091.2	38 579.3	0211.1	38 531.3	0331.2	38 483.2	0451.5
	40	30 901.7	0058.4	30 863.4	0178.3	30 825.0	0298.3	30 786.6	0418.6
	45	23 176.2	0032.8	23 147.5	0152.7	23 118.7	0272.8	23 090.0	0393.1
73	50	15 450.8	0014.6	15 431.7	0134.5	15 412.5	0254.5	15 393.3	0374.8
81	55	07 725.4	0003.6	07 715.8	0123.5	07 706.2	0243.6	07 696.6	0363.9
89									
97	00	1 000 000.0	2 000 000.0	1 000 000.0	2 010 119.9	1 000 000.0	2 020 239.9	1 000 000.0	2 030 360.2
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 30′.		Lat. 40° 35′.		Lat. 40° 40′.		Lat. 40° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 000 000.0	1 000 000.0	2 010 119.9	1 000 000.0	2 020 239.9	1 000 000.0	2 030 360.2
105	05	992 274.6	0003.6	992 234.2	0123.5	992 293.8	0243.6	992 303.4	0363.9
113	10	84 549.2	0014.6	84 568.3	0134.5	84 587.5	0254.5	84 606.7	0374.8
121	15	76 823.8	0032.8	76 852.5	0152.7	76 881.3	0272.8	76 910.0	0393.1
	20	69 098.3	0058.4	69 136.6	0178.3	69 175.0	0298.3	69 213.4	0418.6
	25	61 372.9	0091.2	61 420.7	0211.1	61 468.7	0331.2	61 516.8	0451.5
	30	53 647.5	0131.3	53 704.9	0251.3	53 762.5	0371.4	53 820.1	0491.7
	35	45 922.4	0178.7	45 989.3	0298.7	46 056.4	0418.8	46 123.7	0539.2
	40	38 197.2	0233.5	38 273.8	0353.5	38 350.5	0473.6	38 427.3	0594.0
	45	30 472.0	0295.5	30 558.2	0415.5	30 644.5	0535.6	30 730.8	0656.0
74	50	22 746.9	0364.8	22 842.6	0484.9	22 938.4	0605.0	23 034.4	0725.5
82	55	15 021.8	0441.4	15 127.0	0561.5	15 232.5	0681.7	15 338.0	0802.2
90									
98	00	907 296.6	2 000 525.3	907 411.4	2 010 645.5	907 526.5	2 020 765.6	907 641.6	2 030 886.2
106	05	899 571.8	0616.5	899 696.1	0736.7	899 820.7	0856.9	899 945.5	0977.5
114	10	91 846.9	0714.9	91 980.8	0835.1	92 115.0	0955.5	92 249.4	1076.1
122	15	84 122.2	0820.7	84 265.7	0941.0	84 409.5	1061.4	84 553.5	1182.0
	20	76 397.5	0933.8	76 550.6	1054.1	76 704.0	1174.5	76 857.6	1295.2
	25	68 673.0	1054.2	68 835.7	1174.6	68 998.7	1295.0	69 161.8	1415.8
	30	60 948.6	1181.9	61 120.8	1302.3	61 293.4	1422.8	61 466.2	1543.6
	35	53 224.4	1316.8	53 406.2	1437.3	53 588.3	1557.9	53 770.8	1678.8
	40	45 500.1	1459.1	45 691.5	1579.7	45 883.3	1700.3	46 075.3	1821.2
	45	37 776.2	1608.6	37 977.2	1729.3	38 178.5	1850.0	38 380.2	1971.0
75	50	30 052.3	1765.5	30 262.9	1886.2	30 473.7	2007.0	30 685.0	2128.0
83	55	22 328.6	1929.6	22 548.8	2050.4	22 769.3	2171.3	22 990.1	2292.4
91									
99	00	814 605.0	2 002 101.1	814 834.7	2 012 221.9	815 064.8	2 022 342.9	815 295.3	2 032 464.1
107	05	806 881.6	2279.8	807 120.9	2400.8	807 360.6	2521.8	807 600.6	2643.1
115	10	799 158.4	2465.8	799 407.3	2586.9	799 656.6	2708.0	799 906.2	2829.3
123	15	91 435.4	2659.2	91 693.9	2780.3	91 952.7	2901.4	92 212.0	3022.9
	20	83 712.6	2859.8	83 980.6	2981.0	84 249.0	3102.3	84 517.8	3223.8
	25	75 989.8	3067.7	76 267.5	3189.0	76 545.5	3310.4	76 823.9	3432.1
	30	68 267.4	3282.9	68 554.7	3404.3	68 842.3	3525.8	69 130.4	3647.5
	35	60 545.2	3505.4	60 842.0	3627.0	61 139.2	3748.6	61 436.8	3370.4
	40	52 823.2	3735.2	53 129.5	3856.9	53 436.3	3978.5	53 743.6	4100.5
	45	45 101.4	3972.3	45 417.3	4094.0	45 733.7	4215.9	46 050.6	4338.0
76	50	37 379.8	4216.7	37 705.3	4338.5	38 031.3	4460.4	38 357.7	4582.6
84	55	29 658.4	4468.4	29 993.5	4590.4	30 329.1	4712.4	30 665.2	4834.6
92									
100	00	721 937.2	2 004 727.4	722 282.0	2 014 849.5	722 627.2	2 024 971.6	722 972.8	2 035 094.0
108	05	14 216.5	4993.7	14 570.7	5115.9	14 925.4	5238.1	15 280.7	5360.6
116	10	706 495.8	5267.3	706 859.6	5389.6	707 224.0	5512.0	707 589.0	5634.6
124	15	698 775.5	5548.1	699 143.9	5670.6	699 522.9	5793.1	699 897.4	5915.8
	20	91 055.5	5836.3	91 438.4	5958.9	91 822.0	6081.5	92 206.2	6204.4
	25	83 335.7	6131.8	83 728.2	6254.5	84 121.4	6377.3	84 515.1	6500.3
	30	75 616.2	6434.5	76 018.3	6557.4	76 421.0	6680.3	76 824.4	6803.4
	35	67 896.9	6744.6	68 308.6	6867.6	68 721.0	6990.6	69 134.0	7113.9
	40	60 178.0	7061.9	60 599.3	7185.1	61 021.3	7308.2	61 443.8	7431.6
	45	52 459.3	7386.6	52 890.2	7509.8	53 321.7	7633.2	53 753.9	7756.8
77	50	44 741.0	7718.5	45 181.5	7842.0	45 622.6	7965.4	46 064.4	8089.2
85	55	37 023.0	8057.7	37 473.1	8181.3	37 923.8	8305.0	38 375.3	8428.8
93									
101	00	629 305.4	2 008 404.3	629 765.0	2 018 528.0	630 225.4	2 028 651.8	630 686.4	2 038 775.8
109	05	21 588.0	8758.1	22 057.2	8882.0	22 527.2	9006.0	22 997.9	9130.2
117	10	13 870.9	9119.2	14 349.8	9243.3	14 829.3	9367.4	15 309.6	9491.8
125	15	606 154.3	9487.6	606 642.7	9611.9	607 131.9	2 029 736.2	607 621.8	2 039 860.7
	20	598 437.8	2 009 863.3	598 936.0	2 019 987.8	599 434.8	2 030 112.2	599 934.3	2 040 236.9
	25	90 721.9	2 010 246.3	91 229.6	2 020 370.9	91 738.0	0495.6	92 247.1	0620.4
	30	583 006.4	2 010 636.7	583 523.6	2 020 761.5	584 041.6	2 030 886.3	584 560.4	2 041 011.2

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 45′.		Lat. 40° 50′.		Lat. 40° 55′.		Lat. 41° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 415 439.6	2 041 011.2	1 414 920.1	2 051 136.4	1 414 399.5	2 061 261.7	1 413 878.2	2 071 387.1
100	35	07 752.9	0620.4	1 407 242.9	0745.4	1 406 732.0	0870.5	1 406 220.3	0995.8
108	40	1 400 065.7	2 040 236.9	1 399 565.4	2 050 361.7	1 399 064.1	0486.6	1 398 562.1	0611.8
116	45	1 392 378.2	2 039 860.7	91 887.5	2 049 985.3	91 395.9	2 060 110.1	90 903.6	2 070 235.1
69	50	84 690.4	9491.8	84 209.3	9616.3	83 727.4	2 059 740.9	83 244.7	2 069 865.7
77	55	77 002.1	9130.2	76 530.7	9254.5	76 058.4	9378.9	75 585.4	9503.6
85									
93	00	1 369 313.6	2 038 775.8	1 368 851.8	2 048 900.0	1 368 389.2	2 059 024.3	1 367 925.8	2 069 148.8
101	05	61 624.7	8428.8	61 172.5	8552.9	60 719.6	8677.0	60 266.0	8801.4
109	10	53 935.6	8089.2	53 493.0	8213.0	53 049.7	8337.0	52 605.7	8461.3
117	15	46 246.1	7756.8	45 813.2	7880.5	45 379.4	8004.3	44 945.1	8128.4
	20	38 556.2	7431.6	38 132.9	7555.2	37 708.9	7679.0	37 284.2	7802.9
	25	30 866.0	7113.9	30 452.4	7237.4	30 038.1	7361.0	29 623.0	7484.8
	30	23 175.6	6803.4	22 771.6	6926.7	22 366.8	7050.2	21 961.5	7173.9
	35	15 484.9	6500.3	15 090.5	6623.4	14 695.4	6746.7	14 299.7	6870.3
	40	07 793.8	6204.4	1 307 409.1	6327.4	1 307 023.7	6450.7	1 306 637.6	6574.1
	45	1 300 102.6	5915.8	1 299 727.5	6038.8	1 299 351.7	6161.9	1 298 975.3	6285.2
70	50	1 292 411.0	5634.6	92 045.5	5757.4	91 679.4	5880.3	91 312.7	6003.5
78	55	84 719.3	5360.6	84 363.3	5483.3	84 006.8	5606.1	83 649.8	5729.3
86									
94	00	1 277 027.2	2 035 094.0	1 276 680.9	2 045 216.5	1 276 334.0	2 055 339.3	1 275 986.6	2 065 462.3
102	05	69 334.8	4834.6	68 998.2	4957.1	68 661.0	5079.8	68 323.2	5202.6
110	10	61 642.3	4582.6	61 315.3	4705.0	60 987.7	4827.4	60 659.6	4950.2
118	15	53 949.4	4338.0	53 632.0	4460.1	53 314.1	4582.5	52 995.7	4705.2
	20	46 256.4	4100.5	45 948.7	4222.6	45 640.3	4344.9	45 331.5	4467.6
	25	38 563.2	3870.4	38 265.1	3992.4	37 966.4	4114.6	37 667.2	4237.1
	30	30 869.6	3647.5	30 581.1	3769.5	30 292.1	3891.6	30 002.6	4014.0
	35	23 176.1	3432.1	22 897.2	3553.9	22 617.7	3676.0	22 337.9	3798.2
	40	15 482.2	3223.8	15 212.9	3345.6	14 943.2	3467.5	14 672.9	3589.7
	45	07 788.0	3022.9	1 207 528.4	3144.6	1 207 268.3	3266.4	1 207 007.8	3388.6
71	50	1 200 093.8	2829.3	1 199 843.8	2950.9	1 199 593.3	3072.7	1 199 342.4	3194.7
79	55	1 192 399.4	2643.1	92 159.0	2764.6	91 918.2	2886.3	91 676.9	3008.2
87									
95	00	1 184 704.7	2 032 464.1	1 184 473.9	2 042 585.6	1 184 242.7	2 052 707.2	1 184 011.2	2 062 829.0
103	05	77 009.9	2292.4	76 788.7	2413.7	76 567.1	2535.3	76 345.2	2657.1
111	10	69 315.0	2128.0	69 103.5	2249.3	68 891.6	2370.8	68 679.3	2492.5
119	15	61 619.8	1971.0	61 417.9	2092.2	61 215.6	2213.6	61 013.0	2335.3
	20	53 924.7	1821.2	53 732.4	1942.4	53 539.7	2063.7	53 346.7	2185.3
	25	46 229.2	1678.8	46 046.6	1799.8	45 863.6	1921.1	45 680.2	2042.7
	30	38 533.8	1543.6	38 360.8	1664.7	38 187.4	1785.9	38 013.7	1907.4
	35	30 838.2	1415.8	30 674.6	1536.8	30 510.9	1657.9	30 346.9	1779.4
	40	23 142.4	1295.2	22 988.6	1416.2	22 834.4	1537.3	22 680.1	1658.7
	45	15 446.5	1182.0	15 302.2	1302.9	15 157.8	1424.0	15 013.0	1545.3
72	50	07 750.6	1076.1	1 107 616.0	1196.9	1 107 481.1	1318.0	1 107 346.0	1439.2
80	55	1 100 054.5	0977.5	1 099 929.4	1098.3	1 099 804.2	1219.2	1 099 678.8	1340.5
88									
96	00	1 092 358.4	2 030 886.2	1 092 243.0	2 041 006.9	1 092 127.4	2 051 127.8	1 092 011.6	2 061 249.1
104	05	84 662.0	0802.2	84 556.2	0922.9	84 450.2	1043.7	84 344.1	1164.9
112	10	76 965.6	0725.5	76 869.4	0846.1	76 773.0	0966.9	76 676.6	1088.1
120	15	69 269.2	0656.0	69 182.6	0776.7	69 096.0	0897.5	69 009.1	1018.6
	20	61 572.7	0594.0	61 495.8	0714.6	61 418.8	0835.4	61 341.6	0956.5
	25	53 876.3	0539.2	53 809.0	0659.7	53 741.6	0780.5	53 674.1	0901.6
	30	46 179.9	0491.7	46 122.2	0612.2	46 064.4	0733.0	46 006.6	0854.1
	35	38 483.2	0451.5	38 435.2	0572.0	38 387.0	0692.8	38 338.8	0813.8
	40	30 786.6	0418.6	30 748.1	0539.2	30 709.6	0659.9	30 671.1	0780.9
	45	23 090.0	0393.1	23 061.1	0513.6	23 032.2	0634.3	23 003.3	0755.3
73	50	15 393.3	0374.8	15 374.1	0495.3	15 354.8	0616.0	15 335.5	0737.0
81	55	07 696.6	0363.9	07 687.0	0484.4	07 677.4	0605.1	07 667.8	0726.1
89									
97	00	1 000 000.0	2 030 360.2	1 000 000.0	2 040 480.7	1 000 000.0	2 050 601.4	1 000 000.0	2 060 722.4
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 40° 45′.		Lat. 40° 50′.		Lat. 40° 55′.		Lat. 41° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97									
105	00	1 000 000.0	2 030 360.2	1 000 000.0	2 040 480.7	1 000 000.0	2 050 601.4	1 000 000.0	2 060 722.4
113	05	992 303.4	0363.9	992 313.0	0484.4	992 322.6	0605.1	992 332.2	0726.1
121	10	84 606.7	0374.8	84 625.9	0495.3	84 645.2	0616.0	84 664.5	0737.0
	15	76 910.0	0393.1	76 938.9	0513.6	76 967.8	0634.3	76 996.7	0755.3
	20	69 213.4	0418.6	69 251.9	0539.2	69 290.4	0659.9	69 328.9	0780.9
	25	61 516.8	0451.5	61 564.8	0572.0	61 613.0	0692.8	61 661.2	0813.8
	30	53 820.1	0491.7	53 877.8	0612.2	53 935.6	0733.0	53 993.4	0854.1
	35	46 123.7	0539.2	46 191.0	0659.7	46 258.4	0780.5	46 325.9	0901.6
	40	38 427.3	0594.0	38 504.2	0714.6	38 581.2	0835.4	38 658.4	0956.5
	45	30 730.8	0656.0	30 817.4	0776.7	30 904.0	0897.5	30 990.9	1018.6
74	50	23 034.4	0725.5	23 130.6	0846.1	23 227.0	0966.9	23 323.4	1088.1
82	55	15 338.0	0802.2	15 443.8	0922.9	15 549.8	1043.7	15 655.9	1164.9
90									
98	00	907 641.6	2 030 886.2	907 757.0	2 041 006.9	907 872.6	2 051 127.8	907 988.4	2 061 249.1
106	05	899 945.5	0977.5	900 070.6	1098.3	900 195.8	1219.2	900 321.2	1340.5
114	10	92 249.4	1076.1	892 384.0	1196.9	892 518.9	1318.0	892 654.0	1439.2
122	15	84 553.5	1182.0	84 697.8	1302.9	84 842.2	1424.0	84 987.0	1545.3
	20	76 857.6	1295.2	77 011.4	1416.2	77 165.6	1537.3	77 319.9	1658.7
	25	69 161.8	1415.8	69 325.4	1536.8	69 489.1	1657.9	69 653.1	1779.4
	30	61 466.2	1543.6	61 639.2	1664.7	61 812.6	1785.9	61 986.3	1907.4
	35	53 770.8	1678.8	53 953.4	1799.8	54 136.4	1921.1	54 319.8	2042.7
	40	46 075.3	1821.2	46 267.6	1942.4	46 460.3	2063.7	46 653.3	2185.3
	45	38 380.2	1971.0	38 582.1	2092.2	38 784.4	2213.6	38 987.0	2335.3
75	50	30 685.0	2128.0	30 896.5	2249.3	31 108.4	2370.8	31 320.7	2492.5
83	55	22 990.1	2292.4	23 211.3	2413.7	23 432.9	2535.3	23 654.8	2657.1
91									
99	00	815 295.3	2 032 464.1	815 526.1	2 042 585.6	815 757.3	2 052 707.2	815 988.8	2 062 829.0
107	05	807 600.6	2643.1	07 841.0	2764.6	08 081.8	2886.3	08 323.1	3008.2
115	10	799 906.2	2829.3	800 156.2	2950.9	800 406.7	3072.7	800 657.6	3194.7
123	15	92 212.0	3022.9	792 471.6	3144.6	792 731.7	3266.4	792 992.2	3388.6
	20	84 517.8	3223.8	84 787.1	3345.6	85 056.8	3467.5	85 327.1	3589.7
	25	76 823.9	3432.1	77 102.8	3553.9	77 382.3	3676.0	77 662.1	3798.2
	30	69 130.4	3647.5	69 418.9	3769.5	69 707.9	3891.6	69 997.4	4014.0
	35	61 436.8	3870.4	61 734.9	3992.4	62 033.6	4114.6	62 332.8	4237.1
	40	53 743.6	4100.5	54 051.3	4222.6	54 359.7	4344.9	54 668.5	4467.6
	45	46 050.6	4338.0	46 368.0	4460.1	46 685.9	4582.5	47 004.3	4705.2
76	50	38 357.7	4582.6	38 684.7	4705.0	39 012.3	4827.4	39 340.4	4950.2
84	55	30 665.2	4834.6	31 001.8	4957.1	31 339.0	5079.8	31 676.8	5202.6
92									
100	00	722 972.8	2 035 094.0	723 319.1	2 045 216.5	723 666.0	2 055 339.3	724 013.4	2 065 462.3
108	05	15 280.7	5360.6	15 636.7	5483.3	15 993.2	5606.1	16 350.2	5729.3
116	10	707 589.0	5634.6	07 954.5	5757.4	08 320.6	5880.3	08 687.3	6003.5
124	15	699 897.4	5915.8	700 272.5	6038.8	700 648.3	6161.9	701 024.7	6285.2
	20	92 206.2	6204.4	692 590.9	6327.4	692 976.3	6450.7	693 362.4	6574.1
	25	84 515.1	6500.3	84 909.5	6623.4	85 304.6	6746.7	85 700.3	6870.3
	30	76 824.4	6803.4	77 228.4	6926.7	77 633.2	7050.2	78 038.5	7173.9
	35	69 134.0	7113.9	69 547.6	7237.4	69 961.9	7361.0	70 377.0	7484.8
	40	61 443.8	7431.6	61 867.1	7555.2	62 291.1	7679.0	62 715.8	7802.9
	45	53 753.9	7756.8	54 186.8	7880.5	54 620.6	8004.3	55 054.9	8128.4
77	50	46 064.4	8089.2	46 507.0	8213.0	46 950.3	8337.0	47 394.3	8461.3
85	55	38 375.3	8428.8	38 827.5	8552.9	39 280.4	8677.0	39 734.0	8801.4
93									
101	00	630 686.4	2 038 775.8	631 148.2	2 048 900.0	631 610.8	2 059 024.3	632 074.2	2 069 148.8
109	05	22 997.9	9130.2	23 469.3	9254.5	23 941.6	9378.9	24 414.6	9503.6
117	10	15 309.6	9491.8	15 790.7	9616.3	16 272.6	2 059 740.9	16 755.3	2 069 865.7
125	15	607 621.8	2 039 860.7	08 112.5	2 049 985.3	08 604.1	2 060 110.1	09 096.4	2 070 235.1
	20	599 934.3	2 040 236.9	600 434.6	2 050 361.7	600 935.9	0486.6	601 437.9	0611.8
	25	92 247.1	0620.4	592 757.1	0745.4	593 268.0	0870.5	593 779.7	0995.8
	30	584 560.4	2 041 011.2	585 079.9	2 051 136.4	585 600.5	2 061 261.7	586 121.8	2 071 387.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 00′.		Lat. 41° 05′.		Lat. 41° 10′.		Lat. 41° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 413 878.2	2 071 387.1	1 413 355.6	2 081 512.3	1 412 832.4	2 091 637.6	1 412 308.4	2 101 762.8
100	35	1 406 220.3	0995.8	1 405 707.5	1120.9	1 405 194.1	1246.0	1 404 679.8	1371.0
108	40	1 398 562.1	0611.8	1 398 059.0	0736.7	1 397 555.3	0861.6	1 397 050.7	0986.6
116	45	90 903.6	2 070 235.1	90 410.2	2 080 359.8	89 916.1	0484.6	89 421.2	0609.4
69	50	83 244.7	2 069 865.7	82 761.0	2 079 990.2	82 276.7	2 090 114.9	81 791.5	2 100 239.6
77	55	75 585.4	9503.6	75 111.4	9628.1	74 636.7	2 089 752.6	74 161.2	2 099 877.1
85									
93	00	1 367 925.8	2 069 148.8	1 367 461.5	2 079 273.1	1 366 996.5	2 089 397.5	1 366 530.8	2 099 522.0
101	05	60 266.0	8801.4	59 811.2	8925.5	59 356.0	9049.8	58 899.9	9174.1
109	10	52 605.7	8461.3	52 160.7	8585.3	51 715.2	8709.3	51 268.8	8833.5
117	15	44 945.1	8128.4	44 509.8	8252.3	44 073.9	8376.3	43 637.3	8500.3
	20	37 284.2	7802.9	36 858.6	7926.7	36 432.4	8050.5	36 005.5	8174.4
	25	29 623.0	7484.8	29 207.1	7608.4	28 790.6	7732.1	28 373.4	7855.9
	30	21 961.5	7173.9	21 555.2	7297.4	21 148.4	7421.0	20 741.0	7544.6
	35	14 299.7	6870.3	13 903.1	6993.7	13 506.1	7117.2	13 108.3	7240.7
	40	1 306 637.6	6574.1	1 306 250.8	6697.3	1 305 863.4	6820.7	1 305 475.3	6944.0
	45	1 298 975.3	6285.2	1 298 598.1	6408.3	1 298 220.4	6531.5	1 297 842.0	6654.8
70	50	91 312.7	6003.5	90 945.2	6 126.5	90 577.2	6249.7	90 208.5	6372.8
78	55	83 649.8	5729.3	83 292.0	5852.2	82 933.7	5975.2	82 574.7	6098.2
86									
94	00	1 275 986.6	2 065 462.3	1 275 638.6	2 075 585.2	1 275 289.9	2 085 708.0	1 274 940.6	2 095 830.9
102	05	68 323.2	5202.6	67 984.7	5325.4	67 645.8	5448.1	67 306.2	5571.0
110	10	60 659.6	4950.2	60 330.7	5072.8	60 001.5	5195.5	59 671.7	5318.3
118	15	52 995.7	4705.2	52 676.6	4827.7	52 357.0	4950.2	52 036.8	5073.0
	20	45 331.5	4467.6	45 022.0	4589.9	44 712.2	4712.4	44 401.8	4835.0
	25	37 667.2	4237.1	37 367.5	4359.5	37 067.2	4481.8	36 766.5	4604.3
	30	30 002.6	4014.0	29 712.6	4136.3	29 422.1	4258.5	29 131.0	4380.9
	35	22 337.9	3798.2	22 057.5	3920.3	21 776.7	4042.6	21 495.4	4164.9
	40	14 672.9	3589.7	14 402.2	3711.7	14 131.0	3833.9	13 859.4	3956.2
	45	1 207 007.8	3388.6	1 206 746.6	3510.5	1 206 485.2	3632.6	1 206 223.4	3754.8
71	50	1 199 342.4	3194.7	1 199 091.0	3316.6	1 198 839.2	3438.6	1 198 587.0	3560.7
79	55	91 676.9	3008.2	91 435.2	3130.0	91 193.1	3251.9	90 950.6	3373.9
87									
95	00	1 184 011.2	2 062 829.0	1 183 779.1	2 072 950.7	1 183 546.8	2 083 072.6	1 183 314.0	2 093 194.5
103	05	76 345.2	2657.1	76 122.8	2778.8	75 900.2	2900.6	75 677.1	3022.5
111	10	68 679.3	2492.5	68 466.6	2614.1	68 253.5	2735.8	68 040.1	2857.7
119	15	61 013.0	2335.3	60 810.0	2456.9	60 606.6	2578.5	60 402.9	2700.2
	20	53 346.7	2185.3	53 153.4	2306.8	52 959.8	2428.4	52 765.8	2550.0
	25	45 680.2	2042.7	45 496.5	2164.1	45 312.6	2285.7	45 128.3	2407.3
	30	38 013.7	1907.4	37 839.6	2028.7	37 665.3	2150.2	37 490.7	2271.8
	35	30 346.9	1779.4	30 182.5	1900.7	30 017.9	2022.1	29 853.0	2143.7
	40	22 680.1	1658.7	22 525.4	1780.0	22 370.5	1901.3	22 215.3	2022.8
	45	15 013.0	1545.3	14 868.0	1666.6	14 722.8	1787.9	14 577.3	1909.3
72	50	1 107 346.0	1439.2	1 107 210.7	1560.4	1 107 075.1	1681.7	1 106 939.3	1803.1
80	55	1 099 678.8	1340.5	1 099 553.1	1461.7	1 099 427.3	1582.9	1 099 301.1	1704.2
88									
96	00	1 092 011.6	2 061 249.1	1 091 895.6	2 071 370.2	1 091 779.4	2 081 491.4	1 091 663.0	2 091 612.7
104	05	84 344.1	1164.9	84 237.8	1286.0	84 131.2	1407.2	84 024.5	1528.5
112	10	76 676.6	1088.1	76 579.9	1209.2	76 483.1	1330.3	76 386.1	1451.6
120	15	69 009.1	1018.6	68 922.1	1139.7	68 835.0	1260.8	68 747.6	1382.0
	20	61 341.6	0956.5	61 264.3	1077.5	61 186.8	1198.6	61 109.2	1319.8
	25	53 674.1	0901.6	53 606.4	1022.6	53 538.6	1143.7	53 470.7	1264.9
	30	46 006.6	0854.1	45 948.6	0975.0	45 890.5	1096.1	45 832.2	1217.2
	35	38 338.8	0813.8	38 290.5	0934.8	38 242.1	1055.8	38 193.5	1176.9
	40	30 671.1	0780.9	30 632.4	0901.8	30 593.7	1023.0	30 554.8	1144.0
	45	23 003.3	0755.3	22 974.3	0876.2	22 945.2	0997.2	22 916.1	1118.3
73	50	15 335.5	0737.0	15 316.2	0857.9	15 296.8	0978.9	15 277.4	1100.0
81	55	07 667.8	0726.1	07 658.1	0847.0	07 648.4	0968.0	07 638.7	1089.1
89									
97	00	1 000 000.0	2 060 722.4	1 000 000.0	2 070 843.3	1 000 000.0	2 080 964.3	1 000 000.0	2 091 085.4
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 00′.		Lat. 41° 05′.		Lat. 41° 10′.		Lat. 41° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 060 722.4	1 000 000.0	2 070 843.3	1 000 000.0	2 080 964.3	1 000 000.0	2 091 085.4
105	05	992 332.2	0726.1	992 341.9	0847.0	992 351.6	0968.0	992 361.3	1089.1
113	10	84 664.5	0737.0	84 683.8	0857.9	84 703.2	0978.9	84 722.6	1100.0
121	15	76 996.7	0755.3	77 025.7	0876.2	77 054.8	0997.2	77 083.9	1118.3
	20	69 328.9	0780.9	69 367.6	0901.8	69 406.3	1023.0	69 445.2	1144.0
	25	61 661.2	0813.8	61 709.5	0934.8	61 757.9	1055.8	61 806.5	1176.9
	30	53 993.4	0854.1	54 051.4	0975.0	54 109.5	1096.1	54 167.8	1217.2
	35	46 325.9	0901.6	46 393.6	1022.6	46 461.4	1143.7	46 529.3	1264.9
	40	38 658.4	0956.5	38 735.7	1077.5	38 813.2	1198.6	38 890.8	1319.8
	45	30 990.9	1018.6	31 077.9	1139.7	31 165.0	1260.8	31 252.4	1382.0
74	50	23 323.4	1088.1	23 420.1	1209.2	23 516.9	1330.3	23 613.9	1451.6
82	55	15 655.9	1164.9	15 762.2	1286.0	15 868.8	1407.2	15 975.5	1528.5
90									
98	00	907 988.4	2 061 249.1	908 104.4	2 071 370.2	908 220.6	2 081 491.4	908 337.0	2 091 612.7
106	05	900 321.2	1340.5	900 446.9	1461.7	900 572.7	1582.9	900 698.9	1704.2
114	10	892 654.0	1439.2	892 789.3	1560.4	892 924.9	1681.7	893 060.7	1803.1
122	15	84 987.0	1545.3	85 132.0	1666.6	85 277.2	1787.9	85 422.7	1909.3
	20	77 319.9	1658.7	77 474.6	1780.0	77 629.5	1901.3	77 784.7	2022.8
	25	69 653.1	1779.4	69 817.5	1900.7	69 982.1	2022.1	70 147.0	2143.7
	30	61 986.3	1907.4	62 160.4	2028.7	62 334.7	2150.2	62 509.3	2271.8
	35	54 319.8	2042.7	54 503.5	2164.1	54 687.4	2285.7	54 871.7	2407.3
	40	46 653.3	2185.3	46 846.6	2306.8	47 040.2	2428.4	47 234.2	2550.0
	45	38 987.0	2335.3	39 190.0	2456.9	39 393.4	2578.5	39 597.1	2700.2
75	50	31 320.7	2492.5	31 533.3	2614.1	31 746.5	2735.8	31 959.9	2857.7
83	55	23 654.8	2657.1	23 877.2	2778.8	24 099.8	2900.6	24 322.9	3022.5
91									
99	00	815 988.8	2 062 829.0	816 220.9	2 072 950.7	816 453.2	2 083 072.6	816 686.0	2 093 194.5
107	05	08 323.1	3008.2	08 564.8	3130.0	08 806.9	3251.9	09 049.4	3373.9
115	10	800 657.6	3194.7	800 909.0	3316.6	801 160.8	3438.6	801 413.0	3560.7
123	15	792 992.2	3388.6	793 253.3	3510.5	793 514.8	3632.6	793 776.6	3754.8
	20	85 327.1	3589.7	85 597.8	3711.7	85 869.0	3833.9	86 140.6	3956.2
	25	77 662.1	3798.2	77 942.5	3920.3	78 223.3	4042.6	78 504.6	4164.9
	30	69 997.4	4014.0	70 287.4	4136.3	70 577.9	4258.5	70 869.0	4380.9
	35	62 332.8	4237.1	62 632.5	4359.5	62 932.8	4481.8	63 233.5	4604.3
	40	54 668.5	4467.6	54 978.0	4589.9	55 287.8	4712.4	55 598.2	4835.0
	45	47 004.3	4705.2	47 323.4	4827.7	47 643.0	4950.2	47 963.2	5073.0
76	50	39 340.4	4950.2	39 669.3	5072.8	39 998.5	5195.5	40 328.3	5318.3
84	55	31 676.8	5202.6	32 015.3	5325.4	32 354.2	5448.1	32 693.8	5571.0
92									
100	00	724 013.4	2 065 462.3	724 361.4	2 075 585.2	724 710.1	2 085 708.0	725 059.4	2 095 830.9
108	05	16 350.2	5729.3	16 708.0	5852.2	17 066.3	5975.2	17 425.3	6098.2
116	10	08 687.3	6003.5	09 054.8	6126.5	09 422.8	6249.7	09 791.5	6372.8
124	15	701 024.7	6285.2	701 401.9	6408.3	701 779.6	6531.5	702 158.0	6654.8
	20	693 362.4	6574.1	693 749.2	6697.3	694 136.6	6820.7	694 524.7	6944.0
	25	85 700.3	6870.3	86 096.9	6993.7	86 493.9	7117.2	86 891.7	7240.7
	30	78 038.5	7173.9	78 444.8	7297.4	78 851.6	7421.0	79 259.0	7544.6
	35	70 377.0	7484.8	70 792.9	7608.4	71 209.4	7732.1	71 626.6	7855.9
	40	62 715.8	7802.9	63 141.4	7926.7	63 567.6	8050.5	63 994.5	8174.4
	45	55 054.9	8128.4	55 490.2	8252.3	55 926.1	8376.3	56 362.7	8500.3
77	50	47 394.3	8461.3	47 839.3	8585.3	48 284.8	8709.3	48 731.2	8833.5
85	55	39 734.0	8801.4	40 188.8	8925.5	40 644.0	9049.8	41 100.1	9174.1
93									
101	00	632 074.2	2 069 148.8	632 538.5	2 079 273.1	633 003.5	2 089 397.5	633 469.2	2 099 522.0
109	05	24 414.6	9503.6	24 888.6	9628.1	25 363.3	2 089 752.6	25 838.8	2 099 877.1
117	10	16 755.3	2 069 865.7	17 239.0	2 079 990.2	17 723.3	2 090 114.9	18 208.5	2 100 239.6
125	15	09 096.4	2 070 235.1	09 589.8	2 080 359.8	10 083.9	0484.6	10 578.8	0609.4
	20	601 437.9	0611.8	601 941.0	0736.7	602 444.7	0861.6	602 949.3	0986.6
	25	593 779.7	0995.8	594 292.5	1120.9	594 805.9	1246.0	595 320.2	1371.0
	30	586 121.8	2 071 387.1	586 644.4	2 081 512.3	587 167.6	2 091 637.6	587 691.6	2 101 762.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 15′.		Lat. 41° 20′.		Lat. 41° 25′.		Lat. 41° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 412 308.4	2 101 762.8	1 411 783.5	2 111 888.2	1 411 257.7	2 122 013.7	1 410 731.1	2 132 139.0
100	35	1 404 679.8	1371.0	1 404 164.6	1496.3	1 403 648.6	1621.5	1 403 131.9	1746.7
108	40	1 397 050.7	0986.6	1 396 545.2	1111.7	1 396 039.1	1236.8	1 395 532.0	1361.8
116	45	89 421.2	0609.4	88 925.5	0734.4	88 429.1	0859.4	87 931.7	0984.3
69	50	81 791.5	2 100 239.6	81 305.5	0364.4	80 818.7	0489.3	80 331.2	0614.0
77	55	74 161.2	2 099 877.1	73 685.0	2 110 001.7	73 208.0	2 120 126.4	72 730.3	2 130 251.1
85									
93	00	1 366 530.8	2 099 522.0	1 366 064.3	2 109 646.5	1 365 597.1	2 119 771.0	1 365 129.0	2 129 895.5
101	05	58 899.9	9174.1	58 443.1	9298.4	57 985.7	9422.9	57 527.4	9547.3
109	10	51 268.8	8833.5	50 821.8	8957.8	50 374.0	9082.1	49 925.5	9206.3
117	15	43 637.3	8500.3	43 200.0	8624.4	42 762.0	8748.7	42 323.2	8872.8
	20	36 005.5	8174.4	35 577.9	8298.4	35 149.6	8422.5	34 720.6	8546.5
	25	28 373.4	7855.9	27 955.6	7979.7	27 537.0	8103.7	27 117.8	8227.6
	30	20 741.0	7544.6	20 332.9	7668.4	19 924.0	7792.2	19 514.5	7916.0
	35	13 108.3	7240.7	12 709.9	7364.3	12 310.8	7488.1	11 911.2	7611.7
	40	1 395 475.3	6944.0	1 395 086.5	7067.6	1 304 697.2	7191.2	1 304 307.3	7314.8
	45	1 297 842.0	6654.8	1 297 463.0	6778.2	1 297 083.6	6901.7	1 296 703.3	7025.2
70	50	90 208.5	6372.8	89 839.2	6496.2	89 469.4	6619.6	89 099.0	6742.9
78	55	82 574.7	6098.2	82 215.1	6221.5	81 855.0	6344.8	81 494.4	6468.0
86									
94	00	1 274 940.6	2 095 830.9	1 274 590.8	2 105 954.0	1 274 240.5	2 116 077.3	1 273 889.5	2 126 200.4
102	05	67 306.2	5571.0	66 966.1	5694.0	66 625.5	5817.0	66 284.4	5940.1
110	10	59 671.7	5318.3	59 341.3	5441.2	59 010.4	5564.2	58 679.0	5687.2
118	15	52 036.8	5073.0	51 716.2	5195.8	51 395.2	5318.7	51 073.5	5441.6
	20	44 401.8	4835.0	44 090.9	4957.7	43 779.5	5080.5	43 467.5	5203.3
	25	36 766.5	4604.3	36 465.3	4726.9	36 163.7	4849.7	35 861.5	4972.3
	30	29 131.0	4380.9	28 839.6	4503.5	28 547.7	4626.1	28 255.2	4748.7
	35	21 495.4	4164.9	21 213.6	4287.4	20 931.4	4409.9	20 648.8	4532.4
	40	13 859.4	3956.2	13 587.5	4078.5	13 315.0	4201.0	13 042.1	4323.5
	45	1 206 223.4	3754.8	1 205 961.0	3877.1	1 205 698.4	3999.5	1 205 435.2	4121.9
71	50	1 198 587.0	3560.7	1 198 334.4	3683.0	1 198 081.8	3805.3	1 197 828.0	3927.6
79	55	90 950.6	3373.9	90 707.7	3496.1	90 464.6	3618.4	90 220.8	3740.6
87									
95	00	1 183 314.0	2 093 194.5	1 183 080.8	2 103 316.6	1 182 847.3	2 113 438.8	1 182 613.4	2 123 561.0
103	05	75 677.1	3022.5	75 453.6	3144.5	75 229.8	3266.6	75 005.6	3388.7
111	10	68 040.1	2857.7	67 826.4	2979.7	67 612.4	3101.7	67 397.9	3223.7
119	15	60 402.9	2700.2	60 198.9	2822.1	59 994.6	2944.1	59 790.0	3066.1
	20	52 765.8	2550.0	52 571.5	2671.9	52 376.9	2793.9	52 182.0	2915.8
	25	45 128.3	2407.3	44 943.7	2529.1	44 758.8	2651.0	44 573.7	2772.9
	30	37 490.7	2271.8	37 315.9	2393.6	37 140.8	2515.4	36 965.4	2637.2
	35	29 853.0	2143.7	29 687.9	2265.4	29 522.5	2387.2	29 356.8	2508.9
	40	22 215.3	2022.8	22 059.9	2144.4	21 904.2	2266.2	21 748.3	2387.9
	45	14 577.3	1909.3	14 431.6	2030.9	14 285.6	2152.6	14 139.5	2274.3
72	50	1 106 939.3	1803.1	1 106 803.3	1924.7	1 106 667.1	2046.3	1 106 530.7	2168.0
80	55	1 099 301.1	1704.2	1 099 174.9	1825.8	1 099 048.4	1947.3	1 098 921.8	2069.0
88									
96	00	1 091 663.0	2 091 612.7	1 091 546.4	2 101 734.2	1 091 429.7	2 111 855.7	1 091 312.8	2 121 977.4
104	05	84 024.5	1528.5	83 917.6	1650.0	83 810.7	1771.5	83 703.6	1893.1
112	10	76 386.1	1451.6	76 288.9	1573.0	76 191.7	1694.5	76 094.3	1816.1
120	15	68 747.6	1382.0	68 660.2	1503.4	68 572.6	1624.9	68 485.0	1746.4
	20	61 109.2	1319.8	61 031.5	1441.1	60 953.6	1562.6	60 875.8	1684.1
	25	53 470.7	1264.9	53 402.7	1386.2	53 334.6	1507.6	53 266.5	1629.1
	30	45 832.2	1217.2	45 774.0	1338.6	45 715.6	1460.0	45 657.2	1581.5
	35	38 193.5	1176.9	38 145.0	1298.3	38 096.4	1419.7	38 047.8	1541.1
	40	30 554.8	1144.0	30 516.0	1265.3	30 477.1	1386.7	30 438.2	1508.2
	45	22 916.1	1118.3	22 887.0	1239.7	22 857.8	1361.1	22 828.6	1482.5
73	50	15 277.4	1100.0	15 258.0	1221.4	15 238.6	1342.8	15 219.1	1464.2
81	55	07 638.7	1089.1	07 629.0	1210.4	07 619.2	1331.8	07 609.5	1453.2
89									
97	00	1 000 000.0	2 091 085.4	1 000 000.0	2 101 206.7	1 000 000.0	2 111 328.1	1 000 000.0	2 121 449.5
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 41° 15′.		Lat. 41° 20′.		Lat. 41° 25′.		Lat. 41° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	2 091 085.4	1 000 000.0	2 101 206.7	1 000 000.0	2 111 328.1	1 000 000.0	2 121 449.5
105 05	992 361.3	1089.1	992 371.0	1210.4	992 380.8	1331.8	992 390.5	1453.2
113 10	84 722.6	1100.0	84 742.0	1221.4	84 761.4	1342.8	84 780.9	1464.2
121 15	77 083.9	1118.3	77 113.0	1239.7	77 142.2	1361.1	77 171.4	1482.5
20	69 445.2	1144.0	69 484.0	1265.3	69 522.9	1386.7	69 561.8	1508.2
25	61 806.5	1176.9	61 855.0	1298.3	61 903.6	1419.7	61 952.2	1541.1
30	54 167.8	1217.2	54 226.0	1338.6	54 284.4	1460.0	54 342.8	1581.5
35	46 529.3	1264.9	46 597.3	1386.2	46 665.4	1507.6	46 733.5	1629.1
40	38 890.8	1319.8	38 968.5	1441.1	39 046.4	1562.6	39 124.2	1684.1
45	31 252.4	1382.0	31 339.8	1503.4	31 427.4	1624.9	31 515.0	1746.4
74 50	23 613.9	1451.6	23 711.1	1573.0	23 808.3	1694.5	23 905.7	1816.1
82 55	15 975.5	1528.5	16 082.4	1650.0	16 189.3	1771.5	16 296.4	1893.1
90								
98 00	908 337.0	2 091 612.7	908 453.6	2 101 734.2	908 570.3	2 111 855.7	908 687.2	2 121 977.4
106 05	900 698.9	1704.2	900 825.1	1825.8	900 951.6	1947.3	901 078.2	2069.0
114 10	893 060.7	1803.1	893 196.7	1924.7	893 332.9	2046.3	893 469.3	2168.0
122 15	85 422.7	1909.3	85 568.4	2030.9	85 714.4	2152.6	85 860.5	2274.3
20	77 784.7	2022.8	77 940.1	2144.4	78 095.8	2266.2	78 251.7	2387.9
25	70 147.0	2143.7	70 312.1	2265.4	70 477.5	2387.2	70 643.2	2508.9
30	62 509.3	2271.8	62 684.1	2393.6	62 859.2	2515.4	63 034.6	2637.2
35	54 871.7	2407.3	55 056.3	2529.1	55 241.2	2651.0	55 426.3	2772.9
40	47 234.2	2550.0	47 428.5	2671.9	47 623.1	2793.9	47 818.0	2915.8
45	39 597.1	2700.2	39 801.1	2822.1	40 005.4	2944.1	40 210.0	3066.1
75 50	31 959.9	2857.7	32 173.6	2979.7	32 387.6	3101.7	32 602.1	3223.7
83 55	24 322.9	3022.5	24 546.4	3144.5	24 770.2	3266.6	24 994.4	3388.7
91								
99 00	816 686.0	2 093 194.5	816 919.2	2 103 316.6	817 152.7	2 113 438.8	817 386.6	2 123 561.0
107 05	09 049.4	3373.9	09 292.3	3496.1	09 535.4	3618.4	09 779.2	3740.6
115 10	801 413.0	3560.7	801 665.6	3683.0	801 918.5	3805.3	802 172.0	3927.6
123 15	793 776.6	3754.8	794 039.0	3877.1	794 301.6	3999.5	794 564.8	4121.9
20	86 140.6	3956.2	86 412.5	4078.5	86 685.0	4201.0	86 957.9	4323.5
25	78 504.6	4164.9	78 786.4	4287.4	79 068.6	4409.9	79 351.2	4532.4
30	70 869.0	4380.9	71 160.4	4503.5	71 452.3	4626.1	71 744.8	4748.7
35	63 233.5	4604.3	63 534.7	4726.9	63 836.3	4849.7	64 138.5	4972.3
40	55 598.2	4835.0	55 909.1	4957.7	56 220.5	5080.5	56 532.5	5203.3
45	47 963.2	5073.0	48 283.8	5195.8	48 604.8	5318.7	48 926.5	5441.6
76 50	40 328.3	5318.3	40 658.7	5441.2	40 989.6	5564.2	41 321.0	5687.2
84 55	32 693.8	5571.0	33 033.9	5694.0	33 374.5	5817.0	33 715.6	5940.1
92								
100 00	725 059.4	2 095 830.9	725 409.2	2 105 954.0	725 759.5	2 116 077.3	726 110.5	2 126 200.4
108 05	17 425.3	6098.2	17 784.9	6221.5	18 145.0	6344.8	18 505.6	6468.0
116 10	09 791.5	6372.8	10 160.8	6496.2	10 530.6	6619.6	10 901.0	6742.9
124 15	702 158.0	6654.8	702 537.0	6778.2	702 916.4	6901.7	703 296.7	7025.2
20	694 524.7	6944.0	694 913.5	7067.6	695 302.8	7191.2	695 692.7	7314.8
25	86 891.7	7240.7	87 290.1	7364.3	87 689.2	7488.1	88 088.8	7611.7
30	79 259.0	7544.6	79 667.1	7668.4	80 076.0	7792.2	80 485.5	7916.0
35	71 626.6	7855.9	72 044.4	7979.7	72 463.0	8103.7	72 882.2	8227.6
40	63 994.5	8174.4	64 422.1	8298.4	64 850.4	8422.5	65 279.4	8546.5
45	56 362.7	8500.3	56 800.0	8624.4	57 238.0	8748.7	57 676.8	8872.8
77 50	48 731.2	8833.5	49 178.2	8957.8	49 626.0	9082.1	50 074.5	9206.3
85 55	41 100.1	9174.1	41 556.9	9298.4	42 014.3	9422.9	42 472.6	9547.3
93								
101 00	633 469.2	2 099 522.0	633 935.7	2 109 646.5	634 402.9	2 119 771.0	634 871.0	2 129 895.5
109 05	25 838.8	2 099 877.1	26 315.0	2 110 001.7	26 792.0	2 120 126.4	27 269.7	2 130 251.1
117 10	18 208.5	2 100 239.6	18 694.5	0364.4	19 181.3	0489.3	19 668.8	0614.0
125 15	10 578.8	0609.4	11 074.5	0734.4	11 570.9	0859.4	12 068.3	0984.3
20	602 949.3	0986.6	603 454.8	1111.7	603 960.9	1236.8	604 468.0	1361.8
25	595 320.2	1371.0	595 835.4	1496.3	596 351.4	1621.5	596 868.1	1746.7
30	587 691.6	2 101 762.8	588 216.5	2 111 888.2	588 742.3	2 122 013.7	589 268.9	2 132 139.0

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 30′.		Lat. 41° 35′.		Lat. 41° 40′.		Lat. 41° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 410 731.1	2 132 139.0	1 410 203.5	2 142 264.3	1 409 675.0	2 152 389.9	1 409 145.8	2 162 515.3
100	35	1 403 131.9	1746.7	1 402 613.9	1872.0	1 402 095.2	1997.4	1 401 575.7	2122.6
108	40	1 395 532.0	1361.8	1 395 023.8	1487.0	1 394 514.9	1612.2	1 394 005.2	1737.4
116	45	87 931.7	0984.3	87 433.4	1109.2	86 934.3	1234.4	86 434.4	1359.4
69	50	80 331.2	0614.0	79 842.7	0738.9	79 353.3	0863.8	78 863.4	0988.7
77	55	72 730.3	2 130 251.1	72 251.5	0375.8	71 772.0	0500.7	71 291.8	0625.4
85									
93	00	1 365 129.0	2 129 895.5	1 364 660.1	2 140 020.1	1 364 190.4	2 150 144.8	1 363 720.0	2 160 269.5
101	05	57 527.4	9547.3	57 068.2	2 139 671.7	56 608.3	2 149 796.4	56 147.7	2 159 920.9
109	10	49 925.5	9206.3	49 476.1	9330.7	49 026.0	9455.2	48 575.3	9579.7
117	15	42 323.2	8872.8	41 883.6	8997.0	41 443.4	9121.4	41 002.4	9245.7
	20	34 720.6	8546.5	34 290.8	8670.6	33 860.3	8794.9	33 429.1	8919.1
	25	27 117.8	8227.6	26 697.7	8351.6	26 277.0	8475.8	25 855.6	8599.9
	30	19 514.5	7916.0	19 104.2	8039.8	18 693.3	8163.8	18 281.8	8287.9
	35	11 911.2	7611.7	11 510.6	7735.4	11 109.4	7859.4	10 707.7	7983.4
	40	1 304 307.3	7314.8	1 303 916.6	7438.5	1 303 525.2	7562.3	1 303 133.3	7686.1
	45	1 296 703.3	7025.2	1 296 322.3	7148.8	1 295 940.8	7272.5	1 295 558.6	7396.2
70	50	89 099.0	6742.9	88 727.7	6866.4	88 356.0	6990.1	87 983.8	7113.7
78	55	81 494.4	6468.0	81 133.0	6591.3	80 771.0	6714.9	80 408.4	6838.4
86									
94	00	1 273 889.5	2 126 200.4	1 273 537.8	2 136 323.7	1 273 185.7	2 146 447.1	1 272 833.0	2 156 570.6
102	05	66 284.4	5940.1	65 942.5	6063.3	65 600.1	6186.7	65 257.2	6310.0
110	10	58 679.0	5687.2	58 346.9	5810.3	58 014.3	5933.5	57 681.2	6056.7
18	15	51 073.5	5441.6	50 751.2	5564.6	50 428.3	5687.8	50 105.0	5810.9
	20	43 467.5	5203.3	43 155.0	5326.3	42 841.9	5449.3	42 528.4	5572.3
	25	35 861.5	4972.3	35 558.8	5095.1	35 255.5	5218.2	34 951.8	5341.2
	30	28 255.2	4748.7	27 962.2	4871.5	27 668.8	4994.4	27 374.9	5117.4
	35	20 648.8	4532.4	20 365.6	4655.2	20 081.8	4778.0	19 797.7	4900.9
	40	13 042.1	4323.5	12 768.5	4446.1	12 494.7	4568.9	12 220.4	4691.7
	45	1 205 435.2	4121.9	1 205 171.4	4244.4	1 204 907.3	4367.1	1 204 642.8	4489.8
71	50	1 197 828.0	3927.6	1 197 574.1	4050.0	1 197 319.8	4172.7	1 197 065.1	4295.4
79	55	90 220.8	3740.6	89 976.6	3863.0	89 732.1	3985.7	89 487.2	4108.2
87									
95	00	1 182 613.4	2 123 561.0	1 182 379.0	2 133 683.3	1 182 144.2	2 143 805.9	1 181 909.1	2 153 928.4
103	05	75 005.6	3388.7	74 781.0	3510.9	74 556.1	3633.4	74 330.8	3755.9
111	10	67 397.9	3223.7	67 183.1	3345.9	66 967.9	3468.4	66 752.4	3590.8
119	15	59 790.0	3066.1	59 584.8	3188.3	59 379.5	3310.7	59 173.8	3433.0
	20	52 182.0	2915.8	51 986.7	3037.9	51 791.1	3160.3	51 595.2	3282.5
	25	44 573.7	2772.9	44 388.1	2894.9	44 202.3	3017.2	44 016.2	3139.4
	30	36 965.4	2637.2	36 789.6	2759.2	36 613.5	2881.4	36 437.2	3003.6
	35	29 356.8	2508.9	29 190.8	2630.9	29 024.5	2753.1	28 858.0	2875.2
	40	21 748.3	2387.9	21 592.0	2509.9	21 435.5	2682.0	21 278.8	2754.1
	45	14 139.5	2274.3	13 993.1	2396.3	13 846.3	2518.3	13 699.4	2640.3
72	50	1 106 530.7	2168.0	1 106 394.0	2289.9	1 106 257.1	2411.9	1 106 120.0	2533.9
80	55	1 098 921.8	2069.0	1 098 794.8	2190.9	1 098 667.7	2312.8	1 098 540.3	2434.9
88									
96	00	1 091 312.8	2 121 977.4	1 091 195.6	2 132 099.2	1 091 078.2	2 142 221.1	1 090 960.7	2 152 343.1
104	05	83 703.6	1893.1	83 596.1	2014.9	83 488.5	2136.8	83 380.8	2258.7
112	10	76 094.3	1816.1	75 996.6	1937.8	75 898.8	2059.7	75 800.8	2181.6
120	15	68 485.0	1746.4	68 397.1	1868.2	68 309.0	1990.1	68 220.9	2111.9
	20	60 875.8	1684.1	60 797.6	1805.8	60 719.3	1927.7	60 641.0	2049.5
	25	53 266.5	1629.1	53 198.1	1750.8	53 129.6	1872.7	53 061.0	1994.5
	30	45 657.2	1581.5	45 598.5	1703.1	45 539.9	1825.0	45 481.1	1946.8
	35	38 047.8	1541.1	37 998.8	1662.8	37 949.9	1784.6	37 900.9	1906.4
	40	30 438.2	1508.2	30 399.0	1629.8	30 359.9	1751.6	30 320.7	1873.4
	45	22 828.6	1482.5	22 799.3	1604.1	22 769.9	1725.9	22 740.5	1847.7
73	50	15 219.1	1464.2	15 199.5	1585.8	15 179.9	1707.6	15 160.4	1829.4
81	55	07 609.5	1453.2	07 599.8	1574.8	07 589.9	1696.6	07 580.2	1818.4
89									
97	00	1 000 000.0	2 121 449.5	1 000 000.0	2 131 571.1	1 000 000.0	2 141 692.9	1 000 000.0	2 151 814.7
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 30′.		Lat. 41° 35′.		Lat. 41° 40′.		Lat. 41° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 121 449.5	1 000 000.0	2 131 571.1	1 000 000.0	2 141 692.9	1 000 000.0	2 151 814.7
105	05	992 390.5	1453.2	992 400.2	1574.8	992 410.1	1696.6	992 419.8	1818.4
113	10	84 780.9	1464.2	84 800.5	1585.8	84 820.1	1707.6	84 839.6	1829.4
121	15	77 171.4	1482.5	77 200.7	1604.1	77 230.1	1725.9	77 259.5	1847.7
	20	69 561.8	1508.2	69 601.0	1629.8	69 640.1	1751.6	69 679.3	1873.4
	25	61 952.2	1541.1	62 001.2	1662.8	62 050.1	1784.6	62 099.1	1906.4
	30	54 342.8	1581.5	54 401.5	1703.1	54 460.1	1825.0	54 518.9	1946.8
	35	46 733.5	1629.1	46 801.9	1750.8	46 870.4	1872.7	46 939.0	1994.5
	40	39 124.2	1684.1	39 202.4	1805.8	39 280.7	1927.7	39 359.0	2049.5
	45	31 515.0	1746.4	31 602.9	1868.2	31 691.0	1990.1	31 779.1	2111.9
74	50	23 905.7	1816.1	24 003.4	1937.8	24 101.2	2059.7	24 199.2	2181.6
82	55	16 296.4	1893.1	16 403.9	2014.9	16 511.5	2136.8	16 619.2	2258.7
90									
98	00	908 687.2	2 121 977.4	908 804.4	2 132 099.2	908 921.8	2 142 221.1	909 039.3	2 152 343.1
106	05	901 078.2	2069.0	901 205.2	2190.9	901 332.3	2312.8	901 459.7	2434.9
114	10	893 469.3	2168.0	893 606.0	2289.9	893 742.9	2411.9	893 880.0	2533.9
122	15	85 860.5	2274.3	86 006.9	2396.3	86 153.7	2518.3	86 300.6	2640.3
	20	78 251.7	2387.9	78 408.0	2509.9	78 564.5	2632.0	78 721.2	2754.1
	25	70 643.2	2508.9	70 809.2	2630.9	70 975.5	2753.1	71 142.0	2875.2
	30	63 034.6	2637.2	63 210.4	2759.2	63 386.5	2881.4	63 562.8	3003.6
	35	55 426.3	2772.9	55 611.9	2894.9	55 797.7	3017.2	55 983.8	3139.4
	40	47 818.0	2915.8	48 013.3	3037.9	48 208.9	3160.3	48 404.8	3282.5
	45	40 210.0	3066.1	40 415.2	3188.3	40 620.5	3310.7	40 826.2	3433.0
75	50	32 602.1	3223.7	32 816.9	3345.9	33 032.1	3468.4	33 247.6	3590.8
83	55	24 994.4	3388.7	25 219.0	3510.9	25 443.9	3633.4	25 669.2	3755.9
91									
99	00	817 386.6	2 123 561.0	817 621.0	2 133 683.3	817 855.8	2 143 805.9	818 090.9	2 153 928.4
107	05	09 779.2	3740.6	10 023.4	3863.0	10 267.9	3985.7	10 512.8	4108.2
115	10	802 172.0	3927.6	802 425.9	4050.0	802 680.2	4172.7	802 934.9	4295.4
123	15	794 564.8	4121.9	794 828.6	4244.4	795 092.7	4367.1	795 357.2	4489.8
	20	86 957.9	4323.5	87 231.5	4446.1	87 505.3	4568.9	87 779.6	4691.7
	25	79 351.2	4532.4	79 634.4	4655.2	79 918.2	4778.0	80 202.3	4900.9
	30	71 744.8	4748.7	72 037.8	4871.5	72 331.2	4994.4	72 625.1	5117.4
	35	64 138.5	4972.3	64 441.2	5095.1	64 744.5	5218.2	65 048.2	5341.2
	40	56 532.5	5203.3	56 845.0	5326.3	57 158.1	5449.3	57 471.6	5572.3
	45	48 926.5	5441.6	49 248.8	5564.6	49 571.7	5687.8	49 895.0	5810.9
76	50	41 321.0	5687.2	41 653.1	5810.3	41 985.7	5933.5	42 318.8	6056.7
84	55	33 715.6	5940.1	34 057.5	6063.3	34 399.9	6186.7	34 742.8	6310.0
92									
100	00	726 110.5	2 126 200.4	726 462.2	2 136 323.7	726 814.3	2 146 447.1	727 167.0	2 156 570.6
108	05	18 505.6	6468.0	18 867.0	6591.3	19 229.0	6714.9	19 591.6	6838.4
116	10	10 901.0	6742.9	11 272.3	6866.4	11 644.0	6990.1	12 016.2	7113.7
124	15	703 296.7	7025.2	703 677.7	7148.8	704 059.2	7272.5	704 441.4	7396.2
	20	695 692.7	7314.8	696 083.4	7438.5	696 474.8	7562.3	696 866.7	7686.1
	25	88 088.8	7611.7	88 489.4	7735.4	88 890.6	7859.4	89 292.3	7983.4
	30	80 485.5	7916.0	80 895.8	8039.8	81 306.7	8163.8	81 718.2	8287.9
	35	72 882.2	8227.6	73 302.3	8351.6	73 723.0	8475.8	74 144.4	8599.9
	40	65 279.4	8546.5	65 709.2	8670.6	66 139.7	8794.9	66 570.9	8919.1
	45	57 676.8	8872.8	58 116.4	8997.0	58 556.6	9121.4	58 997.6	9245.7
77	50	50 074.5	9206.3	50 523.9	9330.7	50 974.0	9455.2	51 424.7	9579.7
85	55	42 472.6	9547.3	42 931.8	2 139 671.7	43 391.7	2 149 796.4	43 852.3	2 159 920.9
93									
101	00	634 871.0	2 129 895.5	635 339.9	2 140 020.1	635 809.6	2 150 144.8	636 280.0	2 160 269.5
109	05	27 269.7	2 130 251.1	27 748.5	0375.8	28 228.0	0500.7	28 708.2	0625.4
117	10	19 668.8	0614.0	20 157.3	0738.9	20 646.7	0863.8	21 136.6	0988.7
125	15	12 068.3	0984.3	12 566.6	1109.2	13 065.7	1234.4	13 565.6	1359.4
	20	604 468.0	1361.8	604 976.2	1487.0	605 485.1	1612.2	605 994.8	1737.4
	25	596 868.1	1746.7	597 386.1	1872.0	597 904.8	1997.4	598 424.3	2122.6
	30	589 268.9	2 132 139.0	589 796.5	2 142 264.3	590 325.0	2 152 389.9	590 854.2	2 162 515.3

