



2022 ROUTE BOOK

**Oregon National Historic Trail
Independence, MO – Twin Falls, ID
July 9-16, 2022**

TABLE OF CONTENTS

Route & Schedule Overview	2
Introduction & Key	3
Display Day Map	4
STAGE 1	
Stage 1 Overview	5
Segment A: Independence, MO – Topeka, KS	7
Loop A: Topeka Loop	27
Segment B: Topeka, KS – Grand Island, NE	35
Loop B: Grand Island Loop	61
STAGE 2	
Stage 2 Overview	67
Segment C: Grand Island, NE – Gering, NE	69
Segment D: Gering, NE – Casper, WY	95
Loop D: Casper Loop	117
Segment E: Casper, WY – Lander, WY	123
Loop E: Lander Loop	141

STAGE 3	
Stage 3 Overview	147
Segment F: Lander, WY – Montpelier, ID	149
Loop F: Montpelier Loop	171
Segment G: Montpelier, ID – Pocatello, ID	177
Loop G: Pocatello Loop	191
STAGE 4	
Stage 4 Overview	201
Segment H: Pocatello, ID – Twin Falls, ID	203

ASC 2022 ROUTE & SCHEDULE OVERVIEW



– DISPLAY DAY –

Fri, July 8

- Display in Independence, MO

– STAGE 1 –

Sat, July 9

- Start in Independence, MO
- Checkpoint in Topeka, KS
- Topeka Loop (optional)

Sun, July 10

- Stage Stop in Grand Island, NE
- Grand Island Loop (optional)

– STAGE 2 –

Mon, July 11

- Stage Start in Grand Island, NE
- Checkpoint in Gering, NE
- Checkpoint in Casper, WY
- Casper Loop (optional)

Tue, July 12

- Checkpoint in Gering, NE (cont.)
- Checkpoint in Casper, WY (cont.)
- Casper Loop (optional)

Wed, July 13

- Checkpoint in Casper, WY (cont.)
- Casper Loop (optional)
- Stage Stop in Lander, WY
- Lander Loop (optional)

– STAGE 3 –

Thu, July 14

- Stage Start in Lander, WY
- Checkpoint in Montpelier, ID
- Montpelier Loop (optional)

Fri, July 15

- Checkpoint in Montpelier, ID (cont.)
- Stage Stop in Pocatello, ID
- Pocatello Loop (optional)

– STAGE 4 –

Sat, July 16

- Stage Start in Pocatello, ID
- Finish in Twin Falls, ID



This Route Book contains the ASC 2022 route steps, which define the official course from Independence, MO to Twin Falls, ID. Should changes to the route become necessary (due to construction or otherwise), please follow the updated route steps as given by the stage/checkpoint crews.

The Major Turns/Instructions column lists all directions necessary for following the route. Mileages given in the Trip and Int (interval) columns are not precise to the hundredth of a mile. A distance of 0.25 should be interpreted as “between 0.2 and 0.3 miles.”

Other data is provided for additional reference. Please note that not all traffic lights, changes in lanes, speed limit or shoulder condition, or available services are listed. In completing the course, all traffic laws must be obeyed at all times.

When you reach the end of a segment, watch for a flag person to direct you in the checkpoint/stage stop area. Proceed under the direction of the checkpoint/stage point crew.

Have a safe trip!

- ASC Staff

KEY FOR ASC 2022 ROUTE BOOK

Description of Route Book Columns

Step	Alphabetical lettering of segments and numerical ordering of steps; allows easy reference for communicating location along route Note: please use step letter/number when informing staff of your location.
Trip	The cumulative number of miles completed within each section
Int (Interval)	The number of miles from the previous step to the current step
Major Turns/Instructions	All turns and key instructions for following the route
Landmarks/Notes	Key landmarks to mark your location on the route and other helpful guidance for completing the course
Ln (Lane)	Number of driving lanes going your direction
Spd (Speed)	Speed limit (mph) Note: all changes in speed limits are NOT recorded. Regardless of if a speed limit is recorded in the route book, all posted speed limits must be followed. Where the posted speed limit is over 65 mph, the ASC maximum speed limit is still 65 mph.
Shoulder	General assessment of shoulder conditions
Services	Known services available at time of last route drive

General Abbreviations

Jct	Junction
RR	Railroad
SL	Stop Light
CR	County Road
Hwy	Highway

State Abbreviations

MO	Missouri
KS	Kansas
NE	Nebraska
WY	Wyoming
ID	Idaho

Common Highway Signs

US Federal Highway	US Interstate	Missouri State Highway	Kansas State Highway	Nebraska State Highway	Wyoming State Highway	Idaho State Highway
						

DISPLAY DAY

Solar Car Display: along the north side (Maple Ave) of Independence Square & the parking lot at Liberty St & Maple Ave
Meetings: Independence Uptown Farmers Market, 211 W Truman Rd, Independence, MO 64050



STAGE 1

2022 AMERICAN SOLAR CHALLENGE

Independence, MO – Grand Island, NE July 9 – 10

Time Zone	Central Time (24 Hour Format)		
Stage Start	Independence Square (Historic Truman Courthouse) 112 W Lexington Ave, Independence, MO 64050	Nominal Start Time	9:00, July 9
Checkpoint	<i>Brown v. Board of Education</i> National Historic Site 1515 SE Monroe St, Topeka, KS 66612 Mandatory Hold Time: 45 Minutes	Open Time	11:15, July 9
		Driving Resumption Time	13:00, July 9
		Earliest Release Time	13:45, July 9
		Close Time	13:45, July 9
Optional Loop	Topeka Loop	Loop Close Time	14:00, July 9
Stage Finish	Stuhr Museum of the Prairie Pioneer 3133 W US Hwy 34, Grand Island, NE 68801	Open Time	9:00, July 10
		Nominal Close Time	18:00, July 10
Optional Loop	Grand Island Loop		

STAGE 1 ROUTE OVERVIEW



Segment A	Base Leg A	Independence, MO – Topeka, KS	98.3 miles
	Optional Loop AL	Topeka Loop	43.3 miles
Segment B	Base Leg B	Topeka, KS – Grand Island, NE	265.2 miles
	Optional Loop BL	Grand Island Loop	21.0 miles

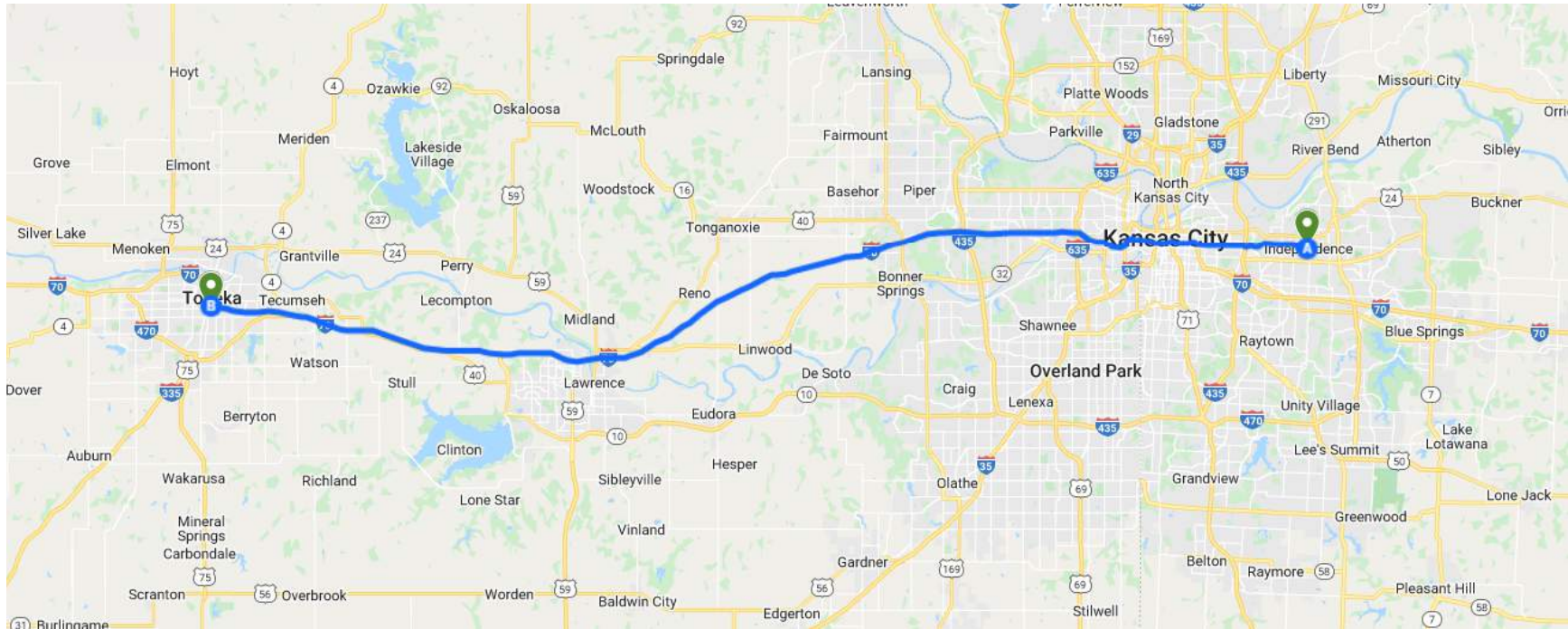
STAGE 1 SEGMENT A

AMERICAN SOLAR CHALLENGE 2022

Independence, MO – Topeka, KS

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Note: this route has tolls.

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	HEAD SOUTH on S Liberty St toward W Walnut St	
16 ft	TURN RIGHT at the 1st cross street onto W Walnut St	
0.5 mi	TURN RIGHT onto N River Blvd	
0.25 mi	TURN LEFT onto W Truman Rd	
5.52 mi	CONTINUE STRAIGHT onto E Truman Rd	
0.5 mi	TURN RIGHT to merge onto I-70 W	
1.45 mi	KEEP LEFT at the fork to continue on I-670 W, follow signs for I-70 Alt/I-35 S/ Topeka/Wichita	
1.09 mi	KEEP LEFT to stay on I-670 W, Entering Kansas	
1.50 mi	TAKE the exit on the left onto I-70 W	
2.92 mi	KEEP LEFT to stay on I-70 W Toll road	
63.7 mi	FOLLOW I-70 W to 10th Ave in Topeka	Portions of I-70 are a Toll Road
63.8 mi	TAKE EXIT 362C from I-70 W	
0.1 mi	TURN LEFT onto 10 th Ave	
0.1 mi	TURN LEFT onto SE Monroe St	
0.4 mi	TURN RIGHT onto SE 14 th St	
75 ft	TURN RIGHT into the parking lot of the Williams Science and Fine Art School	Walk a block south on Monroe St to the checkpoint at Brown v Board

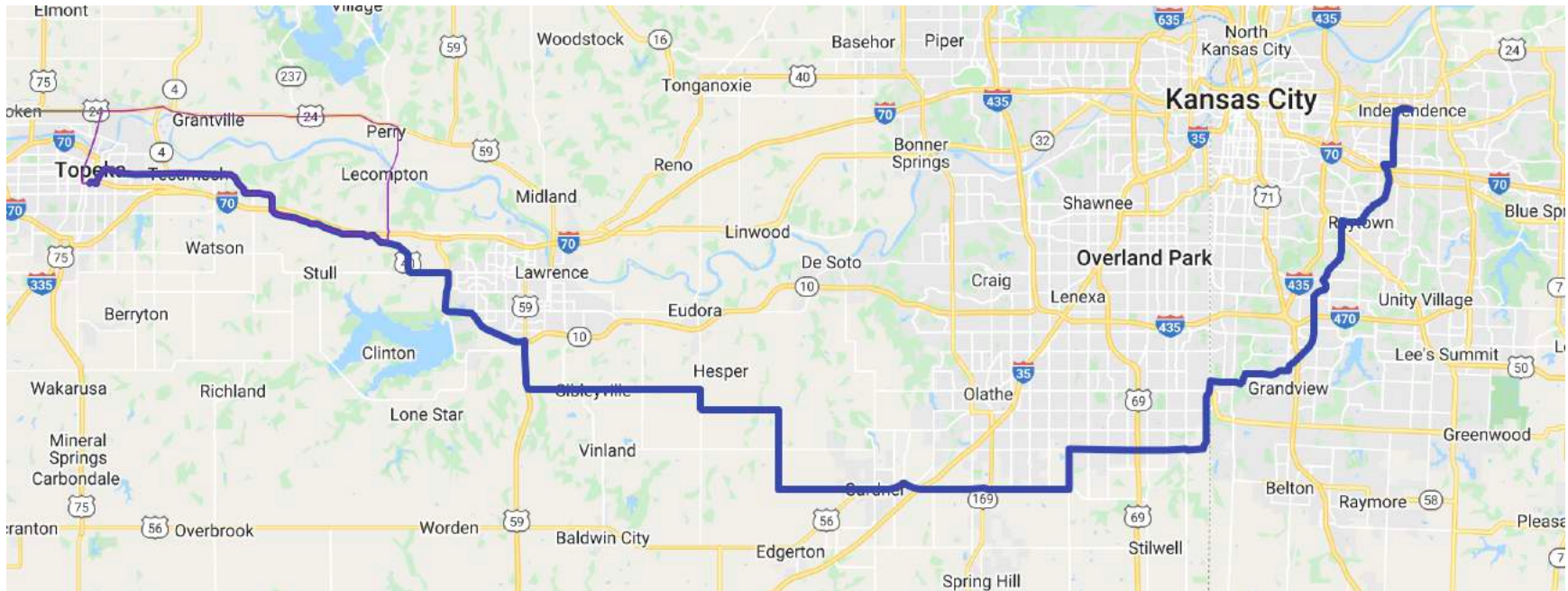
Approx. 73 miles (1 hr, 11 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY



SOLAR CAR ROUTE OVERVIEW

INDEPENDENCE, MO – TOPEKA, KS



INDEPENDENCE, MO – TOPEKA, KS

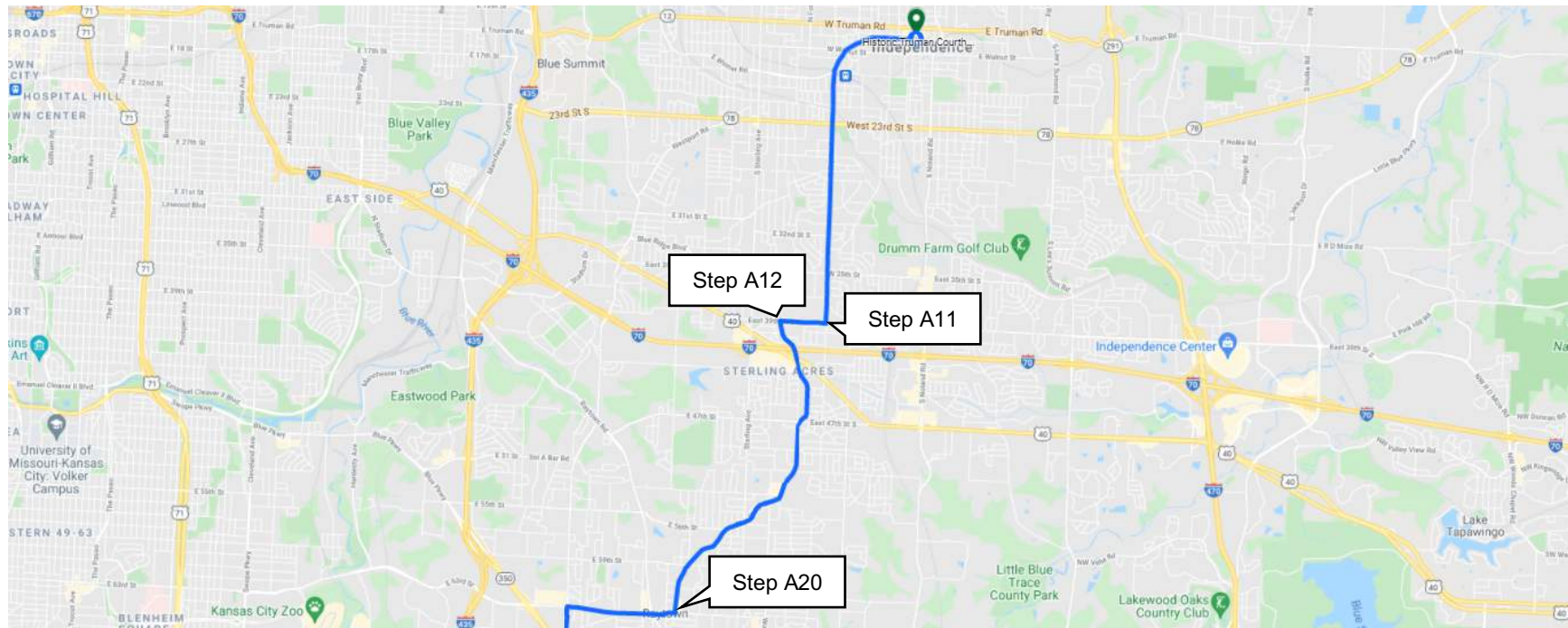
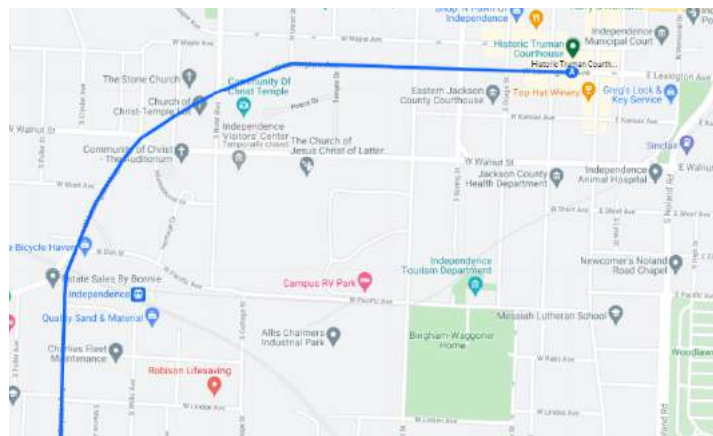
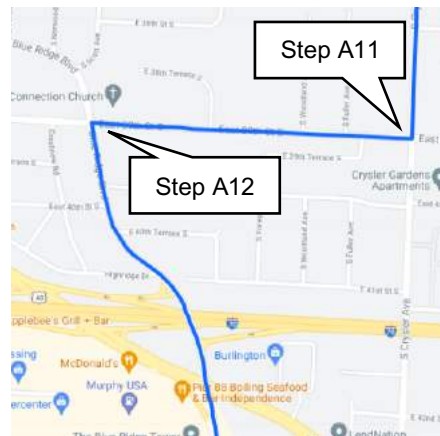
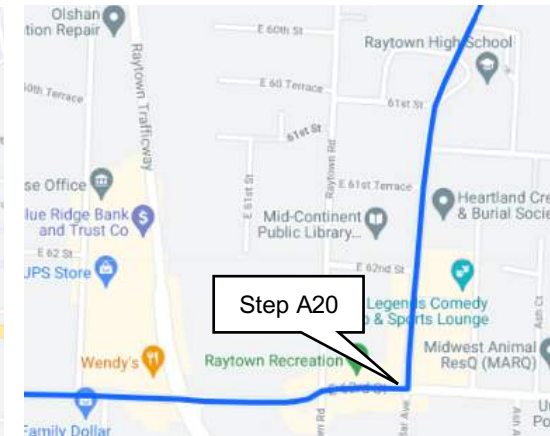
START:

Independence Square (Historic Truman Courthouse)
112 W Lexington Ave, Independence, MO 64050

