

STAGE 1

PART A

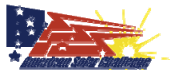
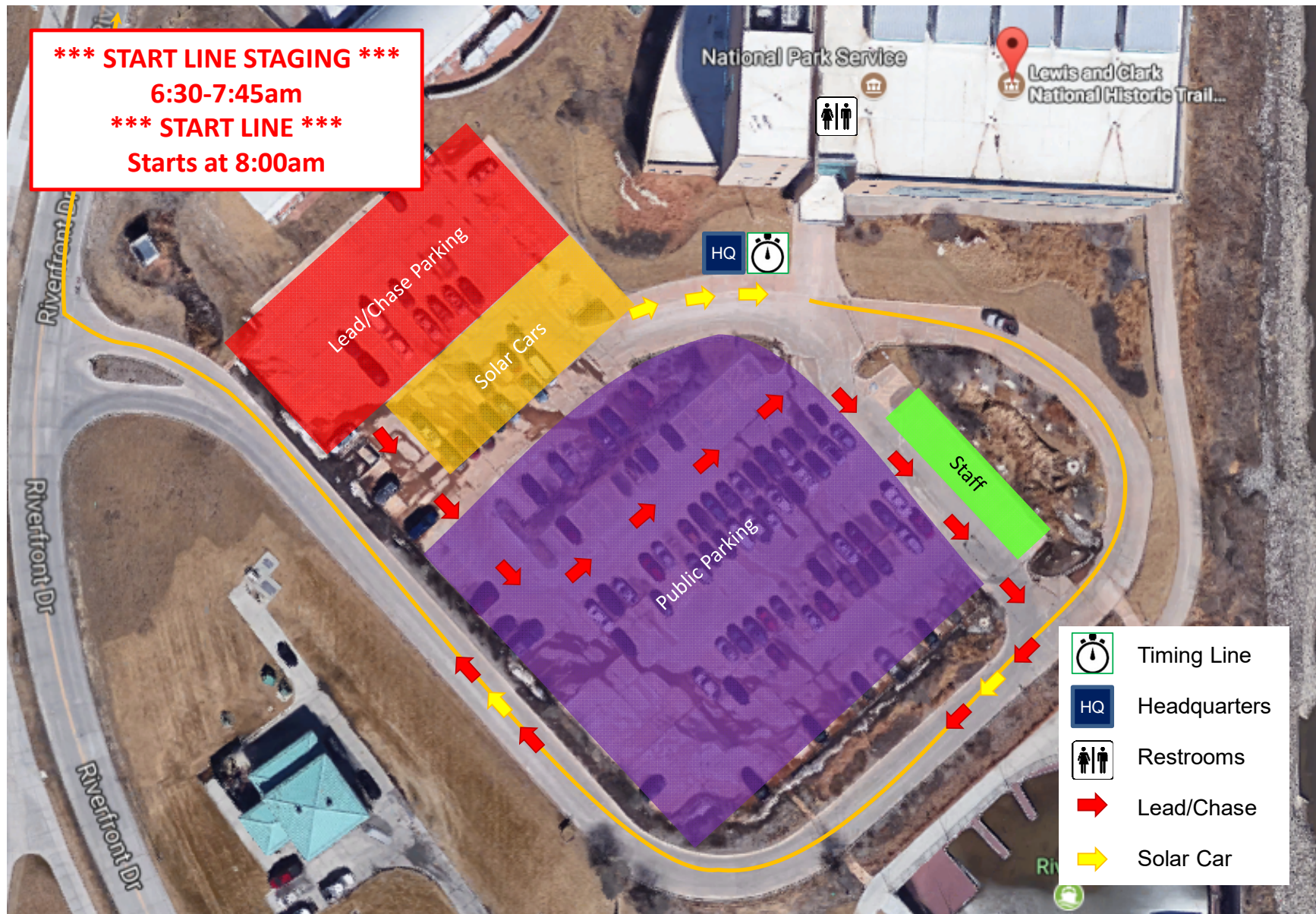
2018 AMERICAN SOLAR CHALLENGE

