

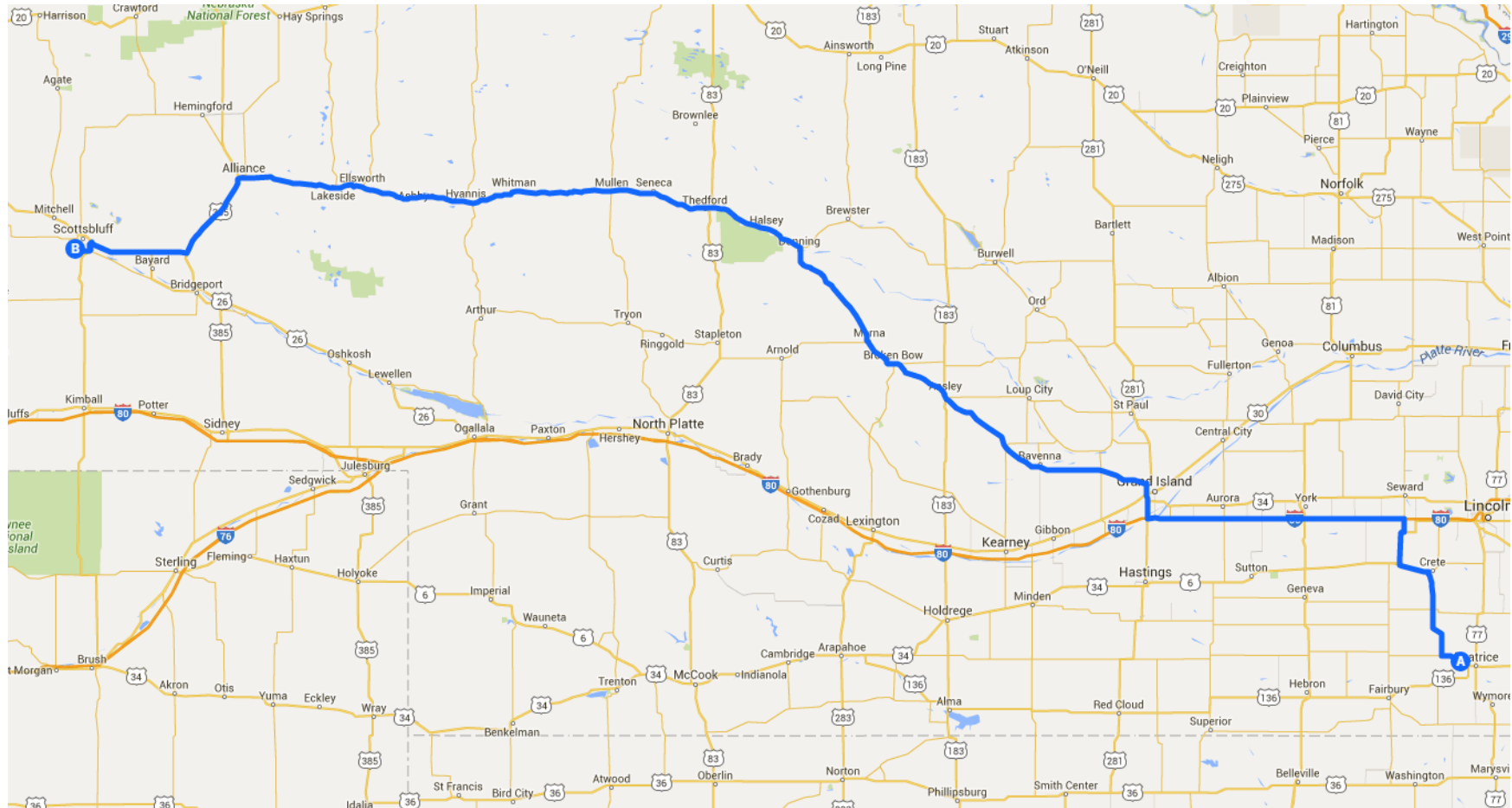
STAGE 3

PART C

2016 AMERICAN SOLAR CHALLENGE

Beatrice, NE – Gering, NE

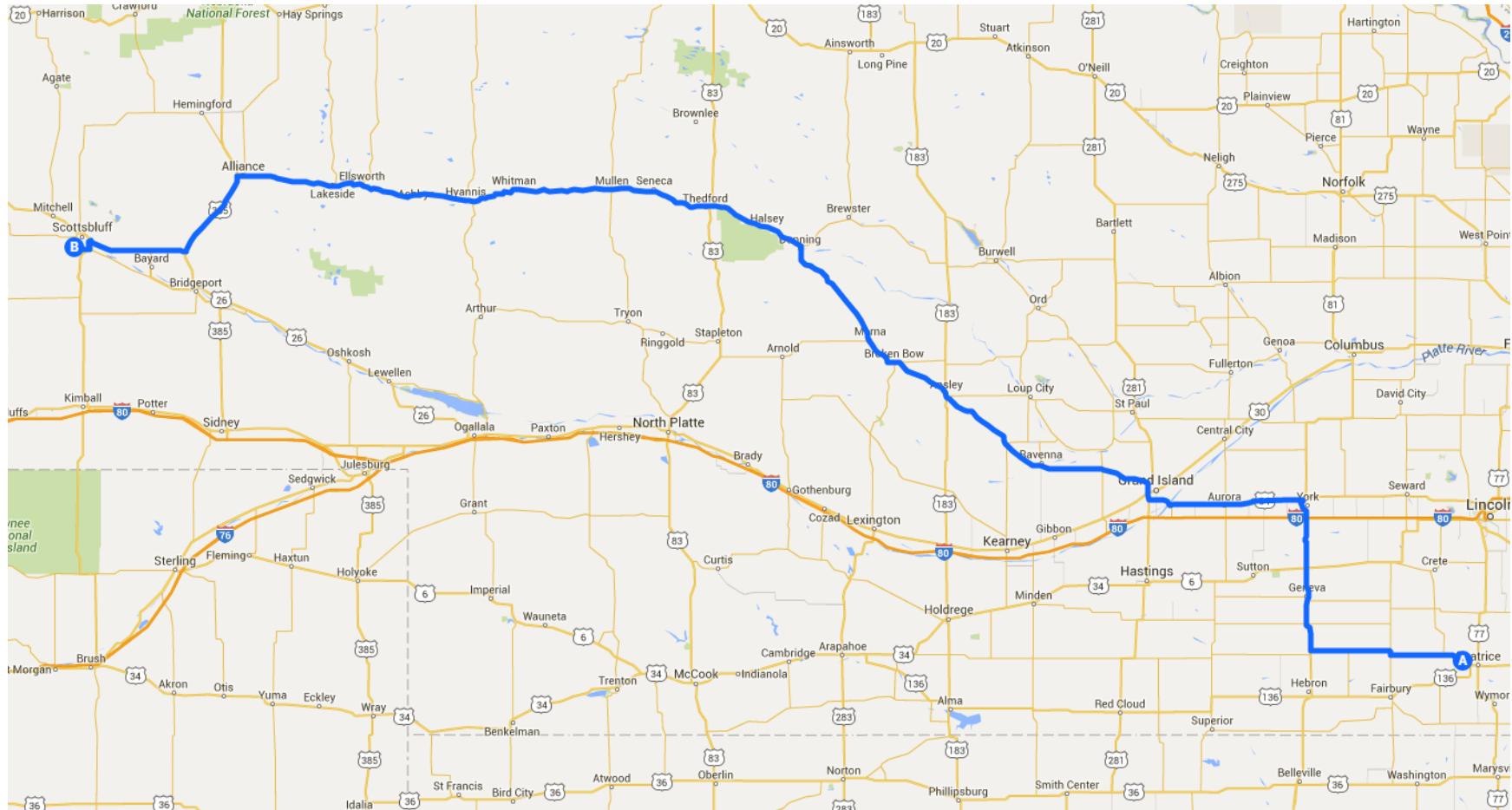
SUPPORT VEHICLE ROUTE OVERVIEW

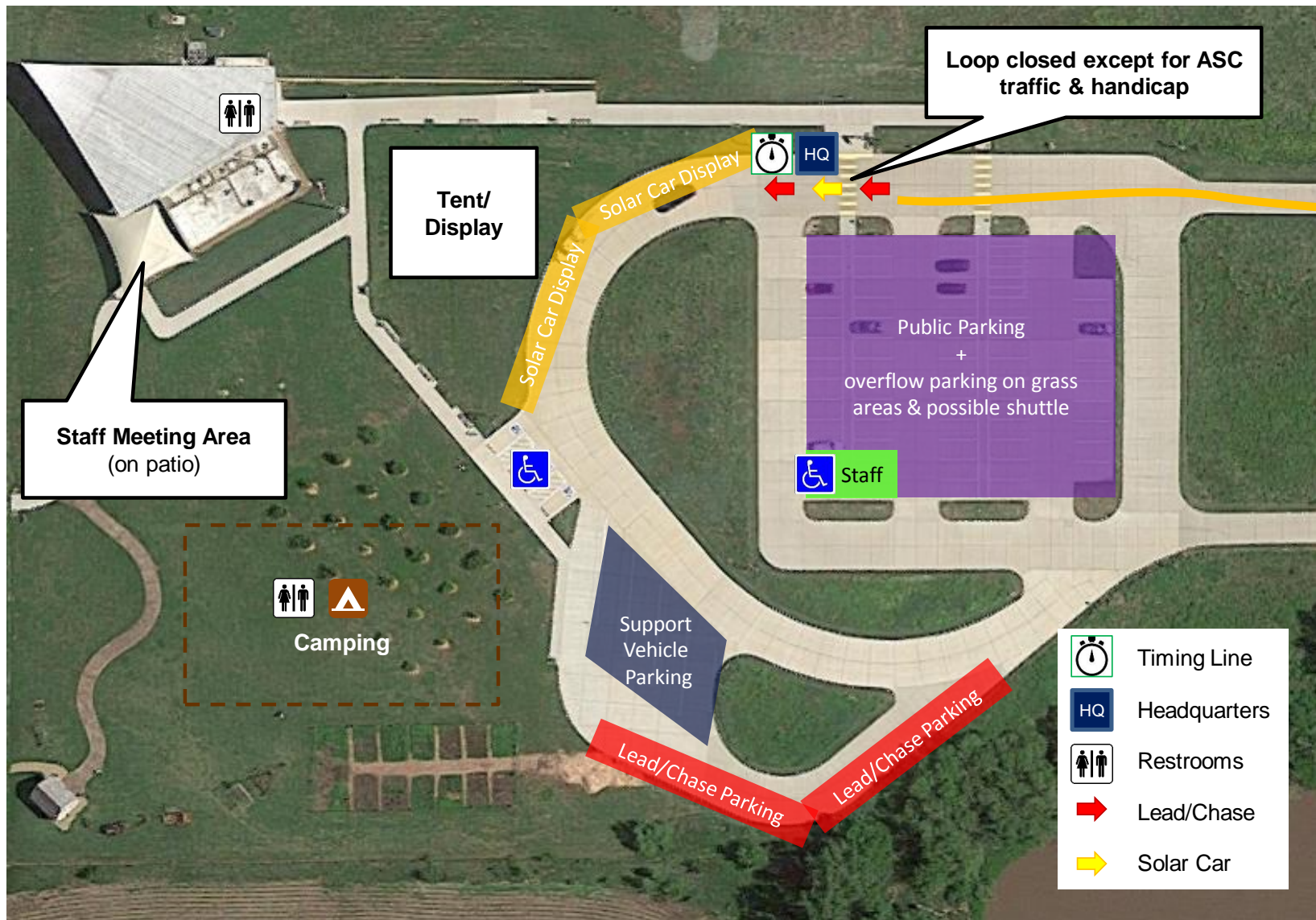


SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

Step	Direction	Interval
1.	Pull out of the checkpoint and head west on NE-4	
2.	Turn right onto NE-103 N	5.3 mi
3.	NE-103 N turns left and becomes NE-33 W	23.5 mi
4.	Turn right onto State Hwy 76E Link	7.5 mi
5.	Turn right onto US-6 E	0.9 mi
6.	Turn left onto NE-15 N	8.5 mi
7.	Turn left to merge onto I-80 W	3.7 mi
8.	Take exit 312 for US-34 N/US-281 N toward Grand Island	66.5 mi
9.	Turn right onto US-281 N/US-34 E. Continue to follow US-281 N	0.4 mi
10.	Intersect with solar car route 4.6 miles ahead, at Step G51. Continue to follow the solar car route for the rest of the stage. NE-2 is a two-lane highway, so double check that your CB is working and take care not to block other solar car caravans!	
11.	Support vehicles will be parked at Legacy of the Plains Museum, 1.5 miles before the stage finish. See page 192 for details.	