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 45′.		Lat. 41° 50′.		Lat. 41° 55′.		Lat. 42° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards*
68									
76									
84									
92	30	1 409 145.8	2 162 515.3	1 408 615.7	2 172 640.8	1 408 084.6	2 182 766.4	1 407 552.9	2 192 891.9
100	35	1 401 575.7	2122.6	1 401 055.5	2248.1	1 400 534.4	2373.5	1 400 012.4	2498.9
108	40	1 394 005.2	1737.4	1 393 494.8	1862.7	1 392 983.6	1987.9	1 392 471.5	2113.2
116	45	86 434.4	1359.4	85 933.8	1484.6	85 432.4	1609.7	84 930.2	1734.9
69	50	78 863.4	0988.7	78 372.6	1113.8	77 881.0	1238.8	77 388.6	1363.9
77	55	71 291.8	0625.4	70 810.9	0750.4	70 329.1	0875.3	69 846.6	1000.2
85									
93	00	1 363 720.0	2 160 269.5	1 363 248.9	2 170 394.3	1 362 776.8	2 180 519.0	1 362 304.2	2 190 643.9
101	05	56 147.7	2 159 920.9	55 686.4	2 170 045.6	55 224.4	2 180 170.2	54 761.5	2 190 295.0
109	10	48 575.3	9579.7	48 123.8	2 169 704.2	47 671.5	2 179 828.7	47 218.6	2 189 953.4
117	15	41 002.4	9245.7	40 560.7	9370.2	40 118.3	9494.6	39 675.2	9619.1
	20	33 429.1	8919.1	32 997.3	9043.4	32 564.8	9167.7	32 131.5	9292.2
	25	25 855.6	8599.9	25 433.6	8724.1	25 010.8	8848.3	24 587.5	8972.6
	30	18 281.8	8287.9	17 869.6	8412.1	17 456.8	8536.2	17 043.2	8660.4
	35	10 707.7	7983.4	10 305.4	8107.4	09 902.4	8231.6	09 498.6	8355.5
	40	1 303 133.3	7686.1	1 302 740.8	7810.1	1 302 347.6	7934.0	1 301 953.8	8058.0
	45	1 295 558.6	7396.2	1 295 175.9	7520.0	1 294 792.6	7643.9	1 294 408.6	7767.8
70	50	87 983.8	7113.7	87 610.8	7237.4	87 237.3	7361.1	86 863.2	7485.0
78	55	80 408.4	6838.4	80 045.4	6962.1	79 681.6	7085.7	79 317.4	7209.5
86									
94	00	1 272 833.0	2 156 570.6	1 272 479.7	2 166 694.1	1 272 125.8	2 176 817.7	1 271 771.4	2 186 941.4
102	05	65 257.2	6310.0	64 913.8	6433.5	64 569.8	6557.0	64 225.2	6680.6
110	10	57 681.2	6056.7	57 347.6	6180.2	57 013.4	6303.6	56 678.7	6427.1
118	15	50 105.0	5810.9	49 781.2	5934.2	49 456.8	6057.5	49 131.9	6181.0
	20	42 528.4	5572.3	42 214.5	5695.6	41 900.0	5818.9	41 584.9	5942.3
	25	34 951.8	5341.2	34 647.6	5464.4	34 343.0	5587.5	34 037.7	5710.8
	30	27 374.9	5117.4	27 080.5	5240.4	26 785.7	5363.5	26 490.4	5486.8
	35	19 797.7	4900.9	19 513.2	5023.9	19 228.2	5146.9	18 942.7	5270.1
	40	12 220.4	4691.7	11 945.7	4814.7	11 670.5	4937.6	11 394.9	5060.7
	45	1 204 642.8	4489.8	1 204 377.9	4612.7	1 204 112.6	4735.6	1 203 846.8	4858.7
71	50	1 197 065.1	4295.4	1 196 810.0	4418.2	1 196 554.5	4541.0	1 196 298.6	4664.0
79	55	89 487.2	4108.2	89 241.9	4231.0	88 996.3	4353.7	88 750.1	4476.6
87									
95	00	1 181 909.1	2 153 928.4	1 181 673.6	2 164 051.1	1 181 437.8	2 174 173.8	1 181 201.5	2 184 296.7
103	05	74 330.8	3755.9	74 105.1	3878.6	73 879.1	4001.2	73 652.7	4124.0
111	10	66 752.4	3590.8	66 536.6	3713.4	66 320.4	3836.0	66 103.8	3958.7
119	15	59 173.8	3433.0	58 967.8	3555.5	58 761.4	3678.1	58 554.7	3800.8
	20	51 595.2	3282.5	51 398.9	3405.0	51 202.4	3527.5	51 005.5	3650.2
	25	44 016.2	3139.4	43 829.8	3261.9	43 643.1	3384.3	43 456.1	3506.9
	30	36 437.2	3003.6	36 260.6	3126.1	36 083.8	3248.5	35 906.6	3371.0
	35	28 858.0	2875.2	28 691.2	2997.6	28 524.2	3120.0	28 356.8	3242.5
	40	21 278.8	2754.1	21 121.8	2876.4	20 964.6	2998.8	20 807.1	3121.2
	45	13 699.4	2640.3	13 552.3	2762.6	13 404.8	2885.0	13 257.2	3007.4
72	50	1 106 120.0	2533.9	1 105 982.6	2656.2	1 105 845.0	2778.4	1 105 707.2	2900.8
80	55	1 098 540.3	2434.9	1 098 412.7	2557.1	1 098 285.1	2679.3	1 098 157.0	2801.7
88									
96	00	1 090 960.7	2 152 343.1	1 090 842.9	2 162 465.3	1 090 725.1	2 172 587.4	1 090 606.9	2 182 709.8
104	05	83 380.8	2258.7	83 272.8	2380.9	83 164.8	2503.0	83 056.4	2625.4
112	10	75 800.8	2181.6	75 702.7	2303.8	75 604.5	2425.9	75 506.0	2548.2
120	15	68 220.9	2111.9	68 132.6	2234.0	68 044.2	2356.1	67 955.6	2478.4
	20	60 641.0	2049.5	60 562.5	2171.6	60 483.9	2293.7	60 405.1	2416.0
	25	53 061.0	1994.5	52 992.4	2116.5	52 923.6	2238.6	52 854.6	2360.9
	30	45 481.1	1946.8	45 422.2	2068.8	45 363.3	2190.9	45 304.2	2313.1
	35	37 900.9	1906.4	37 851.9	2028.5	37 802.8	2150.5	37 753.5	2272.7
	40	30 320.7	1873.4	30 281.5	1995.4	30 242.2	2117.4	30 202.8	2239.7
	45	22 740.5	1847.7	22 711.1	1969.7	22 681.6	2091.7	22 652.1	2214.0
73	50	15 160.4	1829.4	15 140.7	1951.4	15 121.1	2073.4	15 101.4	2195.6
81	55	07 580.2	1818.4	07 570.4	1940.4	07 560.6	2062.4	07 550.7	2184.6
89									
97	00	1 000 000.0	2 151 814.7	1 000 000.0	2 161 936.7	1 000 000.0	2 172 058.7	1 000 000.0	2 182 180.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 41° 45′.		Lat. 41° 50′.		Lat. 41° 55′.		Lat. 42° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 151 814.7	1 000 000.0	2 161 936.7	1 000 000.0	2 172 058.7	1 000 000.0	2 182 180.9
105	05	992 419.8	1818.4	992 429.6	1940.4	992 439.4	2062.4	992 449.3	2184.6
113	10	84 839.6	1829.4	84 859.3	1951.4	84 878.9	2073.4	84 898.6	2195.6
121	15	77 259.5	1847.7	77 288.9	1969.7	77 318.4	2091.7	77 347.9	2214.0
	20	69 679.3	1873.4	69 718.5	1995.4	69 757.8	2117.4	69 797.2	2239.7
	25	62 099.1	1906.4	62 148.1	2028.5	62 197.2	2150.5	62 246.5	2272.7
	30	54 518.9	1946.8	54 577.8	2068.8	54 636.7	2190.9	54 695.8	2313.1
	35	46 939.0	1994.5	47 007.6	2116.5	47 076.4	2238.6	47 145.4	2360.9
	40	39 359.0	2049.5	39 437.5	2171.6	39 516.1	2293.7	39 594.9	2416.0
	45	31 779.1	2111.9	31 867.4	2234.0	31 955.8	2356.1	32 044.4	2478.4
74	50	24 199.2	2181.6	24 297.3	2303.8	24 395.5	2425.9	24 494.0	2548.2
82	55	16 619.2	2258.7	16 727.2	2380.9	16 835.2	2503.0	16 943.6	2625.4
90									
98	00	909 039.3	2 152 343.1	909 157.1	2 162 465.3	909 274.9	2 172 587.4	909 393.1	2 182 709.8
106	05	901 459.7	2434.9	901 587.3	2557.1	901 714.9	2679.3	901 843.0	2801.7
114	10	893 880.0	2533.9	894 017.4	2656.2	894 155.0	2778.4	894 292.8	2900.8
122	15	86 300.6	2640.3	86 447.7	2762.6	86 595.2	2885.0	86 742.8	3007.4
	20	78 721.2	2754.1	78 878.2	2876.4	79 035.4	2998.8	79 192.9	3121.2
	25	71 142.0	2875.2	71 308.8	2997.6	71 475.8	3120.0	71 643.2	3242.5
	30	63 562.8	3003.6	63 739.4	3126.1	63 916.2	3248.5	64 093.4	3371.0
	35	55 983.8	3139.4	56 170.2	3261.9	56 356.9	3384.3	56 543.9	3506.9
	40	48 404.8	3282.5	48 601.1	3405.0	48 797.6	3527.5	48 994.5	3650.2
	45	40 826.2	3433.0	41 032.2	3555.5	41 238.6	3678.1	41 445.3	3800.8
75	50	33 247.6	3590.8	33 463.4	3713.4	33 679.6	3836.0	33 896.2	3958.7
83	55	25 669.2	3755.9	25 894.9	3878.6	26 120.9	4001.2	26 347.3	4124.0
91									
99	00	818 090.9	2 153 928.4	818 326.4	2 164 051.1	818 562.2	2 174 173.8	818 798.5	2 184 296.7
107	05	10 512.8	4108.2	10 758.1	4231.0	11 003.7	4353.7	11 249.9	4476.6
115	10	802 934.9	4295.4	803 190.0	4418.2	803 445.5	4541.0	803 701.4	4664.0
123	15	795 357.2	4489.8	795 622.1	4612.7	795 887.4	4735.6	796 153.2	4858.7
	20	87 779.6	4691.7	88 054.3	4814.7	88 329.5	4937.6	88 605.1	5060.7
	25	80 202.3	4900.9	80 486.8	5023.9	80 771.8	5146.9	81 057.3	5270.1
	30	72 625.1	5117.4	72 919.5	5240.4	73 214.3	5363.5	73 509.6	5486.8
	35	65 048.2	5341.2	65 352.4	5464.4	65 657.0	5587.5	65 962.3	5710.8
	40	57 471.6	5572.3	57 785.5	5695.6	58 100.0	5818.9	58 415.1	5942.3
	45	49 895.0	5810.9	50 218.8	5934.2	50 543.2	6057.5	50 868.1	6181.0
76	50	42 318.8	6056.7	42 652.4	6180.2	42 986.6	6303.6	43 321.3	6427.1
84	55	34 742.8	6310.0	35 086.2	6433.5	35 430.2	6557.0	35 774.8	6680.6
92									
100	00	727 167.0	2 156 570.6	727 520.3	2 166 694.1	727 874.2	2 176 817.7	728 228.5	2 186 941.4
108	05	19 591.6	6838.4	19 954.6	6962.1	20 318.4	7085.7	20 682.6	7209.5
116	10	12 016.2	7113.7	12 389.2	7237.4	12 762.7	7361.1	13 136.8	7485.0
124	15	704 441.4	7396.2	704 824.1	7520.0	705 207.4	7643.9	705 591.4	7767.8
	20	696 866.7	7686.1	697 259.2	7810.1	697 652.4	7934.0	698 046.2	8058.0
	25	89 292.3	7983.4	89 694.6	8107.4	90 097.6	8231.6	90 501.4	8355.5
	30	81 718.2	8287.9	82 130.4	8412.1	82 543.2	8536.2	82 956.8	8660.4
	35	74 144.4	8599.9	74 566.4	8724.1	74 989.2	8848.3	75 412.5	8972.6
	40	66 570.9	8919.1	67 002.7	9043.4	67 435.2	9167.7	67 868.5	9292.2
	45	58 997.6	9245.7	59 439.3	9370.2	59 881.7	9494.6	60 324.8	9619.1
77	50	51 424.7	9579.7	51 876.2	2 169 704.2	52 328.5	2 179 828.7	52 781.4	2 189 953.4
85	55	43 852.3	2 159 920.9	44 313.6	2 170 045.6	44 775.6	2 180 170.2	45 238.5	2 190 295.0
93									
101	00	636 280.0	2 160 269.5	636 751.1	2 170 394.3	637 223.2	2 180 519.0	637 695.8	2 190 643.9
109	05	28 708.2	0625.4	29 189.1	0750.4	29 670.9	0875.3	30 153.4	1000.2
117	10	21 136.6	0988.7	21 627.4	1113.8	22 119.0	1238.8	22 611.4	1363.9
125	15	13 565.6	1359.4	14 066.2	1484.6	14 567.6	1609.7	15 069.8	1734.9
	20	605 994.8	1737.4	606 505.2	1862.7	607 016.4	1987.9	607 528.5	2113.2
	25	598 424.3	2122.6	598 944.5	2248.1	599 465.6	2373.5	599 987.6	2498.9
	30	590 854.2	2 162 515.3	591 384.3	2 172 640.8	591 915.4	2 182 766.4	592 447.1	2 192 891.9

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 42° 00′.		Lat. 42° 05′.		Lat. 42° 10′.		Lat. 42° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 407 552.9	2 192 891.9	1 407 019.9	2 203 017.7	1 406 486.2	2 213 143.6	1 405 951.8	2 223 269.7
100 35	1 400 012.4	2498.9	1 399 489.3	2624.6	1 398 965.6	2750.4	1 398 441.0	2876.3
108 40	1 392 471.5	2113.2	91 958.2	2238.8	91 444.4	2364.5	90 929.8	2490.3
116 45	84 930.2	1734.9	84 426.9	1860.3	83 923.0	1985.9	83 418.2	2111.5
69 50	77 388.6	1363.9	76 895.2	1489.3	76 401.1	1614.7	75 906.2	1740.3
77 55	69 846.6	1000.2	69 363.0	1125.5	68 878.8	1250.8	68 393.8	1376.3
85								
93 00	1 362 304.2	2 190 643.9	1 361 830.6	2 200 769.1	1 361 356.3	2 210 894.3	1 360 881.2	2 221 019.7
101 05	54 761.5	2 190 295.0	54 297.8	0420.0	53 833.4	0545.1	53 368.2	0670.4
109 10	47 218.6	2 189 953.4	46 764.7	2 200 078.3	46 310.2	2 210 203.4	45 854.9	2 220 328.5
117 15	39 675.2	9619.1	39 231.2	2 199 743.9	38 786.6	2 209 868.9	38 341.2	2 219 993.9
20	32 131.5	9292.2	31 697.3	9416.9	31 262.6	9541.8	30 827.2	9666.7
25	24 587.5	8972.6	24 163.2	9097.3	23 738.4	9222.0	23 312.8	9346.9
30	17 043.2	8660.4	16 628.9	8785.0	16 213.9	8909.6	15 798.2	9034.4
35	09 498.6	8355.5	09 094.2	8480.0	08 689.1	8604.6	08 283.4	8729.3
40	1 301 953.8	8058.0	1 301 559.0	8182.3	1 301 163.9	8306.8	1 300 768.1	8431.4
45	1 294 408.6	7767.8	1 294 023.8	7892.1	1 293 638.6	8016.4	1 293 252.6	8140.9
70 50	86 863.2	7485.0	86 488.3	7609.2	86 112.8	7733.4	85 736.8	7857.9
78 55	79 317.4	7209.5	78 952.4	7333.6	78 586.9	7457.8	78 220.8	7582.1
86								
94 00	1 271 771.4	2 186 941.4	1 271 416.3	2 197 065.4	1 271 060.6	2 207 189.5	1 270 704.4	2 217 313.8
102 05	64 225.2	6680.6	63 879.9	6804.5	63 534.1	6928.6	63 187.8	7052.7
110 10	56 678.7	6427.1	56 343.3	6551.1	56 007.4	6675.0	55 671.0	6799.1
118 15	49 131.9	6181.0	48 806.5	6304.9	48 480.4	6428.7	48 153.8	6552.7
20	41 584.9	5942.3	41 269.3	6066.0	40 953.2	6189.8	40 636.6	6313.8
25	34 037.7	5710.8	33 732.0	5834.5	33 425.7	5958.3	33 119.0	6082.2
30	26 490.4	5486.8	26 194.4	5610.4	25 898.1	5734.0	25 601.3	5857.9
35	18 942.7	5270.1	18 656.6	5393.6	18 370.1	5517.2	18 083.2	5641.0
40	11 394.9	5060.7	11 118.6	5184.1	10 842.1	5307.7	10 565.0	5431.5
45	1 203 846.8	4858.7	1 203 580.5	4982.1	1 203 313.8	5105.6	1 203 046.7	5229.3
71 50	1 196 298.6	4664.0	1 196 042.1	4787.3	1 195 785.2	4910.8	1 195 528.1	5034.4
79 55	88 750.1	4476.6	88 508.5	4599.9	88 256.6	4723.3	88 009.3	4846.9
87								
95 00	1 181 201.5	2 184 296.7	1 180 964.8	2 194 419.9	1 180 727.8	2 204 543.2	1 180 490.4	2 214 666.7
103 05	73 652.7	4124.0	73 425.9	4247.2	73 198.7	4370.5	72 971.2	4493.9
111 10	66 103.8	3958.7	65 886.8	4081.9	65 669.5	4205.1	65 451.9	4328.5
119 15	58 554.7	3800.8	58 347.5	3923.9	58 140.1	4047.0	57 932.4	4170.4
20	51 005.5	3650.2	50 808.3	3773.2	50 610.7	3896.3	50 412.8	4019.7
25	43 456.1	3506.9	43 268.7	3629.9	43 080.9	3753.0	42 893.0	3876.3
30	35 906.6	3371.0	35 729.1	3493.9	35 551.3	3617.0	35 373.2	3740.3
35	28 356.8	3242.5	28 189.2	3365.4	28 021.3	3488.4	27 853.1	3611.6
40	20 807.1	3121.2	20 649.4	3244.1	20 491.3	3367.1	20 333.0	3490.3
45	13 257.2	3007.4	13 109.2	3130.3	12 961.1	3253.2	12 812.7	3376.3
72 50	1 105 707.2	2900.8	1 105 569.1	3023.7	1 105 430.9	3146.6	1 105 292.4	3269.7
80 55	1 098 157.0	2801.7	1 098 028.8	2924.5	1 097 900.5	3047.3	1 097 771.9	3170.4
88								
96 00	1 090 606.9	2 182 709.8	1 090 488.6	2 192 832.5	1 090 370.1	2 202 955.4	1 090 251.4	2 213 078.5
104 05	83 056.4	2625.4	82 948.0	2748.1	82 839.3	2870.9	82 730.6	2993.9
112 10	75 506.0	2548.2	75 407.4	2671.0	75 308.6	2793.8	75 209.7	2916.7
120 15	67 955.6	2478.4	67 866.8	2601.1	67 778.0	2723.9	67 688.9	2846.9
20	60 405.1	2416.0	60 326.2	2538.7	60 247.2	2661.5	60 168.1	2784.4
25	52 854.6	2360.9	52 785.6	2483.6	52 716.6	2606.3	52 647.2	2729.3
30	45 304.2	2313.1	45 245.0	2435.8	45 185.8	2558.5	45 126.4	2681.5
35	37 753.5	2272.7	37 704.2	2395.4	37 654.8	2518.1	37 605.3	2641.0
40	30 202.8	2239.7	30 163.3	2362.3	30 123.9	2485.0	30 084.3	2607.9
45	22 652.1	2214.0	22 622.5	2336.6	22 592.9	2459.3	22 563.2	2582.2
73 50	15 101.4	2195.6	15 081.7	2318.2	15 061.9	2440.9	15 042.1	2563.8
81 55	07 550.7	2184.6	07 540.8	2307.2	07 531.0	2429.9	07 521.1	2552.8
89								
97 00	1 000 000.0	2 182 180.9	1 000 000.0	2 192 303.5	1 000 000.0	2 202 426.2	1 000 000.0	2 212 549.1
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 42° 00′.		Lat. 42° 05′.		Lat. 42° 10′.		Lat. 42° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
73									
81									
89									
97	00	1 000 000.0	2 18 2180.9	1 000 000.0	2 192 303.5	1 000 000.0	2 202 426.2	1 000 000.0	2 212 549.1
105	05	992 449.3	2184.6	992 459.2	2307.2	992 469.0	2429.9	992 478.9	2552.8
113	10	84 898.6	2195.6	84 918.3	2318.2	84 938.1	2440.9	84 957.9	2563.8
121	15	77 347.9	2214.0	77 377.5	2336.6	77 407.1	2459.3	77 436.8	2582.2
	20	69 797.2	2239.7	69 836.7	2362.3	69 876.1	2485.0	69 915.7	2607.9
	25	62 246.5	2272.7	62 295.8	2395.4	62 345.2	2518.1	62 394.7	2641.0
	30	54 695.8	2313.1	54 755.0	2435.8	54 814.2	2558.5	54 873.6	2681.5
	35	47 145.4	2360.9	47 214.4	2483.6	47 283.4	2606.3	47 352.8	2729.3
	40	39 594.9	2416.0	39 673.8	2538.7	39 752.8	2661.5	39 831.9	2784.4
	45	32 044.4	2478.4	32 133.2	2601.1	32 222.0	2723.9	32 311.1	2846.9
74	50	24 494.0	2548.2	24 592.6	2671.0	24 691.4	2793.8	24 790.3	2916.7
82	55	16 943.6	2625.4	17 052.0	2748.1	17 160.7	2870.9	17 269.4	2993.9
90									
98	00	909 393.1	2 182 709.8	909 511.4	2 192 832.5	909 629.9	2 202 955.4	909 748.6	2 213 078.5
106	05	901 843.0	2801.7	901 971.2	2924.5	902 099.5	3047.3	902 228.1	3170.4
114	10	894 292.8	2900.8	894 430.9	3023.7	894 569.1	3146.6	894 707.6	3269.7
122	15	86 742.8	3007.4	86 890.8	3130.3	87 038.9	3253.2	87 187.3	3376.3
	20	79 192.9	3121.2	79 350.6	3244.1	79 508.7	3367.1	79 667.0	3490.3
	25	71 643.2	3242.5	71 810.8	3365.4	71 978.7	3488.4	72 146.9	3611.6
	30	64 093.4	3371.0	64 270.9	3493.9	64 448.7	3617.0	64 626.8	3740.3
	35	56 543.9	3506.9	56 731.3	3629.9	56 919.1	3753.0	57 107.0	3876.3
	40	48 994.5	3650.2	49 191.7	3773.2	49 389.3	3896.3	49 587.2	4019.7
	45	41 445.3	3800.8	41 652.5	3923.9	41 859.9	4047.0	42 067.6	4170.4
75	50	33 896.2	3958.7	34 113.2	4081.9	34 330.5	4205.1	34 548.1	4328.5
83	55	26 347.3	4124.0	26 574.1	4247.2	26 801.3	4370.5	27 028.8	4493.9
91									
99	00	818 798.5	2 184 296.7	819 035.2	2 194 419.9	819 272.2	2 204 543.2	819 509.6	2 214 666.7
107	05	11 249.9	4476.6	11 496.5	4599.9	11 743.4	4723.3	11 990.7	4846.9
115	10	803 701.4	4664.0	803 957.9	4787.3	804 214.7	4910.8	804 471.9	5034.4
123	15	796 153.2	4858.7	796 419.5	4982.1	796 686.2	5105.6	796 953.3	5229.3
	20	88 605.1	5060.7	88 881.4	5184.1	89 157.9	5307.7	89 435.0	5431.5
	25	81 057.3	5270.1	81 343.4	5393.6	81 629.9	5517.2	81 916.8	5641.0
	30	73 509.6	5486.8	73 805.6	5610.4	74 101.9	5734.0	74 398.7	5857.9
	35	65 962.3	5710.8	66 268.0	5834.5	66 574.3	5958.3	66 881.0	6082.2
	40	58 415.1	5942.3	58 730.7	6066.0	59 046.8	6189.8	59 363.4	6313.8
	45	50 868.1	6181.0	51 193.5	6304.9	51 519.6	6428.7	51 846.2	6552.7
76	50	43 321.3	6427.1	43 656.7	6551.1	43 992.6	6675.0	44 329.0	6799.1
84	55	35 774.8	6680.6	36 120.1	6804.5	36 465.9	6928.6	36 812.2	7052.7
92									
100	00	728 228.5	2 186 941.4	728 583.7	2 197 065.4	728 939.4	2 207 189.5	729 295.6	2 217 313.8
108	05	20 682.6	7209.5	21 047.6	7333.6	21 413.1	7457.8	21 779.2	7582.1
116	10	13 136.8	7485.0	13 511.7	7609.2	13 887.2	7733.4	14 263.2	7857.9
124	15	705 591.4	7767.8	705 976.2	7892.1	706 361.4	8016.4	706 747.4	8140.9
	20	698 046.2	8058.0	698 441.0	8182.3	698 836.1	8306.8	699 231.9	8431.4
	25	90 501.4	8355.5	90 905.8	8480.0	91 310.9	8604.6	91 716.6	8729.3
	30	82 956.8	8660.4	83 371.1	8785.0	83 786.1	8909.6	84 201.8	9034.4
	35	75 412.5	8972.6	75 836.8	9097.3	76 261.6	9222.0	76 687.2	9346.9
	40	67 868.5	9292.2	68 302.7	9416.9	68 737.4	9541.8	69 172.8	9666.7
	45	60 324.8	9619.1	60 768.8	2 199 743.9	61 213.4	2 209 868.9	61 658.8	2 219 993.9
77	50	52 781.4	2 189 953.4	53 235.3	2 200 078.3	53 689.7	2 210 203.4	54 145.1	2 220 328.5
85	55	45 238.5	2 190 295.0	45 702.2	0420.0	46 166.6	0545.1	46 631.8	0670.4
93									
101	00	637 695.8	2 190 643.9	638 169.4	2 200 769.1	638 643.6	2 210 894.3	639 118.8	2 221 019.7
109	05	30 153.4	1000.2	30 637.0	1125.5	31 121.2	1250.8	31 606.2	1376.3
117	10	22 611.4	1363.9	23 104.8	1489.3	23 598.9	1614.7	24 093.8	1740.3
125	15	15 069.8	1734.9	15 573.1	1860.3	16 077.0	1985.9	16 581.8	2111.5
	20	607 528.5	2113.2	08 041.8	2238.8	08 555.6	2364.5	09 070.2	2490.3
	25	599 987.6	2498.9	600 510.	2624.6	601 034.4	2750.4	601 559.0	2876.3
	30	592 447.1	2 192 891.9	592 980.1	2 203 017.7	593 513.8	2 213 143.6	594 048.2	2 223 269.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 42° 15′.		Lat. 42° 20′.		Lat. 42° 25′.		Lat. 42° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 405 951.8	2 223 269.7	1 405 416.4	2 233 395.7	1 404 880.4	2 243 521.7	1 404 343.3	2 253 647.8
100	35	1 398 441.0	2876.3	1 397 915.6	3002.2	1 397 389.4	3128.1	1 396 862.3	3254.1
108	40	90 929.8	2490.3	90 414.3	2616.0	89 898.0	2741.8	89 380.9	2867.7
116	45	83 418.2	2111.5	82 912.6	2237.3	82 406.3	2363.0	81 899.0	2488.7
69	50	75 906.2	1740.3	75 410.6	1865.8	74 914.3	1991.5	74 417.0	2117.1
77	55	68 393.8	1376.3	67 908.1	1501.8	67 421.8	1627.3	66 934.5	1752.8
85									
93	00	1 360 881.2	2 221 019.7	1 360 405.5	2 231 145.0	1 359 928.9	2 241 270.4	1 359 451.6	2 251 395.9
101	05	53 368.2	0670.4	52 902.4	0795.7	52 435.8	0921.0	51 968.5	1046.4
109	10	45 854.9	2 220 328.5	45 398.9	0453.7	44 942.3	0578.9	44 484.9	0704.2
117	15	38 341.2	2 219 993.9	37 895.2	2 230 119.0	37 448.5	2 240 244.2	37 001.1	0369.4
	20	30 827.2	9666.7	30 391.1	2 229 791.7	29 954.3	2 239 916.8	29 516.8	2 250 041.9
	25	23 312.8	9346.9	22 886.7	9471.8	22 459.9	9596.8	22 032.3	2 249 721.8
	30	15 798.2	9034.4	15 381.9	9159.2	14 965.1	9284.0	14 547.5	9409.0
	35	08 283.4	8729.3	07 877.0	8854.6	1 307 470.0	8978.7	1 307 062.4	9103.6
	40	1 300 768.1	8431.4	1 300 371.7	8556.1	1 299 974.6	8680.8	1 299 577.0	8805.6
	45	1 293 252.6	8140.9	1 292 866.1	8265.5	92 479.0	8390.1	92 091.3	8514.9
70	50	85 736.8	7857.9	85 360.3	7982.4	84 983.1	8107.0	84 605.2	8231.6
78	55	78 220.8	7582.1	77 854.1	7706.6	77 486.8	7831.1	77 119.0	7955.7
86									
94	00	1 270 704.4	2 217 313.8	1 270 347.6	2 227 438.1	1 269 990.3	2 237 562.6	1 269 632.5	2 247 687.1
102	05	63 187.8	7052.7	62 841.0	7177.0	62 493.6	7301.3	62 145.6	7425.8
110	10	55 671.0	6799.1	55 334.1	6923.3	54 996.6	7047.5	54 658.6	7171.9
118	15	48 153.8	6552.7	47 826.9	6676.9	47 499.4	6801.1	47 171.3	6925.4
	20	40 636.6	6313.8	40 319.5	6437.8	40 001.9	6562.0	39 683.8	6686.3
	25	33 119.0	6082.2	32 811.8	6206.2	32 504.2	6330.3	32 196.0	6454.4
	30	25 601.3	5857.9	25 304.0	5981.9	25 006.3	6105.9	24 708.0	6230.0
	35	18 083.2	5641.0	17 795.9	5764.9	17 508.1	5888.9	17 219.8	6012.9
	40	10 565.0	5431.5	10 287.6	5555.2	10 009.7	5679.2	09 731.4	5803.2
	45	1 203 046.7	5229.3	1 202 779.2	5353.0	1 202 511.2	5476.8	1 202 242.8	5600.8
71	50	1 195 528.1	5034.4	1 195 270.4	5158.1	1 195 012.4	5281.8	1 194 753.9	5405.8
79	55	88 009.3	4846.9	87 761.6	4970.5	87 513.5	5094.2	87 265.0	5218.2
87									
95	00	1 180 490.4	2 214 666.7	1 180 252.6	2 224 790.3	1 180 014.4	2 234 914.0	1 179 775.8	2 245 037.9
103	05	72 971.2	4493.9	72 743.2	4617.5	72 515.0	4741.1	72 286.4	4864.9
111	10	65 451.9	4328.5	65 233.9	4452.0	65 015.6	4575.6	64 796.9	4699.4
119	15	57 932.4	4170.4	57 724.3	4293.9	57 516.0	4417.4	57 307.2	4541.1
	20	50 412.8	4019.7	50 214.7	4143.1	50 016.2	4266.6	49 817.4	4390.3
	25	42 893.0	3876.3	42 704.8	3999.7	42 516.2	4123.2	42 327.4	4246.8
	30	35 373.2	3740.3	35 194.9	3863.6	35 016.2	3987.0	34 837.3	4110.6
	35	27 853.1	3611.6	27 684.7	3734.9	27 516.0	3858.3	27 347.0	3981.9
	40	20 333.0	3490.3	20 174.5	3613.5	20 015.7	3736.8	19 856.7	3860.4
	45	12 812.7	3376.3	12 664.1	3499.5	12 515.2	3622.8	12 366.1	3746.4
72	50	1 105 292.4	3269.7	1 105 153.7	3392.9	1 105 014.8	3516.1	1 104 875.6	3639.7
80	55	1 097 771.9	3170.4	1 097 643.1	3293.6	1 097 514.1	3416.8	1 097 384.8	3540.3
88									
96	00	1 090 251.4	2 213 078.5	1 090 132.5	2 223 201.7	1 090 013.4	2 233 324.9	1 089 894.1	2 243 448.3
104	05	82 730.6	2993.9	82 621.6	3117.1	82 512.4	3240.3	82 403.0	3363.7
112	10	75 209.7	2916.7	75 110.6	3039.8	75 011.4	3163.0	74 912.0	3286.4
120	15	67 688.9	2846.9	67 599.8	2969.9	67 510.4	3093.1	67 421.0	3216.5
	20	60 168.1	2784.4	60 088.9	2907.4	60 009.4	3030.6	59 929.9	3154.0
	25	52 647.2	2729.3	52 577.9	2852.3	52 508.4	2975.4	52 438.8	3098.8
	30	45 126.4	2681.5	45 067.0	2804.5	45 007.5	2927.6	44 947.8	3051.0
	35	37 605.3	2641.0	37 555.8	2764.0	37 506.3	2887.2	37 456.5	3010.5
	40	30 084.3	2607.9	30 044.7	2730.9	30 005.0	2854.1	29 965.2	2977.4
	45	22 563.2	2582.2	22 533.5	2705.2	22 503.7	2828.3	22 473.9	2951.6
73	50	15 042.1	2563.8	15 022.3	2686.8	15 002.5	2809.9	14 982.6	2933.2
81	55	07 521.1	2552.8	07 511.2	2675.8	07 501.2	2798.9	07 491.3	2922.2
89									
97	00	1 000 000.0	2 212 549.1	1 000 000.0	2 222 672.1	1 000 000.0	2 232 795.2	1 000 000.0	2 242 918.5
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 42° 15′.		Lat. 42° 20′.		Lat. 42° 25′.		Lat. 42° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000. 0	2 212 549. 1	1 000 000. 0	2 222 672. 1	1 000 000. 0	2 232 795. 2	1 000 000. 0	2 242 918. 5
105 05	992 478. 9	2552. 8	992 488. 8	2675. 8	992 498. 8	2798. 9	992 508. 7	2922. 2
113 10	84 957. 9	2563. 8	84 977. 7	2686. 8	84 997. 5	2809. 9	85 017. 4	2933. 2
121 15	77 436. 8	2582. 2	77 466. 5	2705. 2	77 496. 3	2828. 3	77 526. 1	2951. 6
20	69 915. 7	2607. 9	69 955. 3	2730. 9	69 995. 0	2854. 1	70 034. 8	2977. 4
25	62 394. 7	2641. 0	62 444. 2	2764. 0	62 493. 7	2887. 2	62 543. 5	3010. 5
30	54 873. 6	2681. 5	54 933. 0	2804. 5	54 992. 5	2927. 6	55 052. 2	3051. 0
35	47 352. 8	2729. 3	47 422. 1	2852. 3	47 491. 6	2975. 4	47 561. 2	3098. 8
40	39 831. 9	2784. 4	39 911. 1	2907. 4	39 990. 6	3030. 6	40 070. 1	3154. 0
45	32 311. 1	2846. 9	32 400. 2	2969. 9	32 489. 6	3093. 1	32 579. 0	3216. 5
74 50	24 790. 3	2916. 7	24 889. 4	3039. 8	24 988. 6	3163. 0	25 088. 0	3286. 4
82 55	17 269. 4	2993. 9	17 378. 4	3117. 1	17 487. 6	3240. 3	17 597. 0	3363. 7
90								
98 00	909 748. 6	2 213 078. 5	909 867. 5	2 223 201. 7	909 986. 6	2 233 324. 9	910 105. 9	2 243 448. 3
106 05	902 228. 1	3170. 4	902 356. 9	3293. 6	902 485. 9	3416. 8	902 615. 2	3540. 3
114 10	894 707. 6	3269. 7	894 846. 3	3392. 9	894 985. 2	3516. 1	895 124. 4	3639. 7
122 15	87 187. 3	3376. 3	87 335. 9	3499. 5	87 484. 8	3622. 8	87 633. 9	3746. 4
20	79 667. 0	3490. 3	79 825. 5	3613. 5	79 984. 3	3736. 8	80 143. 3	3860. 4
25	72 146. 9	3611. 6	72 315. 3	3734. 9	72 484. 0	3858. 3	72 653. 0	3981. 9
30	64 626. 8	3740. 3	64 805. 1	3863. 6	64 983. 8	3987. 0	65 162. 7	4110. 6
35	57 107. 0	3876. 3	57 295. 2	3999. 7	57 483. 8	4123. 2	57 672. 6	4246. 8
40	49 587. 2	4019. 7	49 785. 3	4143. 1	49 983. 8	4266. 6	50 182. 6	4390. 3
45	42 067. 6	4170. 4	42 275. 7	4293. 9	42 484. 0	4417. 4	42 692. 8	4541. 1
75 50	34 548. 1	4328. 5	34 766. 1	4452. 0	34 984. 4	4575. 6	35 203. 1	4699. 4
83 55	27 028. 8	4493. 9	27 256. 8	4617. 5	27 485. 0	4741. 1	27 713. 6	4864. 9
91								
99 00	819 509. 6	2 214 666. 7	819 747. 4	2 224 790. 3	819 985. 6	2 234 914. 0	820 224. 2	2 245 037. 9
107 05	11 990. 7	4846. 9	12 238. 4	4970. 5	12 486. 5	5094. 2	12 735. 0	5218. 2
115 10	804 471. 9	5034. 4	804 729. 6	5158. 1	804 987. 6	5281. 8	805 246. 1	5405. 8
123 15	796 953. 3	5229. 3	797 220. 8	5353. 0	797 488. 8	5476. 8	797 757. 2	5600. 8
20	89 435. 0	5431. 5	89 712. 4	5555. 2	89 990. 3	5679. 2	90 268. 6	5803. 2
25	81 916. 8	5641. 0	82 204. 1	5764. 9	82 491. 9	5888. 9	82 780. 2	6012. 9
30	74 398. 7	5857. 9	74 696. 0	5981. 9	74 993. 7	6105. 9	75 292. 0	6230. 0
35	66 881. 0	6082. 2	67 188. 2	6206. 2	67 495. 8	6330. 3	67 804. 0	6454. 4
40	59 363. 4	6313. 8	59 680. 5	6437. 8	59 998. 1	6562. 0	60 316. 2	6686. 3
45	51 846. 2	6552. 7	52 173. 1	6676. 9	52 500. 6	6801. 1	52 828. 7	6925. 4
76 50	44 329. 0	6799. 1	44 665. 9	6923. 3	45 003. 4	7047. 5	45 341. 4	7171. 9
84 55	36 812. 2	7052. 7	37 159. 0	7177. 0	37 506. 4	7301. 3	37 854. 4	7425. 8
92								
100 00	729 295. 6	2 217 313. 8	729 652. 4	2 227 438. 1	730 009. 7	2 237 562. 6	730 367. 5	2 247 687. 1
108 05	21 779. 2	7582. 1	22 145. 9	7706. 6	22 513. 2	7831. 1	22 881. 0	7955. 7
116 10	14 263. 2	7857. 9	14 639. 7	7982. 4	15 016. 9	8107. 0	15 394. 8	8231. 6
124 15	706 747. 4	8140. 9	707 133. 9	8265. 5	07 521. 0	8390. 1	07 908. 7	8514. 9
20	699 231. 9	8431. 4	699 628. 3	8556. 1	700 025. 4	8680. 8	700 423. 0	8805. 6
25	91 716. 6	8729. 3	92 123. 0	8854. 0	692 530. 0	8978. 7	692 937. 6	9103. 6
30	84 201. 8	9034. 4	84 618. 1	9159. 2	85 034. 9	9284. 0	85 452. 5	9409. 0
35	76 687. 2	9346. 9	77 113. 3	9471. 8	77 540. 1	9596. 8	77 967. 7	2 249 721. 8
40	69 172. 8	9666. 7	69 608. 9	2 229 791. 7	70 045. 7	2 239 916. 8	70 483. 2	2 250 041. 9
45	61 658. 8	2 219 993. 9	62 104. 8	2 230 119. 0	62 551. 5	2 240 244. 2	62 998. 9	0369. 4
77 50	54 145. 1	2 220 328. 5	54 601. 1	0453. 7	55 057. 7	0578. 9	55 515. 1	0704. 2
85 55	46 631. 8	0670. 4	47 097. 6	0795. 7	47 564. 2	0921. 0	48 031. 5	1046. 4
93								
101 00	639 118. 8	2 221 019. 7	639 594. 5	2 231 145. 0	640 071. 1	2 241 270. 4	640 548. 4	2 251 395. 9
109 05	31 606. 2	1376. 3	32 091. 9	1501. 8	32 578. 2	1627. 3	33 065. 5	1752. 8
117 10	24 093. 8	1740. 3	24 589. 4	1865. 8	25 085. 7	1991. 5	25 583. 0	2117. 1
125 15	16 581. 8	2111. 5	17 087. 4	2237. 3	17 593. 7	2363. 0	18 101. 0	2488. 7
20	09 070. 2	2490. 3	09 585. 7	2616. 0	10 102. 0	2741. 8	10 619. 1	2867. 7
25	601 559. 0	2876. 3	602 084. 4	3002. 2	602 610. 6	3128. 1	603 137. 7	3254. 1
30	594 048. 2	2 223 269. 7	594 583. 6	2 233 395. 7	595 119. 6	2 243 521. 7	595 656. 7	2 253 647. 8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 42° 30′.		Lat. 42° 35′.		Lat. 42° 40′.		Lat. 42° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 404 343.3	2 253 647.8	1 403 805.4	2 263 773.9	1 403 266.5	2 273 900.1	1 402 726.8	2 284 026.3
100	35	1 396 862.3	3254.1	1 396 334.2	3380.1	1 395 805.4	3506.1	1 395 275.8	3632.3
108	40	89 380.9	2867.7	88 862.9	2993.7	88 344.0	3119.6	87 824.4	3245.7
116	45	81 899.0	2488.7	81 391.1	2614.6	80 882.2	2740.4	80 372.5	2866.4
69	50	74 417.0	2117.1	73 919.0	2242.9	73 420.1	2368.6	72 920.4	2494.5
77	55	66 934.5	1752.8	66 446.3	1878.5	65 957.4	2004.2	65 467.8	2129.9
85									
93	00	1 359 451.6	2 251 395.9	1 358 973.5	2 261 521.5	1 358 494.6	2 271 647.1	1 358 015.0	2 281 772.8
101	05	51 968.5	1046.4	51 500.3	1171.9	51 031.4	1297.3	50 561.8	1423.0
109	10	44 484.9	0704.2	44 026.7	0829.6	43 567.8	0954.9	43 108.2	1080.5
117	15	37 001.1	0369.4	36 552.9	0494.7	36 103.9	0620.0	35 654.2	0745.5
	20	29 516.8	2 250 041.9	29 078.6	2 260 167.1	28 639.7	2 270 292.4	28 200.0	0417.8
	25	22 032.3	2 249 721.8	21 604.0	2 259 846.9	21 175.1	2 269 972.1	20 745.5	2 280 097.5
	30	14 547.5	9409.0	14 129.2	9534.1	13 710.2	9659.2	13 290.6	2 279 784.5
	35	1 307 062.4	9103.6	1 306 654.0	9228.7	1 306 245.0	9353.6	1 305 835.4	9478.8
	40	1 299 577.0	8805.6	1 299 178.6	8930.5	1 298 779.6	9055.4	1 298 380.0	9180.5
	45	92 091.3	8514.9	91 702.9	8639.8	91 313.9	8764.7	90 924.2	8889.7
70	50	84 605.2	8231.6	84 226.9	8356.4	83 847.8	8481.2	83 468.2	8606.1
78	55	77 119.0	7955.7	76 750.5	8080.3	76 381.5	8205.1	76 011.8	8330.0
86									
94	00	1 269 632.5	2 247 687.1	1 269 274.0	2 257 811.7	1 268 914.9	2 267 936.3	1 268 555.2	2 278 061.2
102	05	62 145.6	7425.8	61 797.2	7550.4	61 448.0	7675.0	61 098.4	7799.7
110	10	54 658.6	7171.9	54 320.1	7296.5	53 980.9	7421.0	53 641.2	7545.7
118	15	47 171.3	6925.4	46 842.7	7049.9	46 513.5	7174.3	46 183.8	7299.0
	20	39 683.8	6686.3	39 365.1	6810.6	39 045.9	6935.0	38 726.2	7059.7
	25	32 196.0	6454.4	31 887.3	6578.7	31 578.1	6703.2	31 268.4	6827.7
	30	24 708.0	6230.0	24 409.3	6354.2	24 110.1	6478.6	23 810.4	6603.1
	35	17 219.8	6012.9	16 931.0	6137.1	16 641.8	6261.4	16 352.2	6385.8
	40	09 731.4	5803.2	09 452.6	5927.4	09 173.4	6051.5	08 893.6	6175.9
	45	1 202 242.8	5600.8	1 201 974.0	5724.9	1 201 704.7	5849.0	1 201 435.0	5973.4
71	50	1 194 753.9	5405.8	1 194 495.1	5529.9	1 194 235.8	5654.0	1 193 976.0	5778.3
79	55	87 265.0	5218.2	87 016.1	5342.2	86 766.8	5466.2	86 517.0	5590.5
87									
95	00	1 179 775.8	2 245 037.9	1 179 536.8	2 255 161.8	1 179 297.5	2 265 285.8	1 179 057.8	2 275 410.0
103	05	72 286.4	4864.9	72 057.4	4988.8	71 828.0	5112.8	71 598.2	5236.9
111	10	64 796.9	4699.4	64 577.9	4823.2	64 358.4	4947.1	64 138.7	5071.3
119	15	57 307.2	4541.1	57 098.1	4664.9	56 888.6	4788.8	56 678.8	4912.9
	20	49 817.4	4390.3	49 618.3	4514.0	49 418.8	4637.9	49 219.0	4762.0
	25	42 327.4	4246.8	42 138.2	4370.5	41 948.7	4494.4	41 758.9	4618.4
	30	34 837.3	4110.6	34 658.1	4234.3	34 478.6	4358.2	34 298.8	4482.1
	35	27 347.0	3981.9	27 177.8	4105.5	27 008.2	4229.3	26 838.4	4353.3
	40	19 856.7	3860.4	19 697.4	3984.1	19 537.8	4107.8	19 378.0	4231.7
	45	12 366.1	3746.4	12 216.8	3870.0	12 067.3	3993.7	11 917.4	4117.6
72	50	1 104 875.6	3639.7	1 104 736.3	3763.2	1 104 596.6	3886.9	1 104 456.8	4010.8
80	55	1 097 384.8	3540.3	1 097 255.5	3663.9	1 097 125.8	3787.5	1 096 996.0	3911.4
88									
96	00	1 089 894.1	2 243 448.3	1 089 774.7	2 253 571.9	1 089 655.0	2 263 695.5	1 089 535.2	2 273 819.3
104	05	82 403.0	3363.7	82 293.6	3487.3	82 183.9	3610.9	82 074.1	3734.7
112	10	74 912.0	3286.4	74 812.5	3410.0	74 712.7	3533.6	74 612.9	3657.3
120	15	67 421.0	3216.5	67 331.4	3340.0	67 241.6	3463.6	67 151.8	3587.3
	20	59 929.9	3154.0	59 850.3	3277.5	59 770.5	3401.0	59 690.7	3524.7
	25	52 438.8	3098.8	52 369.2	3222.2	52 299.4	3345.8	52 229.5	3469.5
	30	44 947.8	3051.0	44 888.1	3174.4	44 828.3	3297.9	44 768.4	3421.7
	35	37 456.5	3010.5	37 406.8	3133.9	37 356.9	3257.4	37 307.0	3381.1
	40	29 965.2	2977.4	29 925.4	3100.8	29 885.5	3224.3	29 845.6	3348.0
	45	22 473.9	2951.6	22 444.1	3075.0	22 414.1	3198.5	22 384.2	3322.2
73	50	14 982.6	2933.2	14 962.7	3056.6	14 942.8	3180.1	14 922.8	3303.8
81	55	07 491.3	2922.2	07 481.4	3045.6	07 471.4	3169.1	07 461.4	3292.8
89									
97	00	1 000 000.0	2 242 918.5	1 000 000.0	2 253 041.9	1 000 000.0	2 263 165.4	1 000 000.0	2 273 289.1
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 42° 30′.		Lat. 42° 35′.		Lat. 42° 40′.		Lat. 42° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 242 918.5	1 000 000.0	2 253 041.9	1 000 000.0	2 263 165.4	1 000 000.0	2 273 289.1
105	05	992 508.7	2922.2	992 518.6	3045.6	992 528.6	3169.1	992 538.6	3292.8
113	10	85 017.4	2933.2	85 037.3	3056.6	85 057.2	3180.1	85 077.2	3303.8
121	15	77 526.1	2951.6	77 555.9	3075.0	77 585.9	3198.5	77 615.8	3322.2
	20	70 034.8	2977.4	70 074.6	3100.8	70 114.5	3224.3	70 154.4	3348.0
	25	62 543.5	3010.5	62 593.2	3133.9	62 643.1	3257.4	62 693.0	3381.1
	30	55 052.2	3051.0	55 111.9	3174.4	55 171.7	3297.9	55 231.6	3421.7
	35	47 561.2	3098.8	47 630.8	3222.2	47 700.6	3345.8	47 770.5	3469.5
	40	40 070.1	3154.0	40 149.7	3277.5	40 229.5	3401.0	40 309.3	3524.7
	45	32 579.0	3216.5	32 668.6	3340.0	32 758.4	3463.6	32 848.2	3587.3
74	50	25 088.0	3286.4	25 187.5	3410.0	25 287.3	3533.6	25 387.1	3657.3
82	55	17 597.0	3363.7	17 706.4	3487.3	17 816.1	3610.9	17 925.9	3734.7
90									
98	00	910 105.9	2 243 448.3	910 225.3	2 253 571.9	910 345.0	2 263 695.5	910 464.8	2 273 819.3
106	05	902 615.2	3540.3	902 744.5	3663.9	902 874.2	3787.5	903 004.0	3911.4
114	10	895 124.4	3639.7	895 263.7	3763.2	895 403.4	3886.9	895 543.2	4010.8
122	15	87 633.9	3746.4	87 783.2	3870.0	87 932.7	3993.7	88 082.6	4117.6
	20	80 143.3	3860.4	80 302.6	3984.1	80 462.2	4107.8	80 622.0	4231.7
	25	72 653.0	3981.9	72 822.2	4105.5	72 991.8	4229.3	73 161.6	4353.3
	30	65 162.7	4110.6	65 341.9	4234.3	65 521.4	4358.2	65 701.2	4482.1
	35	57 672.6	4246.8	57 861.8	4370.5	58 051.3	4494.4	58 241.1	4618.4
	40	50 182.6	4390.3	50 381.7	4514.0	50 581.2	4637.9	50 781.0	4762.0
	45	42 692.8	4541.1	42 901.9	4664.9	43 111.4	4788.8	43 321.2	4912.9
75	50	35 203.1	4699.4	35 422.1	4823.2	35 641.6	4947.1	35 861.3	5071.3
83	55	27 713.6	4864.9	27 942.6	4988.8	28 172.0	5112.8	28 401.8	5236.9
91									
99	00	820 224.2	2 245 037.9	820 463.2	2 255 161.8	820 702.5	2 265 285.8	820 942.2	2 275 410.0
107	05	12 735.0	5218.2	12 983.9	5342.2	13 233.2	5466.2	13 483.0	5590.5
115	10	805 246.1	5405.8	805 504.9	5529.9	805 764.2	5654.0	806 024.0	5778.3
123	15	797 757.2	5600.8	798 026.0	5724.9	798 295.3	5849.0	798 565.0	5973.4
	20	90 268.6	5803.2	90 547.4	5927.4	90 826.6	6051.5	91 106.4	6175.9
	25	82 780.2	6012.9	83 069.0	6137.1	83 358.2	6261.4	83 647.8	6385.8
	30	75 292.0	6230.0	75 590.7	6354.2	75 889.9	6478.6	76 189.6	6603.1
	35	67 804.0	6454.4	68 112.7	6578.7	68 421.9	6703.2	68 731.6	6827.7
	40	60 316.2	6686.3	60 634.9	6810.6	60 954.1	6935.0	61 273.8	7059.7
	45	52 828.7	6925.4	53 157.3	7049.9	53 486.5	7174.3	53 816.2	7299.0
76	50	45 341.4	7171.9	45 679.9	7296.5	46 019.1	7421.0	46 358.8	7545.7
84	55	37 854.4	7425.8	38 202.8	7550.4	38 552.0	7675.0	38 901.6	7799.7
92									
100	00	730 367.5	2 247 687.1	730 726.0	2 257 811.7	731 085.1	2 267 936.3	731 444.8	2 278 061.2
108	05	22 881.0	7955.7	23 249.5	8080.3	23 618.5	8205.1	23 988.2	8330.0
116	10	15 394.8	8231.6	15 773.1	8356.4	16 152.2	8481.2	16 531.8	8606.1
124	15	07 908.7	8514.9	08 297.1	8639.8	08 686.1	8764.7	09 075.8	8889.7
	20	700 423.0	8805.6	700 821.4	8930.5	701 220.4	9055.4	701 620.0	9180.5
	25	692 937.6	9103.6	693 346.0	9228.7	693 755.0	9353.6	694 164.6	9478.8
	30	85 452.5	9409.0	85 870.8	9534.1	86 289.8	9659.2	86 709.4	2 279 784.5
	35	77 967.7	2 249 721.8	78 396.0	2 259 846.9	78 824.9	2 269 972.1	79 254.5	2 280 097.5
	40	70 483.2	2 250 041.9	70 921.4	2 260 167.1	71 360.3	2 270 292.4	71 800.0	0417.8
	45	62 998.9	0369.4	63 447.1	0494.7	63 896.1	0620.0	64 345.8	0745.5
77	50	55 515.1	0704.2	55 973.3	0829.6	56 432.2	0954.9	56 891.8	1080.5
85	55	48 031.5	1046.4	48 499.7	1171.9	48 968.6	1297.3	49 438.2	1423.0
93									
101	00	640 548.4	2 251 395.9	641 026.5	2 261 521.5	641 505.4	2 271 647.1	641 985.0	2 281 772.8
109	05	33 065.5	1752.8	33 553.7	1878.5	34 042.6	2004.2	34 532.2	2129.9
117	10	25 583.0	2117.1	26 081.0	2242.9	26 579.9	2368.6	27 079.6	2494.5
125	15	18 101.0	2488.7	18 608.9	2614.6	19 117.8	2740.4	19 627.5	2866.4
	20	10 619.1	2867.7	11 137.1	2993.7	11 656.0	3119.6	12 175.6	3245.7
	25	603 137.7	3254.1	603 665.8	3380.1	604 194.6	3506.1	604 724.2	3632.3
	30	595 656.7	2 253 647.8	596 194.6	2 263 773.9	596 733.5	2 273 900.1	597 273.2	2 284 026.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 42° 45′.		Lat. 42° 50′.		Lat. 42° 55′.		Lat. 43° 00′.	
		x	y	x	y	x	y	x	y
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68									
76									
84									
92	30	1 402 726.8	2 284 026.3	1 402 186.3	2 294 152.6	1 401 645.0	2 304 278.9	1 401 102.8	2 314 405.3
100	35	1 395 275.8	3632.3	1 394 745.3	3758.5	1 394 214.0	3884.7	1 393 681.8	4011.1
108	40	87 824.4	3245.7	87 303.9	3371.8	86 782.7	3497.9	86 260.6	3624.2
116	45	80 372.5	2866.4	79 862.1	2992.4	79 351.0	3118.5	78 838.9	3244.7
69	50	72 920.4	2494.5	72 419.9	2620.4	71 918.8	2746.5	71 416.8	2872.5
77	55	65 467.8	2129.9	64 977.5	2255.8	64 486.4	2381.8	63 994.4	2507.8
85									
93	00	1 358 015.0	2 281 772.8	1 357 534.6	2 291 898.6	1 357 053.5	2 302 024.5	1 356 571.6	2 312 150.3
101	05	50 561.8	1423.0	50 091.5	1548.7	49 620.4	1674.5	49 148.5	1800.3
109	10	43 103.2	1080.5	42 647.9	1206.2	42 186.8	1331.8	41 725.0	1457.6
117	15	35 654.2	0745.5	35 204.0	0871.0	34 753.0	0996.6	34 301.2	1122.3
	20	28 200.0	0417.8	27 759.7	0543.2	27 318.8	0668.8	26 877.0	0794.4
	25	20 745.5	2 280 097.5	20 315.2	2 290 222.8	19 884.2	0348.3	19 452.6	0473.8
	30	13 290.6	2 279 784.5	12 870.3	2 289 909.8	12 449.4	2 300 035.2	12 027.7	2 310 160.6
	35	1 305 835.4	9478.8	1 305 425.2	9604.0	1 305 014.3	2 299 729.4	1 304 602.7	2 309 854.8
	40	1 298 380.0	9180.5	1 297 979.7	9305.7	1 297 578.8	9431.0	1 297 177.3	9556.4
	45	90 924.2	8889.7	90 534.0	9014.8	90 143.2	9139.9	89 751.7	9265.3
70	50	83 468.2	8606.1	83 088.0	8731.2	82 707.2	8856.3	82 325.7	8981.6
78	55	76 011.8	8330.0	75 641.6	8454.9	75 270.8	8580.0	74 899.5	8705.2
86									
94	00	1 268 555.2	2 278 061.2	1 268 195.1	2 288 186.1	1 267 834.3	2 298 311.1	1 267 473.0	2 308 436.2
102	05	61 098.4	7799.7	60 748.2	7924.6	60 397.5	8049.6	60 046.1	8174.6
110	10	53 641.2	7545.7	53 301.1	7670.5	52 960.4	7795.4	52 619.1	7920.4
118	15	46 183.8	7299.0	45 853.7	7423.7	45 523.0	7548.6	45 191.8	7673.5
	20	38 726.2	7059.7	38 406.1	7184.3	38 085.5	7309.1	37 764.3	7434.0
	25	31 268.4	6827.7	30 958.2	6952.3	30 647.7	7077.1	30 336.5	7201.9
	30	23 810.4	6603.1	23 510.3	6727.6	23 209.6	6852.3	22 908.5	6977.1
	35	16 352.2	6385.8	16 062.0	6510.3	15 771.4	6635.0	15 480.3	6759.8
	40	08 893.6	6175.9	08 613.5	6300.4	08 333.0	6425.0	08 052.0	6549.7
	45	1 201 435.0	5973.4	1 201 164.8	6097.8	1 200 894.3	6222.4	1 200 623.3	6347.1
71	50	1 193 976.0	5778.3	1 193 716.0	5902.6	1 193 455.5	6027.2	1 193 194.5	6151.8
79	55	86 517.0	5590.5	86 266.9	5714.8	86 016.4	5839.3	85 765.6	5963.9
87									
95	00	1 179 057.8	2 275 410.0	1 178 817.7	2 285 534.3	1 178 577.2	2 295 658.8	1 178 336.4	2 305 783.3
103	05	71 598.2	5236.9	71 368.2	5361.2	71 137.8	5485.7	70 906.9	5610.2
111	10	64 138.7	5071.3	63 918.7	5195.5	63 698.2	5319.8	63 477.4	5444.4
119	15	56 678.8	4912.9	56 468.9	5037.1	56 258.4	5161.5	56 047.6	5285.9
	20	49 219.0	4762.0	49 019.0	4886.1	48 818.6	5010.4	48 617.9	5134.8
	25	41 758.9	4618.4	41 568.9	4742.5	41 378.6	4866.7	41 187.8	4991.1
	30	34 298.8	4482.1	34 118.8	4606.2	33 938.4	4730.4	33 757.8	4854.8
	35	26 838.4	4353.3	26 668.4	4477.3	26 498.0	4601.5	26 327.4	4725.8
	40	19 378.0	4231.7	19 218.0	4355.8	19 057.7	4479.9	18 897.1	4604.3
	45	11 917.4	4117.6	11 767.4	4241.6	11 617.1	4365.7	11 466.6	4490.0
72	50	1 104 456.8	4010.8	1 104 316.7	4134.8	1 104 176.5	4258.9	1 104 036.0	4383.2
90	55	1 096 996.0	3911.4	1 096 865.9	4035.3	1 096 735.7	4159.4	1 096 605.2	4283.7
98									
96	00	1 089 535.2	2 273 819.3	1 089 415.1	2 283 943.2	1 089 294.9	2 294 067.3	1 089 174.5	2 304 191.6
104	05	82 074.1	3734.7	81 964.0	3858.5	81 853.8	3982.6	81 743.4	4106.8
112	10	74 612.9	3657.3	74 512.9	3781.2	74 412.7	3905.3	74 312.3	4029.5
120	15	67 151.8	3587.3	67 061.7	3711.2	66 971.6	3835.3	66 881.2	3959.4
	20	59 690.7	3524.7	59 610.6	3648.6	59 530.4	3772.7	59 450.2	3896.8
	25	52 229.5	3469.5	52 159.5	3593.4	52 089.4	3717.4	52 019.1	3841.5
	30	44 768.4	3421.7	44 708.4	3545.5	44 648.2	3669.5	44 588.0	3793.6
	35	37 307.0	3381.1	37 257.0	3505.0	37 206.8	3629.0	37 156.6	3753.1
	40	29 845.6	3348.0	29 805.6	3471.8	29 765.4	3595.8	29 725.3	3720.0
	45	22 384.2	3322.2	22 354.2	3446.0	22 324.1	3570.1	22 294.0	3694.2
73	50	14 922.8	3303.8	14 902.8	3427.6	14 882.8	3551.6	14 862.7	3675.7
81	55	07 461.4	3292.8	07 451.4	3416.6	07 441.4	3540.6	07 431.3	3664.7
89									
97	00	1 000 000.0	2 273 289.1	1 000 000.0	2 283 412.9	1 000 000.0	2 293 536.9	1 000 000.0	2 303 661.0
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 42° 45′.		Lat. 42° 50′.		Lat. 42° 55′.		Lat. 43° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73 81 89 97 00	1 000 000.0	2 273 289.1	1 000 000.0	2 283 412.9	1 000 000.0	2 293 536.9	1 000 000.0	2 303 661.0
105 05	992 538.6	3292.8	992 548.6	3416.6	992 558.6	3540.6	992 568.7	3664.7
113 10	85 077.2	3303.8	85 097.2	3427.6	85 117.2	3551.6	85 137.3	3675.7
121 15	77 615.8	3322.2	77 645.8	3446.0	77 675.9	3570.1	77 706.0	3694.2
20	70 154.4	3348.0	70 194.4	3471.8	70 234.6	3595.8	70 274.7	3720.0
25	62 693.0	3381.1	62 743.0	3505.0	62 793.2	3629.0	62 843.4	3753.1
30	55 231.6	3421.7	55 291.6	3545.5	55 351.8	3669.5	55 412.0	3793.6
35	47 770.5	3469.5	47 840.5	3593.4	47 910.6	3717.4	47 980.9	3841.5
40	40 309.3	3524.7	40 389.4	3648.6	40 469.6	3772.7	40 549.8	3896.8
45	32 848.2	3587.3	32 938.3	3711.2	33 028.4	3835.3	33 118.8	3959.4
74 50	25 387.1	3657.3	25 487.1	3781.2	25 587.3	3905.3	25 687.7	4029.5
82 55	17 925.9	3734.7	18 036.0	3858.5	18 146.2	3982.6	18 256.6	4106.8
90 98 00	910 464.8	2 273 819.3	910 584.9	2 283 943.2	910 705.1	2 294 067.3	910 825.5	2 304 191.6
106 05	903 004.0	3911.4	903 134.1	4035.3	903 264.3	4159.4	903 394.8	4283.7
114 10	895 543.2	4010.8	895 683.3	4134.8	895 823.5	4258.9	895 964.0	4383.2
122 15	88 082.6	4117.6	88 232.6	4241.6	88 382.9	4365.7	88 533.4	4490.0
20	80 622.0	4231.7	80 782.0	4355.8	80 942.3	4479.9	81 102.9	4604.3
25	73 161.6	4353.3	73 331.6	4477.3	73 502.0	4601.5	73 672.6	4725.8
30	65 701.2	4482.1	65 881.2	4606.2	66 061.6	4730.4	66 242.2	4854.8
35	58 241.1	4618.4	58 431.1	4742.5	58 621.4	4866.7	58 812.2	4991.1
40	50 781.0	4762.0	50 981.0	4886.1	51 181.4	5010.4	51 382.1	5134.8
45	43 321.2	4912.9	43 531.1	5037.1	43 741.6	5161.5	43 952.4	5285.9
75 50	35 861.3	5071.3	36 081.3	5195.5	36 301.8	5319.8	36 522.6	5444.4
83 55	28 401.8	5236.9	28 631.8	5361.2	28 862.2	5485.7	29 093.1	5610.2
91 99 00	820 942.2	2 275 410.0	821 182.3	2 285 534.3	821 422.8	2 295 658.8	821 663.6	2 305 783.3
107 05	13 483.0	5590.5	13 733.1	5714.8	13 983.6	5839.3	14 234.4	5963.9
115 10	806 024.0	5778.3	806 284.0	5902.6	806 544.5	6027.2	806 805.5	6151.8
123 15	798 565.0	5973.4	798 835.2	6097.8	799 105.7	6222.4	799 376.7	6347.1
20	91 106.4	6175.9	91 386.5	6300.4	91 667.0	6425.0	91 948.0	6549.7
25	83 647.8	6385.8	83 938.0	6510.3	84 228.6	6635.0	84 519.7	6759.8
30	76 189.6	6603.1	76 489.7	6727.6	76 790.4	6852.3	77 091.5	6977.1
35	68 731.6	6827.7	69 041.8	6952.3	69 352.3	7077.1	69 663.5	7201.9
40	61 273.8	7059.7	61 593.9	7184.3	61 914.5	7309.1	62 235.7	7434.0
45	53 816.2	7299.0	54 146.3	7423.7	54 477.0	7548.6	54 808.2	7673.5
76 50	46 358.8	7545.7	46 698.9	7670.5	47 039.6	7795.4	47 380.9	7920.4
84 55	38 901.6	7799.7	39 251.8	7924.6	39 602.5	8049.6	39 953.9	8174.6
92 100 00	731 444.8	2 278 061.2	731 804.9	2 288 186.1	732 165.7	2 298 311.1	732 527.0	2 308 436.2
108 05	23 988.2	8330.0	24 358.4	8454.9	24 729.2	8580.0	25 100.5	8705.2
116 10	16 531.8	8606.1	16 912.0	8731.2	17 292.8	8856.3	17 674.3	8981.6
124 15	09 075.8	8889.7	09 466.0	9014.8	09 856.8	9139.9	10 248.3	9265.3
20	701 620.0	9180.5	702 020.3	9305.7	702 421.2	9431.0	702 822.7	9556.4
25	694 164.6	9478.8	694 574.8	9604.0	694 985.7	2 299 729.4	695 397.3	2 309 854.8
30	86 709.4	2 279 784.5	87 129.7	2 289 909.8	87 550.6	2 300 035.2	87 972.3	2 310 160.6
35	79 254.5	2 280 097.5	79 684.8	2 290 222.8	80 115.8	0348.3	80 547.4	0473.8
40	71 800.0	0417.8	72 240.3	0543.2	72 681.2	0668.8	73 123.0	0794.4
45	64 345.8	0745.5	64 796.0	0871.0	65 247.0	0996.6	65 698.8	1122.3
77 50	56 891.8	1080.5	57 352.1	1206.2	57 813.2	1331.8	58 275.0	1457.6
85 55	49 438.2	1423.0	49 908.5	1548.7	50 379.6	1674.5	50 851.5	1800.3
93 101 00	641 985.0	2 281 772.8	642 465.4	2 291 898.6	642 946.5	2 302 024.5	643 428.4	2 312 150.3
109 05	34 532.2	2129.9	35 022.5	2255.8	35 513.6	2381.8	36 005.6	2507.8
117 10	27 079.6	2494.5	27 580.1	2620.4	28 081.2	2746.5	28 583.2	2872.5
125 15	19 627.5	2866.4	20 137.9	2992.4	20 649.0	3118.5	21 161.1	3244.7
20	12 175.6	3245.7	12 696.1	3371.8	13 217.3	3497.9	13 739.4	3624.2
25	604 724.2	3632.3	605 254.7	3758.5	605 786.0	3884.7	606 318.2	4011.1
30	597 273.2	2 284 026.3	597 813.7	2 294 152.6	598 355.0	2 304 278.9	598 897.2	2 314 405.3