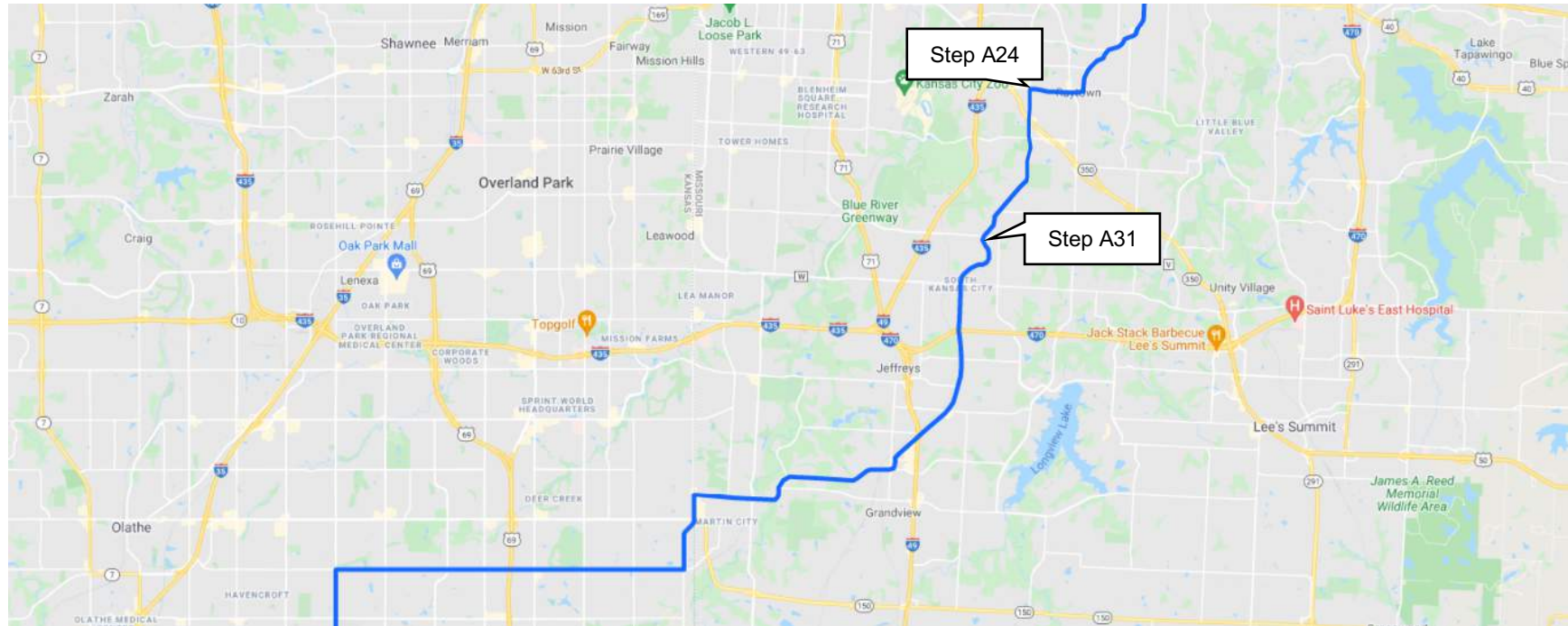
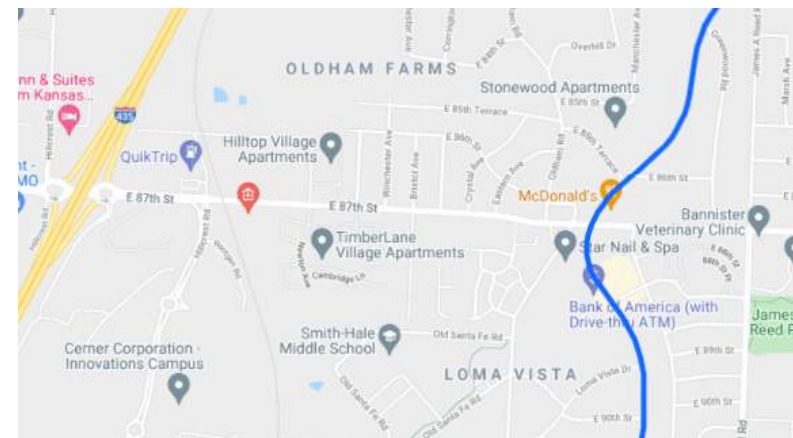
CHECKPOINT:

Brown v. Board of Education National Historic Site
1515 SE Monroe St, Topeka, KS 66612

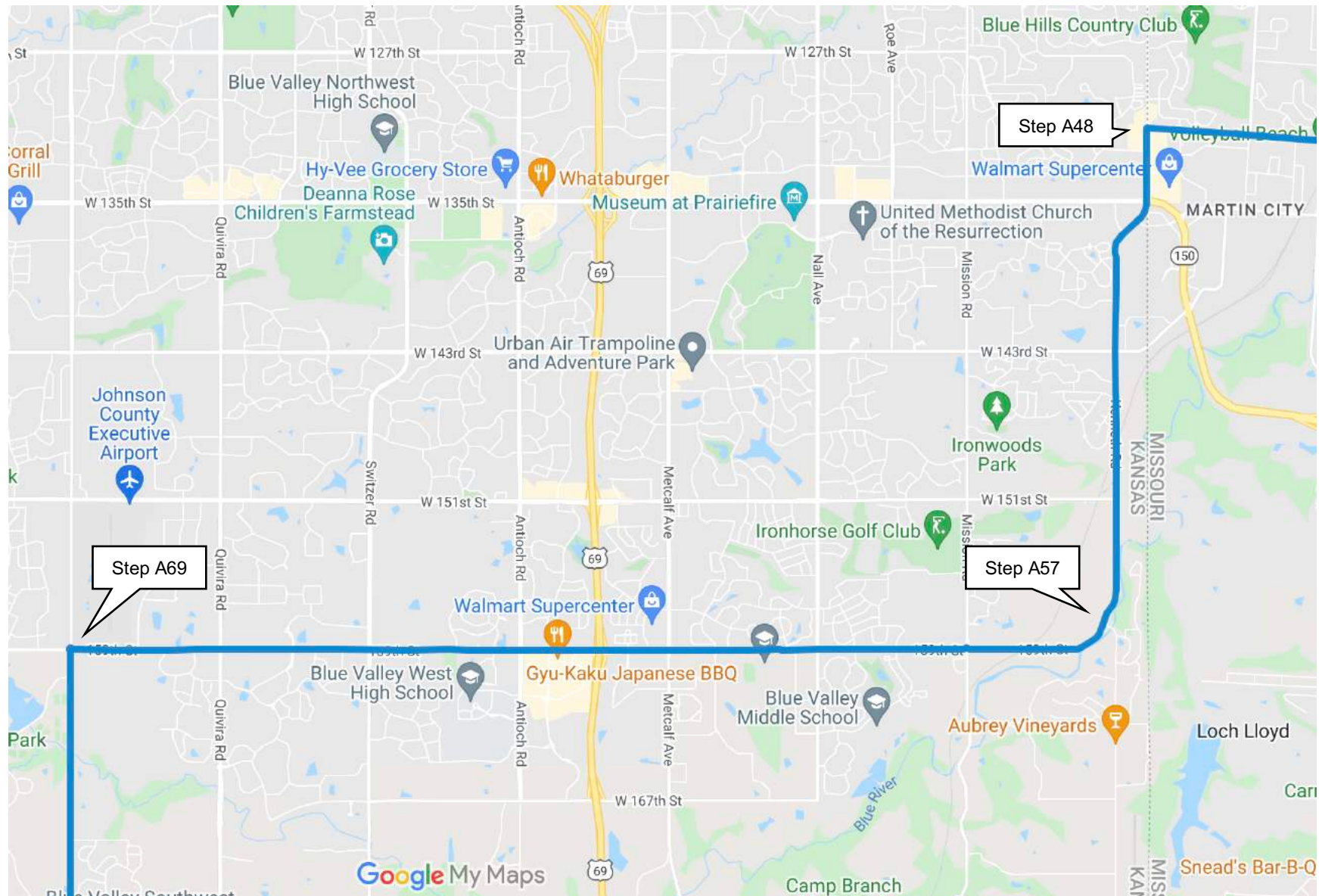


INDEPENDENCE, MO – TOPEKA, KS**Steps A1-A7****Steps A11-A12****Steps A19-A22**

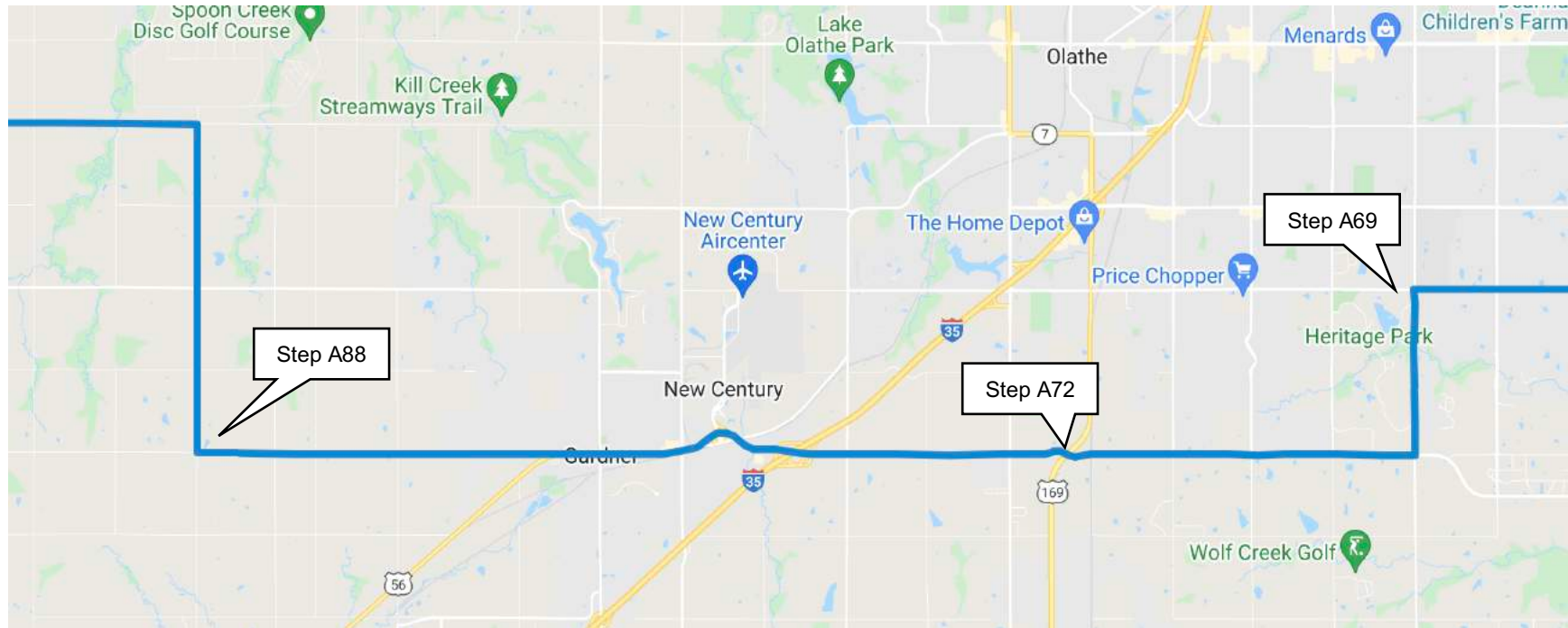
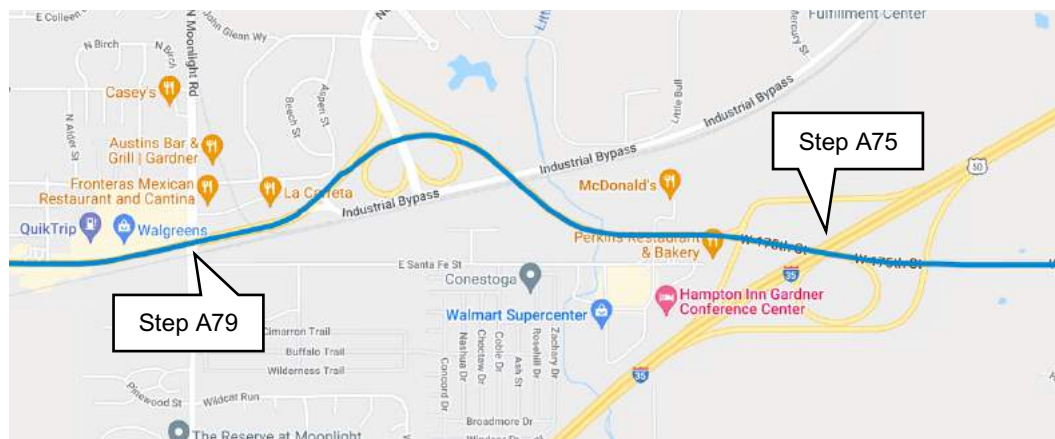
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 1	0.00		HEAD WEST at STOP SIGN on Lexington Ave at Liberty Street		1	20	parking w/ curb	
A 2	0.05	0.05		Stop Sign for N Osage St	1	20		
A 3	0.15	0.10		Stop Sign for S Spring St				
A 4	0.20	0.05		Stop Sign for N Pleasant St				
A 5	0.50	0.30		Stop sign (flashing red) for N River Blvd				
A 6	0.70	0.20		SL for W Walnut St				
A 7	1.00	0.30	CONTINUE STRAIGHT on S Crysler Ave	SL for Lexington Ave, temporarily gain 2 lanes, right lane ends after light	1	30	paved	
A 8	1.50	0.50		SL for W 23rd St, right lane is turn only				fuel
A 9	1.60	0.10				35	curb	
A 10	3.00	1.40		SL for 35th St				
A 11	3.50	0.50	TURN RIGHT at SL for 39th St	Follow signs for the Oregon NHT	1	35	grass	
A 12	3.90	0.40	TURN LEFT at the flashing red STOP SIGN for Blue Ridge Blvd	Follow signs for the Oregon NHT	1	35	grass	
A 13	4.20	0.30		Cross over I-70				
A 14	4.50	0.30		SL for 43rd St, "NHT Original Route Segment Begins" on right after light	1	35	gravel / grass	
A 15	5.10	0.60		SL for 47th St				
A 16	5.60	0.50		SL for 51st St, Entering Raytown			curb	
A 17	6.00	0.40		SL for Woodson Rd	1	35	curb	
A 18	6.40	0.40		SL for Sterling Ave, NHT Original Route sign				
A 19	7.10	0.70		SL for 59th St, NHT Original Route sign	2	30	curb	
A 20	7.60	0.50	TURN RIGHT at the SL for 63rd St, with NHT Original Route sign		1	25	parking	
A 21	7.70	0.10		SL for Raytown Rd				

INDEPENDENCE, MO – TOPEKA, KS**Steps A22-A26****Step A31**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 22	7.90	0.20		SL for Raytown Trafficway (light changes quickly)	2	30	curb	food
A 23	8.20	0.30	CONTINUE STRAIGHT at Elm St	DO NOT follow NHT Original Route sign turning left				
A 24	8.70	0.50	TURN LEFT at the SL for Blue Ridge Cutoff		2	40	curb	fuel
A 25	9.10	0.40	CONTINUE STRAIGHT on Blue Ridge Blvd at 66th	Back on NHT Original Route				
A 26	9.20	0.10		SL for 67th	2	40	curb	
A 27	9.70	0.50		SL for Gregory Blvd, signs for Cave Springs and William M. Klein Park on right; follow Oregon Trail Original Route	2	40	curb	
A 28	10.70	1.00		SL for 79th St, Oregon NHT sign after light	2	40	curb	
A 29	11.30	0.60		SL for James A Reed Rd				
A 30	12.00	0.70	CONTINUE STRAIGHT to follow Blue Ridge Blvd	SL for 87th St, Oregon NHT original route diverges right	2		curb	
A 31	13.30	1.30		SL for Bannister Rd	2	40	curb	fuel
A 32	13.80	0.50		SL for 99th St				
A 33	14.20	0.40		Two SLs for junction with I-470 and US-50 underpass				
A 34	14.80	0.60		SL for 107th St	2	40	curb	fuel
A 35	15.40	0.60		SL for Red Bridge Rd/111th St	2	40	curb	
A 36	15.90	0.50		SL for Longview Rd	2		curb	food
A 37	16.60	0.70		2 SLs for junctions with I-49 & US-71				
A 38	16.70	0.10			2	35	curb	
A 39	17.00	0.30		SL for Truman's Marketplace St				all
A 40	17.50	0.50		SL for Harry Truman Dr	2	35	curb	fuel, food
A 41	17.60	0.10		SL for Grandview Rd, right lane ends ahead	1	35	curb	
A 42	18.50	0.90			1	45		

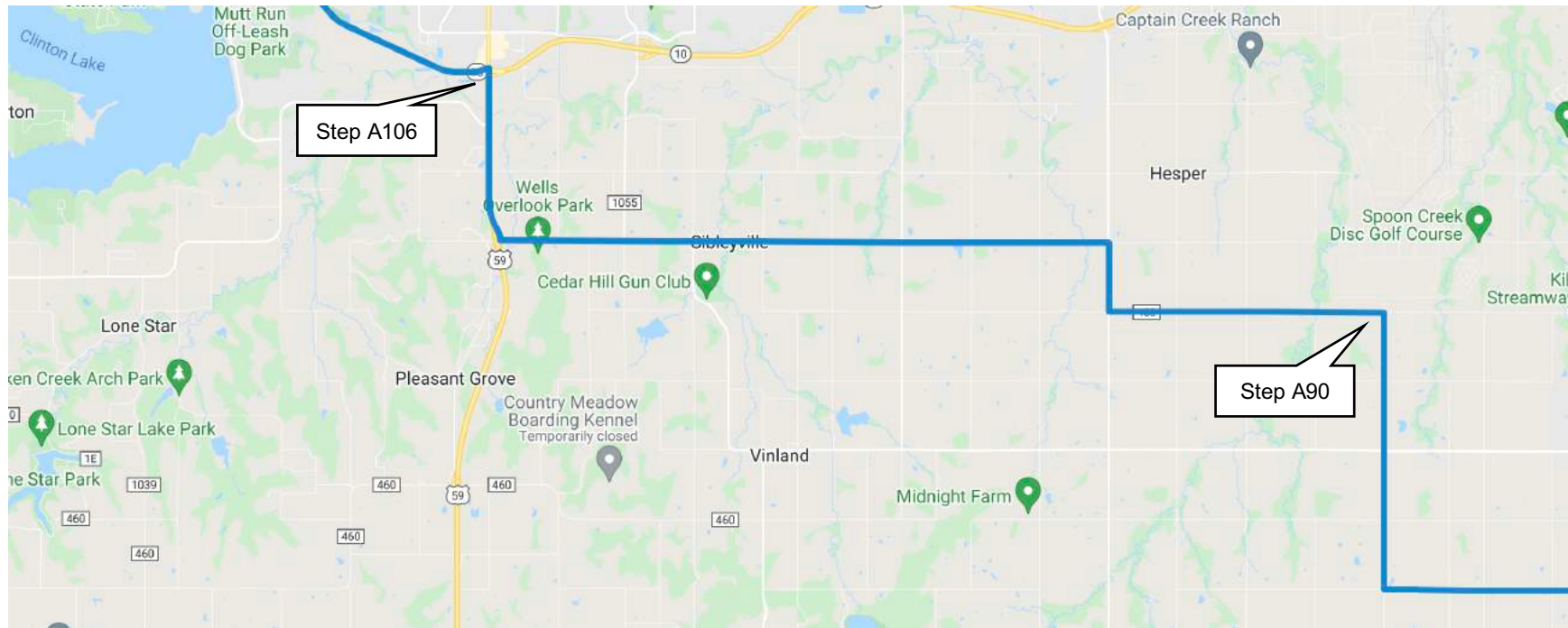
INDEPENDENCE, MO – TOPEKA, KS

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 43	19.70	1.20		Parking area on right with bathroom				
A 44	20.10	0.40		Parking area on right with bathroom		40		
A 45	20.80	0.70		SL for Holmes Rd	1	40	curb	fuel
A 46	21.30	0.50		SL for Wornall Rd			grass / gravel	
A 47	21.40	0.10			2	40	curb	
A 48	22.00	0.60	TURN LEFT at SL onto State Line Rd	Entering Kansas	2	40	curb	fuel
A 49	22.10	0.10		SL for W 133 St				hospital
A 50	22.20	0.10		SL for E 133 St, shopping center on left				
A 51	22.40	0.20	CONTINUE STRAIGHT on Kenneth Rd, signs for local tour route to right	SL for 135th St				
A 52	22.60	0.20		SL for 136th St				
A 53	22.80	0.20	MERGE LEFT, right lane is turn only		1	40	curb	
A 54	23.50	0.70		SL for 143rd St				
A 55	24.20	0.70		RR Tracks. CAREFUL HERE NO TRAIN HORN, potholes by track	1	35	grass	
A 56	24.50	0.30		Stop sign - all ways - 151st St		45	ditch	
A 57	26.00	1.50	CONTINUE STRAIGHT on 159th St	RR Tracks, Diagonal, 1 track - CAREFUL HERE				
A 58	26.40	0.40	CONTINUE STRAIGHT through the traffic circle to stay on 159th St	Second exit, bike lane	2	45	paved w/ curb	
A 59	27.40	1.00		SL for Nall Ave				
A 60	27.60	0.20	CONTINUE STRAIGHT at the traffic circle	First exit				
A 61	27.90	0.30	CONTINUE STRAIGHT at the traffic circle	First exit				
A 62	28.40	0.50		SL for Metcalf Ave	2	45	BL w/ curb	
A 63	28.70	0.30		SL for Foster				
A 64	28.80	0.10		Two SLs for junction with US-69				
A 65	29.20	0.40		SL for Lowell Ave				