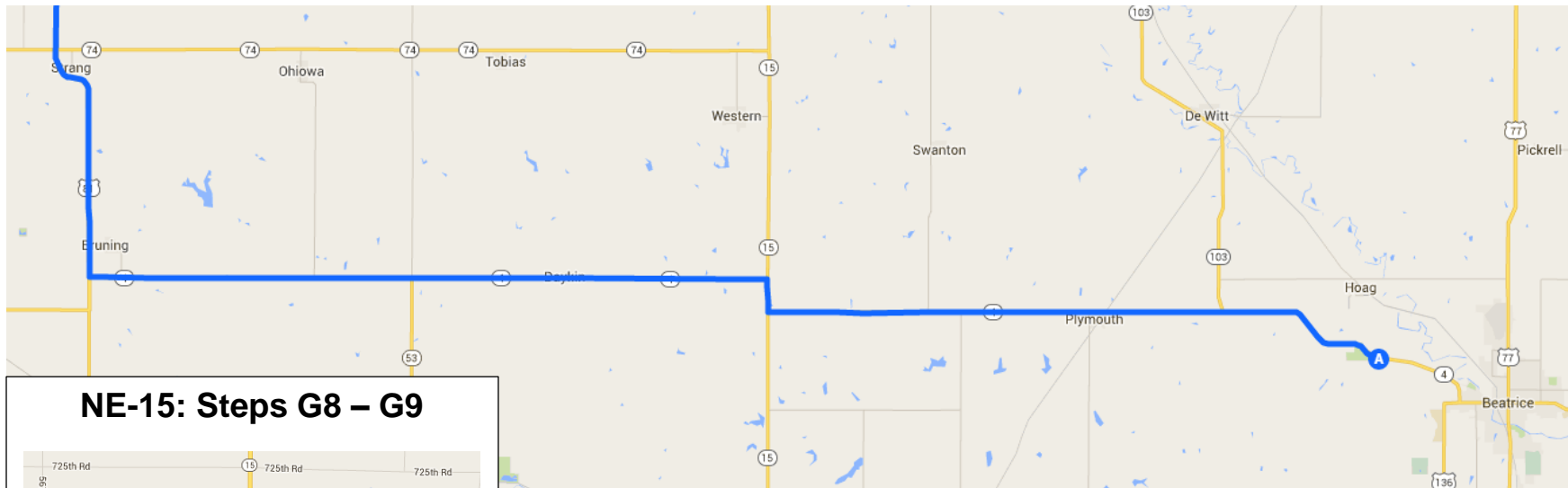
SOLAR CAR ROUTE OVERVIEW



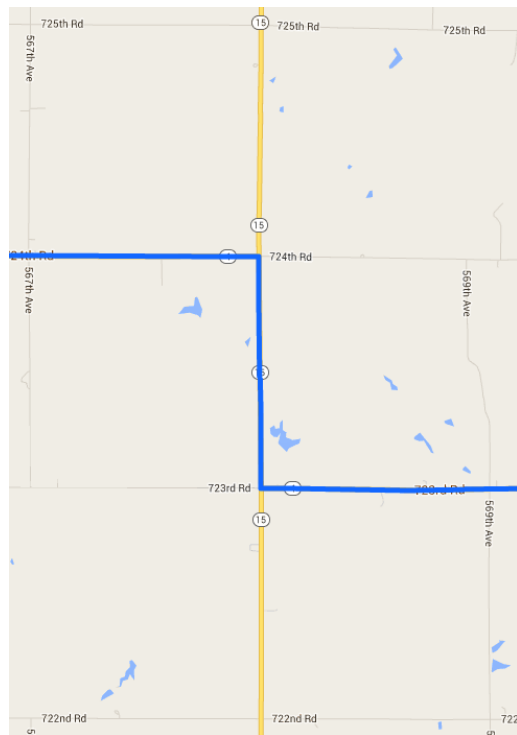


Homestead Checkpoint – Beatrice, NE – Checkpoint Detail





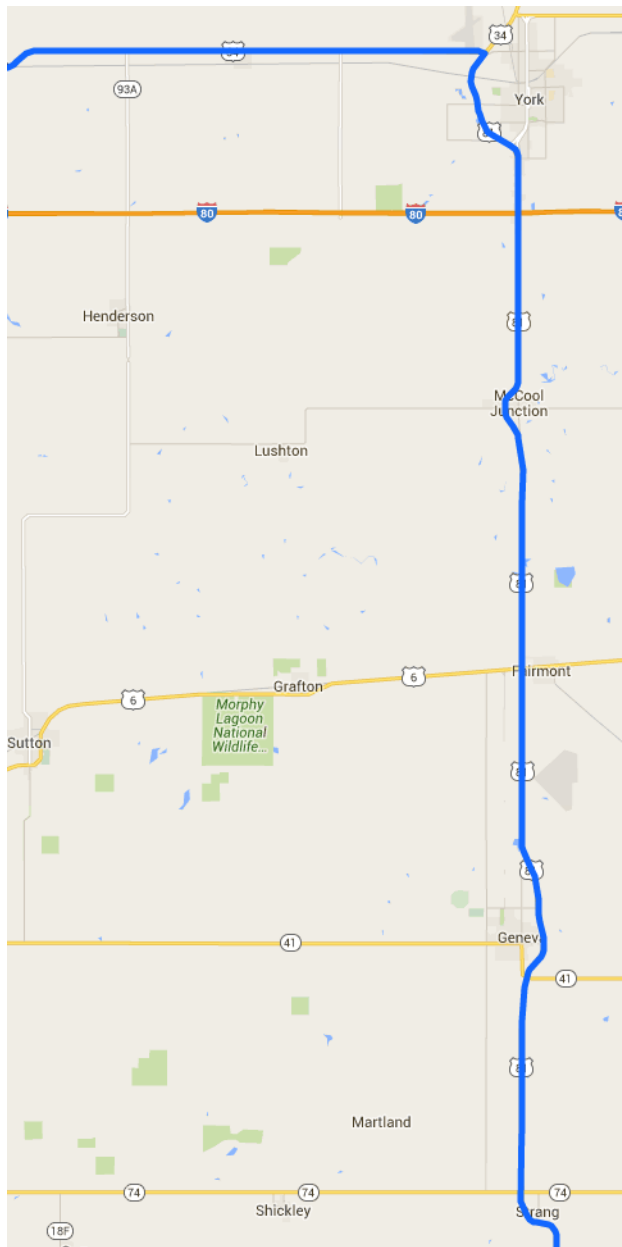
NE-15: Steps G8 – G9



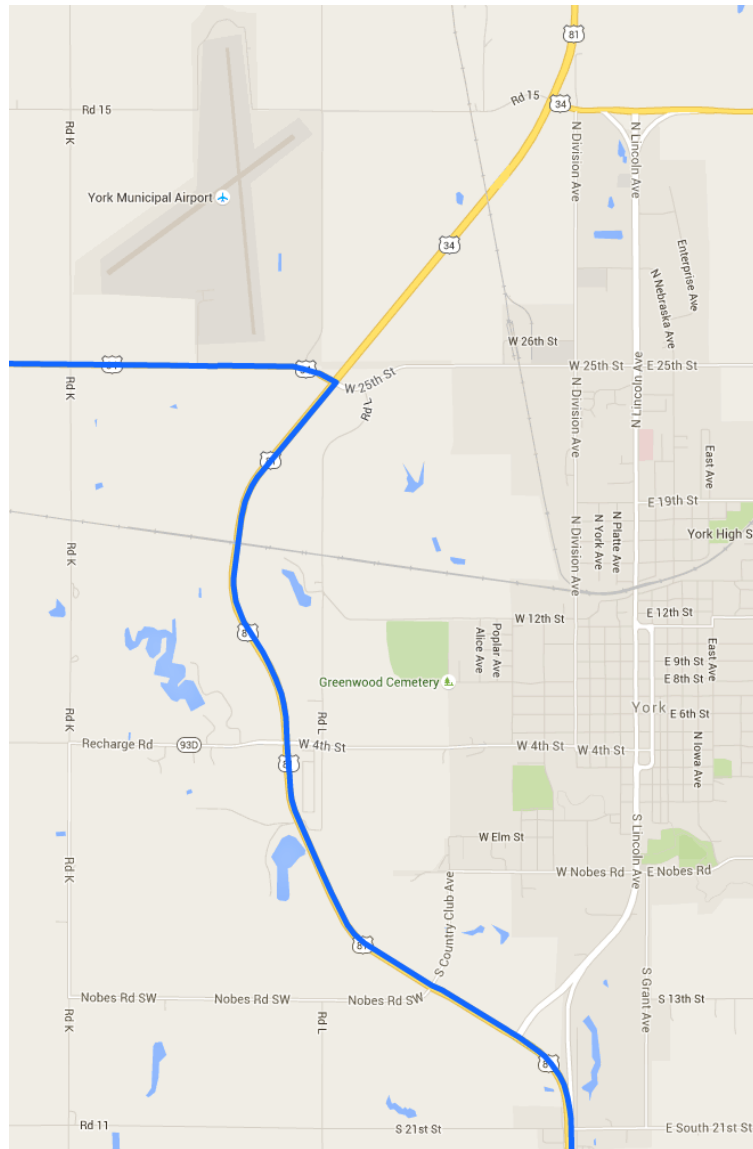
Checkpoint exit: Steps G1 – G2



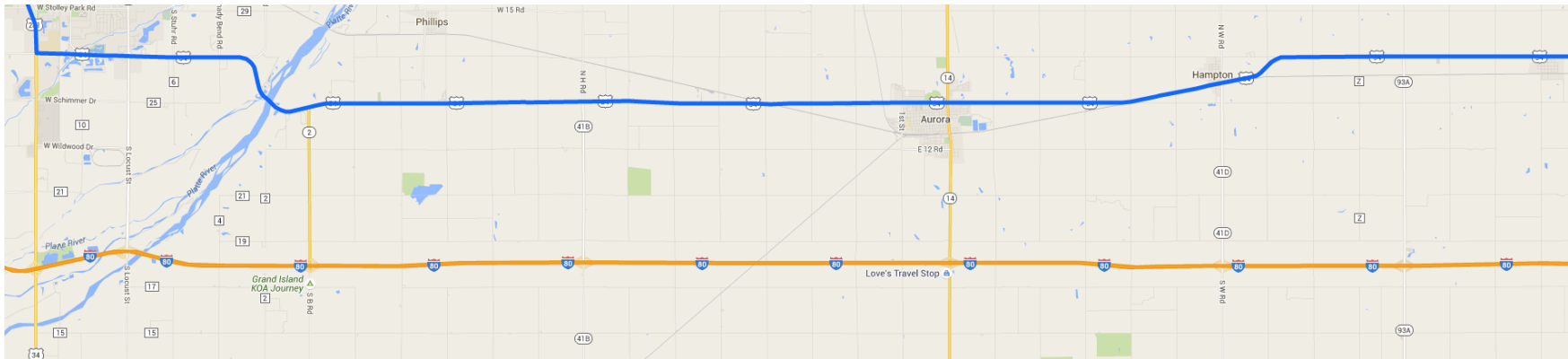
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 1	0.00		Turn left at the stop sign out of the parking lot					
G 2	0.05	0.05	Turn left at the stop sign at the stop sign onto NE-4 West	Cross traffic does not stop	1	45	grass/gravel	
G 3	0.90	0.85		Small bridge over Cub Creek, Education Center to left				
G 4	1.30	0.40				60		
G 5	5.40	4.10		Junction NE-103				
G 6	9.00	3.60		RR Tracks, entering Plymouth		40		fuel
G 7	9.70	0.70				60		
G 8	19.60	9.90	Turn right at the stop sign for NE-15 to continue following NE-4.	Be prepared for left turn in 1 mile. Cross traffic does not stop	1	60	grass/gravel	
G 9	20.60	1.00	Turn left to continue on NE-4 toward Daykin	No stop sign or SL - Pay attention!	1	60	grass/gravel	
G 10	26.50	5.90		Entering Daykin		50		
G 11	26.60	0.10				35		
G 12	27.10	0.50				50		
G 13	27.30	0.20				60		
G 14	31.60	4.30		Junction NE-53, access to Alexandria				
G 15	41.60	10.00	Turn right at the stop sign onto US-81 North	Cross traffic does not stop	2	65	paved	
G 16	42.60	1.00		Access to Bruning via NE-85C Spur, Shell truck stop to the right				fuel
G 17	49.20	6.60		Junction NE-74				