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 43° 00′.		Lat. 43° 05′.		Lat. 43° 10′.		Lat. 43° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 401 102.8	2 314 405.3	1 400 559.9	2 324 531.8	1 400 015.9	2 334 658.3	1 399 471.3	2 344 784.9
100 35	1 393 681.8	4011.1	1 393 149.0	4137.5	1 392 615.0	4263.9	92 080.6	4390.4
108 40	86 260.6	3624.2	85 737.8	3750.5	85 213.9	3876.9	84 689.6	4003.3
116 45	78 838.9	3244.7	78 326.2	3370.9	77 812.4	3497.2	77 298.2	3623.5
69 50	71 416.8	2872.5	70 914.2	2998.7	70 410.5	3124.9	69 906.3	3251.2
77 55	63 994.4	2507.8	63 501.8	2633.9	63 008.2	2760.0	62 514.1	2886.2
85								
93 00	1 356 571.6	2 312 150.3	1 356 089.1	2 322 276.4	1 355 605.6	2 332 402.4	1 355 121.5	2 342 528.6
101 05	49 148.5	1800.3	48 676.0	1926.3	48 202.6	2052.3	47 728.6	2178.3
109 10	41 725.0	1457.6	41 262.6	1583.5	40 799.2	1709.5	40 335.4	1835.5
117 15	34 301.2	1122.3	33 848.8	1248.2	33 395.5	1374.0	32 941.8	1500.0
20	26 877.0	0794.4	26 434.7	0920.2	25 991.5	1046.0	25 547.9	1171.8
25	19 452.6	0473.8	19 020.4	0599.5	18 587.2	0725.3	18 153.6	0851.1
30	12 027.7	2 310 160.6	11 605.6	2 320 286.3	11 182.5	0412.0	10 759.1	0537.7
35	1 304 602.7	2 309 854.8	1 304 190.6	2 319 980.4	1 303 777.6	2 330 106.0	1 303 364.3	2 340 231.7
40	1 297 177.3	9556.4	1 296 775.3	9681.9	1 296 372.4	2 329 807.4	1 295 969.0	2 339 933.1
45	89 751.7	9265.3	89 359.7	9390.7	88 966.9	9516.2	88 573.7	9641.8
70 50	82 325.7	8981.6	81 943.8	9107.0	81 561.0	9232.4	81 178.0	9358.0
78 55	74 899.5	8705.2	74 527.6	8830.6	74 154.9	8955.9	73 781.9	9081.5
86								
94 00	1 267 473.0	2 308 436.2	1 267 111.2	2 318 561.5	1 266 748.6	2 328 686.9	1 266 385.6	2 338 812.3
102 05	60 046.1	8174.6	59 694.4	8299.9	59 341.9	8425.2	58 989.0	8550.6
110 10	52 619.1	7920.4	52 277.4	8045.6	51 935.0	8170.8	51 592.2	8296.2
118 15	45 191.8	7673.5	44 860.2	7798.7	44 527.9	7923.8	44 195.2	8049.2
20	37 764.3	7434.0	37 442.7	7559.1	37 120.4	7684.2	36 797.8	7809.5
25	30 336.5	7201.9	30 025.0	7326.9	29 712.8	7452.0	29 400.3	7577.3
30	22 908.5	6977.1	22 607.0	7102.1	22 305.0	7227.2	22 002.6	7352.4
35	15 480.3	6759.8	15 188.9	6884.7	14 896.9	7009.7	14 604.6	7134.9
40	08 052.0	6549.7	07 770.6	6674.6	07 488.6	6799.6	1 207 206.4	6924.7
45	1 200 623.3	6347.1	1 200 352.0	6471.9	1 200 080.1	6596.9	1 199 807.9	6721.9
71 50	1 193 194.5	6151.8	1 192 933.2	6276.6	1 192 671.4	6401.5	92 409.4	6526.5
79 55	85 765.6	5963.9	85 514.3	6088.7	85 262.6	6213.5	85 010.6	6338.5
87								
95 00	1 178 336.4	2 305 783.3	1 178 095.2	2 315 908.1	1 177 853.5	2 326 032.9	1 177 611.6	2 336 157.9
103 05	70 906.9	5610.2	70 675.8	5734.9	70 444.2	5859.6	70 212.4	5984.6
111 10	63 477.4	5444.4	63 256.4	5569.0	63 034.8	5693.8	62 813.1	5818.7
119 15	56 047.6	5285.9	55 836.7	5410.5	55 625.2	5535.3	55 413.5	5660.2
20	48 617.9	5134.8	48 417.0	5259.4	48 215.6	5384.1	48 013.9	5509.0
25	41 187.8	4991.1	40 997.0	5115.7	40 805.7	5240.4	40 614.1	5365.2
30	33 757.8	4854.8	33 576.9	4979.4	33 395.7	5104.0	33 214.3	5228.8
35	26 327.4	4725.8	26 156.7	4850.4	25 985.5	4975.0	25 814.1	5099.8
40	18 897.1	4604.3	18 736.4	4728.8	18 575.3	4853.3	18 413.9	4978.1
45	11 466.6	4490.0	11 315.9	4614.5	11 164.9	4739.1	11 013.6	4863.8
72 50	1 104 036.0	4383.2	1 103 895.4	4507.6	1 103 754.4	4632.2	1 103 613.3	4756.9
80 55	1 096 605.2	4283.7	1 096 474.7	4408.1	1 096 343.8	4532.6	1 096 212.7	4657.4
88								
96 00	1 089 174.5	2 304 191.6	1 089 053.9	2 314 316.0	1 088 933.1	2 324 440.5	1 088 812.1	2 334 565.2
104 05	81 743.4	4106.8	81 632.7	4231.2	81 522.0	4355.7	81 411.1	4480.4
112 10	74 312.3	4029.5	74 211.7	4153.8	74 111.1	4278.3	74 010.3	4403.0
120 15	66 881.2	3959.4	66 790.7	4083.8	66 700.1	4208.3	66 609.4	4332.9
20	59 450.2	3896.8	59 369.7	4021.2	59 289.2	4145.6	59 208.6	4270.3
25	52 019.1	3841.5	51 948.7	3965.9	51 878.2	4090.3	51 807.7	4215.0
30	44 588.0	3793.6	44 527.7	3918.0	44 467.3	4042.4	44 406.9	4167.0
35	37 156.6	3753.1	37 106.5	3877.4	37 056.0	4001.9	37 005.7	4126.5
40	29 725.3	3720.0	29 685.2	3844.3	29 644.8	3968.7	29 604.6	4093.3
45	22 294.0	3694.2	22 263.9	3818.5	22 233.6	3942.9	22 203.4	4067.5
73 50	14 862.7	3675.7	14 842.6	3800.0	14 822.4	3924.4	14 802.3	4049.0
81 55	07 431.3	3664.7	07 421.3	3789.0	07 411.2	3913.4	07 401.1	4038.0
89								
97 00	1 000 000.0	2 303 661.0	1 000 000.0	2 313 785.3	1 000 000.0	2 323 909.7	1 000 000.0	2 334 034.3
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 43° 00′.		Lat. 43° 05′.		Lat. 43° 10′.		Lat. 43° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73 51 89								
97 00	1 000 000.0	2 303 661.0	1 000 000.0	2 313 785.3	1 000 000.0	2 323 909.7	1 000 000.0	2 334 034.3
105 05	992 568.7	3664.7	992 578.7	3789.0	992 588.8	3913.4	992 598.9	4038.0
113 10	85 137.3	3675.7	85 157.4	3800.0	85 177.6	3924.4	85 197.7	4049.0
121 15	77 706.0	3694.2	77 736.1	3818.5	77 766.4	3942.9	77 796.6	4067.5
20	70 274.7	3720.0	70 314.8	3844.3	70 355.2	3968.7	70 395.4	4093.3
25	62 843.4	3753.1	62 893.5	3877.4	62 944.0	4001.9	62 994.3	4126.5
30	55 412.0	3793.6	55 472.3	3918.0	55 532.7	4042.4	55 593.1	4167.0
35	47 980.9	3841.5	48 051.3	3965.9	48 121.8	4090.3	48 192.3	4215.0
40	40 549.8	3896.8	40 630.3	4021.2	40 710.8	4145.6	40 791.4	4270.3
45	33 118.8	3959.4	33 209.3	4083.8	33 299.9	4208.3	33 390.6	4332.9
74 50	25 687.7	4029.5	25 788.3	4153.8	25 888.9	4278.3	25 989.7	4403.0
82 55	18 256.6	4106.8	18 367.3	4231.2	18 478.0	4355.7	18 588.9	4480.4
90								
98 00	910 825.5	2 304 191.6	910 946.1	2 314 316.0	911 066.9	2 324 440.5	911 187.9	2 334 565.2
106 05	903 394.8	4283.7	903 525.3	4408.1	903 656.2	4532.6	903 787.3	4657.4
114 10	895 964.0	4383.2	896 104.6	4507.6	896 245.6	4632.2	896 386.7	4756.9
122 15	88 533.4	4490.0	88 684.1	4614.5	88 835.1	4739.1	88 986.4	4863.8
20	81 102.9	4604.3	81 263.6	4728.8	81 424.7	4853.3	81 586.1	4978.1
25	73 672.6	4725.8	73 843.3	4850.4	74 014.5	4975.0	74 185.9	5099.8
30	66 242.2	4854.8	66 423.1	4979.4	66 604.3	5104.0	66 785.7	5228.8
35	58 812.2	4991.1	59 003.0	5115.7	59 194.3	5240.4	59 385.9	5365.2
40	51 382.1	5134.8	51 583.0	5259.4	51 784.4	5384.1	51 986.1	5509.0
45	43 952.4	5285.9	44 163.3	5410.5	44 374.8	5535.3	44 586.5	5660.2
75 50	36 522.6	5444.4	36 743.6	5569.0	36 965.2	5693.8	37 186.9	5818.7
83 55	29 093.1	5610.2	29 324.2	5734.9	29 555.8	5859.6	29 787.6	5984.6
91								
99 00	821 663.6	2 305 783.3	821 904.8	2 315 908.1	822 146.5	2 326 032.9	822 388.4	2 336 157.9
107 05	14 234.4	5963.9	14 485.7	6088.7	14 737.4	6213.5	14 989.4	6338.5
115 10	806 805.5	6151.8	807 066.8	6276.6	807 328.6	6401.5	07 590.6	6526.5
123 15	799 376.7	6347.1	799 648.0	6471.9	799 919.9	6596.9	800 192.1	6721.9
20	91 948.0	6549.7	92 229.4	6674.6	92 511.4	6799.6	792 793.6	6924.7
25	84 519.7	6759.8	84 811.1	6884.7	85 103.1	7009.7	85 395.4	7134.9
30	77 091.5	6977.1	77 393.0	7102.1	77 695.0	7227.2	77 997.4	7352.4
35	69 663.5	7201.9	69 975.0	7326.9	70 287.2	7452.0	70 599.7	7577.3
40	62 235.7	7434.0	62 557.3	7559.1	62 879.6	7684.2	63 202.2	7809.5
45	54 808.2	7673.5	55 139.8	7798.7	55 472.1	7923.8	55 804.8	8049.2
76 50	47 380.9	7920.4	47 722.6	8045.6	48 065.0	8170.8	48 407.8	8296.2
84 55	39 953.9	8174.6	40 305.6	8299.9	40 658.1	8425.2	41 011.0	8550.6
92								
100 00	732 527.0	2 308 436.2	732 888.8	2 318 561.5	733 251.4	2 328 686.9	733 614.4	2 338 812.3
108 05	25 100.5	8705.2	25 472.4	8830.6	25 845.1	8955.9	26 218.1	9081.5
116 10	17 674.3	8981.6	18 056.2	9107.0	18 439.0	9232.4	18 822.0	9358.0
124 15	10 248.3	9265.3	10 640.3	9390.7	11 033.1	9516.2	11 426.3	9641.8
20	702 822.7	9556.4	703 224.7	9681.9	703 627.6	2 329 807.4	704 031.0	2 339 933.1
25	695 397.3	2 309 854.8	695 809.4	2 319 980.4	696 222.4	2 330 106.0	696 635.7	2 340 231.7
30	87 972.3	2 310 160.6	88 394.4	2 320 286.3	88 817.5	0412.0	89 240.9	0537.7
35	80 547.4	0473.8	80 979.6	0599.5	81 412.8	0725.3	81 846.4	0851.1
40	73 123.0	0794.4	73 565.3	0920.2	74 008.5	1046.0	74 452.1	1171.8
45	65 698.8	1122.3	66 151.2	1248.2	66 604.5	1374.0	67 058.2	1500.0
77 50	58 275.0	1457.6	58 737.4	1583.5	59 200.8	1709.5	59 664.6	1835.5
85 55	50 851.5	1800.3	51 324.0	1926.3	51 797.4	2052.3	52 271.4	2178.3
93								
101 00	643 428.4	2 312 150.3	643 910.9	2 322 276.4	644 394.4	2 332 402.4	644 878.5	2 342 528.6
109 05	36 005.6	2507.8	36 498.2	2633.9	36 991.8	2760.0	37 485.9	2886.2
117 10	28 583.2	2872.5	29 085.8	2998.7	29 589.5	3124.9	30 093.7	3251.2
125 15	21 161.1	3244.7	21 673.8	3370.9	22 187.6	3497.2	22 701.8	3623.5
20	13 739.4	3624.2	14 262.2	3750.5	14 786.1	3876.9	15 310.4	4003.3
25	606 318.2	4011.1	606 851.0	4137.5	607 385.0	4263.9	07 919.4	4390.4
30	598 897.2	2 314 405.3	599 440.1	2 324 531.8	599 984.1	2 334 658.3	600 528.7	2 344 784.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 43° 15′.		Lat. 43° 20′.		Lat. 43° 25′.		Lat. 43° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 399 471.3	2 344 784.9	1 398 925.6	2 354 911.6	1 398 379.1	2 365 038.2	1 397 831.8	2 375 165.1
100	35	92 080.6	4390.4	91 545.0	4517.0	91 008.6	4643.7	90 471.4	4770.4
108	40	84 689.6	4003.3	84 164.2	4129.9	83 637.8	4256.4	83 110.9	4383.0
116	45	77 298.2	3623.5	76 782.8	3750.1	76 266.5	3876.6	75 749.7	4003.1
69	50	69 906.3	3251.2	69 401.0	3377.6	68 895.0	3504.0	68 388.4	3630.6
77	55	62 514.1	2886.2	62 019.0	3012.6	61 523.2	3138.9	61 026.5	3265.4
85									
93	00	1 355 121.5	2 342 528.6	1 354 636.6	2 352 654.9	1 354 150.8	2 362 781.2	1 353 664.5	2 372 907.6
101	05	47 728.6	2178.3	47 253.8	2304.6	46 778.2	2430.8	46 301.9	2557.2
109	10	40 335.4	1835.5	39 870.7	1961.7	39 405.2	2087.9	38 939.1	2214.2
117	15	32 941.8	1500.0	32 487.3	1626.1	32 031.8	1752.2	31 575.9	1878.5
	20	25 547.9	1171.8	25 103.3	1297.9	24 658.1	1424.0	24 212.3	1550.2
	25	18 153.6	0851.1	17 719.2	0977.1	17 284.1	1103.2	16 848.5	1229.3
	30	10 759.1	0537.7	10 334.8	0663.7	09 909.8	0789.7	09 484.3	0915.7
	35	1 303 364.3	2 340 231.7	1 302 950.1	0357.6	1 302 535.2	0483.6	1 302 119.8	0609.6
	40	1 295 969.0	2 339 933.1	1 295 565.0	2 350 059.0	1 295 160.2	2 360 184.8	1 294 755.0	0310.8
	45	88 573.7	9641.8	88 179.7	2 349 767.7	87 785.1	2 359 893.5	87 389.9	2 370 019.4
70	50	81 178.0	9358.0	80 794.1	9483.7	80 409.5	9609.5	80 024.6	2 369 735.4
78	55	73 781.9	9081.5	73 408.1	9207.2	73 033.7	9332.9	72 659.0	9458.7
86									
94	00	1 266 385.6	2 338 812.3	1 266 022.0	2 348 938.0	1 265 657.7	2 359 063.7	1 265 293.0	2 369 189.5
102	05	58 989.0	8550.6	58 635.5	8676.2	58 281.4	8801.8	57 926.8	8927.6
110	10	51 592.2	8296.2	51 248.8	8421.7	50 904.8	8547.4	50 560.4	8673.1
118	15	44 195.2	8049.2	43 861.8	8174.7	43 527.9	8300.3	43 193.7	8425.9
	20	36 797.8	7809.5	36 474.6	7935.0	36 150.9	8060.5	35 826.7	8186.2
	25	29 400.3	7577.3	29 087.2	7702.7	28 773.5	7828.2	28 459.5	7953.8
	30	22 002.6	7352.4	21 699.5	7477.8	21 396.0	7603.2	21 092.1	7728.8
	35	14 604.6	7134.9	14 311.7	7260.2	14 018.2	7385.6	13 724.5	7511.1
	40	1 207 206.4	6924.7	1 206 923.5	7050.0	1 206 640.2	7175.4	1 206 356.7	7300.9
	45	1 199 807.9	6721.9	1 199 535.2	6847.2	1 199 262.1	6972.6	1 198 988.6	7098.0
71	50	92 409.4	6526.5	92 146.8	6651.8	91 883.7	6777.1	91 620.4	6902.5
79	55	85 010.6	6338.5	84 758.1	6463.7	84 505.1	6589.0	84 251.9	6714.4
87									
95	00	1 177 611.6	2 336 157.9	1 177 369.1	2 346 283.0	1 177 126.4	2 356 408.3	1 176 883.3	2 366 533.6
103	05	70 212.4	5984.6	69 980.0	6109.7	69 747.4	6235.0	69 514.4	6360.3
111	10	62 813.1	5818.7	62 590.9	5943.8	62 368.3	6069.0	62 145.4	6194.3
119	15	55 413.5	5660.2	55 201.5	5785.2	54 989.0	5910.4	54 776.3	6035.7
	20	48 013.9	5509.0	47 812.0	5634.1	47 609.6	5759.2	47 407.1	5884.4
	25	40 614.1	5365.2	40 422.3	5490.2	40 230.0	5615.4	40 037.6	5740.6
	30	33 214.3	5228.8	33 032.5	5353.8	32 850.3	5478.9	32 668.0	5604.1
	35	25 814.1	5099.8	25 642.5	5224.8	25 470.4	5349.8	25 298.3	5475.0
	40	18 413.9	4978.1	18 252.4	5103.1	18 090.5	5228.1	17 928.5	5353.3
	45	11 013.6	4863.8	10 862.2	4988.8	10 710.4	5113.8	10 558.5	5238.9
72	50	1 103 613.3	4756.9	1 103 471.9	4881.8	1 103 330.2	5006.8	1 103 188.5	5132.0
80	55	1 096 212.7	4657.4	1 096 081.4	4782.3	1 095 949.9	4907.3	1 095 818.3	5032.4
88									
96	00	1 088 812.1	2 334 565.2	1 088 690.9	2 344 690.1	1 088 569.6	2 354 815.1	1 088 448.0	2 364 940.2
104	05	81 411.1	4480.4	81 300.0	4605.3	81 188.9	4730.2	81 077.5	4855.3
112	10	74 010.3	4403.0	73 909.3	4527.8	73 808.2	4652.8	73 706.9	4777.9
120	15	66 609.4	4332.9	66 518.5	4457.8	66 427.6	4582.7	66 336.4	4707.8
	20	59 208.6	4270.3	59 127.8	4395.1	59 046.9	4520.0	58 965.9	4645.1
	25	51 807.7	4215.0	51 737.0	4339.8	51 666.3	4464.7	51 595.3	4589.7
	30	44 406.9	4167.0	44 346.3	4291.8	44 285.6	4416.8	44 224.8	4541.8
	35	37 005.7	4126.5	36 955.2	4251.3	36 904.8	4376.2	36 854.0	4501.2
	40	29 604.6	4093.3	29 564.2	4218.1	29 523.8	4343.0	29 483.2	4468.0
	45	22 203.4	4067.5	22 173.1	4192.3	22 142.9	4317.2	22 112.4	4442.2
73	50	14 802.3	4049.0	14 782.1	4173.8	14 761.9	4298.7	14 741.6	4423.7
81	55	07 401.1	4038.0	07 391.0	4162.8	07 381.0	4287.7	07 370.8	4412.7
89									
97	00	1 000 000.0	2 334 034.3	1 000 000.0	2 344 159.1	1 000 000.0	2 354 284.0	1 000 000.0	2 364 409.0
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 43° 15′.		Lat. 43° 20′.		Lat. 43° 25′.		Lat. 43° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 334 034.3	1 000 000.0	2 344 159.1	1 000 000.0	2 354 284.0	1 000 000.0	2 364 409.0
105	05	992 598.9	4038.0	992 609.0	4162.8	992 619.0	4287.7	992 629.2	4412.7
113	10	85 197.7	4049.0	85 217.9	4173.8	85 238.1	4298.7	85 258.4	4423.7
121	15	77 796.6	4067.5	77 826.9	4192.3	77 857.1	4317.2	77 887.6	4442.2
	20	70 395.4	4093.3	70 435.8	4218.1	70 476.2	4343.0	70 516.8	4468.0
	25	62 994.3	4126.5	63 044.8	4251.3	63 095.2	4376.2	63 146.0	4501.2
	30	55 593.1	4167.0	55 653.7	4291.8	55 714.4	4416.8	55 775.2	4541.8
	35	48 192.3	4215.0	48 263.0	4339.8	48 333.7	4464.7	48 404.7	4589.7
	40	40 791.4	4270.3	40 872.2	4395.1	40 953.1	4520.0	41 034.1	4645.1
	45	33 390.6	4332.9	33 481.5	4457.8	33 572.4	4582.7	33 663.6	4707.8
74	50	25 989.7	4403.0	26 090.7	4527.8	26 191.8	4652.8	26 293.1	4777.9
82	55	18 588.9	4480.4	18 700.0	4605.3	18 811.1	4730.2	18 922.5	4855.3
90									
98	00	911 187.9	2 334 565.2	911 309.1	2 344 690.1	911 430.4	2 354 815.1	911 552.0	2 364 940.2
106	05	903 787.3	4657.4	903 918.6	4782.3	904 050.1	4907.3	904 181.7	5032.4
114	10	896 386.7	4756.9	896 528.1	4881.8	896 669.8	5006.8	896 811.5	5132.0
122	15	88 986.4	4863.8	89 137.8	4988.8	89 289.6	5113.8	89 441.5	5238.9
	20	81 586.1	4978.1	81 747.6	5103.1	81 909.5	5228.1	82 071.5	5353.3
	25	74 185.9	5099.8	74 357.5	5224.8	74 529.6	5349.8	74 701.7	5475.0
	30	66 785.7	5228.8	66 967.5	5353.8	67 149.7	5478.9	67 332.0	5604.1
	35	59 385.9	5365.2	59 577.7	5490.2	59 770.0	5615.4	59 962.4	5740.6
	40	51 986.1	5509.0	52 188.0	5634.1	52 390.4	5759.2	52 592.9	5884.4
	45	44 586.5	5660.2	44 798.5	5785.2	45 011.0	5910.4	45 223.7	6035.7
75	50	37 186.9	5818.7	37 409.1	5943.8	37 631.7	6069.0	37 854.6	6194.3
83	55	29 787.6	5984.6	30 020.0	6109.7	30 252.6	6235.0	30 485.6	6360.3
91									
99	00	822 388.4	2 336 157.9	822 630.9	2 346 283.0	822 873.6	2 356 408.3	823 116.7	2 366 533.6
107	05	14 989.4	6338.5	15 241.9	6463.7	15 494.9	6589.0	15 748.1	6714.4
115	10	07 590.6	6526.5	07 853.2	6651.8	08 116.3	6777.1	08 379.6	6902.5
123	15	800 192.1	6721.9	800 464.8	6847.2	800 737.9	6972.6	801 011.4	7098.0
	20	792 793.6	6924.7	793 076.5	7050.0	793 359.8	7175.4	793 643.3	7300.9
	25	85 395.4	7134.9	85 688.3	7260.2	85 981.8	7385.6	86 275.5	7511.1
	30	77 997.4	7352.4	78 300.5	7477.8	78 604.0	7603.2	78 907.9	7728.8
	35	70 599.7	7577.3	70 912.8	7702.7	71 226.5	7828.2	71 540.5	7953.8
	40	63 202.2	7809.5	63 525.4	7935.0	63 849.1	8060.5	64 173.3	8186.2
	45	55 804.8	8049.2	56 138.2	8174.7	56 472.1	8300.3	56 806.3	8425.9
76	50	48 407.8	8296.2	48 751.2	8421.7	49 095.2	8547.4	49 439.6	8673.1
84	55	41 011.0	8550.6	41 364.5	8676.2	41 718.6	8801.8	42 073.2	8927.6
92									
100	00	733 614.4	2 338 812.3	733 978.0	2 348 938.0	734 342.3	2 359 063.7	734 707.0	2 369 189.5
108	05	26 218.1	9081.5	26 591.9	9207.2	26 966.3	9332.9	27 341.0	9458.7
116	10	18 822.0	9358.0	19 205.9	9483.7	19 590.5	9609.5	19 975.4	2 369 735.4
124	15	11 426.3	9641.8	11 820.3	2 349 767.7	12 214.9	2 359 893.5	12 610.1	2 370 019.4
	20	704 031.0	2 339 933.1	704 435.0	2 350 059.0	704 839.8	2 360 184.8	705 245.0	0310.8
	25	696 635.7	2 340 231.7	697 049.9	0357.6	697 464.8	0483.6	697 880.2	0609.6
	30	89 240.9	0537.7	89 665.2	0663.7	90 090.2	0789.7	90 515.7	0915.7
	35	81 846.4	0851.1	82 280.8	0977.1	82 715.9	1103.2	83 151.5	1229.3
	40	74 452.1	1171.8	74 896.7	1297.9	75 341.9	1424.0	75 787.7	1550.2
	45	67 058.2	1500.0	67 512.7	1626.1	67 968.2	1752.2	68 424.1	1878.5
77	50	59 664.6	1835.5	60 129.3	1961.7	60 594.8	2087.9	61 060.9	2214.2
85	55	52 271.4	2178.3	52 746.2	2304.6	53 221.8	2430.8	53 698.1	2557.2
93									
101	00	644 878.5	2 342 528.6	645 363.4	2 352 654.9	645 849.2	2 362 781.2	646 335.5	2 372 907.6
109	05	37 485.9	2886.2	37 981.0	3012.6	38 476.8	3138.9	38 973.5	3265.4
117	10	30 093.7	3251.2	30 599.0	3377.6	31 105.0	3504.0	31 611.6	3630.6
125	15	22 701.8	3623.5	23 217.2	3750.1	23 733.5	3876.6	24 250.3	4003.1
	20	15 310.4	4003.3	15 835.8	4129.9	16 362.2	4256.4	16 889.1	4383.0
	25	07 919.4	4390.4	08 455.0	4517.0	08 991.4	4643.7	09 528.6	4770.4
	30	600 528.7	2 344 784.9	601 074.4	2 354 911.6	601 620.9	2 365 038.2	602 168.2	2 375 165.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 43° 30′.		Lat. 43° 35′.		Lat. 43° 40′.		Lat. 43° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 397 831.8	2 375 165.1	1 397 283.7	2 385 291.9	1 396 734.7	2 395 418.7	1 396 184.9	2 405 545.7
100	35	90 471.4	4770.4	89 933.6	4897.1	89 394.9	5023.9	88 855.1	5150.8
108	40	83 110.9	4383.0	82 583.0	4509.8	82 054.4	4636.5	81 524.9	4763.4
116	45	75 749.7	4003.1	75 232.2	4129.8	74 713.7	4256.5	74 194.5	4383.3
69	50	68 388.4	3630.6	67 880.9	3757.2	67 372.6	3883.8	66 863.5	4010.5
77	55	61 026.5	3265.4	60 529.2	3391.9	60 031.2	3518.5	59 532.2	3645.2
85									
93	00	1 353 664.5	2 372 907.6	1 353 177.3	2 383 034.1	1 352 689.4	2 393 160.6	1 352 200.7	2 403 287.3
101	05	46 301.9	2557.2	45 824.9	2683.6	45 347.1	2810.1	44 868.6	2936.7
109	10	38 939.1	2214.2	38 472.3	2340.5	38 004.7	2466.9	37 536.3	2593.5
117	15	31 575.9	1878.5	31 119.2	2004.8	30 661.8	2131.2	30 203.7	2257.7
	20	24 212.3	1550.2	23 765.8	1676.5	23 318.6	1802.8	22 870.6	1929.3
	25	16 848.5	1229.3	16 412.1	1355.5	15 975.0	1481.8	15 537.3	1608.2
	30	09 484.3	0915.7	09 058.1	1041.9	08 631.2	1168.2	08 203.6	1294.5
	35	1 302 119.8	0609.6	1 301 703.8	0735.7	1 301 287.0	0861.9	1 300 869.7	0988.3
	40	1 294 755.0	0310.8	1 294 349.1	0436.9	1 293 942.5	0563.0	1 293 535.3	0689.3
	45	87 389.9	2 370 019.4	86 994.2	2 380 145.5	86 597.8	2 390 271.6	86 200.9	0397.8
70	50	80 024.6	2 369 735.4	79 639.0	2 379 861.4	79 252.8	2 389 987.4	78 866.0	2 400 113.7
78	55	72 659.0	9458.7	72 283.5	9584.7	71 907.4	9710.7	71 530.8	2 399 836.9
86									
94	00	1 265 293.0	2 369 189.5	1 264 927.7	2 379 315.4	1 264 561.9	2 389 441.4	1 264 195.4	2 399 567.5
102	05	57 926.8	8927.6	57 571.7	9053.5	57 216.0	9179.4	56 859.7	9305.5
110	10	50 560.4	8673.1	50 215.4	8798.9	49 869.8	8924.8	49 523.7	9050.9
118	15	43 193.7	8425.9	42 858.8	8551.7	42 523.5	8677.6	42 187.5	8803.6
	20	35 826.7	8186.2	35 502.0	8311.9	35 176.8	8437.8	34 851.1	8563.8
	25	28 459.5	7953.8	28 145.0	8079.5	27 829.9	8205.3	27 514.4	8331.3
	30	21 092.1	7728.8	20 787.8	7854.5	20 482.9	7980.2	20 177.5	8106.2
	35	13 724.5	7511.1	13 430.2	7636.8	13 135.6	7762.5	12 840.4	7888.5
	40	1 206 356.7	7300.9	1 206 072.6	7426.5	1 205 788.0	7552.2	1 205 503.0	7678.1
	45	1 198 988.6	7098.0	1 198 714.7	7223.6	1 198 440.3	7349.3	1 198 165.5	7475.2
71	50	91 620.4	6902.5	91 356.6	7028.1	91 092.3	7153.7	90 827.7	7279.6
79	55	84 251.9	6714.4	83 998.3	6839.9	83 744.2	6965.6	83 489.8	7091.4
87									
95	00	1 176 883.3	2 366 533.6	1 176 639.8	2 376 659.2	1 176 395.9	2 386 784.8	1 176 151.7	2 396 910.6
103	05	69 514.4	6360.3	69 281.1	6485.8	69 047.3	6611.4	68 813.3	6737.1
111	10	62 145.4	6194.3	61 922.3	6319.8	61 698.7	6445.3	61 474.8	6571.1
119	15	54 776.3	6035.7	54 563.3	6161.1	54 349.9	6286.7	54 136.1	6412.4
	20	47 407.1	5884.4	47 204.2	6009.9	47 001.0	6135.4	46 797.4	6261.0
	25	40 037.6	5740.6	39 844.9	5866.0	39 651.8	5991.5	39 458.4	6117.2
	30	32 668.0	5604.1	32 485.5	5729.5	32 302.6	5854.9	32 119.4	5980.6
	35	25 298.3	5475.0	25 125.9	5600.4	24 953.1	5725.8	24 780.1	5851.5
	40	17 928.5	5353.3	17 766.2	5478.6	17 603.6	5604.1	17 440.8	5729.7
	45	10 558.5	5238.9	10 406.3	5364.3	10 253.9	5489.7	10 101.3	5615.3
72	50	1 103 188.5	5132.0	1 103 046.4	5257.3	1 102 904.2	5382.7	1 102 761.7	5508.3
80	55	1 095 818.3	5032.4	1 095 686.4	5157.7	1 095 554.3	5283.1	1 095 422.0	5408.6
88									
96	00	1 088 448.0	2 364 940.2	1 088 326.3	2 375 065.4	1 088 204.3	2 385 190.8	1 088 082.2	2 395 316.4
104	05	81 077.5	4855.3	80 965.9	4980.6	80 854.1	5105.9	80 742.2	5231.5
112	10	73 706.9	4777.9	73 605.5	4903.1	73 503.9	5028.5	73 402.1	5154.0
120	15	66 336.4	4707.8	66 245.1	4833.0	66 153.7	4958.4	66 062.1	5083.9
	20	58 965.9	4645.1	58 884.7	4770.3	58 803.5	4895.6	58 722.0	5021.2
	25	51 595.3	4589.7	51 524.3	4715.0	51 453.2	4840.3	51 382.0	4965.8
	30	44 224.8	4541.8	44 163.9	4667.0	44 103.0	4792.3	44 041.9	4917.8
	35	36 854.0	4501.2	36 803.3	4626.4	36 752.5	4751.7	36 701.6	4877.2
	40	29 483.2	4468.0	29 442.6	4593.2	29 402.0	4718.5	29 361.3	4844.0
	45	22 112.4	4442.2	22 082.0	4567.4	22 051.5	4692.7	22 020.9	4818.2
73	50	14 741.6	4423.7	14 721.3	4548.9	14 701.0	4674.2	14 680.6	4799.8
81	55	07 370.8	4412.7	07 360.6	4537.9	07 350.5	4663.2	07 340.3	4788.7
89									
97	00	1 000 000.0	2 364 409.0	1 000 000.0	2 374 534.2	1 000 000.0	2 384 659.5	1 000 000.0	2 394 785.0
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 43° 30′.		Lat. 43° 35′.		Lat. 43° 40′.		Lat. 43° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 364 409.0	1 000 000.0	2 374 534.2	1 000 000.0	2 384 659.5	1 000 000.0	2 394 785.0
105	05	992 629.2	4412.7	992 630.4	4537.9	992 649.5	4663.2	992 659.7	4788.7
113	10	85 258.4	4423.7	85 270.7	4548.9	85 299.0	4674.2	85 319.4	4799.8
121	15	77 887.6	4442.2	77 918.0	4567.4	77 948.5	4692.7	77 979.1	4818.2
	20	70 516.8	4468.0	70 557.4	4593.2	70 598.0	4718.5	70 638.7	4844.0
	25	63 146.0	4501.2	63 196.7	4626.4	63 247.5	4751.7	63 298.4	4877.2
	30	55 775.2	4541.8	55 836.1	4667.0	55 897.0	4792.3	55 958.1	4917.8
	35	48 404.7	4589.7	48 475.7	4715.0	48 546.8	4840.3	48 618.0	4965.8
	40	41 034.1	4645.1	41 115.3	4770.3	41 196.5	4895.6	41 278.0	5021.2
	45	33 663.6	4707.8	33 754.9	4833.0	33 846.3	4958.4	33 937.9	5083.9
74	50	26 293.1	4777.9	26 394.5	4903.1	26 496.1	5028.5	26 597.9	5154.0
82	55	18 922.5	4855.3	19 034.1	4980.6	19 145.9	5105.9	19 257.8	5231.5
90									
98	00	911 552.0	2 364 940.2	911 673.7	2 375 065.4	911 795.7	2 385 190.8	911 917.8	2 395 316.4
106	05	904 181.7	5032.4	904 313.6	5157.7	904 445.7	5283.1	904 578.0	5408.6
114	10	896 811.5	5132.0	896 953.6	5257.3	897 095.8	5382.7	897 238.3	5508.3
122	15	89 441.5	5238.9	89 593.7	5364.3	89 746.1	5489.7	89 898.7	5615.3
	20	82 071.5	5353.3	82 233.8	5478.6	82 396.4	5604.1	82 559.2	5729.7
	25	74 701.7	5475.0	74 874.1	5600.4	75 046.9	5725.8	75 219.9	5851.5
	30	67 332.0	5604.1	67 514.5	5729.5	67 697.4	5854.9	67 880.6	5980.6
	35	59 962.4	5740.6	60 155.1	5866.0	60 348.2	5991.5	60 541.6	6117.2
	40	52 592.9	5884.4	52 795.8	6009.9	52 999.0	6135.4	53 202.6	6261.0
	45	45 223.7	6035.7	45 436.7	6161.1	45 650.1	6286.7	45 863.9	6412.4
75	50	37 854.6	6194.3	38 077.7	6319.8	38 301.3	6445.3	38 525.2	6571.1
83	55	30 485.6	6360.3	30 718.9	6485.8	30 952.7	6611.4	31 186.7	6737.1
91									
99	00	823 116.7	2 366 533.6	823 360.2	2 376 659.2	823 604.1	2 386 784.8	823 848.3	2 396 910.6
107	05	15 748.1	6714.4	16 001.7	6839.9	16 255.8	6965.6	16 510.2	7091.4
115	10	08 379.6	6902.5	08 643.4	7028.1	08 907.7	7153.7	09 172.3	7279.6
123	15	801 011.4	7098.0	801 285.3	7223.6	801 559.7	7349.3	801 834.5	7475.2
	20	793 643.3	7300.9	793 927.4	7426.5	794 212.0	7552.2	794 497.0	7678.1
	25	86 275.5	7511.1	86 569.8	7636.8	86 864.4	7762.5	87 159.6	7888.5
	30	78 907.9	7728.8	79 212.2	7854.5	79 517.1	7980.2	79 822.5	8106.2
	35	71 540.5	7953.8	71 855.0	8079.5	72 170.1	8205.3	72 485.6	8331.3
	40	64 173.3	8186.2	64 498.0	8311.9	64 823.2	8437.8	65 148.9	8563.8
	45	56 806.3	8425.9	57 141.2	8551.7	57 476.5	8677.6	57 812.5	8803.6
76	50	49 439.6	8673.1	49 784.6	8798.9	50 130.2	8924.8	50 476.3	9050.9
84	55	42 073.2	8927.6	42 428.3	9053.5	42 784.0	9179.4	43 140.3	9305.5
92									
100	00	734 707.0	2 369 189.5	735 072.3	2 379 315.4	735 438.1	2 389 441.4	735 804.6	2 399 567.5
108	05	27 341.0	9458.7	27 716.5	9584.7	28 092.6	9710.7	28 469.2	2 399 836.9
116	10	19 975.4	2 369 735.4	20 361.0	2 379 861.4	20 747.2	2 389 987.4	21 134.0	2 400 113.7
124	15	12 610.1	2 370 019.4	13 005.8	2 380 145.5	13 402.2	2 390 271.6	13 799.1	0397.8
	20	705 245.0	0310.8	705 650.9	0436.9	706 057.5	0563.0	706 464.7	0689.3
	25	697 880.2	0609.6	698 296.2	0735.7	698 713.0	0861.9	699 130.3	0988.3
	30	90 515.7	0915.7	90 941.9	1041.9	91 368.8	1168.2	91 796.4	1294.5
	35	83 151.5	1229.3	83 587.9	1355.5	84 025.0	1481.8	84 462.7	1608.2
	40	75 787.7	1550.2	76 234.2	1676.5	76 681.4	1802.8	77 129.4	1929.3
	45	68 424.1	1878.5	68 880.8	2004.8	69 338.2	2131.2	69 796.3	2257.7
77	50	61 060.9	2214.2	61 527.7	2340.5	61 995.3	2466.9	62 463.7	2593.5
85	55	53 698.1	2557.2	54 175.1	2683.6	54 652.9	2810.1	55 131.4	2936.7
93									
101	00	646 335.5	2 372 907.6	646 822.7	2 383 034.1	647 310.6	2 393 160.6	647 799.3	2 403 287.3
109	05	38 973.5	3265.4	39 470.8	3391.9	39 968.8	3518.5	40 467.8	3645.2
117	10	31 611.6	3630.6	32 119.1	3757.2	32 627.4	3883.8	33 136.5	4010.5
125	15	24 250.3	4003.1	24 767.8	4129.8	25 286.3	4256.5	25 805.5	4383.3
	20	16 889.1	4383.0	17 417.0	4509.8	17 945.6	4636.5	18 475.1	4763.4
	25	09 528.6	4770.4	10 066.4	4897.1	10 605.1	5023.9	11 144.9	5150.8
	30	602 168.2	2 375 165.1	602 716.3	2 385 291.9	603 265.3	2 395 418.7	603 815.1	2 405 545.7

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 43° 45′.		Lat. 43° 50′.		Lat. 43° 55.		Lat. 44° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 396 184.9	2 405 545.7	1 395 634.3	2 415 672.8	1 395 082.7	2 425 799.9	1 394 530.5	2 435 927.1
100	35	88 855.1	5150.8	88 314.6	5277.9	87 773.4	5404.9	87 231.3	5532.1
108	40	81 524.9	4763.4	80 994.7	4890.3	80 463.7	5017.4	79 931.8	5144.5
116	45	74 194.5	4383.3	73 674.5	4510.2	73 153.5	4637.2	72 631.9	4764.3
69	50	66 863.5	4010.5	66 353.8	4137.4	65 843.0	4264.4	65 331.7	4391.4
77	55	59 532.2	3645.2	59 032.7	3772.0	58 532.2	3898.9	58 031.1	4025.9
85									
93	00	1 352 200.7	2 403 287.3	1 351 711.3	2 413 414.1	1 351 221.1	2 423 540.9	1 350 730.2	2 433 667.9
101	05	44 868.6	2936.7	44 389.5	3063.4	43 909.4	3190.3	43 428.8	3317.2
109	10	37 536.3	2593.5	37 067.4	2720.2	36 597.5	2847.0	36 127.1	2973.9
117	15	30 203.7	2257.7	29 744.9	2384.3	29 285.3	2511.1	28 825.2	2637.9
	20	22 870.6	1929.3	22 422.0	2055.9	21 972.7	2182.6	21 522.7	2309.4
	25	15 537.3	1608.2	15 099.0	1734.8	14 659.9	1861.5	14 220.1	1988.2
	30	08 203.6	1294.5	07 775.5	1421.1	07 346.5	1547.7	1 306 917.0	1674.4
	35	1 300 869.7	0988.3	1 300 451.7	1114.7	1 300 033.0	1241.3	1 299 613.8	1368.0
	40	1 293 535.3	0689.3	1 293 127.6	0815.8	1 292 719.1	0942.4	92 310.1	1069.0
	45	86 200.9	0397.8	85 803.3	0524.2	85 405.0	0650.8	85 006.2	0777.4
70	50	78 866.0	2 400 113.7	78 478.7	2 410 240.1	78 090.6	0366.6	77 701.9	0493.2
78	55	71 530.8	2 399 836.9	71 153.8	2 409 963.3	70 775.8	2 420 089.7	70 397.5	2 430 216.3
86									
94	00	1 264 195.4	2 399 567.5	1 263 828.5	2 409 693.8	1 263 460.8	2 419 820.3	1 263 092.7	2 429 946.8
102	05	56 859.7	9305.5	56 502.9	9431.8	56 145.5	9558.2	55 787.6	9684.7
110	10	49 523.7	9050.9	49 177.2	9177.1	48 830.1	9303.5	48 482.3	9430.0
118	15	42 187.5	8803.6	41 851.2	8929.9	41 514.3	9056.2	41 176.8	9182.7
	20	34 851.1	8563.8	34 524.9	8690.0	34 198.2	8816.3	33 870.9	8942.7
	25	27 514.4	8331.3	27 198.5	8457.4	26 881.9	8583.7	26 564.9	8710.1
	30	20 177.5	8106.2	19 871.7	8232.3	19 565.4	8358.6	19 258.7	8485.0
	35	12 840.4	7888.5	12 544.9	8014.6	12 248.7	8140.8	11 952.2	8267.2
	40	1 205 503.0	7678.1	1 205 217.6	7804.2	1 204 931.8	7930.4	1 204 645.5	8056.7
	45	1 198 165.5	7475.2	1 197 890.3	7601.2	1 197 614.6	7727.4	1 197 338.5	7853.7
71	50	90 827.7	7279.6	90 562.8	7405.6	90 297.3	7531.8	90 031.4	7658.1
79	55	83 489.8	7091.4	83 235.0	7217.4	82 979.8	7343.5	82 724.1	7469.8
87									
95	00	1 176 151.7	2 396 910.6	1 175 907.0	2 407 036.5	1 175 662.0	2 417 162.7	1 175 416.6	2 427 288.9
103	05	68 813.3	6737.1	68 578.8	6863.1	68 344.0	6989.2	68 108.9	7115.4
111	10	61 474.8	6571.1	61 250.6	6697.0	61 026.0	6823.1	60 801.1	6949.3
119	15	54 136.1	6412.4	53 922.1	6538.3	53 707.7	6664.4	53 493.0	6790.6
	20	46 797.4	6261.0	46 593.6	6387.0	46 389.4	6513.0	46 184.9	6639.2
	25	39 458.4	6117.2	39 264.7	6243.0	39 070.8	6369.1	38 876.5	6495.2
	30	32 119.4	5980.6	31 935.9	6106.5	31 752.2	6232.5	31 568.1	6358.6
	35	24 780.1	5851.5	24 606.8	5977.3	24 433.3	6103.3	24 259.5	6229.4
	40	17 440.8	5729.7	17 277.7	5855.5	17 114.3	5981.5	16 950.8	6107.6
	45	10 101.3	5615.3	09 948.4	5741.1	09 795.2	5867.2	09 641.9	5993.3
72	50	1 102 761.7	5508.3	1 102 619.1	5634.1	1 102 476.1	5760.0	1 102 332.9	5886.1
80	55	1 095 422.0	5408.6	1 095 289.5	5534.4	1 095 156.8	5660.4	1 095 023.8	5786.5
88									
96	00	1 088 082.2	2 395 316.4	1 087 959.9	2 405 442.2	1 087 837.4	2 415 568.1	1 087 714.7	2 425 694.2
104	05	80 742.2	5231.5	80 630.1	5357.3	80 517.8	5483.2	80 405.2	5609.3
112	10	73 402.1	5154.0	73 300.2	5279.8	73 198.1	5405.7	73 095.8	5531.7
120	15	66 062.1	5083.9	65 970.4	5209.6	65 878.5	5335.6	65 786.4	5461.6
	20	58 722.0	5021.2	58 640.5	5146.9	58 558.8	5272.8	58 477.0	5398.8
	25	51 382.0	4965.8	51 310.7	5091.5	51 239.2	5217.5	51 167.6	5343.5
	30	44 041.9	4917.8	43 980.8	5043.6	43 919.5	5169.5	43 858.2	5295.5
	35	36 701.6	4877.2	36 650.7	5002.9	36 599.6	5128.9	36 548.5	5254.9
	40	29 361.3	4844.0	29 320.5	4969.7	29 279.7	5095.6	29 238.8	5221.7
	45	22 020.9	4818.2	21 990.4	4943.9	21 959.7	5069.8	21 929.1	5195.8
73	50	14 680.6	4799.8	14 660.3	4925.5	14 639.8	5051.4	14 619.4	5177.4
81	55	07 340.3	4788.7	07 330.1	4914.4	07 319.9	5040.3	07 309.7	5166.3
89									
97	00	1 000 000.0	2 394 785.0	1 000 000.0	2 404 910.7	1 000 000.0	2 415 036.6	1 000 000.0	2 425 162.6
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 43° 45′.		Lat. 43° 50′.		Lat. 43° 55′.		Lat. 44° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 394 785.0	1 000 000.0	2 404 910.7	1 000 000.0	2 415 036.6	1 000 000.0	2 425 162.6
105	05	992 659.7	4788.7	992 669.9	4914.4	992 680 1	5040.3	992 690.3	5166.3
113	10	85 319.4	4799.8	85 339.7	4925.5	85 360.2	5051.4	85 380.6	5177.4
121	15	77 979.1	4818.2	78 009.6	4943.9	78 040.3	5069.8	78 070.9	5195.8
	20	70 638.7	4844.0	70 679.5	4969.7	70 720.3	5095.6	70 761.2	5221.7
	25	63 298.4	4877.2	63 349.3	5002.9	63 400.4	5128.9	63 451.5	5254.9
	30	55 958.1	4917.8	56 019.2	5043.6	56 080.5	5169.5	56 141.8	5295.5
	35	48 618.0	4965.8	48 689.3	5091.5	48 760.8	5217.5	48 832.4	5343.5
	40	41 278.0	5021.2	41 359.5	5146.9	41 441.2	5272.8	41 523.0	5398.8
	45	33 937.9	5083.9	34 029.6	5209.6	34 121.5	5335.6	34 213.6	5461.6
74	50	26 597.9	5154.0	26 699.8	5279.8	26 801.9	5405.7	26 904.2	5531.7
82	55	19 257.8	5231.5	19 369.9	5357.3	19 482.2	5483.2	19 594.8	5609.3
90									
98	00	911 917.8	2 395 316.4	912 040.1	2 405 442.2	912 162.6	2 415 568.1	912 285.3	2 425 694.2
106	05	904 578.0	5408.6	904 710.5	5534.4	904 843.2	5660.4	904 976.2	5786.5
114	10	897 238.3	5508.3	897 380.9	5634.1	897 523.9	5760.0	897 667.1	5886.1
122	15	89 898.7	5615.3	90 051.6	5741.1	90 204.8	5867.2	90 358.1	5993.3
	20	82 559.2	5729.7	82 722.3	5855.5	82 885.7	5981.5	83 049.2	6107.6
	25	75 219.9	5851.5	75 393.2	5977.3	75 566.7	6103.3	75 740.5	6229.4
	30	67 880.6	5980.6	68 064.1	6106.5	68 247.8	6232.5	68 431.9	6358.6
	35	60 541.6	6117.2	60 735.3	6243.0	60 929.2	6369.1	61 123.5	6495.2
	40	53 202.6	6261.0	53 406.4	6387.0	53 610.5	6513.0	53 815.1	6639.2
	45	45 863.9	6412.4	46 077.9	6538.3	46 292.3	6664.4	46 507.0	6790.6
75	50	38 525.2	6571.1	38 749.4	6697.0	38 974.0	6823.1	39 198.9	6949.3
83	55	31 186.7	6737.1	31 421.2	6863.1	31 656.0	6989.2	31 891.1	7115.4
91									
99	00	823 848.3	2 396 910.6	824 093.0	2 407 036.5	824 338.0	2 417 162.7	824 583.4	2 427 288.9
107	05	16 510.2	7091.4	16 765.0	7217.4	17 020.2	7343.5	17 275.9	7469.8
115	10	09 172.3	7279.6	09 437.2	7405.6	09 702.7	7531.8	09 968.6	7658.1
123	15	801 834.5	7475.2	802 109.7	7601.2	802 385.4	7727.4	802 661.5	7853.7
	20	794 497.0	7678.1	794 782.4	7804.2	795 068.2	7930.4	795 354.5	8056.7
	25	87 159.6	7888.5	87 455.1	8014.6	87 751.3	8140.8	88 047.8	8267.2
	30	79 822.5	8106.2	80 128.3	8232.3	80 434.6	8358.6	80 741.3	8485.0
	35	72 485.6	8331.3	72 801.5	8457.4	73 118.1	8583.7	73 435.1	8710.1
	40	65 148.9	8563.8	65 475.1	8690.0	65 801.8	8816.3	66 129.1	8942.7
	45	57 812.5	8803.6	58 148.8	8929.9	58 485.7	9056.2	58 823.2	9182.7
76	50	50 476.3	9050.9	50 822.8	9177.1	51 169.9	9303.5	51 517.7	9430.0
84	55	43 140.3	9305.5	43 497.1	9431.8	43 854.5	9558.2	44 212.4	9684.7
92									
100	00	735 804.6	2 399 567.5	736 171.5	2 409 693.8	736 539.2	2 419 820.3	736 907.3	2 429 946.8
108	05	28 469.2	2 399 836.9	28 846.1	2 409 963.3	29 224.2	2 420 089.7	29 602.5	2 430 216.3
116	10	21 134.0	2 400 113.7	21 521.3	2 410 240.1	21 909.4	0366.6	22 298.1	0493.2
124	15	13 799.1	0397.8	14 196.7	0524.2	14 595.0	0650.8	14 993.8	0777.4
	20	706 464.7	0689.3	706 872.4	0815.8	707 280.8	0942.4	07 689.9	1069.0
	25	699 130.3	0988.3	699 548.3	1114.7	699 967.0	1241.3	700 386.2	1368.0
	30	91 796.4	1294.5	92 224.5	1421.1	92 653.5	1547.7	693 083.0	1674.4
	35	84 462.7	1608.2	84 901.0	1734.8	85 340.1	1861.5	85 779.9	1988.2
	40	77 129.4	1929.3	77 578.0	2055.9	78 027.3	2182.6	78 477.3	2309.4
	45	69 796.3	2257.7	70 255.1	2384.3	70 714.7	2511.1	71 174.8	2637.9
77	50	62 463.7	2593.5	62 932.6	2720.2	63 402.5	2847.0	63 872.9	2973.9
85	55	55 131.4	2936.7	55 610.5	3063.4	56 090.6	3190.3	56 571.2	3317.2
93									
101	00	647 799.3	2 403 287.3	648 288.7	2 413 414.1	648 778.9	2 423 540.9	649 269.8	2 433 667.9
109	05	40 467.8	3645.2	40 967.3	3772.0	41 467.8	3898.9	41 968.9	4025.9
117	10	33 136.5	4010.5	33 646.2	4137.4	34 157.0	4264.4	34 668.3	4391.4
125	15	25 805.5	4383.3	26 325.5	4510.2	26 846.5	4637.2	27 368.1	4764.3
	20	18 475.1	4763.4	19 005.3	4890.3	19 536.3	5017.4	20 068.2	5144.5
	25	11 144.9	5150.8	11 685.4	5277.9	12 226.6	5404.9	12 768.7	5532.1
	30	603 815.1	2 405 545.7	604 365.7	2 415 672.8	604 917.3	2 425 799.9	605 469.5	2 435 927.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 44° 00′.		Lat. 44° 05′.		Lat. 44° 10′.		Lat. 44° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 394 530.5	2 435 927.1	1 393 977.2	2 446 054.3	1 393 423.1	2 456 181.5	1 392 868.2	2 466 308.8
100	35	87 231.3	5532.1	86 688.4	5659.3	86 144.8	5786.4	85 599.9	5913.7
108	40	79 931.8	5144.5	79 399.2	5271.6	78 866.0	5398.7	78 331.3	5526.0
116	45	72 631.9	4764.3	72 109.6	4891.4	71 586.6	5018.4	71 062.3	5145.6
69	50	65 331.7	4391.4	64 819.6	4518.5	64 306.9	4645.5	63 792.8	4772.7
77	55	58 031.1	4025.9	57 529.3	4153.0	57 026.8	4280.0	56 523.0	4407.1
85									
93	00	1 350 730.2	2 433 667.9	1 350 238.5	2 443 794.9	1 349 746.4	2 453 921.8	1 349 252.9	2 464 048.9
101	05	43 428.8	3317.2	42 947.4	3444.1	42 465.4	3571.1	41 982.4	3698.1
109	10	36 127.1	2973.9	35 656.0	3100.8	35 184.1	3227.7	34 711.5	3354.7
117	15	28 825.2	2637.9	28 364.2	2764.8	27 902.6	2891.7	27 440.3	3018.7
	20	21 522.7	2309.4	21 072.1	2436.2	20 620.7	2563.1	20 168.7	2690.1
	25	14 220.1	1988.2	13 779.6	2115.0	13 338.6	2241.9	12 896.7	2368.8
	30	1 306 917.0	1674.4	1 306 486.8	1801.2	1 306 056.1	1928.0	1 305 624.5	2055.0
	35	1 299 613.8	1368.0	1 299 193.7	1494.8	1 298 773.2	1621.6	1 298 352.1	1748.5
	40	92 310.1	1069.0	91 900.3	1195.8	91 490.1	1322.5	91 079.2	1449.4
	45	85 006.2	0777.4	84 606.8	0904.1	84 206.7	1030.8	83 806.1	1157.7
70	50	77 701.9	0493.2	77 312.9	0619.8	76 923.1	0746.5	76 532.7	0873.3
78	55	70 397.5	2 430 216.3	70 018.6	0342.9	69 639.1	0469.6	69 259.0	0596.4
86									
94	00	1 263 092.7	2 429 946.8	1 262 724.0	2 440 073.4	1 262 354.8	2 450 200.0	1 261 985.0	2 460 326.8
102	05	55 787.6	9684.7	55 429.2	2 439 811.3	55 070.2	2 449 937.9	54 710.8	2 460 064.7
110	10	48 482.3	9430.0	48 134.2	9556.5	47 785.5	9683.1	47 436.2	2 459 809.9
118	15	41 176.8	9182.7	40 838.8	9309.2	40 500.4	9435.8	40 161.4	9562.5
	20	33 870.9	8942.7	33 543.2	9069.2	33 215.1	9195.8	32 886.4	9322.5
	25	26 564.9	8710.1	26 247.4	8836.6	25 929.5	8963.1	25 611.1	9089.8
	30	19 258.7	8485.0	18 951.5	8611.4	18 643.8	8737.9	18 335.7	8864.6
	35	11 952.2	8267.2	11 655.3	8393.6	11 357.8	8520.1	11 060.0	8646.7
	40	1 204 645.5	8056.7	1 204 358.8	8183.2	1 204 071.6	8309.6	1 203 784.0	8436.3
	45	1 197 338.5	7853.7	1 197 062.1	7980.1	1 196 785.2	8106.5	1 196 507.9	8233.2
71	50	90 031.4	7658.1	89 765.2	7784.4	89 498.6	7910.9	89 231.5	8037.5
79	55	82 724.1	7469.8	82 468.1	7596.1	82 211.8	7722.5	81 955.0	7849.1
87									
95	00	1 175 416.6	2 427 288.9	1 175 170.9	2 437 415.2	1 174 924.8	2 447 541.6	1 174 678.2	2 457 668.2
103	05	68 108.9	7115.4	67 873.4	7241.7	67 637.5	7368.1	67 401.2	7494.7
111	10	60 801.1	6949.3	60 575.8	7075.6	60 350.2	7201.9	60 124.2	7328.5
119	15	53 493.0	6790.6	53 278.0	6916.8	53 062.6	7043.2	52 846.9	7169.7
	20	46 184.9	6639.2	45 980.1	6765.5	45 775.0	6891.8	45 569.6	7018.3
	25	38 876.5	6495.2	38 682.0	6621.5	38 487.1	6747.8	38 292.0	6874.3
	30	31 568.1	6358.6	31 383.8	6484.9	31 199.2	6611.2	31 014.4	6737.7
	35	24 259.5	6229.4	24 085.4	6355.7	23 911.1	6482.0	23 736.5	6608.4
	40	16 950.8	6107.6	16 786.9	6233.8	16 622.9	6360.1	16 458.6	6486.6
	45	09 641.9	5993.3	09 488.3	6119.4	09 334.5	6245.6	09 180.4	6372.1
72	50	1 102 332.9	5886.1	1 102 189.6	6012.3	1 102 046.1	6138.6	1 101 902.2	6265.0
80	55	1 095 023.8	5786.5	1 094 890.8	5912.6	1 094 757.5	6038.9	1 094 623.9	6165.3
88									
96	00	1 087 714.7	2 425 694.2	1 087 591.9	2 435 820.3	1 087 468.8	2 445 946.6	1 087 345.6	2 456 073.0
104	05	80 405.2	5609.3	80 292.7	5735.4	80 179.9	5861.7	80 066.9	5988.1
112	10	73 095.8	5531.7	72 993.5	5657.9	72 890.9	5784.1	72 788.3	5910.5
120	15	65 786.4	5461.6	65 694.3	5587.7	65 602.0	5714.0	65 509.6	5840.4
	20	58 477.0	5398.8	58 395.1	5525.0	58 313.1	5651.2	58 230.9	5777.6
	25	51 167.6	5343.5	51 095.9	5469.6	51 024.1	5595.8	50 952.3	5722.2
	30	43 858.2	5295.5	43 796.7	5421.6	43 735.2	5547.8	43 673.6	5674.2
	35	36 548.5	5254.9	36 497.3	5381.0	36 446.0	5507.2	36 394.7	5633.6
	40	29 238.8	5221.7	29 197.8	5347.8	29 156.8	5474.0	29 115.7	5600.4
	45	21 929.1	5195.8	21 898.4	5321.9	21 867.6	5448.1	21 836.8	5574.5
73	50	14 619.4	5177.4	14 598.9	5303.5	14 578.4	5429.7	14 557.9	5556.1
81	55	07 309.7	5166.3	07 299.5	5292.4	07 289.2	5418.6	07 278.9	5545.0
89									
97	00	1 000 000.0	2 425 162.6	1 000 000.0	2 435 288.7	1 000 000.0	2 445 414.9	1 000 000.0	2 455 541.3
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 44° 00′.		Lat. 44° 05′.		Lat. 44° 10′.		Lat. 44° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 425 162.6	1 000 000.0	2 435 288.7	1 000 000.0	2 445 414.9	1 000 000.0	2 455 541.3
105	05	992 690.3	5166.3	992 700.5	5292.4	992 710.8	5418.6	992 721.1	5545.0
113	10	85 380.6	5177.4	85 401.1	5303.5	85 421.6	5429.7	85 442.1	5556.1
121	15	78 070.9	5195.8	78 101.6	5321.9	78 132.4	5448.1	78 163.2	5574.5
	20	70 761.2	5221.7	70 802.2	5347.8	70 843.2	5474.0	70 884.3	5600.4
	25	63 451.5	5254.9	63 502.7	5381.0	63 554.0	5507.2	63 605.3	5633.6
	30	56 141.8	5295.5	56 203.3	5421.6	56 264.8	5547.8	56 326.4	5674.2
	35	48 832.4	5343.5	48 904.1	5469.6	48 975.9	5595.8	49 047.7	5722.2
	40	41 523.0	5398.8	41 604.9	5525.0	41 686.9	5651.2	41 769.1	5777.6
	45	34 213.6	5461.6	34 305.7	5587.7	34 398.0	5714.0	34 490.4	5840.4
74	50	26 904.2	5531.7	27 006.5	5657.9	27 109.1	5784.1	27 211.7	5910.5
82	55	19 594.8	5609.3	19 707.3	5735.4	19 820.1	5861.7	19 933.1	5988.1
90									
98	00	912 285.3	2 425 694.2	912 408.1	2 435 820.3	912 531.2	2 445 946.6	912 654.4	2 456 073.0
106	05	904 976.2	5786.5	905 109.2	5912.6	905 242.5	6038.9	905 376.1	6165.3
114	10	897 667.1	5886.1	897 810.4	6012.3	897 953.9	6138.6	898 097.8	6265.0
122	15	90 358.1	5993.3	90 511.7	6119.4	90 665.5	6245.6	90 819.6	6372.1
	20	83 049.2	6107.6	83 213.1	6233.8	83 377.1	6360.1	83 541.4	6486.6
	25	75 740.5	6229.4	75 914.6	6355.7	76 088.9	6482.0	76 263.5	6608.4
	30	68 431.9	6358.6	68 616.2	6484.9	68 800.8	6611.2	68 985.6	6737.7
	35	61 123.5	6495.2	61 318.0	6621.5	61 512.9	6747.8	61 708.0	6874.3
	40	53 815.1	6639.2	54 019.9	6765.5	54 225.0	6891.8	54 430.4	7018.3
	45	46 507.0	6790.6	46 722.0	6916.8	46 937.4	7043.2	47 153.1	7169.7
75	50	39 198.9	6949.3	39 424.2	7075.6	39 649.8	7201.9	39 875.8	7328.5
83	55	31 891.1	7115.4	32 126.6	7241.7	32 362.5	7368.1	32 598.8	7494.7
91									
99	00	824 583.4	2 427 288.9	824 829.1	2 437 415.2	825 075.2	2 447 541.6	825 321.8	2 457 668.2
107	05	17 275.9	7469.8	17 531.9	7596.1	17 788.2	7722.5	18 045.0	7849.1
115	10	09 968.6	7658.1	10 234.8	7784.4	10 501.4	7910.9	10 768.5	8037.5
123	15	802 661.5	7853.7	802 937.9	7980.1	803 214.8	8106.5	803 492.1	8233.2
	20	795 354.5	8056.7	795 641.2	8183.2	795 928.4	8309.6	796 216.0	8436.3
	25	88 047.8	8267.2	88 344.7	8393.6	88 642.2	8520.1	88 940.0	8646.7
	30	80 741.3	8485.0	81 048.5	8611.4	81 356.2	8737.9	81 664.3	8864.6
	35	73 435.1	8710.1	73 752.6	8836.6	74 070.5	8963.1	74 388.9	9089.8
	40	66 129.1	8942.7	66 456.8	9069.2	66 784.9	9195.8	67 113.6	9322.5
	45	58 823.2	9182.7	59 161.2	9309.2	59 499.6	9435.8	59 838.6	9562.5
76	50	51 517.7	9430.0	51 865.8	9556.5	52 214.5	9683.1	52 563.8	2 459 809.9
84	55	44 212.4	9684.7	44 570.8	2 439 811.3	44 929.8	2 449 937.9	45 289.2	2 460 064.7
92									
100	00	736 907.3	2 429 946.8	737 276.0	2 440 073.4	737 645.2	2 450 200.0	738 015.0	2 460 326.8
108	05	29 602.5	2 430 216.3	29 981.4	0342.9	30 360.9	0469.6	30 741.0	0596.4
116	10	22 298.1	0493.2	22 687.1	0619.8	23 076.9	0746.5	23 467.3	0873.3
124	15	14 993.8	0777.4	15 393.2	0904.1	15 793.3	1030.8	16 193.9	1157.7
	20	07 689.9	1069.0	08 099.7	1195.8	08 509.9	1322.5	08 920.8	1449.4
	25	700 386.2	1368.0	700 806.3	1494.8	701 226.8	1621.6	701 647.9	1748.5
	30	693 083.0	1674.4	693 513.2	1801.2	693 943.9	1928.0	694 375.5	2055.0
	35	85 779.9	1988.2	86 220.3	2115.0	86 661.4	2241.9	87 103.3	2368.8
	40	78 477.3	2309.4	78 927.9	2436.2	79 379.3	2563.1	79 831.3	2690.1
	45	71 174.8	2637.9	71 635.8	2764.8	72 097.4	2891.7	72 559.7	3018.7
77	50	63 872.9	2973.9	64 344.0	3100.8	64 815.9	3227.7	65 288.5	3354.7
85	55	56 571.2	3317.2	57 052.6	3444.1	57 534.6	3571.1	58 017.6	3698.1
93									
101	00	649 269.8	2 433 667.9	649 761.5	2 443 794.9	650 253.6	2 453 921.8	650 747.1	2 464 048.9
109	05	41 968.9	4025.9	42 470.7	4153.0	42 973.2	4280.0	43 477.0	4407.1
117	10	34 668.3	4391.4	35 180.4	4518.5	35 693.1	4645.5	36 207.2	4772.7
125	15	27 368.1	4764.3	27 890.4	4891.4	28 413.4	5018.4	28 937.7	5145.6
	20	20 068.2	5144.5	20 600.8	5271.6	21 134.0	5398.7	21 668.7	5526.0
	25	12 768.7	5532.1	13 311.6	5659.3	13 855.2	5786.4	14 400.1	5913.7
	30	605 469.5	2 435 927.1	606 022.8	2 446 054.3	606 576.9	2 456 181.5	607 131.8	2 466 308.8

Grid coordinates for five-minute intersections—Continued.

