

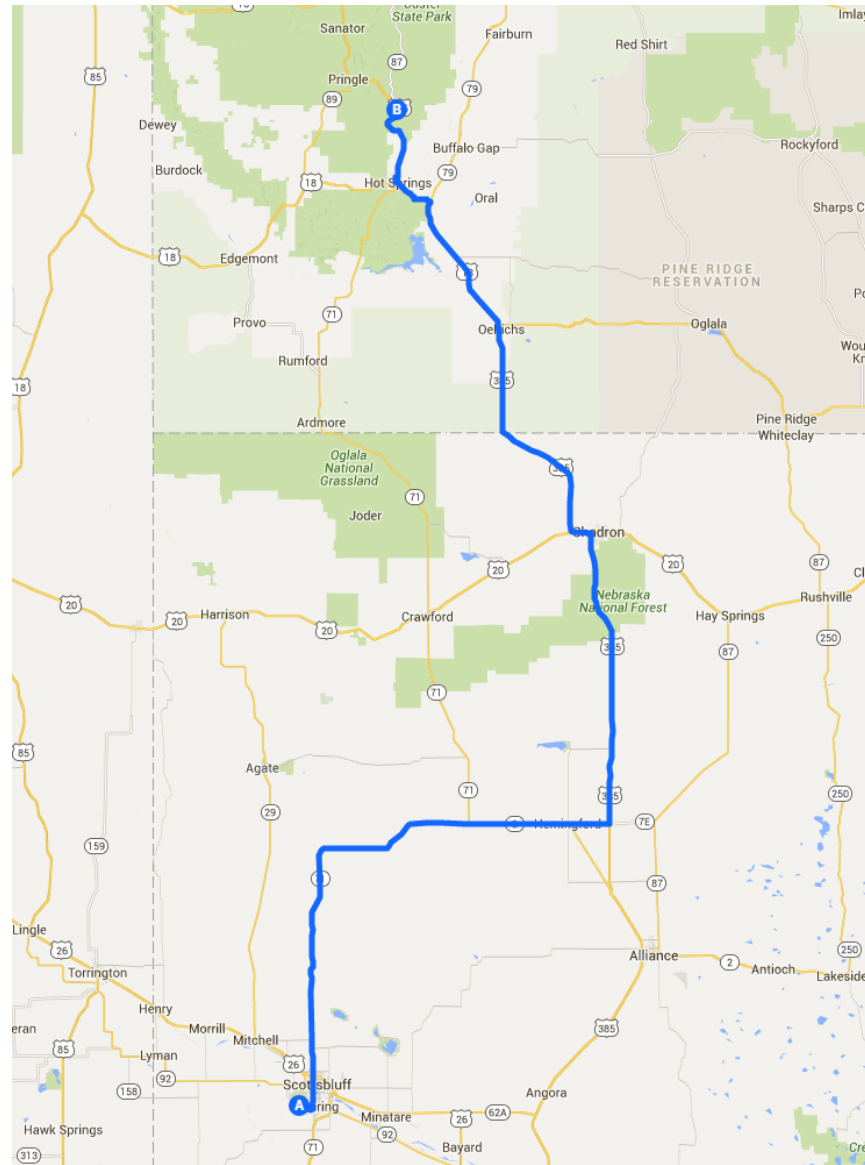
# STAGE 4

## 2016 AMERICAN SOLAR CHALLENGE

### Gering, NE to Hot Springs, SD August 6

<b>Start Location:</b>	Scotts Bluff National Monument, 190276 Old Oregon Trail, Gering, NE 69341
<b>Start Time:</b>	9:00 AM Mountain Time, August 6th
<b>Finish Location:</b>	Wind Cave National Park Visitor Center, Hot Springs, SD 57747
<b>Finish Time:</b>	4:00 PM Mountain Time, August 6th