INDEPENDENCE, MO – TOPEKA, KS**Steps A75-A79****Step A88**

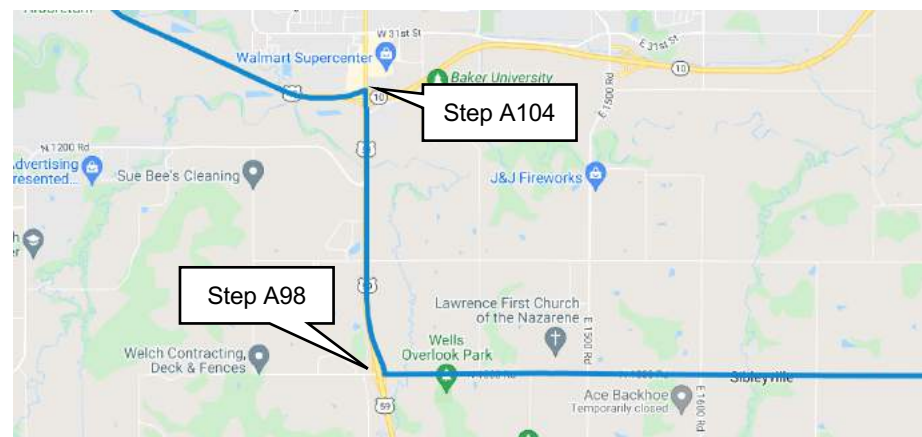
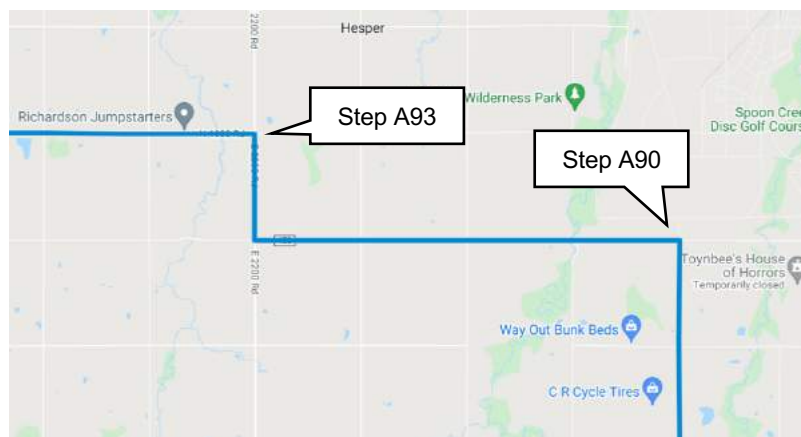
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 66	29.40	0.20		SL for Antioch Rd				
A 67	30.40	1.00		SL for Switzer Rd				
A 68	31.40	1.00		SL for Quivira Rd. MERGE LEFT to go straight	1	45	paved	
A 69	32.40	1.00	TURN LEFT at the ROUNDABOUT for S Pflumm Rd	Third exit; historic marker after ROUNDABOUT	1	45	grass	
A 70	34.50	2.10	TURN RIGHT at the STOP SIGN onto 175th St		1	50	paved	
A 71	38.50	4.00		RR Tracks (reduced speed for tracks)	1	30		
A 72	38.70	0.20		SL for US-169/KS-7	1	50	paved	
A 73	39.50	0.80		SL for Lone Elm Rd	1	50	paved	
A 74	41.50	2.00	CONTINUE STRAIGHT at Clare Rd with signs for NHT local tour on right					
A 75	42.10	0.60	CONTINUE STRAIGHT on 175th St/US-56/Main St	Cross over I-35/US-50, Entering Gardner	2	50		all
A 76	42.50	0.40		SL for Cedar Niles				
A 77	43.30	0.80		SL for Old 56 Hwy	2	40		
A 78	43.50	0.20		RR Tracks, rough (go slow!)				
A 79	43.60	0.10		SL for N Moonlight Rd				
A 80	43.80	0.20			2	40	curb	food
A 81	44.30	0.50		SL for Mulberry St	2	30		
A 82	44.50	0.20		SL for Elm St, Gardner City Hall at right ahead, 2 lanes, 30 mph	2	30		
A 83	44.60	0.10		SL for Center St	2	35	curb	
A 84	45.10	0.50	CONTINUE STRAIGHT in the right hand lane to continue on 175th St as Main St curves to the left	Continuing west on 175th St (This is where the route separates from the ASC 2021 route.)	1	35	curb	
A 85	45.60	0.50		All-way Stop at Waverly Rd	1	40	grass	fuel
A 86	46.00	0.40				45		
A 87	48.20	2.20		Signs to Lanesfield Historic Site, 1.5 miles to the left				

INDEPENDENCE, MO – TOPEKA, KS

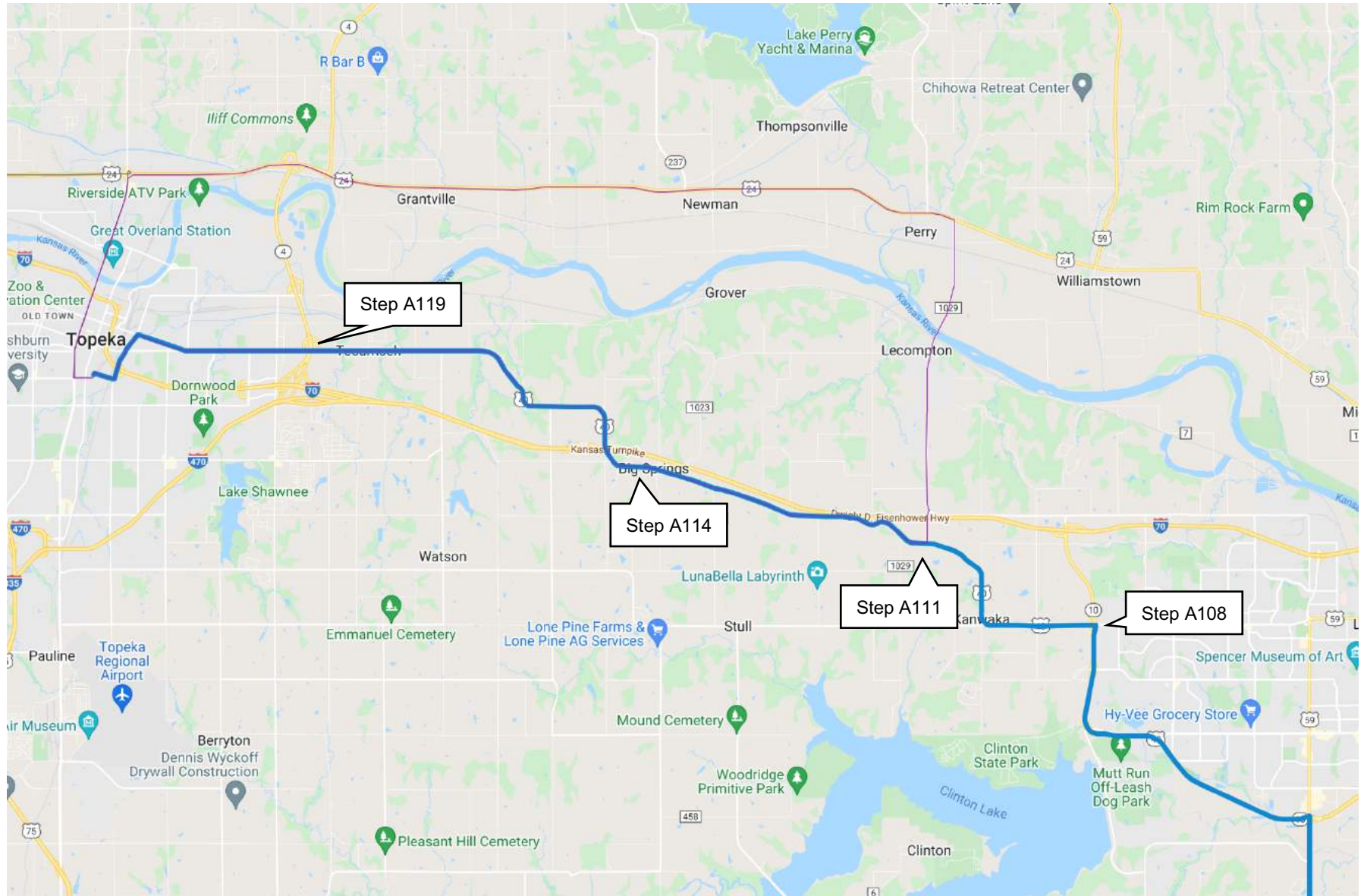


Steps A90-A93

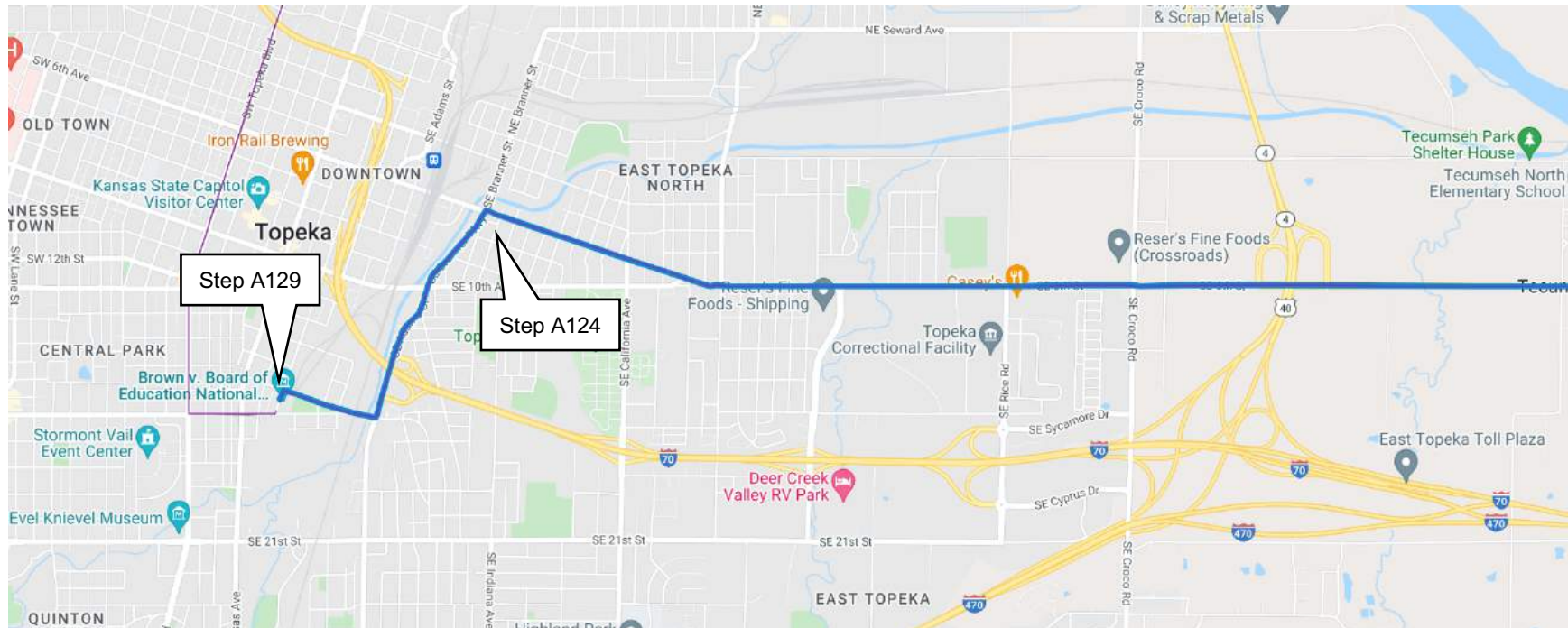
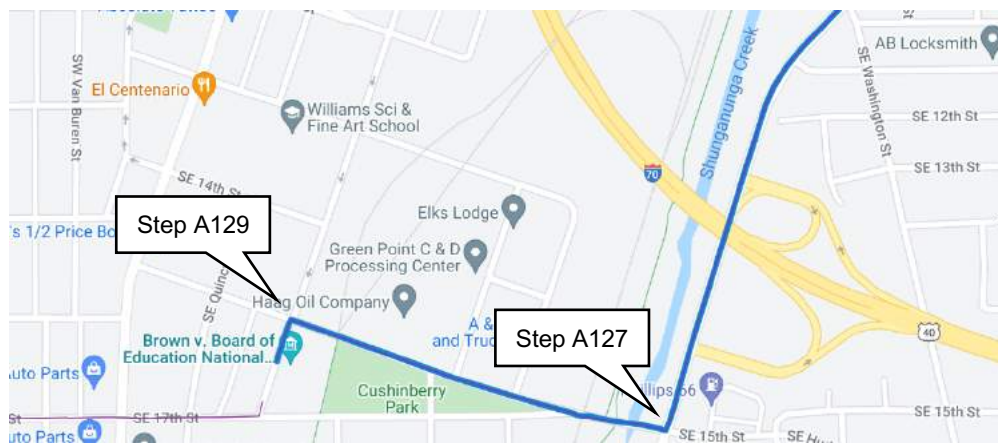
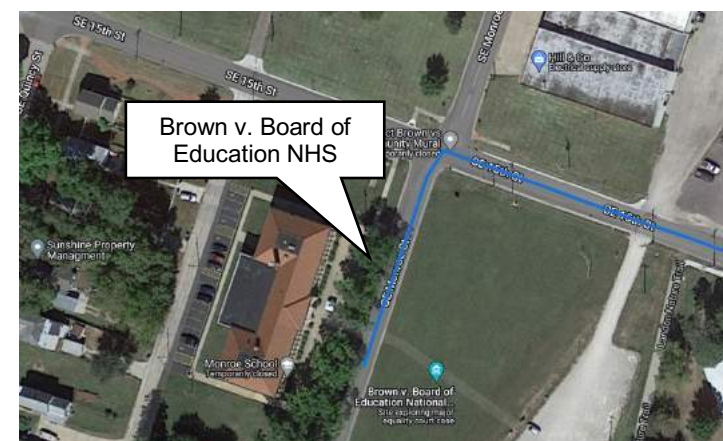
Steps A98-A104



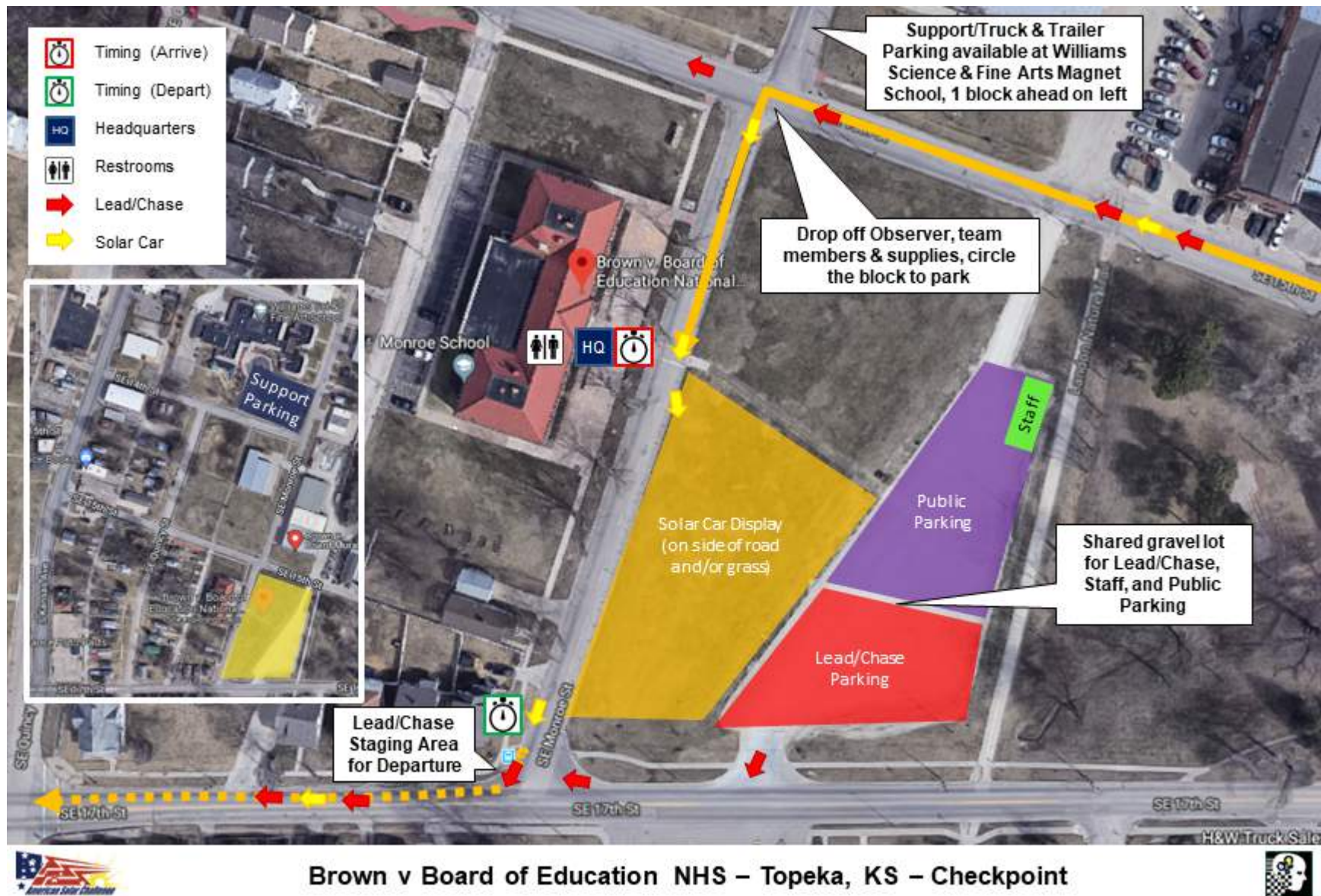
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 88	49.60	1.40	TURN RIGHT at the STOP SIGN for Edgerton Rd		1	45	ditch	
A 89	51.60	2.00		159th St				
A 90	53.60	2.00	TURN LEFT at the STOP SIGN for 143rd St		1	45	grass	
A 91	55.70	2.10		Pass E 240 Rd		55		
A 92	57.60	1.90	TURN RIGHT at the STOP SIGN onto Douglas County Rd 1061/ E2200 and Douglas County Rd 458		1	55	ditch	
A 93	58.60	1.00	TURN LEFT to follow Douglas County Rd 458	NO STOP SIGN; be careful	1	55	ditch	
A 94	60.40	1.80		1/4 mi before E 2000		45		
A 95	61.60	1.20		Stop Sign for Douglas County Rd 1057/E 1900	1	55		
A 96	64.20	2.60		Cross Coal Creek (hard to see) Lowest point on route, 820ft				
A 97	65.60	1.40		Stop Sign for Douglas County Rd 1055/E 1500	1	55	narrow paved	
A 98	67.50	1.90	TURN RIGHT before the underpass onto ramp for US-59 North towards Lawrence		1	55	paved	
A 99	67.70	0.20	MERGE LEFT onto US-59 North	Rumble strips	2	55	wide paved	
A 100	69.10	1.40		SL for Douglas County Rd 458/W 1200				
A 101	69.60	0.50	MERGE LEFT for left turn ahead		2	45		
A 102	69.90	0.30		SL for KS-10 East towards Olathe. Continue straight				
A 103	70.00	0.10	TURN LEFT at SL for KS-10 West onramp	Will get fully protected left green at the start of the cycle				
A 104	70.20	0.20	MERGE LEFT onto KS-10 West		1	65	wide paved	
A 105	72.80	2.60		SL for Wakarusa Dr/27th St				
A 106	75.40	2.60		Pass exit for Bob Billings Parkway				