Omaha, NE – Grand Island, NE



NPS Lewis & Clark Visitors Center – Omaha, NE – Start Line

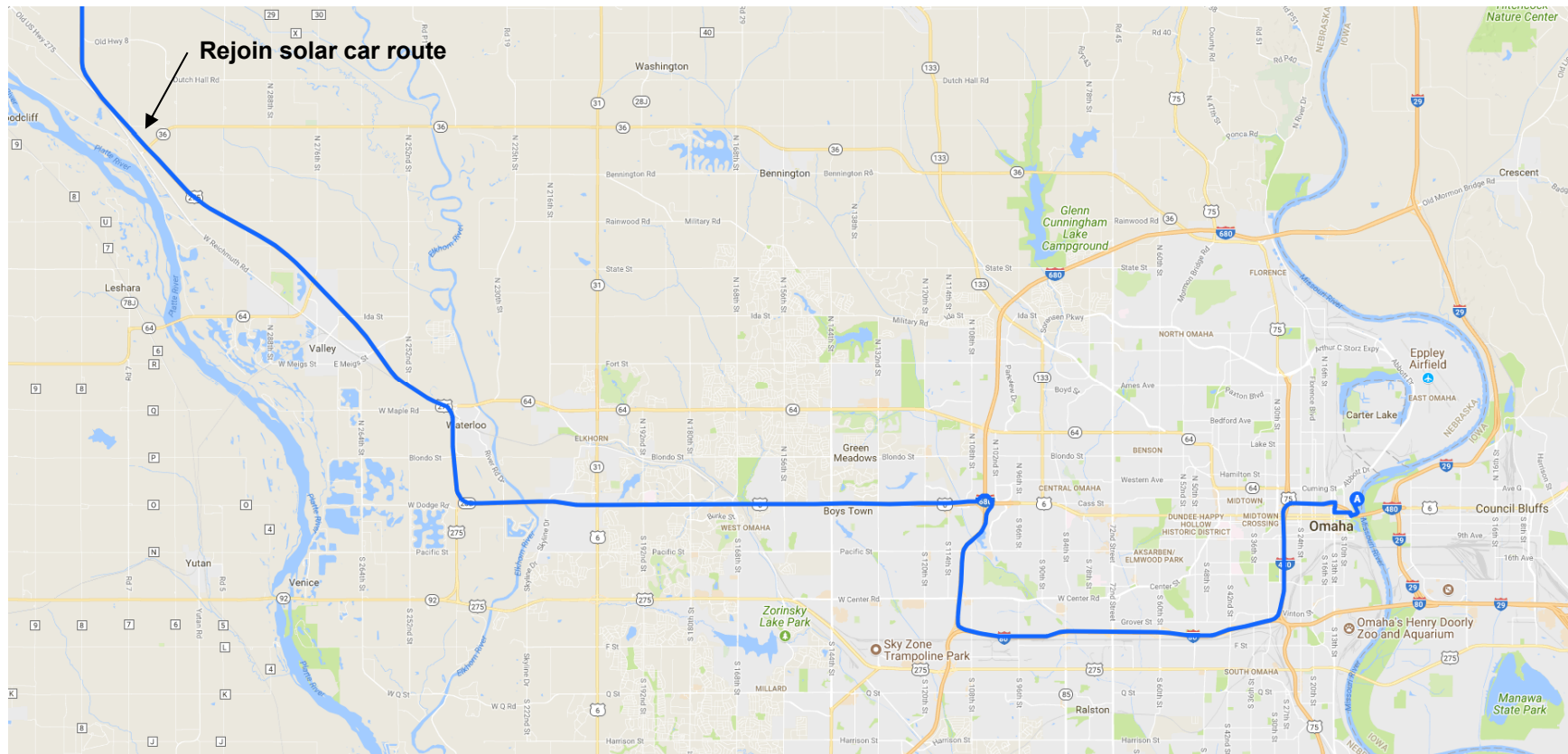




NPS Lewis & Clark Visitors Center – Omaha, NE – Start Line



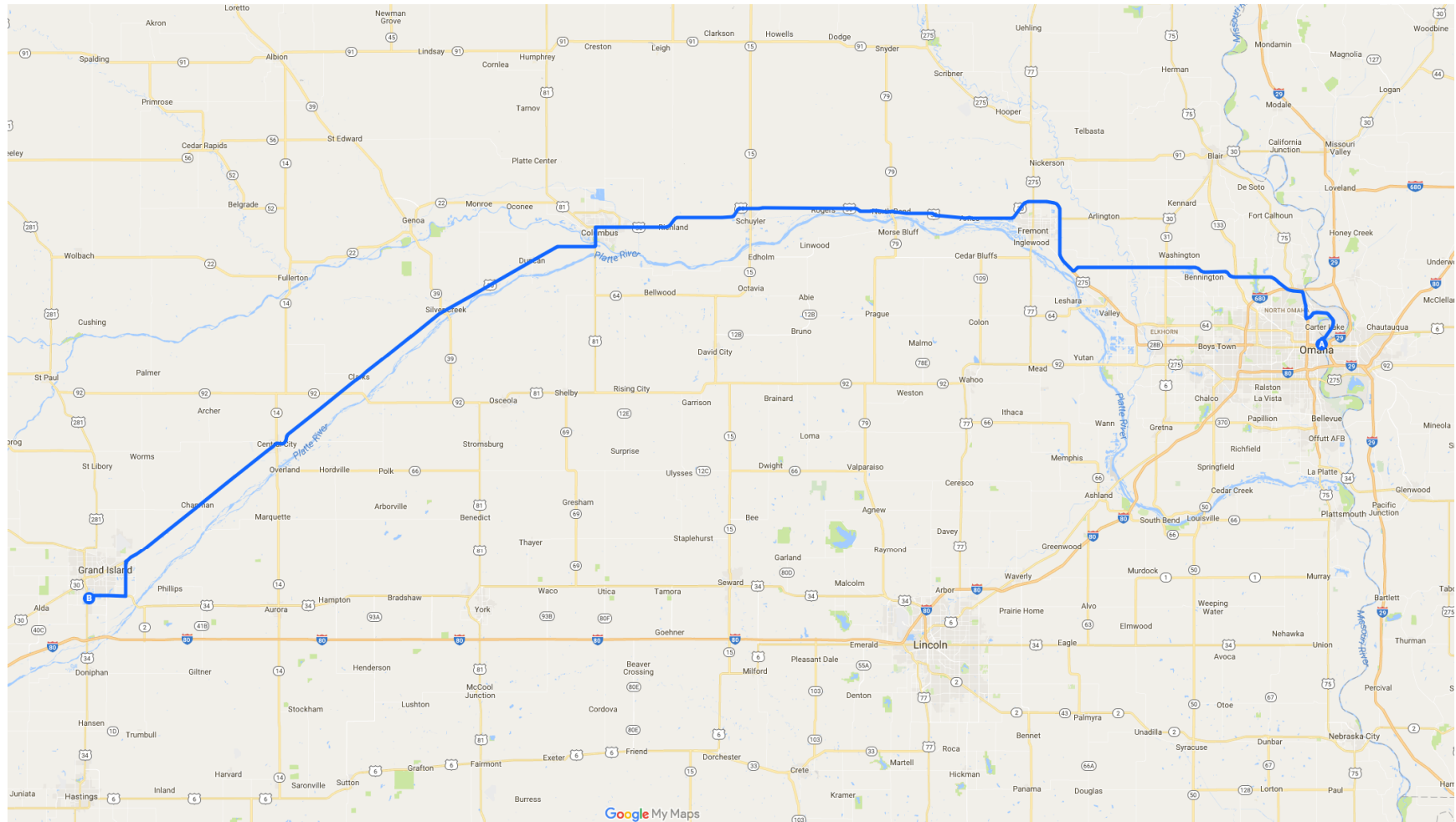
SUPPORT VEHICLE ROUTE OVERVIEW

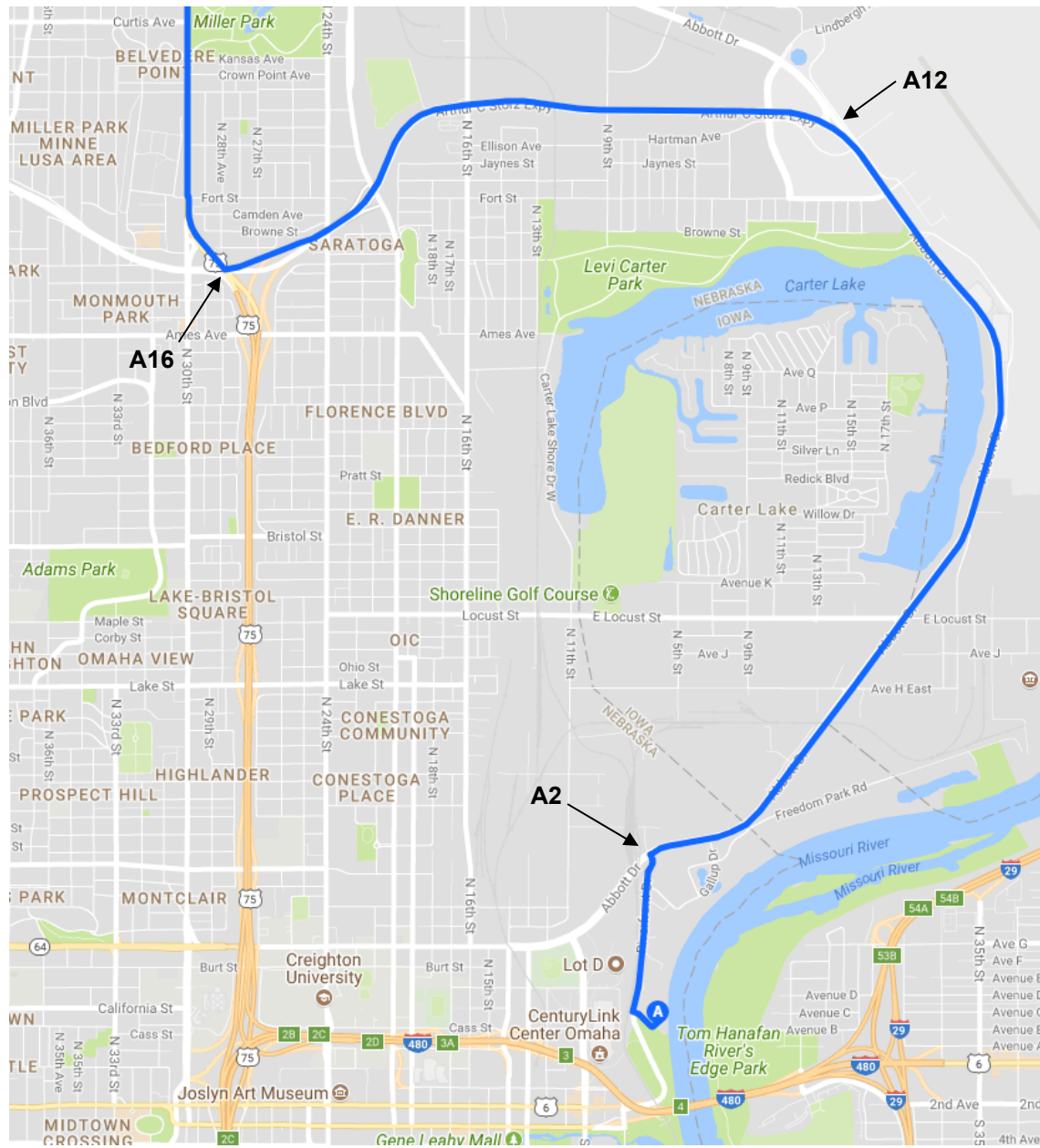


SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

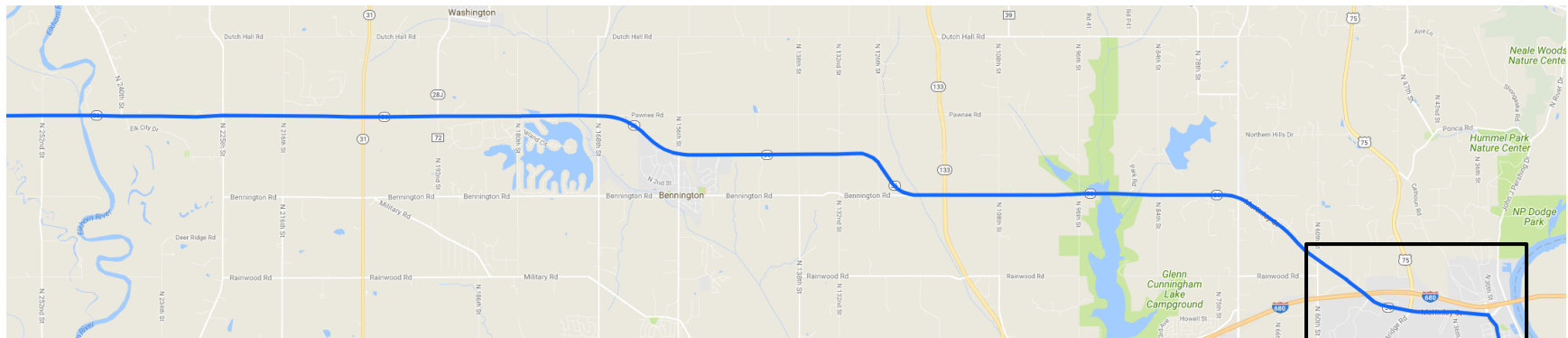
Step	Trip	Int	Direction
1	0		Turn left out of the stage start parking lot onto Riverfront Dr
2	0.5	0.5	Turn right onto S 8th St
3	0.9	0.4	Turn right onto N 13th St
4	1.1	0.2	Turn left to merge onto I-480 W toward I-80 W
5	4.3	3.2	Take exit 452C to merge onto I-80 W toward Lincoln
6	10.8	6.5	Take exit 446 for I-680 N
7	13.7	2.9	Take exit 3 to merge onto US-6 W toward Boys Town
8	22.5	8.8	Continue onto NE-28B Link
9	26.2	3.7	Continue onto US-275 W
10	36.4	10.2	Rejoin solar car route at A37 and continue to follow solar car route