Long		Lat. 44° 15′.		Lat. 44° 20′.		Lat. 44° 25′.		Lat. 44° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 392 868.2	2 466 308.8	1 392 312.5	2 476 436.2	1 391 756.0	2 486 563.6	1 391 198.7	2 496 691.1
100	35	85 599.9	5913.7	85 054.5	6041.1	84 508.4	6168.5	83 961.3	6295.9
108	40	78 331.3	5526.0	77 796.1	5653.3	77 260.3	5780.7	76 723.6	5908.1
116	45	71 062.3	5145.6	70 537.4	5272.9	70 011.9	5400.3	69 485.5	5527.7
69	50	63 792.8	4772.7	63 278.3	4900.0	62 763.1	5027.3	62 247.1	5154.7
77	55	56 523.0	4407.1	56 018.8	4534.4	55 513.9	4661.7	55 008.2	4789.0
85									
93	00	1 349 252.9	2 464 048.9	1 348 758.9	2 474 176.2	1 348 264.4	2 484 303.5	1 347 769.0	2 494 430.8
101	05	41 982.4	3698.1	41 498.7	3825.4	41 014.5	3952.6	40 529.4	4079.9
109	10	34 711.5	3354.7	34 238.2	3481.9	33 764.2	3609.2	33 289.5	3736.4
117	15	27 440.3	3018.7	26 977.2	3145.9	26 513.6	3273.1	26 049.2	3400.3
	20	20 168.7	2690.1	19 715.9	2817.2	19 262.6	2944.4	18 808.5	3071.6
	25	12 896.7	2368.8	12 454.4	2495.9	12 011.3	2623.1	11 567.6	2750.3
	30	1 305 624.5	2055.0	1 305 192.4	2182.0	1 304 759.7	2309.2	1 304 326.3	2436.4
	35	1 298 352.1	1748.5	1 297 930.2	1875.5	1 297 507.8	2002.7	1 297 084.7	2129.8
	40	91 079.2	1449.4	90 667.7	1576.4	90 255.6	1703.5	89 842.8	1830.7
	45	83 806.1	1157.7	83 404.9	1284.7	83 003.1	1411.8	82 600.6	1538.9
70	50	76 532.7	0873.3	76 141.7	1000.3	75 750.3	1127.4	75 358.1	1254.5
78	55	69 259.0	0596.4	68 878.3	0723.4	68 497.1	0850.4	68 115.4	0977.5
86									
94	00	1 261 985.0	2 460 326.8	1 261 614.7	2 470 453.8	1 261 243.7	2 480 580.8	1 260 872.3	2 490 707.9
102	05	54 710.8	2 460 064.7	54 350.7	2 470 191.6	53 990.0	0318.6	53 628.9	0445.7
110	10	47 436.2	2 459 809.9	47 086.4	2 469 936.8	46 736.1	2 480 063.8	46 385.3	2 490 190.9
118	15	40 161.4	9562.5	39 821.9	9689.4	39 482.0	2 479 816.4	39 141.5	2 489 943.4
	20	32 886.4	9322.5	32 557.2	9449.4	32 227.6	9576.3	31 897.4	9703.3
	25	25 611.1	9089.8	25 292.2	9216.7	24 972.9	9343.6	24 653.0	9470.7
	30	18 335.7	8864.6	18 027.1	8991.4	17 718.0	9118.4	17 408.4	9245.4
	35	11 060.0	8646.7	10 761.7	8773.6	10 462.9	8900.5	10 163.6	9027.5
	40	1 203 784.0	8436.3	1 203 495.9	8563.1	1 203 207.5	8690.0	1 202 918.6	8816.9
	45	1 196 507.9	8233.2	1 196 230.1	8360.0	1 195 952.0	8486.8	1 195 673.5	8613.8
71	50	89 231.5	8037.5	88 964.1	8164.2	88 696.2	8291.1	88 428.1	8418.1
79	55	81 955.0	7849.1	81 697.8	7975.9	81 440.3	8102.8	81 182.4	8229.7
87									
95	00	1 174 678.2	2 457 668.2	1 174 431.4	2 467 795.0	1 174 184.2	2 477 921.8	1 173 936.6	2 488 048.7
103	05	67 401.2	7494.7	67 164.7	7621.4	66 927.8	7748.2	66 690.5	7875.1
111	10	60 124.2	7328.5	59 898.0	7455.2	59 671.4	7582.0	59 444.4	7708.9
119	15	52 846.9	7169.7	52 631.0	7296.4	52 414.7	7423.2	52 198.0	7550.1
	20	45 569.6	7018.3	45 363.9	7145.0	45 157.9	7271.8	44 951.6	7398.7
	25	38 292.0	6874.3	38 096.6	7001.0	37 900.9	7127.8	37 704.9	7254.7
	30	31 014.4	6737.7	30 829.2	6864.4	30 643.8	6991.1	30 458.1	7118.0
	35	23 736.5	6608.4	23 561.6	6735.1	23 386.5	6861.9	23 211.1	6988.8
	40	16 458.6	6486.6	16 294.0	6613.3	16 129.2	6740.0	15 964.1	6866.9
	45	09 180.4	6372.1	09 026.2	6498.8	08 871.7	6625.5	08 716.9	6752.4
72	50	1 101 902.2	6265.0	1 101 758.3	6391.7	1 101 614.1	6518.4	1 101 469.6	6645.3
80	55	1 094 623.9	6165.3	1 094 490.3	6292.0	1 094 356.3	6418.7	1 094 222.2	6545.6
88									
96	00	1 087 345.6	2 456 073.0	1 087 222.2	2 466 199.7	1 087 098.5	2 476 326.4	1 086 974.8	2 486 453.2
104	05	80 066.9	5988.1	79 953.8	6114.7	79 840.4	6241.5	79 727.0	6368.3
112	10	72 788.3	5910.5	72 685.4	6037.2	72 582.4	6163.9	72 479.3	6290.7
120	15	65 509.6	5840.4	65 417.0	5967.0	65 324.3	6093.7	65 231.5	6220.5
	20	58 230.9	5777.6	58 148.7	5904.2	58 066.2	6030.9	57 983.7	6157.8
	25	50 952.3	5722.2	50 880.3	5848.8	50 808.2	5975.6	50 736.0	6102.4
	30	43 673.6	5674.2	43 611.9	5800.8	43 550.1	5927.5	43 488.2	6054.3
	35	36 394.7	5633.6	36 343.3	5760.2	36 291.8	5886.9	36 240.2	6013.7
	40	29 115.7	5600.4	29 074.6	5727.0	29 033.4	5853.7	28 992.1	5980.5
	45	21 836.8	5574.5	21 806.0	5701.1	21 775.1	5827.8	21 744.1	5954.6
73	50	14 557.9	5556.1	14 537.3	5682.7	14 516.7	5809.4	14 496.1	5936.2
81	55	07 278.9	5545.0	07 268.7	5671.6	07 258.4	5798.3	07 248.0	5925.1
89									
97	00	1 000 000.0	2 455 541.3	1 000 000.0	2 465 667.9	1 000 000.0	2 475 794.6	1 000 000.0	2 485 921.4
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 44° 15′.		Lat. 44° 20′.		Lat. 44° 25′.		Lat. 44° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 455 541.3	1 000 000.0	2 465 667.9	1 000 000.0	2 475 794.6	1 000 000.0	2 485 921.4
105	05	992 721.1	5545.0	992 731.3	5671.6	992 741.6	5798.3	992 752.0	5925.1
113	10	85 442.1	5556.1	85 462.7	5682.7	85 483.3	5809.4	85 503.9	5936.2
121	15	78 163.2	5574.5	78 194.0	5701.1	78 224.9	5827.8	78 255.9	5954.6
	20	70 884.3	5600.4	70 925.4	5727.0	70 966.6	5853.7	71 007.9	5980.5
	25	63 605.3	5633.6	63 656.7	5760.2	63 708.2	5886.9	63 759.8	6013.7
	30	56 326.4	5674.2	56 388.1	5800.8	56 449.9	5927.5	56 511.8	6054.3
	35	49 047.7	5722.2	49 119.7	5848.8	49 191.8	5975.6	49 264.0	6102.4
	40	41 769.1	5777.6	41 851.3	5904.2	41 933.8	6030.9	42 016.3	6157.8
	45	34 490.4	5840.4	34 583.0	5967.0	34 675.7	6093.7	34 768.5	6220.5
74	50	27 211.7	5910.5	27 314.6	6037.2	27 417.6	6163.9	27 520.7	6290.7
82	55	19 933.1	5988.1	20 046.2	6114.7	20 159.6	6241.5	20 273.0	6368.3
90									
98	00	912 654.4	2 456 073.0	912 777.8	2 466 199.7	912 901.5	2 476 326.4	913 025.2	2 486 453.2
106	05	905 376.1	6165.3	905 509.7	6292.0	905 643.7	6418.7	905 777.8	6545.6
114	10	898 097.8	6265.0	898 241.7	6391.7	898 385.9	6518.4	898 530.4	6645.3
122	15	90 819.6	6372.1	90 973.8	6498.8	91 128.3	6625.5	91 283.1	6752.4
	20	83 541.4	6486.6	83 706.0	6613.3	83 870.8	6740.0	84 035.9	6866.9
	25	76 263.5	6608.4	76 438.4	6735.1	76 613.5	6861.9	76 788.9	6988.8
	30	68 985.6	6737.7	69 170.8	6864.4	69 356.2	6991.1	69 541.9	7118.0
	35	61 708.0	6874.3	61 903.4	7001.0	62 099.1	7127.8	62 295.1	7254.7
	40	54 430.4	7018.3	54 636.1	7145.0	54 842.1	7271.8	55 048.4	7398.7
	45	47 153.1	7169.7	47 369.0	7296.4	47 585.3	7423.2	47 802.0	7550.1
75	50	39 875.8	7328.5	40 102.0	7455.2	40 328.6	7582.0	40 555.6	7708.9
83	55	32 598.8	7494.7	32 835.3	7621.4	33 072.2	7748.2	33 309.5	7875.1
91									
99	00	825 321.8	2 457 668.2	825 568.6	2 467 795.0	825 815.8	2 477 921.8	826 063.4	2 488 048.7
107	05	18 045.0	7849.1	18 302.2	7975.9	18 559.7	8102.8	18 817.6	8229.7
115	10	10 768.5	8037.5	11 035.9	8164.2	11 303.8	8291.1	11 571.9	8418.1
123	15	803 492.1	8233.2	803 769.9	8360.0	804 048.0	8486.8	804 326.5	8613.8
	20	796 216.0	8436.3	796 504.1	8563.1	796 792.5	8690.0	797 081.4	8816.9
	25	88 940.0	8646.7	89 238.3	8773.6	89 537.1	8900.5	89 836.4	9027.5
	30	81 664.3	8864.6	81 972.9	8991.4	82 282.0	9118.4	82 591.6	9245.4
	35	74 388.9	9089.8	74 707.8	9216.7	75 027.1	9343.6	75 347.0	9470.7
	40	67 113.6	9322.5	67 442.8	9449.4	67 772.4	9576.3	68 102.6	9703.3
	45	59 838.6	9562.5	60 178.1	9689.4	60 518.0	2 479 816.4	60 858.5	2 489 943.4
76	50	52 563.8	2 459 809.9	52 913.6	2 469 936.8	53 263.9	2 480 063.8	53 614.7	2 490 190.9
84	55	45 289.2	2 460 064.7	45 649.3	2 470 191.6	46 010.0	0318.6	46 371.1	0445.7
92									
100	00	738 015.0	2 460 326.8	738 385.3	2 470 453.8	738 756.3	2 480 580.8	739 127.7	2 490 707.9
108	05	30 741.0	0596.4	31 121.7	0723.4	31 502.9	0850.4	31 884.6	0977.5
116	10	23 467.3	0873.3	23 858.3	1000.3	24 249.7	1127.4	24 641.9	1254.5
124	15	16 193.9	1157.7	16 595.1	1284.7	16 996.9	1411.8	17 399.4	1538.9
	20	08 920.8	1449.4	09 332.3	1576.4	09 744.4	1703.5	10 157.2	1830.7
	25	701 647.9	1748.5	702 069.8	1875.5	702 492.2	2002.7	702 915.3	2129.8
	30	694 375.5	2055.0	694 807.6	2182.0	695 240.3	2309.2	695 673.7	2436.4
	35	87 103.3	2368.8	87 545.6	2495.9	87 988.7	2623.1	88 432.4	2750.3
	40	79 831.3	2690.1	80 284.1	2817.2	80 737.4	2944.4	81 191.5	3071.6
	45	72 559.7	3018.7	73 022.8	3145.9	73 486.4	3273.1	73 950.8	3400.3
77	50	65 288.5	3354.7	65 761.8	3481.9	66 235.8	3609.2	66 710.5	3736.4
85	55	58 017.6	3698.1	58 501.3	3825.4	58 985.5	3952.6	59 470.6	4079.9
93									
101	00	650 747.1	2 464 048.9	651 241.1	2 474 176.2	651 735.6	2 484 303.5	652 231.0	2 494 430.8
109	05	43 477.0	4407.1	43 981.2	4534.4	44 486.1	4661.7	44 991.8	4789.0
117	10	36 207.2	4772.7	36 721.7	4900.0	37 236.9	5027.3	37 752.9	5154.7
125	15	28 937.7	5145.6	29 462.6	5272.9	29 988.1	5400.3	30 514.5	5527.7
	20	21 668.7	5526.0	22 203.9	5653.3	22 739.7	5780.7	23 276.4	5908.1
	25	14 400.1	5913.7	14 945.5	6041.1	15 491.6	6168.5	16 038.7	6295.9
	30	607 131.8	2 466 308.8	607 687.5	2 476 436.2	608 244.0	2 486 563.6	608 801.3	2 496 691.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 44° 30′.		Lat. 44° 35′.		Lat. 44° 40′.		Lat. 44° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 391 198.7	2 496 691.1	1 390 640.5	2 506 818.6	1 390 081.4	2 516 946.1	1 389 521.4	2 527 073.8
100	35	83 961.3	6295.9	83 413.5	6423.4	82 864.9	6550.9	82 315.3	6678.6
108	40	76 723.6	5908.1	76 186.2	6035.6	75 647.8	6163.1	75 108.6	6290.8
116	45	69 485.5	5527.7	68 958.4	5655.2	68 430.4	5782.6	67 901.6	5910.3
69	50	62 247.1	5154.7	61 730.3	5282.1	61 212.7	5409.6	60 694.2	5537.2
77	55	55 008.2	4789.0	54 501.8	4916.5	53 994.5	5043.9	53 486.5	5171.6
85									
93	00	1 347 769.0	2 494 430.8	1 347 272.9	2 504 558.2	1 346 776.0	2 514 685.6	1 346 278.4	2 524 813.3
101	05	40 529.4	4079.9	40 043.6	4207.3	39 557.1	4334.7	39 069.8	4462.3
109	10	33 289.5	3736.4	32 814.0	3863.8	32 337.9	3991.2	31 860.9	4118.8
117	15	26 049.2	3400.3	25 584.1	3527.7	25 118.3	3655.1	24 651.7	3782.7
	20	18 808.5	3071.6	18 353.8	3199.0	17 898.3	3326.4	17 442.1	3453.9
	25	11 567.6	2750.3	11 123.1	2877.7	10 678.0	3005.0	10 232.3	3132.6
	30	1 304 326.3	2436.4	1 303 892.2	2563.7	1 303 457.5	2691.1	1 303 022.1	2818.6
	35	1 297 084.7	2129.8	1 296 661.0	2257.2	1 296 236.7	2384.5	1 295 811.6	2512.0
	40	89 842.8	1830.7	89 429.4	1958.0	89 015.4	2085.3	88 600.8	2212.8
	45	82 600.6	1538.9	82 197.6	1666.2	81 793.9	1793.5	81 389.6	1921.0
70	50	75 358.1	1254.5	74 965.4	1381.8	74 572.2	1509.1	74 178.2	1636.6
78	55	68 115.4	0977.5	67 733.0	1104.8	67 350.1	1232.1	66 966.5	1359.6
86									
94	00	1 260 872.3	2 490 707.9	1 260 500.3	2 500 835.2	1 260 127.7	2 510 962.4	1 259 754.5	2 521 089.9
102	05	53 628.9	0445.7	53 267.3	0572.9	52 905.1	0700.2	52 542.2	0827.7
110	10	46 385.3	2 490 190.9	46 034.0	0318.1	45 682.1	0445.3	45 329.7	0572.8
118	15	39 141.5	2 489 943.4	38 800.5	2 500 070.6	38 458.9	2 510 197.9	38 116.9	0325.3
	20	31 897.4	9703.3	31 566.7	2 499 830.5	31 235.5	2 509 957.8	30 903.8	2 520 085.2
	25	24 653.0	9470.7	24 332.6	9597.8	24 011.9	9725.1	23 690.6	2 519 852.5
	30	17 408.4	9245.4	17 098.4	9372.5	16 788.1	9499.8	16 477.1	9627.2
	35	10 163.6	9027.5	09 864.0	9154.6	09 563.9	9281.8	09 263.3	9409.3
	40	1 202 918.6	8816.9	1 202 629.3	8944.1	1 202 339.6	9071.3	1 202 049.3	9198.7
	45	1 195 673.5	8613.8	1 195 394.4	8741.0	1 195 115.0	8868.2	1 194 835.2	8995.6
71	50	88 428.1	8418.1	88 159.4	8545.2	87 890.3	8672.4	87 620.8	8799.8
79	55	81 182.4	8229.7	80 924.1	8356.8	80 665.4	8484.0	80 406.2	8611.4
87									
95	00	1 173 936.6	2 488 048.7	1 173 688.6	2 498 175.8	1 173 440.2	2 508 303.0	1 173 191.4	2 518 430.4
103	05	66 690.5	7875.1	66 452.9	8002.3	66 214.8	8129.4	65 976.4	8256.8
111	10	59 444.4	7708.9	59 217.1	7836.0	58 989.4	7963.2	58 761.4	8090.6
119	15	52 198.0	7550.1	51 981.0	7677.2	51 763.6	7804.4	51 546.1	7931.7
	20	44 951.6	7398.7	44 744.9	7525.8	44 537.9	7652.9	44 330.7	7780.3
	25	37 704.9	7254.7	37 508.5	7381.7	37 311.9	7508.9	37 115.0	7636.2
	30	30 458.1	7118.0	30 272.1	7245.1	30 085.9	7372.2	29 899.3	7499.6
	35	23 211.1	6988.8	23 035.5	7115.8	22 859.6	7243.0	22 683.3	7370.3
	40	15 964.1	6866.9	15 798.8	6993.9	15 633.2	7121.1	15 467.4	7248.4
	45	08 716.9	6752.4	08 561.9	6879.4	08 406.7	7006.6	08 251.2	7133.9
72	50	1 101 469.6	6645.3	1 101 325.0	6772.3	1 101 180.2	6899.4	1 101 035.1	7026.8
80	55	1 094 222.2	6545.6	1 094 087.9	6672.6	1 093 953.4	6799.7	1 093 818.7	6927.0
88									
96	00	1 086 974.8	2 486 453.2	1 086 850.8	2 496 580.3	1 086 726.6	2 506 707.4	1 086 602.3	2 516 834.7
104	05	79 727.0	6368.3	79 613.4	6495.3	79 499.5	6622.4	79 385.6	6749.7
112	10	72 479.3	6290.7	72 375.9	6417.7	72 272.4	6544.9	72 168.8	6672.2
120	15	65 231.5	6220.5	65 138.5	6347.6	65 045.4	6474.7	64 952.1	6602.0
	20	57 983.7	6157.8	57 901.1	6284.8	57 818.3	6411.9	57 735.4	6539.2
	25	50 736.0	6102.4	50 663.6	6229.4	50 591.2	6356.5	50 518.6	6483.8
	30	43 488.2	6054.3	43 426.2	6181.4	43 364.1	6308.5	43 301.9	6435.8
	35	36 240.2	6013.7	36 188.5	6140.7	36 136.8	6267.8	36 084.9	6395.1
	40	28 992.1	5980.5	28 950.8	6107.5	28 909.4	6234.6	28 867.9	6361.9
	45	21 744.1	5954.6	21 713.1	6081.6	21 682.1	6208.7	21 650.9	6336.0
73	50	14 496.1	5936.2	14 475.4	6063.2	14 454.7	6190.3	14 434.0	6317.6
81	55	07 248.0	5925.1	07 237.7	6052.1	07 227.4	6179.2	07 217.0	6306.5
89									
97	00	1 000 000.0	2 485 921.4	1 000 000.0	2 496 048.4	1 000 000.0	2 506 175.5	1 000 000.0	2 516 302.8
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 44° 30′.		Lat. 44° 35′.		Lat. 44° 40′.		Lat. 44° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
73								
81								
89								
97 00	1 000 000.0	2 485 921.4	1 000 000.0	2 496 048.4	1 000 000.0	2 506 175.5	1 000 000.0	2 516 302.8
105 05	992 752.0	5925.1	992 762.3	6052.1	992 772.6	6179.2	992 783.0	6306.5
113 10	85 503.9	5936.2	85 524.6	6063.2	85 545.3	6190.3	85 566.0	6317.6
121 15	78 255.9	5954.6	78 286.9	6081.6	78 317.9	6208.7	78 349.1	6336.0
20	71 007.9	5980.5	71 049.2	6107.5	71 090.6	6234.6	71 132.1	6361.9
25	63 759.8	6013.7	63 811.5	6140.7	63 863.2	6267.8	63 915.1	6395.1
30	56 511.8	6054.3	56 573.8	6181.4	56 635.9	6308.5	56 698.1	6435.8
35	49 264.0	6102.4	49 336.4	6229.4	49 408.8	6356.5	49 481.4	6483.8
40	42 016.3	6157.8	42 098.9	6284.8	42 181.7	6411.9	42 264.6	6539.2
45	34 768.5	6220.5	34 861.5	6347.6	34 954.6	6474.7	35 047.9	6602.0
74 50	27 520.7	6290.7	27 624.1	6417.7	27 727.6	6544.9	27 831.2	6672.2
82 55	20 273.0	6368.3	20 386.6	6495.3	20 500.5	6622.4	20 614.4	6749.7
90								
98 00	913 025.2	2 486 453.2	913 149.2	2 496 580.3	913 273.4	2 506 707.4	913 397.7	2 516 834.7
106 05	905 777.8	6545.6	905 912.1	6672.6	906 046.6	6799.7	906 181.3	6927.0
114 10	898 530.4	6645.3	898 675.0	6772.3	898 819.8	6899.4	898 964.9	7026.8
122 15	91 283.1	6752.4	91 438.1	6879.4	91 593.3	7006.6	91 748.8	7133.9
20	84 035.9	6866.9	84 201.2	6993.9	84 366.8	7121.1	84 532.6	7248.4
25	76 788.9	6988.8	76 964.5	7115.8	77 140.4	7243.0	77 316.7	7370.3
30	69 541.9	7118.0	69 727.9	7245.1	69 914.1	7372.2	70 100.7	7499.6
35	62 295.1	7254.7	62 491.5	7381.7	62 688.1	7508.9	62 885.0	7636.2
40	55 048.4	7398.7	55 255.1	7525.8	55 462.1	7652.9	55 669.3	7780.3
45	47 802.0	7550.1	48 019.0	7677.2	48 236.4	7804.4	48 453.9	7931.7
75 50	40 555.6	7708.9	40 782.9	7836.0	41 010.6	7963.2	41 238.6	8090.6
83 55	33 309.5	7875.1	33 547.1	8002.3	33 785.2	8129.4	34 023.6	8256.8
91								
99 00	826 063.4	2 488 048.7	826 311.4	2 498 175.8	826 559.8	2 508 303.0	826 808.6	2 518 430.4
107 05	18 817.6	8229.7	19 075.9	8356.8	19 334.6	8484.0	19 593.8	8611.4
115 10	11 571.9	8418.1	11 840.6	8545.2	12 109.7	8672.4	12 379.2	8799.8
123 15	804 326.5	8613.8	804 605.6	8741.0	804 885.0	8868.2	805 164.8	8995.6
20	797 081.4	8816.9	797 370.7	8944.1	797 660.4	9071.3	797 950.7	9198.7
25	89 836.4	9027.5	90 136.0	9154.6	90 436.1	9281.8	90 736.7	9409.3
30	82 591.6	9245.4	82 901.6	9372.5	83 211.9	9499.8	83 522.9	9627.2
35	75 347.0	9470.7	75 667.4	9597.8	75 988.1	9725.1	76 309.4	2 519 852.5
40	68 102.6	9703.3	68 433.3	2 499 830.5	68 764.5	2 509 957.8	69 096.2	2 520 085.2
45	60 858.5	2 489 943.4	61 199.5	2 500 070.6	61 541.1	2 510 197.9	61 883.1	0325.3
76 50	53 614.7	2 490 190.9	53 966.0	0318.1	54 317.9	0445.3	54 670.3	0572.8
84 55	46 371.1	0445.7	46 732.7	0572.9	47 094.9	0700.2	47 457.8	0827.7
92								
100 00	739 127.7	2 490 707.9	739 499.7	2 500 835.2	739 872.3	2 510 962.4	740 245.5	2 521 089.9
108 05	31 884.6	0977.5	32 267.0	1104.8	32 649.9	1232.1	33 033.5	1359.6
116 10	24 641.9	1254.5	25 034.6	1381.8	25 427.8	1509.1	25 821.8	1636.6
124 15	17 399.4	1538.9	17 802.4	1666.2	18 206.1	1793.5	18 610.4	1921.0
20	10 157.2	1830.7	10 570.6	1958.0	10 984.6	2085.3	11 399.2	2212.8
25	702 915.3	2129.8	703 339.0	2257.2	703 763.3	2384.5	704 188.4	2512.0
30	695 673.7	2436.4	696 107.8	2563.7	696 542.5	2691.1	696 977.9	2818.6
35	88 432.4	2750.3	88 876.9	2877.7	89 322.0	3005.0	89 767.7	3132.6
40	81 191.5	3071.6	81 646.2	3199.0	82 101.7	3326.4	82 557.9	3453.9
45	73 950.8	3400.3	74 415.9	3527.7	74 881.7	3655.1	75 348.3	3782.7
77 50	66 710.5	3736.4	67 186.0	3863.8	67 662.1	3991.2	68 139.1	4118.8
85 55	59 470.6	4079.9	59 956.4	4207.3	60 442.9	4334.7	60 930.2	4462.3
93								
101 00	652 231.0	2 494 430.8	652 727.1	2 504 558.2	653 224.0	2 514 685.6	653 721.6	2 524 813.3
109 05	44 991.8	4789.0	45 498.2	4916.5	46 005.5	5043.9	46 513.5	5171.6
117 10	37 752.9	5154.7	38 269.7	5282.1	38 787.3	5409.6	39 305.8	5537.2
125 15	30 514.5	5527.7	31 041.6	5655.2	31 569.6	5782.6	32 098.4	5910.3
20	23 276.4	5908.1	23 813.8	6035.6	24 352.2	6163.1	24 891.4	6290.8
25	16 038.7	6295.9	16 586.5	6423.4	17 135.1	6550.9	17 684.7	6678.6
30	608 801.3	2 496 691.1	609 359.5	2 506 818.6	609 918.6	2 516 946.1	610 478.6	2 527 073.8

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 44° 45′.		Lat. 44° 50′.		Lat. 44° 55′.		Lat. 45° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 389 521.4	2 527 073.8	1 388 960.8	2 537 201.6	1 388 399.3	2 547 329.3	1 387 837.0	2 557 457.3
100 35	82 315.3	6678.6	81 765.0	6806.3	81 213.8	6934.0	80 662.0	7062.1
108 40	75 108.6	6290.8	74 568.7	6418.5	74 028.0	6546.1	73 486.6	6674.2
116 45	67 901.6	5910.3	67 372.2	6038.0	66 841.8	6165.7	66 310.8	6293.7
69 50	60 694.2	5537.2	60 175.2	5664.9	59 655.2	5792.6	59 134.6	5920.6
77 55	53 486.5	5171.6	52 977.8	5299.3	52 468.3	5426.9	51 958.1	5554.9
85								
93 00	1 346 278.4	2 524 813.3	1 345 780.0	2 534 940.9	1 345 281.0	2 545 068.6	1 344 781.2	2 555 196.6
101 05	39 069.8	4462.3	38 581.9	4590.0	38 093.2	4717.7	37 603.9	4845.7
109 10	31 860.9	4118.8	31 383.4	4246.5	30 905.1	4374.1	30 426.3	4502.2
117 15	24 651.7	3782.7	24 184.6	3910.4	23 716.7	4038.0	23 248.3	4166.0
20	17 442.1	3453.9	16 985.4	3581.6	16 527.9	3709.2	16 069.9	3837.3
25	10 232.3	3132.6	09 785.9	3260.2	09 338.9	3387.8	08 891.2	3515.9
30	1 303 022.1	2818.6	1 302 586.1	2946.3	1 302 149.5	3073.9	1 301 712.2	3201.9
35	1 295 811.6	2512.0	1 295 386.0	2639.7	1 294 959.8	2767.3	1 294 532.9	2895.3
40	88 600.8	2212.8	88 185.6	2340.5	87 769.7	2468.1	87 353.3	2596.1
45	81 389.6	1921.0	80 984.8	2048.7	80 579.3	2176.2	80 173.4	2304.3
70 50	74 178.2	1636.6	73 783.8	1764.2	73 388.7	1891.8	72 993.2	2019.8
78 55	66 966.5	1359.6	66 582.5	1487.2	66 197.8	1614.8	65 812.7	1742.8
86								
94 00	1 259 754.5	2 521 089.9	1 259 380.8	2 531 217.5	1 259 006.6	2 541 345.1	1 258 631.9	2 551 473.1
102 05	52 542.2	0827.7	52 178.9	0955.3	51 815.1	1082.8	51 450.8	1210.9
110 10	45 329.7	0572.8	44 976.8	0700.4	44 623.3	0828.0	44 269.5	0956.0
118 15	38 116.9	0325.3	37 774.4	0452.9	37 431.3	0580.5	37 087.9	0708.5
20	30 903.8	2 520 085.2	30 571.7	2 530 212.8	30 239.0	0340.4	29 906.0	0468.4
25	23 690.6	2 519 852.5	23 368.8	2 529 980.1	23 046.5	2 540 107.6	22 723.9	0235.7
30	16 477.1	9627.2	16 165.7	9754.8	15 853.8	2 539 882.3	15 541.6	2 550 010.3
35	09 263.3	9409.3	08 962.4	9536.8	08 660.9	9664.4	08 359.1	2 549 792.4
40	1 202 049.3	9198.7	1 201 758.8	9326.3	1 201 467.7	9453.8	1 201 176.3	9581.8
45	1 194 835.2	8995.6	1 194 554.9	9123.1	1 194 274.3	9250.7	1 193 993.3	9378.7
71 50	87 620.8	8799.8	87 350.9	8927.3	87 080.7	9054.9	86 810.1	9182.9
79 55	80 406.2	8611.4	80 146.8	8739.0	79 886.9	8866.5	79 626.7	8994.5
87								
95 00	1 173 191.4	2 518 430.4	1 172 942.3	2 528 558.0	1 172 692.9	2 538 685.5	1 172 443.1	2 548 813.5
103 05	65 976.4	8256.8	65 737.7	8384.3	65 498.7	8511.9	65 259.3	8639.9
111 10	58 761.4	8090.6	58 533.0	8218.1	58 304.4	8345.6	58 075.4	8473.7
119 15	51 546.1	7931.7	51 328.1	8059.3	51 109.8	8186.8	50 891.3	8314.8
20	44 330.7	7780.3	44 123.1	7907.8	43 915.2	8035.4	43 707.1	8163.4
25	37 115.0	7636.2	36 917.8	7763.8	36 720.3	7891.3	36 522.6	8019.3
30	29 899.3	7499.6	29 712.5	7627.1	29 525.4	7754.6	29 338.1	7882.6
35	22 683.3	7370.3	22 507.0	7497.8	22 330.3	7625.3	22 153.4	7753.3
40	15 467.4	7248.4	15 301.4	7375.9	15 135.1	7503.4	14 968.6	7631.4
45	08 251.2	7133.9	08 095.7	7261.4	07 939.7	7388.9	07 783.6	7516.9
72 50	1 101 035.1	7026.8	1 100 889.9	7154.3	1 100 744.3	7281.8	1 100 598.6	7409.8
80 55	1 093 818.7	6927.0	1 093 683.8	7054.6	1 093 548.7	7182.1	1 093 413.4	7310.1
88								
96 00	1 086 602.3	2 516 834.7	1 086 477.7	2 526 962.2	1 086 353.0	2 537 089.7	1 086 228.1	2 547 217.7
104 05	79 385.6	6749.7	79 271.3	6877.2	79 157.0	7004.8	79 042.6	7132.8
112 10	72 168.8	6672.2	72 065.0	6799.7	71 961.1	6927.2	71 857.0	7055.2
120 15	64 952.1	6602.0	64 858.7	6729.5	64 765.1	6857.0	64 671.5	6985.0
20	57 735.4	6539.2	57 652.4	6666.7	57 569.2	6794.2	57 486.0	6922.2
25	50 518.6	6483.8	50 446.0	6611.3	50 373.2	6738.8	50 300.4	6866.8
30	43 301.9	6435.8	43 239.7	6563.3	43 177.3	6690.8	43 114.9	6818.8
35	36 084.9	6395.1	36 033.1	6522.6	35 981.1	6650.1	35 929.1	6778.1
40	28 867.9	6361.9	28 826.5	6489.4	28 784.8	6616.9	28 743.3	6744.9
45	21 650.9	6336.0	21 619.8	6463.5	21 588.6	6591.0	21 557.4	6719.0
73 50	14 434.0	6317.6	14 413.2	6445.1	14 392.4	6572.6	14 371.6	6700.6
81 55	07 217.0	6306.5	07 206.6	6434.0	07 196.2	6561.5	07 185.8	6689.5
89								
97 00	1 000 000.0	2 516 302.8	1 000 000.0	2 526 430.3	1 000 000.0	2 536 557.8	1 000 000.0	2 546 685.8
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 44° 45′.		Lat. 44° 50′.		Lat. 44° 55′.		Lat. 45° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	2 516 302.8	1 000 000.0	2 526 430.3	1 000 000.0	2 536 557.8	1 000 000.0	2 546 685.8
105 05	992 783.0	6306.5	992 793.4	6434.0	992 803.8	6561.5	992 814.2	6689.5
113 10	85 566.0	6317.6	85 586.8	6445.1	85 607.6	6572.6	85 628.4	6700.6
121 15	78 349.1	6336.0	78 380.2	6463.5	78 411.4	6591.0	78 442.6	6719.0
20	71 132.1	6361.9	71 173.5	6489.4	71 215.2	6616.9	71 256.7	6744.9
25	63 915.1	6395.1	63 966.9	6522.6	64 018.9	6650.1	64 070.9	6778.1
30	56 698.1	6435.8	56 760.3	6563.3	56 822.7	6690.8	56 885.1	6818.8
35	49 481.4	6483.8	49 554.0	6611.3	49 626.8	6738.8	49 699.6	6866.8
40	42 264.6	6539.2	42 347.6	6666.7	42 430.8	6794.2	42 514.0	6922.2
45	35 047.9	6602.0	35 141.3	6729.5	35 234.9	6857.0	35 328.5	6985.0
74 50	27 831.2	6672.2	27 935.0	6799.7	28 038.9	6927.2	28 143.0	7055.2
82 55	20 614.4	6749.7	20 728.7	6877.2	20 843.0	7004.8	20 957.4	7132.8
90								
98 00	913 397.7	2 516 834.7	913 522.3	2 526 962.2	913 647.0	2 537 089.7	913 771.9	2 547 217.7
106 05	906 181.3	6927.0	906 316.2	7054.6	906 451.3	7182.1	906 586.6	7310.1
114 10	898 964.9	7026.8	899 110.1	7154.3	899 255.7	7281.8	899 401.4	7409.8
122 15	91 748.8	7133.9	91 904.3	7261.4	92 060.3	7388.9	92 216.4	7516.9
20	84 532.6	7248.4	84 698.6	7375.9	84 864.9	7503.4	85 031.4	7631.4
25	77 316.7	7370.3	77 493.0	7497.8	77 669.7	7625.3	77 846.6	7753.3
30	70 100.7	7499.6	70 287.5	7627.1	70 474.6	7754.6	70 661.9	7882.6
35	62 885.0	7636.2	63 082.2	7763.8	63 279.7	7891.3	63 477.4	8019.3
40	55 669.3	7780.3	55 876.9	7907.8	56 084.8	8035.4	56 292.9	8163.4
45	48 453.9	7931.7	48 671.9	8059.3	48 890.2	8186.8	49 108.7	8314.8
75 50	41 238.6	8090.6	41 467.0	8218.1	41 695.6	8345.6	41 924.6	8473.7
83 55	34 023.6	8256.8	34 262.3	8384.3	34 501.3	8511.9	34 740.7	8639.9
91								
99 00	826 808.6	2 518 430.4	827 057.7	2 528 558.0	827 307.1	2 538 685.5	827 556.9	2 548 813.5
107 05	19 593.8	8611.4	19 853.2	8739.0	20 113.1	8866.5	20 373.3	8994.5
115 10	12 379.2	8799.8	12 649.1	8927.3	12 919.3	9054.9	13 189.9	9182.9
123 15	805 164.8	8995.6	805 445.1	9123.1	805 725.7	9250.7	806 006.7	9378.7
20	797 950.7	9198.7	798 241.2	9326.3	798 532.3	9453.8	798 823.7	9581.8
25	90 736.7	9409.3	91 037.6	9536.8	91 339.1	9664.4	91 640.9	2 549 792.4
30	83 522.9	9627.2	83 834.3	9754.8	84 146.2	2 539 882.3	84 458.4	2 550 010.3
35	76 309.4	2 519 852.5	76 631.2	2 529 980.1	76 953.5	2 540 107.6	77 276.1	0235.7
40	69 096.2	2 520 085.2	69 428.3	2 530 212.8	69 761.0	0340.4	70 094.0	0468.4
45	61 883.1	0325.3	62 225.6	0452.9	62 568.7	0580.5	62 912.1	0708.5
76 50	54 670.3	0572.8	55 023.2	0700.4	55 376.7	0828.0	55 730.5	0956.0
84 55	47 457.8	0827.7	47 821.1	0955.3	48 184.9	1082.8	48 549.2	1210.9
92								
100 00	740 245.5	2 521 089.9	740 619.2	2 531 217.5	740 993.4	2 541 345.1	741 368.1	2 551 473.1
108 05	33 033.5	1359.6	33 417.5	1487.2	33 802.2	1614.8	34 187.3	1742.8
116 10	25 821.8	1636.6	26 216.2	1764.2	26 611.3	1891.8	27 006.8	2019.8
124 15	18 610.4	1921.0	19 015.2	2048.7	19 420.7	2176.2	19 826.6	2304.3
20	11 399.2	2212.8	11 814.4	2340.5	12 230.3	2468.1	12 646.7	2596.1
25	704 188.4	2512.0	704 614.0	2639.7	705 040.2	2767.3	705 467.1	2895.3
30	696 977.9	2818.6	697 413.9	2946.3	697 850.5	3073.9	698 287.8	3201.9
35	89 767.7	3132.6	90 214.1	3260.2	90 661.1	3387.8	91 108.8	3515.9
40	82 557.9	3453.9	83 014.6	3581.6	83 472.1	3709.2	83 930.1	3837.3
45	75 348.3	3782.7	75 815.4	3910.4	76 283.3	4038.0	76 751.7	4166.0
77 50	68 139.1	4118.8	68 616.6	4246.5	69 094.9	4374.1	69 573.7	4502.2
85 55	60 930.2	4462.3	61 418.1	4590.0	61 906.8	4717.7	62 396.1	4845.7
93								
101 00	653 721.6	2 524 813.3	654 220.0	2 534 940.9	654 719.0	2 545 068.6	655 218.8	2 555 196.6
109 05	46 513.5	5171.6	47 022.2	5299.3	47 531.7	5426.9	48 041.9	5554.9
117 10	39 305.8	5537.2	39 824.8	5664.9	40 344.8	5792.6	40 865.4	5920.6
125 15	32 098.4	5910.3	32 627.8	6038.0	33 158.2	6165.7	33 689.2	6293.7
20	24 891.4	6290.8	25 431.3	6418.5	25 972.0	6546.1	26 513.4	6674.2
25	17 684.7	6678.6	18 235.0	6806.3	18 786.2	6934.0	19 338.0	7062.1
30	610 478.6	2 527 073.8	611 039.2	2 537 201.6	611 600.7	2 547 329.3	612 163.0	2 557 457.3

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 45° 00′.		Lat. 45° 05′.		Lat. 45° 10′.		Lat. 45° 15′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 387 837.0	2 557 457.3	1 387 273.7	2 567 585.2	1 386 709.8	2 577 713.3	1 386 145.0	2 587 841.3
100 35	80 662.0	7062.1	80 109.2	7190.0	79 555.7	7318.0	79 001.4	7446.0
108 40	73 486.6	6674.2	72 944.3	6802.1	72 401.2	6930.1	71 857.3	7058.2
116 45	66 310.8	6293.7	65 778.9	6421.6	65 246.3	6549.7	64 712.9	6677.7
69 50	59 134.6	5920.6	58 613.2	6048.6	58 091.1	6176.6	57 568.1	6304.6
77 55	51 958.1	5554.9	51 447.1	5682.9	50 935.4	5810.9	50 422.9	5939.0
85								
93 00	1 344 781.2	2 555 196.6	1 344 280.6	2 565 324.5	1 343 779.3	2 575 452.6	1 343 277.3	2 585 580.6
101 05	37 603.9	4845.7	37 113.8	4973.6	36 622.9	5101.7	36 131.4	5229.7
109 10	30 426.3	4502.2	29 946.6	4630.1	29 466.2	4758.1	28 985.2	4886.2
117 15	23 248.3	4166.0	22 779.0	4293.9	22 309.1	4422.0	21 838.5	4550.1
20	16 069.9	3837.3	15 611.1	3965.2	15 151.7	4093.2	14 691.5	4221.3
25	08 891.2	3515.9	08 442.8	3643.8	07 993.9	3771.8	07 544.2	3899.9
30	1 301 712.2	3201.9	1 301 274.2	3329.8	1 300 835.7	3457.9	1 300 396.5	3586.0
35	1 294 532.9	2895.3	1 294 105.4	3023.2	1 293 677.3	3151.3	1 293 248.5	3279.4
40	87 353.3	2596.1	86 936.2	2724.0	86 518.6	2852.1	86 100.2	2980.2
45	80 173.4	2304.3	79 766.7	2432.2	79 359.6	2560.2	78 951.7	2688.4
70 50	72 993.2	2019.8	72 596.9	2147.7	72 200.3	2275.8	71 802.8	2403.9
78 55	65 812.7	1742.8	65 426.9	1870.7	65 040.6	1998.8	64 653.6	2126.9
86								
94 00	1 258 631.9	2 551 473.1	1 258 256.5	2 561 601.0	1 257 880.6	2 571 729.1	1 257 504.2	2 581 857.2
102 05	51 450.8	1210.9	51 085.8	1338.8	50 720.4	1466.8	50 354.4	1595.0
110 10	44 269.5	0956.0	43 914.9	1083.9	43 559.9	1212.0	43 204.4	1340.1
118 15	37 087.9	0708.5	36 743.7	0836.4	36 399.2	0964.5	36 054.1	1092.6
20	29 906.0	0468.4	29 572.3	0596.3	29 238.3	0724.4	28 903.6	0852.5
25	22 723.9	0235.7	22 400.7	0363.6	22 077.1	0491.6	21 752.9	0619.8
30	15 541.6	2 550 010.3	15 228.8	2 560 138.2	14 915.6	0266.3	14 601.9	0394.5
35	08 359.1	2 549 792.4	08 056.7	2 559 920.3	07 753.9	2 570 048.4	07 450.7	2 580 176.5
40	1 201 176.3	9581.8	1 200 884.4	9709.7	1 200 592.0	2 569 837.8	1 200 299.3	2 579 966.0
45	1 193 993.3	9378.7	1 193 711.8	9506.6	1 193 429.9	9634.7	1 193 147.6	9762.8
71 50	86 810.1	9182.9	86 539.0	9310.8	86 267.6	9438.9	85 995.7	9567.0
79 55	79 626.7	8994.5	79 366.1	9122.4	79 105.1	9250.5	78 843.7	9378.7
87								
95 00	1 172 443.1	2 548 813.5	1 172 192.9	2 558 941.4	1 171 942.4	2 569 069.5	1 171 691.4	2 579 197.7
103 05	65 259.3	8639.9	65 019.5	8767.8	64 779.4	8895.9	64 538.9	9024.0
111 10	58 075.4	8473.7	57 846.0	8601.6	57 616.4	8729.6	57 386.4	8857.8
119 15	50 891.3	8314.8	50 672.3	8442.7	50 453.1	8570.8	50 233.6	8699.0
20	43 707.1	8163.4	43 498.5	8291.3	43 289.8	8419.4	43 080.7	8547.5
25	36 522.6	8019.3	36 324.5	8147.2	36 126.2	8275.3	35 927.5	8403.5
30	29 338.1	7882.6	29 150.4	8010.5	28 962.6	8138.6	28 774.3	8266.8
35	22 153.4	7753.3	21 976.1	7881.2	21 798.7	8009.3	21 620.9	8137.5
40	14 968.6	7631.4	14 801.7	7759.3	14 634.7	7887.4	14 467.4	8015.6
45	07 783.6	7516.9	07 627.2	7644.8	07 470.6	7772.9	07 313.8	7901.1
72 50	1 100 598.6	7409.8	1 100 452.6	7537.7	1 100 306.5	7665.8	1 100 160.1	7794.0
80 55	1 093 413.4	7310.1	1 093 277.8	7438.0	1 093 142.2	7566.1	1 093 006.2	7694.3
88								
96 00	1 086 228.1	2 547 217.7	1 086 103.0	2 557 345.6	1 085 977.8	2 567 473.7	1 085 852.3	2 577 601.9
104 05	79 042.6	7132.8	78 927.9	7260.7	78 813.2	7388.8	78 698.1	7516.9
112 10	71 857.0	7055.2	71 752.8	7183.1	71 648.5	7311.2	71 543.9	7439.4
120 15	64 671.5	6985.0	64 577.7	7112.9	64 483.8	7241.0	64 389.6	7369.2
20	57 486.0	6922.2	57 402.5	7050.1	57 319.1	7178.2	57 235.4	7306.4
25	50 300.4	6866.8	50 227.4	6994.7	50 154.4	7122.8	50 081.2	7251.0
30	43 114.9	6818.8	43 052.3	6946.7	42 989.7	7074.8	42 927.0	7203.0
35	35 929.1	6778.1	35 876.9	6906.0	35 824.8	7034.1	35 772.5	7162.3
40	28 743.3	6744.9	28 701.5	6872.8	28 659.8	7000.9	28 618.0	7129.1
45	21 557.4	6719.0	21 526.2	6846.9	21 494.9	6975.0	21 463.5	7103.2
73 50	14 371.6	6700.6	14 350.8	6828.5	14 329.9	6956.6	14 309.0	7084.8
81 55	07 185.8	6689.5	07 175.4	6817.4	07 165.0	6945.5	07 154.5	7073.7
89								
97 00	1 000 000.0	2 546 685.8	1 000 000.0	2 556 813.7	1 000 000.0	2 566 941.8	1 000 000.0	2 577 070.0
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 45° 00′.		Lat. 45° 05′.		Lat. 45° 10′.		Lat. 45° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 546 685.8	1 000 000.0	2 556 813.7	1 000 000.0	2 566 941.8	1 000 000.0	2 577 070.0
105	05	992 814.2	6689.5	992 824.6	6817.4	992 834.9	6945.5	992 845.5	7073.7
113	10	85 628.4	6700.6	85 649.2	6828.5	85 670.1	6956.6	85 691.0	7084.8
121	15	78 442.6	6719.0	78 473.8	6846.9	78 505.1	6975.0	78 536.5	7103.2
	20	71 256.7	6744.9	71 298.5	6872.8	71 340.2	7000.9	71 382.0	7129.1
	25	64 070.9	6778.1	64 123.1	6906.0	64 175.2	7034.1	64 227.5	7162.3
	30	56 885.1	6818.8	56 947.7	6946.7	57 010.3	7074.8	57 073.0	7203.0
	35	49 699.6	6866.8	49 772.6	6994.7	49 845.6	7122.8	49 918.8	7251.0
	40	42 514.0	6922.2	42 597.5	7050.1	42 680.9	7178.2	42 764.6	7306.4
	45	35 328.5	6985.0	35 422.3	7112.9	35 516.2	7241.0	35 610.4	7369.2
74	50	28 143.0	7055.2	28 247.2	7183.1	28 351.5	7311.2	28 456.1	7439.4
82	55	20 957.4	7132.8	21 072.1	7260.7	21 186.8	7388.8	21 301.9	7516.9
90									
98	00	913 771.9	2 547 217.7	913 897.0	2 557 345.6	914 022.2	2 567 473.7	914 147.7	2 577 601.9
106	05	906 586.6	7310.1	906 722.2	7438.0	906 857.8	7566.1	906 993.8	7694.3
114	10	899 401.4	7409.8	899 547.4	7537.7	899 693.5	7665.8	899 839.9	7794.0
122	15	92 216.4	7516.9	92 372.8	7644.8	92 529.4	7772.9	92 686.2	7901.1
	20	85 031.4	7631.4	85 198.3	7759.3	85 365.3	7887.4	85 532.6	8015.6
	25	77 846.6	7753.3	78 023.9	7881.2	78 201.3	8009.3	78 379.1	8137.5
	30	70 661.9	7882.6	70 849.6	8010.5	71 037.4	8138.6	71 225.7	8266.8
	35	63 477.4	8019.3	63 675.5	8147.2	63 873.8	8275.3	64 072.5	8403.5
	40	56 292.9	8163.4	56 501.5	8291.3	56 710.2	8419.4	56 919.3	8547.5
	45	49 108.7	8314.8	49 327.7	8442.7	49 546.9	8570.8	49 766.4	8699.0
75	50	41 924.6	8473.7	42 154.0	8601.6	42 383.6	8729.6	42 613.6	8857.8
83	55	34 740.7	8639.9	34 980.5	8767.8	35 220.6	8895.9	35 461.1	9024.0
91									
99	00	827 556.9	2 548 813.5	827 807.1	2 558 941.4	828 057.6	2 569 069.5	828 308.6	2 579 197.7
107	05	20 373.3	8994.5	20 633.9	9122.4	20 894.9	9250.5	21 156.2	9378.7
115	10	13 189.9	9182.9	13 461.0	9310.8	13 732.4	9438.9	14 004.3	9567.0
123	15	806 006.7	9378.7	806 288.2	9506.6	806 570.1	9634.7	806 852.4	9762.8
	20	798 823.7	9581.8	799 115.6	9709.7	799 408.0	2 569 837.8	799 700.7	2 579 966.0
	25	91 640.9	2 549 792.4	91 943.3	2 559 920.3	92 246.1	2 570 048.4	92 549.3	2 580 176.5
	30	84 458.4	2 550 010.3	84 771.2	2 560 138.2	85 084.4	0266.3	85 398.1	0394.5
	35	77 276.1	0235.7	77 599.3	0363.6	77 922.9	0491.6	78 247.1	0619.8
	40	70 094.0	0468.4	70 427.6	0596.3	70 761.7	0724.4	71 096.4	0852.5
	45	62 912.1	0708.5	63 256.3	0836.4	63 600.8	0964.5	63 945.9	1092.6
76	50	55 730.5	0956.0	56 085.1	1083.9	56 440.1	1212.0	56 795.6	1340.1
84	55	48 549.2	1210.9	48 914.2	1338.8	49 279.6	1466.8	49 645.6	1595.0
92									
100	00	741 368.1	2 551 473.1	741 743.5	2 561 601.0	742 119.4	2 571 729.1	742 495.8	2 581 857.2
108	05	34 187.3	1742.8	34 573.1	1870.7	34 959.4	1998.8	35 346.4	2126.9
116	10	27 006.8	2019.8	27 403.1	2147.7	27 799.7	2275.8	28 197.2	2403.9
124	15	19 826.6	2304.3	20 233.3	2432.2	20 640.4	2560.2	21 048.3	2688.4
	20	12 646.7	2596.1	13 063.8	2724.0	13 481.4	2852.1	13 899.8	2980.2
	25	705 467.1	2895.3	705 894.6	3023.2	706 322.7	3151.3	706 751.5	3279.4
	30	698 287.8	3201.9	698 725.8	3329.8	699 164.3	3457.9	699 603.5	3586.0
	35	91 108.8	3515.9	91 557.2	3643.8	92 006.1	3771.8	92 455.8	3899.9
	40	83 930.1	3837.3	84 388.9	3965.2	84 848.3	4093.2	85 308.5	4221.3
	45	76 751.7	4166.0	77 221.0	4293.9	77 690.9	4422.0	78 161.5	4550.1
77	50	69 573.7	4502.2	70 053.4	4630.1	70 533.8	4758.1	71 014.8	4886.2
85	55	62 396.1	4845.7	62 886.2	4973.6	63 377.1	5101.7	63 868.6	5229.7
93									
101	00	655 218.8	2 555 196.6	655 719.4	2 565 324.5	656 220.7	2 575 452.6	656 722.7	2 585 580.6
109	05	48 041.9	5554.9	48 552.9	5682.9	49 064.6	5810.9	49 577.1	5939.0
117	10	40 865.4	5920.6	41 386.8	6048.6	41 908.9	6176.6	42 431.9	6304.6
125	15	33 689.2	6293.7	34 221.1	6421.6	34 753.7	6549.7	35 287.1	6677.7
	20	26 513.4	6674.2	27 055.7	6802.1	27 598.8	6930.1	28 142.7	7058.2
	25	19 338.0	7062.1	19 890.8	7190.0	20 444.3	7318.0	20 998.6	7446.0
	30	612 163.0	2 557 457.3	612 726.3	2 567 585.2	613 290.2	2 577 713.3	613 855.0	2 587 841.3