INDEPENDENCE, MO – TOPEKA, KS

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 107	76.30	0.90	EXIT RIGHT with signs for US-40 Lawrence/Topeka					
A 108	76.60	0.30	TURN LEFT at the SL at the top of the exit onto US-40 W, with signs towards Topeka	Follow US-40 West for the next 17 miles to Topeka	2	55		
A 109	76.70	0.10	MERGE LEFT after light as right lane ends	SL for KS-10 East	1	55	grass	
A 110	78.60	1.90		Jct CR 442/Stull Rd/1600 Rd on left; US-40 curves to the right "Clinton Wildlife Area 8 miles"			ditch	
A 111	81.20	2.60		Picnic area & historic marker on right, Douglas County Rd 1029 NOTE: Solar cars driving the Topeka Checkpoint Loop entering from right				
A 112	82.60	1.40		Billboard for Lecompton with Abe Lincoln on right				
A 113	85.50	2.90		Water Tower on left: RWD No. 3 Douglas Co.				
A 114	86.50	1.00		Entering Big Springs (unincorporated)		45		
A 115	87.00	0.50		Just before E 56		55		
A 116	88.30	1.30		Shawnee County Line			grass / ditch	
A 117	91.80	3.50		Dupont Road, temporarily 2 lanes each way, sign for Topeka Steakhouse on right				
A 118	93.60	1.80		SL for KS-4 East	2	55	paved	
A 119	93.90	0.30	CONTINUE STRAIGHT at SL onto SE 6th Ave	SL for US-40 West/KS-4 West with signs for NHT Auto Tour	2	45	paved w/ curb	
A 120	94.40	0.50		SL for Croco Rd				fuel
A 121	94.90	0.50		SL for SE Rice Rd		40	curb	fuel
A 122	96.00	1.10		SL for SE Golden Ave	1	30	BL / parking	
A 123	96.40	0.40		SL for SE Lamar St			BL / parking	

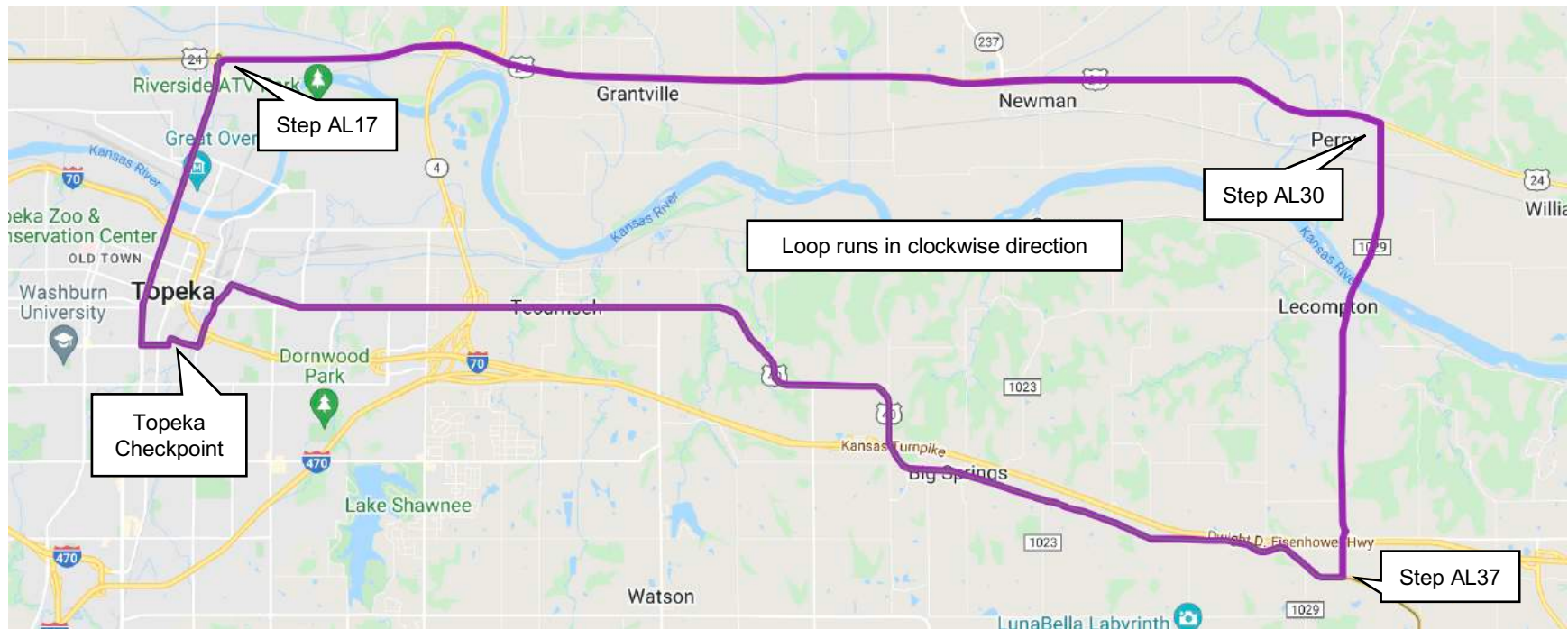
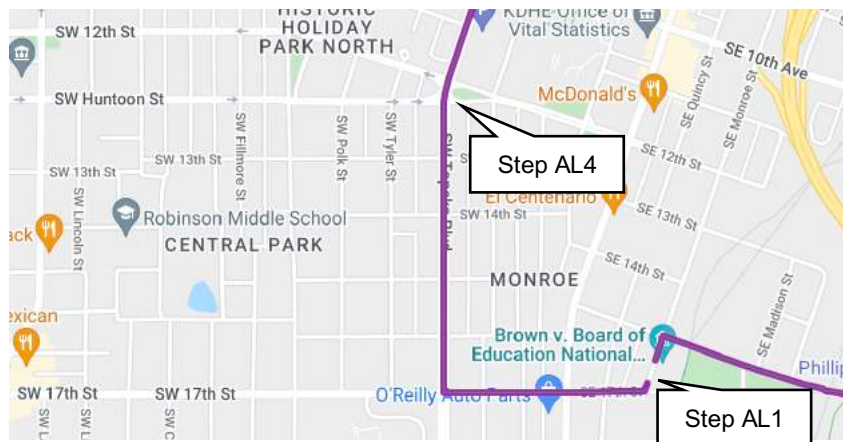
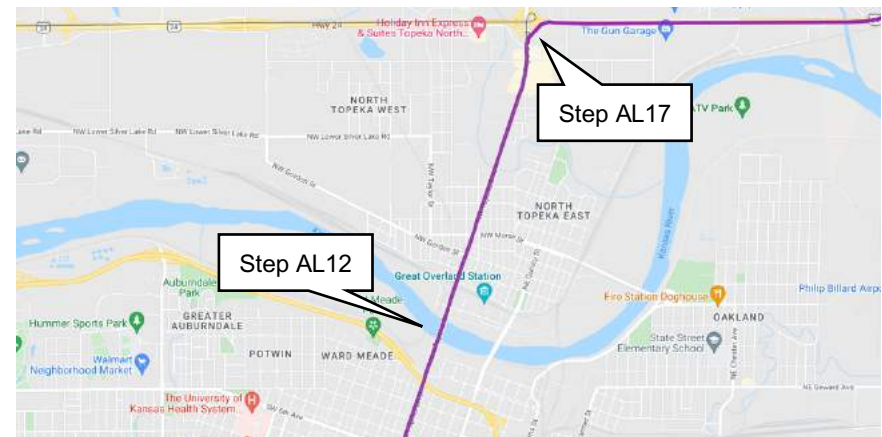
INDEPENDENCE, MO – TOPEKA, KS**Final Approach to Topeka Checkpoint****Step A130**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 124	97.00	0.60	TURN LEFT at SL for SE Branner Trfwy		2	40	curb	
A 125	97.40	0.40	MERGE LEFT, right lane ends ahead	SL for SE 10th Ave. Street becomes SE Adams St.	1	40		
A 126	97.70	0.30		SL for I-70 East towards Kansas City. Prepare to turn right ahead				
A 127	98.00	0.30	TURN RIGHT at SL for SE 15th St		1	30	curb	fuel
A 128	98.05	0.05	KEEP RIGHT at the fork under the rail bridge	Prepare to turn ahead	2	30	curb	
A 129	98.25	0.20	TURN LEFT at SE Monroe St into the checkpoint	Only solar cars turn left; lead/chase may drop people/tools and then circle the block to the parking lot	1	25	curb	
A 130	98.30	0.05	CROSS timing line	Follow staff directions				



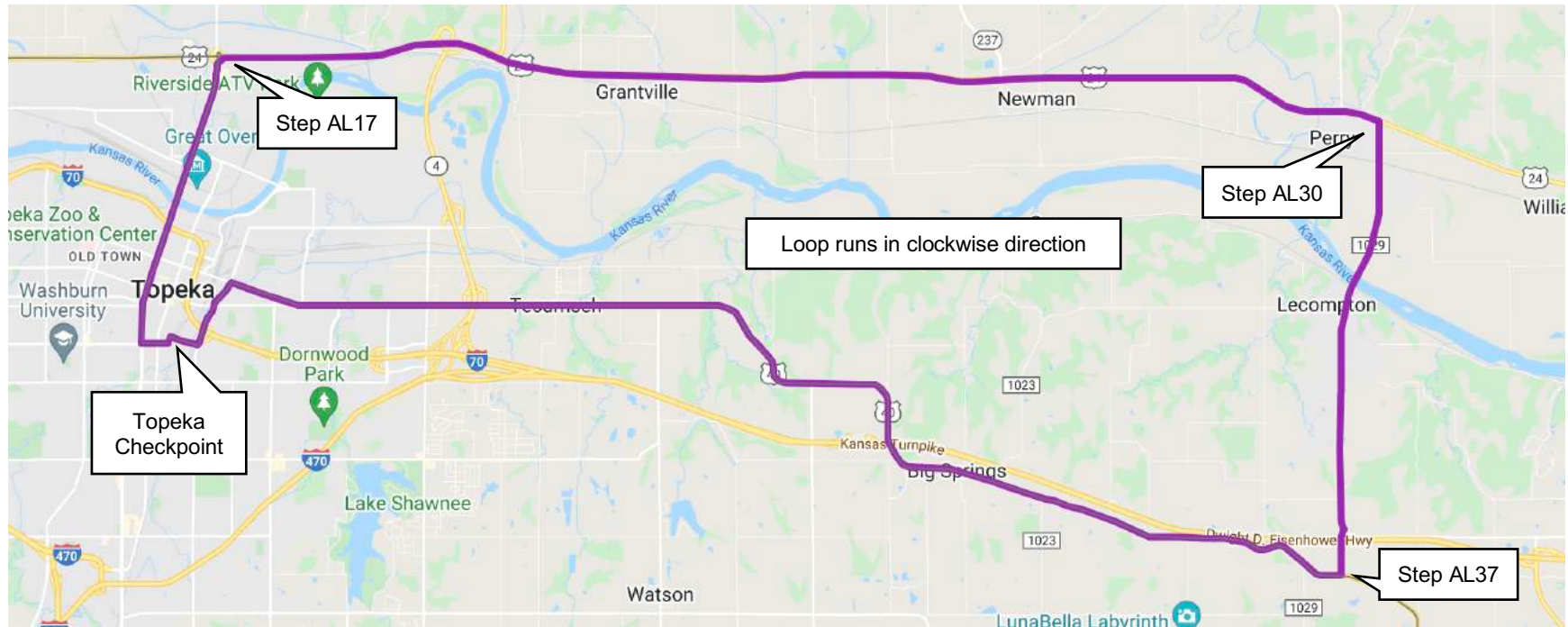
STAGE 1
OPTIONAL LOOP
(SEGMENT A LOOP)
TOPEKA

AMERICAN SOLAR CHALLENGE 2022

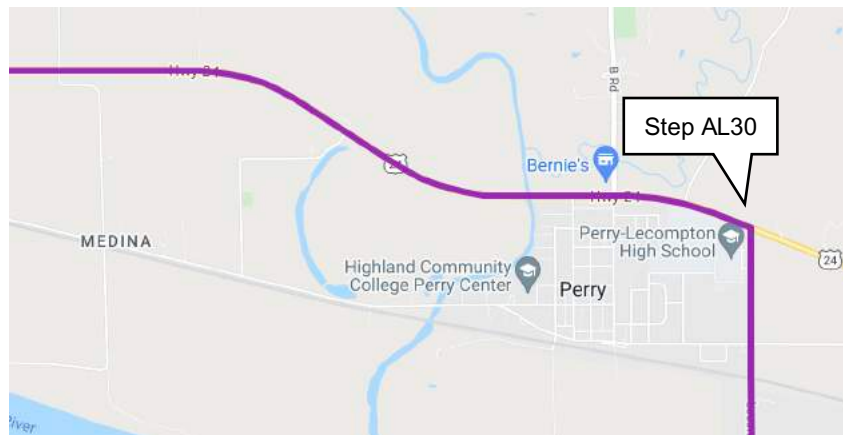
TOPEKA OPTIONAL LOOP**Steps AL1-AL4****Steps AL8-AL18**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 1	0.00		TURN RIGHT at Stop Sign onto SE 17th St		1			
AL 2	0.10	0.10		SL onto S Kansas Ave	1	30	curb	
AL 3	0.40	0.30	TURN RIGHT at SL onto SW Topeka Blvd			40		
AL 4	0.80	0.40		3x SL for SW Huntoon St & SW 12th St Capital City of Kansas Sign	2	35	curb	
AL 5	1.10	0.30		SL for SW 10th Ave				
AL 6	1.30	0.20		SL for SW 8th Ave				
AL 7	1.50	0.20		SL for SW 6th Ave				
AL 8	1.60	0.10		SL for SW 5th St				
AL 9	1.70	0.10		SL for SW 4th St				
AL 10	1.80	0.10		SL for SW 3rd St	2	40	curb	
AL 11	2.00	0.20		SL for W 1st St				
AL 12	2.20	0.20		Cross Kansas River				
AL 13	2.80	0.60		SL for NW Gordon St	2	35	curb	
AL 14	2.90	0.10		SL for NW Morse St	2	40		
AL 15	3.80	0.90		SL for NW Independence Ave				food
AL 16	4.00	0.20		SL for NW Lyman Rd. The rightmost lane is an unmarked turn lane; continue straight				
AL 17	4.10	0.10	EXIT RIGHT for US-24 East towards Kansas City	Note: Solar cars that are continuing ahead on the main route will go straight here, DO NOT FOLLOW THEM if you want to follow the loop route				
AL 18	4.30	0.20	MERGE LEFT onto US-24 East		2	45	paved	
AL 19	4.40	0.10		SL for N Kansas Ave				
AL 20	4.70	0.30			2	55	paved	
AL 21	5.60	0.90			2	65	paved	
AL 22	6.30	0.70			2	70		