SOLAR CAR ROUTE OVERVIEW

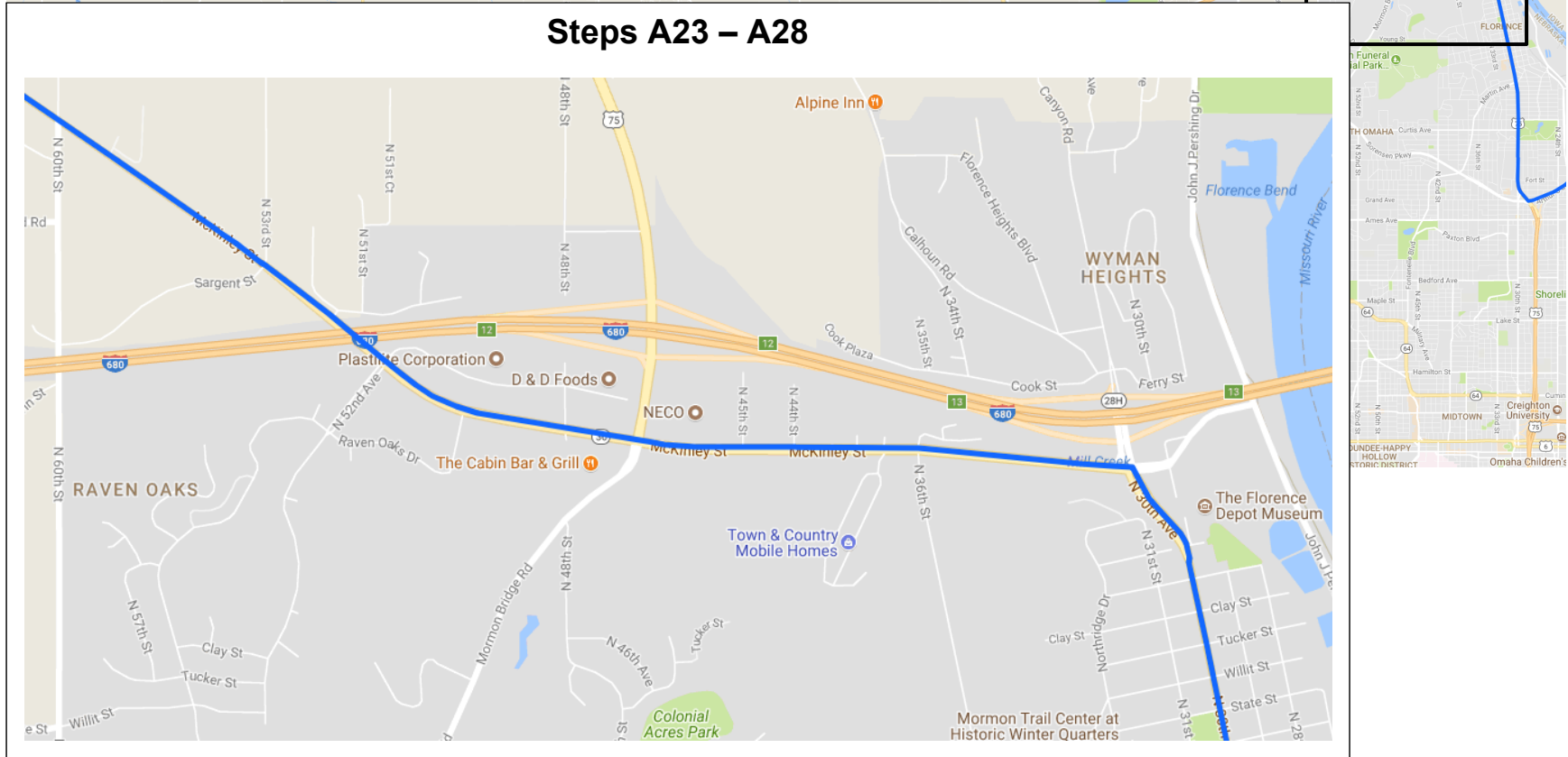




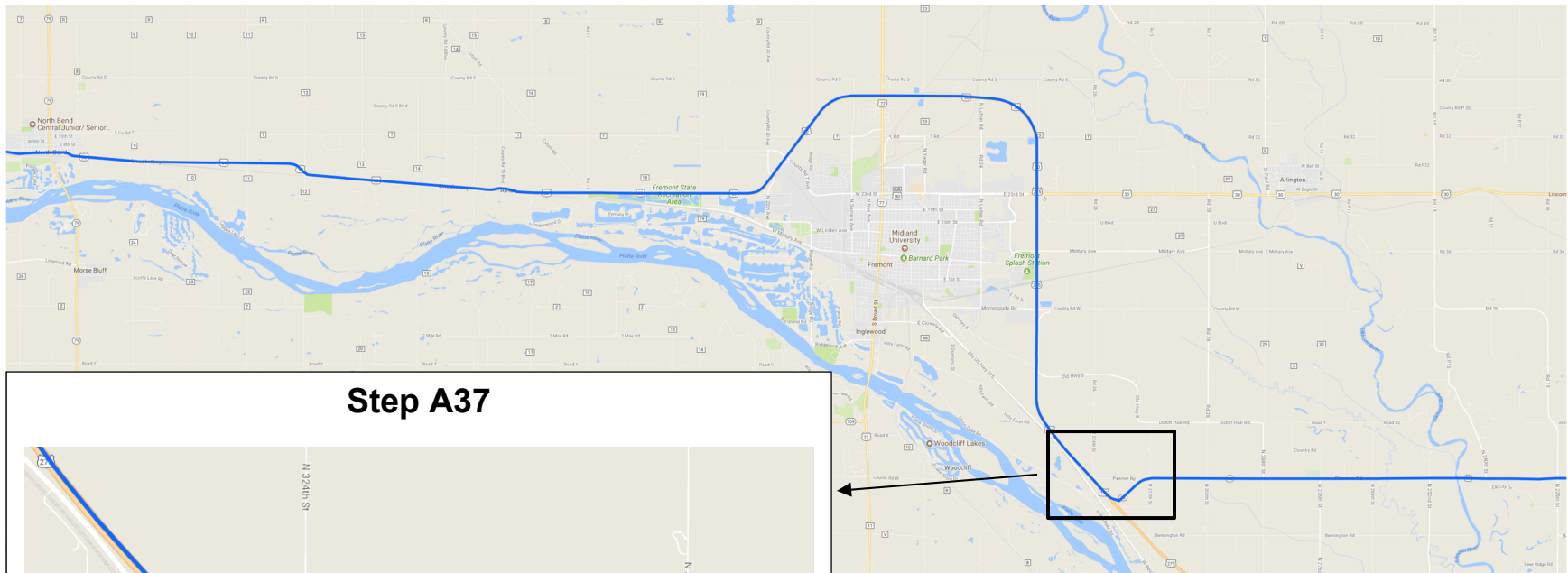
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 1	0.00		TURN RIGHT out of the NPS parking lot onto Riverfront Drive		1	25	curb	
A 2	0.50	0.50	TURN RIGHT onto Abbott Drive at SL	No turn on red	2	35	curb	
A 3	0.75	0.25		SL for Gallup Dr				
A 4	0.90	0.15		Welcome to Iowa	2	45	wide paved	
A 5	1.40	0.50		RR Tracks, welcome back to Nebraska	2	45	paved	
A 6	1.55	0.15		SL for Avenue H				
A 7	1.80	0.25		SL for Locust St	2	45	paved	
A 8	2.30	0.50		Airport on right, Carter Lake on left	2	40	curb	
A 9	2.40	0.10		SL for Pratt Ct				
A 10	3.40	1.00		SL for Carter Blvd				
A 11	3.50	0.10		SL for Fort St		45		
A 12	3.70	0.20	KEEP LEFT following signs to US-75/Storz Expressway		2	40		
A 13	4.10	0.40		SL for Lindbergh Drive	2	45	p,w	
A 14	5.20	1.10		SL for 16th St	2	45	paved	
A 15	6.00	0.80	CONTINUE STRAIGHT to follow signs for US-75 North		2	35	p,w/curb	
A 16	6.30	0.30	TURN RIGHT at SL for US-75 North/N 30th St		2	35	p,w/curb	
A 17	6.60	0.30		SL for Fort St 5300 N	2	35	curb	food