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 45° 15′.		Lat. 45° 20′.		Lat. 45° 25′.		Lat. 45° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92	1 386 145.0	2 587 841.3	1 385 579.4	2 597 969.4	1 385 012.9	2 608 097.6	1 384 445.6	2 618 225.8
100	79 001.4	7446.0	78 446.3	7574.2	77 890.3	7702.4	77 333.5	7830.6
108	71 857.3	7058.2	71 312.7	7186.4	70 767.2	7314.6	70 220.9	7442.7
116	64 712.9	6677.7	64 178.7	6805.9	63 643.8	6934.1	63 108.0	7062.3
69	57 568.1	6304.6	57 044.4	6432.8	56 519.9	6561.1	55 994.7	6689.3
77	50 422.9	5939.0	49 909.7	6067.2	49 395.7	6195.4	48 881.0	6323.6
85								
93	1 343 277.3	2 585 580.6	1 342 774.6	2 595 708.9	1 342 271.2	2 605 837.1	1 341 767.0	2 615 965.4
101	36 131.4	5229.7	35 639.2	5357.9	35 146.2	5486.2	34 652.5	5614.5
109	28 985.2	4886.2	28 503.4	5014.4	28 020.9	5142.7	27 537.7	5271.0
117	21 838.5	4550.1	21 367.3	4678.3	20 895.2	4806.6	20 422.6	4934.9
	14 691.5	4221.3	14 230.7	4349.5	13 769.2	4477.9	13 307.1	4606.2
	07 544.2	3899.9	1 307 093.9	4028.2	1 306 642.9	4156.5	1 306 191.2	4284.8
	1 300 396.5	3586.0	1 299 956.7	3714.2	1 299 516.2	3842.6	1 299 075.0	3970.9
	1 293 248.5	3279.4	92 819.3	3407.6	92 389.2	3536.0	91 958.5	3664.3
	86 100.2	2980.2	85 681.4	3108.4	85 261.9	3236.8	84 841.7	3365.1
	78 951.7	2688.4	78 543.3	2816.6	78 134.3	2945.0	77 724.6	3073.4
70	71 802.8	2403.9	71 404.9	2532.2	71 006.4	2660.6	70 607.3	2789.0
78	64 653.6	2126.9	64 266.2	2255.2	63 878.1	2383.6	63 489.6	2512.0
86								
94	1 257 504.2	2 581 857.2	1 257 127.3	2 591 985.5	1 256 749.6	2 602 113.9	1 256 371.6	2 612 242.3
102	50 354.4	1595.0	49 988.0	1723.3	49 620.9	1851.7	49 253.3	1980.1
110	43 204.4	1340.1	42 848.4	1468.4	42 491.9	1596.8	42 134.8	1725.2
118	36 054.1	1092.6	35 708.6	1220.9	35 362.6	1349.4	35 016.1	1477.8
	28 903.6	0852.5	28 568.6	0980.8	28 233.0	1109.3	27 896.9	1237.7
	21 752.9	0619.8	21 428.3	0748.1	21 103.2	0876.6	20 777.6	1005.0
	14 601.9	0394.5	14 287.8	0522.8	13 973.2	0651.3	13 658.1	0779.7
	07 450.7	2 580 176.5	07 147.1	0304.9	1 206 842.9	0433.3	1 206 538.4	0561.8
	1 200 299.3	2 579 966.0	1 200 006.1	2 590 094.3	1 199 712.4	0222.8	1 199 418.4	0351.3
	1 193 147.6	9762.8	1 192 864.9	2 589 891.2	92 581.7	2 600 019.7	92 298.2	2 610 148.1
71	85 995.7	9567.0	85 723.5	9695.4	85 450.9	2 599 823.9	85 177.8	2 609 952.4
79	78 843.7	9378.7	78 582.0	9507.0	78 319.8	9635.5	78 057.2	9764.0
87								
95	1 171 691.4	2 579 197.7	1 171 440.2	2 589 326.0	1 171 188.5	2 599 454.5	1 170 936.4	2 609 583.0
103	64 538.9	9024.0	64 298.2	9152.4	64 056.9	9280.9	63 815.4	9409.4
111	57 386.4	8857.8	57 156.1	8986.2	56 925.3	9114.7	56 694.3	9243.2
119	50 233.6	8699.0	50 013.7	8827.3	49 793.5	8955.9	49 572.9	9084.4
	43 080.7	8547.5	42 871.3	8675.9	42 661.6	8804.4	42 451.5	8933.0
	35 927.5	8403.5	35 728.6	8531.8	35 529.4	8660.4	35 329.8	8788.9
	28 774.3	8266.8	28 585.9	8395.2	28 397.2	8523.7	28 208.1	8652.3
	21 620.9	8137.5	21 443.0	8265.9	21 264.7	8394.5	21 086.2	8523.0
	14 467.4	8015.6	14 300.0	8144.0	14 132.2	8272.6	13 964.2	8401.1
	07 313.8	7901.1	07 156.8	8029.5	1 106 999.5	8158.1	1 106 842.0	8286.6
72	1 100 160.1	7794.0	1 100 013.5	7922.4	1 099 866.7	8050.9	1 099 719.7	8179.5
80	1 093 006.2	7694.3	1 092 870.1	7822.6	92 733.8	7951.2	92 597.3	8079.8
88								
96	1 085 852.3	2 577 601.9	1 085 726.7	2 587 730.3	1 085 600.9	2 597 858.9	1 085 474.8	2 607 987.5
104	78 698.1	7516.9	78 583.0	7645.3	78 467.6	7773.9	78 352.0	7902.5
112	71 543.9	7439.4	71 439.2	7567.8	71 334.4	7696.4	71 229.3	7824.9
120	64 389.6	7369.2	64 295.5	7497.6	64 201.1	7626.2	64 106.5	7754.8
	57 235.4	7306.4	57 151.7	7434.8	57 067.8	7563.4	56 983.7	7692.0
	50 081.2	7251.0	50 008.0	7379.4	49 934.6	7508.0	49 861.0	7636.6
	42 927.0	7203.0	42 864.2	7331.4	42 801.3	7460.0	42 738.2	7588.6
	35 772.5	7162.3	35 720.2	7290.7	35 667.8	7419.3	35 615.2	7547.9
	28 618.0	7129.1	28 576.1	7257.5	28 534.2	7386.1	28 492.1	7514.7
	21 463.5	7103.2	21 432.1	7231.6	21 400.7	7360.2	21 369.1	7488.8
73	14 309.0	7084.8	14 288.1	7213.2	14 267.1	7341.8	14 246.1	7470.4
81	07 154.5	7073.7	07 144.0	7202.1	07 133.6	7330.7	07 123.0	7459.3
89								
97	1 000 000.0	2 577 070.0	1 000 000.0	2 587 198.4	1 000 000.0	2 597 327.0	1 000 000.0	2 607 455.6
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 45° 15′.		Lat. 45° 20′.		Lat. 45° 25′.		Lat. 45° 30′.	
	x	y	x	y	x	y	x	y
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
73								
81								
89								
97 00	1 000 000. 0	2 577 070. 0	1 000 000. 0	2 587 198. 4	1 000 000. 0	2 597 327. 0	1 000 000. 0	2 607 455. 6
105 05	992 845. 5	7073. 7	992 856. 0	7202. 1	992 866. 4	7330. 7	992 877. 0	7459. 3
113 10	85 691. 0	7084. 8	85 711. 9	7213. 2	85 732. 9	7341. 8	85 753. 9	7470. 4
121 15	78 536. 5	7103. 2	78 567. 9	7231. 6	78 599. 3	7360. 2	78 630. 9	7488. 8
20	71 382. 0	7129. 1	71 423. 9	7257. 5	71 465. 8	7386. 1	71 507. 9	7514. 7
25	64 227. 5	7162. 3	64 279. 8	7290. 7	64 332. 2	7419. 3	64 384. 8	7547. 9
30	57 073. 0	7203. 0	57 135. 8	7331. 4	57 198. 7	7460. 0	57 261. 8	7588. 6
35	49 918. 8	7251. 0	49 992. 0	7379. 4	50 065. 4	7508. 0	50 139. 0	7636. 6
40	42 764. 6	7306. 4	42 848. 3	7434. 8	42 932. 2	7563. 4	43 016. 3	7692. 0
45	35 610. 4	7369. 2	35 704. 5	7497. 6	35 798. 9	7626. 2	35 893. 5	7754. 8
74 50	28 456. 1	7439. 4	28 560. 8	7567. 8	28 665. 6	7696. 4	28 770. 7	7824. 9
82 55	21 301. 9	7516. 9	21 417. 0	7645. 3	21 532. 4	7773. 9	21 648. 0	7902. 5
90								
98 00	914 147. 7	2 577 601. 9	914 273. 3	2 587 730. 3	914 399. 1	2 597 858. 9	914 525. 2	2 607 987. 5
106 05	906 993. 8	7694. 3	907 129. 9	7822. 6	07 266. 2	7951. 2	07 402. 7	8079. 8
114 10	899 839. 9	7794. 0	899 986. 5	7922. 4	900 133. 3	8050. 9	900 280. 3	8179. 5
122 15	92 686. 2	7901. 1	92 843. 2	8029. 5	893 000. 5	8158. 1	893 158. 0	8286. 6
20	85 532. 6	8015. 6	85 700. 0	8144. 0	85 867. 8	8272. 6	86 035. 8	8401. 1
25	78 379. 1	8137. 5	78 557. 0	8265. 9	78 735. 3	8394. 5	78 913. 8	8523. 0
30	71 225. 7	8266. 8	71 414. 1	8395. 2	71 602. 8	8523. 7	71 791. 9	8652. 3
35	64 072. 5	8403. 5	64 271. 4	8531. 8	64 470. 6	8660. 4	64 670. 2	8788. 9
40	56 919. 3	8547. 5	57 128. 7	8675. 9	57 338. 4	8804. 4	57 548. 5	8933. 0
45	49 766. 4	8699. 0	49 986. 3	8827. 3	50 206. 5	8955. 9	50 427. 1	9084. 4
75 50	42 613. 6	8857. 8	42 843. 9	8986. 2	43 074. 7	9114. 7	43 305. 7	9243. 2
83 55	35 461. 1	9024. 0	35 701. 8	9152. 4	35 943. 1	9280. 9	36 184. 6	9409. 4
91								
99 00	828 308. 6	2 579 197. 7	828 559. 8	2 589 326. 0	828 811. 5	2 599 454. 5	829 063. 6	2 609 583. 0
107 05	21 156. 2	9378. 7	21 418. 0	9507. 0	21 680. 2	9635. 5	21 942. 8	9764. 0
115 10	14 004. 3	9567. 0	14 276. 5	9695. 4	14 549. 1	2 599 823. 9	14 822. 2	2 609 952. 4
123 15	806 852. 4	9762. 8	807 135. 1	2 589 891. 2	07 418. 3	2 600 019. 7	07 701. 8	2 610 148. 1
20	799 700. 7	2 579 966. 0	799 993. 9	2 590 094. 3	800 287. 6	0222. 8	800 581. 6	0351. 3
25	92 549. 3	2 580 176. 5	92 852. 9	0304. 9	793 157. 1	0433. 3	793 461. 6	0561. 8
30	85 398. 1	0394. 5	85 712. 2	0522. 8	86 026. 8	0651. 3	86 341. 9	0779. 7
35	78 247. 1	0619. 8	78 571. 7	0748. 1	78 896. 8	0876. 6	79 222. 4	1005. 0
40	71 096. 4	0852. 5	71 431. 4	0980. 8	71 767. 0	1109. 3	72 103. 1	1237. 7
45	63 945. 9	1092. 6	64 291. 4	1220. 9	64 637. 4	1349. 4	64 983. 9	1477. 8
76 50	56 795. 6	1340. 1	57 151. 6	1468. 4	57 508. 1	1596. 8	57 865. 2	1725. 2
84 55	49 645. 6	1595. 0	50 012. 0	1723. 3	50 379. 1	1851. 7	50 746. 7	1980. 1
92								
100 00	742 495. 8	2 581 857. 2	742 872. 7	2 591 985. 5	743 250. 4	2 602 113. 9	743 628. 4	2 612 242. 3
108 05	35 346. 4	2126. 9	35 733. 8	2255. 2	36 121. 9	2383. 6	36 510. 4	2512. 0
116 10	28 197. 2	2403. 9	28 595. 1	2532. 2	28 993. 6	2660. 6	29 392. 7	2789. 0
124 15	21 048. 3	2688. 4	21 456. 7	2816. 6	21 865. 7	2945. 0	22 275. 4	3073. 4
20	13 899. 8	2980. 2	14 318. 6	3108. 4	14 738. 1	3236. 8	15 158. 3	3365. 1
25	706 751. 5	3279. 4	07 180. 7	3407. 6	07 610. 8	3536. 0	08 041. 5	3664. 3
30	699 603. 5	3586. 0	700 043. 3	3714. 2	700 483. 8	3842. 6	700 925. 0	3970. 9
35	92 455. 8	3899. 9	692 906. 1	4028. 2	693 357. 1	4156. 5	693 808. 8	4284. 8
40	85 308. 5	4221. 3	85 769. 3	4349. 5	86 230. 8	4477. 9	86 692. 9	4606. 2
45	78 161. 5	4550. 1	78 632. 7	4678. 3	79 104. 8	4806. 6	79 577. 4	4934. 9
77 50	71 014. 8	4886. 2	71 496. 6	5014. 4	71 979. 1	5142. 7	72 462. 3	5271. 0
85 55	63 868. 6	5229. 7	64 360. 8	5357. 9	64 853. 8	5486. 2	65 347. 5	5614. 5
93								
101 00	656 722. 7	2 585 580. 6	657 225. 4	2 595 708. 9	657 728. 8	2 605 837. 1	658 233. 0	2 615 965. 4
109 05	49 577. 1	5939. 0	50 090. 3	6067. 2	50 604. 3	6195. 4	51 119. 0	6323. 6
117 10	42 431. 9	6304. 6	42 955. 6	6432. 8	43 480. 1	6561. 1	44 005. 3	6689. 3
125 15	35 287. 1	6677. 7	35 821. 3	6805. 9	36 356. 2	6934. 1	36 892. 0	7062. 3
20	28 142. 7	7058. 2	28 687. 3	7186. 4	29 232. 8	7314. 6	29 779. 1	7442. 7
25	20 998. 6	7446. 0	21 553. 7	7574. 2	22 109. 7	7702. 4	22 666. 5	7830. 6
30	613 855. 0	2 587 841. 3	614 420. 6	2 597 969. 4	614 987. 1	2 608 097. 6	615 554. 4	2 618 225. 8

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 45° 30′.		Lat. 45° 35′.		Lat. 45° 40′.		Lat. 45° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 384 445.6	2 618 225.8	1 383 877.6	2 628 354.1	1 383 308.7	2 638 482.3	1 382 738.9	2 648 610.7
100 35	77 333.5	7830.6	76 776.0	7958.9	76 217.6	8087.2	75 658.4	8215.6
108 40	70 220.9	7442.7	69 674.0	7571.1	69 126.1	7699.4	68 577.6	7827.8
116 45	63 108.0	7062.3	62 571.6	7190.7	62 034.3	7319.0	61 496.3	7447.4
69 50	55 994.7	6689.3	55 468.8	6817.7	54 942.1	6946.0	54 414.6	7074.5
77 55	48 881.0	6323.6	48 365.6	6452.0	47 849.4	6580.4	47 332.6	6708.9
85								
93 00	1 341 767.0	2 615 965.4	1 341 262.1	2 626 093.8	1 340 756.4	2 636 222.2	1 340 250.2	2 646 350.7
101 05	34 652.5	5614.5	34 158.2	5742.9	33 663.0	5871.3	33 167.3	5999.9
109 10	27 537.7	5271.0	27 053.9	5399.4	26 569.3	5527.9	26 084.1	5656.4
117 15	20 422.6	4934.9	19 949.2	5063.3	19 475.2	5191.8	19 000.6	5320.4
20	13 307.1	4606.2	12 844.2	4734.6	12 380.7	4863.1	11 916.6	4991.7
25	1 306 191.2	4284.8	1 305 738.9	4413.3	1 305 286.0	4541.8	1 304 832.4	4670.4
30	1 299 075.0	3970.9	1 298 633.3	4099.4	1 298 190.9	4227.9	1 297 747.8	4356.5
35	91 958.5	3664.3	91 527.4	3792.8	91 095.4	3921.4	90 663.0	4050.0
40	84 841.7	3365.1	84 421.2	3493.7	83 999.7	3622.2	83 577.8	3750.9
45	77 724.6	3073.4	77 314.6	3201.9	76 903.7	3330.5	76 492.5	3459.2
70 50	70 607.3	2789.0	70 207.7	2917.5	69 807.4	3046.1	69 406.7	3174.8
78 55	63 489.6	2512.0	63 100.5	2640.5	62 710.7	2769.1	62 320.5	2897.9
86								
94 00	1 256 371.6	2 612 242.3	1 255 993.0	2 622 370.9	1 255 613.8	2 632 499.5	1 255 234.1	2 642 628.3
102 05	49 253.3	1980.1	48 885.3	2108.7	48 516.6	2237.3	48 147.5	2366.1
110 10	42 134.8	1725.2	41 777.2	1853.9	41 419.2	1982.5	41 060.5	2111.3
118 15	35 016.1	1477.8	34 669.0	1606.4	34 321.4	1735.1	33 973.3	1863.9
20	27 896.9	1237.7	27 560.4	1366.3	27 223.4	1495.0	26 885.9	1623.9
25	20 777.6	1005.0	20 451.7	1133.7	20 125.1	1262.3	19 798.2	1391.2
30	13 658.1	0779.7	13 342.7	0908.4	13 026.7	1037.1	12 710.3	1165.9
35	1 206 538.4	0561.8	1 206 233.5	0690.5	1 205 928.0	0819.2	1 205 622.2	0948.1
40	1 199 418.4	0351.3	1 199 124.0	0479.9	1 198 829.1	0608.7	1 198 533.8	0737.6
45	92 298.2	2 610 148.1	92 014.3	0276.8	91 729.9	0405.5	91 445.2	0534.5
71 50	85 177.8	2 609 952.4	84 904.5	2 620 081.1	84 630.6	0209.8	84 356.5	0338.7
79 55	78 057.2	9764.0	77 794.4	2 619 892.7	77 531.1	2 630 021.5	77 267.5	2 640 150.4
87								
95 00	1 170 936.4	2 609 583.0	1 170 684.1	2 619 711.7	1 170 431.3	2 629 840.5	1 170 178.3	2 639 969.5
103 05	63 815.4	9409.4	63 573.6	9538.1	63 331.3	9666.9	63 088.8	9795.9
111 10	56 694.3	9243.2	56 463.0	9371.9	56 231.3	9500.7	55 999.3	9629.7
119 15	49 572.9	9084.4	49 352.2	9213.1	49 131.0	9341.9	48 909.5	9470.9
20	42 451.5	8933.0	42 241.3	9061.7	42 030.6	9190.5	41 819.7	9319.5
25	35 329.8	8788.9	35 130.1	8917.7	34 930.0	9046.5	34 729.6	9175.5
30	28 208.1	8652.3	28 018.9	8781.0	27 829.3	8909.8	27 639.5	9038.9
35	21 086.2	8523.0	20 907.5	8651.8	20 728.4	8780.6	20 549.1	8909.6
40	13 964.2	8401.1	13 796.0	8529.9	13 627.5	8658.7	13 458.7	8787.8
45	1 106 842.0	8286.6	1 106 684.3	8415.4	1 106 526.3	8544.2	1 106 368.1	8673.3
72 50	1 099 719.7	8179.5	1 099 572.5	8308.3	1 099 425.1	8437.1	1 099 277.5	8566.2
80 55	92 597.3	8079.8	92 460.6	8208.6	92 323.7	8337.4	92 186.7	8466.5
88								
96 00	1 085 474.8	2 607 987.5	1 085 348.7	2 618 116.2	1 085 222.3	2 628 245.1	1 085 095.8	2 638 374.2
104 05	78 352.0	7902.5	78 236.5	8031.3	78 120.5	8160.2	78 004.6	8289.2
112 10	71 229.3	7824.9	71 124.2	7953.7	71 018.8	8082.6	70 913.4	8211.7
120 15	64 106.5	7754.8	64 012.0	7883.5	63 917.1	8012.4	63 822.3	8141.5
20	56 983.7	7692.0	56 899.7	7820.8	56 815.4	7949.6	56 731.1	8078.7
25	49 861.0	7636.6	49 787.5	7765.4	49 713.6	7894.3	49 639.9	8023.3
30	42 738.2	7588.6	42 675.2	7717.3	42 611.9	7846.2	42 548.7	7975.3
35	35 615.2	7547.9	35 562.7	7676.7	35 509.9	7805.6	35 457.3	7934.7
40	28 492.1	7514.7	28 450.1	7643.5	28 407.9	7772.4	28 365.8	7901.5
45	21 369.1	7488.8	21 337.6	7617.6	21 305.9	7746.5	21 274.4	7875.6
73 50	14 246.1	7470.4	14 225.1	7599.2	14 204.0	7728.1	14 182.9	7857.2
81 55	07 123.0	7459.3	07 112.5	7588.1	07 102.0	7717.0	07 091.5	7846.1
89								
97 00	1 000 000.0	2 607 455.6	1 000 000.0	2 617 584.4	1 000 000.0	2 627 713.3	1 000 000.0	2 637 842.4
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 45° 30′.		Lat. 45° 35′.		Lat. 45° 40′.		Lat. 45° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 607 455.6	1 000 000.0	2 617 584.4	1 000 000.0	2 627 713.3	1 000 000.0	2 637 842.4
105	05	992 877.0	7459.3	992 887.5	7588.1	992 898.0	7717.0	992 908.5	7846.1
113	10	85 753.9	7470.4	85 774.9	7599.2	85 796.0	7728.1	85 817.1	7857.2
121	15	78 630.9	7488.8	78 662.4	7617.6	78 694.1	7746.5	78 725.6	7875.6
	20	71 507.9	7514.7	71 549.9	7643.5	71 592.1	7772.4	71 634.2	7901.5
	25	64 384.8	7547.9	64 437.3	7676.7	64 490.1	7805.6	64 542.7	7934.7
	30	57 261.8	7588.6	57 324.8	7717.3	57 388.1	7846.2	57 451.3	7975.3
	35	50 139.0	7636.6	50 212.5	7765.4	50 286.4	7894.3	50 360.1	8023.3
	40	43 016.3	7692.0	43 100.3	7820.8	43 184.6	7949.6	43 268.9	8078.7
	45	35 893.5	7754.8	35 988.0	7883.5	36 082.9	8012.4	36 177.7	8141.5
74	50	28 770.7	7824.9	28 875.8	7953.7	28 981.2	8082.6	29 086.6	8211.7
82	55	21 648.0	7902.5	21 763.5	8031.3	21 879.5	8160.2	21 995.4	8289.2
90									
98	00	914 525.2	2 607 987.5	914 651.3	2 618 116.2	914 777.7	2 628 245.1	914 904.2	2 638 374.2
106	05	07 402.7	8079.8	07 539.4	8208.6	07 676.3	8337.4	07 813.3	8466.5
114	10	900 280.3	8179.5	900 427.5	8308.3	900 574.9	8437.1	900 722.5	8566.2
122	15	893 158.0	8286.6	893 315.7	8415.4	893 473.7	8544.2	893 631.9	8673.3
	20	86 035.8	8401.1	86 204.0	8529.9	86 372.5	8658.7	86 541.3	8787.8
	25	78 913.8	8523.0	79 092.5	8651.8	79 271.6	8780.6	79 450.9	8909.6
	30	71 791.9	8652.3	71 981.1	8781.0	72 170.7	8909.8	72 360.5	9038.9
	35	64 670.2	8788.9	64 869.9	8917.7	65 070.0	9046.5	65 270.4	9175.5
	40	57 548.5	8933.0	57 758.7	9061.7	57 969.4	9190.5	58 180.3	9319.5
	45	50 427.1	9084.4	50 647.8	9213.1	50 869.0	9341.9	51 090.5	9470.9
75	50	43 305.7	9243.2	43 537.0	9371.9	43 768.7	9500.7	44 000.7	9629.7
83	55	36 184.6	9409.4	36 426.4	9538.1	36 668.7	9666.9	36 911.2	9795.9
91									
99	00	829 063.6	2 609 583.0	829 315.9	2 619 711.7	829 568.7	2 629 840.5	829 821.7	2 639 969.5
107	05	21 942.8	9764.0	22 205.6	2 619 892.7	22 468.9	2 630 021.5	22 732.5	2 640 150.4
115	10	14 822.2	2 609 952.4	15 095.4	2 620 081.1	15 369.4	0209.8	15 643.5	0338.7
123	15	07 701.8	2 610 148.1	07 985.7	0276.8	08 270.1	0405.5	08 554.8	0534.5
	20	800 581.6	0351.3	800 876.0	0479.9	801 170.9	0608.7	801 466.2	0737.6
	25	793 461.6	0561.8	793 766.5	0690.5	794 072.0	0819.2	794 377.8	0948.1
	30	86 341.9	0779.7	86 657.3	0908.4	86 973.3	1037.1	87 289.7	1165.9
	35	79 222.4	1005.0	79 548.3	1133.7	79 874.9	1262.3	80 201.8	1391.2
	40	72 103.1	1237.7	72 439.6	1366.3	72 776.6	1495.0	73 114.1	1623.9
	45	64 983.9	1477.8	65 331.0	1606.4	65 678.6	1735.1	66 026.7	1863.9
76	50	57 865.2	1725.2	58 222.8	1853.9	58 580.8	1982.5	58 939.5	2111.3
84	55	50 746.7	1980.1	51 114.7	2108.7	51 483.4	2237.3	51 852.5	2366.1
92									
100	00	743 628.4	2 612 242.3	744 007.0	2 622 370.9	744 386.2	2 632 499.5	744 765.9	2 642 628.3
108	05	36 510.4	2512.0	36 899.5	2640.5	37 289.3	2769.1	37 679.5	2897.9
116	10	29 392.7	2789.0	29 792.3	2917.5	30 192.6	3046.1	30 593.3	3174.8
124	15	22 275.4	3073.4	22 685.4	3201.9	23 096.3	3330.5	23 507.5	3459.2
	20	15 158.3	3365.1	15 578.8	3493.7	16 000.3	3622.2	16 422.2	3750.9
	25	08 041.5	3664.3	08 472.6	3792.8	08 904.6	3921.4	09 337.0	4050.0
	30	700 925.0	3970.9	701 366.7	4099.4	701 819.1	4227.9	702 252.2	4356.5
	35	693 808.8	4284.8	694 261.1	4413.3	694 714.0	4541.8	695 167.6	4670.4
	40	86 692.9	4606.2	87 155.8	4734.6	87 619.3	4863.1	88 083.4	4991.7
	45	79 577.4	4934.9	80 050.8	5063.3	80 524.8	5191.8	80 999.4	5320.4
77	50	72 462.3	5271.0	72 946.1	5399.4	73 430.7	5527.9	73 915.9	5656.4
85	55	65 347.5	5614.5	65 841.8	5742.9	66 337.0	5871.3	66 832.7	5999.9
93									
101	00	658 233.0	2 615 965.4	658 737.9	2 626 093.8	659 243.6	2 636 222.2	659 749.8	2 646 350.7
109	05	51 119.0	6323.6	51 634.4	6452.0	52 150.6	6580.4	52 667.4	6708.9
117	10	44 005.3	6689.3	44 531.2	6817.7	45 057.9	6946.0	45 585.4	7074.5
125	15	36 892.0	7062.3	37 428.4	7190.7	37 965.7	7319.0	38 503.7	7447.4
	20	29 779.1	7442.7	30 326.0	7571.1	30 873.9	7699.4	31 422.4	7827.8
	25	22 666.5	7830.6	23 224.0	7958.9	23 782.4	8087.2	24 341.6	8215.6
	30	615 554.4	2 618 225.8	616 122.4	2 628 354.1	616 691.3	2 638 482.3	617 261.1	2 648 610.7

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 45° 45′.		Lat. 45° 50′.		Lat. 45° 55′.		Lat. 46° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 382 738.9	2 648 610.7	1 382 168.5	2 658 739.2	1 381 597.1	2 668 867.6	1 381 024.9	2 678 996.1
100 35	75 658.4	8215.6	75 098.6	8344.1	74 537.8	8472.5	73 976.2	8601.1
108 40	68 577.6	7827.8	68 028.3	7956.4	67 478.0	8084.9	66 927.1	8213.5
116 45	61 496.3	7447.4	60 957.6	7576.0	60 417.9	7704.6	59 877.6	7833.2
69 50	54 414.6	7074.5	53 886.4	7203.1	53 357.4	7331.6	52 827.6	7460.3
77 55	47 332.6	6708.9	46 814.9	6837.5	46 296.5	6966.1	45 777.3	7094.8
85								
93 00	1 340 250.2	2 646 350.7	1 339 743.0	2 656 479.3	1 339 235.2	2 666 608.0	1 338 726.7	2 676 736.7
101 05	33 167.3	5999.9	32 670.8	6128.5	32 173.5	6257.2	31 675.6	6386.0
109 10	26 084.1	5656.4	25 598.3	5785.1	25 111.5	5913.8	24 624.2	6042.6
117 15	19 000.6	5320.4	18 525.3	5449.1	18 049.1	5577.8	17 572.4	5706.7
20	11 916.6	4991.7	11 452.0	5120.5	10 986.4	5249.2	10 520.2	5378.1
25	1 304 832.4	4670.4	1 304 378.3	4799.2	1 303 923.3	4928.0	1 303 467.8	5056.9
30	1 297 747.8	4356.5	1 297 304.3	4485.4	1 296 859.9	4614.2	1 296 415.0	4743.1
35	90 663.0	4050.0	90 230.0	4178.9	89 796.2	4307.7	89 361.9	4436.7
40	83 577.8	3750.9	83 155.4	3879.8	82 732.2	4008.6	82 308.4	4137.6
45	76 492.5	3459.2	76 080.5	3588.1	75 667.9	3717.0	75 254.7	3846.0
70 50	69 406.7	3174.8	69 005.3	3303.7	68 603.2	3432.7	68 200.7	3561.7
78 55	62 320.5	2897.9	61 929.8	3026.8	61 538.2	3155.7	61 146.4	3284.8
86								
94 00	1 255 234.1	2 642 628.3	1 254 854.0	2 652 757.2	1 254 473.0	2 662 886.2	1 254 091.7	2 673 015.3
102 05	48 147.5	2366.1	47 777.9	2495.1	47 407.6	2624.1	47 036.8	2753.2
110 10	41 060.5	2111.3	40 701.5	2240.3	40 341.8	2369.3	39 981.7	2498.4
118 15	33 973.3	1863.9	33 624.8	1992.9	33 275.8	2121.9	32 926.2	2251.1
20	26 885.9	1623.9	26 547.9	1752.9	26 209.5	1881.9	25 870.5	2011.1
25	19 798.2	1391.2	19 470.8	1520.2	19 142.9	1649.3	18 814.5	1778.5
30	12 710.3	1165.9	12 393.5	1295.0	12 076.1	1424.1	11 758.4	1553.3
35	1 205 622.2	0948.1	1 205 315.9	1077.1	1 205 009.1	1206.2	1 204 702.0	1335.5
40	1 198 533.8	0737.6	1 198 238.1	0866.7	1 197 941.9	0995.8	1 197 645.4	1125.0
45	91 445.2	0534.5	91 160.1	0663.6	90 874.5	0792.7	90 588.5	0922.0
71 50	84 356.5	0338.7	84 081.9	0467.9	83 806.9	0597.0	83 531.4	0726.3
79 55	77 267.5	2 640 150.4	77 003.5	0279.5	76 739.0	0408.7	76 474.2	0538.0
87								
95 00	1 170 178.3	2 639 969.5	1 169 924.8	2 650 098.6	1 169 671.0	2 660 227.8	1 169 416.7	2 670 357.1
103 05	63 088.8	9795.9	62 845.9	2 649 925.1	62 602.7	2 660 054.3	62 359.0	0183.6
111 10	55 999.3	9629.7	55 767.0	9758.9	55 534.3	2 659 888.1	55 301.2	2 670 017.5
119 15	48 909.5	9470.9	48 687.8	9600.1	48 465.7	9729.4	48 243.2	2 669 858.7
20	41 819.7	9319.5	41 608.6	9448.7	41 397.0	9578.0	41 185.1	9707.3
25	34 729.6	9175.5	34 529.1	9304.7	34 328.0	9434.0	34 126.8	9563.4
30	27 639.5	9038.9	27 449.5	9168.1	27 259.0	9297.4	27 068.4	9426.8
35	20 549.1	8909.6	20 369.7	9038.8	20 189.8	9168.1	20 009.8	9297.5
40	13 458.7	8787.8	13 289.8	8917.0	13 120.5	9046.3	12 951.1	9175.7
45	1 106 368.1	8673.3	1 106 209.8	8802.5	1 106 051.1	8931.8	1 105 892.2	9061.3
72 50	1 099 277.5	8566.2	1 099 129.7	8695.4	1 098 981.6	8824.8	1 098 833.3	8954.2
80 55	92 186.7	8466.5	92 049.4	8595.7	91 911.9	8725.1	91 774.2	8854.5
88								
96 00	1 085 095.8	2 638 374.2	1 084 969.1	2 648 503.4	1 084 842.1	2 658 632.8	1 084 715.1	2 668 762.2
104 05	78 004.6	8289.2	77 888.5	8418.5	77 772.2	8547.8	77 655.6	8677.3
112 10	70 913.4	8211.7	70 807.9	8340.9	70 702.1	8470.3	70 596.2	8599.8
120 15	63 822.3	8141.5	63 727.2	8270.8	63 632.1	8400.2	63 536.7	8529.6
20	56 731.1	8078.7	56 646.6	8208.0	56 562.0	8337.4	56 477.3	8466.9
25	49 639.9	8023.3	49 566.0	8152.6	49 491.9	8282.0	49 417.8	8411.5
30	42 548.7	7975.3	42 485.4	8104.6	42 421.9	8234.0	42 358.4	8363.5
35	35 457.3	7934.7	35 404.5	8064.0	35 351.5	8193.4	35 298.7	8322.9
40	28 365.8	7901.5	28 323.6	8030.8	28 281.2	8160.2	28 238.9	8289.7
45	21 274.4	7875.6	21 242.7	8004.9	21 210.9	8134.3	21 179.2	8263.8
73 50	14 182.9	7857.2	14 161.8	7986.5	14 140.6	8115.9	14 119.5	8245.4
81 55	07 091.5	7846.1	07 080.9	7975.4	07 070.3	8104.8	07 059.7	8234.3
89								
97 00	1 000 000.0	2 637 842.4	1 000 000.0	2 647 971.7	1 000 000.0	2 658 101.1	1 000 000.0	2 668 230.6
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 45° 45′.		Lat. 45° 50′.		Lat. 45° 55′.		Lat. 46° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	2 637 842.4	1 000 000.0	2 647 971.7	1 000 000.0	2 658 101.1	1 000 000.0	2 668 230.6
105 05	992 908.5	7846.1	992 919.1	7975.4	992 929.7	8104.8	992 940.3	8234.3
113 10	85 817.1	7857.2	85 838.2	7986.5	85 859.4	8115.9	85 880.5	8245.4
121 15	78 725.6	7875.6	78 757.3	8004.9	78 789.1	8134.3	78 820.8	8263.8
20	71 634.2	7901.5	71 676.4	8030.8	71 718.8	8160.2	71 761.1	8289.7
25	64 542.7	7934.7	64 595.5	8064.0	64 648.5	8193.4	64 701.3	8322.9
30	57 451.3	7975.3	57 514.5	8104.6	57 578.1	8234.0	57 641.6	8363.5
35	50 360.1	8023.3	50 434.0	8152.6	50 508.1	8282.0	50 582.2	8411.5
40	43 268.9	8078.7	43 353.4	8208.0	43 438.0	8337.4	43 522.7	8466.9
45	36 177.7	8141.5	36 272.8	8270.8	36 367.9	8400.2	36 463.3	8529.6
74 50	29 086.6	8211.7	29 192.1	8340.9	29 297.9	8470.3	29 403.8	8599.8
82 55	21 995.4	8289.2	22 111.5	8418.5	22 227.8	8547.8	22 344.4	8677.3
90								
98 00	914 904.2	2 638 374.2	915 030.9	2 648 503.4	915 157.9	2 658 632.8	915 284.9	2 668 762.2
106 05	07 813.3	8466.5	07 950.6	8595.7	08 088.1	8725.1	08 225.8	8854.5
114 10	900 722.5	8566.2	900 870.3	8695.4	901 018.4	8824.8	901 166.7	8954.2
122 15	893 631.9	8673.3	893 790.1	8802.5	893 948.9	8931.8	894 107.8	9061.3
20	86 541.3	8787.8	86 710.2	8917.0	86 879.5	9046.3	87 048.9	9175.7
25	79 450.9	8909.6	79 630.3	9038.8	79 810.2	9168.1	79 990.2	9297.5
30	72 360.5	9038.9	72 550.5	9168.1	72 741.0	9297.4	72 931.6	9426.8
35	65 270.4	9175.5	65 470.9	9304.7	65 672.0	9434.0	65 873.2	9563.4
40	58 180.3	9319.5	58 391.4	9448.7	58 603.0	9578.0	58 814.9	9707.3
45	51 090.5	9470.9	51 312.2	9600.1	51 534.3	9729.4	51 756.8	2 669 858.7
75 50	44 000.7	9629.7	44 233.0	9758.9	44 465.7	2 659 888.1	44 698.8	2 670 017.5
83 55	36 911.2	9795.9	37 154.1	2 649 925.1	37 397.3	2 660 054.3	37 641.0	0183.6
91								
99 00	829 821.7	2 639 969.5	830 075.2	2 650 098.6	830 329.0	2 660 227.8	830 583.3	2 670 357.1
107 05	22 732.5	2 640 150.4	22 996.5	0279.5	23 261.0	0408.7	23 525.8	0538.0
115 10	15 643.5	0338.7	15 918.1	0467.9	16 193.1	0597.0	16 468.6	0726.3
123 15	08 554.8	0534.5	08 839.9	0663.6	09 125.5	0792.7	09 411.5	0922.0
20	801 466.2	0737.6	801 761.9	0866.7	802 058.1	0995.8	802 354.6	1125.0
25	794 377.8	0948.1	794 684.1	1077.1	794 990.9	1206.2	795 298.0	1335.5
30	87 289.7	1165.9	87 606.5	1295.0	87 923.9	1424.1	88 241.6	1553.3
35	80 201.8	1391.2	80 529.2	1520.2	80 857.1	1649.3	81 185.5	1778.5
40	73 114.1	1623.9	73 452.1	1752.9	73 790.5	1881.9	74 129.5	2011.1
45	66 026.7	1863.9	66 375.2	1992.9	66 724.2	2121.9	67 073.8	2251.1
76 50	58 939.5	2111.3	59 298.5	2240.3	59 658.2	2369.3	60 018.3	2498.4
84 55	51 852.5	2366.1	52 222.1	2495.1	52 592.4	2624.1	52 963.2	2753.2
92								
100 00	744 765.9	2 642 628.3	745 146.0	2 652 757.2	745 527.0	2 662 886.2	745 908.3	2 673 015.3
108 05	37 679.5	2897.9	38 070.2	3026.8	38 461.8	3155.7	38 853.6	3284.8
116 10	30 593.3	3174.8	30 994.7	3303.7	31 396.8	3432.7	31 799.3	3561.7
124 15	23 507.5	3459.2	23 919.5	3588.1	24 332.1	3717.0	24 745.3	3846.0
20	16 422.2	3750.9	16 844.6	3879.8	17 267.8	4008.6	17 691.6	4137.6
25	09 337.0	4050.0	09 770.0	4178.9	10 203.8	4307.7	10 638.1	4436.7
30	702 252.2	4356.5	702 695.7	4485.4	703 140.1	4614.2	703 585.0	4743.1
35	695 167.6	4670.4	695 621.7	4799.2	696 076.7	4928.0	696 532.2	5056.9
40	88 083.4	4991.7	88 548.0	5120.5	89 013.6	5249.2	89 479.8	5378.1
45	80 999.4	5320.4	81 474.7	5449.1	81 950.9	5577.8	82 427.6	5706.7
77 50	73 915.9	5656.4	74 401.7	5785.1	74 888.5	5913.8	75 375.8	6042.6
85 55	66 832.7	5999.9	67 329.2	6128.5	67 826.5	6257.2	68 324.4	6386.0
93								
101 00	659 749.8	2 646 350.7	660 257.0	2 656 479.3	660 764.8	2 666 608.0	661 273.3	2 676 736.7
109 05	52 667.4	6708.9	53 185.1	6837.5	53 703.5	6966.1	54 222.7	7094.8
117 10	45 585.4	7074.5	46 113.6	7203.1	46 642.6	7331.6	47 172.4	7460.3
125 15	38 503.7	7447.4	39 042.4	7576.0	39 582.1	7704.6	40 122.4	7833.2
20	31 422.4	7827.8	31 971.7	7956.4	32 522.0	8084.9	33 072.9	8213.5
25	24 341.6	8215.6	24 901.4	8344.1	25 462.2	8472.5	26 023.8	8601.1
30	617 261.1	2 648 610.7	617 831.5	2 658 739.2	618 402.9	2 668 867.6	618 975.1	2 678 996.1

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 46° 00′.		Lat. 46° 05′.		Lat. 46° 10′.		Lat. 46° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 381 024.9	2 678 996.1	1 380 451.9	2 689 124.6	1 379 878.2	2 699 253.4	1 379 303.7	2 709 382.1
100	35	73 976.2	8601.1	73 413.8	8729.6	72 850.8	8858.4	72 286.8	8987.2
108	40	66 927.1	8213.5	66 375.3	8342.0	65 822.9	8470.9	65 269.6	8599.7
116	45	59 877.6	7833.2	59 336.4	7961.8	58 794.5	8090.7	58 251.9	8219.5
69	50	52 827.6	7460.3	52 297.1	7589.0	51 765.8	7717.9	51 233.9	7846.8
77	55	45 777.3	7094.8	45 257.4	7223.5	44 736.8	7352.4	44 215.5	7481.4
85									
93	00	1 338 726.7	2 676 736.7	1 338 217.4	2 686 865.4	1 337 707.4	2 696 994.4	1 337 196.7	2 707 123.4
101	05	31 675.6	6386.0	31 177.0	6514.8	30 677.6	6643.8	30 177.5	6772.8
109	10	24 624.2	6042.6	24 136.3	6171.4	23 647.5	6300.5	23 158.0	6429.6
117	15	17 572.4	5706.7	17 095.1	5835.5	16 617.0	5964.6	16 138.2	6093.7
	20	10 520.2	5378.1	10 053.5	5507.0	09 586.1	5636.1	09 117.9	5765.2
	25	1 303 467.8	5056.9	1 303 011.7	5185.8	1 302 554.8	5315.0	1 302 097.4	5444.1
	30	1 296 415.0	4743.1	1 295 969.4	4872.0	1 295 523.2	5001.2	1 295 076.5	5130.4
	35	89 361.9	4436.7	88 927.0	4565.7	88 491.3	4694.8	88 055.2	4824.1
	40	82 308.4	4137.6	81 884.2	4266.6	81 459.1	4395.9	81 033.7	4525.2
	45	75 254.7	3846.0	74 841.1	3975.0	74 426.6	4104.3	74 011.9	4233.6
70	50	68 200.7	3561.7	67 797.7	3690.8	67 393.8	3820.1	66 989.7	3949.4
78	55	61 146.4	3284.8	60 753.9	3413.9	60 360.7	3543.2	59 967.2	3672.6
86									
94	00	1 254 091.7	2 673 015.3	1 253 709.9	2 683 144.4	1 253 327.4	2 693 273.8	1 252 944.5	2 703 403.2
102	05	47 036.8	2753.2	46 665.6	2882.3	46 293.8	3011.7	45 921.5	3141.2
110	10	39 981.7	2498.4	39 621.0	2627.6	39 259.8	2757.0	38 898.2	2886.5
118	15	32 926.2	2251.1	32 576.2	2380.3	32 225.6	2509.7	31 874.6	2639.2
	20	25 870.5	2011.1	25 531.1	2140.4	25 191.2	2269.8	24 850.8	2399.3
	25	18 814.5	1778.5	18 485.8	1907.8	18 156.5	2037.2	17 826.7	2166.8
	30	11 758.4	1553.3	11 440.2	1682.6	11 121.5	1812.1	10 802.4	1941.7
	35	1 204 702.0	1335.5	1 204 394.4	1464.8	1 204 086.3	1594.3	1 203 777.9	1724.0
	40	1 197 645.4	1125.0	1 197 348.4	1254.4	1 197 050.9	1383.9	1 196 753.1	1513.6
	45	90 588.5	0922.0	90 302.1	1051.4	90 015.3	1180.9	89 728.1	1310.6
71	50	83 531.4	0726.3	83 255.7	0855.7	82 979.4	0985.3	82 702.9	1115.0
79	55	76 474.2	0538.0	76 209.1	0667.5	75 943.4	0797.0	75 677.5	0926.8
87									
95	00	1 169 416.7	2 670 357.1	1 169 162.2	2 680 486.6	1 168 907.2	2 690 616.2	1 168 652.0	2 700 745.9
103	05	62 359.0	0183.6	62 115.1	0313.1	61 870.7	0442.7	61 626.2	0572.5
111	10	55 301.2	2 670 017.5	55 067.9	2 680 147.0	54 834.2	0276.6	54 600.3	0406.4
119	15	48 243.2	2 669 858.7	48 020.4	2 679 988.2	47 797.4	2 690 117.9	47 574.1	0247.7
	20	41 185.1	9707.3	40 973.0	9836.9	40 760.6	2 689 966.5	40 547.9	2 700 096.4
	25	34 126.8	9563.4	33 925.2	9692.9	33 723.5	9822.6	33 521.4	2 699 952.4
	30	27 068.4	9426.8	26 877.5	9556.3	26 686.3	9686.0	26 494.9	9815.9
	35	20 009.8	9297.5	19 829.5	9427.1	19 648.9	9556.8	19 468.1	9686.7
	40	12 951.1	9175.7	12 781.4	9305.3	12 611.4	9435.0	12 441.3	9564.9
	45	1 105 892.2	9061.3	1 105 733.1	9190.9	1 105 573.8	9320.6	1 105 414.3	9450.5
72	50	1 098 833.3	8954.2	1 098 684.8	9083.8	1 098 536.1	9213.5	1 098 387.2	9343.5
80	55	91 774.2	8854.5	91 636.3	8984.1	91 498.2	9113.9	91 360.0	9243.8
88									
96	00	1 084 715.1	2 668 762.2	1 084 587.8	2 678 891.9	1 084 460.3	2 689 021.6	1 084 332.7	2 699 151.6
104	05	77 655.6	8677.3	77 538.9	8807.0	77 422.1	8936.7	77 305.1	9066.7
112	10	70 596.2	8599.8	70 490.1	8729.4	70 383.9	8859.2	70 277.5	8989.2
120	15	63 536.7	8529.6	63 441.2	8659.3	63 345.6	8789.1	63 249.9	8919.0
	20	56 477.3	8466.9	56 392.4	8596.5	56 307.4	8726.3	56 222.4	8856.3
	25	49 417.8	8411.5	49 343.5	8541.2	49 269.2	8671.0	49 194.8	8800.9
	30	42 358.4	8363.5	42 294.7	8493.2	42 231.0	8623.0	42 167.2	8753.0
	35	35 298.7	8322.9	35 245.6	8452.6	35 192.5	8582.4	35 139.3	8712.4
	40	28 238.9	8289.7	28 196.5	8419.4	28 154.0	8549.1	28 111.5	8679.2
	45	21 179.2	8263.8	21 147.3	8393.5	21 115.5	8523.3	21 083.6	8653.3
73	50	14 119.5	8245.4	14 098.2	8375.1	14 077.0	8504.9	14 055.7	8634.9
81	55	07 059.7	8234.3	07 049.1	8364.0	07 038.5	8493.8	07 027.9	8623.8
89									
97	00	1 000 000.0	2 668 230.6	1 000 000.0	2 678 360.3	1 000 000.0	2 688 490.1	1 000 000.0	2 698 620.1
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 46° 00′.		Lat. 46° 05′.		Lat. 46° 10′.		Lat. 46° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 668 230.6	1 000 000.0	2 678 360.3	1 000 000.0	2 688 490.1	1 000 000.0	2 698 620.1
105	05	992 940.3	8234.3	992 950.9	8364.0	992 961.5	8493.8	992 972.1	8623.8
113	10	85 880.5	8245.4	85 901.8	8375.1	85 923.0	8504.9	85 944.3	8634.9
121	15	78 820.8	8263.8	78 852.7	8393.5	78 884.5	8523.3	78 916.4	8653.3
	20	71 761.1	8289.7	71 803.5	8419.4	71 846.0	8549.1	71 888.5	8679.2
	25	64 701.3	8322.9	64 754.4	8452.6	64 807.5	8582.4	64 860.7	8712.4
	30	57 641.6	8363.5	57 705.3	8493.2	57 769.0	8623.0	57 832.8	8753.0
	35	50 582.2	8411.5	50 656.5	8541.2	50 730.8	8671.0	50 805.2	8800.9
	40	43 522.7	8466.9	43 607.6	8596.5	43 692.6	8726.3	43 777.6	8856.3
	45	36 463.3	8529.6	36 558.8	8659.3	36 654.4	8789.1	36 750.1	8919.0
74	50	29 403.8	8599.8	29 509.9	8729.4	29 616.1	8859.2	29 722.5	8989.2
82	55	22 344.4	8677.3	22 461.1	8807.0	22 577.9	8936.7	22 694.9	9066.7
90									
98	00	915 284.9	2 668 762.2	915 412.2	2 678 891.9	915 539.7	2 689 021.6	915 667.3	2 699 151.6
106	05	08 225.8	8854.5	08 363.7	8984.1	08 501.8	9113.9	08 640.0	9243.8
114	10	901 166.7	8954.2	901 315.2	9083.8	901 463.9	9213.5	901 612.8	9343.5
122	15	894 107.8	9061.3	894 266.9	9190.9	894 426.2	9320.6	894 585.7	9450.5
	20	87 048.9	9175.7	87 218.6	9305.3	87 388.6	9435.0	87 558.7	9564.9
	25	79 990.2	9297.5	80 170.5	9427.1	80 351.1	9556.8	80 531.9	9686.7
	30	72 931.6	9426.8	73 122.5	9556.3	73 313.7	9686.0	73 505.1	9815.9
	35	65 873.2	9563.4	66 074.8	9692.9	66 276.5	9822.6	66 478.6	2 699 952.4
	40	58 814.9	9707.3	59 027.0	9836.9	59 239.4	2 689 966.5	59 452.1	2 700 096.4
	45	51 756.8	2 669 858.7	51 979.6	2 679 988.2	52 202.6	2 690 117.9	52 425.9	0247.7
75	50	44 698.8	2 670 017.5	44 932.1	2 680 147.0	45 165.8	0276.6	45 399.7	0406.4
83	55	37 641.0	0183.6	37 884.9	0313.1	38 129.3	0442.7	38 373.8	0572.5
91									
99	00	830 583.3	2 670 357.1	830 837.8	2 680 486.6	831 092.8	2 690 616.2	831 348.0	2 700 745.9
107	05	23 525.8	0538.0	23 790.9	0667.5	24 056.6	0797.0	24 322.5	0926.8
115	10	16 468.6	0726.3	16 744.3	0855.7	17 020.6	0985.3	17 297.1	1115.0
123	15	09 411.5	0922.0	09 697.9	1051.4	09 984.7	1180.9	10 271.9	1310.6
	20	802 354.6	1125.0	802 651.6	1254.4	802 949.1	1383.9	803 246.9	1513.6
	25	795 298.0	1335.5	795 605.6	1464.8	795 913.7	1594.3	796 222.1	1724.0
	30	88 241.6	1553.3	88 559.8	1682.6	88 878.5	1812.1	89 197.6	1941.7
	35	81 185.5	1778.5	81 514.2	1907.8	81 843.5	2037.2	82 173.3	2166.8
	40	74 129.5	2011.1	74 468.9	2140.4	74 808.8	2269.8	75 149.2	2399.3
	45	67 073.8	2251.1	67 423.8	2380.3	67 774.4	2509.7	68 125.4	2639.2
76	50	60 018.3	2498.4	60 379.0	2627.6	60 740.2	2757.0	61 101.8	2886.5
84	55	52 963.2	2753.2	53 334.4	2882.3	53 706.2	3011.7	54 078.5	3141.2
92									
100	00	745 908.3	2 673 015.3	746 290.1	2 683 144.4	746 672.6	2 693 273.8	747 055.5	2 703 403.2
108	05	38 853.6	3284.8	39 246.1	3413.9	39 639.3	3543.2	40 032.8	3672.6
116	10	31 799.3	3561.7	32 202.3	3690.8	32 606.2	3820.1	33 010.3	3949.4
124	15	24 745.3	3846.0	25 158.9	3975.0	25 573.4	4104.3	25 988.1	4233.6
	20	17 691.6	4137.6	18 115.8	4266.6	18 540.9	4395.9	18 966.3	4525.2
	25	10 638.1	4436.7	11 073.0	4565.7	11 508.7	4694.8	11 944.8	4824.1
	30	703 585.0	4743.1	704 030.6	4872.0	704 476.8	5001.2	704 923.5	5130.4
	35	696 532.2	5056.9	696 988.3	5185.8	697 445.2	5315.0	697 902.6	5444.1
	40	89 479.8	5378.1	89 946.5	5507.0	90 413.9	5636.1	90 882.1	5765.2
	45	82 427.6	5706.7	82 904.9	5835.5	83 383.0	5964.6	83 861.8	6093.7
77	50	75 375.8	6042.6	75 863.7	6171.4	76 352.5	6300.5	76 842.0	6429.6
85	55	68 324.4	6386.0	68 823.0	6514.8	69 322.4	6643.8	69 822.5	6772.8
93									
101	00	661 273.3	2 676 736.7	661 782.6	2 686 865.4	662 292.6	2 696 994.4	662 803.3	2 707 123.4
109	05	54 222.7	7094.8	54 742.6	7223.5	55 263.2	7352.4	55 784.5	7481.4
117	10	47 172.4	7460.3	47 702.9	7589.0	48 234.2	7717.9	48 766.1	7846.8
125	15	40 122.4	7833.2	40 663.6	7961.8	41 205.5	8090.7	41 748.1	8219.5
	20	33 072.9	8213.5	33 624.7	8342.0	34 177.1	8470.9	34 730.4	8599.7
	25	26 023.8	8601.1	26 586.2	8729.6	27 149.2	8858.4	27 713.2	8987.2
	30	618 975.1	2 678 996.1	619 548.1	2 689 124.6	620 121.8	2 699 253.4	620 696.3	2 709 382.1

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 46° 15′.		Lat. 46° 20′.		Lat. 46° 25′.		Lat. 46° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 379 303.7	2 709 382.1	1 378 728.2	2 719 510.9	1 378 151.9	2 729 639.7	1 377 575.0	2 739 768.6
100 35	72 286.8	8987.2	71 722.1	9116.1	71 156.5	9245.0	70 590.3	9373.9
108 40	65 269.6	8599.7	64 715.5	8728.6	64 160.6	8857.5	63 605.1	8986.5
116 45	58 251.9	8219.5	57 708.5	8348.5	57 164.3	8477.5	56 619.5	8606.5
69 50	51 233.9	7846.8	50 701.1	7975.8	50 167.7	8104.8	49 633.5	8233.9
77 55	44 215.5	7481.4	43 693.4	7610.5	43 170.6	7739.6	42 647.1	7868.7
85								
93 00	1 337 196.7	2 707 123.4	1 336 685.3	2 717 252.5	1 336 173.2	2 727 381.7	1 335 660.4	2 737 510.8
101 05	30 177.5	6772.8	29 676.8	6901.9	29 175.4	7031.1	28 673.3	7160.4
109 10	23 158.0	6429.6	22 668.0	6558.8	22 177.1	6688.0	21 685.8	6817.3
117 15	16 138.2	6093.7	15 658.8	6222.9	15 178.5	6352.2	14 698.0	6481.6
20	09 117.9	5765.2	08 649.2	5894.5	08 179.7	6023.8	07 709.8	6153.2
25	1 302 097.4	5444.1	1 301 639.3	5573.5	1 301 180.5	5702.8	1 300 721.1	5832.3
30	1 295 076.5	5130.4	1 294 629.0	5259.8	1 294 180.9	5389.2	1 293 732.2	5518.7
35	88 055.2	4824.1	87 618.4	4953.5	87 181.0	5083.0	86 743.1	5212.5
40	81 033.7	4525.2	80 607.6	4654.6	80 180.8	4784.1	79 753.6	4913.7
45	74 011.9	4233.6	73 596.4	4363.1	73 180.3	4492.6	72 763.7	4622.2
70 50	66 989.7	3949.4	66 584.9	4078.9	66 179.4	4208.5	65 773.6	4338.2
78 55	59 967.2	3672.6	59 573.1	3802.2	59 178.3	3931.8	58 783.2	4061.5
86								
94 00	1 252 944.5	2 703 403.2	1 252 561.0	2 713 532.8	1 252 177.0	2 723 662.4	1 251 792.5	2 733 792.2
102 05	45 921.5	3141.2	45 548.7	3270.8	45 175.3	3400.5	44 801.4	3530.2
110 10	38 898.2	2886.5	38 536.0	3016.2	38 173.2	3145.9	37 810.1	3275.7
118 15	31 874.6	2639.2	31 523.1	2768.9	31 171.0	2898.7	30 818.5	3028.5
20	24 850.8	2399.3	24 509.9	2529.1	24 168.6	2658.8	23 826.7	2788.7
25	17 826.7	2166.8	17 496.5	2296.6	17 165.8	2426.4	16 834.7	2556.3
30	10 802.4	1941.7	10 482.9	2071.5	10 162.8	2201.3	09 842.4	2331.3
35	1 203 777.9	1724.0	1 203 469.1	1853.8	1 203 159.6	1983.6	1 202 849.9	2113.6
40	1 196 753.1	1513.6	1 196 454.9	1643.4	1 196 156.2	1773.3	1 195 857.2	1903.3
45	89 728.1	1310.6	89 440.5	1440.5	89 152.5	1570.4	88 864.2	1700.4
71 50	82 702.9	1115.0	82 426.0	1244.8	82 148.6	1374.8	81 871.0	1504.9
79 55	75 677.5	0926.8	75 411.3	1056.7	75 144.6	1186.7	74 877.6	1316.7
87								
95 00	1 168 652.0	2 700 745.9	1 168 396.3	2 710 875.9	1 168 140.3	2 721 005.9	1 167 884.0	2 731 136.0
103 05	61 626.2	0572.5	61 381.2	0702.4	61 135.8	0832.4	60 890.2	0962.6
111 10	54 600.3	0406.4	54 366.0	0536.4	54 131.2	0666.4	53 896.3	0796.6
119 15	47 574.1	0247.7	47 350.4	0377.7	47 126.4	0507.8	46 902.1	0637.9
20	40 547.9	2 700 096.4	40 334.8	0226.4	40 121.5	0356.5	39 907.9	0486.7
25	33 521.4	2 699 952.4	33 319.0	2 710 082.5	33 116.4	0212.6	32 913.4	0342.8
30	26 494.9	9815.9	26 303.1	2 709 945.9	26 111.2	2 720 076.1	25 918.9	0206.3
35	19 468.1	9686.7	19 287.0	9816.8	19 105.7	2 719 946.9	18 924.1	2 730 077.2
40	12 441.3	9564.9	12 270.9	9695.0	12 100.2	9825.2	11 929.3	2 729 955.4
45	1 105 414.3	9450.5	1 105 254.6	9580.6	1 105 094.4	9710.8	1 104 934.3	9841.1
72 50	1 098 387.2	9343.5	1 098 238.2	9473.6	1 098 088.7	9603.8	1 097 939.2	9734.1
80 55	91 360.0	9243.8	91 221.6	9373.9	91 082.8	9504.2	90 944.0	9634.5
88								
96 00	1 084 332.7	2 699 151.6	1 084 204.9	2 709 281.7	1 084 076.9	2 719 411.9	1 083 948.8	2 729 542.2
104 05	77 305.1	9066.7	77 187.9	9196.8	77 070.6	9327.1	76 953.2	9457.4
112 10	70 277.5	8989.2	70 171.0	9119.3	70 064.4	9249.6	69 957.6	9379.9
120 15	63 249.9	8919.0	63 154.1	9049.2	63 058.1	9179.5	62 962.0	9309.8
20	56 222.4	8856.3	56 137.2	8986.5	56 051.8	9116.7	55 966.4	9247.1
25	49 194.8	8800.9	49 120.2	8931.1	49 045.6	9061.4	48 970.8	9191.8
30	42 167.2	8753.0	42 103.3	8883.1	42 039.3	9013.4	41 975.2	9143.8
35	35 139.3	8712.4	35 086.1	8842.6	35 032.8	8972.8	34 979.3	9103.2
40	28 111.5	8679.2	28 068.9	8809.3	28 026.2	8939.6	27 983.5	9070.0
45	21 083.6	8653.3	21 051.6	8783.5	21 019.7	8913.8	20 987.6	9044.2
73 50	14 055.7	8634.9	14 034.4	8765.1	14 013.1	8895.4	13 991.7	9025.8
81 55	07 027.9	8623.8	07 017.2	8754.0	07 006.6	8884.3	06 995.9	9014.7
89								
97 00	1 000 000.0	2 698 620.1	1 000 000.0	2 708 750.3	1 000 000.0	2 718 880.6	1 000 000.0	2 729 011.0
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 46° 15′.		Lat. 46° 20′.		Lat. 46° 25′.		Lat. 46° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 698 620.1	1 000 000.0	2 708 750.3	1 000 000.0	2 718 880.6	1 000 000.0	2 729 011.0
105	05	992 972.1	8623.8	992 982.8	8754.0	992 993.4	8884.3	993 004.1	9014.7
113	10	85 944.3	8634.9	85 965.6	8765.1	85 986.9	8895.4	86 008.3	9025.8
121	15	78 916.4	8653.3	78 948.4	8783.5	78 980.3	8913.8	79 012.4	9044.2
	20	71 888.5	8679.2	71 931.1	8809.3	71 973.8	8939.6	72 016.5	9070.0
	25	64 860.7	8712.4	64 913.9	8842.6	64 967.2	8972.8	65 020.7	9103.2
	30	57 832.8	8753.0	57 896.7	8883.1	57 960.7	9013.4	58 024.8	9143.8
	35	50 805.2	8800.9	50 879.8	8931.1	50 954.4	9061.4	51 029.2	9191.8
	40	43 777.6	8856.3	43 862.8	8986.5	43 948.2	9116.7	44 033.6	9247.1
	45	36 750.1	8919.0	36 845.9	9049.2	36 941.9	9179.5	37 038.0	9309.8
74	50	29 722.5	8989.2	29 829.0	9119.3	29 935.6	9249.6	30 042.4	9379.9
82	55	22 694.9	9066.7	22 812.1	9196.8	22 929.4	9327.1	23 046.8	9457.4
90									
98	00	915 667.3	2 699 151.6	915 795.1	2 709 281.7	915 923.1	2 719 411.9	916 051.2	2 729 542.2
106	05	08 640.0	9243.8	08 778.4	9373.9	08 917.2	9504.2	09 056.0	9634.5
114	10	901 612.8	9343.5	901 761.8	9473.6	901 911.3	9603.8	902 060.8	9734.1
122	15	894 585.7	9450.5	894 745.4	9580.6	894 905.6	9710.8	895 065.7	9841.1
	20	87 558.7	9564.9	87 729.1	9695.0	87 899.8	9825.2	88 070.7	2 729 955.4
	25	80 531.9	9686.7	80 713.0	9816.8	80 894.3	2 719 946.9	81 075.9	2 730 077.2
	30	73 505.1	9815.9	73 696.9	2 709 945.9	73 888.8	2 720 076.1	74 081.1	0206.3
	35	66 478.6	2 699 952.4	66 681.0	2 710 082.5	66 883.6	0212.6	67 086.6	0342.8
	40	59 452.1	2 700 096.4	59 665.2	0226.4	59 878.5	0356.5	60 092.1	0486.7
	45	52 425.9	0247.7	52 649.6	0377.7	52 873.6	0507.8	53 097.9	0637.9
75	50	45 399.7	0406.4	45 634.0	0536.4	45 868.8	0666.4	46 103.7	0796.6
83	55	38 373.8	0572.5	38 618.8	0702.4	38 864.2	0832.4	39 109.8	0962.6
91									
99	00	831 348.0	2 700 745.9	831 603.7	2 710 875.9	831 859.7	2 721 005.9	832 116.0	2 731 136.0
107	05	24 322.5	0926.8	24 588.7	1056.7	24 855.4	1186.7	25 122.4	1316.7
115	10	17 297.1	1115.0	17 574.0	1244.8	17 851.4	1374.8	18 129.0	1504.9
123	15	10 271.9	1310.6	10 559.5	1440.5	10 847.5	1570.4	11 135.8	1700.4
	20	803 246.9	1513.6	803 545.1	1643.4	803 843.8	1773.3	804 142.8	1903.3
	25	796 222.1	1724.0	796 530.9	1853.8	796 840.4	1983.6	797 150.1	2113.6
	30	89 197.6	1941.7	89 517.1	2071.5	89 837.2	2201.3	90 157.6	2331.3
	35	82 173.3	2166.8	82 503.5	2296.6	82 834.2	2426.4	83 165.3	2556.3
	40	75 149.2	2399.3	75 490.1	2529.1	75 831.4	2658.8	76 173.3	2788.7
	45	68 125.4	2639.2	68 476.9	2768.9	68 829.0	2898.7	69 181.5	3028.5
76	50	61 101.8	2886.5	61 464.0	3016.2	61 826.8	3145.9	62 189.9	3275.7
84	55	54 078.5	3141.2	54 451.3	3270.8	54 824.7	3400.5	55 198.6	3530.2
92									
100	00	747 055.5	2 703 403.2	747 439.0	2 713 532.8	747 823.0	2 723 662.4	748 207.5	2 733 792.2
108	05	40 032.8	3672.6	40 426.9	3802.2	40 821.7	3931.8	41 216.8	4061.5
116	10	33 010.3	3949.4	33 415.1	4078.9	33 820.6	4208.5	34 226.4	4338.2
124	15	25 988.1	4233.6	26 403.6	4363.1	26 819.7	4492.6	27 236.3	4622.2
	20	18 966.3	4525.2	19 392.4	4654.6	19 819.2	4784.1	20 246.4	4913.7
	25	11 944.8	4824.1	12 381.6	4953.5	12 819.0	5083.0	13 256.9	5212.5
	30	704 923.5	5130.4	705 371.0	5259.8	705 819.1	5389.2	706 267.8	5518.7
	35	697 902.6	5444.1	698 360.7	5573.5	698 819.5	5702.8	699 278.9	5832.3
	40	90 882.1	5765.2	91 350.8	5894.5	91 820.3	6023.8	92 290.2	6153.2
	45	83 861.8	6093.7	84 341.2	6222.9	84 821.5	6352.2	85 302.0	6481.6
77	50	76 842.0	6429.6	77 332.0	6558.8	77 822.9	6688.0	78 314.2	6817.3
85	55	69 822.5	6772.8	70 323.2	6901.9	70 824.6	7031.1	71 326.7	7160.4
93									
101	00	662 803.3	2 707 123.4	663 314.7	2 717 252.5	663 826.8	2 727 381.7	664 339.6	2 737 510.8
109	05	55 784.5	7481.4	56 306.6	7610.5	56 829.4	7739.6	57 352.9	7868.7
117	10	48 766.1	7846.8	49 298.9	7975.8	49 832.3	8104.8	50 366.5	8233.9
125	15	41 748.1	8219.5	42 291.5	8348.5	42 835.7	8477.5	43 380.5	8606.5
	20	34 730.4	8599.7	35 284.5	8728.6	35 839.4	8857.5	36 394.9	8986.5
	25	27 713.2	8987.2	28 277.9	9116.1	28 843.5	9245.0	29 409.7	9373.9
	30	620 696.3	2 709 382.1	621 271.8	2 719 510.9	621 848.1	2 729 639.7	622 425.0	2 739 768.6

