

SNOW ROUTES & WINTER SURVIVAL



UNITED STATES AIR FORCE ACADEMY

USAF Snow Route Reference Card, Oct 2021

OPR: 10CES/CEO

Releasability: There are no releasability restrictions on this publication.

STAYING ALIVE IN YOUR CAR

IF STRANDED IN YOUR VEHICLE, SIT TIGHT, DON'T MOVE, STAY WITH YOUR VEHICLE

Check for Injuries and Treat:

1. Move all survival equipment from trunk to passenger compartment.
2. Inventory all equipment.
3. Tie a signal flag to your antenna.
4. *Utilize all available clothing, maps, carpeting, paper, seat covers, etc. to help keep yourself warm.
5. Run engine: 5 min each 30 min, or 10 min each 60 min.
6. Clear obstructions from end of cars exhaust pipe (mud or snow).
7. Run engine to coincide with radio news broadcast.
8. Light a candle or heating fuel such as Sterno in a safe container like a coffee can or glass jar as an emergency heat and light source. Ensure adequate ventilation.
9. *If the car or exhaust system is completely covered with snow **DO NOT** run the engine as CARBON MONOXIDE will pool under the car and seep into passenger compartment. CARBON MONOXIDE is a colorless, odorless, tasteless gas, known as "The Silent Killer". It is produced by burning material containing carbon (gasoline). Symptoms of poisoning are fatigue, headaches, nausea, and will cause brain damage and could result in serious injury or death.
10. If the car is covered with snow, cut a ventilation hole. Check ventilation hole each hour.
11. If you are tired, ensure adequate ventilation, then go to sleep.
12. ***DO NOT** fall asleep with the engine running.
13. *Melt snow for drinking water. **DO NOT eat snow.** Melt it first.
14. Prepare to survive for a minimum of 48 hours.
15. Eat available foods to help produce heat.
16. Keep a journal.
17. CONSERVE STRENGTH.
18. GO THROUGH THIS LIST ONCE EACH HOUR.

(*Most Important)

WHAT TO DO WHEN TRAPPED OUTDOORS

1. **DON'T PANIC** - Build a fire, Sit Down, Stay Calm, THINK
2. **MAINTAIN YOUR BODY TEMPERATURE.**
Add layers of clothing, eat heat-producing foods (carbohydrates), find or build a shelter that will protect you from the rain and wind. Drink warm liquids.
3. **USE THE FIRE** to dry clothing, heat water, signal, and help maintain your morale.
4. **PREVENT DEHYDRATION** - Drink water (3-4 quarts per day). **DON'T EAT SNOW!** Melt it first.
5. **PREVENT HYPOTHERMIA** - Watch out for cold/wet/windy conditions that cause massive heat loss.
6. **DO NOT TRAVEL** - Stay put and wait for rescue forces to find you.
7. **SIGNAL** - Use signal mirror, whistle, or flares to attract attention to yourself.
8. **DO NOT GIVE UP HOPE** - Rescuers WILL FIND YOU!

DO:

- Review Snow Route Map at link below:
- Adhere to Late Reporting Instruction's (This gives CE time to clear the primary routes)
- Maintain 500-foot distance from all snow removal vehicles
- Reduce speed during inclement weather by 10-15mph

DO NOT:

- Go around closed snow gates
- PT on roads during snow removal operations
- Leave vehicles in parking lots for extended periods of time in non-designated overnight parking areas

Notification Statements / Actions For Personnel During Hazardous Weather Conditions

I. Decision for Early Release:

"EARLY RELEASE FOR NON-MISSION ESSENTIAL PER- SONNEL WILL BE AT *___HRS."
 - Classes continue as originally scheduled unless canceled by the DF, CW, AD.
 - Close Community Center activities including BX, Commissary, and Service Station at *_____ hrs
 - Child Development and Youth Center begin to close, however, appropriate essential caregivers must remain until last child is picked up by parent/guardian.

II. Decision for Late Reporting:

"Classes will begin at 0900L and follow the USAFA Inclement Weather Schedule of Calls. Mission Essential personnel should contact ME leadership for reporting instructions. Non-Mission Essential personnel will report NO EARLIER THAN 0930L. The Visitor Cordon will open at 1100L. The Child Development Center will open at normal time. Personnel should contact their supervisors with questions."