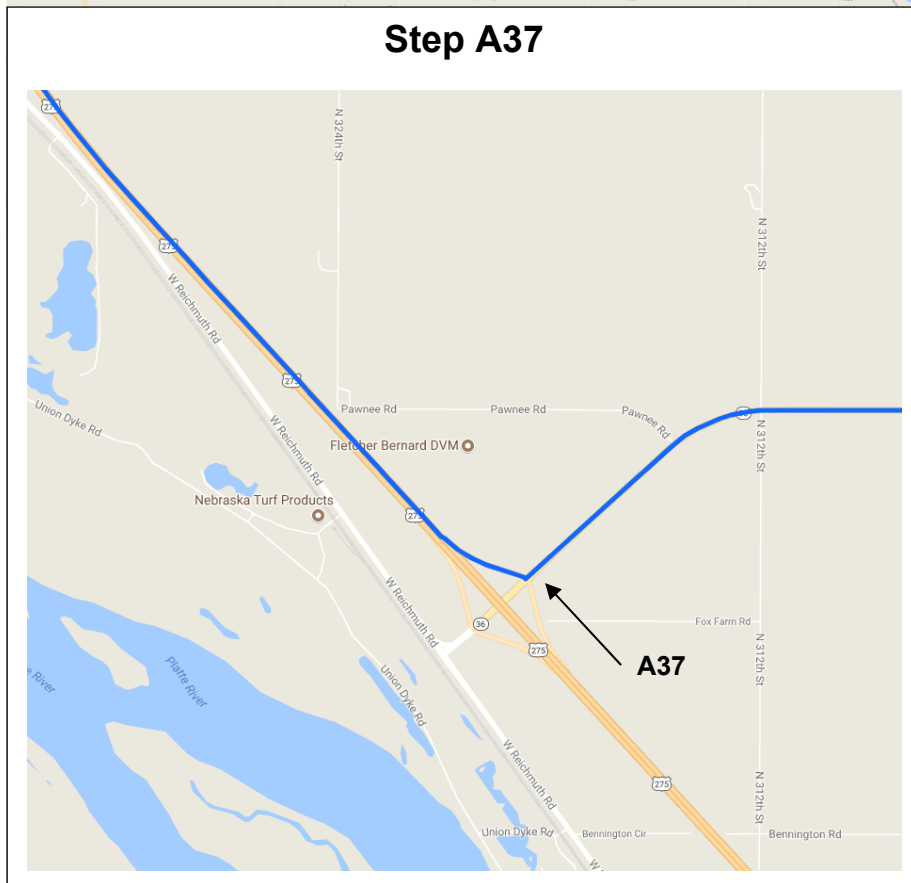
Steps A23 – A28



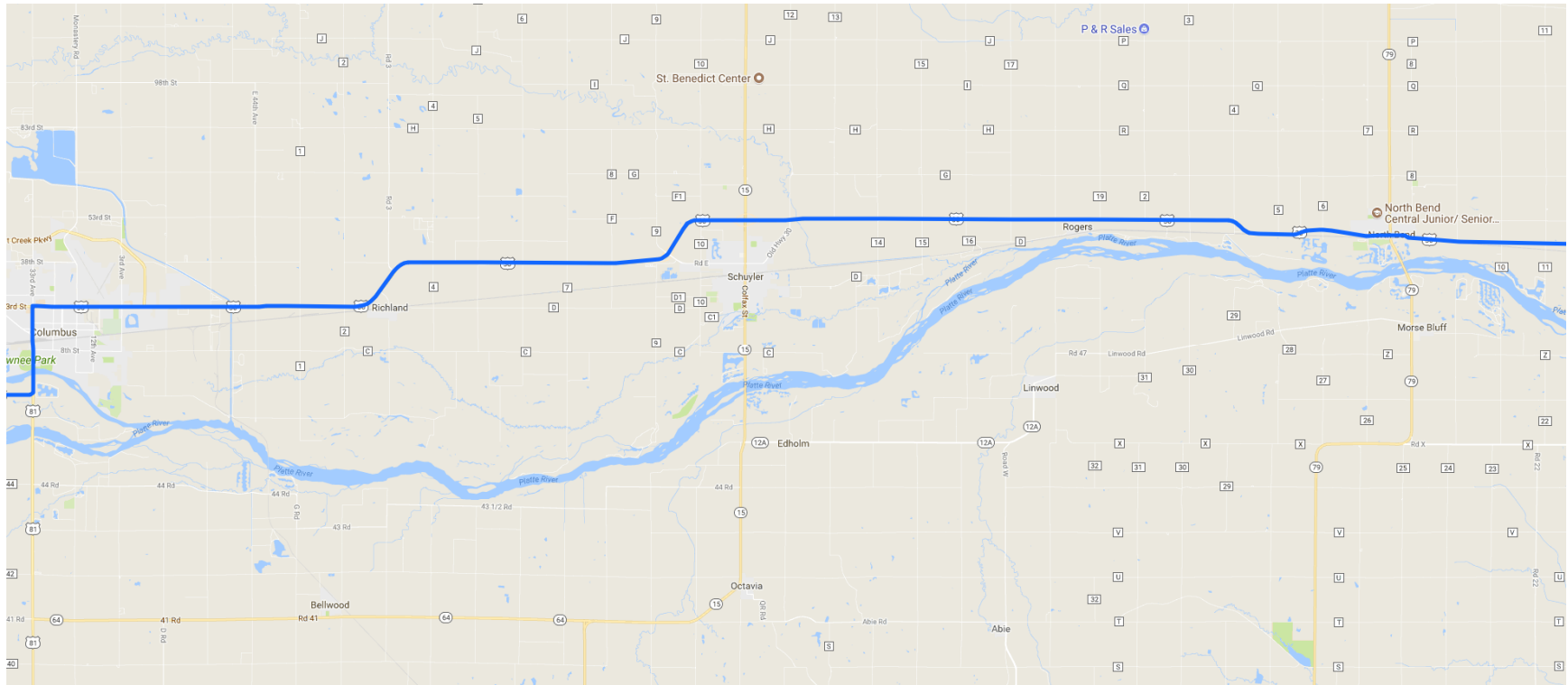
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 18	7.00	0.40		SL for Laurel Ave	2	35	curb	
A 19	7.40	0.40		SL for Redick Ave 6500 N	2	35	curb	
A 20	7.90	0.50		SL for Martin Ave	2	35	curb	Gas, Walgreens
A 21	8.10	0.20		SL for Potter St 7600 N	2	35	curb	food
A 22	8.50	0.40		SL for Grebe 8200 N	2	30	curb	
A 23	8.70	0.20		SL for State St 8400 N	2	30	parking space	
A 24	8.90	0.20			2	35		
A 25	9.20	0.30	TURN LEFT at the SL for McKinley St/Dick Collins Rd to follow US-75 North		2	45	curb	
A 26	10.20	1.00	CONTINUE STRAIGHT to follow NE-36 West	SL for US-75 & Mormon Bridge Rd	2	45	curb	gas
A 27	10.80	0.60		Right lane ends	1	60	paved	
A 28	11.50	0.70		60th St - narrow shoulder with guardrail over bridge	1	60		
A 29	12.80	1.30		SL for 72nd St	1	60	paved	Gas
A 30	14.00	1.20		Old paved road to right - good pull off area if needed	1	60	p/g, n	
A 31	16.40	2.40		SL for NE-133	1	60	paved	
A 32	16.80	0.40		Uphill with passing lane for 0.7 mile	2	60	paved, narrow	
A 33	20.00	3.20		Junction with 156th St	1	60	paved	gas
A 34	24.10	4.10		Flashing yellow for 204th St/NE-31	1	60	paved	