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 46° 30′.		Lat. 46° 35′.		Lat. 46° 40′.		Lat. 46° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 377 575.0	2 739 768.6	1 376 997.2	2 749 897.6	1 376 418.7	2 760 026.5	1 375 839.3	2 770 155.6
100 35	70 590.3	9373.9	70 023.2	9502.9	69 455.4	2 759 631.9	68 886.6	2 769 761.1
108 40	63 605.1	8986.5	63 048.9	9115.6	62 491.7	9244.7	61 933.6	9373.9
116 45	56 619.5	8606.5	56 073.9	8735.7	55 527.5	8864.8	54 980.2	8994.1
69 50	49 633.5	8233.9	49 098.6	8363.1	48 562.9	8492.3	48 026.3	8621.7
77 55	42 647.1	7868.7	42 122.9	7998.0	41 597.9	8127.2	41 072.1	8256.6
85								
93 00	1 335 660.4	2 737 510.8	1 335 146.9	2 747 640.2	1 334 632.6	2 757 769.5	1 334 117.6	2 767 898.9
101 05	28 673.3	7160.4	28 170.5	7289.7	27 666.9	7419.1	27 162.6	7548.6
109 10	21 685.8	6817.3	21 193.7	6946.7	20 700.9	7076.1	20 207.3	7205.7
117 15	14 698.0	6481.6	14 216.5	6611.0	13 734.7	6740.5	13 251.6	6870.2
20	07 709.8	6153.2	07 239.0	6282.8	1 306 768.0	6412.3	1 306 295.5	6542.0
25	1 300 721.1	5832.3	1 300 261.2	5961.8	1 299 800.9	6091.4	1 299 339.1	6221.2
30	1 293 732.2	5518.7	1 293 283.0	5648.3	92 833.4	5777.9	92 382.4	5907.8
35	86 743.1	5212.5	86 304.5	5342.2	85 865.5	5471.8	85 425.3	5601.7
40	79 753.6	4913.7	79 325.6	5043.4	78 897.4	5173.1	78 467.9	5303.0
45	72 763.7	4622.2	72 346.5	4752.0	71 929.1	4881.7	71 510.3	5011.7
70 50	65 773.6	4338.2	65 367.1	4468.0	64 960.4	4597.8	64 552.3	4727.8
78 55	58 783.2	4061.5	58 387.4	4191.3	57 991.4	4321.2	57 594.0	4451.2
86								
94 00	1 251 792.5	2 733 792.2	1 251 407.4	2 743 922.0	1 251 022.0	2 754 051.9	1 250 635.4	2 764 182.1
102 05	44 801.4	3530.2	44 427.0	3660.1	44 052.4	3790.1	43 676.6	3920.3
110 10	37 810.1	3275.7	37 446.4	3405.6	37 082.5	3535.6	36 717.4	3665.8
118 15	30 818.5	3028.5	30 465.5	3158.5	30 112.4	3288.5	29 758.0	3418.8
20	23 826.7	2788.7	23 484.4	2918.7	23 142.0	3048.8	22 798.4	3179.1
25	16 834.7	2556.3	16 503.1	2686.4	16 171.3	2816.5	15 838.5	2946.8
30	09 842.4	2331.3	09 521.5	2461.3	09 200.4	2591.5	08 878.3	2721.9
35	1 202 849.9	2113.6	1 202 539.7	2243.7	1 202 229.3	2373.9	1 201 918.0	2504.3
40	1 195 857.2	1903.3	1 195 557.7	2033.5	1 195 258.0	2163.7	1 194 957.4	2294.1
45	88 864.2	1700.4	88 575.4	1830.6	88 286.4	1960.9	87 996.5	2091.3
71 50	81 871.0	1504.9	81 592.9	1635.1	81 314.6	1765.4	81 035.5	1895.9
79 55	74 877.6	1316.7	74 610.2	1447.0	74 342.6	1577.3	74 074.2	1707.8
87								
95 00	1 167 884.0	2 731 136.0	1 167 627.3	2 741 266.2	1 167 370.5	2 751 396.6	1 167 112.8	2 761 527.1
103 05	60 890.2	0962.6	60 644.2	1092.9	60 398.1	1223.3	60 151.1	1353.8
111 10	53 896.3	0796.6	53 661.0	0926.9	53 425.6	1057.3	53 189.4	1187.9
119 15	46 902.1	0637.9	46 677.5	0768.3	46 452.8	0898.7	46 227.4	1029.3
20	39 907.9	0486.7	39 694.0	0617.0	39 480.0	0747.5	39 265.3	0878.2
25	32 913.4	0342.8	32 710.2	0473.2	32 506.9	0603.7	32 302.9	0734.3
30	25 918.9	0206.3	25 726.4	0336.7	25 533.7	0467.2	25 340.5	0597.9
35	18 924.1	2 730 077.2	18 742.3	0207.6	18 560.3	0338.1	18 377.9	0468.9
40	11 929.3	2 729 955.4	11 758.2	2 740 085.9	11 586.9	0216.4	11 415.2	0347.2
45	1 104 934.3	9841.1	1 104 773.9	2 739 971.5	1 104 613.3	2 750 102.1	1 104 452.3	0232.9
72 50	1 097 939.2	9734.1	1 097 789.5	9864.6	1 097 639.7	2 749 995.1	1 097 489.4	0125.9
80 55	90 944.0	9634.5	90 805.0	9765.0	90 665.9	9895.6	90 526.3	2 760 026.4
88								
96 00	1 083 948.8	2 729 542.2	1 083 820.4	2 739 672.8	1 083 692.0	2 749 803.4	1 083 563.2	2 759 934.2
104 05	76 953.2	9457.4	76 835.5	9587.9	76 717.8	9718.5	76 599.7	9849.4
112 10	69 957.6	9379.9	69 850.6	9510.5	69 743.6	9641.1	69 636.3	9771.9
120 15	62 962.0	9309.8	62 865.7	9440.4	62 769.4	9571.0	62 672.8	9701.9
20	55 966.4	9247.1	55 880.8	9377.7	55 795.2	9508.3	55 709.3	9639.2
25	48 970.8	9191.8	48 895.9	9322.3	48 821.0	9453.0	48 745.9	9583.9
30	41 975.2	9143.8	41 911.0	9274.4	41 846.8	9405.1	41 782.4	9535.9
35	34 979.3	9103.2	34 925.8	9233.8	34 872.3	9364.5	34 818.7	9495.4
40	27 983.5	9070.0	27 940.7	9200.6	27 897.9	9331.3	27 854.9	9462.2
45	20 987.6	9044.2	20 955.5	9174.8	20 923.4	9305.5	20 891.2	9436.4
73 50	13 991.7	9025.8	13 970.3	9156.4	13 948.9	9287.1	13 927.5	9417.9
81 55	06 995.9	9014.7	06 985.2	9145.3	06 974.5	9276.0	06 963.7	9406.9
89								
97 00	1 000 000.0	2 729 011.0	1 000 000.0	2 739 141.6	1 000 000.0	2 749 272.3	1 000 000.0	2 759 403.2
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 46° 30′.		Lat. 46° 35′.		Lat. 46° 40′.		Lat. 46° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 729 011.0	1 000 000.0	2 739 141.6	1 000 000.0	2 749 272.3	1 000 000.0	2 759 403.2
105	05	993 004.1	9014.7	993 014.8	9145.3	993 025.5	9276.0	993 036.3	9406.9
113	10	86 008.3	9025.8	86 029.7	9156.4	86 051.1	9287.1	86 072.5	9417.9
121	15	79 012.4	9044.2	79 044.5	9174.8	79 076.6	9305.5	79 108.8	9436.4
	20	72 016.5	9070.0	72 059.3	9200.6	72 102.1	9331.3	72 145.1	9462.2
	25	65 020.7	9103.2	65 074.2	9233.8	65 127.7	9364.5	65 181.3	9495.4
	30	58 024.8	9143.8	58 089.0	9274.4	58 153.2	9405.1	58 217.6	9535.9
	35	51 029.2	9191.8	51 104.1	9322.3	51 179.0	9453.0	51 254.1	9583.9
	40	44 033.6	9247.1	44 119.2	9377.7	44 204.8	9508.3	44 290.7	9639.2
	45	37 038.0	9309.8	37 134.3	9440.4	37 230.6	9571.0	37 327.2	9701.9
74	50	30 042.4	9379.9	30 149.4	9510.5	30 256.4	9641.1	30 363.7	9771.9
82	55	23 046.8	9457.4	23 164.5	9587.9	23 282.2	9718.5	23 400.3	9849.4
90									
98	00	916 051.2	2 729 542.2	916 179.6	2 739 672.8	916 308.0	2 749 803.4	916 436.8	2 759 934.2
106	05	09 056.0	9634.5	09 195.0	9765.0	09 334.1	9895.6	09 473.7	2 760 026.4
114	10	902 060.8	9734.1	902 210.5	9864.6	902 360.3	2 749 995.1	902 510.6	0125.9
122	15	895 065.7	9841.1	895 226.1	2 739 971.5	895 386.7	2 750 102.1	895 547.7	0232.9
	20	88 070.7	2 729 955.4	88 241.8	2 740 085.9	88 413.1	0216.4	88 584.8	0347.2
	25	81 075.9	2 730 077.2	81 257.7	0207.6	81 439.7	0338.1	81 622.1	0468.9
	30	74 081.1	0206.3	74 273.6	0336.7	74 466.3	0467.2	74 659.5	0597.9
	35	67 086.6	0342.8	67 289.8	0473.2	67 493.1	0603.7	67 697.1	0734.3
	40	60 092.1	0486.7	60 306.0	0617.0	60 520.0	0747.5	60 734.7	0878.2
	45	53 097.9	0637.9	53 322.5	0768.3	53 547.2	0898.7	53 772.6	1029.3
75	50	46 103.7	0796.6	46 339.0	0926.9	46 574.4	1057.3	46 810.6	1187.9
83	55	39 109.8	0962.6	39 355.8	1092.9	39 601.9	1223.3	39 848.9	1353.8
91									
99	00	832 116.0	2 731 136.0	832 372.7	2 741 266.2	832 629.5	2 751 396.6	832 887.2	2 761 527.1
107	05	25 122.4	1316.7	25 389.8	1447.0	25 657.4	1577.3	25 925.8	1707.8
115	10	18 129.0	1504.9	18 407.1	1635.1	18 685.4	1765.4	18 964.5	1895.9
123	15	11 135.8	1700.4	11 424.6	1830.6	11 713.6	1960.9	12 003.5	2091.3
	20	804 142.8	1903.3	804 442.3	2033.5	804 742.0	2163.7	805 042.6	2294.1
	25	797 150.1	2113.6	797 460.3	2243.7	797 770.7	2373.9	798 082.0	2504.3
	30	90 157.6	2331.3	90 478.5	2461.3	90 799.6	2591.5	91 121.7	2721.9
	35	83 165.3	2556.3	83 496.9	2686.4	83 828.7	2816.5	84 161.5	2946.8
	40	76 173.3	2788.7	76 515.6	2918.7	76 858.0	3048.8	77 201.6	3179.1
	45	69 181.5	3028.5	69 534.5	3158.5	69 887.6	3288.5	70 242.0	3418.8
76	50	62 189.9	3275.7	62 553.6	3405.6	62 917.5	3535.6	63 282.6	3665.8
84	55	55 198.6	3530.2	55 573.0	3660.1	55 947.6	3790.1	56 323.4	3920.3
92									
100	00	748 207.5	2 733 792.2	748 592.6	2 743 922.0	748 978.0	2 754 051.9	749 364.6	2 764 182.1
108	05	41 216.8	4061.5	41 612.6	4191.3	42 008.6	4321.2	42 406.0	4451.2
116	10	34 226.4	4338.2	34 632.9	4468.0	35 039.6	4597.8	35 447.7	4727.8
124	15	27 236.3	4622.2	27 653.5	4752.0	28 070.9	4881.7	28 489.7	5011.7
	20	20 246.4	4913.7	20 674.4	5043.4	21 102.6	5173.1	21 532.1	5303.0
	25	13 256.9	5212.5	13 695.5	5342.2	14 134.5	5471.8	14 574.7	5601.7
	30	706 267.8	5518.7	706 717.0	5648.3	07 166.6	5777.9	07 617.6	5907.8
	35	699 278.9	5832.3	699 738.8	5961.8	700 199.1	6091.4	700 660.9	6221.2
	40	92 290.2	6153.2	92 761.0	6282.8	693 232.0	6412.3	693 704.5	6542.0
	45	85 302.0	6481.6	85 783.5	6611.0	86 265.3	6740.5	86 748.4	6870.2
77	50	78 314.2	6817.3	78 806.3	6946.7	79 299.1	7076.1	79 792.7	7205.7
85	55	71 326.7	7160.4	71 829.5	7289.7	72 333.1	7419.1	72 837.4	7548.6
93									
101	00	664 339.6	2 737 510.8	664 853.1	2 747 640.2	665 367.4	2 757 769.5	665 882.4	2 767 898.9
109	05	57 352.9	7868.7	57 877.1	7998.0	58 402.1	8127.2	58 927.9	8256.6
117	10	50 366.5	8233.9	50 901.4	8363.1	51 437.1	8492.3	51 973.7	8621.7
125	15	43 380.5	8606.5	43 926.1	8735.7	44 472.5	8864.8	45 019.8	8994.1
	20	36 394.9	8986.5	36 951.1	9115.6	37 508.3	9244.7	38 066.4	9373.9
	25	29 409.7	9373.9	29 976.8	9502.9	30 544.6	2 759 631.9	31 113.4	2 769 761.1
	30	622 425.0	2 739 768.6	623 002.8	2 749 897.6	623 581.3	2 760 026.5	624 160.7	2 770 155.6

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 46° 45′.		Lat. 46° 50′.		Lat. 46° 55′.		Lat. 47° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 375 839.3	2 770 155.6	1 375 259.1	2 780 284.8	1 374 678.0	2 790 414.0	1 374 096.3	2 800 543.4
100 35	68 886.6	2 769 761.1	68 317.3	2 779 890.3	67 746.9	2 790 019.6	67 176.0	2 800 149.0
108 40	61 933.6	9373.9	61 375.0	9503.2	60 815.5	2 789 632.5	60 255.3	2 799 762.1
116 45	54 980.2	8994.1	54 432.3	9123.5	53 883.6	9252.9	53 334.2	9382.5
69 50	48 026.3	8621.7	47 489.3	8751.1	46 951.3	8880.6	46 412.7	9010.3
77 55	41 072.1	8256.6	40 545.8	8386.1	40 018.6	8515.7	39 490.8	8645.4
85								
93 00	1 334 117.6	2 767 898.9	1 333 601.9	2 778 028.5	1 333 085.5	2 788 158.1	1 332 568.5	2 798 287.9
101 05	27 162.6	7548.6	26 657.7	7678.3	26 152.1	7807.9	25 645.8	7937.8
109 10	20 207.3	7205.7	19 713.1	7335.4	19 218.3	7465.1	18 722.8	7595.1
117 15	13 251.6	6870.2	12 768.1	6999.9	12 284.1	7129.7	11 799.4	7259.7
20	1 306 295.5	6542.0	1 305 822.8	6671.8	1 305 349.6	6801.6	1 304 875.6	6931.8
25	1 299 339.1	6221.2	1 298 877.2	6351.0	1 298 414.7	6481.0	1 297 951.5	6611.1
30	92 382.4	5907.8	91 931.3	6037.7	91 479.4	6167.7	91 027.0	6297.9
35	85 425.3	5601.7	84 985.0	5731.7	84 543.9	5861.7	84 102.2	5992.0
40	78 467.9	5303.0	78 038.4	5433.1	77 608.0	5563.1	77 177.1	5693.5
45	71 510.3	5011.7	71 091.5	5141.8	70 671.9	5271.9	70 251.7	5402.3
70 50	64 552.3	4727.8	64 144.2	4857.9	63 735.4	4988.1	63 326.0	5118.6
78 55	57 594.0	4451.2	57 196.6	4581.4	56 798.6	4711.7	56 400.0	4842.2
86								
94 00	1 250 635.4	2 764 182.1	1 250 248.7	2 774 312.3	1 249 861.5	2 784 442.6	1 249 473.8	2 794 573.2
102 05	43 676.6	3920.3	43 300.6	4050.5	42 924.1	4180.9	42 547.2	4311.5
110 10	36 717.4	3665.8	36 352.3	3796.2	35 986.5	3926.5	35 620.3	4057.2
118 15	29 758.0	3418.8	29 403.6	3549.1	29 048.6	3679.6	28 693.2	3810.3
20	22 798.4	3179.1	22 454.7	3309.5	22 110.5	3440.0	21 765.8	3570.8
25	15 838.5	2946.8	15 505.6	3077.2	15 172.1	3207.8	14 838.2	3338.6
30	08 878.3	2721.9	08 556.2	2852.4	08 233.4	2982.9	07 910.3	3113.8
35	1 201 918.0	2504.3	1 201 606.5	2634.8	1 201 294.5	2765.4	1 200 982.2	2896.3
40	1 194 957.4	2294.1	1 194 656.6	2424.7	1 194 355.4	2555.3	1 194 053.9	2686.3
45	87 996.5	2091.3	87 706.5	2221.9	87 416.1	2352.6	87 125.4	2483.6
71 50	81 035.5	1895.9	80 756.3	2026.5	80 476.6	2157.3	80 196.6	2288.3
79 55	74 074.2	1707.8	73 805.8	1838.5	73 536.8	1969.3	73 267.6	2100.3
87								
95 00	1 167 112.8	2 761 527.1	1 166 855.1	2 771 657.9	1 166 597.0	2 781 788.7	1 166 338.4	2 791 919.7
103 05	60 151.1	1353.8	59 904.1	1484.6	59 656.9	1615.4	59 409.0	1746.5
111 10	53 189.4	1187.9	52 953.1	1318.7	52 716.4	1449.5	52 479.5	1580.7
119 15	46 227.4	1029.3	46 001.8	1160.1	45 775.8	1291.0	45 549.8	1422.2
20	39 265.3	0878.2	39 050.4	1009.0	38 835.3	1139.9	38 620.0	1271.1
25	32 302.9	0734.3	32 098.8	0865.2	31 894.4	0996.2	31 689.9	1127.4
30	25 340.5	0597.9	25 147.1	0728.8	24 953.6	0859.8	24 759.8	0991.0
35	18 377.9	0468.9	18 195.2	0599.8	18 012.4	0730.8	17 829.4	0862.1
40	11 415.2	0347.2	11 243.3	0478.1	11 071.3	0609.1	10 899.0	0740.4
45	1 104 452.3	0232.9	1 104 291.2	0363.8	1 104 129.9	0494.9	1 103 968.4	0626.2
72 50	1 097 489.4	0125.9	1 097 339.0	0256.9	1 097 188.5	0388.0	1 097 037.7	0519.3
80 55	90 526.3	2 760 026.4	90 386.7	0157.4	90 246.9	0288.4	90 106.9	0419.8
88								
96 00	1 083 563.2	2 759 934.2	1 083 434.3	2 770 065.2	1 083 305.2	2 780 196.3	1 083 176.0	2 790 327.7
104 05	76 599.7	9849.4	76 481.6	2 769 980.4	76 363.3	0111.5	76 244.8	0242.9
112 10	69 636.3	9771.9	69 528.7	9903.0	69 421.3	2 780 034.1	69 313.6	0165.5
120 15	62 672.8	9701.9	62 576.2	9832.9	62 479.4	2 779 964.1	62 382.4	0095.5
20	55 709.3	9639.2	55 623.4	9770.3	55 537.4	9901.4	55 451.2	2 790 032.9
25	48 745.9	9583.9	48 670.7	9714.9	48 595.5	9846.1	48 520.0	2 789 977.6
30	41 782.4	9535.9	41 718.0	9667.0	41 653.5	9798.2	41 588.8	9929.7
35	34 818.7	9495.4	34 765.0	9626.5	34 711.3	9757.7	34 657.3	9889.1
40	27 854.9	9462.2	27 812.0	9593.3	27 769.0	9724.5	27 725.9	9856.0
45	20 891.2	9436.4	20 859.0	9567.5	20 826.8	9698.7	20 794.4	9830.2
73 50	13 927.5	9417.9	13 906.0	9549.0	13 884.5	9680.2	13 862.9	9811.7
81 55	06 963.7	9406.9	06 953.0	9538.0	06 942.3	9669.2	06 931.5	9800.7
89								
97 00	1 000 000.0	2 759 403.2	1 000 000.0	2 769 534.3	1 000 000.0	2 779 665.5	1 000;000.0	2 789 797.0
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 46° 45′.		Lat. 46° 50′.		Lat. 46° 55′.		Lat. 47° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 759 403.2	1 000 000.0	2 769 534.3	1 000 000.0	2 779 665.5	1 000 000.0	2 789 797.0
105	05	993 036.3	9406.9	993 047.0	9538.0	993 057.7	9669.2	993 068.5	9800.7
113	10	86 072.5	9417.9	86 094.0	9549.0	86 115.5	9680.2	86 137.1	9811.7
121	15	79 108.8	9436.4	79 141.0	9567.5	79 173.2	9698.7	79 205.6	9830.2
	20	72 145.1	9462.2	72 188.0	9593.3	72 231.0	9724.5	72 274.1	9856.0
	25	65 181.3	9495.4	65 235.0	9626.5	65 288.7	9757.7	65 342.7	9889.1
	30	58 217.6	9535.9	58 282.0	9667.0	58 346.5	9798.2	58 411.2	9929.7
	35	51 254.1	9583.9	51 329.3	9714.9	51 404.5	9846.1	51 480.0	2 789 977.6
	40	44 290.7	9639.2	44 376.6	9770.3	44 462.6	9901.4	44 548.8	2 790 032.9
	45	37 327.2	9701.9	37 423.8	9832.9	37 520.6	2 779 964.1	37 617.6	0095.5
74	50	30 363.7	9771.9	30 471.3	9903.0	30 578.7	2 780 034.1	30 686.4	0165.5
82	55	23 400.3	9849.4	23 518.4	2 769 980.4	23 636.7	0111.5	23 755.2	0242.9
90									
98	00	916 436.8	2 759 934.2	916 565.7	2 770 065.2	916 694.8	2 780 196.3	916 824.0	2 790 327.7
106	05	09 473.7	2 760 026.4	09 613.3	0157.4	09 753.1	0288.4	09 893.1	0419.8
114	10	902 510.6	0125.9	902 661.0	0256.9	902 811.5	0388.0	902 962.3	0519.3
122	15	895 547.7	0232.9	895 708.8	0363.8	895 870.1	0494.9	896 031.6	0626.2
	20	88 584.8	0347.2	88 756.7	0478.1	88 928.7	0609.1	89 101.0	0740.4
	25	81 622.1	0468.9	81 804.8	0599.8	81 987.6	0730.8	82 170.6	0862.1
	30	74 659.5	0597.9	74 852.9	0728.8	75 046.4	0859.8	75 240.2	0991.0
	35	67 697.1	0734.3	67 901.2	0865.2	68 105.6	0996.2	68 310.1	1127.4
	40	60 734.7	0878.2	60 949.6	1009.0	61 164.7	1139.9	61 380.0	1271.1
	45	53 772.6	1029.3	53 998.2	1160.1	54 224.2	1291.0	54 450.2	1422.2
75	50	46 810.6	1187.9	47 046.9	1318.7	47 283.6	1449.5	47 520.5	1580.7
83	55	39 848.9	1353.8	40 095.9	1484.6	40 343.1	1615.4	40 591.0	1746.5
91									
99	00	832 887.2	2 761 527.1	833 144.9	2 771 657.9	833 403.0	2 781 788.7	833 661.6	2 791 919.7
107	05	25 925.8	1707.8	26 194.2	1838.5	26 463.2	1969.3	26 732.4	2100.3
115	10	18 964.5	1895.9	19 243.7	2026.5	19 523.4	2157.3	19 803.4	2288.3
123	15	12 003.5	2091.3	12 293.5	2221.9	12 583.9	2352.6	12 874.6	2483.6
	20	805 042.6	2294.1	805 343.4	2424.7	805 644.6	2555.3	805 946.1	2686.3
	25	798 082.0	2504.8	798 393.5	2634.8	798 705.5	2765.4	799 017.8	2896.3
	30	91 121.7	2721.9	91 443.8	2852.4	91 766.6	2982.9	92 089.7	3113.8
	35	84 161.5	2946.8	84 494.4	3077.2	84 827.9	3207.8	85 161.8	3338.6
	40	77 201.6	3179.1	77 545.3	3309.5	77 889.5	3440.0	78 234.2	3570.8
	45	70 242.0	3418.8	70 596.4	3549.1	70 951.4	3679.6	71 306.8	3810.3
76	50	63 282.6	3665.8	63 647.7	3796.2	64 013.5	3926.5	64 379.7	4057.2
84	55	56 323.4	3920.3	56 699.4	4050.5	57 075.9	4180.9	57 452.8	4311.5
92									
100	00	749 364.6	2 764 182.1	749 751.3	2 774 312.3	750 138.5	2 784 442.6	750 526.2	2 794 573.2
108	05	42 406.0	4451.2	42 803.4	4581.4	43 201.4	4711.7	43 600.0	4842.2
116	10	35 447.7	4727.8	35 855.8	4857.9	36 264.6	4988.1	36 674.0	5118.6
124	15	28 489.7	5011.7	28 908.5	5141.8	29 328.1	5271.9	29 748.3	5402.3
	20	21 532.1	5303.0	21 961.6	5433.1	22 392.0	5563.1	22 822.9	5693.5
	25	14 574.7	5601.7	15 015.0	5731.7	15 456.1	5861.7	15 897.8	5992.0
	30	07 617.6	5907.8	08 068.7	6037.7	08 520.6	6167.7	08 973.0	6297.9
	35	700 660.9	6221.2	701 122.8	6351.0	701 585.3	6481.0	702 048.5	6611.1
	40	693 704.5	6542.0	694 177.2	6671.8	694 650.4	6801.6	695 124.4	6931.8
	45	86 748.4	6870.2	87 231.9	6999.9	87 715.9	7129.7	88 200.6	7259.7
77	50	79 792.7	7205.7	80 286.9	7335.4	80 781.7	7465.1	81 277.2	7595.1
85	55	72 837.4	7548.6	73 342.3	7678.3	73 847.9	7807.9	74 354.2	7937.8
93									
101	00	665 882.4	2 767 893.9	666 398.1	2 778 028.5	666 914.5	2 788 158.1	667 431.5	2 798 287.9
109	05	58 927.9	8256.6	59 454.2	8386.1	59 981.4	8515.7	60 509.2	8645.4
117	10	51 973.7	8621.7	52 510.7	8751.1	53 048.7	8880.6	53 587.3	9010.3
125	15	45 019.8	8994.1	45 567.7	9123.5	46 116.4	9252.9	46 665.8	9382.5
	20	38 066.4	9373.9	38 625.0	9503.2	39 184.5	2 789 632.5	39 744.7	2 799 762.1
	25	31 113.4	2 769 761.1	31 682.7	2 779 890.3	32 253.1	2 790 019.6	32 824.0	2 800 149.0
	30	624 160.7	2 770 155.6	624 740.9	2 780 284.8	625 322.0	2 790 414.0	625 903.7	2 800 543.4

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 47° 00′.		Lat. 47° 05′.		Lat. 47° 10′.		Lat. 47° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 374 096.3	2 800 543.4	1 373 513.7	2 810 672.6	1 372 930.3	2 820 802.0	1 372 346.2	2 830 931.4
100	35	67 176.0	2 800 149.0	66 604.1	2 810 278.4	66 031.6	0407.8	65 458.3	0537.4
108	40	60 255.3	2 799 762.1	59 694.2	2 809 891.5	59 132.5	2 820 021.0	58 570.0	2 830 150.7
116	45	53 334.2	9382.5	52 783.9	9512.0	52 233.0	2 819 641.6	51 681.3	2 829 771.3
69	50	46 412.7	9010.3	45 873.1	9139.9	45 333.1	9269.5	44 792.2	9399.3
77	55	39 490.8	8645.4	38 962.0	8775.1	38 432.8	8904.9	37 902.7	9034.7
85									
93	00	1 332 568.5	2 798 287.9	1 332 050.5	2 808 417.7	1 331 532.1	2 818 547.5	1 331 012.8	2 828 677.5
101	05	25 645.8	7937.8	25 138.7	8067.5	24 631.0	8197.6	24 122.6	8327.6
109	10	18 722.8	7595.1	18 226.5	7725.0	17 729.6	7855.0	17 232.0	7985.1
117	15	11 799.4	7259.7	11 313.9	7389.7	10 827.8	7519.7	10 341.0	7649.9
	20	1 304 875.6	6931.8	1 304 400.8	7061.8	1 303 925.6	7191.9	1 303 449.7	7322.1
	25	1 297 951.5	6611.1	1 297 487.5	6741.2	1 297 023.1	6871.4	1 296 558.0	7001.7
	30	91 027.0	6297.9	90 574.0	6428.1	90 120.3	6558.3	89 665.9	6688.7
	35	84 102.2	5992.0	83 659.9	6122.2	83 217.1	6252.5	82 773.6	6383.0
	40	77 177.1	5693.5	76 745.7	5823.8	76 313.6	5954.1	75 881.0	6084.7
	45	70 251.7	5402.3	69 831.1	5532.7	69 409.8	5663.1	68 988.0	5793.7
70	50	63 326.0	5118.6	62 916.2	5249.0	62 505.7	5379.5	62 094.7	5510.1
78	55	56 400.0	4842.2	56 001.0	4972.7	55 601.3	5103.2	55 201.1	5233.9
86									
94	00	1 249 473.8	2 794 573.2	1 249 085.5	2 804 703.7	1 248 696.6	2 814 834.3	1 248 307.2	2 824 965.0
102	05	42 547.2	4311.5	42 169.7	4442.1	41 791.6	4572.7	41 413.0	4703.5
110	10	35 620.3	4057.2	35 253.6	4187.8	34 886.4	4318.5	34 518.6	4449.4
118	15	28 693.2	3810.3	28 337.3	3941.0	27 980.8	4071.7	27 623.9	4202.7
	20	21 765.8	3570.8	21 420.7	3701.5	21 075.0	3832.3	20 728.9	3963.3
	25	14 838.2	3338.6	14 503.8	3469.4	14 169.0	3600.2	13 833.7	3731.2
	30	07 910.3	3113.8	07 586.7	3244.6	07 262.7	3375.5	06 938.3	3506.7
	35	1 200 982.2	2896.3	1 200 669.4	3027.2	1 200 356.2	3158.2	1 200 042.6	3289.3
	40	1 194 053.9	2686.3	1 193 751.9	2817.2	1 193 449.5	2948.2	1 193 146.6	3079.4
	45	87 125.4	2483.6	86 834.1	2614.5	86 542.5	2745.6	86 250.4	2876.8
71	50	80 196.6	2288.3	79 916.2	2419.3	79 635.3	2550.3	79 354.1	2681.6
79	55	73 267.6	2100.3	72 998.0	2231.3	72 727.9	2362.5	72 457.6	2493.8
87									
95	00	1 166 338.4	2 791 919.7	1 166 079.5	2 802 050.8	1 165 820.3	2 812 182.0	1 165 560.9	2 822 313.3
103	05	59 409.0	1746.5	59 160.9	1877.6	58 912.5	2008.8	58 663.8	2140.2
111	10	52 479.5	1580.7	52 242.2	1711.8	52 004.6	1843.0	51 766.7	1974.5
119	15	45 549.8	1422.2	45 323.2	1553.4	45 096.4	1684.6	44 869.3	1816.1
	20	38 620.0	1271.1	38 404.2	1402.3	38 188.2	1533.6	37 971.9	1665.1
	25	31 689.9	1127.4	31 484.9	1258.6	31 279.7	1389.9	31 074.2	1521.5
	30	24 759.8	0991.0	24 565.6	1122.3	24 371.2	1253.6	24 176.5	1385.2
	35	17 829.4	0862.1	17 646.0	0993.3	17 462.4	1124.7	17 278.6	1256.3
	40	10 899.0	0740.4	10 726.4	0871.7	10 553.6	1003.1	10 380.6	1134.7
	45	1 103 968.4	0626.2	1 103 806.6	0757.5	1 103 644.6	0888.9	1 103 482.4	1020.6
72	50	1 097 037.7	0519.3	1 096 886.7	0650.7	1 096 735.5	0782.1	1 096 584.2	0913.8
80	55	90 106.9	0419.8	89 966.7	0551.2	89 826.3	0682.7	89 685.7	0814.3
88									
96	00	1 083 176.0	2 790 327.7	1 083 046.6	2 800 459.1	1 082 917.0	2 810 590.6	1 082 787.2	2 820 722.2
104	05	76 244.8	0242.9	76 126.2	0374.3	76 007.4	0505.8	75 888.4	0637.5
112	10	69 313.6	0165.5	69 205.7	0296.9	69 097.7	0428.5	68 989.6	0560.2
120	15	62 382.4	0095.5	62 285.3	0226.9	62 188.1	0358.5	62 090.8	0490.2
	20	55 451.2	2 790 032.9	55 364.9	0164.3	55 278.5	0295.9	55 192.0	0427.6
	25	48 520.0	2 789 977.6	48 444.5	0109.0	48 368.9	0240.6	48 293.2	0372.4
	30	41 588.8	9929.7	41 524.1	0061.1	41 459.3	0192.7	41 394.4	0324.5
	35	34 657.3	9889.1	34 603.4	2 800 020.6	34 549.4	0152.2	34 495.3	0284.0
	40	27 725.9	9856.0	27 682.7	2 799 987.5	27 639.5	0119.0	27 596.3	0250.8
	45	20 794.4	9830.2	20 762.0	9961.7	20 729.6	0093.3	20 697.2	0225.0
73	50	13 862.9	9811.7	13 841.4	9943.2	13 819.8	0074.8	13 798.1	0206.6
81	55	06 931.5	9800.7	06 920.7	9932.2	06 909.9	0063.7	06 899.1	0195.6
89									
97	00	1 000 000.0	2 789 797.0	1 000 000.0	2 799 928.5	1 000 000.0	2 810 060.1	1 000 000.0	2 820 191.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 47° 00′.		Lat. 47° 05′.		Lat. 47° 10′.		Lat. 47° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 789 797.0	1 000 000.0	2 799 928.5	1 000 000.0	2 810 060.1	1 000 000.0	2 820 191.9
105	05	993 068.5	9800.7	993 079.3	9932.2	993 090.1	0063.7	993 100.9	0195.6
113	10	86 137.1	9811.7	86 158.6	9943.2	86 180.2	0074.8	86 201.9	0206.6
121	15	79 205.6	9830.2	79 238.0	9961.7	79 270.4	0093.3	79 302.8	0225.0
	20	72 274.1	9856.0	72 317.3	2 799 987.5	72 360.5	0119.0	72 403.7	0250.8
	25	65 342.7	9889.1	65 396.6	2 800 020.6	65 450.6	0152.2	65 504.7	0284.0
	30	58 411.2	9929.7	58 475.9	0061.1	58 540.7	0192.7	58 605.6	0324.5
	35	51 480.0	2 789 977.6	51 555.5	0109.0	51 631.1	0240.6	51 706.8	0372.4
	40	44 548.8	2 790 032.9	44 635.1	0164.3	44 721.5	0295.9	44 808.0	0427.6
	45	37 617.6	0095.5	37 714.7	0226.9	37 811.9	0358.5	37 909.2	0490.2
74	50	30 686.4	0165.5	30 794.3	0296.9	30 902.3	0428.5	31 010.4	0560.2
82	55	23 755.2	0242.9	23 873.8	0374.3	23 992.6	0505.8	24 111.6	0637.5
90									
98	00	916 824.0	2 790 327.7	916 953.4	2 800 459.1	917 083.0	2 810 590.6	917 212.8	2 820 722.2
106	05	09 893.1	0419.8	10 033.3	0551.2	10 173.7	0682.7	10 314.3	0814.3
114	10	902 962.3	0519.3	903 113.3	0650.7	903 264.5	0782.1	903 415.8	0913.8
122	15	896 031.6	0626.2	896 193.4	0757.5	896 355.4	0888.9	896 517.6	1020.6
	20	89 101.0	0740.4	89 273.6	0871.7	89 446.4	1003.1	89 619.4	1134.7
	25	82 170.6	0862.1	82 354.0	0993.3	82 537.6	1124.7	82 721.4	1256.3
	30	75 240.2	0991.0	75 434.4	1122.3	75 628.8	1253.6	75 823.5	1385.2
	35	68 310.1	1127.4	68 515.1	1258.6	68 720.3	1389.9	68 925.8	1521.5
	40	61 380.0	1271.1	61 595.8	1402.3	61 811.8	1533.6	62 028.1	1665.1
	45	54 450.2	1422.2	54 676.8	1553.4	54 903.6	1684.6	55 130.7	1816.1
75	50	47 520.5	1580.7	47 757.8	1711.8	47 995.4	1843.0	48 233.3	1974.5
83	55	40 591.0	1746.5	40 839.1	1877.6	41 087.5	2008.8	41 336.2	2140.2
91									
99	00	833 661.6	2 791 919.7	833 920.5	2 802 050.8	834 179.7	2 812 182.0	834 439.1	2 822 313.3
107	05	26 732.4	2100.3	27 002.0	2231.3	27 272.1	2362.5	27 542.4	2493.8
115	10	19 803.4	2288.3	20 083.8	2419.3	20 364.7	2550.3	20 645.9	2681.6
123	15	12 874.6	2483.6	13 165.9	2614.5	13 457.5	2745.6	13 749.6	2876.8
	20	805 946.1	2686.3	806 248.1	2817.2	806 550.5	2948.2	806 853.4	3079.4
	25	799 017.8	2896.3	799 330.6	3027.2	799 643.8	3158.2	799 957.4	3289.3
	30	92 089.7	3113.8	92 413.3	3244.6	92 737.3	3375.5	93 061.7	3506.7
	35	85 161.8	3338.6	85 496.2	3469.4	85 831.0	3600.2	86 166.3	3731.2
	40	78 234.2	3570.8	78 579.3	3701.5	78 925.0	3832.3	79 271.1	3963.3
	45	71 306.8	3810.3	71 662.7	3941.0	72 019.2	4071.7	72 376.1	4202.7
76	50	64 379.7	4057.2	64 746.4	4187.8	65 113.6	4318.5	65 481.4	4449.4
84	55	57 452.8	4311.5	57 830.3	4442.1	58 208.4	4572.7	58 587.0	4703.5
92									
100	00	750 526.2	2 794 573.2	750 914.5	2 804 703.7	751 303.4	2 814 834.3	751 692.8	2 824 965.0
108	05	43 600.0	4842.2	43 999.0	4972.7	44 398.7	5103.2	44 798.9	5233.9
116	10	36 674.0	5118.6	37 083.8	5249.0	37 494.3	5379.5	37 905.3	5510.1
124	15	29 748.3	5402.3	30 168.9	5532.7	30 590.2	5663.1	31 012.0	5793.7
	20	22 822.9	5693.5	23 254.3	5823.8	23 686.4	5954.1	24 119.0	6084.7
	25	15 897.8	5992.0	16 340.1	6122.2	16 782.9	6252.5	17 226.4	6383.0
	30	08 973.0	6297.9	09 426.0	6428.1	09 879.7	6558.3	10 334.1	6688.7
	35	702 048.5	6611.1	702 512.5	6741.2	702 976.9	6871.4	703 442.0	7001.7
	40	695 124.4	6931.8	695 599.2	7061.8	696 074.4	7191.9	696 550.3	7322.1
	45	88 200.6	7259.7	88 686.1	7389.7	89 172.2	7519.7	89 659.0	7649.9
77	50	81 277.2	7595.1	81 773.5	7725.0	82 270.4	7855.0	82 768.0	7985.1
85	55	74 354.2	7937.8	74 861.3	8067.5	75 369.0	8197.6	75 877.4	8327.6
93									
101	00	667 431.5	2 798 287.9	667 949.5	2 808 417.7	668 467.9	2 818 547.5	668 987.2	2 828 677.5
109	05	60 509.2	8645.4	61 038.0	8775.1	61 567.2	8904.9	62 097.3	9034.7
117	10	53 587.3	9010.3	54 126.9	9139.9	54 666.9	9269.5	55 207.8	9399.3
125	15	46 665.8	9382.5	47 216.1	9512.0	47 767.0	2 819 641.6	48 318.7	2 829 771.3
	20	39 744.7	2 799 762.1	40 305.8	2 809 891.5	40 867.5	2 820 021.0	41 430.0	2 830 150.7
	25	32 824.0	2 800 149.0	33 395.9	2 810 278.4	33 968.4	0407.8	34 541.7	0537.4
	30	625 903.7	2 800 543.4	626 486.3	2 810 672.6	627 069.7	2 820 802.0	627 653.8	2 830 931.4

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 47° 15′.		Lat. 47° 20′.		Lat. 47° 25′.		Lat. 47° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 372 346. 2	2 830 931. 4	1 371 761. 1	2 841 061. 0	1 371 175. 4	2 851 190. 5	1 370 589. 0	2 861 320. 6
100 35	65 458. 3	0537. 4	64 884. 1	0667. 0	64 309. 2	0796. 6	63 733. 7	0926. 8
108 40	58 570. 0	2 830 150. 7	58 006. 7	2 840 280. 4	57 442. 6	0410. 1	56 877. 9	0540. 4
116 45	51 681. 3	2 829 771. 3	51 128. 9	2 839 901. 1	50 575. 6	2 850 030. 9	50 021. 7	2 860 161. 3
69 50	44 792. 2	9399. 3	44 250. 6	9529. 2	43 708. 2	2 849 659. 1	43 165. 2	2 859 789. 6
77 55	37 902. 7	9034. 7	37 372. 0	9164. 7	36 840. 4	9294. 7	36 308. 3	9425. 2
85								
93 00	1 331 012. 8	2 828 677. 5	1 330 493. 0	2 838 807. 5	1 329 972. 2	2 848 937. 6	1 329 451. 0	2 859 068. 1
101 05	24 122. 6	8327. 6	23 613. 6	8457. 7	23 103. 7	8587. 9	22 593. 3	8718. 5
109 10	17 232. 0	7985. 1	16 733. 8	8115. 3	16 234. 8	8245. 5	15 735. 3	8376. 2
117 15	10 341. 0	7649. 9	09 853. 6	7780. 2	09 365. 5	7910. 5	08 876. 9	8041. 3
20	1 303 449. 7	7322. 1	1 302 973. 1	7452. 5	1 302 495. 8	7582. 9	1 302 018. 1	7713. 7
25	1 296 558. 0	7001. 7	1 296 092. 3	7132. 2	1 295 625. 8	7262. 6	1 295 159. 0	7393. 5
30	89 665. 9	6688. 7	89 211. 2	6819. 2	88 755. 5	6949. 7	88 299. 5	7080. 7
35	82 773. 6	6383. 0	82 329. 7	6513. 6	81 884. 9	6644. 2	81 439. 7	6775. 2
40	75 881. 0	6084. 7	75 447. 8	6215. 3	75 013. 9	6346. 0	74 579. 5	6477. 1
45	68 988. 0	5793. 7	68 565. 7	5924. 4	68 142. 6	6055. 2	67 719. 1	6186. 3
70 50	62 094. 7	5510. 1	61 683. 3	5640. 9	61 271. 0	5771. 7	60 858. 4	5902. 9
78 55	55 201. 1	5233. 9	54 800. 5	5364. 7	54 399. 1	5495. 6	53 997. 4	5626. 9
86								
94 00	1 248 307. 2	2 824 965. 0	1 247 917. 4	2 835 096. 0	1 247 526. 9	2 845 226. 9	1 247 136. 1	2 855 358. 2
102 05	41 413. 0	4703. 5	41 034. 1	4834. 5	40 654. 4	4965. 5	40 274. 4	5096. 9
110 10	34 518. 6	4449. 4	34 150. 4	4580. 5	33 781. 6	4711. 6	33 412. 5	4843. 0
118 15	27 623. 9	4202. 7	27 266. 5	4333. 7	26 908. 6	4464. 9	26 550. 3	4596. 4
20	20 728. 9	3963. 3	20 382. 4	4094. 4	20 035. 3	4225. 6	19 687. 9	4357. 2
25	13 833. 7	3731. 2	13 498. 0	3862. 4	13 161. 8	3993. 7	12 825. 2	4125. 3
30	06 938. 3	3506. 7	1 206 613. 4	3637. 8	1 206 288. 0	3769. 1	1 205 962. 3	3900. 7
35	1 200 042. 6	3289. 3	1 199 728. 5	3420. 6	1 199 414. 0	3552. 0	1 199 099. 2	3683. 6
40	1 193 146. 6	3079. 4	92 843. 4	3210. 7	92 539. 8	3342. 1	92 235. 8	3473. 8
45	86 250. 4	2876. 8	85 958. 1	3008. 2	85 665. 3	3139. 6	85 372. 2	3271. 4
71 50	79 354. 1	2681. 6	79 072. 6	2813. 0	78 790. 6	2944. 5	78 508. 4	3076. 3
79 55	72 457. 6	2493. 8	72 186. 9	2625. 2	71 915. 7	2756. 8	71 644. 4	2888. 6
87								
95 00	1 165 560. 9	2 822 313. 3	1 165 300. 9	2 832 444. 8	1 165 040. 8	2 842 576. 4	1 164 780. 1	2 852 708. 1
103 05	58 663. 8	2140. 2	58 414. 7	2271. 8	58 165. 4	2403. 4	57 915. 6	2535. 1
111 10	51 766. 7	1974. 5	51 528. 5	2106. 1	51 289. 9	2237. 7	51 051. 0	2369. 5
119 15	44 869. 3	1816. 1	44 642. 0	1947. 8	44 414. 2	2079. 4	44 186. 2	2211. 2
20	37 971. 9	1665. 1	37 755. 4	1796. 8	37 538. 4	1928. 5	37 321. 3	2060. 3
25	31 074. 2	1521. 5	30 868. 5	1653. 2	30 662. 4	1784. 9	30 456. 2	1916. 8
30	24 176. 5	1385. 2	23 981. 6	1516. 9	23 768. 4	1648. 7	23 591. 0	1780. 6
35	17 278. 6	1256. 3	17 094. 5	1388. 0	16 910. 1	1519. 9	16 725. 6	1651. 8
40	10 380. 6	1134. 7	10 207. 3	1266. 5	10 033. 8	1398. 4	09 860. 1	1530. 4
45	1 103 482. 4	1020. 6	1 103 319. 9	1152. 4	1 103 157. 3	1284. 3	1 102 994. 4	1416. 3
72 50	1 096 584. 2	0913. 8	1 096 432. 5	1045. 6	1 096 280. 7	1177. 5	1 096 128. 7	1309. 5
80 55	89 685. 7	0814. 3	89 544. 9	0946. 2	89 403. 9	1078. 1	89 262. 8	1210. 2
88								
96 00	1 082 787. 2	2 820 722. 2	1 082 657. 3	2 830 854. 1	1 082 527. 1	2 840 986. 1	1 082 396. 9	2 851 118. 2
104 05	75 888. 4	0637. 5	75 769. 3	0769. 4	75 650. 0	0901. 4	75 530. 6	1033. 5
112 10	68 989. 6	0560. 2	68 881. 4	0692. 1	68 772. 9	0824. 1	68 664. 4	0956. 2
120 15	62 090. 8	0490. 2	61 993. 4	0622. 2	61 895. 7	0754. 2	61 798. 1	0886. 3
20	55 192. 0	0427. 6	55 105. 4	0559. 6	55 018. 6	0691. 6	54 931. 8	0823. 7
25	48 293. 2	0372. 4	48 217. 5	0504. 3	48 141. 5	0636. 4	48 065. 6	0768. 5
30	41 394. 4	0324. 5	41 329. 5	0456. 5	41 264. 4	0588. 5	41 199. 3	0720. 7
35	34 495. 3	0284. 0	34 441. 3	0416. 0	34 387. 0	0548. 0	34 332. 8	0680. 2
40	27 596. 3	0250. 8	27 553. 0	0382. 8	27 509. 6	0514. 9	27 466. 2	0647. 1
45	20 697. 2	0225. 0	20 664. 8	0357. 0	20 632. 2	0489. 1	20 599. 7	0621. 3
73 50	13 798. 1	0206. 6	13 776. 5	0338. 6	13 754. 8	0470. 7	13 733. 1	0609. 2
81 55	06 899. 1	0195. 6	06 888. 3	0327. 6	06 877. 4	0459. 7	06 866. 5	0591. 9
89								
97 00	1 000 000. 0	2 820 191. 9	1 000 000. 0	2 830 323. 9	1 000 000. 0	2 840 456. 0	1 000 000. 0	2 850 858. 2
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 47° 15′.		Lat. 47° 20′.		Lat. 47° 25′.		Lat. 47° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000. 0	2 820 191. 9	1 000 000. 0	2 830 323. 9	1 000 000. 0	2 840 456. 0	1 000 000. 0	2 850 588. 2
105 05	993 100. 9	0195. 6	993 111. 7	0327. 6	993 122. 6	0459. 7	993 133. 5	0591. 9
113 10	86 201. 9	0206. 6	86 223. 5	0338. 6	86 245. 2	0470. 7	86 266. 9	0602. 9
121 15	79 302. 8	0225. 0	79 335. 2	0357. 0	79 367. 8	0489. 1	79 400. 3	0621. 3
20	72 403. 7	0250. 8	72 447. 0	0382. 8	72 490. 4	0514. 9	72 533. 8	0647. 1
25	65 504. 7	0284. 0	65 558. 7	0416. 0	65 613. 0	0548. 0	65 667. 2	0680. 2
30	58 605. 6	0324. 5	58 670. 5	0456. 5	58 735. 6	0588. 5	58 800. 7	0720. 7
35	51 706. 8	0372. 4	51 782. 5	0504. 3	51 858. 5	0636. 4	51 934. 4	0768. 5
40	44 808. 0	0427. 6	44 894. 6	0559. 6	44 981. 4	0691. 6	45 068. 2	0823. 7
45	37 909. 2	0490. 2	38 006. 6	0622. 2	38 104. 3	0754. 2	38 201. 9	0886. 3
74 50	31 010. 4	0560. 2	31 118. 6	0692. 1	31 227. 1	0824. 1	31 335. 6	0956. 2
82 55	24 111. 6	0637. 5	24 230. 7	0769. 4	24 350. 0	0901. 4	24 469. 4	1033. 5
90								
98 00	917 212. 8	2 820 722. 2	917 342. 7	2 830 854. 1	917 472. 9	2 840 986. 1	917 603. 1	2 851 118. 2
106 05	10 314. 3	0814. 3	10 455. 1	0946. 2	10 596. 1	1078. 1	10 737. 2	1210. 2
114 10	903 415. 8	0913. 8	903 567. 5	1045. 6	903 719. 3	1177. 5	903 871. 3	1309. 5
122 15	896 517. 6	1020. 6	896 680. 1	1152. 4	896 842. 7	1284. 3	897 005. 6	1416. 3
20	89 619. 4	1134. 7	89 792. 7	1266. 5	89 966. 2	1398. 4	90 139. 9	1530. 4
25	82 721. 4	1256. 3	82 905. 5	1388. 0	83 089. 9	1519. 9	83 274. 4	1651. 8
30	75 823. 5	1385. 2	76 018. 4	1516. 9	76 213. 6	1648. 7	76 409. 0	1780. 6
35	68 925. 8	1521. 5	69 131. 5	1653. 2	69 337. 6	1784. 9	69 543. 8	1916. 8
40	62 028. 1	1665. 1	62 244. 6	1796. 8	62 461. 6	1928. 5	62 678. 7	2060. 3
45	55 130. 7	1816. 1	55 358. 0	1947. 8	55 585. 8	2079. 4	55 813. 8	2211. 2
75 50	48 233. 3	1974. 5	48 471. 5	2106. 1	48 710. 1	2237. 7	48 949. 0	2369. 5
83 55	41 336. 2	2140. 2	41 585. 3	2271. 8	41 834. 6	2403. 4	42 084. 4	2535. 1
91								
99 00	834 439. 1	2 822 313. 3	834 699. 1	2 832 444. 8	834 959. 1	2 842 576. 4	835 219. 9	2 852 708. 1
107 05	27 542. 4	2493. 8	27 813. 1	2625. 2	28 084. 3	2756. 8	28 355. 6	2888. 6
115 10	20 645. 9	2681. 6	20 927. 4	2813. 0	21 209. 4	2944. 5	21 491. 6	3076. 3
123 15	13 749. 6	2876. 8	14 041. 9	3008. 2	14 334. 7	3139. 6	14 627. 8	3271. 4
20	806 853. 4	3079. 4	07 156. 6	3210. 7	07 460. 2	3342. 1	07 764. 2	3473. 8
25	799 957. 4	3289. 3	800 271. 5	3420. 6	800 586. 0	3552. 0	800 900. 8	3683. 6
30	93 061. 7	3506. 7	793 386. 6	3637. 8	793 712. 0	3769. 1	794 037. 7	3900. 7
35	86 166. 3	3731. 2	86 502. 0	3862. 4	86 838. 2	3993. 7	87 174. 8	4125. 3
40	79 271. 1	3963. 3	79 617. 6	4094. 4	79 964. 7	4225. 6	80 312. 1	4357. 2
45	72 376. 1	4202. 7	72 733. 5	4333. 7	73 091. 4	4464. 9	73 449. 7	4596. 4
76 50	65 481. 4	4449. 4	65 849. 6	4580. 5	66 218. 4	4711. 6	66 587. 5	4843. 0
84 55	58 587. 0	4703. 5	58 965. 9	4834. 5	59 345. 6	4965. 5	59 725. 6	5096. 9
92								
100 00	751 692. 8	2 824 965. 0	752 082. 6	2 835 096. 0	752 473. 1	2 845 226. 9	752 863. 9	2 855 358. 2
108 05	44 798. 9	5233. 9	45 199. 5	5364. 7	45 600. 9	5495. 6	46 002. 6	5626. 9
116 10	37 905. 3	5510. 1	38 316. 7	5640. 9	38 729. 0	5771. 7	39 141. 6	5902. 9
124 15	31 012. 0	5793. 7	31 434. 3	5924. 4	31 857. 4	6055. 2	32 280. 9	6186. 3
20	24 119. 0	6084. 7	24 552. 2	6215. 3	24 986. 1	6346. 0	25 420. 5	6477. 1
25	17 226. 4	6383. 0	17 670. 3	6513. 6	18 115. 1	6644. 2	18 560. 3	6775. 2
30	10 334. 1	6688. 7	10 788. 8	6819. 2	11 244. 5	6949. 7	11 700. 5	7080. 7
35	703 442. 0	7001. 7	703 907. 7	7132. 2	704 374. 2	7262. 6	704 841. 0	7393. 5
40	696 550. 3	7322. 1	697 026. 9	7452. 5	697 504. 2	7582. 9	697 981. 9	7713. 7
45	89 659. 0	7649. 9	90 146. 4	7780. 2	90 634. 5	7910. 5	91 123. 1	8041. 3
77 50	82 768. 0	7985. 1	83 266. 2	8115. 3	83 765. 2	8245. 5	84 264. 7	8376. 2
85 55	75 877. 4	8327. 6	76 386. 4	8457. 7	76 896. 3	8587. 9	77 406. 7	8718. 5
93								
101 00	668 987. 2	2 828 677. 5	669 507. 0	2 838 807. 5	670 027. 8	2 848 937. 6	670 549. 0	2 859 068. 1
109 05	62 097. 3	9034. 7	62 628. 0	9164. 7	63 159. 6	9294. 7	63 691. 7	9425. 2
117 10	55 207. 8	9399. 3	55 749. 4	9529. 2	56 291. 8	2 849 659. 1	56 834. 8	2 859 789. 6
125 15	48 318. 7	2 829 771. 3	48 871. 1	2 839 901. 1	49 424. 4	2 850 030. 9	49 978. 3	2 860 161. 3
20	41 430. 0	2 830 150. 7	41 993. 3	2 840 280. 4	42 557. 4	0410. 1	43 122. 1	0540. 4
25	34 541. 7	0537. 4	35 115. 9	0667. 0	35 690. 8	0796. 6	36 266. 3	0926. 8
30	627 653. 8	2 830 931. 4	628 238. 9	2 841 061. 0	628 824. 6	2 851 190. 5	629 411. 0	2 861 320. 6

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 47° 30′.		Lat. 47° 35′.		Lat. 47° 40′.		Lat. 47° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 370 589.0	2 861 320.6	1 370 001.5	2 871 450.5	1 369 413.3	2 881 580.1	1 368 824.4	2 891 709.9
100 35	63 733.7	0926.8	63 157.1	1056.8	62 579.8	1186.5	62 001.9	1316.4
108 40	56 877.9	0540.4	56 312.2	0670.4	55 745.9	0800.2	55 178.9	0930.2
116 45	50 021.7	2 860 161.3	49 466.9	2 870 291.4	48 911.5	0421.3	48 355.4	0551.4
69 50	43 165.2	2 859 789.6	42 621.3	2 869 919.8	42 076.7	2 880 049.8	41 531.5	2 890 180.0
77 55	36 308.3	9425.2	35 775.3	9555.5	35 241.6	2 879 685.6	34 707.3	2 889 815.9
85								
93 00	1 329 451.0	2 859 068.1	1 328 928.8	2 869 198.5	1 328 406.1	2 879 328.8	1 327 882.7	2 889 459.2
101 05	22 593.3	8718.5	22 082.0	8849.0	21 570.2	8979.3	21 057.7	9109.8
109 10	15 735.3	8376.2	15 234.9	8506.8	14 734.0	8637.2	14 232.4	8767.8
117 15	08 876.9	8041.3	08 387.4	8171.9	07 897.3	8302.4	07 406.7	8433.1
20	1 302 018.1	7713.7	1 301 539.5	7844.4	1 301 060.3	7975.0	1 300 580.6	8105.8
25	1 295 159.0	7393.5	1 294 691.3	7524.3	1 294 222.9	7655.0	1 293 754.1	7785.8
30	88 299.5	7080.7	87 842.7	7211.5	87 385.2	7342.3	86 927.3	7473.2
35	81 439.7	6775.2	80 993.7	6906.1	80 547.2	7036.9	80 100.2	7168.0
40	74 579.5	6477.1	74 144.5	6608.1	73 708.9	6739.0	73 272.8	6870.1
45	67 719.1	6186.3	67 295.0	6317.4	66 870.3	6448.4	66 445.1	6579.5
70 50	60 858.4	5902.9	60 445.2	6034.0	60 031.3	6165.1	59 617.0	6296.4
78 55	53 997.4	5626.9	53 595.0	5758.1	53 192.0	5889.2	52 788.6	6020.5
86								
94 00	1 247 136.1	2 855 358.2	1 246 744.5	2 865 489.5	1 246 352.4	2 875 620.7	1 245 959.9	2 885 752.1
102 05	40 274.4	5096.9	39 893.8	5228.2	39 512.5	5359.5	39 131.0	5491.0
110 10	33 412.5	4843.0	33 042.8	4974.3	32 672.4	5105.6	32 301.8	5237.2
118 15	26 550.3	4596.4	26 191.5	4727.8	25 832.0	4859.2	25 472.3	4990.8
20	19 687.9	4357.2	19 339.9	4488.6	18 991.3	4620.1	18 642.5	4751.7
25	12 825.2	4125.3	12 488.1	4256.8	12 150.4	4388.3	11 812.5	4520.0
30	1 205 962.3	3900.7	1 205 636.1	4032.3	1 205 309.3	4163.9	1 204 982.3	4295.7
35	1 199 099.2	3683.6	1 198 783.8	3815.2	1 198 468.0	3946.9	1 198 151.8	4078.7
40	92 235.8	3473.8	91 931.2	3605.5	91 626.4	3737.2	91 321.1	3869.1
45	85 372.2	3271.4	85 078.5	3403.1	84 784.5	3534.9	84 490.2	3666.8
71 50	78 508.4	3076.3	78 225.6	3208.1	77 942.5	3339.9	77 659.0	3471.9
79 55	71 644.4	2888.6	71 372.5	3020.4	71 100.3	3152.3	70 827.7	?984.3
87								
95 00	1 164 708.1	2 852 708.1	1 164 519.1	2 862 840.1	1 164 257.8	2 872 972.0	1 163 996.1	2 883 104.1
103 05	57 915.6	2535.1	57 665.5	2667.1	57 415.1	2799.1	57 164.3	2931.3
111 10	51 051.0	2369.5	50 811.8	2501.6	50 572.3	2633.6	50 332.4	2765.8
119 15	44 186.2	2211.2	43 957.9	2343.3	43 729.2	2475.4	43 500.3	2607.7
20	37 321.3	2060.3	37 103.9	2192.4	36 886.1	2324.6	36 668.1	2456.8
25	30 456.2	1916.8	30 249.6	2049.0	30 042.7	2181.1	29 835.6	2313.4
30	23 591.0	1780.6	23 395.3	1912.8	23 199.3	2045.0	23 003.1	2177.4
35	16 725.6	1651.8	16 540.7	1784.0	16 355.6	1916.2	16 170.3	2048.6
40	09 860.1	1530.4	09 686.1	1662.6	09 511.9	1794.8	09 337.5	1927.3
45	1 102 994.4	1416.3	1 102 831.3	1548.5	1 102 668.0	1680.8	1 102 504.5	1813.3
72 50	1 096 128.7	1309.5	1 095 976.4	1441.8	1 095 824.0	1574.1	1 095 671.4	1706.6
80 55	89 262.8	1210.2	89 121.4	1342.5	88 979.9	1474.8	88 838.2	1607.3
88								
96 00	1 082 396.9	2 851 118.2	1 082 266.4	2 861 250.5	1 082 135.7	2 871 382.8	1 082 004.9	2 881 515.4
104 05	75 530.6	1033.5	75 411.0	1165.8	75 291.2	1298.2	75 171.3	1430.8
112 10	68 664.4	0956.2	68 555.6	1088.6	68 446.7	1221.0	68 337.8	1353.6
120 15	61 798.1	0886.3	61 700.2	1018.7	61 602.2	1151.2	61 504.1	1283.7
20	54 931.8	0823.7	54 844.8	0956.1	54 757.7	1088.5	54 670.5	1221.2
25	48 065.6	0768.5	47 989.4	0900.9	47 913.2	1033.4	47 836.9	1166.0
30	41 199.3	0720.7	41 134.0	0853.1	41 068.7	0985.5	41 003.3	1118.2
35	34 332.8	0680.2	34 278.3	0812.6	34 223.9	0945.1	34 169.4	1077.7
40	27 466.2	0647.1	27 422.7	0779.5	27 379.1	0912.0	27 335.5	1044.6
45	20 599.7	0621.3	20 567.0	0753.7	20 534.3	0886.2	20 501.6	1018.9
73 50	13 733.1	0602.9	13 711.3	0735.3	13 689.6	0867.8	13 667.8	1000.5
81 55	06 866.5	0591.9	06 855.7	0724.3	06 844.8	0856.8	06 833.9	0989.5
89								
97 00	1 000 000.0	2 850 588.2	1 000 000.0	2 860 720.6	1 000 000.0	2 870 853.1	1 000 000.0	2 880 985.8
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 47° 30′.		Lat. 47° 35′.		Lat. 47° 40′.		Lat. 47° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73								
81								
89								
97 00	1 000 000.0	2 850 588.2	1 000 000.0	2 860 720.6	1 000 000.0	2 870 853.1	1 000 000.0	2 880 985.8
105 05	993 133.5	0591.9	993 144.3	0724.3	993 155.2	0856.8	993 166.1	0989.5
113 10	86 266.9	0602.9	86 288.7	0735.3	86 310.4	0867.8	86 332.2	1000.5
121 15	79 400.3	0621.3	79 433.0	0753.7	79 465.7	0886.2	79 498.4	1018.9
20	72 533.8	0647.1	72 577.3	0779.5	72 620.9	0912.0	72 664.5	1044.6
25	65 667.2	0680.2	65 721.7	0812.6	65 776.1	0945.1	65 830.6	1077.7
30	58 800.7	0720.7	58 866.0	0853.1	58 931.3	0985.5	58 996.7	1118.2
35	51 934.4	0768.5	52 010.6	0900.9	52 086.8	1033.4	52 163.1	1166.0
40	45 068.2	0823.7	45 155.2	0956.1	45 242.3	1088.5	45 329.5	1221.2
45	38 201.9	0886.3	38 299.8	1018.7	38 397.8	1151.2	38 495.9	1283.7
74 50	31 335.6	0956.2	31 444.4	1088.6	31 553.3	1221.0	31 662.2	1353.6
82 55	24 469.4	1033.5	24 589.0	1165.8	24 708.8	1298.2	24 828.7	1430.8
90								
98 00	917 603.1	2 851 118.2	917 733.6	2 861 250.5	917 864.3	2 871 382.8	917 995.1	2 881 515.4
106 05	10 737.2	1210.2	10 878.6	1342.5	11 020.1	1474.8	11 161.8	1607.3
114 10	903 871.3	1309.5	904 023.6	1441.8	904 176.0	1574.1	904 328.6	1706.6
122 15	897 005.6	1416.3	897 168.7	1548.5	897 332.0	1680.8	897 495.5	1813.3
20	90 139.9	1530.4	90 313.9	1662.6	90 488.1	1794.8	90 662.5	1927.3
25	83 274.4	1651.8	83 459.3	1784.0	83 644.4	1916.2	83 829.7	2048.6
30	76 409.0	1780.6	76 604.7	1912.8	76 800.7	2045.0	76 996.9	2177.4
35	69 543.8	1916.8	69 750.4	2049.0	69 957.3	2181.1	70 164.4	2313.4
40	62 678.7	2060.3	62 896.1	2192.4	63 113.9	2324.6	63 331.9	2456.8
45	55 813.8	2211.2	56 042.1	2343.3	56 270.8	2475.4	56 499.7	2607.7
75 50	48 949.0	2369.5	49 188.2	2501.6	49 427.7	2633.6	49 667.6	2765.8
83 55	42 084.4	2535.1	42 334.5	2667.1	42 584.9	2799.1	42 835.7	2931.3
91								
99 00	835 219.9	2 852 708.1	835 480.9	2 862 840.1	835 742.2	2 872 972.0	836 003.9	2 883 104.1
107 05	28 355.6	2888.6	28 627.5	3020.4	28 899.7	3152.3	29 172.3	3284.3
115 10	21 491.6	3076.3	21 774.4	3208.1	22 057.5	3339.9	22 341.0	3471.9
123 15	14 627.8	3271.4	14 921.5	3403.1	15 215.5	3534.9	15 509.8	3666.8
20	07 764.2	3473.8	08 068.8	3605.5	08 373.6	3737.2	08 678.9	3869.1
25	800 900.8	3683.6	801 216.2	3815.2	801 532.0	3946.9	801 848.2	4078.7
30	794 037.7	3900.7	794 363.9	4032.3	794 690.7	4163.9	795 017.7	4295.7
35	87 174.8	4125.3	87 511.9	4256.8	87 849.6	4388.3	88 187.5	4520.0
40	80 312.1	4357.2	80 660.1	4488.6	81 008.7	4620.1	81 357.5	4751.7
45	73 449.7	4596.4	73 808.5	4727.8	74 168.0	4859.2	74 527.7	4990.8
76 50	66 587.5	4843.0	66 957.2	4974.3	67 327.6	5105.6	67 698.2	5237.2
84 55	59 725.6	5096.9	60 106.2	5228.2	60 487.5	5359.5	60 869.0	5491.0
92								
100 00	752 863.9	2 855 358.2	753 255.5	2 865 489.5	753 647.6	2 875 620.7	754 040.1	2 885 752.1
108 05	46 002.6	5626.9	46 405.0	5758.1	46 808.0	5889.2	47 211.4	6020.5
116 10	39 141.6	5902.9	39 554.8	6034.0	39 968.7	6165.1	40 383.0	6296.4
124 15	32 280.9	6186.3	32 705.0	6317.4	33 129.7	6448.4	33 554.9	6579.5
20	25 420.5	6477.1	25 855.5	6608.1	26 291.1	6739.0	26 727.2	6870.1
25	18 560.3	6775.2	19 006.3	6906.1	19 452.8	7036.9	19 899.8	7168.0
30	11 700.5	7080.7	12 157.3	7211.5	12 614.8	7342.3	13 072.7	7473.2
35	704 841.0	7393.5	705 308.7	7524.3	705 777.1	7655.0	706 245.9	7785.8
40	697 981.9	7713.7	698 460.5	7844.4	698 939.7	7975.0	699 419.4	8105.8
45	91 123.1	8041.3	91 612.6	8171.9	92 102.7	8302.4	92 593.3	8433.1
77 50	84 264.7	8376.2	84 765.1	8506.8	85 266.0	8637.2	85 767.6	8767.8
85 55	77 406.7	8718.5	77 918.0	8849.0	78 429.8	8979.3	78 942.3	9109.8
93								
101 00	670 549.0	2 859 068.1	671 071.2	2 869 198.5	671 593.9	2 879 328.8	672 117.3	2 889 459.2
109 05	63 691.7	9425.2	64 224.7	9555.5	64 758.4	2 879 685.6	65 292.7	2 889 815.9
117 10	56 834.8	2 859 789.6	57 378.7	2 869 919.8	57 923.3	2 880 049.8	58 468.5	2 890 180.0
125 15	49 978.3	2 860 161.3	50 533.1	2 870 291.4	51 088.5	0421.3	51 644.6	0551.4
20	43 122.1	0540.4	43 687.8	0670.4	44 254.1	0800.2	44 821.1	0930.2
25	36 266.3	0926.8	36 842.9	1056.8	37 420.2	1186.5	37 998.1	1316.4
30	629 411.0	2 861 320.6	629 998.5	2 871 450.5	630 586.7	2 881 580.1	631 175.6	2 891 709.9