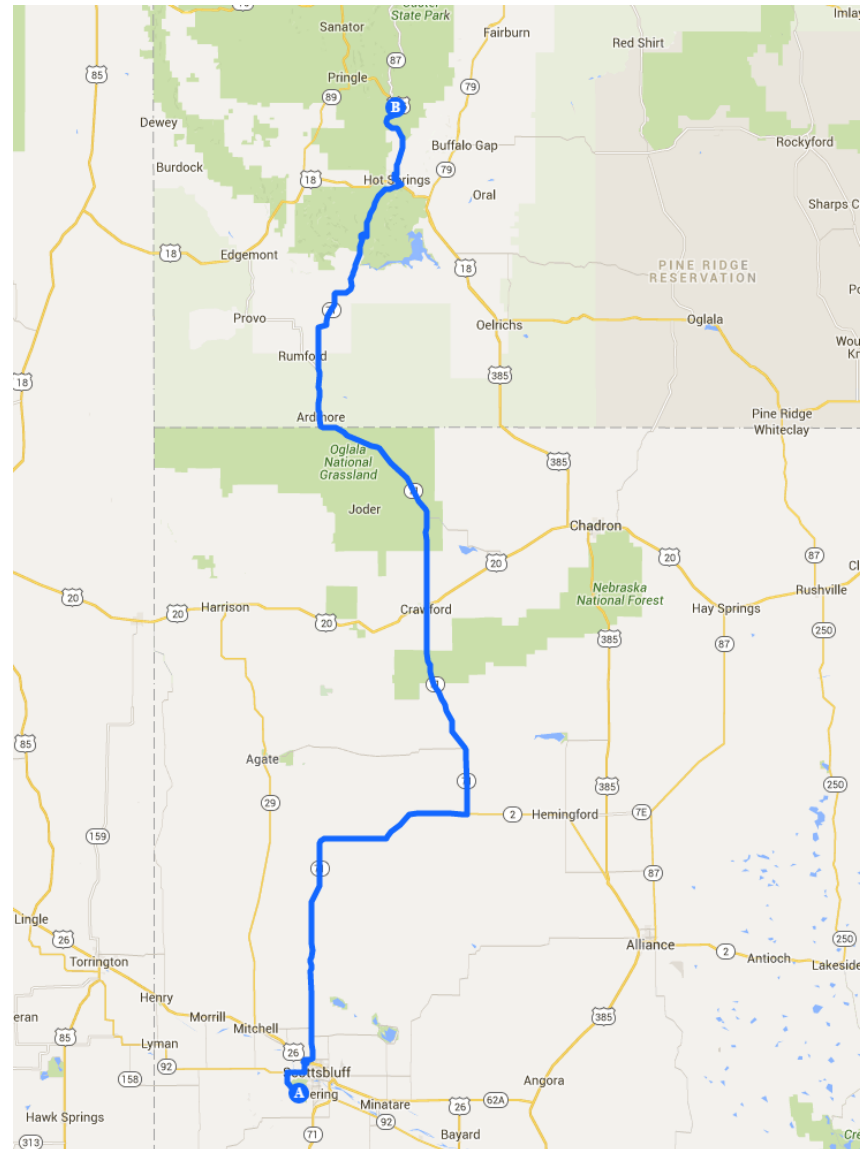
## SUPPORT VEHICLE ROUTE OVERVIEW

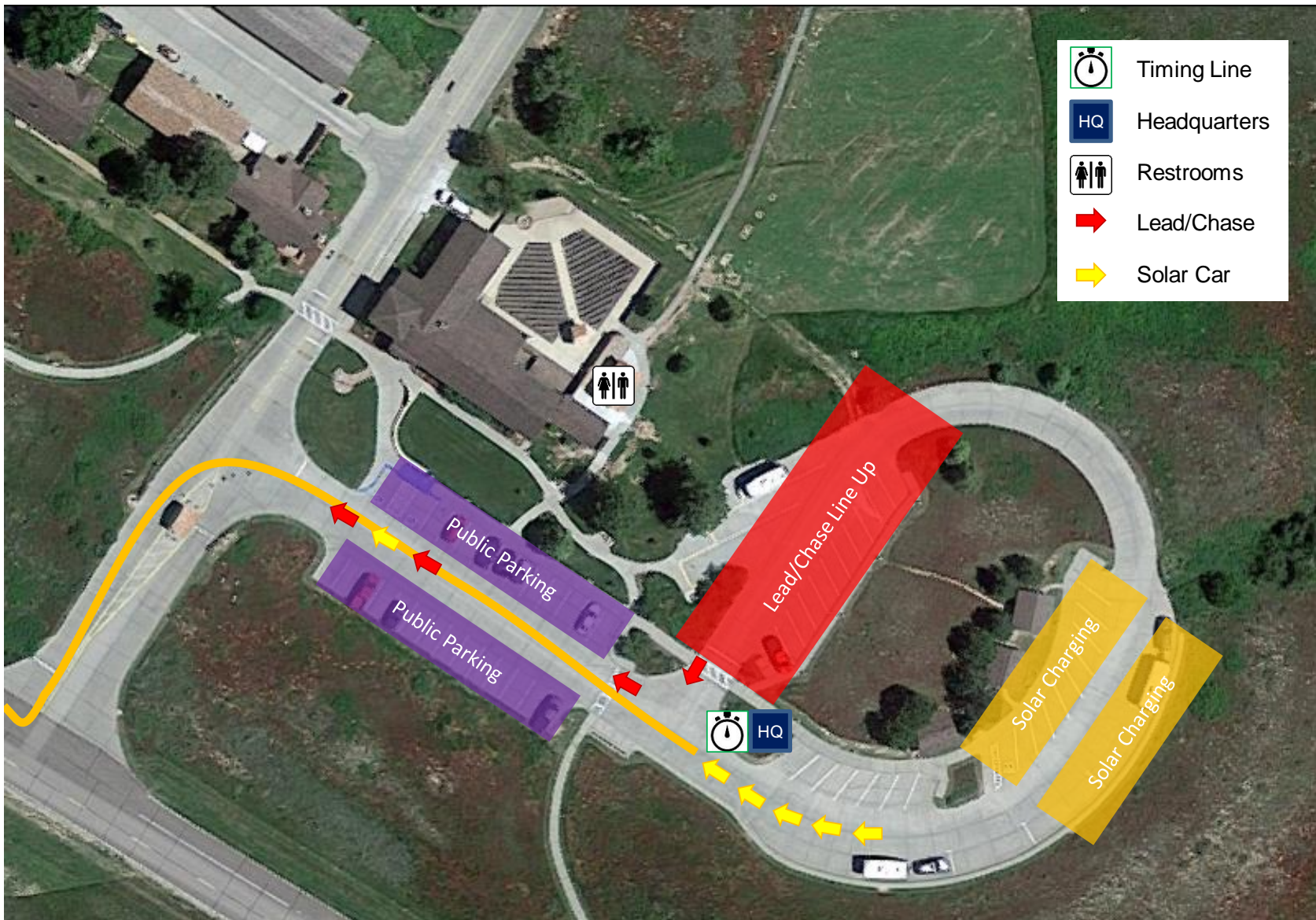


## SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

Step	Direction	Interval
1.	Head southeast out of the stage start on Old Oregon Trail	
2.	Turn left onto 5 Rocks Rd (signs for Scottsbluff) Will join up with solar car route in 4.3 miles at Step H11	1.7 mi
3.	Follow solar car route until Step H21 Roads on this stage are 2-lane rural highways, double check that your CB is working and be careful not to block other solar car caravans!	
4.	While you may turn left at Step H21 onto NE-71 to continue to follow the solar car route, we recommend that you continue straight for 17 more miles and turn north on US-385. Take US-385 all the way into Hot Springs - ~95 miles	95 mi
5.	Rejoin solar car route at Step H41 and follow the solar car route until step H54.	
6.	Do not turn left towards the timing finish – after step H54, continue straight	
7.	Turn left at the signs for Wind Cave National Park Visitor Center and Headquarters – this should be the first left after H54	2.2 mi
8.	Turn right at the first available right.	0.4 mi
9.	Continue to Elk Mountain Campground “D” Loop – See page 209. A single team vehicle may be parked at headquarters, all other vehicles must be kept at the campground.	0.9 mi