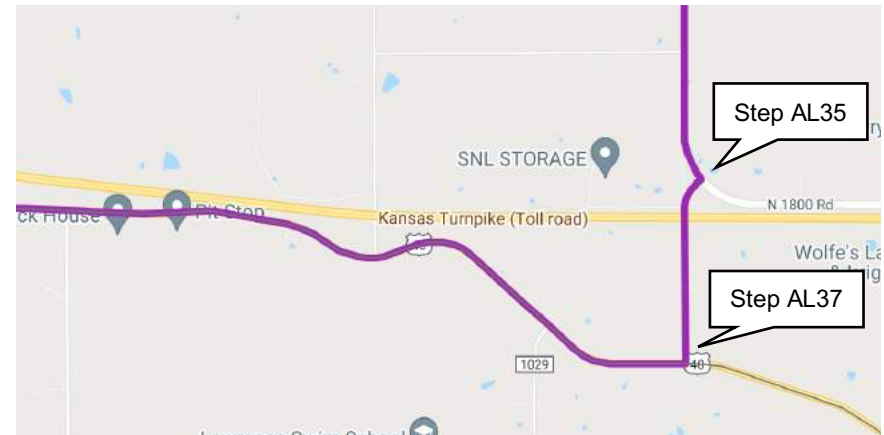
TOPEKA OPTIONAL LOOP



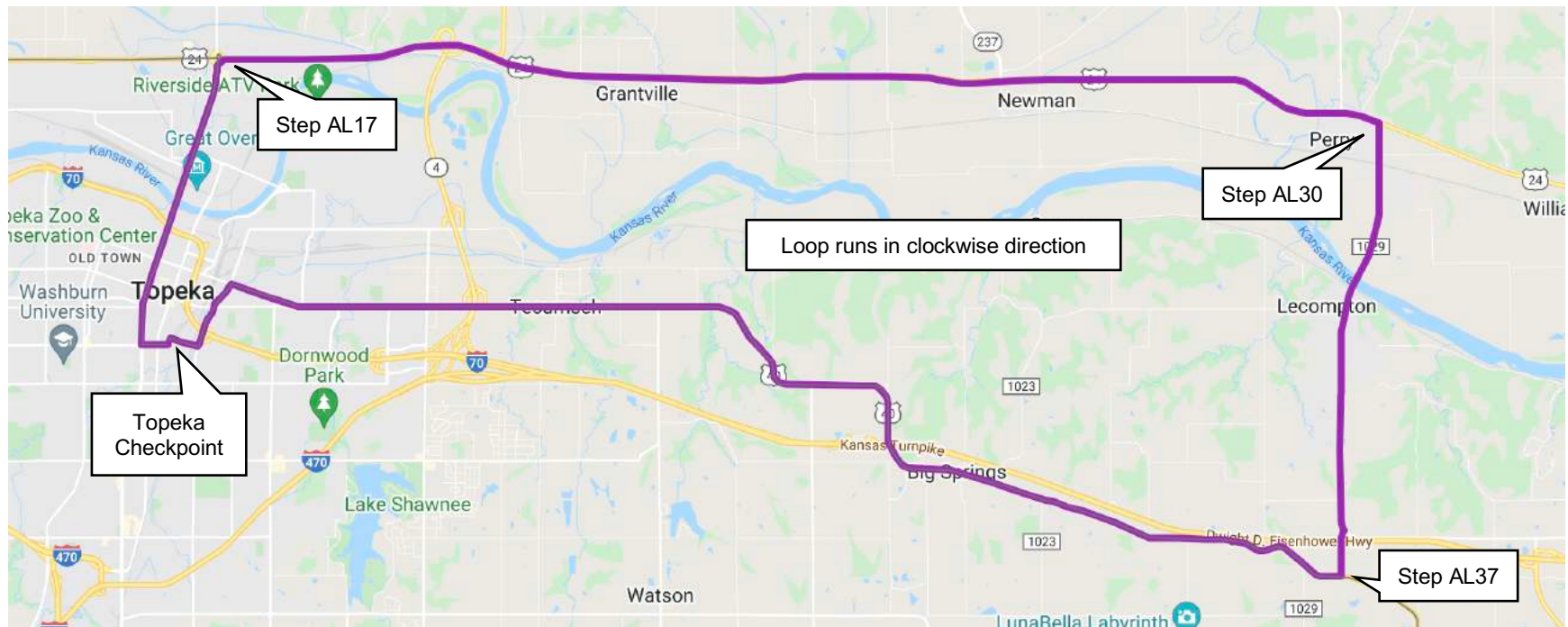
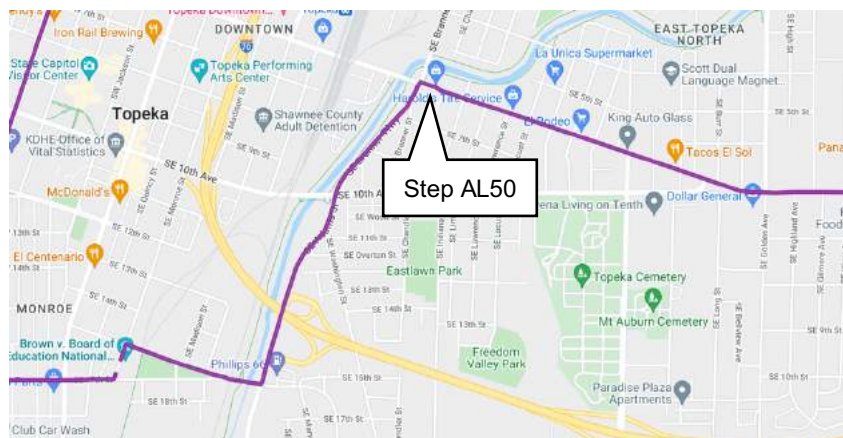
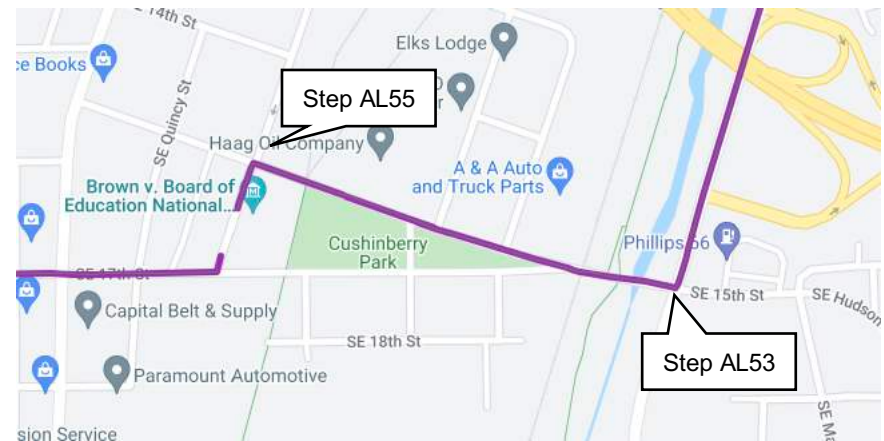
Perry Detail



Steps AL35-AL37



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 23	6.90	0.60		Jct KS-4 W				
AL 24	7.70	0.80		Jct KS-4 E				
AL 25	14.10	6.40	MERGE RIGHT, left lane becomes turn lane ahead		2	65	paved/ gravel	
AL 26	14.40	0.30		KS-237 turnoff on left				
AL 27	15.00	0.60		Jct Newman Rd	1			
AL 28	18.70	3.70		Cross Delaware River, entering Perry		55		
AL 29	19.00	0.30	CONTINUE STRAIGHT but PREPARE for right turn in 1/2 mile	SL for Ferguson/Cedar				fuel
AL 30	19.50	0.50	TURN RIGHT on Lecompton Rd at signs for Historic Lecompton/Constitution Hall State Historic Site	Right turn lane, Perry Lecompton Middle School on right corner PAY ATTENTION! EASY TO MISS!	1	45	gravel	
AL 31	20.10	0.60		RR tracks; double tracks; bumpy		55		
AL 32	21.60	1.50		Cross Kansas River	1	40		
AL 33	21.90	0.30		Douglas County Line, entering Lecompton			gravel	
AL 34	22.60	0.70				55	paved	
AL 35	25.00	2.40	TURN RIGHT onto Douglas County Rd 1029 (E 600 Rd)	Right turn lane, in the middle of a left bend in the road	1	45	paved/ gravel	
AL 36	25.10	0.10		Pass under I-70			ditch	
AL 37	25.60	0.50	TURN RIGHT at Stop Sign onto Hwy 40	Follow US-40 West, Rejoin main solar car route at STEP A110	1	55	grass	
AL 38	27.20	1.60		Billboard for Lecompton with Abe Lincoln on right				
AL 39	29.70	2.50		Water Tower on left, RWD No. 3 Douglas Co.				
AL 40	30.70	1.00		Entering Big Springs (unincorporated) by fire station		45		none
AL 41	31.30	0.60				55		
AL 42	32.60	1.30		Shawnee County Line just before bend with SE 21st St				

TOPEKA OPTIONAL LOOP**Topeka Checkpoint Approach****Topeka Checkpoint**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 43	36.70	4.10		Dupont Road, temporarily 2 lanes each way, sign for Topeka Steakhouse on right				
AL 44	38.50	1.80		SL for KS-4 East	2	55	paved	
AL 45	38.80	0.30	CONTINUE STRAIGHT at SL onto SE 6th Ave	SL for US-40 West/KS-4 West with signs for NHT Auto Tour	2	45	paved w/curb	
AL 46	39.30	0.50		SL for Croco Rd				fuel
AL 47	39.70	0.40		SL for SE Rice Rd		40		fuel
AL 48	40.80	1.10		SL for SE Golden Ave Down to 1 lane past the bend, after the intersection	1	30	BL, parking	
AL 49	41.30	0.50		SL for SE Lamar St			BL, parking	
AL 50	41.90	0.60	TURN LEFT at SL for SE Branner Trfwy		2	40	curb	
AL 51	42.20	0.30	MERGE LEFT, right lane ends ahead	SL for SE 10th Ave. Street becomes SE Adams ST	1	40		
AL 52	42.50	0.30		SL for I-70 East towards Kansas City. Prepare to turn right	2			
AL 53	43.00	0.50	TURN RIGHT at SL for SE 15th St					fuel
AL 54	43.05	0.05	KEEP RIGHT at the fork under the rail bridge	Prepare to turn				
AL 55	43.25	0.20	TURN LEFT at SE Monroe St into the checkpoint	Only solar cars turn left; lead/chase may drop people/tools and then circle the block to the parking lot	1	25	curb	
AL 56	43.30	0.05	Cross timing line	Follow staff directions				

STAGE 1

SEGMENT B

AMERICAN SOLAR CHALLENGE 2022

Topeka, KS – Grand Island, NE

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Note: there are many roads to stair-step from Topeka to Grand Island. Given these options, please avoid traveling on the solar car route.

US-75 to NE-2 to I-80 is the fastest route but puts support vehicles potentially further away from the solar cars for end of day.
Based on where your team expects to be at end of day will likely impact which route you take.

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

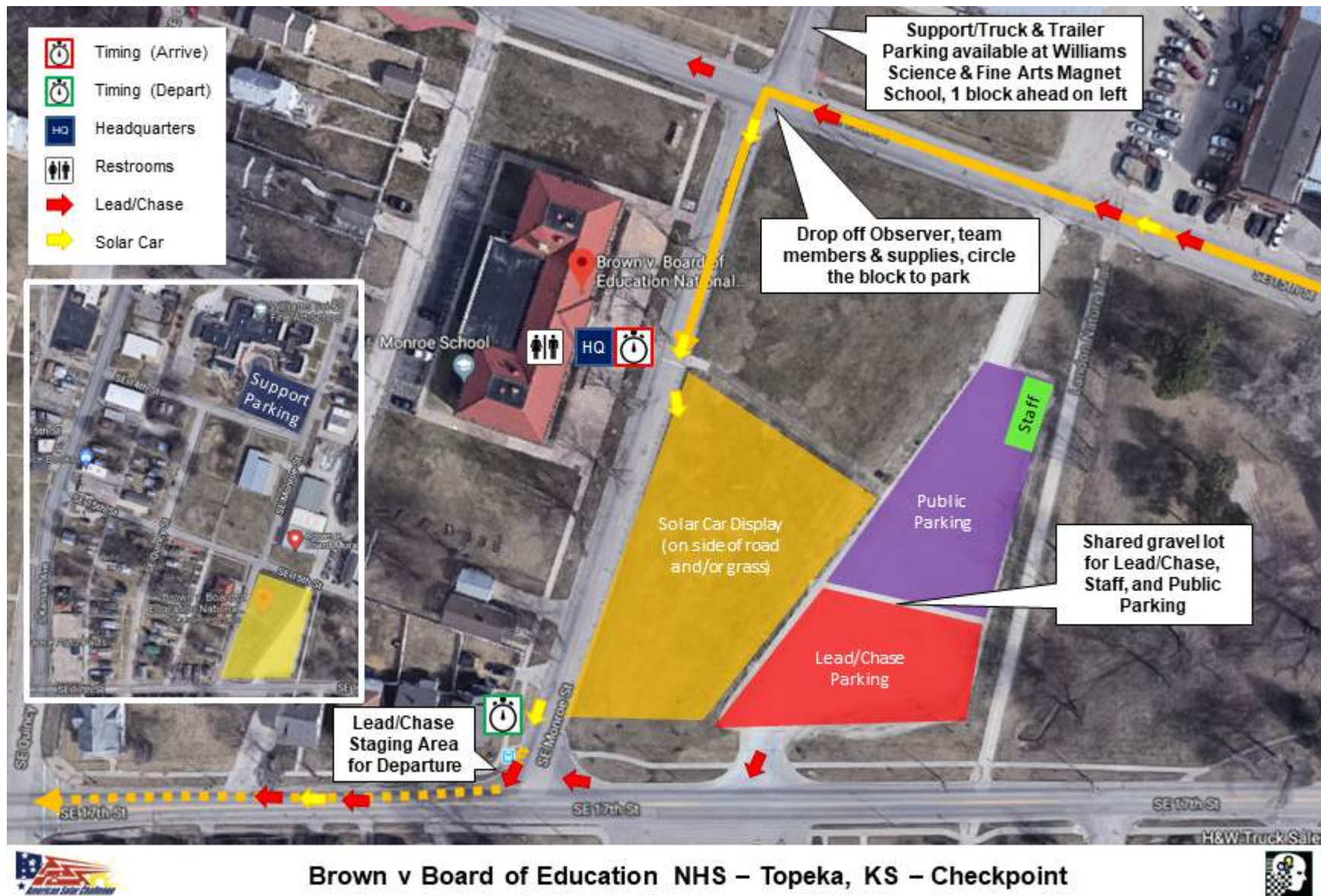
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	TURN RIGHT onto SE 14 th St	
0.1 mi	TURN RIGHT onto S Kansas Ave	
0.2 mi	TURN RIGHT onto SE 12th St	
0.1 mi	TURN LEFT onto SE Quincy St	
0.2 mi	TURN RIGHT onto SE 10th St	
0.2 mi	TURN LEFT onto SE Madison St.	
0.2 mi	TURN LEFT to enter I-70 W/KS-4/US-40 W	
48.0 mi	TAKE EXIT 313 to merge onto KS-177 N toward Manhattan	
8.5 mi	Take the KS-18/KS-177/Ft Riley Blvd ramp to US-24 W/Tuttle Creek Blvd	
15.2 mi	Continue onto US-77 N	
27.3 mi	Continue on KS-9 W to Washington	
23.5 mi	TURN LEFT onto KS-9 W/W Main St	
16.5 mi	TURN RIGHT onto KS-15 N	
7.0 mi	TURN LEFT onto US-36 W/E 7th St	
31.7 mi	Use the right lane to merge onto US-81 N	
72.7 mi	TURN LEFT to merge onto I-80 W	
34.6 mi	TAKE EXIT 318 for NE-2 toward Grand Island; TURN RIGHT onto NE-2	
3.3 mi	TURN LEFT onto US-34 W/I-80 ALT	
6.4 mi	TURN LEFT into the Stuhr Museum-Prairie Pioneer	

Approx. 273 miles (4 hr, 23 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY



SOLAR CAR ROUTE OVERVIEW

TOPEKA, KS – GRAND ISLAND, NE



TOPEKA, KS – GRAND ISLAND, NE

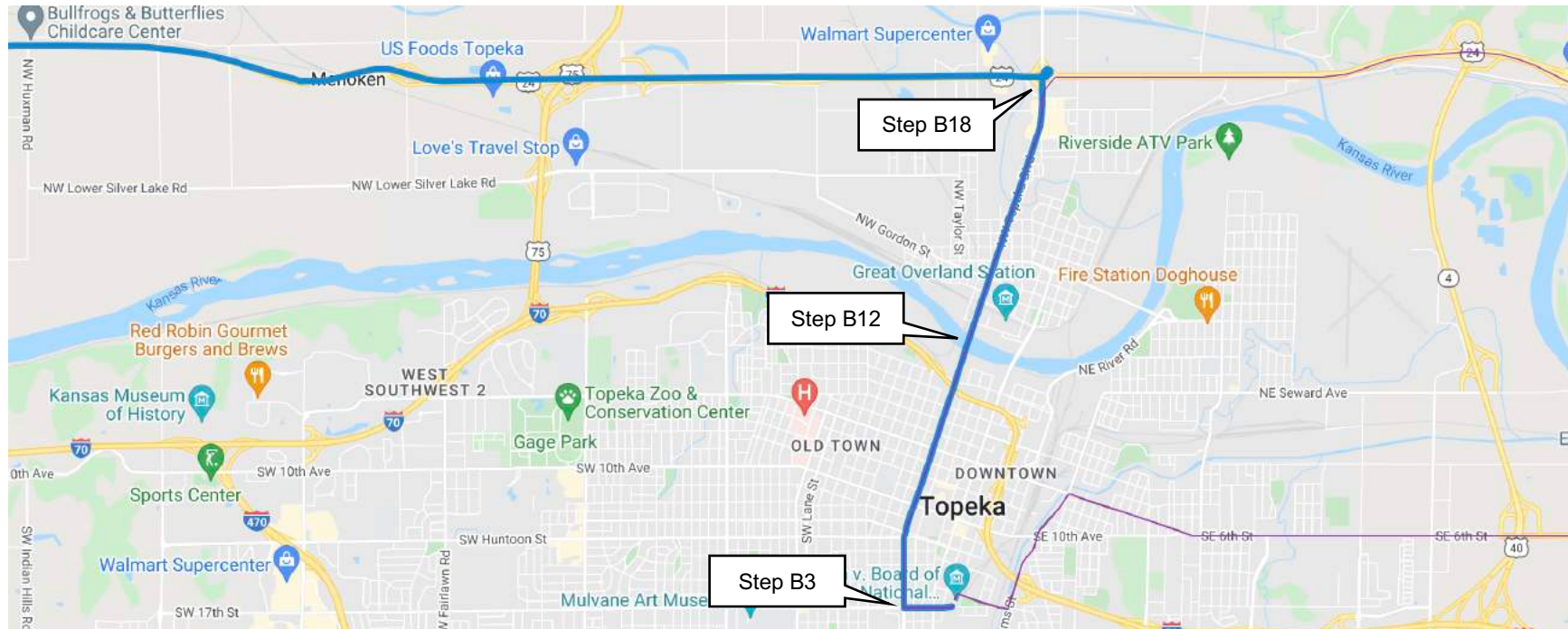
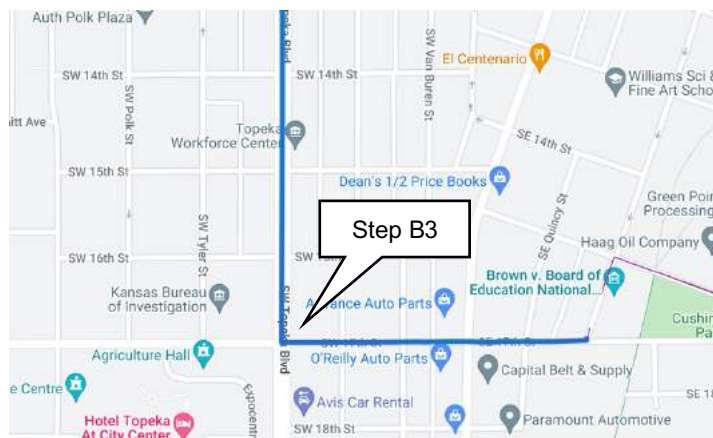
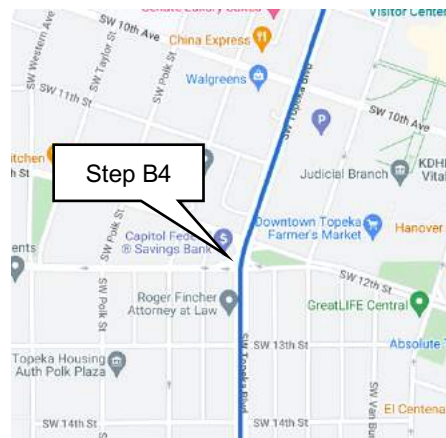
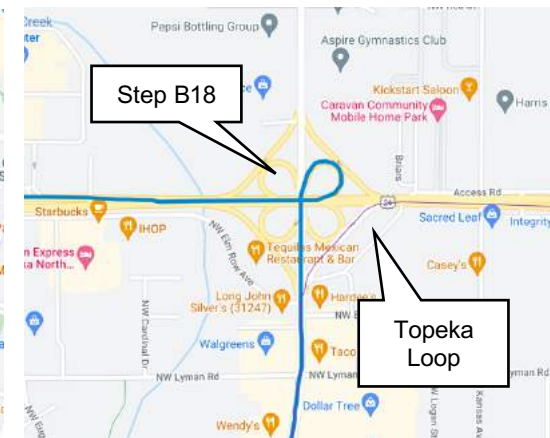
CHECKPOINT:

Brown v. Board of Education National Historic Site
1515 SE Monroe St, Topeka, KS 66612