III. Decision for Base Closure:

"THE ACADEMY IS CLOSED FOR NORMAL OPERATIONS. ONLY MISSION ESSENTIAL PERSONNEL REPORT TO DUTY SECTIONS."

- Classes are canceled.
- The Community Center is closed.

(* = All hours tied to early release / late reporting times).

Radio and Television Stations Giving Hazardous Weather Announcements by USAFA/P.A.



FM STATIONS

KBIQ 102.7 KRDO 105.5
 KCCY 96.9 KATC 95.1
 KILO 94.3 KUUU 99.9
 KKL 106.3 KKKP 92.9
 KKKM 98.1 KKMGM 98.9
 KAFA 97.7

AM STATIONS

KOA 850
 KRDO 1240
 KVOR 740
 KZNT 1460

TV STATIONS / COLORADO SPRINGS

KOAA Ch 5/30 NBC
 KKTU Ch 11 CBS
 KRDO Ch 13 ABC

TV STATIONS / DENVER

KCNC Ch 4 CBS
 KMGH Ch 7 ABC
 KUSA Ch 9 NBC

COMMAND CENTER AUTOMATED NOTIFICATION SYSTEM 333-6249

ACADEMY ROAD CONDITIONS 333-2800

Helpful Web Links:

- [USAF SEVEN DAY FORECAST](https://hwas.usafa.edu/weather/sevenday.cfm)
- [CLOSURES & DELAYS](https://hwas.usafa.edu/weather/sevenday.cfm)
- <http://www.flashalerts.net/closures-cats.html>

VEHICLE SURVIVAL KIT (Mandatory Survival Items)

1. Blankets (wool preferred) or sleeping bags.
2. Heat source (candle, sterno, non-propane backpacker stove).
3. Matches and lighter.
4. Food - high carbohydrates, candy bars, raisins, dried fruit, peanut butter, peanuts, etc.
5. Extra clothing - wool gloves, hat, coat, pants, scarf.
6. Flashlight - with extra batteries.
7. Large plastic garbage bags.
8. Red or Orange material for antenna signal.
9. Coffee can for all small items and to melt snow for water.