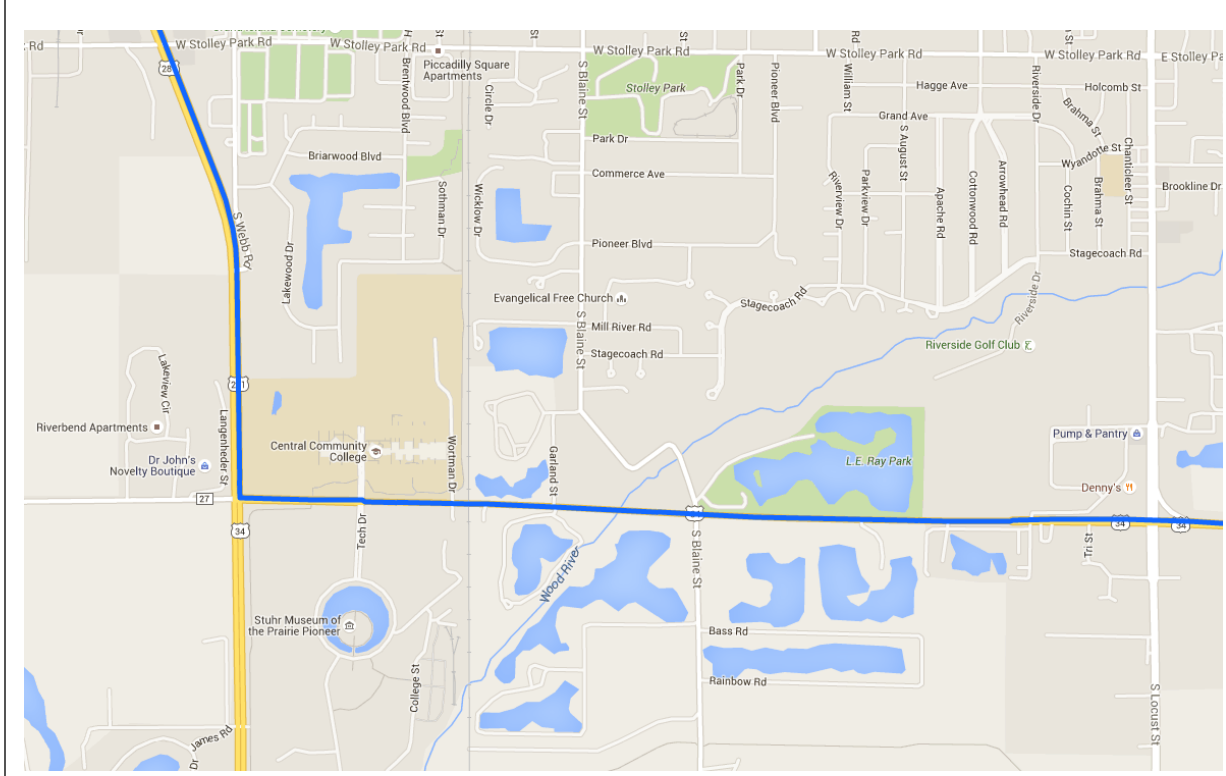
York, US-81 to US-34: Steps G30 – G34



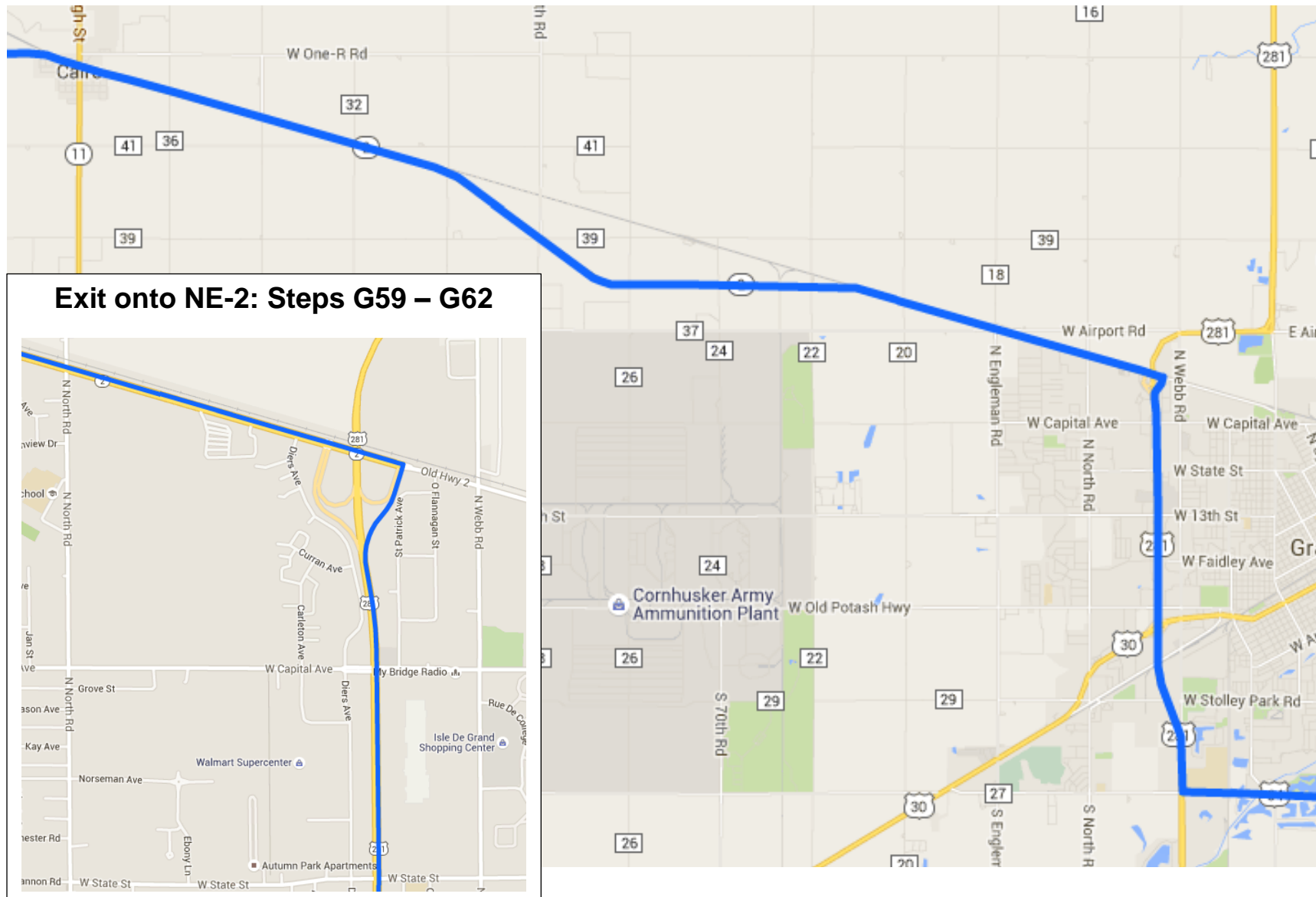
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 18	55.20	6.00		Junction NE-41, entering Geneva - next 4 intersections	2	55		full services in Geneva
G 19	56.40	1.20		County Rd F				Hospital access to the left
G 20	58.90	2.50				65		
G 21	63.60	4.70		Junction US-6 with access to Fairmont	2	65	paved	fuel
G 22	71.40	7.80			2	55	paved	
G 23	72.20	0.80		Access to McCool Junction via NE-93F Spur on right				
G 24	72.80	0.60				65		
G 25	76.70	3.90		Entering York	2	50	paved	
G 26	77.00	0.30		SL				fuel, hotels, food
G 27	77.20	0.20		SL for I-80 East				
G 28	77.40	0.20		SL for I-80 West				
G 29	77.90	0.50				55		
G 30	78.80	0.90	Continue to follow US-81 as it curves to the left	Business District/York College/Lincoln Ave exit at right				
G 31	79.30	0.50		SL with access to Lincoln Ave	2	60	paved	
G 32	80.90	1.60		Junction with NE-93D Spur				
G 33	82.40	1.50	Turn left onto US-34 West towards Grand Island	No stop sign or SL - Pay attention! Has a left turn lane	1	60	paved	
G 34	82.90	0.50		Jet on pedestal on right, York Municipal Airport				