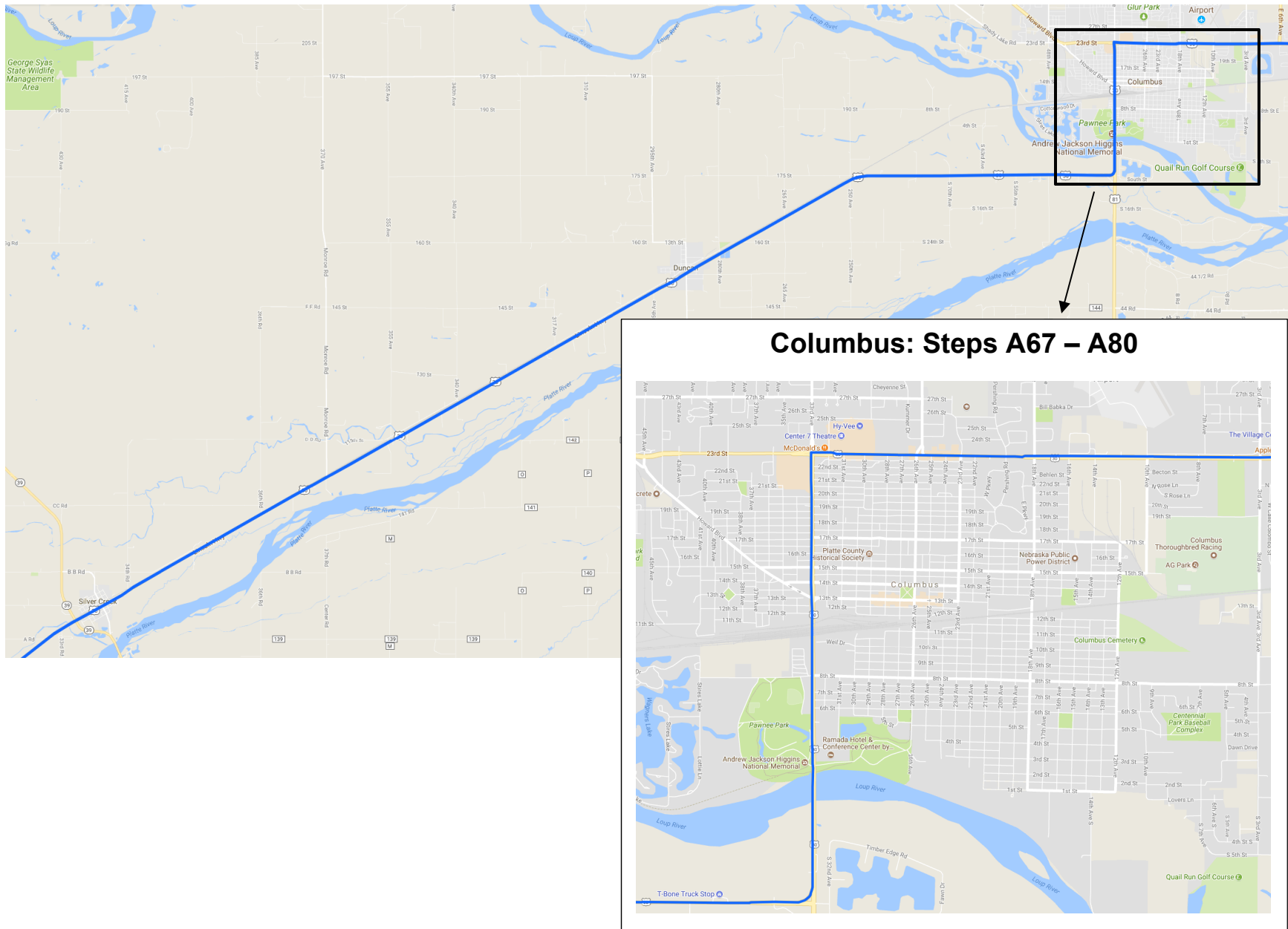
Step A37



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 35	28.00	3.90		Cross Elkhorn river, welcome to the Platt River Valley (very, very flat)	1	60	paved	
A 36	33.90	5.90		Trap shooting range on right at junction with N 276th St.				
A 37	33.80	5.80	TURN RIGHT before the underpass onto onramp for US-275 West, signs towards Fremont	Note: 40mph minimum speed limit next 8 miles!	2	65, min 40	paved	
A 38	37.30	3.50		Pass exit for Morningside Rd/County Rd W	2	65, min 40	paved	
A 39	38.40	1.10		Pass exit for Military Ave/Historic Downtown	2	65, min 40	paved	
A 40	39.20	0.80	CONTINUE STRAIGHT on US-275 West/US-30 West	Pass exit for US-30 East	2	65, min 40	paved	
A 41	41.80	2.60		Freeway ends	2	65	paved	
A 42	43.40	1.60	CONTINUE STRAIGHT on US-30 West	Junction with US-77/US-275	2	65	paved	
A 43	46.40	3.00		Butler AG Equipment on right	1	60	p/g, n	
A 44	47.50	1.10		Flashing yellow with passing lane	1	60	p/g, n	
A 45	48.00	0.50		Fremont State Recreation Area on left	1	60	p/g, n	
A 46	48.50	0.50		Flashing yellow	1	60	p/g, n	
A 47	51.10	2.60		Enter Ames	1	45	p/g, n	No services
A 48	51.50	0.40			1	60	paved	
A 49	58.80	7.30		Enter North Bend (Pop 1,213)	1	45	paved	
A 50	59.10	0.30			1	35	paved	gas/food
A 51	59.30	0.20		Flashing yellow for NE-79	1	35	paved, narrow	