VEHICLE EQUIPMENT

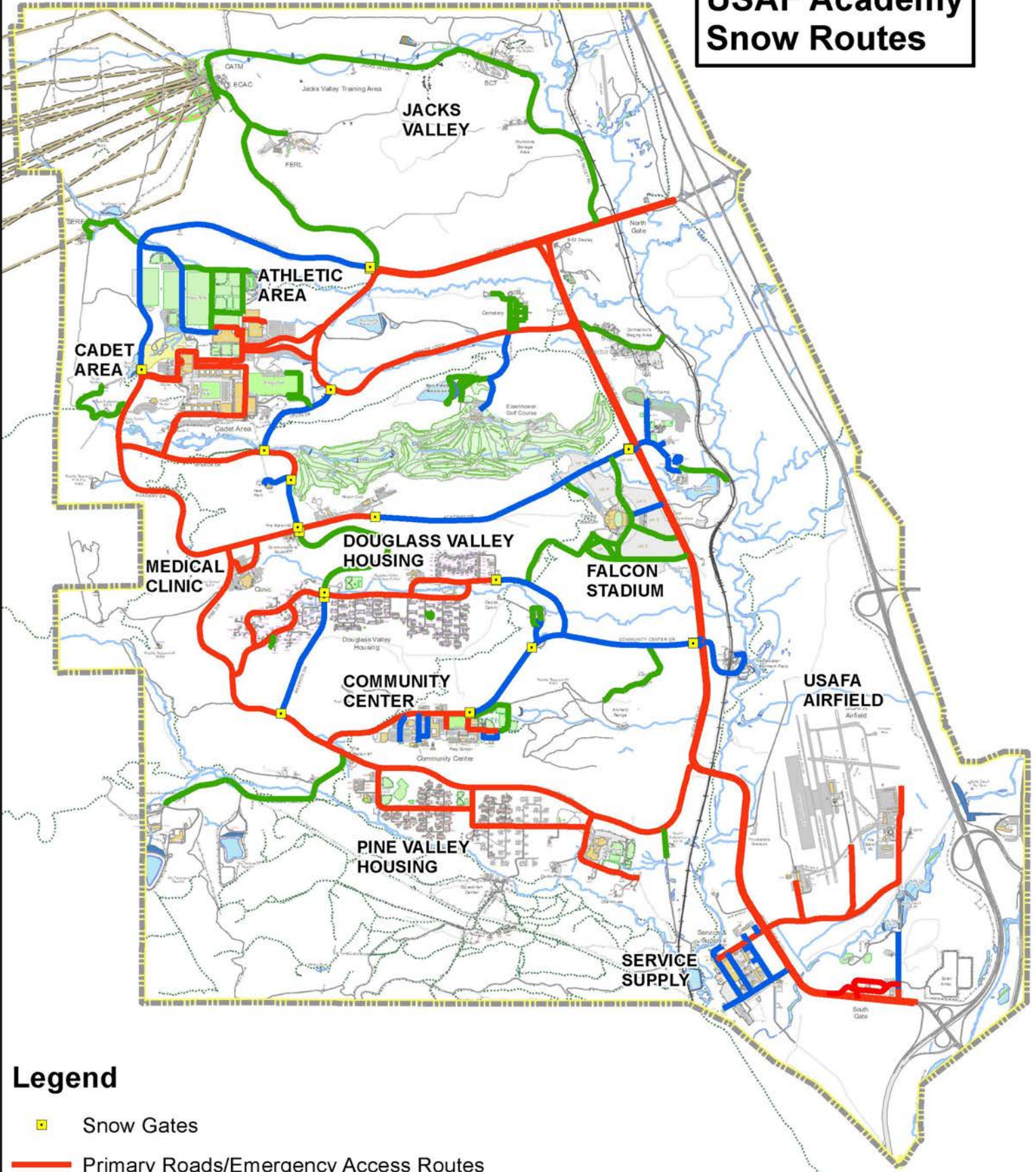
Sunglasses	Personal Medications	Shovel (entrenching tool)
Tool Kit	Brightly Colored Tarp	Reflective Triangles
Ice Scraper	Tire Chains that fit	Carbon Monoxide Detector
Tow Strap	Come-Along Winch	Sand or Gravel for traction
Jumper Cables	Emergency Road Flares	Mobile Phone Charger

Keep This in Your Car and/or Wallet at All Times

Risk of frostbite within:	Wind Speed (mph)										Temperature (°F)	
	50	45	40	35	30	25	20	15	10	5		
1	23	24	25	26	27	28	29	30	31	32	33	34
2	16	17	18	19	20	21	22	23	24	25	26	27
3	9	10	11	12	13	14	15	16	17	18	19	20
4	1	2	3	4	5	6	7	8	9	10	11	12
5	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5
10 minutes	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2
30 minutes	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10
5 minutes	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17
10 minutes	-36	-34	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24
5 minutes	-43	-42	-41	-40	-39	-38	-37	-36	-35	-34	-33	-32
10 minutes	-50	-49	-48	-47	-46	-45	-44	-43	-42	-41	-40	-39
5 minutes	-58	-56	-55	-54	-53	-52	-51	-50	-49	-48	-47	-46
10 minutes	-65	-64	-63	-62	-61	-60	-59	-58	-57	-56	-55	-54
5 minutes	-72	-71	-70	-69	-68	-67	-66	-65	-64	-63	-62	-61
10 minutes	-80	-78	-77	-76	-75	-74	-73	-72	-71	-70	-69	-68
5 minutes	-87	-86	-85	-84	-83	-82	-81	-80	-79	-78	-77	-76
10 minutes	-95	-93	-92	-91	-90	-89	-88	-87	-86	-85	-84	-83

Use this chart for winds from 5 foot anemometer height (handheld) Wind Chill in Fahrenheit and MPH

USAF Academy Snow Routes



Legend

-  Snow Gates
-  Primary Roads/Emergency Access Routes
-  Secondary Roads
-  Tertiary Roads