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 47° 45′.		Lat. 47° 50′.		Lat. 47° 55′.		Lat. 48° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68									
76									
84									
92	30	1 368 824.4	2 891 709.9	1 368 234.7	2 901 839.8	1 367 644.1	2 911 969.7	1 367 053.1	2 922 099.7
100	35	62 001.9	1316.4	61 423.0	1446.4	60 843.6	1576.4	60 263.3	1706.5
108	40	55 178.9	0930.2	54 610.9	1060.4	54 042.4	1190.5	53 473.1	1320.7
116	45	48 355.4	0551.4	47 798.4	0681.7	47 240.8	0811.9	46 682.5	0942.2
69	50	41 531.5	2 890 180.0	40 985.6	2 900 310.3	40 438.8	0440.7	39 891.5	0571.1
77	55	34 707.3	2 889 815.9	34 172.4	2 899 946.3	33 636.4	2 910 076.8	33 100.1	2 920 207.3
85									
93	00	1 327 882.7	2 889 459.2	1 327 358.7	2 899 589.7	1 326 833.7	2 909 720.2	1 326 308.3	2 919 850.9
101	05	21 057.7	9109.8	20 544.6	9240.4	20 030.6	9371.1	19 516.1	9501.8
109	10	14 232.4	8767.8	13 730.1	8898.5	13 227.1	9029.2	12 723.5	9160.1
117	15	07 406.7	8433.1	06 915.3	8563.9	1 306 423.2	8694.8	1 305 930.6	8825.7
	20	1 300 580.6	8105.8	1 300 100.1	8236.7	1 299 619.0	8367.6	1 299 137.3	8498.7
	25	1 293 754.1	7785.8	1 293 284.6	7916.8	92 814.4	8047.9	92 343.7	8179.0
	30	86 927.3	7473.2	86 468.7	7604.3	86 009.5	7735.4	85 549.7	7866.7
	35	80 100.2	7168.0	79 652.5	7299.1	79 204.3	7430.4	78 755.4	7561.7
	40	73 272.8	6870.1	72 836.0	7001.3	72 398.8	7132.6	71 960.8	7264.1
	45	66 445.1	6579.5	66 019.2	6710.9	65 592.9	6842.3	65 165.9	6973.8
70	50	59 617.0	6296.4	59 202.0	6427.8	58 786.7	6559.2	58 370.7	6690.9
78	55	52 788.6	6020.5	52 384.6	6152.0	51 980.2	6283.6	51 575.2	6415.3
86									
94	00	1 245 959.9	2 885 752.1	1 245 566.9	2 895 883.6	1 245 173.4	2 906 015.3	1 244 779.3	2 916 147.0
102	05	39 131.0	5491.0	38 748.9	5622.6	38 366.3	5754.3	37 983.1	5886.1
110	10	32 301.8	5237.2	31 930.6	5368.9	31 558.9	5500.7	31 186.7	5632.6
118	15	25 472.3	4990.8	25 112.0	5122.6	24 751.2	5254.4	24 390.0	5386.4
	20	18 642.5	4751.7	18 293.2	4883.6	17 943.3	5015.5	17 593.1	5147.6
	25	11 812.5	4520.0	11 474.1	4652.0	11 135.2	4783.9	10 795.9	4916.1
	30	1 204 982.3	4295.7	1 204 654.8	4427.7	1 204 326.8	4559.7	1 203 998.5	4691.9
	35	1 198 151.8	4078.7	1 197 835.2	4210.8	1 197 518.2	4342.9	1 197 200.8	4475.1
	40	91 321.1	3869.1	91 015.4	4001.2	90 709.4	4133.4	90 402.9	4265.7
	45	84 490.2	3666.8	84 195.4	3799.0	83 900.3	3931.2	83 604.8	4063.6
71	50	77 659.0	3471.9	77 375.2	3604.1	77 091.0	3736.4	76 806.4	3868.9
79	55	70 827.7	3284.3	70 554.8	3416.6	70 281.5	3548.9	70 007.8	3681.5
87									
95	00	1 163 996.1	2 883 104.1	1 163 734.1	2 893 236.4	1 163 471.8	2 903 368.8	1 163 209.1	2 913 501.4
103	05	57 164.3	2931.3	56 913.2	3063.6	56 661.8	3196.1	56 410.1	3328.7
111	10	50 332.4	2765.8	50 092.2	2898.2	49 851.8	3030.7	49 611.0	3163.4
119	15	43 500.3	2607.7	43 271.0	2740.1	43 041.5	2872.6	42 811.6	3005.3
	20	36 668.1	2456.8	36 449.7	2589.4	36 231.1	2721.9	36 012.2	2854.7
	25	29 835.6	2313.4	29 628.1	2446.0	29 420.5	2578.6	29 212.5	2711.4
	30	23 003.1	2177.4	22 806.5	2309.9	22 609.8	2442.6	22 412.8	2575.4
	35	16 170.3	2048.6	15 984.7	2181.3	15 798.9	2313.9	15 612.8	2446.8
	40	09 337.5	1927.3	09 162.8	2059.9	08 988.0	2192.6	08 812.8	2325.6
	45	1 102 504.5	1813.3	1 102 340.7	1945.9	1 102 176.8	2078.7	1 102 012.6	2211.7
72	50	1 095 671.4	1706.6	1 095 518.6	1839.3	1 095 365.6	1972.1	1 095 212.3	2105.1
80	55	88 838.2	1607.3	88 696.3	1740.1	88 554.2	1872.9	88 411.9	2005.9
88									
96	00	1 082 004.9	2 881 515.4	1 081 873.9	2 891 648.1	1 081 742.7	2 901 781.0	1 081 611.4	2 911 914.0
104	05	75 171.3	1430.8	75 051.2	1563.6	74 931.0	1696.4	74 810.6	1829.5
112	10	68 337.8	1353.6	68 228.5	1486.4	68 119.2	1619.3	68 009.8	1752.3
120	15	61 504.1	1283.7	61 405.8	1416.5	61 307.5	1549.4	61 209.0	1682.5
	20	54 670.5	1221.2	54 583.2	1354.0	54 495.7	1486.9	54 408.2	1620.1
	25	47 836.9	1166.0	47 760.5	1298.9	47 684.0	1431.8	47 607.4	1564.9
	30	41 003.3	1118.2	40 937.8	1251.1	40 872.2	1384.0	40 806.6	1517.2
	35	34 169.4	1077.7	34 114.8	1210.6	34 060.2	1343.6	34 005.5	1476.8
	40	27 335.5	1044.6	27 291.9	1177.5	27 248.1	1310.5	27 204.4	1443.7
	45	20 501.6	1018.9	20 468.9	1151.8	20 436.1	1284.8	20 403.3	1418.0
73	50	13 667.8	1000.5	13 645.9	1133.4	13 624.1	1266.4	13 602.2	1399.6
81	55	06 833.9	0989.5	06 823.0	1122.4	06 812.0	1255.4	06 801.1	1388.6
89									
97	00	1 000 000.0	2 880 985.8	1 000 000.0	2 891 118.7	1 000 000.0	2 901 251.7	1 000 000.0	2 911 384.9
105									
113									
121									

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 47° 45′.		Lat. 47° 50′.		Lat. 47° 55′.		Lat. 48° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 880 985.8	1 000 000.0	2 891 118.7	1 000 000.0	2 901 251.7	1 000 000.0	2 911 384.9
105	05	993 166.1	0989.5	993 177.0	1122.4	993 188.0	1255.4	993 198.9	1388.6
113	10	86 332.2	1000.5	86 354.1	1133.4	86 375.9	1266.4	86 397.8	1399.6
121	15	79 498.4	1018.9	79 531.1	1151.8	79 563.9	1284.8	79 596.7	1418.0
	20	72 664.5	1044.6	72 708.1	1177.5	72 751.9	1310.5	72 795.6	1443.7
	25	65 830.6	1077.7	65 885.2	1210.6	65 939.8	1343.6	65 994.5	1476.8
	30	58 996.7	1118.2	59 062.2	1251.1	59 127.8	1384.0	59 193.4	1517.2
	35	52 163.1	1166.0	52 239.5	1298.9	52 316.0	1431.8	52 392.6	1564.9
	40	45 329.5	1221.2	45 416.8	1354.0	45 504.3	1486.9	45 591.8	1620.1
	45	38 495.9	1283.7	38 594.2	1416.5	38 692.5	1549.4	38 791.0	1682.5
74	50	31 662.2	1353.6	31 771.5	1486.4	31 880.8	1619.3	31 990.2	1752.3
82	55	24 828.7	1430.8	24 948.8	1563.6	25 069.0	1696.4	25 189.4	1829.5
90									
98	00	917 995.1	2 881 515.4	918 126.1	2 891 648.1	918 257.3	2 901 781.0	918 388.6	2 911 914.0
106	05	11 161.8	1607.3	11 303.7	1740.1	11 445.8	1872.9	11 588.1	2005.9
114	10	904 328.6	1706.6	904 481.4	1839.3	904 634.3	1972.1	904 787.7	2105.1
122	15	897 495.5	1813.3	897 659.3	1945.9	897 823.2	2078.7	897 987.4	2211.7
	20	90 662.5	1927.3	90 837.2	2059.9	91 012.0	2192.6	91 187.2	2325.6
	25	83 829.7	2048.6	84 015.3	2181.3	84 201.1	2313.9	84 387.2	2446.8
	30	76 996.9	2177.4	77 193.5	2309.9	77 390.2	2442.6	77 587.2	2575.4
	35	70 164.4	2313.4	70 371.9	2446.0	70 579.5	2578.6	70 787.5	2711.4
	40	63 331.9	2456.8	63 550.3	2589.4	63 768.9	2721.9	63 987.8	2854.7
	45	56 499.7	2607.7	56 729.0	2740.1	56 958.5	2872.6	57 188.4	3005.3
75	50	49 667.6	2765.8	49 907.8	2898.2	50 148.2	3030.7	50 389.0	3163.4
83	55	42 835.7	2931.3	43 086.8	3063.6	43 338.2	3196.1	43 589.9	3328.7
91									
99	00	836 003.9	2 883 104.1	836 265.9	2 893 236.4	836 528.2	2 903 368.8	836 790.9	2 913 501.4
107	05	29 172.3	3284.3	29 445.2	3416.6	29 718.5	3548.9	29 992.2	3681.5
115	10	22 341.0	3471.9	22 624.8	3604.1	22 909.0	3736.4	23 193.6	3868.9
123	15	15 509.8	3666.8	15 804.6	3799.0	16 099.7	3931.2	16 395.2	4063.6
	20	08 678.9	3869.1	08 984.6	4001.2	09 290.6	4133.4	09 597.1	4265.7
	25	801 848.2	4078.7	802 164.8	4210.8	802 481.8	4342.9	802 799.2	4475.1
	30	795 017.7	4295.7	795 345.2	4427.7	795 673.2	4559.7	796 001.5	4691.9
	35	88 187.5	4520.0	88 525.9	4652.0	88 864.8	4783.9	89 204.1	4916.1
	40	81 357.5	4751.7	81 706.8	4883.6	82 056.7	5015.5	82 406.9	5147.6
	45	74 527.7	4990.8	74 888.0	5122.6	75 248.8	5254.4	75 610.0	5386.4
76	50	67 698.2	5237.2	68 069.4	5368.9	68 441.1	5500.7	68 813.3	5632.6
84	55	60 869.0	5491.0	61 251.1	5622.6	61 633.7	5754.3	62 016.9	5886.1
92									
100	00	754 040.1	2 885 752.1	754 433.1	2 895 883.6	754 826.6	2 906 015.3	755 220.7	2 916 147.0
108	05	47 211.4	6020.5	47 615.4	6152.0	48 019.8	6283.6	48 424.8	6415.3
116	10	40 383.0	6296.4	40 798.0	6427.8	41 213.3	6559.2	41 629.3	6690.9
124	15	33 554.9	6579.5	33 980.8	6710.9	34 407.1	6842.3	34 834.1	6973.8
	20	26 727.2	6870.1	27 164.0	7001.3	27 601.2	7132.6	28 039.2	7264.1
	25	19 899.8	7168.0	20 347.5	7299.1	20 795.7	7430.4	21 244.6	7561.7
	30	13 072.7	7473.2	13 531.3	7604.3	13 990.5	7735.4	14 450.3	7866.7
	35	706 245.9	7785.8	706 715.4	7916.8	07 185.6	8047.9	07 656.3	8179.0
	40	699 419.4	8105.8	699 899.9	8236.7	700 381.0	8367.6	700 862.7	8498.7
	45	92 593.3	8433.1	93 084.7	8563.9	698 576.8	8694.8	694 069.4	8825.7
77	50	85 767.6	8767.8	86 269.9	8898.5	86 772.9	9029.2	87 276.5	9160.1
85	55	78 942.3	9109.8	79 455.4	9240.4	79 969.4	9371.1	80 483.9	9501.8
93									
101	00	672 117.3	2 889 459.2	672 641.3	2 899 589.7	673 166.3	2 909 720.2	673 691.7	2 919 850.9
109	05	65 292.7	2 889 815.9	65 827.6	2 899 946.3	66 363.6	2 910 076.8	66 899.9	2 920 207.3
117	10	58 468.5	2 890 180.0	59 014.4	2 900 310.3	59 561.2	0440.7	60 108.5	0571.1
125	15	51 644.6	0551.4	52 201.6	0681.7	52 759.2	0811.9	53 317.5	0942.2
	20	44 821.1	0930.2	45 389.1	1060.4	45 957.6	1190.5	46 526.9	1320.7
	25	37 998.1	1316.4	38 577.0	1446.4	39 156.4	1576.4	39 736.7	1706.5
	30	631 175.6	2 891 709.9	631 765.3	2 901 839.8	632 355.9	2 911 969.7	632 946.9	2 922 099.7

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 48° 00′.		Lat. 48° 05′.		Lat. 48° 10′.		Lat. 48° 15′.	
	x	y	x	y	x	y	x	y
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68								
76								
84								
92 30	1 367 053.1	2 922 099.7	1 366 460.9	2 932 229.8	1 365 868.2	2942359.8	1 365 274.5	2 952 489.9
100 35	60 263.3	1706.5	59 682.1	1836.7	59 100.3	1966.9	58 517.8	2097.1
108 40	53 473.1	1320.7	52 903.0	1451.0	52 332.0	1581.3	51 760.6	1711.6
116 45	46 682.5	0942.2	46 123.3	1072.7	45 563.4	1203.1	45 002.9	1333.5
69 50	39 891.5	0571.1	39 343.3	0701.7	38 794.4	0832.2	38 244.8	0962.8
77 55	33 100.1	2 920 207.3	32 562.9	2 930 338.0	32 025.0	0468.6	31 486.4	0599.3
85								
93 00	1 326 308.3	2 919 850.9	1 325 782.1	2 929 981.7	1 325 255.1	2940 112.4	1 324 727.6	2 950 243.2
101 05	19 516.1	9501.8	19 000.9	9632.7	18 484.8	2939 763.5	17 968.4	2 949 894.5
109 10	12 723.5	9160.1	12 219.3	9291.1	11 714.2	9422.0	11 208.8	9553.1
117 15	1 305 930.6	8825.7	1 305 437.3	8956.8	1 304 943.3	9087.9	1 304 448.8	9219.0
20	1 299 137.3	8498.7	1 298 655.0	8629.9	1 298 172.0	8761.0	1 297 688.4	8892.3
25	92 343.7	8179.0	91 872.3	8310.3	91 400.3	8441.6	90 927.7	8572.9
30	85 549.7	7866.7	85 089.3	7998.1	84 628.3	8129.4	84 166.7	8260.9
35	78 755.4	7561.7	78 306.0	7693.2	77 856.0	7824.6	77 405.3	7956.2
40	71 960.8	7264.1	71 522.4	7395.6	71 083.3	7527.2	70 643.6	7658.8
45	65 165.9	6973.8	64 738.4	7105.4	64 310.3	7237.1	63 881.6	7368.8
70 50	58 370.7	6690.9	57 954.1	6822.6	57 537.0	6954.3	57 119.4	7086.2
78 55	51 575.2	6415.3	51 169.5	6547.1	50 763.4	6678.9	50 356.8	6810.8
86								
94 00	1 244 779.3	2 916 147.0	1 244 384.6	2 926 278.9	1 243 989.5	2 936 410.8	1 243 593.9	2 946 542.8
102 05	37 983.1	5886.1	37 599.5	6018.1	37 215.3	6150.1	36 830.7	6282.2
110 10	31 186.7	5632.6	30 814.1	5764.6	30 440.8	5896.7	30 067.2	6028.9
118 15	24 390.0	5386.4	24 028.4	5518.5	23 666.0	5650.7	23 303.4	5782.9
20	17 593.1	5147.6	17 242.4	5279.7	16 891.0	5412.0	16 539.4	5544.3
25	10 795.9	4916.1	10 456.1	5048.3	10 115.8	5180.6	09 775.1	5313.1
30	1 203 998.5	4691.9	1 203 669.6	4824.2	1 203 340.3	4956.6	1 203 010.6	5089.1
35	1 197 200.8	4475.1	1 196 882.9	4607.5	1 196 564.6	4739.9	1 196 245.9	4872.5
40	90 402.9	4265.7	90 096.0	4398.1	89 788.6	4530.6	89 480.9	4663.3
45	83 604.8	4063.6	83 308.8	4196.1	83 012.4	4328.7	82 715.7	4461.4
71 50	76 806.4	3868.9	76 521.4	4001.4	76 236.0	4134.0	75 950.3	4266.8
79 55	70 007.8	3681.5	69 733.8	3814.1	69 459.4	3946.7	69 184.7	4079.6
87								
95 00	1 163 209.1	2 913 501.4	1 162 946.0	2 923 634.1	1 162 682.5	2 933 766.8	1 162 418.9	2 943 899.7
103 05	56 410.1	3328.7	56 157.9	3461.4	55 905.4	3594.2	55 652.8	3727.2
111 10	49 611.0	3163.4	49 369.8	3296.1	49 128.3	3429.0	48 886.7	3562.0
119 15	42 811.6	3005.3	42 581.4	3138.2	42 350.9	3271.1	42 120.2	3404.1
20	36 012.2	2854.7	35 793.0	2987.6	35 573.5	3120.5	35 353.7	3253.6
25	29 212.5	2711.4	29 004.3	2844.3	28 795.7	2977.3	28 586.9	3110.4
30	22 412.8	2575.4	22 215.5	2708.4	22 017.9	2841.4	21 820.1	2974.6
35	15 612.8	2446.8	15 426.5	2579.8	15 239.9	2712.9	15 053.1	2846.1
40	08 812.8	2325.6	08 637.4	2458.6	08 461.8	2591.6	08 286.0	2725.0
45	1 102 012.6	2211.7	1 101 848.2	2344.7	1 101 683.5	2477.9	1 101 518.7	2611.2
72 50	1 095 212.3	2105.1	1 095 058.9	2238.2	1 094 905.2	2371.4	1 094 751.4	2504.7
80 55	88 411.9	2005.9	88 269.4	2139.0	88 126.7	2272.2	87 983.9	2405.6
88								
96 00	1 081 611.4	2 911 914.0	1 081 479.9	2 922 047.2	1 081 348.1	2932 180.4	1 081 216.3	2 942 313.8
104 05	74 810.6	1829.5	74 690.0	1962.7	74 569.2	2095.9	74 448.4	2229.4
112 10	68 009.8	1752.3	67 900.2	1885.5	67 790.4	2018.8	67 680.5	2152.3
120 15	61 209.0	1682.5	61 110.3	1815.7	61 011.5	1949.1	60 912.6	2082.6
20	54 408.2	1620.1	54 320.5	1753.3	54 232.6	1886.6	54 144.8	2020.1
25	47 607.4	1564.9	47 530.6	1698.2	47 453.8	1831.5	47 376.9	1965.1
30	40 806.6	1517.2	40 740.8	1650.4	40 674.9	1783.8	40 609.0	1917.4
35	34 005.5	1476.8	33 950.7	1610.0	33 895.8	1743.4	33 840.8	1877.0
40	27 204.4	1443.7	27 160.5	1577.0	27 116.6	1710.4	27 072.7	1843.9
45	20 403.3	1418.0	20 370.4	1551.3	20 337.5	1684.7	20 304.5	1818.2
73 50	13 602.2	1399.6	13 580.3	1532.9	13 558.3	1666.3	13 536.3	1799.9
81 55	06 801.1	1388.6	06 790.1	1521.9	06 779.2	1655.3	06 768.2	1788.9
89								
97 00	1 000 000.0	2 911 384.9	1 000 000.0	2 921 518.2	1 000 000.0	2 931 651.6	1 000 000.0	2 941 785.2
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 48° 00′.		Lat. 48° 05′.		Lat. 48° 10′.		Lat. 48° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000. 0	2 911 384. 9	1 000 000. 0	2 921 518. 2	1 000 000. 0	2 931 651. 6	1 000 000. 0	2 941 785. 2
105	05	993 198. 9	1388. 6	993 209. 9	1521. 9	993 220. 8	1655. 3	993 231. 8	1788. 9
113	10	86 397. 8	1399. 6	86 419. 7	1532. 9	86 441. 7	1666. 3	86 463. 7	1799. 9
121	15	79 596. 7	1418. 0	79 629. 6	1551. 3	79 662. 5	1684. 7	79 695. 5	1818. 2
	20	72 795. 6	1443. 7	72 839. 5	1577. 0	72 883. 4	1710. 4	72 927. 3	1843. 9
	25	65 994. 5	1476. 8	66 049. 3	1610. 0	66 104. 2	1743. 4	66 159. 2	1877. 0
	30	59 193. 4	1517. 2	59 259. 2	1650. 4	59 325. 1	1783. 8	59 391. 0	1917. 4
	35	52 392. 6	1564. 9	52 469. 4	1698. 2	52 546. 2	1831. 5	52 623. 1	1965. 1
	40	45 591. 8	1620. 1	45 679. 5	1753. 3	45 767. 4	1886. 6	45 855. 2	2020. 1
	45	38 791. 0	1682. 5	38 889. 7	1815. 7	38 988. 5	1949. 1	39 087. 4	2082. 6
74	50	31 990. 2	1752. 3	32 099. 8	1885. 5	32 209. 6	2018. 8	32 319. 5	2152. 3
82	55	25 189. 4	1829. 5	25 310. 0	1962. 7	25 430. 8	2095. 9	25 551. 6	2229. 4
90									
98	00	918 388. 6	2 911 914. 0	918 520. 1	2 922 047. 2	918 651. 9	2 932 180. 4	918 783. 7	2 942 313. 8
106	05	11 588. 1	2005. 9	11 730. 6	2139. 0	11 873. 3	2272. 2	12 016. 1	2405. 6
114	10	904 787. 7	2105. 1	904 941. 1	2238. 2	905 094. 8	2371. 4	905 248. 6	2504. 7
122	15	897 987. 4	2211. 7	898 151. 8	2344. 7	898 316. 5	2477. 9	898 481. 3	2611. 2
	20	91 187. 2	2325. 6	91 362. 6	2458. 6	91 538. 2	2591. 6	91 714. 0	2725. 0
	25	84 387. 2	2446. 8	84 573. 5	2579. 8	84 760. 1	2712. 9	84 946. 9	2846. 1
	30	77 587. 2	2575. 4	77 784. 5	2708. 4	77 982. 1	2841. 4	78 179. 9	2974. 6
	35	70 787. 5	2711. 4	70 995. 7	2844. 3	71 204. 3	2977. 3	71 413. 1	3110. 4
	40	63 987. 8	2854. 7	64 207. 0	2987. 6	64 426. 5	3120. 5	64 646. 3	3253. 6
	45	57 188. 4	3005. 3	57 418. 6	3138. 2	57 649. 1	3271. 1	57 879. 8	3404. 1
75	50	50 389. 0	3163. 4	50 630. 2	3296. 1	50 871. 7	3429. 0	51 113. 3	3562. 0
83	55	43 589. 9	3328. 7	43 842. 1	3461. 4	44 094. 6	3594. 2	44 347. 2	3727. 2
91									
99	00	836 790. 9	2 913 501. 4	837 054. 0	2 923 634. 1	837 317. 5	2 933 766. 8	837 581. 1	2 943 899. 7
107	05	29 992. 2	3681. 5	30 266. 2	3814. 1	30 540. 6	3946. 7	30 815. 3	4079. 6
115	10	23 193. 6	3868. 9	23 478. 6	4001. 4	23 764. 0	4134. 0	24 049. 7	4266. 8
123	15	16 395. 2	4063. 6	16 691. 2	4196. 1	16 987. 6	4328. 7	17 284. 3	4461. 4
	20	09 597. 1	4265. 7	09 904. 0	4398. 1	10 211. 4	4530. 6	10 519. 1	4663. 3
	25	802 799. 2	4475. 1	803 117. 1	4607. 5	803 435. 4	4739. 9	803 754. 1	4872. 5
	30	796 001. 5	4691. 9	796 330. 4	4824. 2	796 659. 7	4956. 6	796 989. 4	5089. 1
	35	89 204. 1	4916. 1	89 543. 9	5048. 3	89 884. 2	5180. 6	90 224. 9	5313. 1
	40	82 406. 9	5147. 6	82 757. 6	5279. 7	83 109. 0	5412. 0	83 460. 6	5544. 3
	45	75 610. 0	5386. 4	75 971. 6	5518. 5	76 334. 0	5650. 7	76 696. 6	5782. 9
76	50	68 813. 3	5632. 6	69 185. 9	5764. 6	69 559. 2	5896. 7	69 932. 8	6028. 9
84	55	62 016. 9	5886. 1	62 400. 5	6018. 1	62 784. 7	6150. 1	63 169. 3	6282. 2
92									
100	00	755 220. 7	2 916 147. 0	755 615. 4	2 926 278. 9	756 010. 5	2 936 410. 8	756 406. 1	2 946 542. 8
108	05	48 424. 8	6415. 3	48 830. 5	6547. 1	49 236. 6	6678. 9	49 643. 2	6810. 8
116	10	41 629. 3	6690. 9	42 045. 9	6822. 6	42 463. 0	6954. 3	42 880. 6	7086. 2
124	15	34 834. 1	6973. 8	35 261. 6	7105. 4	35 689. 7	7237. 1	36 118. 4	7368. 8
	20	28 039. 2	7264. 1	28 477. 6	7395. 6	28 916. 7	7527. 2	29 356. 4	7658. 8
	25	21 244. 6	7561. 7	21 694. 0	7693. 2	22 144. 0	7824. 6	22 594. 7	7956. 2
	30	14 450. 3	7866. 7	14 910. 7	7998. 1	15 371. 7	8129. 4	15 833. 3	8260. 9
	35	07 656. 3	8179. 0	08 127. 7	8310. 3	08 599. 7	8441. 6	09 072. 3	8572. 9
	40	700 862. 7	8498. 7	701 345. 0	8629. 9	701 828. 0	8761. 0	702 311. 6	8892. 3
	45	694 069. 4	8825. 7	694 562. 7	8956. 8	695 056. 7	9087. 9	695 551. 2	9219. 0
77	50	87 276. 5	9160. 1	87 780. 7	9291. 1	88 285. 8	9422. 0	88 791. 2	9553. 1
85	55	80 483. 9	9501. 8	80 999. 1	9632. 7	81 515. 2	2 939 763. 5	82 031. 6	2 949 894. 5
93									
101	00	673 691. 7	2 919 850. 9	674 217. 9	2 929 981. 7	674 744. 9	2 940 112. 4	675 272. 4	2 950 243. 2
109	05	66 899. 9	2 920 207. 3	67 437. 1	2 930 338. 0	67 975. 0	0468. 6	68 513. 6	0599. 3
117	10	60 108. 5	0571. 1	60 656. 7	0701. 7	61 205. 6	0832. 2	61 755. 2	0962. 8
125	15	53 317. 5	0942. 2	53 876. 7	1072. 7	54 436. 6	1203. 1	54 997. 1	1333. 5
	20	46 526. 9	1320. 7	47 097. 0	1451. 0	47 668. 0	1581. 3	48 239. 4	1711. 6
	25	39 736. 7	1706. 5	40 317. 9	1836. 7	40 899. 7	1966. 9	41 482. 2	2097. 1
	30	632 946. 9	2 922 099. 7	633 539. 1	2 932 229. 8	634 131. 8	2 942 359. 8	634 725. 5	2 952 489. 9

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 48° 15′.		Lat. 48° 20′.		Lat. 48° 25′.		Lat. 48° 30′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
68								
76								
84								
92 30	1 365 274.5	2 952 489.9	1 364 680.3	2 962 620.1	1 364 085.1	2 972 750.3	1 363 489.1	2 982 880.7
100 35	58 517.8	2097.1	57 934.4	2227.4	57 350.3	2357.8	56 765.3	2488.3
108 40	51 760.6	1711.6	51 188.2	1842.1	50 615.0	1972.6	50 041.2	2103.2
116 45	45 002.9	1333.5	44 441.6	1464.1	43 879.5	1594.7	43 316.7	1725.5
69 50	38 244.8	0962.8	37 694.5	1093.5	37 143.4	1224.2	36 591.7	1355.1
77 55	31 486.4	0599.3	30 946.9	0730.1	30 407.0	0861.0	29 866.3	0992.0
85								
93 00	1 324 727.6	2 950 243.2	1 324 199.1	2 960 374.2	1 323 670.3	2 970 505.1	1 323 140.5	2 980 636.3
101 05	17 968.4	2 949 894.5	17 451.0	2 960 025.5	16 933.1	2 970 156.6	16 414.4	2 980 287.9
109 10	11 208.8	9553.1	10 702.5	2 959 684.2	10 195.5	2 969 815.5	09 687.9	2 979 946.9
117 15	1 304 448.8	9219.0	1 303 953.5	9350.3	1 303 457.5	9481.6	1 302 961.0	9613.2
20	1 297 688.4	8892.3	1 297 204.1	9023.7	1 296 719.2	9155.1	1 296 233.7	9286.8
25	90 927.7	8572.9	90 454.4	8704.4	89 980.6	8836.0	89 506.1	8967.7
30	84 166.7	8260.9	83 704.4	8392.5	83 241.6	8524.1	82 778.1	8656.0
35	77 405.3	7956.2	76 954.1	8087.9	76 502.2	8219.6	76 049.9	8351.6
40	70 643.6	7658.8	70 203.5	7790.6	69 762.6	7922.5	69 321.4	8054.6
45	63 881.6	7368.8	63 452.5	7500.7	63 022.7	7632.7	62 592.4	7764.8
70 50	57 119.4	7086.2	56 701.2	7218.1	56 282.4	7350.2	55 863.1	7482.5
78 55	50 356.8	6810.8	49 949.6	6942.9	49 541.8	7075.0	49 133.6	7207.4
86								
94 00	1 243 593.9	2 946 542.8	1 243 197.7	2 956 675.0	1 242 800.9	2 966 807.2	1 242 403.8	2 976 939.7
102 05	36 830.7	6282.2	36 445.5	6414.4	36 059.8	6546.8	35 673.6	6679.3
110 10	30 067.2	6028.9	29 693.0	6161.2	29 318.4	6293.6	28 943.2	6426.3
118 15	23 303.4	5782.9	22 940.3	5915.3	22 576.7	6047.9	22 212.5	6180.6
20	16 539.4	5544.3	16 187.3	5676.8	15 834.7	5809.4	15 481.5	5942.2
25	09 775.1	5313.1	09 434.1	5445.6	09 092.5	5578.3	08 750.4	5711.1
30	1 203 010.6	5089.1	1 202 680.6	5221.7	1 202 350.0	5354.5	1 202 019.0	5487.5
35	1 196 245.9	4872.5	1 195 926.8	5005.2	1 195 607.3	5138.1	1 195 287.3	5271.1
40	89 480.9	4663.3	89 172.8	4796.0	88 864.3	4928.9	88 555.3	5062.1
45	82 715.7	4461.4	82 418.6	4594.2	82 121.1	4727.2	81 823.1	4860.4
71 50	75 950.3	4266.8	75 664.2	4399.7	75 377.7	4532.7	75 090.8	4666.0
79 55	69 184.7	4079.6	68 909.6	4212.5	68 634.1	4345.6	68 358.3	4479.0
87								
95 00	1 162 418.9	2 943 899.7	1 162 154.7	2 954 032.7	1 161 890.3	2 964 165.9	1 161 625.5	2 974 299.3
103 05	55 652.8	3727.2	55 399.6	3860.2	55 146.2	3993.5	54 892.5	4126.9
111 10	48 886.7	3562.0	48 644.5	3695.1	48 402.1	3828.4	48 159.4	3961.9
119 15	42 120.2	3404.1	41 889.1	3537.3	41 657.7	3670.6	41 426.0	3804.2
20	35 353.7	3253.6	35 133.7	3386.8	34 913.3	3520.2	34 692.6	3653.8
25	28 586.9	3110.4	28 378.0	3243.7	28 168.6	3377.1	27 958.9	3510.8
30	21 820.1	2974.6	21 622.2	3107.9	21 423.8	3241.4	21 225.1	3375.1
35	15 053.1	2846.1	14 866.1	2979.5	14 678.8	3113.0	14 491.1	3246.7
40	08 286.0	2725.0	08 110.0	2858.4	07 933.7	2991.9	07 757.1	3125.7
45	1 101 518.7	2611.2	1 101 353.7	2744.6	1 101 188.4	2878.2	1 101 022.8	3012.0
72 50	1 094 751.4	2504.7	1 094 597.3	2638.2	1 094 443.1	2771.8	1 094 288.6	2905.7
80 55	87 983.9	2405.6	87 840.8	2539.1	87 697.6	2672.8	87 554.2	2806.7
88								
96 00	1 081 216.3	2 942 313.8	1 081 084.2	2 952 447.4	1 080 952.1	2 962 581.1	1 080 819.7	2 972 715.0
104 05	74 448.4	2229.4	74 327.3	2362.9	74 206.2	2496.7	74 084.9	2630.6
112 10	67 680.5	2152.3	67 570.5	2285.9	67 460.4	2419.7	67 350.0	2553.6
120 15	60 912.6	2082.6	60 813.6	2216.2	60 714.5	2350.0	60 615.2	2484.0
20	54 144.8	2020.1	54 056.7	2153.8	53 968.6	2287.6	53 880.4	2421.6
25	47 376.9	1965.1	47 299.9	2098.7	47 222.8	2232.6	47 145.5	2366.6
30	40 609.0	1917.4	40 543.0	2051.0	40 476.9	2184.9	40 410.7	2318.9
35	33 840.8	1877.0	33 785.8	2010.6	33 730.8	2144.7	33 675.6	2278.6
40	27 072.7	1843.9	27 028.7	1977.6	26 984.6	2111.5	26 940.5	2245.6
45	20 304.5	1818.2	20 271.5	1951.9	20 238.5	2085.8	20 205.3	2219.9
73 50	13 536.3	1799.9	13 514.3	1933.6	13 492.3	2067.5	13 470.2	2201.6
81 55	06 768.2	1788.9	06 757.2	1922.6	06 746.2	2056.5	06 735.1	2190.6
89								
97 00	1 000 000.0	2 941 785.2	1 000 000.0	2 951 918.9	1 000 000.0	2 962 052.8	1 000 000.0	2 972 186.9
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 48° 15′.		Lat. 48° 20′.		Lat. 48° 25′.		Lat. 48° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	2 941 785.2	1 000 000.0	2 951 918.9	1 000 000.0	2 962 052.8	1 000 000.0	2 972 186.9
105	05	993 231.8	1788.9	993 242.8	1922.6	993 253.8	2056.5	993 264.9	2190.6
113	10	86 463.7	1799.9	86 485.7	1933.6	86 507.7	2067.5	86 529.8	2201.6
121	15	79 695.5	1818.2	79 728.5	1951.9	79 761.5	2085.8	79 794.7	2219.9
	20	72 927.3	1843.9	72 971.3	1977.6	73 015.4	2111.5	73 059.5	2245.6
	25	66 159.2	1877.0	66 214.2	2010.6	66 269.2	2144.7	66 324.4	2278.6
	30	59 391.0	1917.4	59 457.0	2051.0	59 523.1	2184.9	59 589.3	2318.9
	35	52 623.1	1965.1	52 700.1	2098.7	52 777.2	2232.6	52 854.5	2366.6
	40	45 855.2	2020.1	45 943.3	2153.8	46 031.4	2287.6	46 119.6	2421.6
	45	39 087.4	2082.6	39 186.4	2216.2	39 285.5	2350.0	39 384.8	2484.0
74	50	32 319.5	2152.3	32 429.5	2285.9	32 539.6	2419.7	32 650.0	2553.6
82	55	25 551.6	2229.4	25 672.7	2362.9	25 793.8	2496.7	25 915.1	2630.6
90									
98	00	918 783.7	2 942 313.8	918 915.8	2 952 447.4	919 047.9	2 962 581.1	919 180.3	2 972 715.0
106	05	12 016.1	2405.6	12 159.2	2539.1	12 302.4	2672.8	12 445.8	2806.7
114	10	905 248.6	2504.7	905 402.7	2638.2	905 556.9	2771.8	905 711.4	2905.7
122	15	898 481.3	2611.2	898 646.3	2744.6	898 811.6	2878.2	898 977.2	3012.0
	20	91 714.0	2725.0	91 890.0	2858.4	92 066.3	2991.9	92 242.9	3125.7
	25	84 946.9	2846.1	85 133.9	2979.5	85 321.2	3113.0	85 508.9	3246.7
	30	78 179.9	2974.6	78 377.8	3107.9	78 576.2	3241.4	78 774.9	3375.1
	35	71 413.1	3110.4	71 622.0	3243.7	71 831.4	3377.1	72 041.1	3510.8
	40	64 646.3	3253.6	64 866.3	3386.8	65 086.7	3520.2	65 307.4	3653.8
	45	57 879.8	3404.1	58 110.9	3537.3	58 342.3	3670.6	58 574.0	3804.2
75	50	51 113.3	3562.0	51 355.5	3695.1	51 597.9	3828.4	51 840.6	3961.9
83	55	44 347.2	3727.2	44 600.4	3860.2	44 853.8	3993.5	45 107.5	4126.9
91									
99	00	837 581.1	2 943 899.7	837 845.3	2 954 032.7	838 109.7	2 964 165.9	838 374.5	2 974 299.3
107	05	30 815.3	4079.6	31 090.4	4212.5	31 365.9	4345.6	31 641.7	4479.0
115	10	24 049.7	4266.8	24 335.8	4399.7	24 622.3	4532.7	24 909.2	4666.0
123	15	17 284.3	4461.4	17 581.4	4594.2	17 878.9	4727.2	18 176.9	4860.4
	20	10 519.1	4663.3	10 827.2	4796.0	11 135.7	4928.9	11 444.7	5062.1
	25	803 754.1	4872.5	804 073.2	5005.2	804 392.7	5138.1	804 712.7	5271.1
	30	796 989.4	5089.1	797 319.4	5221.7	797 650.0	5354.5	797 981.0	5487.5
	35	90 224.9	5313.1	90 565.9	5445.6	90 907.5	5578.3	91 249.6	5711.1
	40	83 460.6	5544.3	83 812.7	5676.8	84 165.3	5809.4	84 518.5	5942.2
	45	76 696.6	5782.9	77 059.7	5915.3	77 423.3	6047.9	77 787.5	6180.6
76	50	69 932.8	6028.9	70 307.0	6161.2	70 681.6	6293.6	71 056.8	6426.3
84	55	63 169.3	6282.2	63 554.5	6414.4	63 940.2	6546.8	64 326.4	6679.3
92									
100	00	756 406.1	2 946 542.8	756 802.3	2 956 675.0	757 199.1	2 966 807.2	757 596.2	2 976 939.7
108	05	49 643.2	6810.8	50 050.4	6942.9	50 458.2	7075.0	50 866.4	7207.4
116	10	42 880.6	7086.2	43 298.8	7218.1	43 717.6	7350.2	44 136.9	7482.5
124	15	36 118.4	7368.8	36 547.5	7500.7	36 977.3	7632.7	37 407.6	7764.8
	20	29 356.4	7658.8	29 796.5	7790.6	30 237.4	7922.5	30 678.6	8054.6
	25	22 594.7	7956.2	23 045.9	8087.9	23 497.8	8219.6	23 950.1	8351.6
	30	15 833.3	8260.9	16 295.6	8392.5	16 758.4	8524.1	17 221.9	8656.0
	35	09 072.3	8572.9	09 545.6	8704.4	10 019.4	8836.0	10 493.9	8967.7
	40	702 311.6	8892.3	702 795.9	9023.7	703 280.8	9155.1	703 766.3	9286.8
	45	695 551.2	9219.0	696 046.5	9350.3	696 542.5	9481.6	697 039.0	9613.2
77	50	88 791.2	9553.1	89 297.5	2 959 684.2	89 804.5	2 969 815.5	90 312.1	2 979 946.9
85	55	82 031.6	2 949 894.5	82 549.0	2 960 025.5	83 066.9	2 970 156.6	83 585.6	2 980 287.9
93									
101	00	675 272.4	2 950 243.2	675 800.9	2 960 374.2	676 329.7	2 970 505.1	676 859.5	2 980 636.3
109	05	68 513.6	0599.3	69 053.1	0730.1	69 593.0	0861.0	70 133.7	0992.0
117	10	61 755.2	0962.8	62 305.5	1093.5	62 856.6	1224.2	63 408.3	1355.1
125	15	54 997.1	1333.5	55 558.4	1464.1	56 120.5	1594.7	56 683.3	1725.5
	20	48 239.4	1711.6	48 811.8	1842.1	49 385.0	1972.6	49 958.8	2103.2
	25	41 482.2	2097.1	42 065.6	2227.4	42 649.7	2357.8	43 234.7	2488.3
	30	634 725.5	2 952 489.9	635 319.7	2 962 620.1	635 914.9	2 972 750.3	636 510.9	2 982 880.7

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 48° 30′.		Lat. 48° 35′.		Lat. 48° 40′.		Lat. 48° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 363 489.1	2 982 880.7	1 362 892.5	2 993 011.0	1 362 295.1	3 003 141.5	1 361 696.7	3 013 271.9
100 35	56 765.3	2488.3	56 179.8	2618.7	55 593.4	2749.4	55 006.2	2879.9
108 40	50 041.2	2103.2	49 466.7	2233.8	48 891.3	2364.6	48 315.3	2495.3
116 45	43 316.7	1725.5	42 753.2	1856.2	42 188.8	1987.1	41 623.9	2118.0
69 50	36 591.7	1355.1	36 039.3	1486.0	35 485.9	1617.0	34 932.1	1748.0
77 55	29 866.3	0992.0	29 325.0	1123.0	28 782.6	1254.2	28 239.9	1385.3
85								
93 00	1 323 140.5	2 980 636.3	1 322 610.3	2 990 767.4	1 322 079.0	3 000 898.7	1 321 547.4	3 011 030.0
101 05	16 414.4	2 980 287.9	15 895.2	0419.2	15 375.1	0550.6	14 854.4	0682.0
109 10	09 687.9	2 979 946.9	09 179.7	2 990 078.2	08 670.8	3 000 209.8	08 161.1	0341.3
117 15	1 302 961.0	9613.2	1 302 463.9	2 989 744.6	1 301 966.0	2 999 876.3	1 301 467.5	3 010 007.9
20	1 296 233.7	9286.8	1 295 747.6	9418.3	1 295 260.8	9550.1	1 294 773.5	3 009 681.9
25	89 506.1	8967.7	89 031.0	9099.4	88 555.3	9231.3	88 079.0	9363.2
30	82 778.1	8656.0	82 314.1	8787.8	81 849.5	8919.8	81 384.2	9051.8
35	76 049.9	8351.6	75 596.9	8483.5	75 143.3	8615.7	74 689.1	8747.8
40	69 321.4	8054.6	68 879.4	8186.6	68 436.8	8318.8	67 993.7	8451.0
45	62 592.4	7764.8	62 161.6	7897.0	61 730.1	8029.3	61 298.1	8161.6
70 50	55 863.1	7482.5	55 443.4	7614.7	55 023.1	7747.1	54 602.0	7879.6
78 55	49 133.6	7207.4	48 724.9	7339.7	48 315.5	7472.3	47 905.6	7604.8
86								
94 00	1 242 403.8	2 976 939.7	1 242 006.1	2 987 072.1	1 241 607.8	2 997 204.8	1 241 209.0	3 007 337.4
102 05	35 673.6	6679.3	35 287.0	6811.8	34 899.8	6944.6	34 512.1	7077.3
110 10	28 943.2	6426.3	28 567.6	6558.9	28 191.5	6691.7	27 814.9	6824.5
118 15	22 212.5	6180.6	21 848.0	6313.3	21 482.9	6446.2	21 117.4	6579.1
20	15 481.5	5942.2	15 128.1	6075.0	14 774.1	6208.0	14 419.6	6341.0
25	08 750.4	5711.1	08 407.9	5844.0	08 065.0	5977.1	07 721.6	6110.2
30	1 202 019.0	5487.5	1 201 687.5	5620.4	1 201 355.7	5753.6	1 201 023.4	5886.7
35	1 195 287.3	5271.1	1 194 966.9	5404.1	1 194 646.1	5537.4	1 194 324.9	5670.6
40	88 555.3	5062.1	88 246.0	5195.1	87 936.3	5328.5	87 626.2	5461.8
45	81 823.1	4860.4	81 524.9	4993.5	81 226.3	5126.9	80 927.2	5260.3
71 50	75 090.8	4666.0	74 803.6	4799.2	74 516.1	4932.7	74 228.0	5066.2
79 55	68 358.3	4479.0	68 082.1	4612.2	67 805.6	4745.8	67 528.6	4879.3
87								
95 00	1 161 625.5	2 974 299.3	1 161 360.4	2 984 432.6	1 161 094.9	2 994 566.2	1 160 829.1	3 004 699.8
103 05	54 892.5	4126.9	54 638.4	4260.3	54 384.0	4394.0	54 129.3	4527.7
111 10	48 159.4	3961.9	47 916.4	4095.3	47 673.0	4229.1	47 429.4	4362.8
119 15	41 426.0	3804.2	41 194.1	3937.7	40 961.7	4071.5	40 729.2	4205.3
20	34 692.6	3653.8	34 471.7	3787.4	34 250.4	3921.3	34 029.0	4055.1
25	27 958.9	3510.8	27 749.0	3644.4	27 538.8	3778.3	27 328.5	3912.2
30	21 225.1	3375.1	21 026.3	3508.8	20 827.2	3642.7	20 627.9	3776.7
35	14 491.1	3246.7	14 303.4	3380.5	14 115.3	3514.5	13 927.1	3648.5
40	07 757.1	3125.7	07 580.4	3259.5	07 403.4	3393.5	07 226.2	3527.6
45	1 101 022.8	3012.0	1 100 857.2	3145.8	1 100 691.3	3279.9	1 100 525.1	3414.0
72 50	1 094 288.6	2905.7	1 094 134.0	3039.5	1 093 979.2	3173.7	1 093 824.0	3307.8
80 55	87 554.2	2806.7	87 410.6	2940.6	87 266.9	3074.7	87 122.8	3208.9
88								
96 00	1 080 819.7	2 972 715.0	1 080 687.1	2 982 848.9	1 080 554.5	2 992 983.1	1 080 421.5	3 003 117.3
104 05	74 084.9	2630.6	73 963.3	2764.6	73 841.8	2898.8	73 719.8	3033.1
112 10	67 350.0	2553.6	67 239.5	2687.6	67 129.0	2821.9	67 018.2	2956.1
120 15	60 615.2	2484.0	60 515.7	2617.9	60 416.3	2752.2	60 316.5	2886.5
20	53 880.4	2421.6	53 792.0	2555.6	53 703.6	2689.9	53 614.9	2824.2
25	47 145.5	2366.6	47 068.2	2500.6	46 990.8	2635.0	46 913.2	2769.3
30	40 410.7	2318.9	40 344.4	2453.0	40 278.1	2587.3	40 211.6	2721.7
35	33 675.6	2278.6	33 620.3	2412.6	33 565.1	2547.0	33 509.7	2681.4
40	26 940.5	2245.6	26 896.3	2379.7	26 852.1	2514.0	26 807.7	2648.4
45	20 205.3	2219.9	20 172.2	2354.0	20 139.0	2488.4	20 105.8	2622.8
73 50	13 470.2	2201.6	13 448.1	2335.7	13 426.0	2470.1	13 403.9	2604.5
81 55	06 735.1	2190.6	06 724.1	2324.7	06 713.0	2459.1	06 701.9	2593.5
89								
97 00	1 000 000.0	2 972 186.9	1 000 000.0	2 982 321.0	1 000 000.0	2 992 455.4	1 000 000.0	3 002 589.8
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 48° 30′.		Lat. 48° 35′.		Lat. 48° 40′.		Lat. 48° 45′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
73								
81								
89								
97 00	1 000 000. 0	2 972 186. 9	1 000 000. 0	2 982 321. 0	1 000 000. 0	2 992 455. 4	1 000 000. 0	3 002 589. 8
105 05	993 264. 9	2190. 6	993 275. 9	2324. 7	993 287. 0	2459. 1	993 298. 1	2593. 5
113 10	86 529. 8	2201. 6	86 551. 9	2335. 7	86 574. 0	2470. 1	86 596. 1	2604. 5
121 15	79 794. 7	2219. 9	79 827. 8	2354. 0	79 861. 0	2488. 4	79 894. 2	2622. 8
20	73 059. 5	2245. 6	73 103. 7	2379. 7	73 147. 9	2514. 0	73 192. 3	2648. 4
25	66 324. 4	2278. 6	66 379. 7	2412. 6	66 434. 9	2547. 0	66 490. 3	2681. 4
30	59 589. 3	2318. 9	59 655. 6	2453. 0	59 721. 9	2587. 3	59 788. 4	2721. 7
35	52 854. 5	2366. 6	52 931. 8	2500. 6	53 009. 2	2635. 0	53 086. 8	2769. 3
40	46 119. 6	2421. 6	46 208. 0	2555. 6	46 296. 4	2689. 9	46 385. 1	2824. 2
45	39 384. 8	2484. 0	39 484. 3	2617. 9	39 583. 7	2752. 2	39 683. 5	2886. 5
74 50	32 650. 0	2553. 6	32 760. 5	2687. 6	32 871. 0	2821. 9	32 981. 8	2956. 1
82 55	25 915. 1	2630. 6	26 036. 7	2764. 6	26 158. 2	2898. 8	26 280. 2	3033. 1
90								
98 00	919 180. 3	2 972 715. 0	919 312. 9	2 982 848. 9	919 445. 5	2 992 983. 1	919 578. 5	3 003 117. 3
106 05	12 445. 8	2806. 7	12 589. 4	2940. 6	12 733. 1	3074. 7	12 877. 2	3208. 9
114 10	905 711. 4	2905. 7	905 866. 0	3039. 5	906 020. 8	3173. 7	906 176. 0	3307. 8
122 15	898 977. 2	3012. 0	899 142. 8	3145. 8	899 308. 7	3279. 9	899 474. 9	3414. 0
20	92 242. 9	3125. 7	92 419. 6	3259. 5	92 596. 6	3393. 5	92 773. 8	3527. 6
25	85 508. 9	3246. 7	85 696. 6	3380. 5	85 884. 7	3514. 5	86 072. 9	3648. 5
30	78 774. 9	3375. 1	78 973. 7	3508. 8	79 172. 8	3642. 7	79 372. 1	3776. 7
35	72 041. 1	3510. 8	72 251. 0	3644. 4	72 461. 2	3778. 3	72 671. 5	3912. 2
40	65 307. 4	3653. 8	65 528. 3	3787. 4	65 749. 6	3921. 3	65 971. 0	4055. 1
45	58 574. 0	3804. 2	58 805. 9	3937. 7	59 038. 3	4071. 5	59 270. 8	4205. 3
75 50	51 840. 6	3961. 9	52 083. 6	4095. 3	52 327. 0	4229. 1	52 570. 6	4362. 8
83 55	45 107. 5	4126. 9	45 361. 6	4260. 3	45 616. 0	4394. 0	45 870. 7	4527. 7
91								
99 00	838 374. 5	2 974 299. 3	838 639. 6	2 984 432. 6	838 905. 1	2 994 566. 2	839 170. 9	3 004 699. 8
107 05	31 641. 7	4479. 0	31 917. 9	4612. 2	32 194. 4	4745. 8	32 471. 4	4879. 3
115 10	24 909. 2	4666. 0	25 196. 4	4799. 2	25 483. 9	4932. 7	25 772. 0	5066. 2
123 15	18 176. 9	4860. 4	18 475. 1	4993. 5	18 773. 7	5126. 9	19 072. 8	5260. 3
20	11 444. 7	5062. 1	11 754. 0	5195. 1	12 063. 7	5328. 5	12 373. 8	5461. 8
25	804 712. 7	5271. 1	805 033. 1	5404. 1	805 353. 9	5537. 4	805 675. 1	5670. 6
30	797 981. 0	5487. 5	798 312. 5	5620. 4	798 644. 3	5753. 6	798 976. 6	5886. 7
35	91 249. 6	5711. 1	91 592. 1	5844. 0	91 935. 0	5977. 1	92 278. 4	6110. 2
40	84 518. 5	5942. 2	84 871. 9	6075. 0	85 225. 9	6208. 0	85 580. 4	6341. 0
45	77 787. 5	6180. 6	78 152. 0	6313. 3	78 517. 1	6446. 2	78 882. 6	6579. 1
76 50	71 056. 8	6426. 3	71 432. 4	6558. 9	71 808. 5	6691. 7	72 185. 1	6824. 5
84 55	64 326. 4	6679. 3	64 713. 0	6811. 8	65 100. 2	6944. 6	65 487. 9	7077. 3
92								
100 00	757 596. 2	2 976 939. 7	757 993. 9	2 987 072. 1	758 392. 2	2 997 204. 8	758 791. 0	3 007 337. 4
108 05	50 866. 4	7207. 4	51 275. 1	7339. 7	51 684. 5	7472. 3	52 094. 4	7604. 8
116 10	44 136. 9	7482. 5	44 556. 6	7614. 7	44 976. 9	7747. 1	45 398. 0	7879. 6
124 15	37 407. 6	7764. 8	37 838. 4	7897. 0	38 269. 9	8029. 3	38 701. 9	8161. 6
20	30 678. 6	8054. 6	31 120. 6	8186. 6	31 563. 2	8318. 8	32 006. 3	8451. 0
25	23 950. 1	8351. 6	24 403. 1	8483. 5	24 856. 7	8615. 7	25 310. 9	8747. 8
30	17 221. 9	8656. 0	17 685. 9	8787. 8	18 150. 5	8919. 8	18 615. 8	9051. 8
35	10 493. 9	8967. 7	10 969. 0	9099. 4	11 444. 7	9231. 3	11 921. 0	9363. 2
40	703 766. 3	9286. 8	704 252. 4	9418. 3	704 739. 2	9550. 1	705 226. 5	3 009 681. 9
45	697 039. 0	9613. 2	697 536. 1	2 989 744. 6	698 034. 0	2 999 876. 3	698 532. 5	3 010 007. 9
77 50	90 312. 1	2 979 946. 9	90 820. 3	2 990 078. 2	91 329. 2	3 000 209. 8	91 838. 9	0341. 3
85 55	83 585. 6	2 980 287. 9	84 104. 8	0419. 2	84 624. 9	0550. 6	85 145. 6	0682. 0
93								
101 00	676 859. 5	2 980 636. 3	677 389. 7	2 990 767. 4	677 921. 0	3 000 898. 7	678 452. 6	3 011 030. 0
109 05	70 133. 7	0992. 0	70 675. 0	1123. 0	71 217. 4	1254. 2	71 760. 1	1385. 3
117 10	63 408. 3	1355. 1	63 960. 7	1486. 0	64 514. 1	1617. 0	65 067. 9	1748. 0
125 15	56 683. 3	1725. 5	57 246. 8	1856. 2	57 811. 2	1987. 1	58 376. 1	2118. 0
20	49 958. 8	2103. 2	50 533. 3	2233. 8	51 108. 7	2364. 6	51 684. 7	2495. 3
25	43 234. 7	2488. 3	43 820. 2	2618. 7	44 406. 6	2749. 4	44 993. 8	2879. 9
30	636 510. 9	2 982 880. 7	637 107. 5	2 993 011. 0	637 704. 9	3 003 141. 5	638 303. 3	3 013 271. 9

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 48° 45′.		Lat. 48° 50′.		Lat. 48° 55′.		Lat. 49° 00′.	
	x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68								
76								
84								
92 30	1 361 696.7	3 013 271.9	1 361 097.8	3 023 402.6	1 360 497.9	3 033 533.1	1 359 897.2	3 043 663.8
100 35	55 006.2	2879.9	54 418.3	3010.8	53 829.5	3141.4	53 240.2	3272.3
108 40	48 315.3	2495.3	47 738.4	2626.3	47 160.8	2757.1	46 582.7	2888.1
116 45	41 623.9	2118.0	41 058.2	2249.1	40 491.7	2380.1	39 924.6	2511.2
69 50	34 932.1	1748.0	34 377.6	1879.3	33 822.2	2010.4	33 266.1	2141.7
77 55	28 239.9	1385.3	27 696.5	1516.7	27 152.2	1648.0	26 607.3	1779.4
85								
93 00	1 321 547.4	3 011 030.0	1 321 015.0	3 021 161.5	1 320 481.8	3 031 292.9	1 319 948.1	3 041 424.5
101 05	14 854.4	0682.0	14 333.1	0813.7	13 811.1	0945.2	13 288.5	1076.9
109 10	08 161.1	0341.3	07 650.9	0473.1	07 140.0	0604.8	1 306 628.6	0736.6
117 15	1 301 467.5	3 010 007.9	1 300 968.4	3 020 139.9	1 300 468.5	3 030 271.7	1 299 968.3	0403.7
20	1 294 773.5	3 009 681.9	1 294 285.5	3 019 814.0	1 293 796.7	3 029 945.9	93 307.6	3 040 078.0
25	88 079.0	9363.2	87 602.2	9495.4	87 124.5	9627.4	86 646.5	3 039 759.7
30	81 384.2	9051.8	80 918.6	9184.1	80 452.0	9316.3	79 985.0	9448.7
35	74 689.1	8747.8	74 234.5	8880.2	73 779.1	9012.5	73 323.2	9145.0
40	67 993.7	8451.0	67 550.1	8583.6	67 105.9	8716.0	66 661.1	8848.6
45	61 298.1	8161.6	60 865.5	8294.3	60 432.3	8426.8	59 998.8	8559.6
70 50	54 602.0	7879.6	54 180.6	8012.3	53 758.5	8145.0	53 336.2	8277.8
78 55	47 905.6	7604.8	47 495.4	7737.7	47 084.4	7870.4	46 673.2	8003.4
86								
94 00	1 241 209.0	3 007 337.4	1 240 809.9	3 017 470.4	1 240 410.0	3 027 603.2	1 240 009.8	3 037 736.3
102 05	34 512.1	7077.3	34 124.0	7210.4	33 735.3	7343.3	33 346.1	7476.5
110 10	27 814.9	6824.5	27 437.8	6957.7	27 060.3	7090.8	26 682.2	7224.0
118 15	21 117.4	6579.1	20 751.4	6712.4	20 385.0	6845.5	20 018.0	6978.9
20	14 419.6	6341.0	14 064.7	6474.4	13 709.4	6607.6	13 353.6	6741.1
25	07 721.6	6110.2	07 377.8	6243.7	07 033.6	6377.0	06 688.9	6510.6
30	1 201 023.4	5886.7	1 200 690.7	6020.3	1 200 357.6	6153.7	1 200 024.0	6287.4
35	1 194 324.9	5670.6	1 194 003.3	5804.2	1 193 681.3	5937.7	1 193 358.8	6071.5
40	87 626.2	5461.8	87 315.6	5595.5	87 004.8	5729.1	86 693.4	5862.9
45	80 927.2	5260.3	80 627.8	5394.1	80 328.0	5527.8	80 027.8	5661.7
71 50	74 228.0	5066.2	73 939.8	5200.0	73 651.0	5333.7	73 362.0	5467.8
79 55	67 528.6	4879.3	67 251.5	5013.3	66 973.8	5147.1	66 695.9	5281.1
87								
95 00	1 160 829.1	3 004 699.8	1 160 563.0	3 014 833.8	1 160 296.4	3 024 967.7	1 160 029.6	3 035 101.9
103 05	54 129.3	4527.7	53 874.2	4661.7	53 618.8	4795.7	53 363.1	4929.9
111 10	47 429.4	4362.8	47 185.4	4497.0	46 941.1	4630.9	46 696.5	4765.2
119 15	40 729.2	4205.3	40 496.3	4339.5	40 263.1	4473.5	40 029.6	4607.9
20	34 029.0	4055.1	33 807.2	4189.3	33 585.1	4323.5	33 362.7	4457.9
25	27 328.5	3912.2	27 117.8	4046.5	26 906.8	4180.7	26 695.5	4315.2
30	20 627.9	3776.7	20 428.3	3911.0	20 228.4	4045.3	20 028.2	4179.8
35	13 927.1	3648.5	13 738.6	3782.9	13 549.8	3917.2	13 360.7	4051.7
40	07 226.2	3527.6	07 048.8	3662.0	06 871.1	3796.4	06 693.2	3931.0
45	1 100 525.1	3414.0	1 100 358.9	3548.5	1 100 192.2	3682.9	1 100 025.5	3817.6
72 50	1 093 824.0	3307.8	1 093 668.9	3442.3	1 093 513.3	3576.7	1 093 357.7	3711.5
80 55	87 122.8	3208.9	86 978.7	3343.5	86 834.2	3477.9	86 689.7	3612.7
88								
96 00	1 080 421.5	3 003 117.3	1 080 288.5	3 013 251.9	1 080 155.1	3 023 386.4	1 080 021.7	3 033 521.2
104 05	73 719.8	3033.1	73 597.9	3167.7	73 475.6	3302.2	73 353.3	3437.0
112 10	67 018.2	2956.1	66 907.4	3090.8	66 796.2	3225.3	66 685.0	3360.2
120 15	60 316.5	2886.5	60 216.8	3021.2	60 116.7	3155.8	60 016.7	3290.7
20	53 614.9	2824.2	53 526.2	2959.0	53 437.3	3093.6	53 348.4	3228.5
25	46 913.2	2769.3	46 835.7	2904.0	46 757.8	3038.7	46 680.0	3173.6
30	40 211.6	2721.7	40 145.1	2856.4	40 078.4	2991.1	40 011.7	3126.0
35	33 509.7	2681.4	33 454.3	2816.1	33 398.7	2950.8	33 343.1	3085.8
40	26 807.7	2648.4	26 763.4	2783.2	26 718.9	2917.9	26 674.5	3052.8
45	20 105.8	2622.8	20 072.6	2757.6	20 039.2	2892.2	20 005.8	3027.2
73 50	13 403.9	2604.5	13 381.7	2739.2	13 359.5	2873.9	13 337.2	3008.9
81 55	06 701.9	2593.5	06 690.9	2728.3	06 679.7	2863.0	06 668.6	2998.0
89								
97 00	1 000 000.0	3 002 589.8	1 000 000.0	3 012 724.6	1 000 000.0	3 022 859.3	1 000 000.0	3 032 994.3
105								
113								
121								