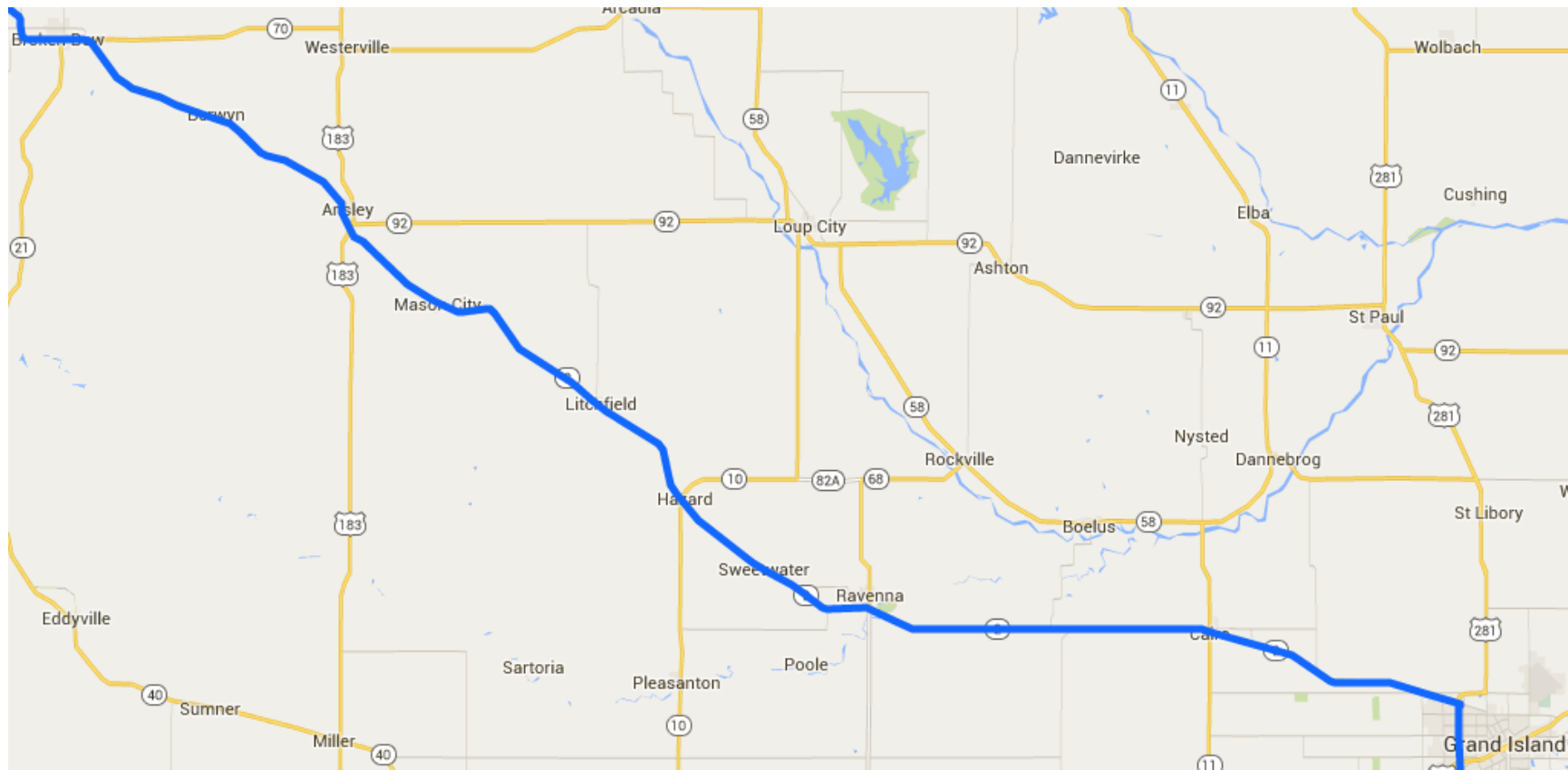
Turn right for US-281/NE-2: Steps G48 – G52



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 35	89.00	6.10		Entering Bradshaw	1	50		
G 36	89.70	0.70				60		
G 37	96.60	6.90		Entering Hampton	1	40	paved	fuel
G 38	97.00	0.40				60		
G 39	102.20	5.20		Entering Aurora		50		Full services in Aurora
G 40	102.80	0.60		SL for Junction NE-14	2	35	curb	
G 41	103.50	0.70	Right lane ends in 3/4 mile, merge left			45		Hospital
G 42	103.90	0.40				50		
G 43	104.30	0.40		RR Tracks	1	60	paved	
G 44	110.90	6.60		Junction NE-41B Spur				
G 45	116.90	6.00		Junction with NE-2.				
G 46	118.00	1.10		Cross Platte River, entering Grand Island				Full services in Grand Island
G 47	121.30	3.30				45		
G 48	121.60	0.30		SL for S Locust St				
G 49	121.90	0.30			1	50	paved	
G 50	123.10	1.20		RR Tracks		45		
G 51	123.60	0.50	Turn right at the SL for US-281 to follow NE-2		2	50	wide paved	



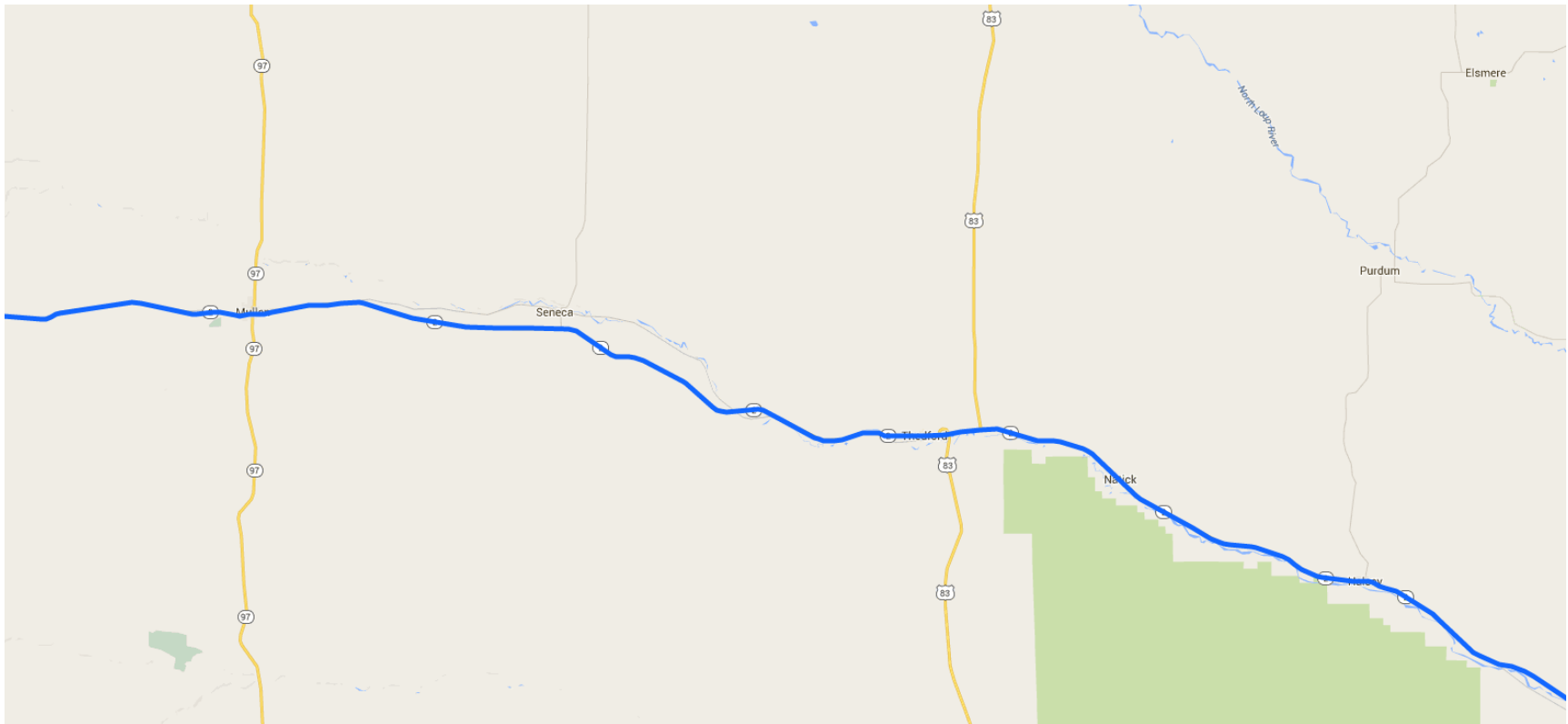
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 52	124.60	1.00		SL for Stolley Park Rd	2	50		
G 53	125.00	0.40				45		
G 54	125.40	0.40		SL for US-30 East				
G 55	125.50	0.10		SL for US-30 West				
G 56	125.70	0.20		SL for Old Potash Hwy				
G 57	126.20	0.50		SL for Faidley Ave	2	45	paved	
G 58	126.70	0.50		SL for 13th St				
G 59	127.20	0.50		SL for Slate St				
G 60	127.70	0.50		SL for Capitol Ave				
G 61	127.90	0.20	Exit right onto NE-2 West towards Broken Bow					
G 62	128.30	0.40	Turn left at the stop sign at the bottom of the exit with signs for NE-2 West	Cross traffic does not stop. Continue to follow signs for NE-2 West for next ~270 miles	2	50	curb	
G 63	128.80	0.50	Left lane ends 3/4 mile ahead		2	55	paved	
G 64	130.10	1.30			1	65	paved	
G 65	132.60	2.50		RR Tracks				
G 66	140.40	7.80		Entering Cairo		45	curb	
G 67	140.60	0.20				35		
G 68	140.80	0.20		Junction NE-11				fuel