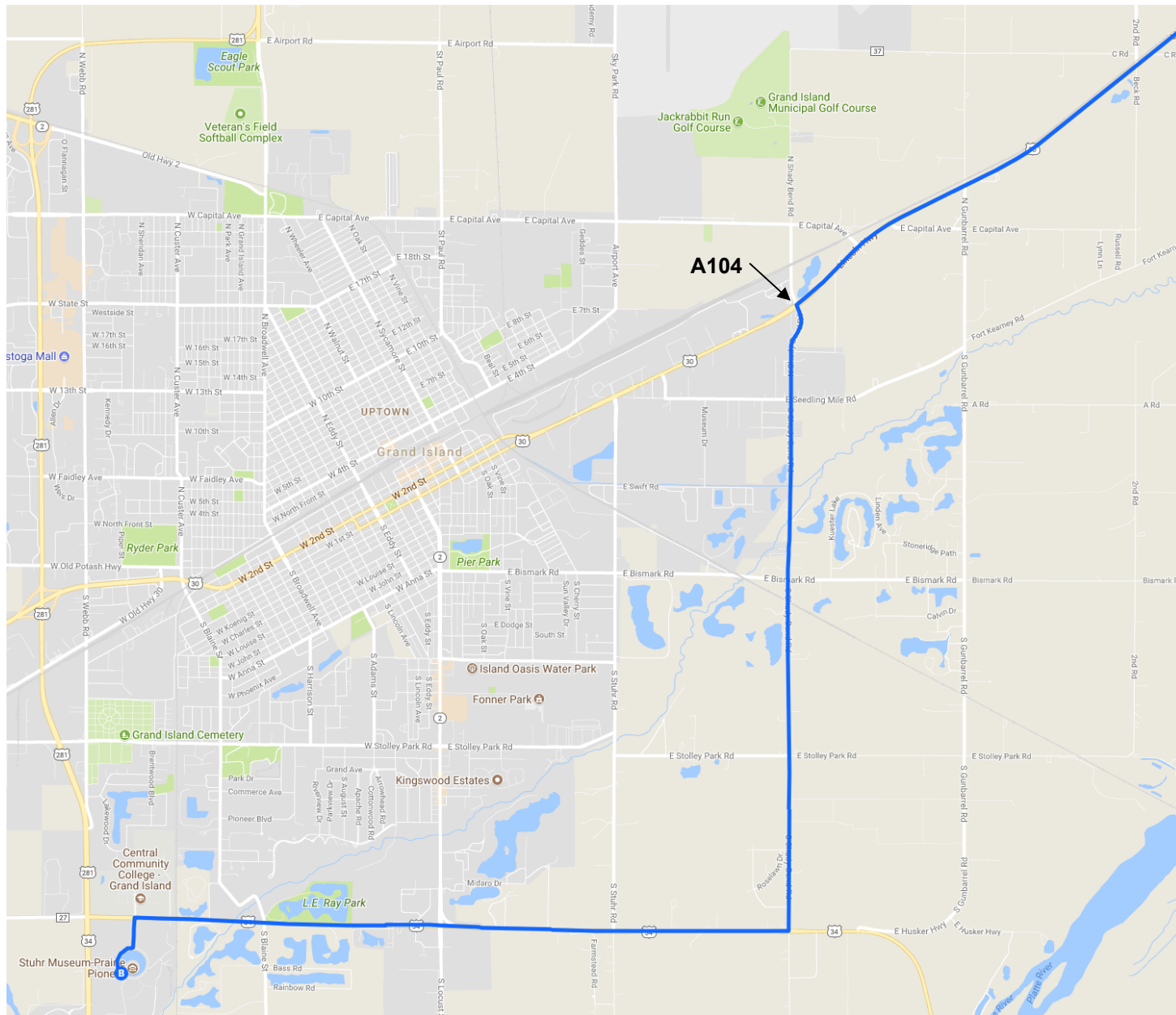
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 52	59.60	0.30			1	45	paved	
A 53	60.00	0.40			1	60	paved	
A 54	66.00	6.00		Entering Colfax County, Rodgers (Pop 95) ahead on left				
A 55	71.60	5.60		Divided highway, pull off area on right	2	65	paved	
A 56	73.40	1.80		Pass exit for NE-15 for Schuyler	2	65	paved	Hospital, services
A 57	75.60	2.20		Pass exit for County Rd 9 for Schuyler	2	65	paved	
A 58	82.80	7.20		Road 3 for Richland, Iron Steel Co on corner	2	65	paved	
A 59	84.80	2.00		Entering Platte County				
A 60	85.80	1.00			2	55	paved	
A 61	86.60	0.80		Columbus "The city of Power and Progress" sign at right				
A 62	86.90	0.30		SL for E 29th Ave	2	55	paved	gas
A 63	87.90	1.00		Enter Columbus (Pop 22,111)	2	45	paved	
A 64	88.10	0.20		SL for E 11th St	2	45	curb	
A 65	88.40	0.30		SL for E 6th Ave	2	45		Walmart
A 66	88.70	0.30		SL for E 3rd Ave	2	45	curb	
A 67	88.90	0.20		SL for 3rd Ave				
A 68	89.60	0.70		SL for 14th Ave	2	45	curb	