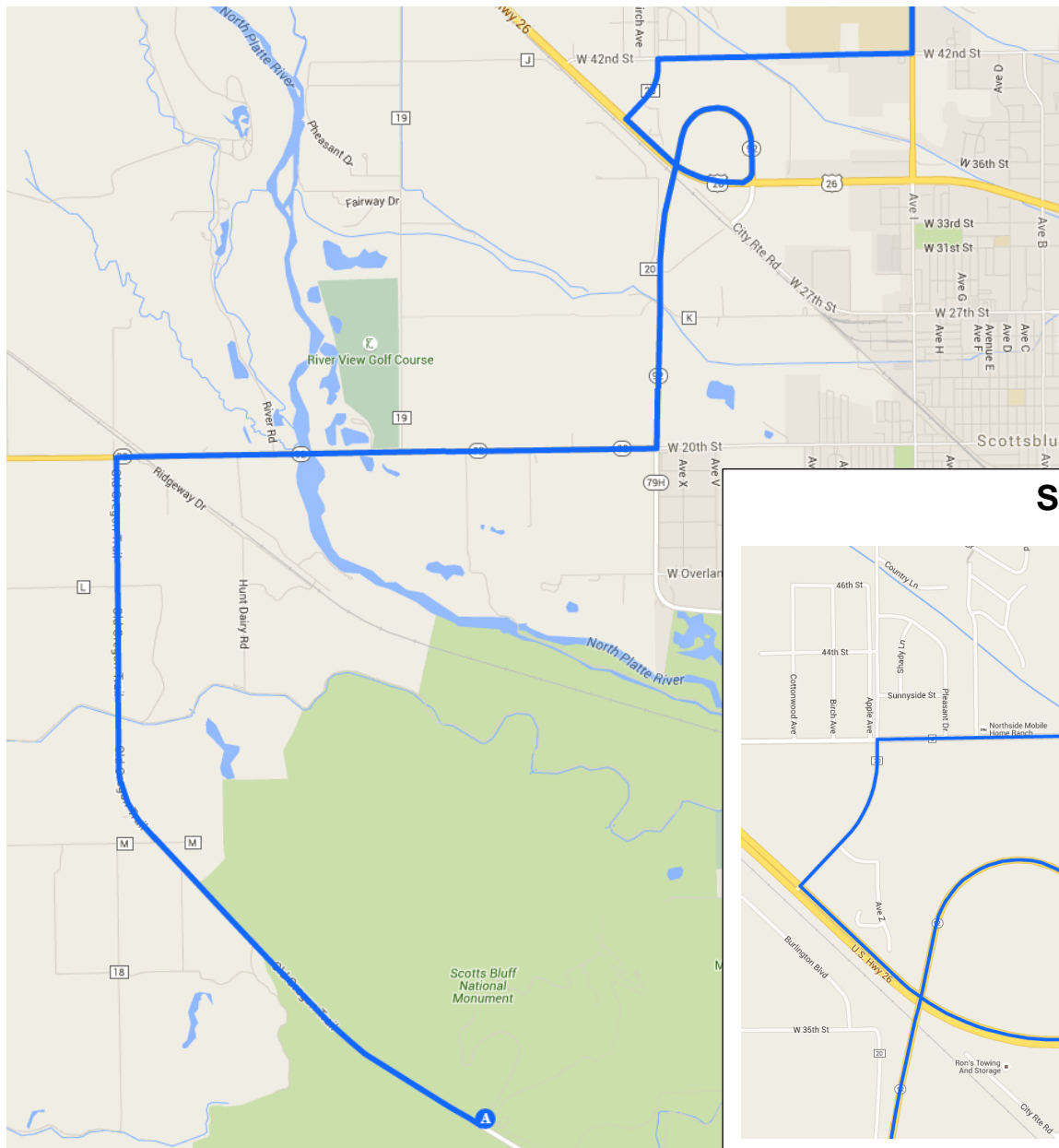
## SOLAR CAR ROUTE OVERVIEW



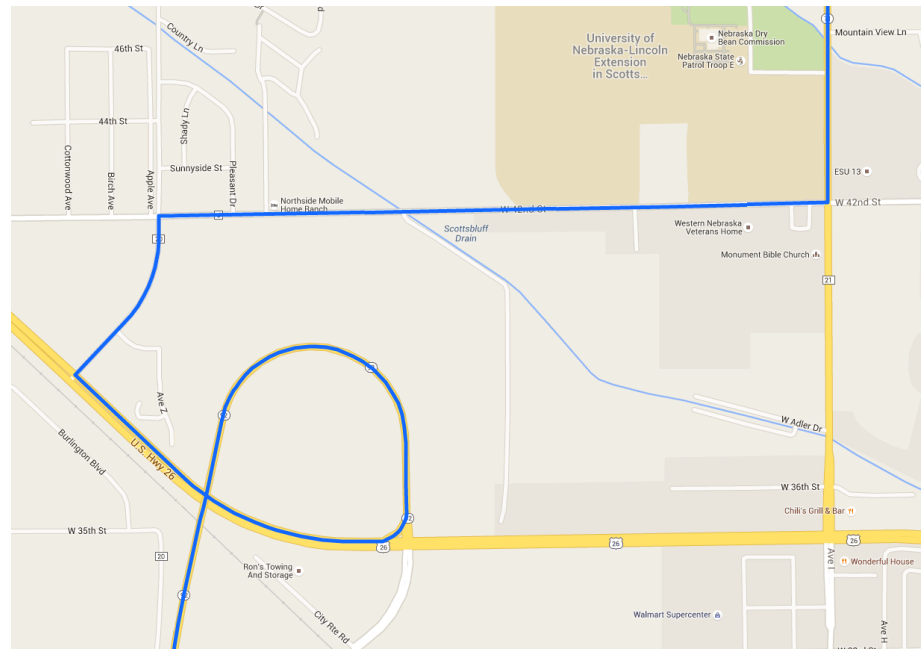