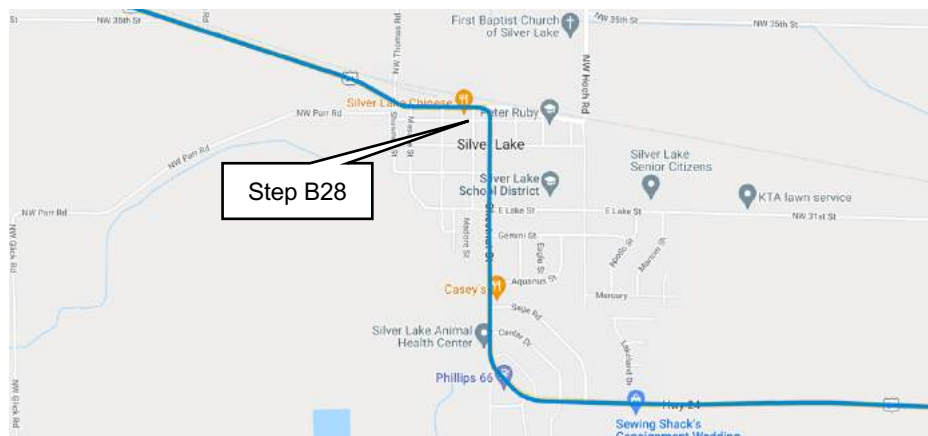
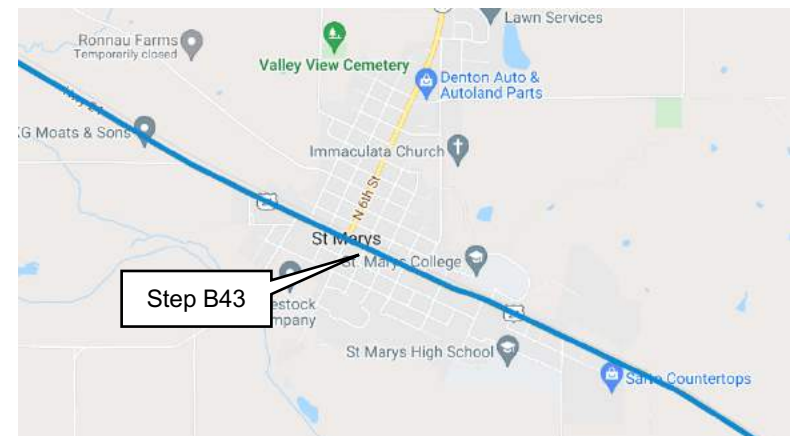
STAGE STOP:

Stuhr Museum of the Prairie Pioneer
3133 W US Hwy 34, Grand Island, NE 68801



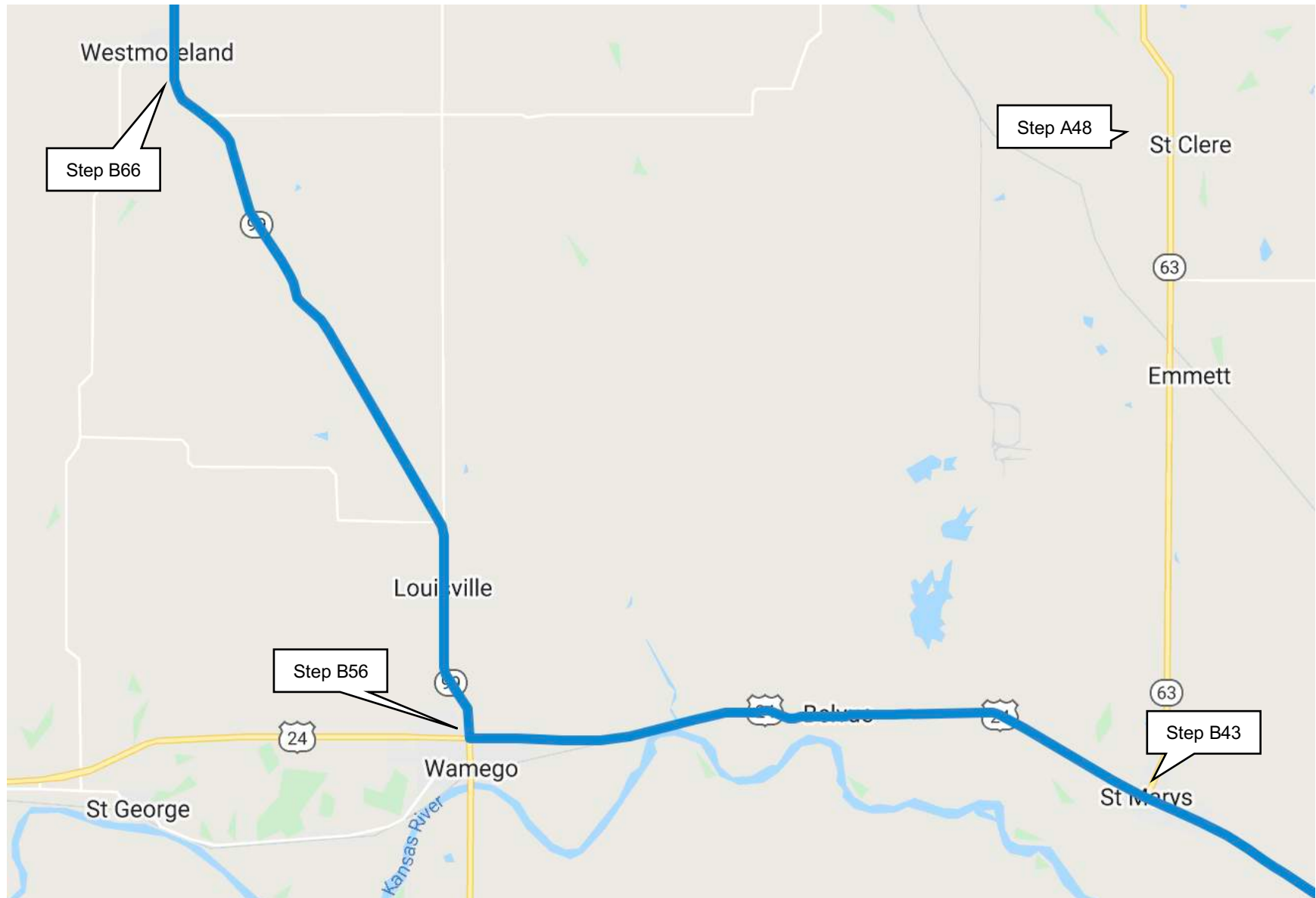
TOPEKA, KS – GRAND ISLAND, NE**Steps B1-B3****Steps B4-B5****Steps B15-B19**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 1	0.00		TURN RIGHT at Stop Sign onto SE 17th St					
B 2	0.10	0.10		SL onto S Kansas Ave	2	30	curb	
B 3	0.40	0.30	TURN RIGHT at SL onto SW Topeka Blvd			40		
B 4	0.80	0.40		3x SL for SW Huntoon St & SW 12th St Capital City of Kansas Sign	2	35	curb	
B 5	1.10	0.30		SL for SW 10th Ave				
B 6	1.30	0.20		SL for SW 8th Ave				
B 7	1.50	0.20		SL for SW 6th Ave				
B 8	1.60	0.10		SL for SW 5th St				
B 9	1.70	0.10		SL for SW 4th St				
B 10	1.80	0.10		SL for SW 3rd St	2	40	curb	
B 11	2.00	0.20		SL for W 1st St				
B 12	2.20	0.20		Cross Kansas River				
B 13	2.80	0.60		SL for NW Gordon St	2	35	curb	
B 14	2.90	0.10		SL for NW Morse St	2	40		
B 15	3.80	0.90		SL for NW Independence Ave				food
B 16	4.00	0.20		SL for NW Lyman Rd. The rightmost lane is an unmarked turn lane; continue straight				
B 17	4.10	0.10	CONTINUE STRAIGHT at US-24 W onramp	Note: Solar cars that are doing the Topeka checkpoint loop will be exiting right here, DO NOT FOLLOW THEM if you want to continue forward on the route to Grand Island				
B 18	4.30	0.20	TURN RIGHT immediately after the underpass onto the US-24 West on ramp towards Manhattan					
B 19	4.40	0.10	MERGE LEFT onto US-24 West	NOTE: No merging lane! Yield at the top of the ramp	2	45	paved / grass	
B 20	4.90	0.50		SL for NW Tyler St/NW Rochester Rd		55		

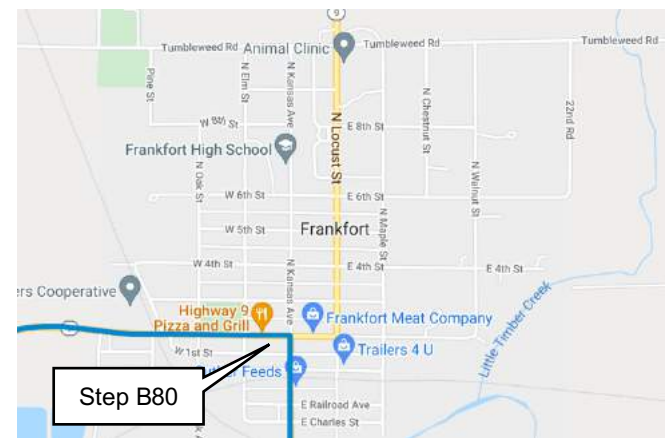
TOPEKA, KS – GRAND ISLAND, NE**Silver Lake Detail****St. Marys Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 21	5.50	0.60		BIG tires on right at the Goodyear plant		65	wide paved	
B 22	7.50	2.00		Junction with US-75				
B 23	9.80	2.30	MERGE RIGHT, left lane ends	Divided Hwy ends ahead	1	65	paved / gravel	
B 24	10.70	0.90		NW Landon Rd, radio tower on left				
B 25	14.40	3.70		Entering Silver Lake	1	45		fuel, food
B 26	14.60	0.20		Silver Lake City Limit		40		
B 27	15.10	0.50		Aquarius St		30		
B 28	15.60	0.50		Follow US-24 West as it curves sharply to the left		20		
B 29	15.80	0.20		Masche St		30		
B 30	15.90	0.10		"Rossville 5 miles"		45		
B 31	16.10	0.20			1	65	narrow paved	
B 32	18.30	2.20		Tree growing out the top of a grain silo on right				
B 33	20.30	2.00		Rossville City Limit		45		fuel, food
B 34	20.70	0.40				30		
B 35	21.00	0.30		Flashing Yellow for crosswalk				
B 36	21.30	0.30		Cross Creek		50		
B 37	21.50	0.20		NW Capper Rd	1	65	narrow paved	
B 38	26.50	5.00		Pottawatomie County Line				
B 39	27.40	0.90				45		
B 40	27.60	0.20		St. Marys City Limit		40		fuel, food
B 41	28.00	0.40		Hospital access to left. Cleveland Chiropractic on left		30		
B 42	28.10	0.10		Oregon Trail sign on right, Historical marker on left at St. Mary's Bears stone marker. (Just after St. Marys Welcome sign)			parking	

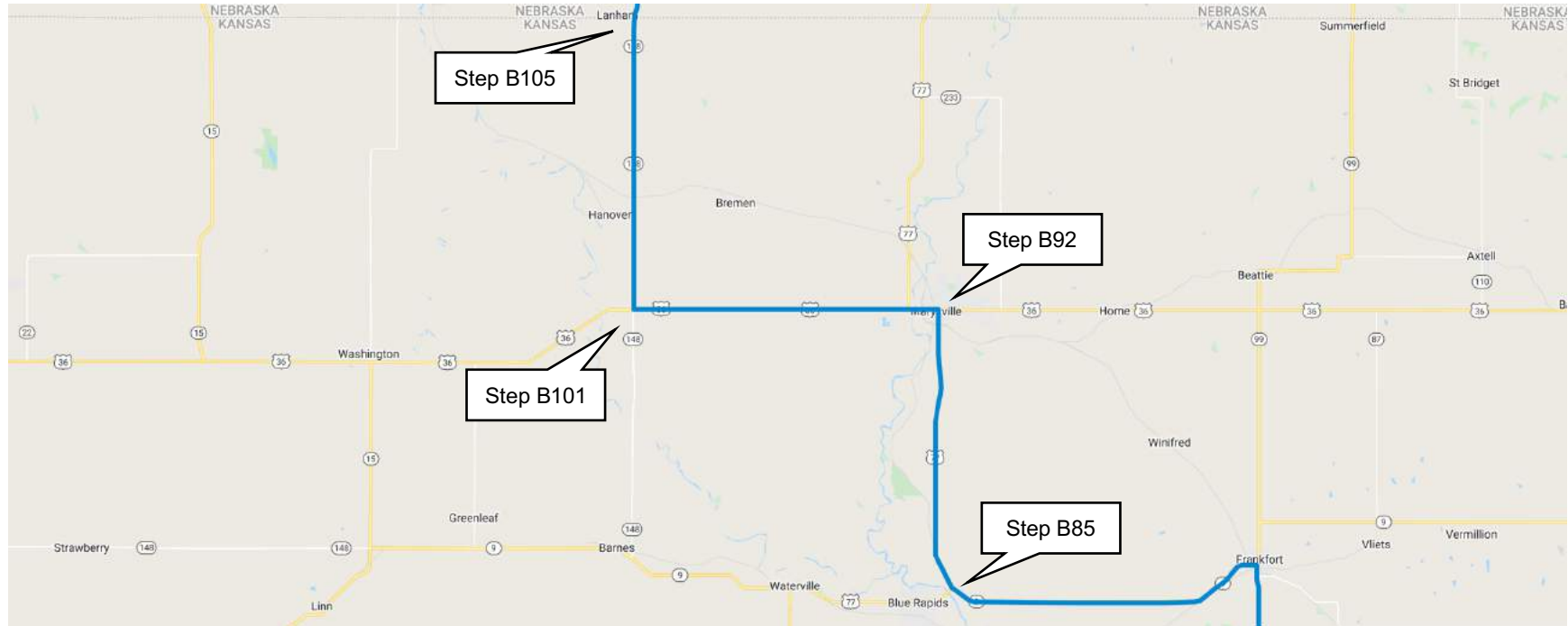
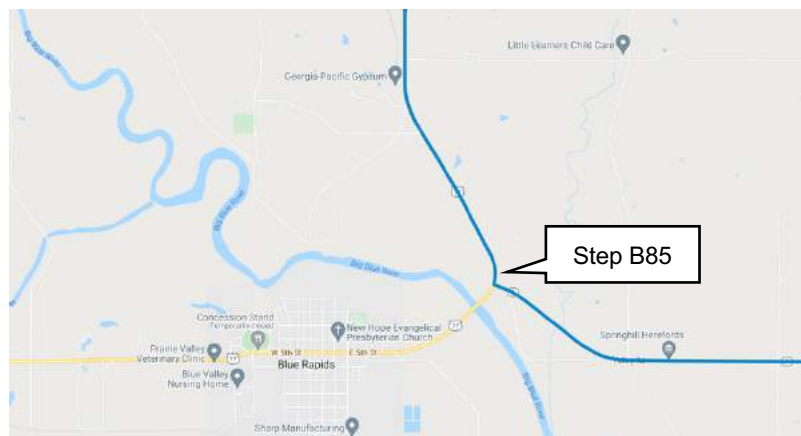
TOPEKA, KS – GRAND ISLAND, NE



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 43	28.40	0.30		4th St		20		
B 44	28.80	0.40		7th St		30		
B 45	28.90	0.10		After 9th St		45	grass	
B 46	29.10	0.20		Just before Pace Dr.		55		
B 47	29.40	0.30		Just after Darling Rd		65	narrow paved	
B 48	31.90	2.50		"Experience the Flint Hills" sign on right				
B 49	34.60	2.70		Welcome to Belvue Sharp reduction in speed limit, pay attention!		30		food
B 50	35.10	0.50		"Wamego 6 miles"	1	55		
B 51	35.40	0.30		Fulmer's Kansas Premium Meats on left		65		
B 52	37.90	2.50		Cross Vermillion River				
B 53	40.30	2.40		Speed change by a big single tree to the left		60		
B 54	40.60	0.30		Turnoff for Highland Comm College to left	2	60	wide paved	
B 55	41.30	0.70		Entering Wamego City Limit	2	40	curb	all
B 56	41.70	0.40	TURN RIGHT at the SL for KS-99 North/Lincoln Ave, following signs for the Oregon and California Trails auto tour	Follow KS-99 North (also called the Road to Oz Highway)	1	45	paved	
B 57	42.20	0.50		Say Rd	1	60	grass	
B 58	44.00	1.80		Entering Louisville		50	paved / gravel	none
B 59	44.80	0.80		"Westmoreland 11 miles"		65	gravel / grass	
B 60	45.80	1.00		Rock Creek High School turnoff				
B 61	48.80	3.00		Jct Marten Rd				
B 62	50.00	1.20		Jct Brush Creek Rd				
B 63	51.20	1.20		Jct Boxelder Rd				

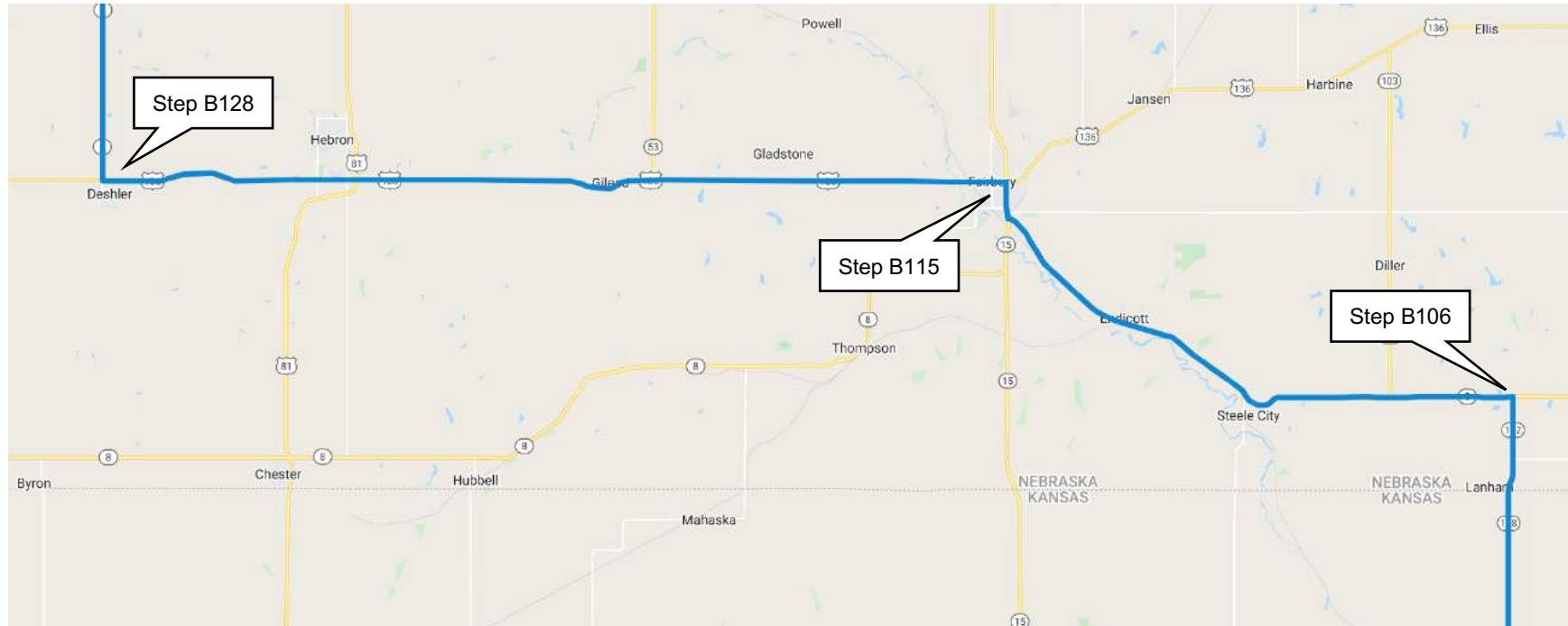
TOPEKA, KS – GRAND ISLAND, NE**Steps B77-B82****Frankfort Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 64	55.10	3.90		Historic marker and pulloff on left				
B 65	55.20	0.10		Oregon Trail Park at Scott Spring on right		55		
B 66	55.60	0.40		Entering Westmoreland				fuel, camping
B 67	55.80	0.20		Oregon Trail Dr (at Dutch Hollow Rd)		45		fuel
B 68	56.20	0.40		Oregon Trail RV park on left		50		
B 69	56.50	0.30			1	65	gravel / grass	
B 70	61.20	4.70		Pottawatomie State Fishing Lake on left			gravel / grass	
B 71	62.90	1.70	CONTINUE STRAIGHT to continue following KS-99 North	Jct KS-16 West, entering Blaine (unincorporated)				none
B 72	63.40	0.50		Jct KS-16 East				
B 73	68.00	4.60		Marshall County Line				
B 74	69.60	1.60		Cross Clear Fork Creek (no sign)				
B 75	70.50	0.90		Mount Hope Cemetary on right				
B 76	76.80	6.30		Junkyard on right ahead		50		
B 77	77.20	0.40		Frankfort City Limit, cross Black Vermillion River		30		food
B 78	77.40	0.20		RR Tracks - marked as "Rough Crossing" (single track)			parking	
B 79	77.50	0.10	CONTINUE STRAIGHT at junction with KS-9 East	All way Stop Sign				
B 80	77.60	0.10	TURN LEFT at Stop Sign onto 2nd St/KS-9 West, with signs for Oregon/California Trail Auto Tour		1	30		
B 81	77.90	0.30		RR Tracks (single track)			grass	
B 82	78.00	0.10		Utah Road		65		
B 83	81.70	3.70		18th Rd, "Waste Disposal Site 8mi"				
B 84	85.80	4.10		Signs for Tuttle Creek Wildlife Area to left				