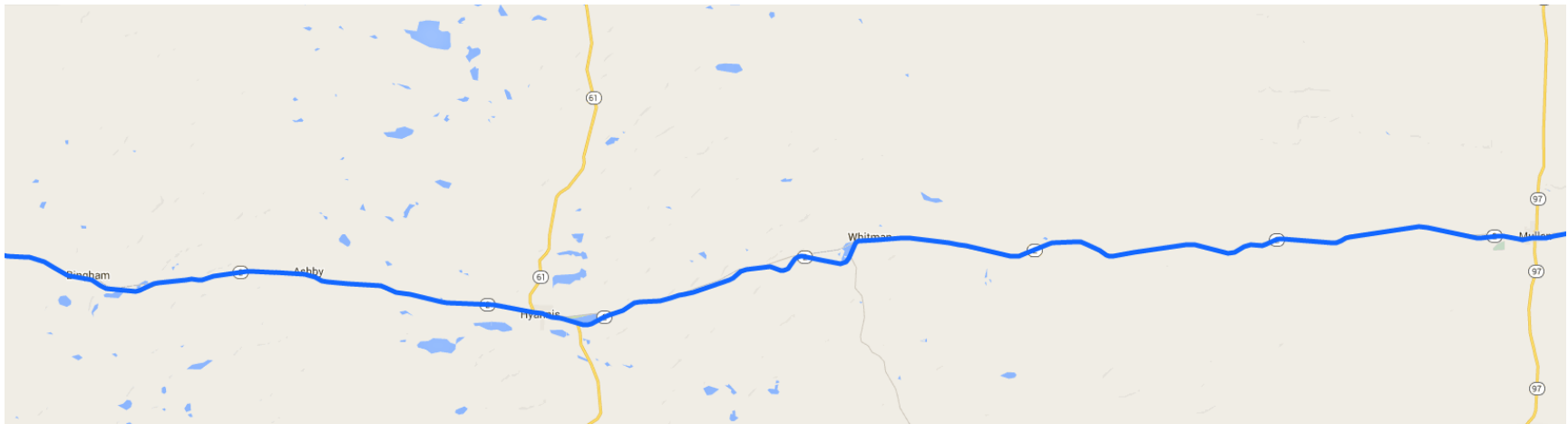
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 69	140.90	0.10			1	45		
G 70	141.30	0.40				65	paved	
G 71	148.20	6.90		St. Michael Rd				
G 72	156.70	8.50				45		
G 73	157.00	0.30		Flashing yellow for NE-68, access to Ravenna to the right				fuel, Subway
G 74	157.30	0.30			1	65	paved	
G 75	167.80	10.50		Junction with NE-10 in Hazard. Watch out for cross traffic (they have stop sign)				
G 76	173.30	5.50		Entering Litchfield		55		fuel
G 77	174.00	0.70				65		
G 78	182.70	8.70		Entering Mason City. Campground and picnic area across the train tracks to the right		45		
G 79	183.50	0.80				65		
G 80	188.40	4.90		picnic pulloff area on right				
G 81	189.00	0.60		Entering Ansley, junction US-183 and NE-92		45	curb	
G 82	190.10	1.10			1	65	paved	
G 83	197.20	7.10		Entering Berwyn				
G 84	204.50	7.30		Entering Broken Bow. Junction with NE-70 to the right	2	50	curb	Full services in Broken Bow
G 85	204.90	0.40				40		



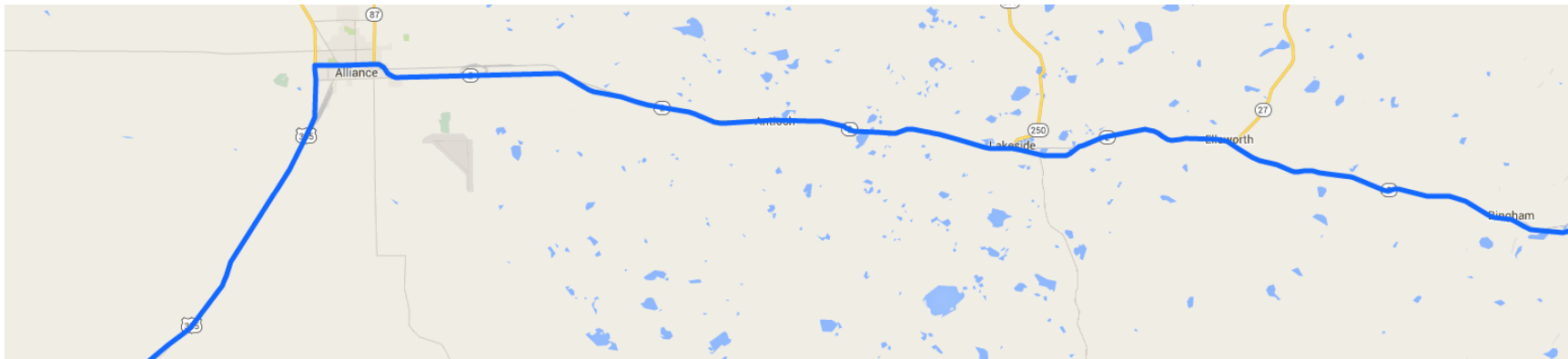
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 86	205.10	0.20			2	35		
G 87	205.40	0.30	Right lane ends after this light	SL for 1st Ave	1	30		Hospital access at right
G 88	205.80	0.40		SL for 8th Ave/NE-21		25		
G 89	205.90	0.10		SL for 9th Ave (Last SL for next ~200 miles!)		30		
G 90	206.20	0.30				40		
G 91	206.40	0.20		Scrap metal dinosaur sculpture on left		45		
G 92	206.90	0.50			1	55	paved	
G 93	208.70	1.80		Cellular service becomes increasingly spotty past Broken Bow. Plan ahead.		65		
G 94	215.00	6.30		Junction NE-92, Merna on right	1	65	paved	fuel
G 95	225.90	10.90		Entering Anselmo		45		fuel
G 96	226.50	0.60				65		
G 97	237.60	11.10		Entering Blain County				
G 98	246.30	8.70		Cross the Dismal River, entering Dunning		50		
G 99	246.80	0.50		Cross Middle Loop River, junction with NE-91 ahead		60		fuel
G 100	247.30	0.50			1	65	paved	
G 101	256.80	9.50				55		
G 102	256.90	0.10		Entering town of Halsey and Thomas County	1	40	curb	