## Scotts Bluff Stage Point – Gering, NE – Stage Start



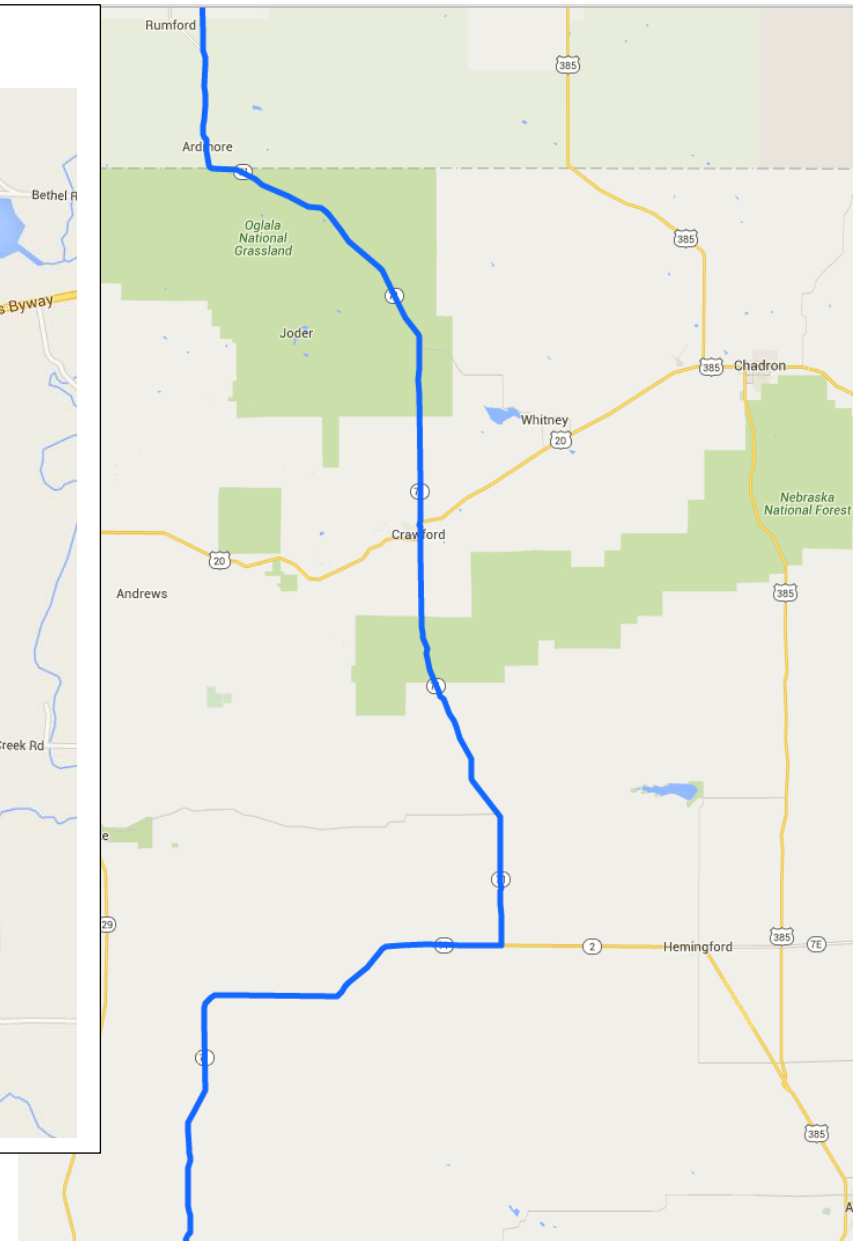
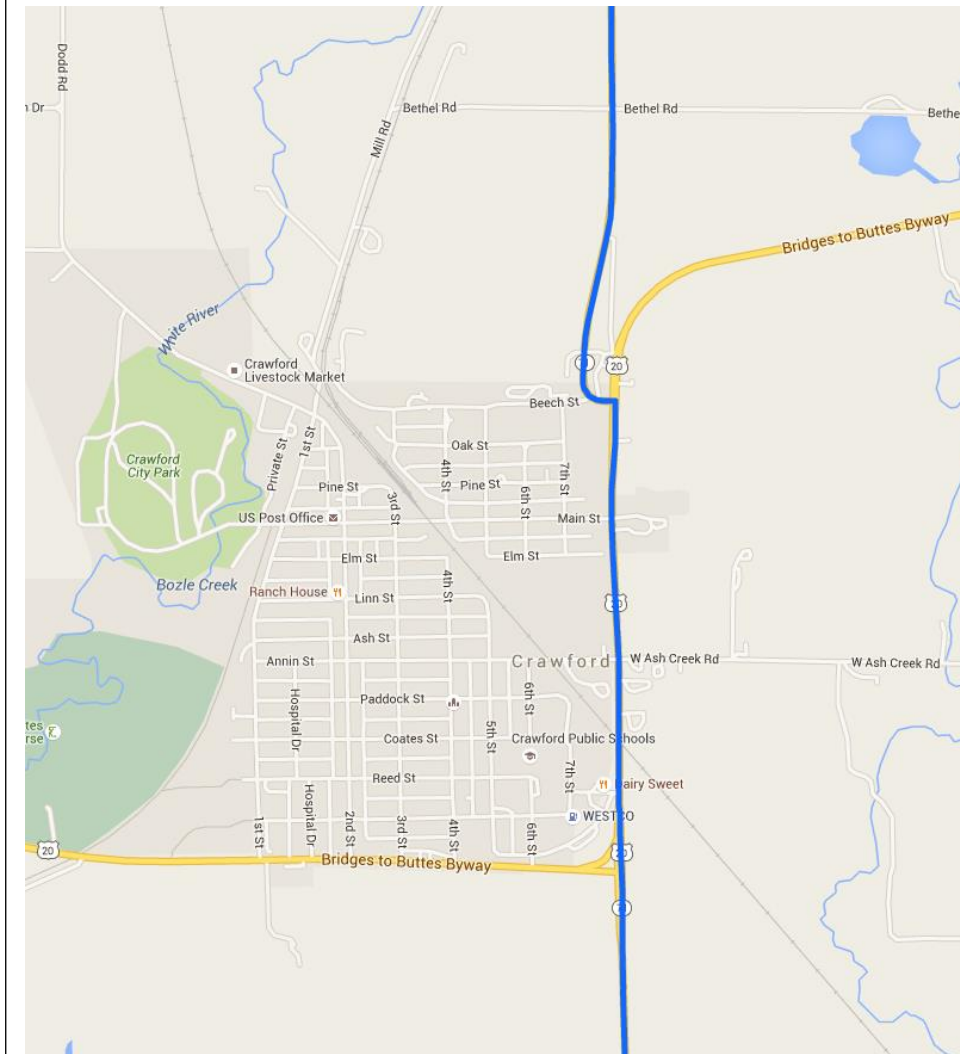