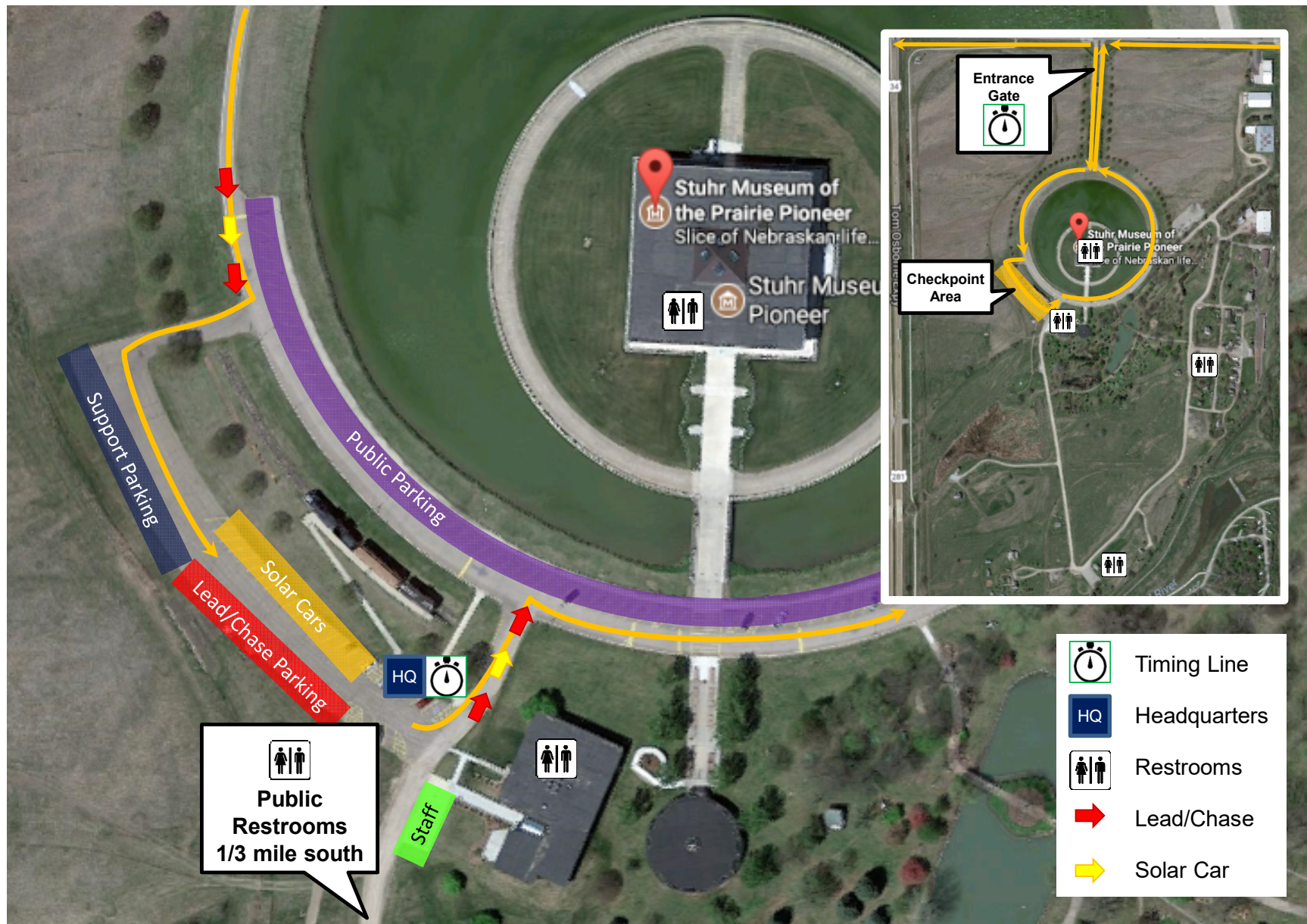
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 69	89.90	0.30		SL for 18th Ave	2	35	curb	food
A 70	90.20	0.30		SL for 23rd Ave	2	35	curb	food
A 71	90.40	0.20		SL for 26th Ave	2	35	curb	
A 72	90.60	0.20		SL for 30th Ave	2	35	curb	gas, food
A 73	90.90	0.30	TURN LEFT to follow US-30 at 33rd St (2 left turn lanes)		2	35	curb	gas, food
A 74	91.30	0.40		SL for Crosswalk at 16th St				
A 75	91.50	0.20		SL for 14th St	2	35	curb	
A 76	91.60	0.10		SL for 13th St				
A 77	91.90	0.30		SL for 8th St, Sundown Motel on left	2	35	curb	
A 78	92.00	0.10			2	40	curb	
A 79	92.30	0.30		Cross Loup River	2	50	curb	
A 80	92.80	0.50	TURN RIGHT to follow US-30 West (turn lane is before SL)	US-81 continues straight	1	60	paved	gas
A 81	99.50	6.70			1	45	paved w/ curb	gas
A 82	100.00	0.50			1	60	paved	
A 83	104.80	4.80		Cross Prairie Creek	1	60	paved	
A 84	109.70	4.90		Enter Silver Creek (Pop 441)	1	45	curb	
A 85	110.10	0.40		Pedestrian cross walk at Vine St	1	45	curb	gas



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 86	110.40	0.30		Flashing yellow for NE-39	1	60	paved	
A 87	121.00	10.60		Enter Clarks (Pop 369)	1	40	paved	gas
A 88	121.60	0.60			1	60	paved	
A 89	123.70	2.10		Junction NE-92	1	60	paved	
A 90	131.50	7.80			1	45	curb	
A 91	131.60	0.10		Railroad tracks (sign says rough tracks but not too bad)	1	40	curb	
A 92	131.80	0.20		Enter Central City (Pop 2,934)	1	40	curb	hotel
A 93	132.50	0.70		SL for 15th Ave	1	30	curb	
A 94	132.70	0.20	CONTINUE STRAIGHT to stay on US-30 West	SL for Junction NE-92	1	30	paved	Hospital, services
A 95	132.80	0.10		SL with State Theater ahead on left				
A 96	133.00	0.20			1	40	paved	
A 97	133.40	0.40			1	50	paved	
A 98	134.10	0.70			1	60	paved	
A 99	142.70	8.60		Enter Chapman (Pop 286)	1	45	paved	gas
A 100	143.30	0.60			1	60	paved	
A 101	150.20	6.90	PREPARE for left turn in 2.4 miles	Worms 9 miles to left via County Road				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 102	151.40	1.20		Gunbarrel Rd, entering Hall County	2	60	paved	
A 103	152.30	0.90			2	50	paved	
A 104	152.60	0.30	TURN LEFT at SL onto Shady Bend Rd	Yield to oncoming traffic. Shady Bend café on far left corner	1	35	grass/paved	
A 105	153.10	0.50		Seedling Mile Rd	1		grass/paved	
A 106	153.50	0.40				45		
A 107	154.20	0.70		Flashing red/Stop sign for Bismark Rd (4-way stop)	1	45	grass/paved	gas
A 108	154.30	0.10		RR tracks (double tracks with hump in middle, "Rough tracks" sign)	1	45	grass	
A 109	155.20	0.90		Stolley Park Rd	1	55	grass	
A 110	156.20	1.00	TURN RIGHT at stop sign onto US-34 West/Husker Hwy		1	60	paved	
A 111	157.20	1.00		Junction with Stuhr Rd	1	60	paved	
A 112	157.70	0.50		Grand Island City Limit, Pop 45,520. "Home of the Nebraska State Fair"	1	45		
A 113	158.10	0.40		SL for Locust St	2	45	paved	Walmart
A 114	158.50	0.40			1	50	paved	
A 115	159.70	1.20		RR tracks (no gates - use caution!)	1	45	paved	
A 116	159.90	0.20	TURN LEFT on Tech Drive into the Stuhr Museum of the Prairie Pioneer	Proceed through security gate - watch for staff directions	1			
A 117	160.00	0.10	TURN RIGHT to follow one-way circular road (large roundabout)		1			
A 118	160.10	0.10	TURN RIGHT into checkpoint parking lot	Speed bump just before turn; Watch for staff directions				



Stuhr Museum of the Prairie Pioneer – Grand Island, NE – Checkpoint