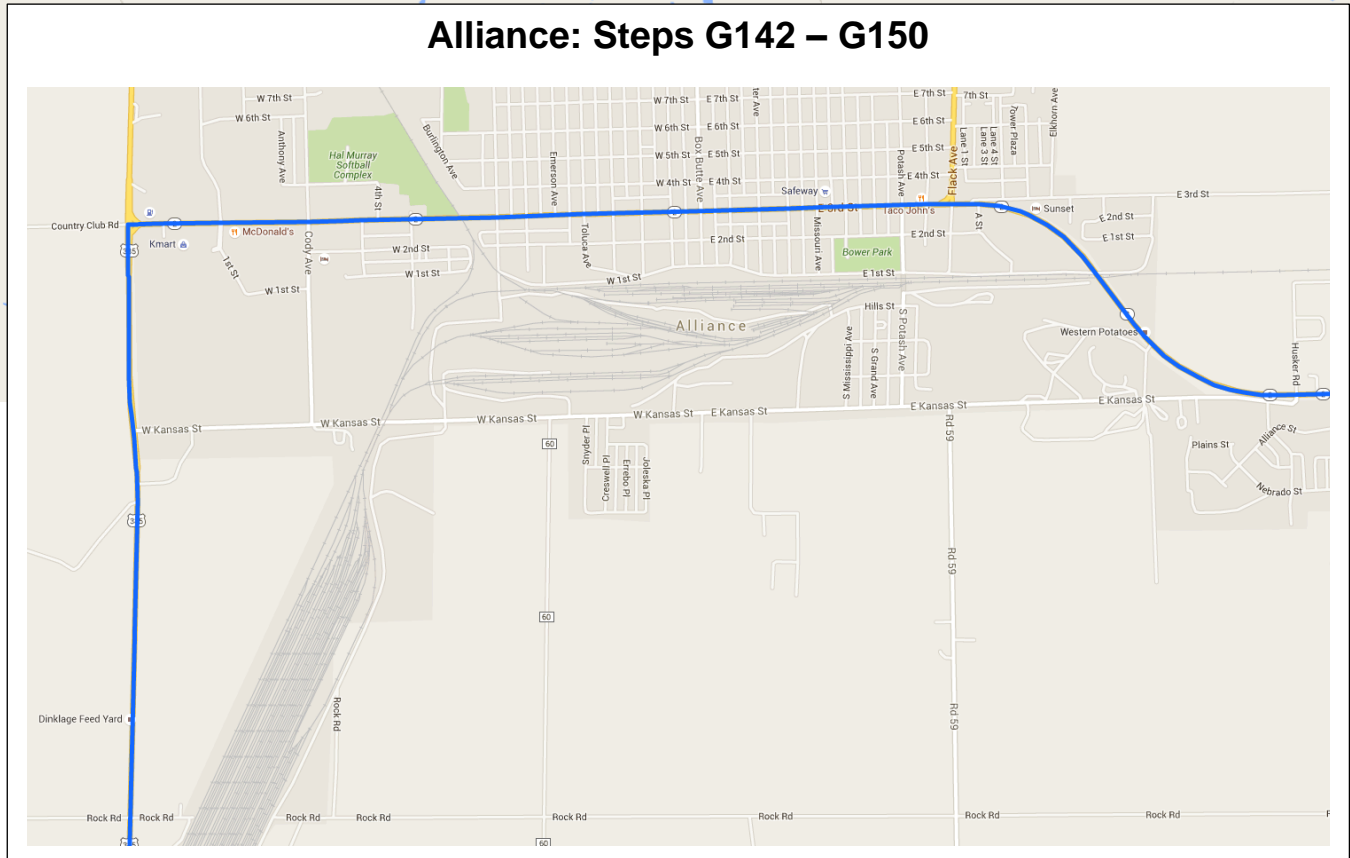
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 103	257.50	0.60			1	55	paved	
G 104	257.70	0.20				65		
G 105	258.60	0.90		Pulloff on right at Nebraska National Forest sign				
G 106	272.10	13.50				60		
G 107	272.40	0.30		Junction with US-83 North towards Valentine. Increased truck traffic next 1.5 miles				fuel, food, hotel
G 108	273.80	1.40		Junction with US-83 South		50		
G 109	274.00	0.20		Entering Thedford		35	curb	
G 110	274.60	0.60				50		
G 111	274.80	0.20			1	65	paved	
G 112	281.30	6.50		Access to Norman on right, shoulder narrows 1 mile ahead			grass/ gravel	
G 113	288.70	7.40		Junction with NE-86A Spur with access to Seneca at right				
G 114	289.00	0.30		Entering Mountain Time. Note Regulation 9.10.B				
G 115	289.30	0.30		Entering Hooker County				
G 116	296.40	7.10		Wide shoulder again	1	65	paved	
G 117	299.50	3.10				50		
G 118	299.70	0.20		Entering Mullen. Little-to-no cell coverage until Hyannis		40		fuel, motel
G 119	299.90	0.20		Junction NE-97				



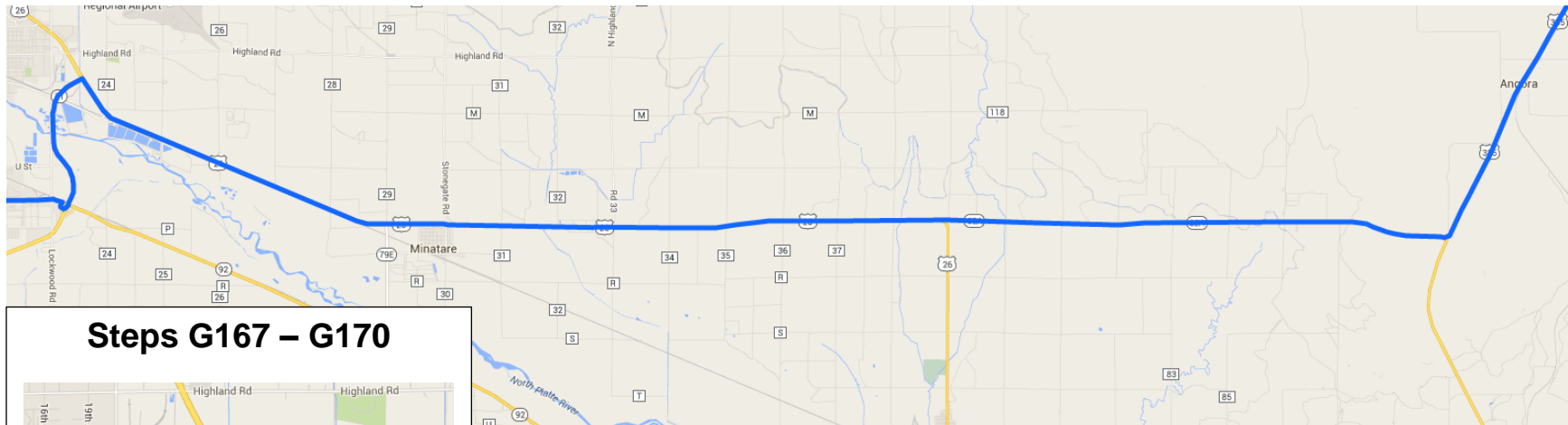
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 120	300.30	0.40			1	50		
G 121	300.50	0.20				65		
G 122	309.40	8.90		Lose paved shoulder	1	65	grass/ gravel	
G 123	320.20	10.80		Entering Grant County				
G 124	325.10	4.90		Entering Whitman	1	50		
G 125	325.60	0.50			1	65	paved	
G 126	330.40	4.80		White sign for Monahan Cattle Company/Circle Dot Ranch to the right				
G 127	337.40	7.00		Junction NE-61 South. "That Stop" on left with food and fuel				fuel
G 128	338.00	0.60		Entering Hyannis		55		food, motel
G 129	338.30	0.30		Look out for crosswalk ahead		35		
G 130	338.70	0.40		Last fuel for 60 miles (in Alliance)		25	curb	fuel
G 131	339.20	0.50		NE-61 North to right		35		
G 132	339.30	0.10			1	55		
G 133	339.60	0.30				65	paved	
G 134	347.70	8.10		Access to Ashby at right				
G 135	352.00	4.30		Entering Sheridan County				
G 136	356.30	4.30		Access to Bingham at right				



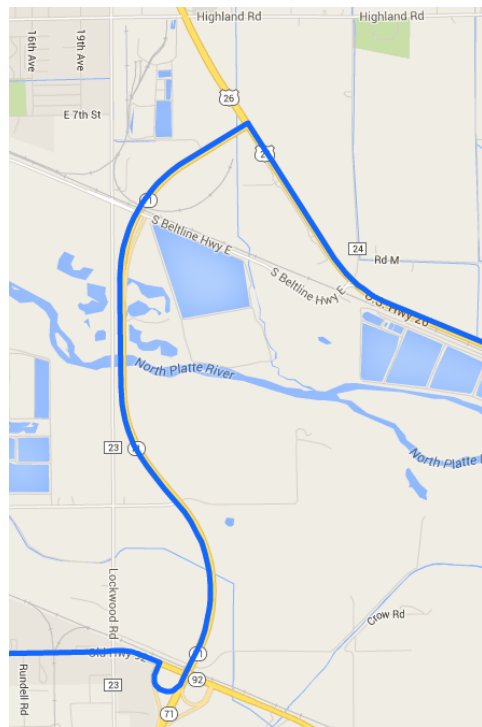
Alliance: Steps G142 – G150



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 137	366.80	10.50		Junction NE-27, access to town of Ellsworth to right	1	65	paved	
G 138	374.50	7.70		Junction NE-250, access to town of Lakeside to right				
G 139	382.70	8.20		Town of Antioch to left, pulloff for historic marker ahead on right				
G 140	389.30	6.60		Entering Box Butte County				
G 141	396.40	7.10				55		
G 142	396.90	0.50		Entering Alliance		45		Fastenall on right
G 143	397.60	0.70		Junction NE-87	2	35	curb	Hospital to right
G 144	397.80	0.20		SL for crosswalk				Fuel, food, grocery
G 145	398.00	0.20				30		
G 146	398.20	0.20	Brick road surface for 3 blocks	SL for Box Butte Ave		30		
G 147	398.30	0.10	Right lane goes away under rail underpass ahead	SL for Laramie Ave				
G 148	398.80	0.50	13'11" clearance under rail bridge			35		
G 149	399.20	0.40		SL for Cody Ave	2	40		fuel, food, grocery, lodging
G 150	399.70	0.50	Turn left at the stop sign for US-385 South	Goodbye, NE-2. It's been fun.	1	45	paved	
G 151	400.00	0.30				65	wide paved	
G 152	406.90	6.90		Entering Morrill County				
G 153	417.80	10.90		Picnic area and pulloff on the left side of the road, has left turn lane for access				