## Steps H8 – H11



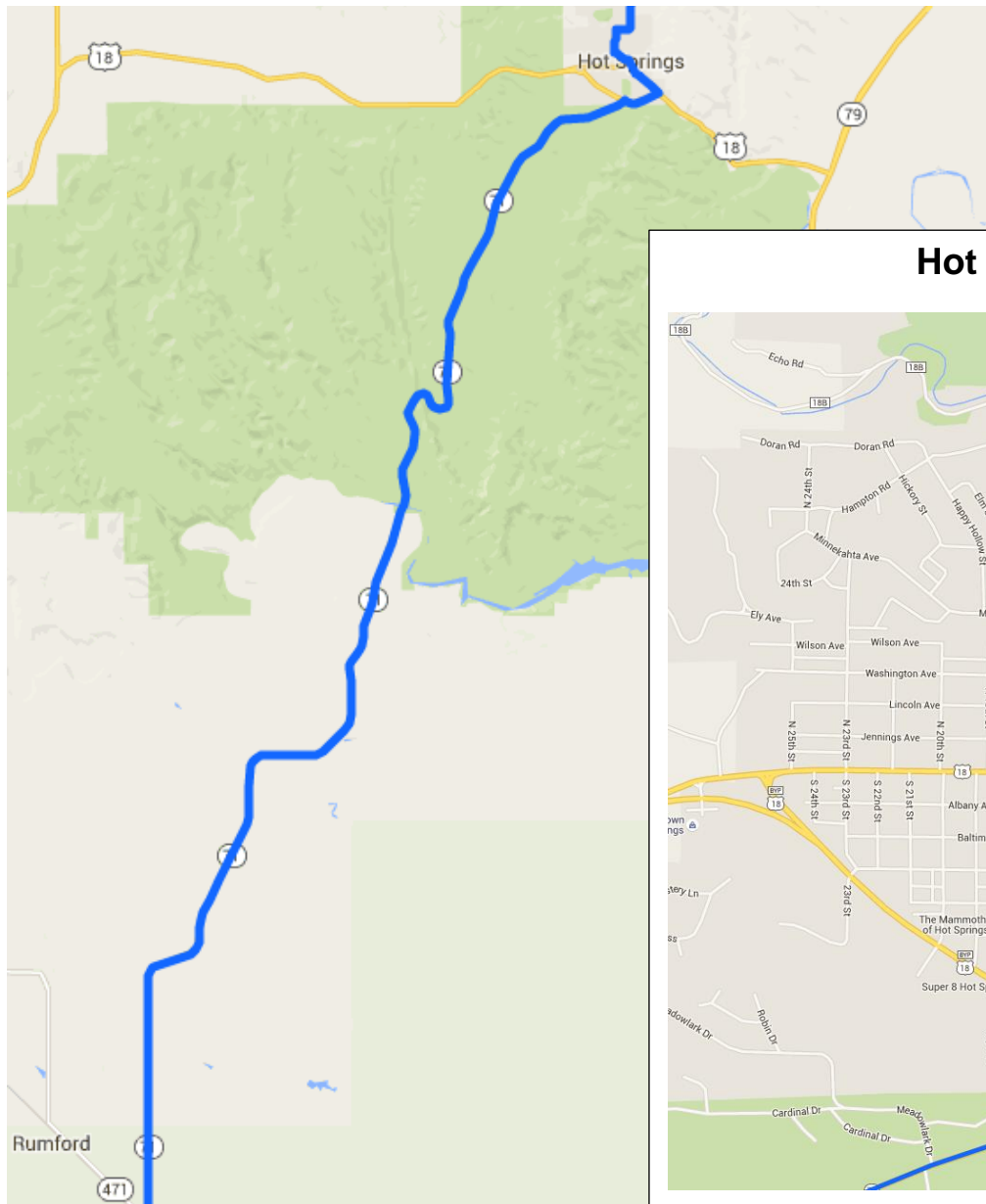
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 1	0.00		Turn right at the stop sign out of the parking lot of the Scott's Bluff visitor center.		1	45	grass/ gravel	
H 2	1.50	1.50				55		
H 3	3.20	1.70	Turn right at the stop sign for NE-92 towards Scottsbluff	Cross traffic does not stop		60		
H 4	3.30	0.10		RR Tracks - two sets, some big potholes	1	60	paved	
H 5	5.00	1.70		Rumble Strips				
H 6	5.30	0.30	Turn left at the all-way stop onto NE-92.	Flashing red, NE-79H Spur to the right	1	55	paved	
H 7	6.80	1.50		Rumble Strips				
H 8	7.10	0.30	Turn right before the stop sign onto US-26 West towards Mitchel		2	65	paved	
H 9	7.70	0.60	Turn right onto County Road 20	First available right turn	1	40	grass/ gravel	
H 10	8.00	0.30	Turn right at the 4-way stop for 42nd St.		1	40		
H 11	9.00	1.00	Turn left at stop sign, with "esu13 Serving the Panhandle" sign on far left corner.	Cross traffic does not stop. Now on NE-71 north.	1	50		
H 12	9.40	0.40		Scottsbluff water tower ahead on right	1	60	grass/ gravel	
H 13	13.00	3.60		Tub Springs Creek on right				
H 14	15.60	2.60		Mile marker 70				
H 15	16.90	1.30		Entering Sioux County				
H 16	25.60	8.70		Mile marker 80				
H 17	35.60	10.00		Mile marker 90				