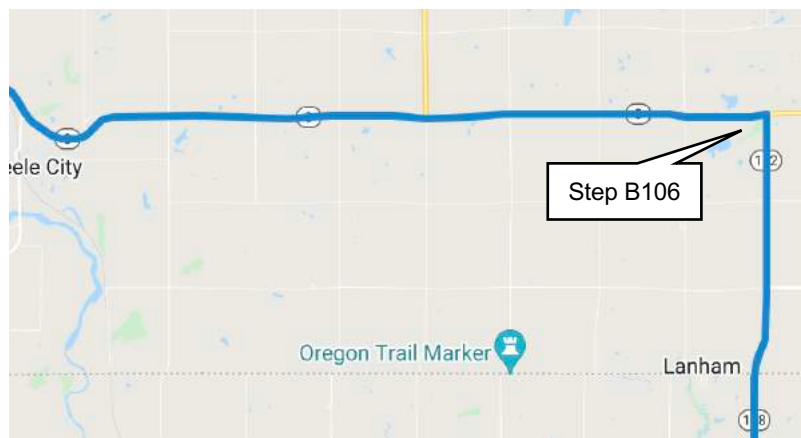
TOPEKA, KS – GRAND ISLAND, NE**Steps B85-B87****Marysville Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 85	89.80	4.00	TURN RIGHT at the Stop Sign onto US-77 North towards Marysville	3x rumble strips before SS. Signs for Oregon/California Trail Auto Tour Route after the turn	1	55	narrow paved	
B 86	90.20	0.40				65		
B 87	91.10	0.90		Temple Rd, Blue Rapids Mine & Plant on left				
B 88	94.10	3.00		Quiver Rd, radio tower on right				
B 89	97.40	3.30		Pass lake on right				
B 90	100.00	2.60		Bridge over Spring Creek and rail line		50		
B 91	100.10	0.10		Entering Marysville		30	parking curb	fuel, food
B 92	100.50	0.40	TURN LEFT at the SL for Center St/US-36 West	Follow US-36 West	1	30		
B 93	100.60	0.10		SL for N 8th St				
B 94	101.10	0.50		Bridge over rail and Big Blue River		45	paved	
B 95	101.50	0.40	CONTINUE STRAIGHT on US-36 West	Jct US-77		50		
B 96	101.80	0.30		Auto Tour sign	2	55	curb	lodging
B 97	102.30	0.50			2	65	wide paved	
B 98	102.50	0.20		Divided Hwy begins, Pony Express Hwy				
B 99	109.20	6.70		1st Rd, Washington County Line				
B 100	111.00	1.80	PREPARE for right turn in 1 mile	Big Bear Rd				
B 101	112.00	1.00	TURN RIGHT onto KS-148 N/All American Rd	Signs towards Hanover, Auto Tour route, and Pony Express Station	1	60	narrow gravel	fuel
B 102	115.50	3.50		Jct KS-234 W, access to Hanover at left				fuel
B 103	116.00	0.50		Jct KS-243 E, Pony Express Station one mile away to the right				
B 104	116.20	0.20		RR Tracks			grass / ditch	

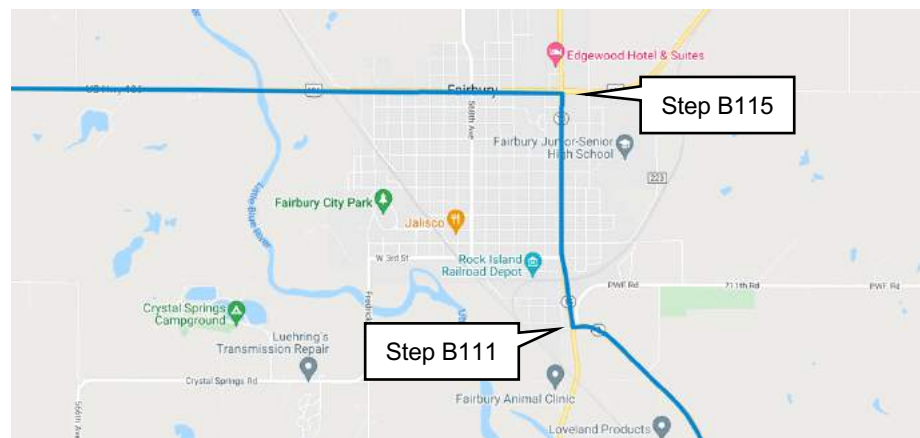
TOPEKA, KS – GRAND ISLAND, NE



Steps B106-B109

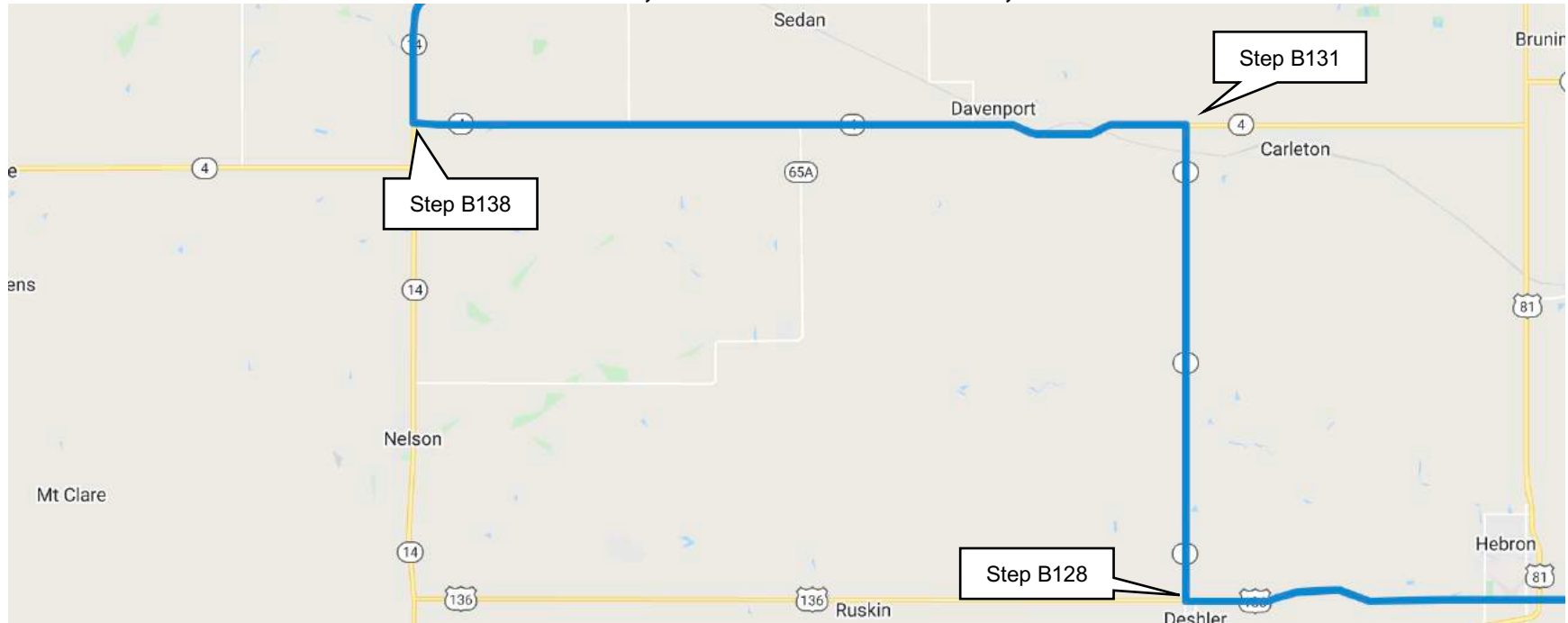


Fairbury Detail

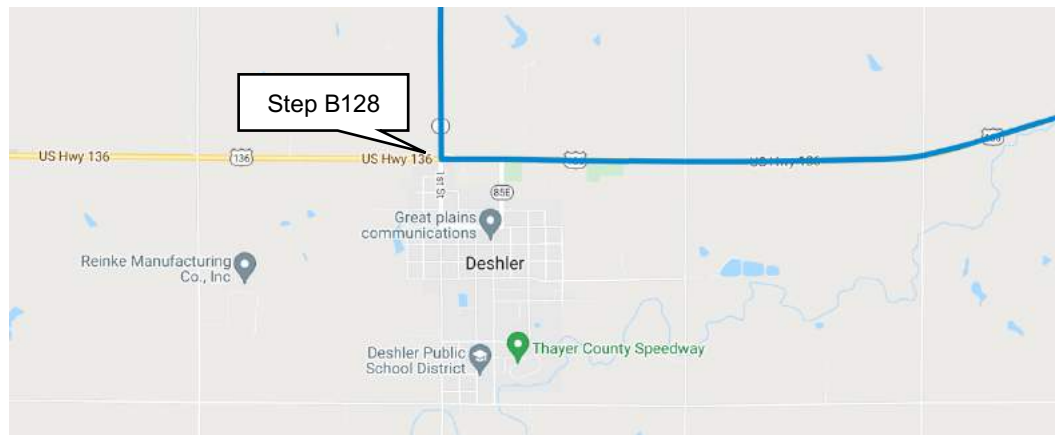


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 105	123.00	6.80	CONTINUE STRAIGHT onto NE-112	Welcome to Nebraska Wind turbines ahead on left	1	65	grass	
B 106	126.10	3.10	TURN LEFT at Stop Sign onto NE-8 West towards Superior		1	65	grass	
B 107	129.10	3.00		Entering Jefferson County, wind turbines on both sides				
B 108	130.00	0.90		Jct NE-103		60		
B 109	135.00	5.00		Jct NE-48A Spur, access to Steele City to left	1	60	grass	none
B 110	139.70	4.70		Entering Endicott (Pop 182)				none
B 111	144.90	5.20	TURN RIGHT at the stop sign onto NE-15 North towards Fairbury	Entering Fairbury (Pop 1392), 2x rumble strips approaching SS	1	35	paved	
B 112	145.20	0.30		3rd St		25	curb	
B 113	145.70	0.50		SL for school crossing just after 9th St				
B 114	145.90	0.20		11th St		35		
B 115	146.10	0.20	TURN LEFT at SL for US-136 and 14th St	Unprotected left. Follow US-136 West	2	35	curb	all
B 116	147.00	0.90	MERGE LEFT - right lane ends	Elm St	1	45	paved	
B 117	147.40	0.40		Just before the bridge		65		
B 118	147.70	0.30		Bridge over Little Blue River				
B 119	153.60	5.90		561st Ave, spherical blue water tower on right "Little Blue NRD" Signs for Gladstone, 1 mile to right			grass	
B 120	156.70	3.10		Entering Thayer County				
B 121	157.60	0.90		Jct NE-53				
B 122	159.10	1.50		Entering Gilead (Pop 39)	1	65	grass	
B 123	161.10	2.00		Road 6900, microwave relay tower on left				
B 124	167.40	6.30	CONTINUE STRAIGHT at the Stop Sign for US-81	USE CAUTION! US-81 is 4-lane divided and cross traffic does not stop!			paved narrow	
B 125	168.20	0.80		Hebron Municipal Airport on right			grass	
B 126	173.70	5.50		Historic marker for Friedensau on left				

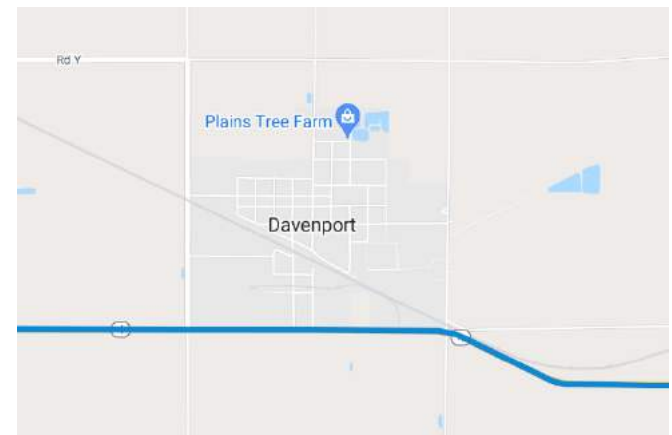
TOPEKA, KS – GRAND ISLAND, NE



Deshler Detail

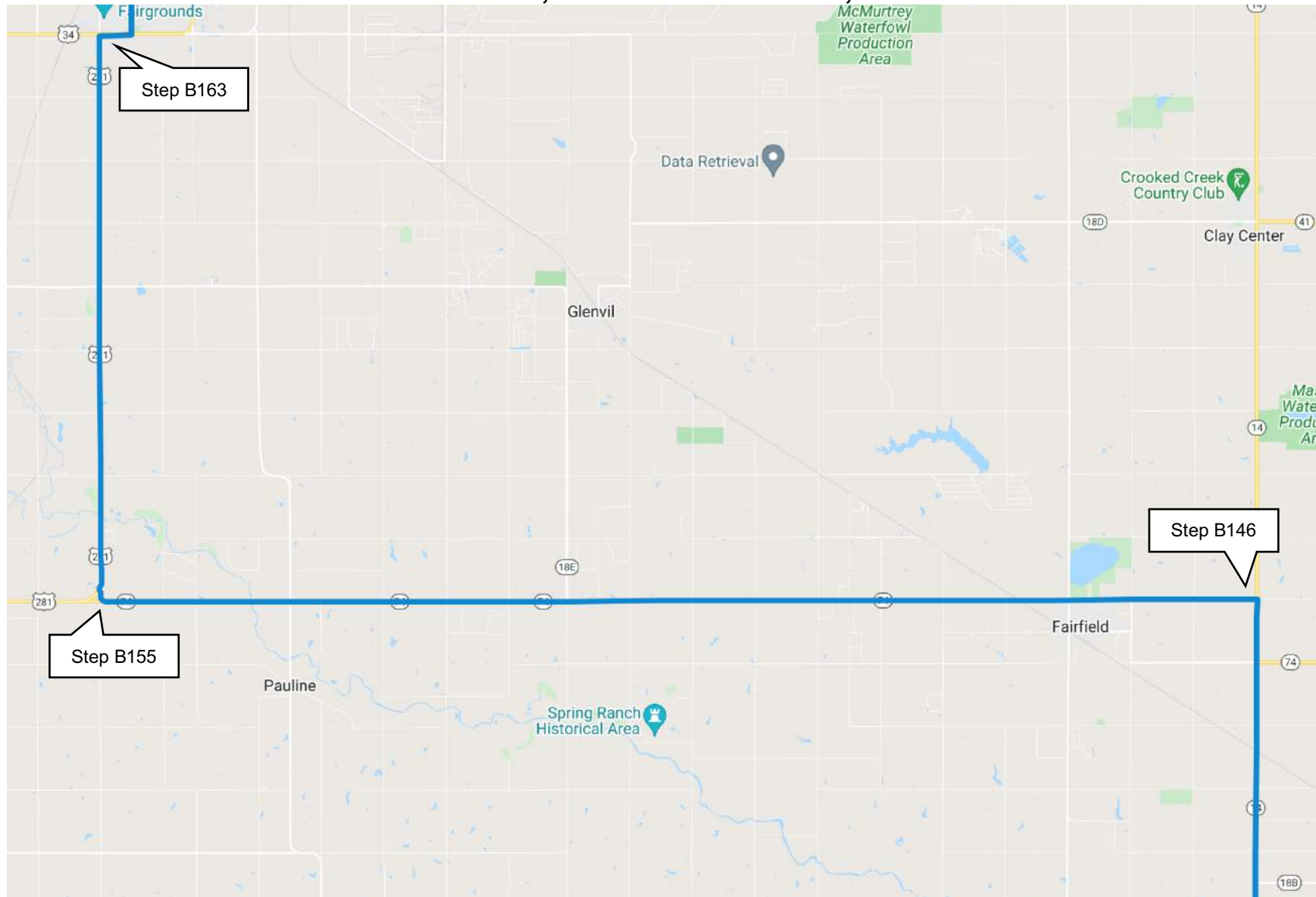


Davenport Detail

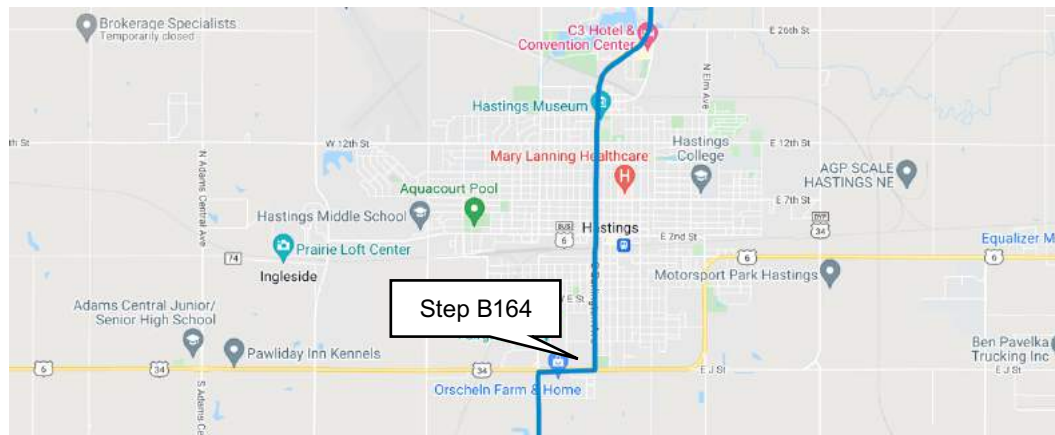
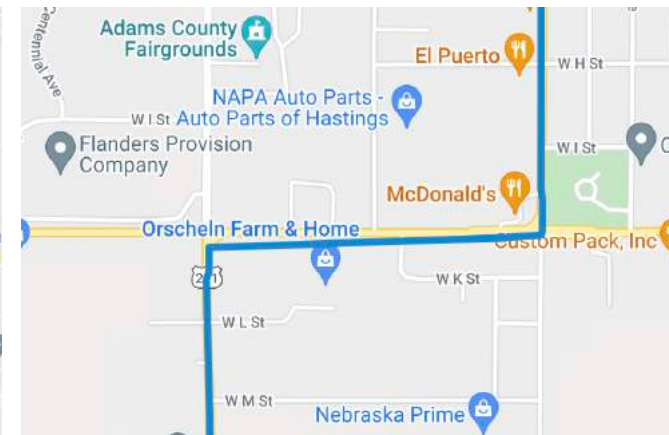