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 48° 45′.		Lat. 48° 50′.		Lat. 48° 55′.		Lat. 49° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73									
81									
89									
97	00	1 000 000.0	3 002 589.8	1 000 000.0	3 012 724.6	1 000 000.0	3 022 859.3	1 000 000.0	3 032 994.3
105	05	993 298.1	2593.5	993 309.1	2728.3	993 320.3	2863.0	993 331.4	2998.0
113	10	86 596.1	2604.5	86 618.3	2739.2	86 640.5	2873.9	86 662.8	3008.9
121	15	79 894.2	2622.8	79 927.4	2757.6	79 960.8	2892.2	79 994.2	3027.2
	20	73 192.3	2648.4	73 236.6	2783.2	73 281.1	2917.9	73 325.5	3052.8
	25	66 490.3	2681.4	66 545.7	2816.1	66 601.3	2950.8	66 656.9	3085.8
	30	59 788.4	2721.7	59 854.9	2856.4	59 921.6	2991.1	59 988.3	3126.0
	35	53 086.8	2769.3	53 164.3	2904.0	53 242.2	3038.7	53 320.0	3173.6
	40	46 385.1	2824.2	46 473.8	2959.0	46 562.7	3093.6	46 651.6	3228.5
	45	39 683.5	2886.5	39 783.2	3021.2	39 883.3	3155.8	39 983.3	3290.7
74	50	32 981.8	2956.1	33 092.6	3090.8	33 203.8	3225.3	33 315.0	3360.2
82	55	26 280.2	3033.1	26 402.1	3167.7	26 524.4	3302.2	26 646.7	3437.0
90									
98	00	919 578.5	3 003 117.3	919 711.5	3 013 251.9	919 844.9	3 023 386.4	919 978.3	3 033 521.2
106	05	12 877.2	3208.9	13 021.3	3343.5	13 165.8	3477.9	13 310.3	3612.7
114	10	906 176.0	3307.8	906 331.1	3442.3	906 486.7	3576.7	906 642.3	3711.5
122	15	899 474.9	3414.0	899 641.1	3548.5	899 807.8	3682.9	899 974.5	3817.6
	20	92 773.8	3527.6	92 951.2	3662.0	93 128.9	3796.4	93 306.8	3931.0
	25	86 072.9	3648.5	86 261.4	3782.9	86 450.2	3917.2	86 639.3	4051.7
	30	79 372.1	3776.7	79 571.7	3911.0	79 771.6	4045.3	79 971.8	4179.8
	35	72 671.5	3912.2	72 882.2	4046.5	73 093.2	4180.7	73 304.5	4315.2
	40	65 971.0	4055.1	66 192.8	4189.3	66 414.9	4323.5	66 637.3	4457.9
	45	59 270.8	4205.3	59 503.7	4339.5	59 736.9	4473.5	59 970.4	4607.9
75	50	52 570.6	4362.8	52 814.6	4497.0	53 058.9	4630.9	53 303.5	4765.2
83	55	45 870.7	4527.7	46 125.8	4661.7	46 381.2	4795.7	46 636.9	4929.9
91									
99	00	839 170.9	3 004 699.8	839 437.0	3 014 833.8	839 703.6	3 024 967.7	839 970.4	3 035 101.9
107	05	32 471.4	4879.3	32 748.5	5013.3	33 026.2	5147.1	33 304.1	5281.1
115	10	25 772.0	5066.2	26 060.2	5200.0	26 349.0	5333.7	26 638.0	5467.8
123	15	19 072.8	5260.3	19 372.2	5394.1	19 672.0	5527.8	19 972.2	5661.7
	20	12 373.8	5461.8	12 684.4	5595.5	12 995.2	5729.1	13 306.6	5862.9
	25	805 675.1	5670.6	805 996.7	5804.2	806 318.7	5937.7	806 641.2	6071.5
	30	798 976.5	5886.7	799 309.3	6020.3	799 642.4	6153.7	799 976.0	6287.4
	35	92 278.4	6110.2	92 622.2	6243.7	92 966.4	6377.0	93 311.1	6510.6
	40	85 580.4	6341.0	85 935.3	6474.4	86 290.6	6607.6	86 646.4	6741.1
	45	78 882.6	6579.1	79 248.6	6712.4	79 615.0	6845.5	79 982.0	6978.9
76	50	72 185.1	6824.5	72 562.2	6957.7	72 939.7	7090.8	73 317.8	7224.0
84	55	65 487.9	7077.3	65 876.0	7210.4	66 264.7	7343.3	66 653.9	7476.5
92									
100	00	758 791.0	3 007 337.4	759 190.1	3 017 470.4	759 590.0	3 027 603.2	759 990.2	3 037 736.3
108	05	52 094.4	7604.8	52 504.6	7737.7	52 915.6	7870.4	53 326.8	8003.4
116	10	45 398.0	7879.6	45 819.4	8012.3	46 241.5	8145.0	46 663.8	8277.8
124	15	38 701.9	8161.6	39 134.5	8294.3	39 567.7	8426.8	40 001.2	8559.6
	20	32 006.3	8451.0	32 449.9	8583.6	32 894.1	8716.0	33 338.9	8848.6
	25	25 310.9	8747.8	25 765.5	8880.2	26 220.9	9012.5	26 676.8	9145.0
	30	18 615.8	9051.8	19 081.4	9184.1	19 548.0	9316.3	20 015.0	9448.7
	35	11 921.0	9363.2	12 397.8	9495.4	12 875.5	9627.4	13 353.5	3 039 759.7
	40	705 226.5	3 009 681.9	705 714.5	3 019 814.0	706 203.3	3 029 945.9	06 692.4	3 040 078.0
	45	698 532.5	3 010 007.9	699 031.6	3 020 139.9	699 531.5	3 030 271.7	700 031.7	0403.7
77	50	91 838.9	0341.3	92 349.1	0473.1	92 860.0	0604.8	693 371.4	0736.6
85	55	85 145.6	0682.0	85 666.9	0813.7	86 188.9	0945.2	86 711.5	1076.9
93									
101	00	678 452.6	3 011 030.0	678 985.0	3 021 161.5	679 518.2	3 031 292.9	680 051.9	3 041 424.5
109	05	71 760.1	1385.3	72 303.5	1516.7	72 847.8	1648.0	73 392.7	1779.4
117	10	65 067.9	1748.0	65 622.4	1879.3	66 177.8	2010.4	66 733.9	2141.7
125	15	58 376.1	2118.0	58 941.8	2249.1	59 508.3	2380.1	60 075.4	2511.2
	20	51 684.7	2495.3	52 261.6	2626.3	52 839.2	2757.1	53 417.3	2888.1
	25	44 993.8	2879.9	45 581.7	3010.8	46 170.5	3141.4	46 759.8	3272.3
	30	638 303.3	3 013 271.9	638 902.2	3 023 402.6	639 502.1	3 033 533.1	640 102.8	3 043 663.8

Grid coordinates for five-minute intersections—Continued.

Long.		Lat. 49° 00′.		Lat. 49° 05′.		Lat. 49° 10′.	
		x	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
68							
76							
84							
92	30	1 359 897.2	3 043 663.8	1 359 295.9	3 053 794.6	1 358 693.9	3 06 3925.3
100	35	53 240.2	3272.3	52 649.9	3403.3	52 058.9	3534.1
108	40	46 582.7	2888.1	46 003.5	3019.2	45 423.6	3150.2
116	45	39 924.6	2511.2	39 356.6	2642.5	38 788.0	2773.7
69	50	33 266.1	2141.7	32 709.3	2273.1	32 152.0	2404.4
77	55	26 607.3	1779.4	26 061.6	1911.0	25 515.5	2042.4
85							
93	00	1 319 948.1	3 041 424.5	1 319 413.5	3 051 556.2	1 318 878.5	3 061 687.9
101	05	13 288.5	1076.9	12 765.0	1208.8	12 241.1	1340.6
109	10	1 306 628.6	0736.6	1 306 116.2	0868.6	1 305 603.4	1000.6
117	15	1 299 968.3	0403.7	1 299 467.0	0535.8	1 298 965.4	0667.9
	20	93 307.6	3 040 078.0	92 817.5	3 050 210.3	92 327.0	0342.5
	25	86 646.5	3 039 759.7	86 167.6	3 049 892.1	85 688.2	3 060 024.4
	30	79 985.0	9448.7	79 517.3	9581.2	79 049.1	3 059 713.7
	35	73 323.2	9145.0	72 866.6	9277.6	72 409.6	9410.2
	40	66 661.1	8848.6	66 215.7	8981.4	65 769.8	9114.1
	45	59 998.8	8559.6	59 564.5	8692.4	59 129.7	8825.3
70	50	53 336.2	8277.8	52 913.0	8410.8	52 489.3	8543.8
78	55	46 673.2	8003.4	46 261.1	8136.5	45 848.6	8269.6
86							
94	00	1 240 009.8	3 037 736.3	1 239 608.9	3 047 869.5	1 239 207.6	3 058 002.7
102	05	33 346.1	7476.5	32 956.4	7609.8	32 566.2	7743.1
110	10	26 682.2	7224.0	26 303.6	7357.4	25 924.5	7490.9
118	15	20 018.0	6978.9	19 650.6	7112.4	19 282.6	7245.9
	20	13 353.6	6741.1	12 997.3	6874.7	12 640.5	7008.3
	25	06 688.9	6510.6	1 206 343.7	6644.2	1 205 998.2	6778.0
	30	1 200 024.0	6287.4	1 199 689.9	6421.1	1 199 355.6	6554.9
	35	1 193 358.8	6071.5	93 035.9	6205.3	92 712.7	6339.2
	40	86 693.4	5862.9	86 381.6	5996.9	86 069.5	6130.9
	45	80 027.8	5661.7	79 727.1	5795.7	79 426.1	5929.8
71	50	73 362.0	5467.8	73 072.4	5601.9	72 782.6	5736.0
79	55	66 695.9	5281.1	66 417.5	5415.3	66 138.8	5549.6
87							
95	00	1 160 029.6	3 035 101.9	1 159 762.4	3 045 236.1	1 159 494.8	3 055 370.4
103	05	53 363.1	4929.9	53 107.0	5064.2	52 850.6	5198.6
111	10	46 696.5	4765.2	46 451.5	4899.6	46 206.3	5034.1
119	15	40 029.6	4607.9	39 795.8	4742.3	39 561.7	4876.9
	20	33 362.7	4457.9	33 140.0	4592.4	32 917.1	4727.0
	25	26 695.5	4315.2	26 483.9	4449.7	26 272.2	4584.4
	30	20 028.2	4179.8	19 827.8	4314.4	19 627.3	4449.1
	35	13 360.7	4051.7	13 171.5	4186.4	12 982.0	4321.2
	40	06 693.2	3931.0	1 106 515.1	4065.7	1 106 336.7	4200.5
	45	1 100 025.5	3817.6	1 099 858.5	3952.3	1 099 691.3	4087.2
72	50	1 093 357.7	3711.5	93 201.9	3846.3	93 045.8	3981.2
80	55	86 689.7	3612.7	86 545.1	3747.5	86 400.2	3882.5
88							
96	00	1 080 021.7	3 033 521.2	1 079 888.2	3 043 656.1	1 079 754.5	3 053 791.1
104	05	73 353.3	3437.0	73 231.0	3572.1	73 108.4	3707.0
112	10	66 685.0	3360.2	66 573.7	3495.1	66 462.4	3630.2
120	15	60 016.7	3290.7	59 916.5	3425.7	59 816.3	3560.7
	20	53 348.4	3228.5	53 259.3	3363.5	53 170.2	3498.6
	25	46 680.0	3173.6	46 602.1	3308.6	46 524.2	3443.7
	30	40 011.7	3126.0	39 944.9	3261.1	39 878.1	3396.2
	35	33 343.1	3085.8	33 287.4	3220.8	33 231.8	3356.0
	40	26 674.5	3052.8	26 629.9	3187.9	26 585.4	3323.1
	45	20 005.8	3027.2	19 972.4	3162.3	19 939.1	3297.5
73	50	13 337.2	3008.9	13 315.0	3144.0	13 292.7	3279.2
81	55	06 668.6	2998.0	06 657.5	3133.1	06 646.4	3268.3
89							
97	00	1 000 000.0	3 032 994.3	1 000 000.0	3 043 129.4	1 000 000.0	3 053 264.6
105							
113							
121							

Grid coordinates for five-minute intersections—Continued.

Long.	Lat. 49° 00′.		Lat. 49° 05′.		Lat. 49° 10′.	
	x	*y*	*x*	*y*	*x*	*y*
° ′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
73						
81						
89						
97 00	1 000 000.0	3 032 994.3	1 000 000.0	3 043 129.4	1 000 000.0	3 053 264.6
105 05	993 331.4	2998.0	993 342.5	3133.1	993 353.6	3268.3
113 10	86 662.8	3008.9	86 685.0	3144.0	86 707.3	3279.2
121 15	79 994.2	3027.2	80 027.6	3162.3	80 060.9	3297.5
20	73 325.5	3052.8	73 370.1	3187.9	73 414.6	3323.1
25	66 656.9	3085.8	66 712.6	3220.8	66 768.2	3356.0
30	59 988.3	3126.0	60 055.1	3261.1	60 121.9	3396.2
35	53 320.0	3173.6	53 397.9	3308.6	53 475.8	3443.7
40	46 651.6	3228.5	46 740.7	3363.5	46 829.8	3498.6
45	39 983.3	3290.7	40 083.5	3425.7	40 183.7	3560.7
74 50	33 315.0	3360.2	33 426.3	3495.1	33 537.6	3630.2
82 55	26 646.7	3437.0	26 769.0	3572.1	26 891.6	3707.0
90						
98 00	919 978.3	3 033 521.2	920 111.8	3 043 656.1	920 245.5	3 053 791.1
106 05	13 310.3	3612.7	13 454.9	3747.5	13 599.8	3882.5
114 10	906 642.3	3711.5	06 798.1	3846.3	06 954.2	3981.2
122 15	899 974.5	3817.6	900 141.5	3952.3	900 308.7	4087.2
20	93 306.8	3931.0	893 484.9	4065.7	893 663.3	4200.5
25	86 639.3	4051.7	86 828.5	4186.4	87 018.0	4321.2
30	79 971.8	4179.8	80 172.2	4314.4	80 372.7	4449.1
35	73 304.5	4315.2	73 516.1	4449.7	73 727.8	4584.4
40	66 637.3	4457.9	66 860.0	4592.4	67 082.9	4727.0
45	59 970.4	4607.9	60 204.2	4742.3	60 438.3	4876.9
75 50	53 303.5	4765.2	53 548.5	4899.6	53 793.7	5034.1
83 55	46 636.9	4929.9	46 893.0	5064.2	47 149.4	5198.6
91						
99 00	839 970.4	3 035 101.9	840 237.6	3 045 236.1	840 505.2	3 055 370.4
107 05	33 304.1	5281.1	33 582.5	5415.3	33 861.2	5549.6
115 10	26 638.0	5467.8	26 927.6	5601.9	27 217.4	5736.0
123 15	19 972.2	5661.7	20 272.9	5795.7	20 573.9	5929.8
20	13 306.6	5862.9	13 618.4	5996.9	13 930.5	6130.9
25	806 641.2	6071.5	06 964.1	6205.3	07 287.3	6339.2
30	799 976.0	6287.4	800 310.1	6421.1	800 644.4	6554.9
35	93 311.1	6510.6	793 656.3	6644.2	794 001.8	6778.0
40	86 646.4	6741.1	87 002.7	6874.7	87 359.5	7008.3
45	79 982.0	6978.9	80 349.4	7112.4	80 717.4	7245.9
76 50	73 317.8	7224.0	73 696.4	7357.4	74 075.5	7490.9
84 55	66 653.9	7476.5	67 043.6	7609.8	67 433.8	7743.1
92						
100 00	759 990.2	3 037 736.3	760 391.1	3 047 869.5	760 792.4	3 058 002.7
108 05	53 326.8	8003.4	53 738.9	8136.5	54 151.4	8269.6
116 10	46 663.8	8277.8	47 087.0	8410.8	47 510.7	8543.8
124 15	40 001.2	8559.6	40 435.5	8692.4	40 870.3	8825.3
20	33 338.9	8848.6	33 784.3	8981.4	34 230.2	9114.1
25	26 676.8	9145.0	27 133.4	9277.6	27 590.4	9410.2
30	20 015.0	9448.7	20 482.7	9581.2	20 950.9	3 059 713.7
35	13 353.5	3 039 759.7	13 832.4	3 049 892.1	14 311.3	3 060 024.4
40	06 692.4	3 040 078.0	07 182.5	3 050 210.3	07 673.0	0342.5
45	700 031.7	0403.7	700 533.0	0535.8	701 034.6	0667.9
77 50	693 371.4	0736.6	693 883.8	0868.6	694 396.6	1000.6
85 55	86 711.5	1076.9	87 235.0	1208.8	87 758.9	1340.6
93						
101 00	680 051.9	3 041 424.5	680 586.5	3 051 556.2	681 121.5	3 061 687.9
109 05	73 392.7	1779.4	73 938.4	1911.0	74 484.5	2042.4
117 10	66 733.9	2141.7	67 290.7	2273.1	67 848.0	2404.4
125 15	60 075.4	2511.2	60 643.4	2642.5	61 212.0	2773.7
20	53 417.3	2888.1	53 996.5	3019.2	54 576.4	3150.2
25	46 759.8	3272.3	47 350.1	3403.3	47 941.1	3534.1
30	640 102.8	3 043 663.8	640 704.1	3 053 794.6	641 306.1	3 063 925.3

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE.

Long.		Lat. 44° 00′.		Lat. 44° 05′.		Lat. 44° 10′.		Lat. 44° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
66	30	1 569 569.9	2 447 617.1	1 568 770.4	2 457 745.5	1 567 969.5	2 467 873.8	1 567 167.7	2 478 002.0
	35	62 282.4	7045.3	61 493.2	7173.7	60 702.7	7301.9	59 911.2	7430.0
	40	54 994.6	6480.9	54 215.6	6609.2	53 435.5	6737.4	52 654.1	6865.5
	45	47 706.1	5923.9	46 937.5	6052.1	46 167.6	6180.2	45 396.6	6308.3
	50	40 417.0	5374.2	39 658.7	5502.3	38 899.0	5630.4	38 138.3	5758.5
	55	33 127.4	4831.9	32 379.4	4959.9	31 629.9	5087.9	30 879.6	5216.0
67	00	1 525 837.3	2 444 296.9	1 525 099.5	2 454 424.9	1 524 360.2	2 464 552.9	1 523 620.4	2 474 680.9
	05	18 546.7	3769.3	17 819.0	3897.2	17 090.2	4025.2	16 360.5	4153.1
	10	11 255.5	3249.1	10 538.1	3377.0	09 819.7	3504.9	09 100.1	3632.8
	15	1 503 963.7	2736.2	1 503 256.6	2864.1	1 502 548.4	2991.9	1 501 839.2	3119.8
	20	1 496 671.6	2230.7	1 495 974.7	2358.6	1 495 276.7	2486.4	1 494 577.8	2614.2
	25	89 378.8	1732.6	88 692.2	1860.4	88 004.6	1988.1	87 316.0	2115.9
	30	82 085.6	1241.9	81 409.2	1369.6	80 731.9	1497.3	80 053.6	1625.0
	35	74 791.8	0758.5	74 125.7	0886.1	73 458.6	1013.8	72 790.7	1141.5
	40	67 497.6	2 440 282.5	66 841.7	2 450 410.1	66 185.0	0537.7	65 527.2	0665.4
	45	60 202.8	2 439 813.8	59 557.3	2 449 941.4	58 910.8	2 460 068.9	58 263.4	2 470 196.6
	50	52 907.7	9352.5	52 272.4	9480.1	51 636.1	2 459 607.6	50 999.2	2 469 735.2
	55	45 612.0	8898.6	44 987.0	9026.2	44 361.0	9153.7	43 734.3	9281.1
68	00	1 438 315.9	2 438 452.1	1 437 701.3	2 448 579.6	1 437 085.5	2 458 707.0	1 436 469.0	2 468 834.5
	05	31 019.4	8012.8	30 415.0	8140.3	29 809.5	8267.6	29 203.3	8395.1
	10	23 722.5	7580.9	23 128.2	7708.3	22 533.1	7835.6	21 937.1	7963.0
	15	16 425.0	7156.4	15 841.1	7283.7	15 256.2	7411.0	14 670.6	7538.4
	20	09 127.2	6739.2	08 553.5	6866.5	07 978.9	6993.8	07 403.6	7121.3
	25	1 401 829.0	6329.5	1 401 265.5	6456.9	1 400 701.2	6583.9	1 400 136.1	6711.3
68	30	1 394 530.5	2 435 927.1	1 393 977.2	2 446 054.3	1 393 423.1	2 456 181.5	1 392 868.2	2 466 308.8

Long.		Lat. 44° 15′.		Lat. 44° 20′.		Lat. 44° 25′.		Lat. 44° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
66	30	1 567 167.7	2 478 002.0	1 566 364.3	2 488 130.3	1 565 560.1	2 498 258.5	1 564 754.7	2 508 386.7
	35	59 911.2	7430.0	59 118.3	7558.4	58 324.3	7686.5	57 529.1	7814.6
	40	52 654.1	6865.5	51 871.5	6993.8	51 088.0	7121.9	50 303.0	7249.9
	45	45 396.6	6308.3	44 624.2	6436.5	43 851.0	6564.6	43 076.5	6692.6
	50	38 138.3	5758.5	37 376.4	5886.6	36 613.5	6014.7	35 849.3	6142.7
	55	30 879.6	5216.0	30 127.9	5344.1	29 375.4	5472.2	28 621.6	5600.1
67	00	1 523 620.4	2 474 680.9	1 522 879.0	2 484 809.0	1 522 136.7	2 494 937.0	1 521 393.3	2 505 064.9
	05	16 360.5	4153.1	15 629.5	4281.2	14 897.5	4409.2	14 164.4	4537.1
	10	09 100.1	3632.8	08 379.4	3760.8	07 657.9	3888.7	1 506 935.0	4016.6
	15	1 501 839.2	3119.8	1 501 128.9	3247.7	1 500 417.6	3375.6	1 499 705.2	3503.5
	20	1 494 577.8	2614.2	1 493 877.8	2742.1	1 492 176.8	2869.9	92 474.7	2997.7
	25	87 316.0	2115.9	86 626.2	2243.7	85 935.6	2371.5	85 243.8	2499.3
	30	80 053.6	1625.0	79 374.1	1752.8	78 693.8	1880.6	78 012.4	2008.3
	35	72 790.7	1141.5	72 121.5	1269.3	71 451.5	1397.0	70 780.5	1524.7
	40	65 527.2	0665.4	64 868.5	0793.1	64 208.7	0920.8	63 548.1	1048.5
	45	58 263.4	2 470 196.6	57 614.9	2 480 324.2	56 965.5	2 490 452.0	56 315.2	0579.7
	50	50 999.2	2 469 735.2	50 360.8	2 479 862.8	49 721.9	2 489 990.5	49 081.8	2 500 118.2
	55	43 734.3	9281.1	43 106.3	9408.7	42 477.7	9536.4	41 847.9	2 499 664.1
68	00	1 436 469.0	2 468 834.5	1 435 851.4	2 478 962.1	1 435 233.0	2 489 089.7	1 434 613.6	2 499 217.3
	05	29 203.3	8395.1	28 596.0	8522.6	27 987.9	8650.2	27 378.9	8777.8
	10	21 937.1	7963.0	21 340.1	8090.6	20 742.4	8218.1	20 143.7	8345.7
	15	14 670.6	7538.4	14 083.8	7665.9	13 496.5	7793.4	12 908.1	7920.9
	20	07 403.6	7121.3	1 406 827.2	7248.6	1 406 250.1	7376.1	1 405 672.0	7503.6
	25	1 400 136.1	6711.3	1 399 570.0	6838.7	1 399 003.2	6966.2	1 398 435.6	7093.6
68	30	1 392 868.2	2 466 308.8	1 392 312.5	2 476 436.2	1 391 756.0	2 486 563.6	1 391 198.7	2 496 691.1

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE—Continued.

Long.		Lat. 44° 30′.		Lat. 44° 35′.		Lat. 44° 40′.		Lat. 44° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
66	30	1 564 754.7	2 508 386.7	1 563 947.9	2 518 514.8	1 563 139.9	2 528 642.8	1 562 330.5	2 538 770.8
	35	57 529.1	7814.6	56 732.8	7942.7	55 935.1	8070.7	55 136.4	8198.7
	40	50 303.0	7249.9	49 517.1	7378.0	48 729.8	7506.0	47 941.5	7634.0
	45	43 076.5	6692.6	42 300.9	6820.7	41 524.0	6948.7	40 746.1	7076.6
	50	35 849.3	6142.7	35 084.0	6270.7	34 317.5	6398.6	33 549.9	6526.6
	55	28 621.6	5600.1	27 866.6	5728.1	27 110.5	5856.0	26 353.3	5984.0
67	00	1 521 393.3	2 505 064.9	1 520 648.7	2 515 192.8	1 519 903.0	2 525 320.7	1 519 156.1	2 535 448.7
	05	14 164.4	4537.1	13 430.2	4665.0	12 694.9	4792.8	11 958.4	4920.8
	10	1 506 935.0	4016.6	1 506 211.3	4144.5	1 505 486.2	4272.3	1 504 760.2	4400.2
	15	1 499 705.2	3503.5	1 498 991.7	3631.4	1 498 277.0	3759.2	1 497 561.4	3887.1
	20	92 474.7	2997.7	91 771.7	3125.6	91 067.4	3253.4	90 362.1	3381.3
	25	85 243.8	2499.3	84 551.1	2627.2	83 857.2	2755.0	83 162.2	2882.9
	30	78 012.4	2008.3	77 330.0	2136.2	76 646.5	2264.0	75 962.0	2391.8
	35	70 780.5	1524.7	70 108.5	1652.5	69 435.4	1780.3	68 761.3	1908.1
	40	63 548.1	1048.5	62 886.3	1176.3	62 223.8	1304.0	61 559.8	1431.8
	45	56 315.2	0579.7	55 663.8	0707.4	55 011.6	0835.1	54 358.0	0962.9
	50	49 081.8	2 500 118.2	48 440.8	2 510 245.9	47 798.8	2 520 373.6	47 155.9	0501.4
	55	41 847.9	2 499 664.1	41 217.3	2 509 791.8	40 585.6	2 519 919.4	39 953.1	2 530 047.2
68	00	1 434 613.6	2 499 217.3	1 433 993.4	2 509 345.0	1 433 372.1	2 519 472.6	1 432 749.9	2 529 600.4
	05	27 378.9	8777.8	26 768.9	8905.5	26 158.1	9033.0	25 546.3	9160.8
	10	20 143.7	8345.7	19 544.1	8473.3	18 943.7	8600.9	18 342.1	8728.7
	15	12 908.1	7920.9	12 318.9	8048.6	11 728.8	8176.1	11 137.6	8303.9
	20	1 405 672.0	7503.6	1 405 093.1	7631.2	1 404 513.3	7758.7	1 403 932.7	7886.5
	25	1 398 435.6	7093.6	1 397 867.0	7221.2	1 397 297.5	7348.7	1 396 727.3	7476.5
68	30	1 391 198.7	2 496 691.1	1 390 640.5	2 506 818.6	1 390 081.4	2 516 946.1	1 389 521.4	2 527 073.8

Long.		Lat. 44° 45′.		Lat. 44° 50′.		Lat. 44° 55′.		Lat. 45° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
66	30	1 562 330.5	2 538 770.8	1 561 520.4	2 548 898.9	1 560 708.8	2 559 026.8	1 559 896.0	2 569 154.9
	35	55 136.4	8198.7	54 336.5	8326.8	53 535.3	8454.6	52 733.0	8582.8
	40	47 941.5	7634.0	47 151.9	7762.0	46 361.2	7889.8	45 569.4	8018.0
	45	40 746.1	7076.6	39 966.9	7204.6	39 186.6	7332.4	38 405.2	7460.6
	50	33 549.9	6526.6	32 781.2	6654.6	32 011.3	6782.4	31 240.5	6910.6
	55	26 353.3	5984.0	25 594.9	6111.9	24 835.6	6239.7	24 075.2	6367.9
67	00	1 519 156.1	2 535 448.7	1 518 408.2	2 545 576.6	1 517 659.3	2 555 704.5	1 516 909.3	2 565 832.6
	05	11 958.4	4920.8	11 220.9	5048.7	10 482.5	5176.5	09 742.8	5304.6
	10	1 504 760.2	4400.2	1 504 033.1	4528.2	1 503 304.9	4656.0	1 502 575.8	4784.1
	15	1 497 561.4	3887.1	1 496 844.7	4015.0	1 496 126.9	4142.8	1 495 408.3	4270.9
	20	90 362.1	3381.3	89 655.8	3509.2	88 948.4	3637.0	88 240.2	3765.1
	25	83 162.2	2882.9	82 466.4	3010.8	81 769.5	3138.6	81 071.7	3266.7
	30	75 962.0	2391.8	75 276.6	2519.7	74 590.0	2647.5	73 902.6	2775.6
	35	68 761.3	1908.1	68 086.1	2036.0	67 410.1	2163.8	66 733.1	2291.9
	40	61 559.8	1431.8	60 895.2	1559.7	60 229.6	1687.5	59 563.1	1815.6
	45	54 358.0	0962.9	53 703.9	1090.8	53 048.5	1218.5	52 392.4	1346.6
	50	47 155.9	0501.4	46 512.0	0629.2	45 867.1	0756.9	45 221.3	0885.1
	55	39 953.1	2 530 047.2	39 319.7	2 540 175.0	38 685.2	2 550 302.7	38 049.9	2 560 430.8
68	00	1 432 749.9	2 529 600.4	1 432 126.9	2 539 728.2	1 431 502.8	2 549 855.9	1 430 878.0	2 559 984.0
	05	25 546.3	9160.8	24 933.6	9288.6	24 320.0	9416.3	23 705.6	9544.4
	10	18 342.1	8728.7	17 739.9	8856.4	17 136.7	8984.1	16 532.7	9112.2
	15	11 137.6	8303.9	10 545.7	8431.6	09 953.0	8559.3	09 359.4	8687.4
	20	1 403 932.7	7886.5	1 403 351.1	8014.2	1 402 768.9	8141.9	1 402 185.6	8270.0
	25	1 396 727.3	7476.5	1 396 156.2	7604.2	1 395 584.3	7731.9	1 395 011.5	7860.0
68	30	1 389 521.4	2 527 073.8	1 388 960.8	2 537 201.6	1 388 399.3	2 547 329.3	1 387 837.0	2 557 457.3

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE—Continued.

Long.		Lat. 45° 00′.		Lat. 45° 05′.		Lat. 45° 10′.		Lat. 45° 15′.	
		x	y	x	y	x	y	x	y
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
66	30	1 559 896.0	2 569 154.9	1 559 082.2	2 579 282.8	1 558 267.2	2 589 410.7	1 557 450.8	2 599 538.5
	35	52 733.0	8582.8	51 929.5	8710.7	51 125.1	8838.6	50 319.1	8966.4
	40	45 569.4	8018.0	44 776.4	8145.9	43 982.4	8273.8	43 186.9	8401.6
	45	38 405.2	7460.6	37 622.7	7588.5	36 839.0	7716.4	36 054.1	7844.2
	50	31 240.5	6910.6	30 468.4	7038.5	29 695.1	7166.4	28 920.7	7294.2
	55	24 075.2	6367.9	23 313.5	6495.8	22 550.7	6623.7	21 786.8	6751.6
67	00	1 516 909.3	2 565 832.6	1 516 158.1	2 575 960.5	1 515 405.8	2 586 088.4	1 514 652.3	2 596 216.3
	05	09 742.8	5304.6	09 002.0	5432.5	08 260.3	5560.5	07 517.2	5688.4
	10	1 502 575.8	4784.1	1 501 845.5	4912.0	1 501 114.2	5039.9	1 500 381.7	5167.8
	15	1 495 408.3	4270.9	1 494 688.5	4398.8	1 493 967.6	4526.7	1 493 245.6	4654.7
	20	88 240.2	3765.1	87 530.9	3893.0	86 820.4	4021.0	86 108.9	4148.9
	25	81 071.7	3266.7	80 372.7	3394.6	79 672.8	3522.5	78 971.8	3650.5
	30	73 902.6	2775.6	73 214.0	2903.5	72 524.7	3031.5	71 834.1	3159.4
	35	66 733.1	2291.9	66 054.9	2419.8	65 376.1	2547.8	64 695.9	2675.7
	40	59 563.1	1815.6	58 895.4	1943.5	58 226.9	2071.5	57 557.3	2199.4
	45	52 392.4	1346.6	51 735.2	1474.5	51 077.2	1602.5	50 418.1	1730.5
	50	45 221.3	0885.1	44 574.6	1013.0	43 927.1	1140.9	43 278.5	1268.9
	55	38 049.9	2 560 430.8	37 413.7	0558.7	36 776.5	0686.7	36 138.4	0814.7
68	00	1 430 878.0	2 559 984.0	1 430 252.2	2 570 111.9	1 429 625.4	2 580 239.9	1 428 997.8	2 590 367.9
	05	23 705.6	9544.4	23 090.2	2 569 672.3	22 474.0	2 579 800.3	21 856.7	2 589 928.3
	10	16 532.7	9112.2	15 927.8	9240.1	15 322.1	9368.1	14 715.2	9496.1
	15	09 359.4	8687.4	08 764.9	8815.3	08 169.7	8943.3	07 573.3	9071.3
	20	1 402 185.6	8270.0	1 401 601.7	8397.9	1 401 016.8	8525.9	1 400 430.9	8653.9
	25	1 395 011.5	7860.0	1 394 437.9	7987.9	1 393 863.5	8115.9	1 393 288.2	8243.9
68	30	1 387 837.0	2 557 457.3	1 387 273.7	2 567 585.2	1 386 709.8	2 577 713.3	1 386 145.0	2 587 841.3

Long.		Lat. 45° 15′.		Lat. 45° 20′.		Lat. 45° 25′.		Lat. 45° 30′.	
		x	y	x	y	x	y	x	y
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
66	30	1 557 450.8	2 599 538.5	1 556 633.3	2 609 666.3	1 555 814.6	2 619 794.1	1 554 994.7	2 629 921.8
	35	50 319.1	8966.4	49 512.2	9094.2	48 704.0	9222.0	47 894.5	9349.7
	40	43 186.9	8401.6	42 390.4	8529.5	41 592.8	8657.3	40 793.9	8785.0
	45	36 054.1	7844.2	35 268.1	7972.1	34 481.0	8099.9	33 692.7	8227.6
	50	28 920.7	7294.2	28 145.2	7422.1	27 368.7	7549.9	26 590.9	7677.7
	55	21 786.8	6751.6	21 021.8	6879.4	20 255.8	7007.3	19 488.5	7135.1
67	00	1 514 652.3	2 596 216.3	1 513 897.8	2 606 344.2	1 513 142.3	2 616 472.1	1 512 385.6	2 626 599.9
	05	07 517.2	5688.4	1 506 773.3	5816.4	1 506 028.3	5944.2	1 505 282.1	6072.1
	10	1 500 381.7	5167.8	1 499 648.3	5295.8	1 498 913.7	5423.7	1 498 178.0	5551.6
	15	1 493 245.6	4654.7	92 522.7	4782.6	91 798.6	4910.6	91 073.4	5038.5
	20	86 108.9	4148.9	85 396.5	4276.8	84 682.9	4404.8	83 968.3	4532.7
	25	78 971.8	3650.5	78 269.8	3778.3	77 566.8	3906.4	76 862.6	4034.3
	30	71 834.1	3159.4	71 142.6	3287.3	70 450.1	3415.4	69 756.5	3543.3
	35	64 695.9	2675.7	64 015.0	2803.7	63 333.0	2931.7	62 649.8	3059.6
	40	57 557.3	2199.4	56 886.8	2327.4	56 215.3	2455.5	55 542.7	2583.4
	45	50 418.1	1730.5	49 758.1	1858.4	49 097.1	1986.5	48 435.1	2114.5
	50	43 278.5	1268.9	42 629.0	1396.9	41 978.5	1525.0	41 327.0	1653.0
	55	36 138.4	0814.7	35 499.3	0942.8	34 859.3	1070.8	34 218.4	1198.9
68	00	1 428 997.8	2 590 367.9	1 428 369.3	2 600 496.0	1 427 739.7	2 610 624.1	1 427 109.4	2 620 752.1
	05	21 856.7	2 589 928.3	21 238.7	2 600 056.4	20 619.7	2 610 184.5	19 999.8	2 620 312.6
	10	14 715.2	9496.1	14 107.7	2 599 624.3	13 499.2	2 609 752.4	12 889.8	2 619 880.4
	15	07 573.3	9071.3	1 406 976.3	9199.5	1 406 378.3	9327.6	1 405 779.4	9455.7
	20	1 400 430.9	8653.9	1 399 844.4	8782.1	1 399 257.0	8910.2	1 398 668.5	9038.3
	25	1 393 288.2	8243.9	92 712.0	8372.1	92 135.2	8500.2	91 557.3	8628.3
68	30	1 386 145.0	2 587 841.3	1 385 579.4	2 597 969.4	1 385 012.9	2 608 097.6	1 384 445.6	2 618 225.8

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE—Continued.

Long.		Lat. 45° 30′.		Lat. 45° 35′.		Lat. 45° 40′.		Lat. 45° 45′.	
		x	y	x	y	x	y	x	y
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
66	30	1 554 994.7	2 629 921.8	1 554 174.0	2 640 049.4	1 553 351.7	2 650 176.9	1 552 528.3	2 660 304.5
	35	47 894.5	9349.7	47 084.4	2 639 477.4	46 272.7	2 649 604.9	45 459.9	2 659 732.5
	40	40 793.9	8785.0	39 994.3	8912.7	39 193.1	9040.3	38 390.9	9168.0
	45	33 692.7	8227.6	32 903.6	8355.4	32 112.9	8483.1	31 321.4	8610.8
	50	26 590.9	7677.7	25 812.2	7805.5	25 032:2	7933.2	24 251.3	8060.9
	55	19 488.5	7135.1	18 720.3	7262.9	17 950.9	7390.6	17 180.6	7518.4
67	00	1 512 385.6	2 626 599.9	1 511 627.9	2 636 727.7	1 510 869.0	2 646 855.5	1 510 109.3	2 656 983.3
	05	1 505 282.1	6072.1	1 504 535.0	6199.9	1 503 786.6	6327.7	1 503 037.4	6455.5
	10	1 498 178.0	5551.6	1 497 441.5	5679.4	1 496 703.7	5807.2	1 495 965.0	5935.1
	15	91 073.4	5038.5	90 347.4	5166.3	89 620.2	5294.2	88 892.1	5422.1
	20	83 968.3	4532.7	83 252.9	4660.6	82 536.2	4788.5	81 818.7	4916.4
	25	76 862.6	4034.3	76 157.8	4162.3	75 451.6	4290.2	74 744.7	4418.1
	30	69 756.5	3543.3	69 062.1	3671.3	68 366.6	3799.2	67 670.2	3927.2
	35	62 649.8	3059.6	61 965.9	3187.7	61 281.1	3315.6	60 595.2	3443.7
	40	55 542.7	2583.4	54 869.4	2711.5	54 195.0	2839.5	53 519.8	2967.5
	45	48 435.1	2114.5	47 772.3	2242.6	47 108.4	2370.7	46 443.8	2498.7
	50	41 327.0	1653.0	40 674.8	1781.1	40 021.4	1909.2	39 367.3	2037.3
	55	34 218.4	1198.9	33 576.7	1327.0	32 933.9	1455.2	32 290.3	1583.3
68	00	1 427 109.4	2 620 752.1	1 426 478.1	2 630 880.3	1 425 845.9	2 641 008.4	1 425 212.8	2 651 136.6
	05	19 999.8	2 620 312.6	19 379.1	0440.8	18 757.5	0568.9	18 135.0	0697.1
	10	12 889.8	2 619 880.4	12 279.7	2 630 008.7	11 668.6	2 640 136.8	11 056.7	2 650 265.1
	15	1 405 779.4	9455.7	1 405 179.8	2 629 583.9	1 404 579.3	2 639 712.1	1 403 977.9	2 649 840.4
	20	1 398 668.5	9038.3	1 398 079.4	9166.6	1 397 489.5	9294.8	1 396 898.7	9423.1
	25	91 557.3	8628.3	90 978.7	8756.6	90 399.3	8884.9	89 819.0	9013.2
68	30	1 384 445.6	2 618 225.8	1 383 877.6	2 628 354.1	1 383 308.7	2 638 482.3	1 382 738.9	2 648 610.7

Long.		Lat. 45° 45′.		Lat. 45° 50′.		Lat. 45° 55′.		Lat. 46° 00′.	
		x	y	x	y	x	y	x	y
°	′	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.	Yards.
66	30	1 552 528.3	2 660 304.5	1 551 703.9	2 670 432.1	1 550 878.2	2 680 559.6	.....	.....
	35	45 459.9	2 659 732.5	44 646.1	2 669 860.2	43 831.0	2 679 987.7	.....	.....
	40	38 390.9	9168.0	37 587.7	9295.6	36 783.2	9423.2	.....	.....
	45	31 321.4	8610.8	30 528.7	8738.4	29 734.8	8866.0	.....	.....
	50	24 251.3	8060.9	23 469.1	8188.6	22 685.9	8316.3	.....	.....
	55	17 180.6	7518.4	16 409.0	7646.2	15 636.3	7773.9	.....	.....
67	00	1 510 109.3	2 656 983.3	1 509 348.3	2 667 111.1	1 508 586.2	2 677 238.8	1 507 823.0	2 687 366.5
	05	1 503 037.4	6455.5	1 502 287.1	6583.4	1 501 535.6	6711.1	1 500 782.9	6838.9
	10	1 495 965.0	5935.1	1 495 225.3	6063.0	1 494 484.4	6190.9	1 493 742.4	6318.7
	15	88 892.1	5422.1	88 163.0	5550.0	87 432.6	5677.9	86 701.3	5805.8
	20	81 818.7	4916.4	81 100.1	5044.4	80 380.4	5172.4	79 659.7	5300.3
	25	74 744.7	4418.1	74 036.7	4546.2	73 327.6	4674.2	72 617.5	4802.1
	30	67 670.2	3927.2	66 972.8	4055.3	66 274.3	4183.3	65 574.8	4311.3
	35	60 595.2	3443.7	59 908.4	3571.8	59 220.5	3699.9	58 531.6	3827.9
	40	53 519.8	2967.5	52 843.5	3095.7	52 166.1	3223.8	51 487.9	3351.9
	45	46 443.8	2498.7	45 778.1	2626.9	45 111.3	2755.1	44 443.8	2883.2
	50	39 367.3	2037.3	38 712.2	2165.5	38 056.0	2293.7	37 399.1	2421.9
	55	32 290.3	1583.3	31 645.8	1711.5	31 000.2	1839.7	30 353.9	1968.0
68	00	1 425 212.8	2 651 136.6	1 424 578.9	2 661 264.9	1 423 944.0	2 671 393.1	1 423 308.2	2 681 521.4
	05	18 135.0	0697.1	17 511.6	0825.5	16 887.3	0953.7	16 262.1	1082.1
	10	11 056.7	2 650 265.1	10 443.9	2 660 393.4	09 830.2	0521.7	09 215.5	0650.1
	15	1 403 977.9	2 649 840.4	1 403 375.7	2 659 968.8	1 402 772.6	2 670 097.1	1 402 168.5	2 680 225.5
	20	1 396 898.7	9423.1	1 396 307.1	9551.5	1 395 714.5	2 669 679.9	1 395 121.1	2 679 808.4
	25	89 819.0	9013.2	89 238.0	9141.7	88 656.0	9270.1	88 073.2	9398.6
68	30	1 382 738.9	2 648 610.7	1 382 168.5	2 658 739.2	1 381 597.1	2 668 867.6	1 381 024.9	2 678 996.1

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE—Continued.

Long.		Lat. 46° 00′.		Lat. 46° 05′.		Lat. 46° 10′.		Lat. 46° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
67	00	1 507 823.0	2 687 366.5	1 507 058.9	2 697 494.1	1 506 293.5	2 707 622.0	1 505 527.1	2 717 749.7
	05	1 500 782.9	6838.9	1 500 029.4	6966.5	1 499 274.8	7094.5	1 498 519.0	7222.3
	10	1 493 742.4	6318.7	1 492 990.4	6446.6	92 255.5	6574.4	91 510.3	6702.2
	15	86 701.3	5805.8	85 968.9	5933.7	85 235.6	6061.6	84 501.1	6189.5
	20	79 659.7	5300.3	78 937.9	5428.3	78 215.1	5556.2	77 491.4	5684.1
	25	72 617.5	4802.1	71 906.4	4929.9	71 194.3	5058.1	70 481.2	5186.1
	30	65 574.8	4311.3	64 874.4	4439.2	64 172.9	4567.4	63 470.5	4695.5
	35	58 531.6	3827.9	57 841.8	3955.9	57 150.9	4084.1	56 459.2	4212.3
	40	51 487.9	3351.9	50 808.6	3479.9	50 128.5	3608.2	49 447.3	3736.4
	45	44 443.8	2883.2	43 775.0	3011.3	43 105.5	3139.6	42 435.1	3267.9
	50	37 399.1	2421.9	36 741.0	2550.0	36 082.1	2678.4	35 422.3	2806.7
	55	30 353.9	1968.0	29 706.6	2096.1	29 058.3	2224.6	28 409.0	2352.9
68	00	1 423 308.2	2 681 521.4	1 422 671.7	2 691 649.6	1 422 033.9	2 701 778.1	1 421 395.3	2 711 906.5
	05	16 262.1	1082.1	15 636.1	1210.3	15 009.0	1338.8	14 381.1	1467.3
	10	09 215.5	0650.1	08 600.1	0778.4	07 983.8	0907.0	07 366.6	1035.5
	15	1 402 168.5	2 680 225.5	1 401 563.7	2 690 353.9	1 400 958.1	0482.5	1 400 351.5	0611.1
	20	1 395 121.1	2 679 808.4	1 394 526.9	2 689 936.7	1 393 931.8	2 700 065.4	1 393 335.9	2 710 194.0
	25	88 073.2	9398.6	87 489.6	9527.0	86 905.1	2 699 655.7	86 320.0	2 709 784.4
68	30	1 381 024.9	2 678 996.1	1 380 451.9	2 689 124.6	1 379 878.2	2 699 253.4	1 379 303.7	2 709 382.1

Long.		Lat. 46° 15′.		Lat. 46° 20′.		Lat. 46° 25′.		Lat. 46° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
67	00	1 505 527.1	2 717 749.7	1 504 759.5	2 727 877.5	1 503 991.0	2 738 005.2	1 503 221.6	2 748 132.8
	05	1 498 519.0	7222.3	1 497 762.3	7350.1	1 497 004.4	7477.9	1 496 245.6	7605.6
	10	91 510.3	6702.2	90 764.3	6830.1	90 017.1	6957.9	89 269.1	7085.7
	15	84 501.1	6189.5	83 765.8	6317.4	83 029.2	6445.3	82 291.9	6573.2
	20	77 491.4	5684.1	76 766.8	5812.2	76 041.0	5940.1	75 314.2	6068.1
	25	70 481.2	5186.1	69 767.3	5314.3	69 052.0	5442.2	68 336.0	5570.3
	30	63 470.5	4695.5	62 767.1	4823.7	62 062.6	4951.8	61 357.4	5079.9
	35	56 459.2	4212.3	55 766.5	4340.5	55 072.6	4468.6	54 378.2	4596.8
	40	49 447.3	3736.4	48 765.4	3864.7	48 082.3	3992.9	47 398.4	4121.1
	45	42 435.1	3267.9	41 763.8	3396.2	41 091.4	3524.5	40 418.3	3652.8
	50	35 422.3	2806.7	34 761.6	2935.1	34 099.9	3063.4	33 437.5	3191.8
	55	28 409.0	2352.9	27 759.1	2481.3	27 108.1	2609.8	26 456.3	2738.2
68	00	1 421 395.3	2 711 906.5	1 420 756.0	2 722 035.0	1 420 115.8	2 732 163.5	1 419 474.6	2 742 292.0
	05	14 381.1	1467.3	13 752.5	1595.9	13 122.9	1724.4	12 492.5	1853.0
	10	07 366.6	1035.5	1 406 748.5	1164.1	1 406 129.6	1292.7	1 405 509.9	1421.4
	15	1 400 351.5	0611.1	1 399 744.2	0739.7	1 399 135.8	0868.4	1 398 526.9	0997.1
	20	1 393 335.9	2 710 194.0	92 739.4	2 720 322.7	92 141.7	0451.5	91 543.4	0580.2
	25	86 320.0	2 709 784.4	85 734.0	2 719 913.1	85 147.0	2 730 041.9	84 559.5	2 740 170.7
68	30	1 379 303.7	2 709 382.1	1 378 728.2	2 719 510.9	1 378 151.9	2 729 639.7	1 377 575.0	2 739 768.6

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE—Continued.

Long.		Lat. 46° 30′.		Lat. 46° 35′.		Lat. 46° 40′.		Lat. 46° 45′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
67	00	1 503 221.6	2 748 132.8	1 502 450.9	2 758 260.5	1 501 679.2	2 768 388.1	1 500 906.4	2 778 515.7
	05	1 496 245.6	7605.6	1 495 485.7	7733.4	1 494 724.6	7861.0	1 493 962.6	7988.8
	10	89 269.1	7085.7	88 519.9	7213.6	87 769.6	7341.3	87 018.2	7469.2
	15	82 291.9	6573.2	81 553.4	6701.2	80 813.9	6829.0	80 073.2	6956.9
	20	75 314.2	6068.1	74 586.4	6196.1	73 857.6	6324.0	73 127.8	6452.0
	25	68 336.0	5570.3	67 619.0	5698.4	66 900.9	5826.4	66 181.8	5954.5
	30	61 357.4	5079.9	60 651.1	5208.0	59 943.6	5336.1	59 235.2	5464.3
	35	54 378.2	4596.8	53 682.5	4725.0	52 986.0	4853.2	52 288.2	4981.5
	40	47 398.4	4121.1	46 713.5	4249.4	46 027.7	4377.7	45 340.7	4506.0
	45	40 418.3	3652.8	39 744.1	3781.2	39 068.8	3909.5	38 392.7	4037.9
	50	33 437.5	3191.8	32 774.0	3320.3	32 109.6	3448.7	31 444.2	3577.2
	55	26 456.3	2738.2	25 803.5	2866.8	25 149.9	2995.2	24 495.2	3123.8
68	00	1 419 474.6	2 742 292.0	1 418 832.6	2 752 420.6	1 418 189.6	2 762 549.1	1 417 545.7	2 772 677.8
	05	12 492.5	1853.0	11 861.1	1981.7	11 228.9	2110.2	10 595.8	2239.0
	10	1 405 509.9	1421.4	1 404 889.3	1550.1	1 404 267.8	1678.7	1 403 645.3	1807.6
	15	1 398 526.9	0997.1	1 397 916.9	1125.9	1 397 306.1	1254.6	1 396 694.4	1383.5
	20	91 543.4	0580.2	90 944.1	0709.1	90 344.1	0837.9	89 743.1	0966.9
	25	84 559.5	2 740 170.7	83 971.0	2 750 299.6	83 381.6	0428.5	82 791.4	0557.9
68	30	1 377 575.0	2 739 768.6	1 376 997.2	2 749 897.6	1 376 418.7	2 760 026.5	1 375 839.3	2 770 155.6

Long.		Lat. 46° 45′.		Lat. 46° 50′.		Lat. 46° 55′.		Lat. 47° 00′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
67	00	1 500 906.4	2 778 515.7	1 500 132.6	2 788 643.4	1 499 357.7	2 798 771.1	1 498 581.6	2 808 898.8
	05	1 493 962.6	7988.8	1 493 199.6	8116.5	92 435.3	8244.3	91 670.2	8372.1
	10	87 018.2	7469.2	86 266.0	7597.0	85 512.5	7724.9	84 758.2	7852.8
	15	80 073.2	6956.9	79 331.8	7084.9	78 589.2	7212.8	77 845.6	7340.9
	20	73 127.8	6452.0	72 397.1	6580.1	71 665.3	6708.1	70 932.4	6836.3
	25	66 181.8	5954.5	65 461.8	6082.6	64 740.8	6210.7	64 018.8	6339.0
	30	59 235.2	5464.3	58 526.1	5592.5	57 815.8	5720.7	57 104.6	5849.1
	35	52 288.2	4981.5	51 589.9	5109.8	50 890.3	5238.1	50 189.9	5366.5
	40	45 340.7	4506.0	44 653.1	4634.4	43 964.3	4762.8	43 274.7	4891.3
	45	38 392.7	4037.9	37 715.8	4166.4	37 037.8	4294.9	36 359.0	4423.5
	50	31 444.2	3577.2	30 778.0	3705.7	30 110.8	3834.3	29 442.8	3963.0
	55	24 495.2	3123.8	23 839.8	3252.4	23 183.3	3381.1	22 526.2	3509.9
68	00	1 417 545.7	2 772 677.8	1 416 901.0	2 782 806.5	1 416 255.4	2 792 935.2	1 415 609.0	2 803 064.1
	05	10 595.8	2239.0	09 961.8	2367.8	09 327.0	2496.6	08 691.3	2625.5
	10	1 403 645.3	1807.6	1 403 022.2	1936.4	1 402 398.1	2065.3	1 401 773.2	2194.4
	15	1 396 694.4	1383.5	1 396 082.1	1512.5	1 395 468.7	1641.4	1 394 854.6	1770.6
	20	89 743.1	0966.9	89 141.5	1095.9	88 538.9	1224.9	87 935.6	1354.1
	25	82 791.4	0557.6	82 200.5	0686.6	81 608.7	0815.7	81 016.2	0945.0
68	30	1 375 839.3	2 770 155.6	1 375 259.1	2 780 284.8	1 374 678.0	2 790 414.0	1 374 096.3	2 800 543.4

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR EASTERN MAINE—Continued.

Long.		Lat. 47° 00′.		Lat. 47° 05′.		Lat. 47° 10′.		Lat. 47° 15′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
67	00	1 498 581.6	2 808 898.8	1 497 804.6	2 819 026.4	1 497 026.6	2 829 154.0	1 496 247.4	2 839 281.5
	05	91 670.2	8372.1	90 903.9	8499.9	90 136.7	8627.5	89 368.3	8755.1
	10	84 758.2	7852.8	84 002.7	7980.7	83 246.2	8108.4	82 488.7	8236.2
	15	77 845.6	7340.9	77 101.0	7468.8	76 355.3	7596.6	75 608.6	7724.6
	20	70 932.4	6836.3	70 198.7	6964.3	69 463.8	7092.3	68 728.0	7220.3
	25	64 018.8	6339.0	63 295.8	6467.1	62 571.7	6595.2	61 846.8	6723.3
	30	57 104.6	5849.1	56 392.4	5977.3	55 679.1	6105.5	54 965.1	6233.8
	35	50 189.9	5366.5	49 488.5	5494.9	48 786.0	5623.2	48 082.9	5751.6
	40	43 274.7	4891.3	42 584.2	5019.8	41 892.4	5148.2	41 200.1	5276.7
	45	36 359.0	4423.5	35 679.1	4552.0	34 998.4	4680.5	34 316.8	4809.1
	50	29 442.8	3963.0	28 773.8	4091.6	28 103.8	4220.2	27 433.0	4348.9
	55	22 526.2	3509.9	21 868.0	3638.6	21 208.7	3767.3	20 548.8	3896.0
68	00	1 415 609.0	2 803 064.1	1 414 961.6	2 813 192.9	1 414 313.2	2 823 321.7	1 413 664.1	2 833 450.6
	05	08 691.3	2625.5	08 054.7	2754.4	07 417.2	2883.3	1 406 778.9	3012.3
	10	1 401 773.2	2194.4	1 401 147.3	2323.3	1 400 520.6	2452.3	1 399 893.3	2581.4
	15	1 394 854.6	1770.6	1 394 239.5	1899.6	1 393 623.7	2028.7	93 007.2	2157.9
	20	87 935.6	1354.1	87 331.3	1483.3	86 726.3	1612.4	86 120.6	1741.7
	25	81 016.2	0945.0	80 422.7	1074.3	79 828.5	1203.5	79 233.6	1332.9
68	30	1 374 096.3	2 800 543.4	1 373 513.7	2 810 672.6	1 372 930.3	2 820 802.0	1 372 346.2	2 830 931.4

Long.		Lat. 47° 15′.		Lat. 47° 20′.		Lat. 47° 25′.		Lat. 47° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
67	00	1 496 247.4	2 839 281.5	1 495 467.2	2 849 409.2	1 494 685.9	2 859 536.7	1 493 903.9	2 869 664.2
	05	89 368.3	8755.1	88 599.0	8883.0	87 828.7	9010.6	87 057.4	9138.3
	10	82 488.7	8236.2	81 730.3	8364.1	80 970.8	8491.9	80 210.4	8619.7
	15	75 608.6	7724.6	74 861.0	7852.6	74 112.3	7980.5	73 362.8	8108.4
	20	68 728.0	7220.3	67 991.2	7348.4	67 253.3	7476.4	66 514.7	7604.5
	25	61 846.8	6723.3	61 120.8	6851.6	60 393.8	6979.7	59 666.1	7107.8
	30	54 965.1	6233.8	54 250.0	6362.1	53 533.9	6490.4	52 817.0	6618.6
	35	48 082.9	5751.6	47 378.6	5880.0	46 673.4	6008.4	45 967.3	6136.7
	40	41 200.1	5276.7	40 506.7	5405.2	39 812.4	5533.7	39 117.1	5662.2
	45	34 316.8	4809.1	33 634.3	4937.8	32 950.8	5066.3	32 266.4	5195.0
	50	27 433.0	4348.9	26 761.4	4477.7	26 088.7	4606.4	25 415.3	4735.1
	55	20 548.8	3896.0	19 888.0	4025.0	19 226.1	4153.7	18 563.7	4282.5
68	00	1 413 664.1	2 833 450.6	1 413 014.1	2 843 579.6	1 412 363.1	2 853 708.5	1 411 711.5	2 863 837.4
	05	1 406 778.9	3012.3	1 406 139.8	3141.4	1 405 499.6	3270.4	1 404 858.9	3399.4
	10	1 399 893.3	2581.4	1 399 265.0	2710.6	1 398 635.6	2839.7	1 398 005.8	2968.8
	15	93 007.2	2157.9	92 389.7	2287.2	91 771.2	2416.4	91 152.2	2545.6
	20	86 120.6	1741.7	85 514.0	1871.1	84 906.4	2000.4	84 298.2	2129.7
	25	79 233.6	1332.9	78 637.8	1462.4	78 041.1	1591.8	77 443.8	1721.2
68	30	1 372 346.2	2 830 931.4	1 371 761.1	2 841 061.0	1 371 175.4	2 851 190.5	1 370 589.0	2 861 320.1

Grid coordinates for five-minute intersections—Continued.

EXTENSION OF TABLE FOR LAKE OF THE WOODS REGION.

Long.		Lat. 49° 15′.		Lat. 49° 20′.		Lat. 49° 25′.		Lat. 49° 30′.	
		x	*y*	*x*	*y*	*x*	*y*	*x*	*y*
°	′	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
94	30	1 199 020.7	3 066 689.5	1 198 685.5	3 076 823.6	1 198 349.7	3 086 957.8	1 198 013.6	3 097 092.1
	35	92 389.0	6473.9	92 064.9	6608.0	91 740.4	6742.3	91 415.5	6876.8
	40	85 757.0	6265.5	85 444.1	6399.8	85 130.8	6534.2	84 817.1	6668.7
	45	79 124.8	6064.5	78 823.1	6198.8	78 520.9	6333.3	78 218.5	6468.0
	50	72 492.4	5870.8	72 201.9	6005.2	71 910.9	6139.8	71 619.6	6274.5
	55	65 859.8	5684.4	65 580.5	5818.9	65 300.7	5953.6	65 020.6	6088.3
95	00	1 159 227.0	3 065 505.3	1 158 958.8	3 075 639.9	1 158 690.2	3 085 774.6	1 158 421.4	3 095 909.5
	05	52 593.9	5333.5	52 336.9	5468.1	52 079.5	5603.0	51 821.9	5737.9
	10	45 960.8	5169.0	45 714.9	5303.7	45 468.8	5438.7	45 222.3	5573.7
	15	39 327.4	5011.9	39 092.7	5146.6	38 857.7	5281.6	38 622.4	5416.7
	20	32 693.9	4862.1	32 470.4	4996.9	32 246.6	5131.9	32 022.6	5267.0
	25	26 060.2	4719.5	25 847.8	4854.4	25 635.2	4989.5	25 422.4	5124.7
95	30	1 119 426.4	3 064 584.2	1 119 225.2	3 074 719.2	1 119 023.8	3 084 854.4	1 118 822.2	3 094 989.6