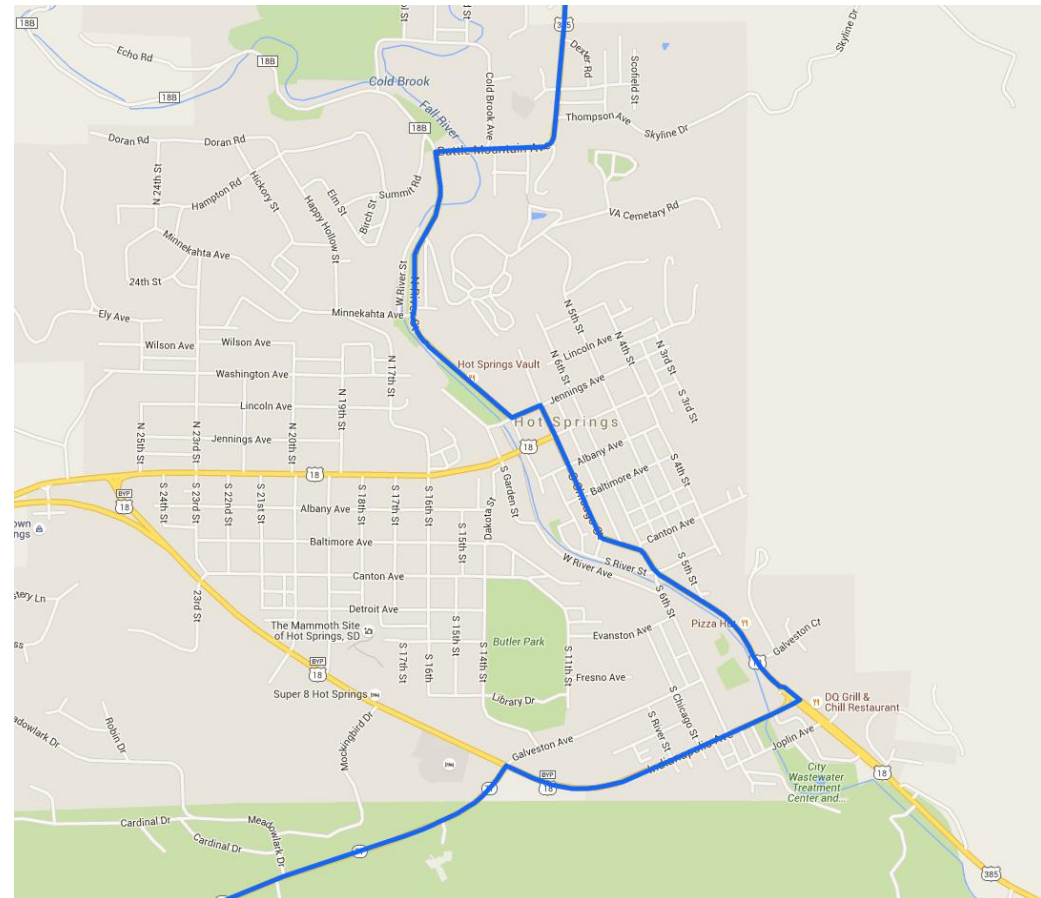
**Crawford: Step H27**



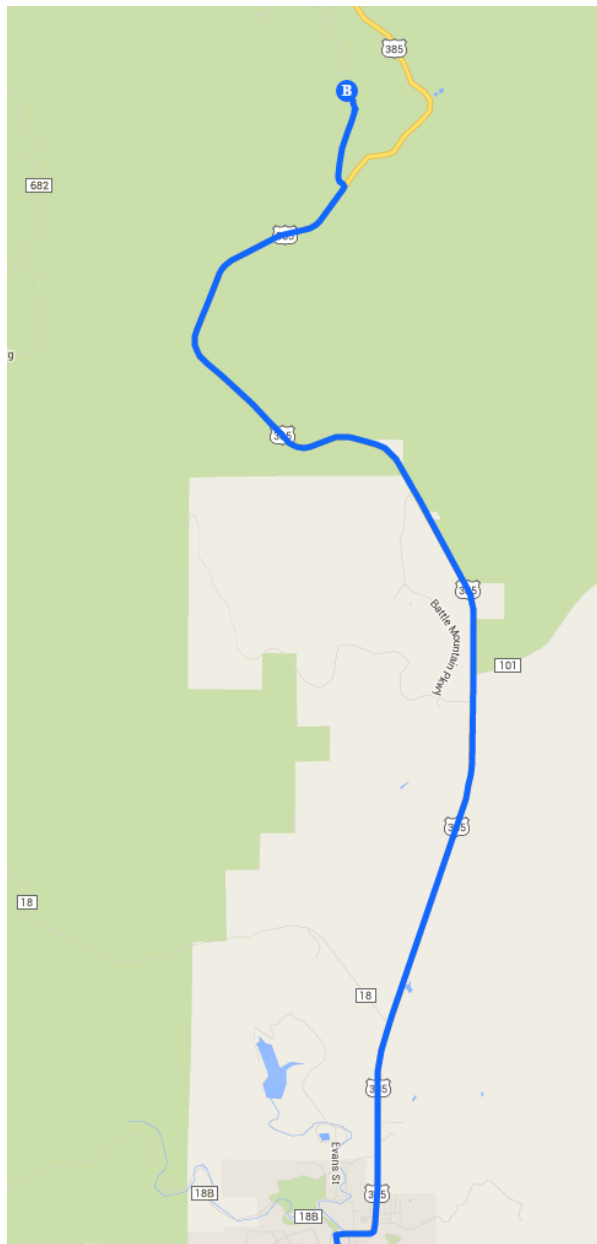
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 18	45.60	10.00		Mile marker 100	1	60		
H 19	48.50	2.90		Entering Box Butte County.				
H 20	52.50	4.00		County Road 85				
H 21	55.60	3.10	Turn left at junction with NE-2	No Stop sign or SL - Pay attention! Several large buildings and an antenna at junction.	1	60	grass/ gravel	
H 22	56.50	0.90	Continue following NE-71 towards Crawford	Mile marker 111, abandoned building and a house with solar panels to the right				
H 23	62.80	6.30		Bridge over the Niobrara River, enter Dawes County ahead				
H 24	65.60	2.80		Mile marker 120				
H 25	74.60	9.00		Steep curvy descent for next mile - no grade marked. Nice shoulder.	1	60	paved	
H 26	81.40	6.80		Junction US-20 West, Entering Crawford	1	45	paved	fuel
H 27	82.30	0.90	Turn left to continue following NE-2/NE-71. Signs to Toadstool Park.	No stop sign or SL - Pay attention! Sharp right curve immediately after turning.	1	60	grass/ gravel	
H 28	83.40	1.10		RR Tracks				
H 29	85.60	2.20		Mile marker 140				
H 30	102.50	16.90		Entering Sioux County				
H 31	111.20	8.70		Entering South Dakota. Highway NE-71 North becomes SD-71 North	1	55	gravel	
H 32	112.20	1.00		Entering Ardmore		40	grass/ gravel	
H 33	113.10	0.90				55		
H 34	118.10	5.00	Continue straight on SD-71 toward Hot Springs	Junction with SD-471 to the left				