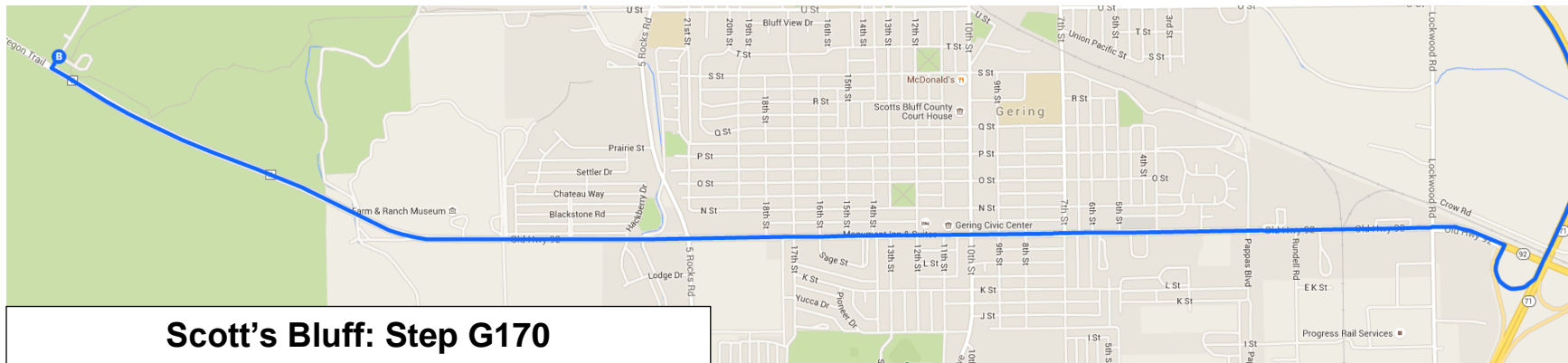
Steps G167 – G170



EASY TO MISS: Steps G155 – G158



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 154	420.70	2.90		Angora	1	65		
G 155	422.90	2.20		Closed weigh station on the right - good pulloff area if needed.				
G 156	423.70	0.80	Exit right with signs to US-26 and Scottsbluff.	No stop sign or SL - PAY ATTENTION! Not a lot of warning with signage.	1	65	wide paved	
G 157	423.90	0.20	Now on NE-62A link towards US-26	Signs for Minatare 18 miles away, Scottsbluff 28 miles away				
G 158	425.90	2.00		Rd 89 on left (very small sign)				
G 159	432.90	7.00		Junction US-26 toward Bayard				
G 160	434.80	1.90		Entering Scotts Bluff County				
G 161	440.20	5.40		Cross Nine Mile Creek				
G 162	441.50	1.30				50		
G 163	441.90	0.40		Entering Minatare	2	50	narrow paved	
G 164	442.30	0.40			2	65	paved	
G 165	443.00	0.70		NE-79E Link to NE-92 and Melbeta on left				
G 166	448.20	5.20				55		
G 167	449.20	1.00	Turn left onto NE-71 South/NE-92 East with signs towards Gering and Kimball	No stop sign or SL, but has left turn lane.	2	65	narrow paved	
G 168	450.40	1.20		Cross North Platte River				
G 169	451.80	1.40	Exit right over the train overpass with signs for NE-92 East and Gering					
G 170	452.10	0.30	Turn left at the stop sign at the bottom of the exit towards Gering	Cross traffic does not stop	1	45	paved	



Scott's Bluff: Step G170

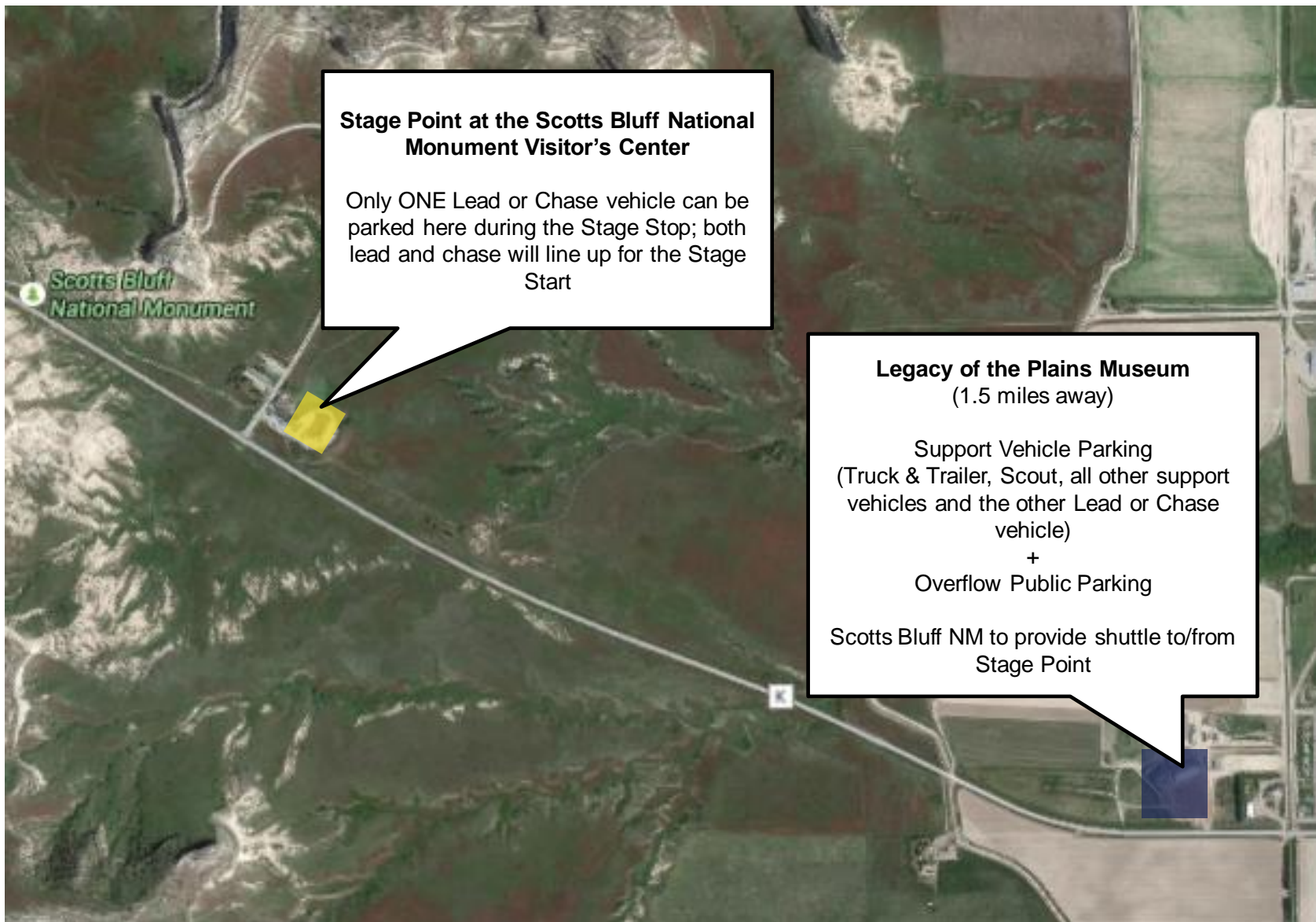


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 171	452.60	0.50		RR Tracks, two sets	1	45		
G 172	453.20	0.60				35		fuel
G 173	453.60	0.40		SL for 10th St				food, fuel, hotels
G 174	454.40	0.80		4-way Stop sign with flashing red for Five Rocks Rd	1	45	grass/ gravel	hospital access to right
G 175	456.20	1.80						
G 172	453.20	0.60	Turn right into the headquarters for Scott's Bluff National Monument	Follow signs and flaggers		35		fuel



Scotts Bluff Stage Point – Gering, NE – Stage Finish





Scotts Bluff Stage Point – Gering, NE – Location Overview