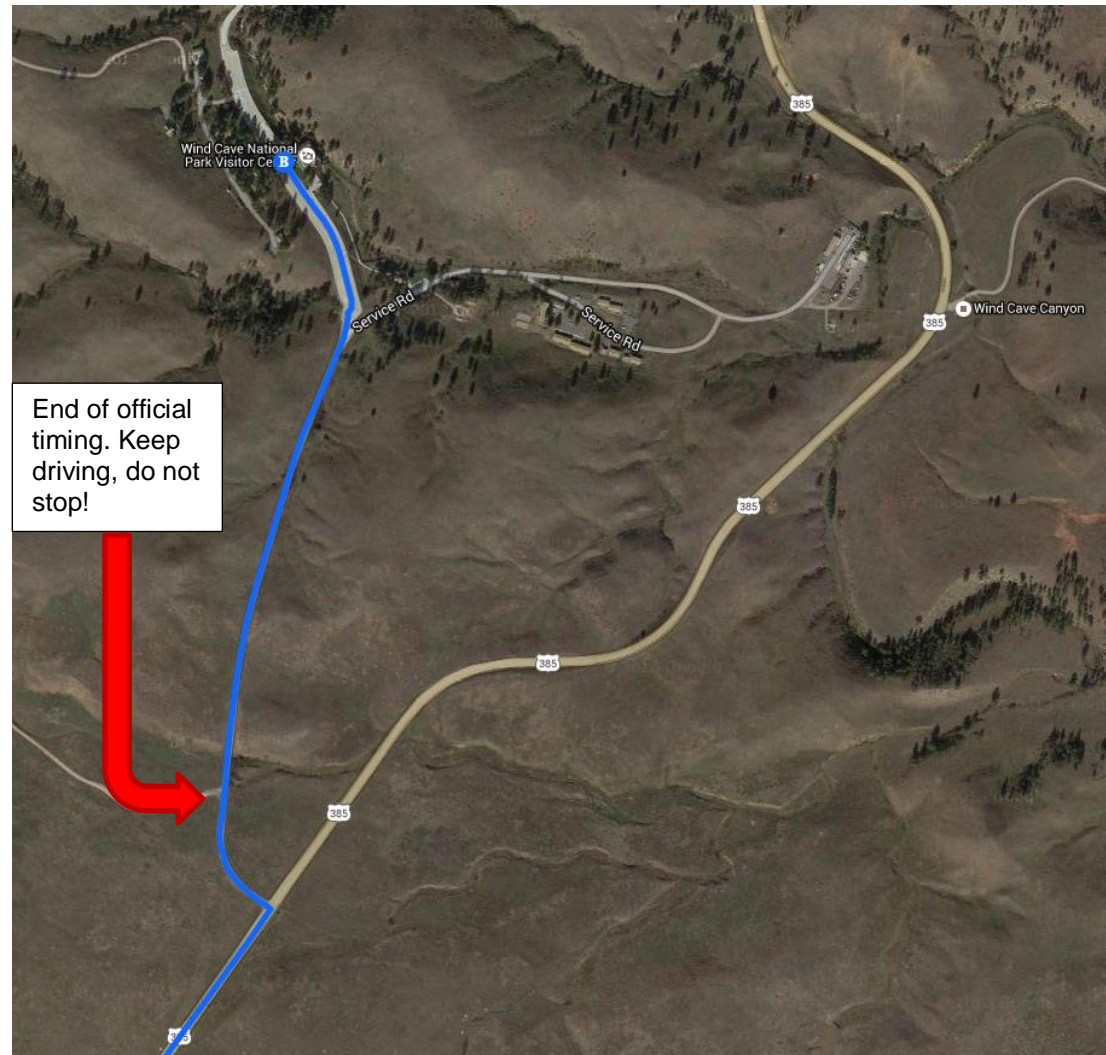
### Hot Springs: Steps H38 – H48



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 35	128.20	10.10		Indian Canyon Rd on the left side of a right bend, signs to Edgemont	1	55		
H 36	134.60	6.40		Wild Horse Sanctuary on left, cross bridge over the Cheyenne River	1	55	paved	
H 37	137.30	2.70		J.H. Keith Memorial Park pulloff area on left (gravel lot) in Cascade Springs Canyon				
H 38	144.90	7.60		Entering Hot Springs		45		Hospital to right
H 39	145.30	0.40	Turn right at the stop sign for US-18/Indianapolis Ave	Left lane ends ahead, stick in right lane	2	55	paved	
H 40	145.60	0.30			1	35		
H 41	146.00	0.40	Turn left at the stop sign onto US-385 North	Cross traffic does not stop. Dairy Queen across the highway on right	2	35	curb	food, fuel
H 42	146.30	0.30	Left lane ends ahead, merge right		1	25	curb	
H 43	146.50	0.20	Bear left to follow US-18/US-385	Dakotamart Gas on right				
H 44	146.90	0.40	Continue straight to follow US-385 North	SL for US-18/University Ave				
H 45	147.00	0.10	Turn left to follow US-385 North	Do not go straight up the hill into the Pioneer Museum.				
H 46	147.05	0.05	Turn right to follow US-385 North	Do not go straight over the small bridge.				
H 47	147.50	0.45		Hot Springs Information Center on left				
H 48	147.80	0.30	Turn right at the stop sign to follow US-385 North	All directions stop			wide paved w/curb	fuel
H 49	148.20	0.40		Signs for Historic Log Cabin Motel to left		35		
H 50	148.70	0.50			1	45	wide paved	

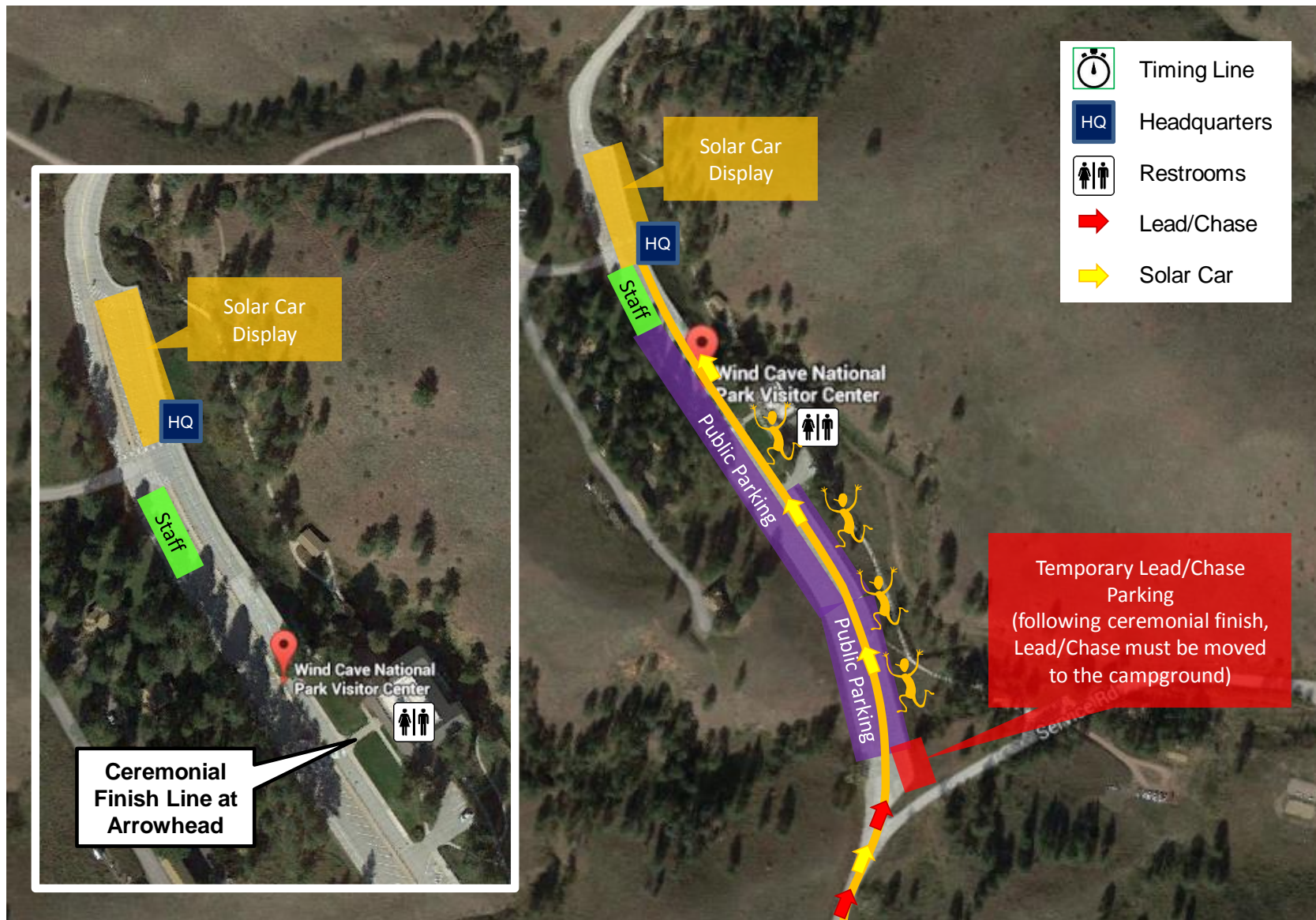


## Finish line: Steps H54 – H56



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 51	148.90	0.20			1	65	wide paved	
H 52	152.10	3.20		Signs for Trout Haven Ranch to the right				
H 53	154.10	2.00		Warning: Cattle grid in the road surface. Entering Wind Cave National Park.		45	narrow	
H 54	157.20	3.10	Turn left at the sign for "Wind Cave Tours" and "Wind Cave National Park"	Also signs to "Visitor Center Headquarters". End of timing tent after the turn.	1	30	none	
H 55	157.60	0.40		Cattle grate		15		
H 56	157.70	0.10	Follow flagger's directions to pull off and set up for the ceremonial finish.					





Wind Cave Finish Line – Hot Springs, SD – Ceremonial Finish





## Wind Cave Finish Line – Hot Springs, SD – Location Overview