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 127	175.30	1.60		Entering Deshler		55		
B 128	175.70	0.40	TURN RIGHT onto NE-5 North PAY ATTENTION! NO STOP SIGN OR SL! NO TURN LANE. EASY TO MISS.	Picnic area on the right immediately before the turn.	1	65	grass	fuel
B 129	180.20	4.50		Bridge over Little Blue River metal grate surface				
B 130	186.20	6.00		RR Tracks, 2 tracks, Big Sandy Creek ahead				
B 131	186.80	0.60	TURN LEFT at Stop Sign onto NE-4 West toward Davenport		1	65	grass	
B 132	188.80	2.00		RR Tracks, rough tracks warning (45 mph suggested)				
B 133	191.10	2.30		Large yellow gantry crane on right. Davenport (Pop 294)				none
B 134	191.80	0.70		Entering Nuckolls County				
B 135	195.90	4.10		Jct NE-65A Spur towards Oak				
B 136	199.90	4.00		Access to Edgar and Agnus via Rd 4100				
B 137	203.90	4.00		Cross Little Blue River, no sign				
B 138	204.90	1.00	TURN RIGHT at Stop Sign onto NE-14 North towards Clay Center	USE CAUTION! Cross traffic does not stop!	1	65	paved	
B 139	206.50	1.60		Historical marker for 1864 Indian Raids with pulloff on left, cross Little Blue River				
B 140	207.60	1.10		Historical marker for Oregon Trail with pulloff on left				
B 141	208.10	0.50		Entering Clay County				
B 142	209.30	1.20		Jct NE-18C Spur on left, access to Deweese				
B 143	209.80	0.50		Jct NE-18B Spur on right, access to Edgar. Historical marker on left	1	65	paved	
B 144	211.90	2.10		Overpass over RR tracks				

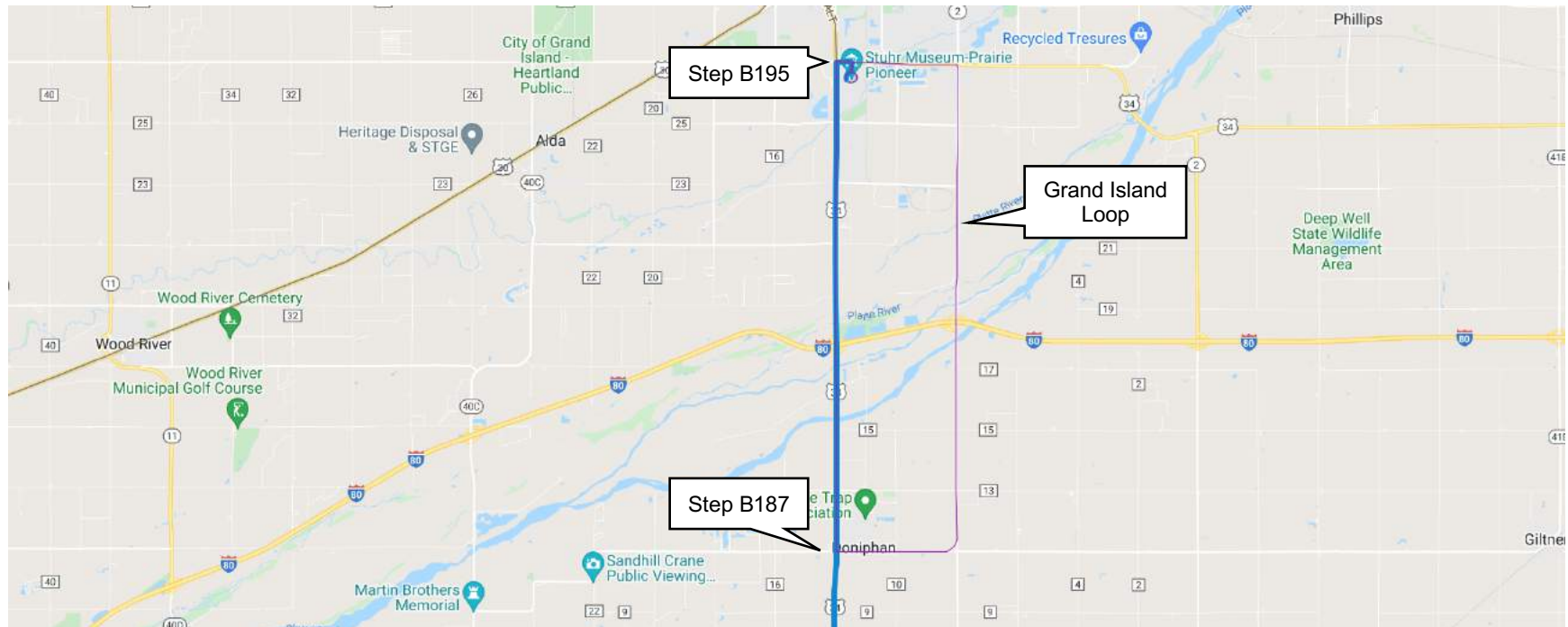
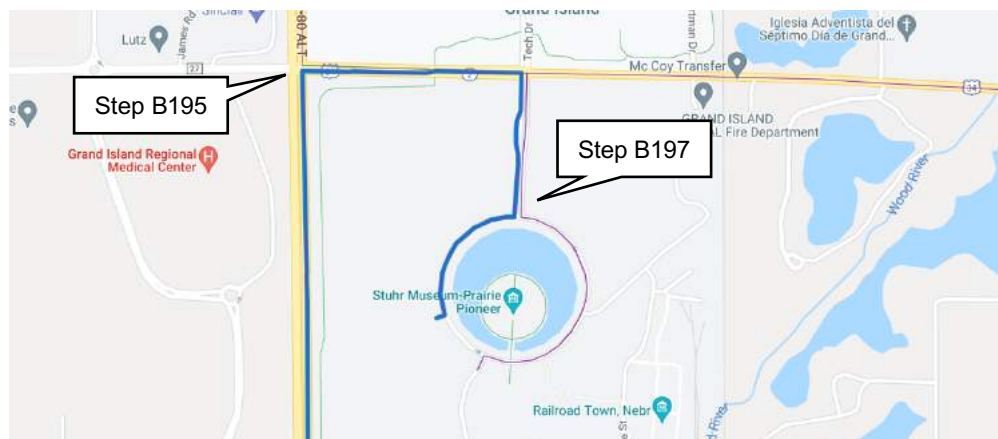
TOPEKA, KS – GRAND ISLAND, NE



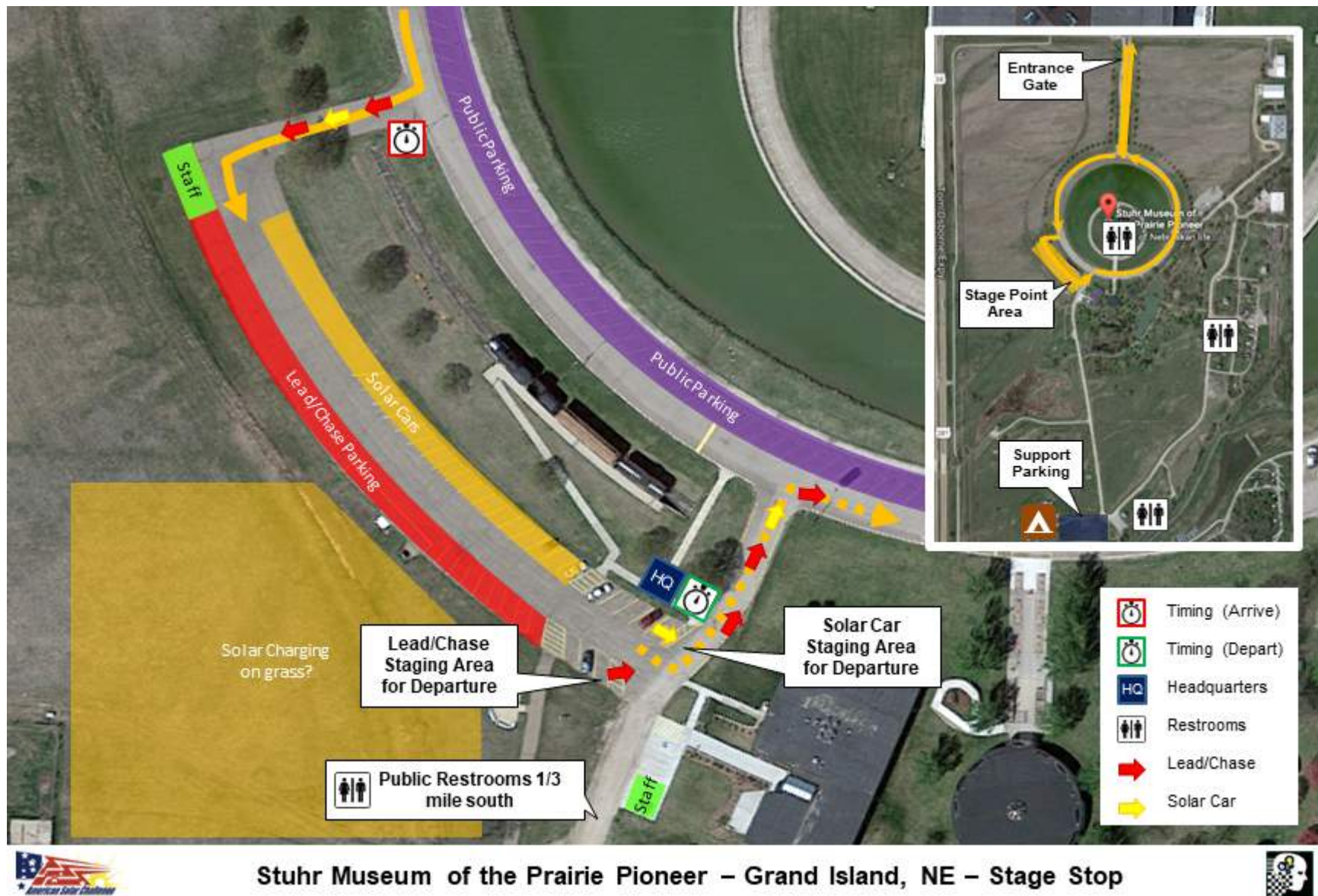
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 145	213.30	1.40		Jct NE-74 East on right, access to Shickley				
B 146	214.30	1.00	TURN LEFT onto NE-74 West towards Fairfield PAY ATTENTION! NO STOP SIGN OR SL! NO TURN LANE. EASY TO MISS.	Sandy Creek School on left before the turn	1	65	grass	
B 147	216.50	2.20		Entering Fairfield (Pop 467)				none
B 148	218.10	1.60		RR Tracks - 2 tracks at 45° marked as "Rough Crossing"				
B 149	225.30	7.20		Jct NE-18E Spur on right, access to Glenville				
B 150	226.20	0.90		Entering Adams County				
B 151	229.70	3.50		Showboat Blvd, "Pauline 2 miles via County Road", historic marker pulloff on left afterward				
B 152	230.30	0.60		Cross Little Blue River				
B 153	231.10	0.80		Pulloff on right for historic marker for Kingston Cemetery				
B 154	232.60	1.50	EXIT RIGHT onto US-281 North PAY ATTENTION! NO STOP SIGN OR SL! EASY TO MISS	Large antenna ahead on right				
B 155	232.90	0.30	TURN RIGHT at Stop Sign onto US-281 North		1	65	rough paved	
B 156	233.50	0.60		Blue Valley Cemetery on right with white fence				
B 157	233.70	0.20		Dyer Park Rd Historical marker				
B 158	234.00	0.30		Cross Little Blue River				
B 159	235.60	1.60		W Saddlehorn Rd Historical marker on left				
B 160	237.60	2.00		W Assumption Rd				
B 161	237.90	0.30		Smoother pavement and shoulder	1	65	paved	
B 162	241.40	3.50		Entering Hastings (Pop 12,407)		45		all

TOPEKA, KS – GRAND ISLAND, NE**Hastings Detail****Steps B163-B164**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 163	241.60	0.20	TURN RIGHT at the SL for J St/Hwy 6 to follow US-281 North/US-34 East		2	40	curb	
B 164	242.20	0.60	TURN LEFT at the SL for Burlington Ave to follow US-281 and US-34		2	40	curb	
B 165	242.50	0.30			2	35	curb	
B 166	242.90	0.40						
B 167	243.10	0.20		SL for B St		30		
B 168	243.20	0.10		SL for South St just before the underpass		25		
B 169	243.40	0.20		SL for 2nd St				
B 170	243.50	0.10		SL for 3rd St		30		
B 171	243.70	0.20		SL for 7th St		35		
B 172	244.00	0.30		SL for 9th St		35		
B 173	244.20	0.20		SL for 12th St				
B 174	244.50	0.30	CONTINUE STRAIGHT following signs for US-281 North and US-34 East	SL for 14th St				
B 175	244.60	0.10		SL for 16th St				
B 176	244.80	0.20		Bridge over rail yard, sign for Tom Osbourne Expressway		45		
B 177	245.20	0.40		SL for Kansas Ave	2	45	rough paved	
B 178	245.60	0.40		SL for North Shore Dr				
B 179	245.90	0.30		SL for 33rd St				
B 180	246.40	0.50		SL for 42nd St				
B 181	246.60	0.20			2	55	paved	
B 182	247.40	0.80		E Lochland Rd		65		
B 183	247.50	0.10			2	70	paved	
B 184	250.40	2.90		Jct NE-1D Spur on right towards Trumbull				
B 185	251.40	1.00		Entering Hall County				

TOPEKA, KS – GRAND ISLAND, NE**Final Approach to Grand Island Stage Stop****Grand Island Stage Stop**

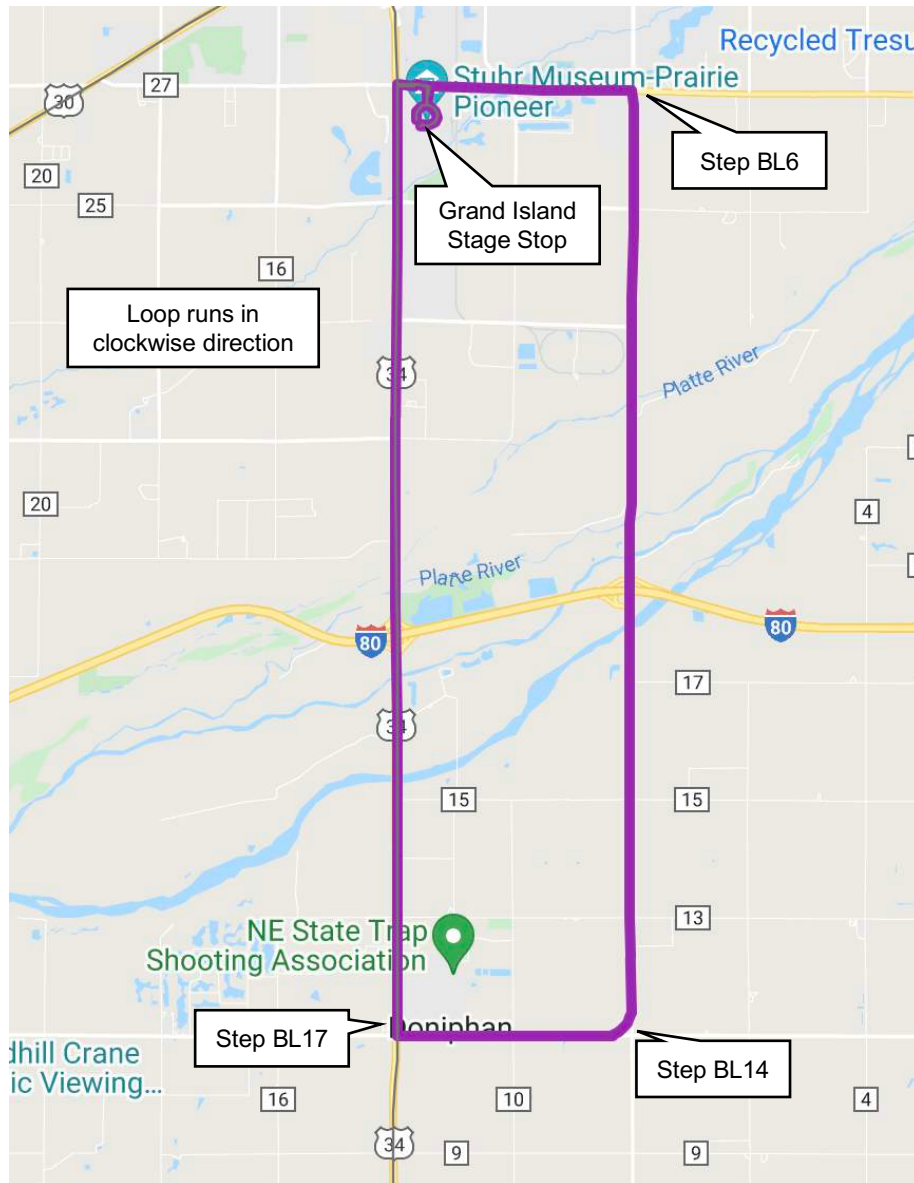
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 186	256.10	4.70		Speed limit change before the SL ahead		60		
B 187	256.50	0.40		SL for W Platte River Rd/Giltner Rd. Doniphan water tower on right NOTE: Solar cars doing the Grand Island Loop will be re-entering the main solar car route from the right. Speed changes at ball field on right.				
B 188	256.80	0.30			2	70	paved	
B 189	258.50	1.70		Cross the Platte River (South Channel)				
B 190	259.10	0.60				60		
B 191	259.70	0.60		Jct I-80 ahead, watch for merging traffic from the right				
B 192	260.70	1.00		SL for Wood River Rd, large truckstop at left				
B 193	262.40	1.70		Grand Island City Limit (Pop 48,520)				all
B 194	263.80	1.40				55		
B 195	264.60	0.80	TURN RIGHT at the SL for Husker Hwy/US-34		1	45	paved	
B 196	264.80	0.20	TURN RIGHT into the Stuhr Museum of the Prairie Pioneer	There is a turn lane		15		
B 197	265.00	0.20	TURN RIGHT onto the roundabout					
B 198	265.20	0.20	TURN RIGHT into the parking lot for the checkpoint	Follow staff directions				



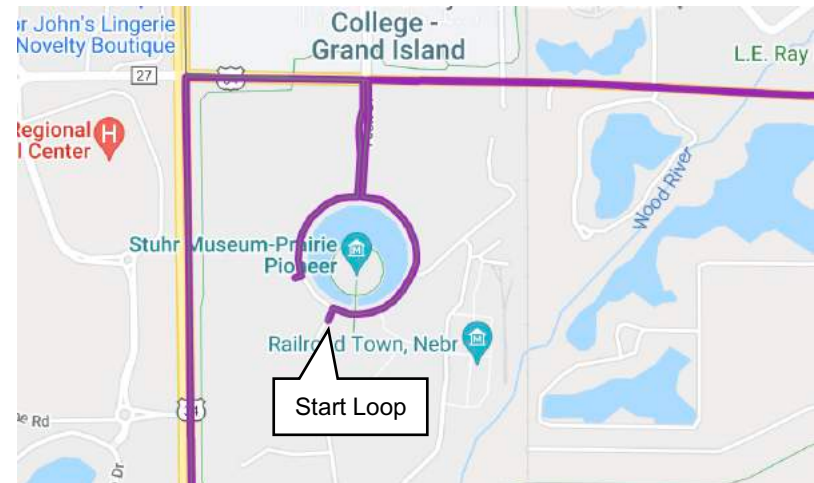
STAGE 1
OPTIONAL LOOP
(SEGMENT B LOOP)
GRAND ISLAND

AMERICAN SOLAR CHALLENGE 2022

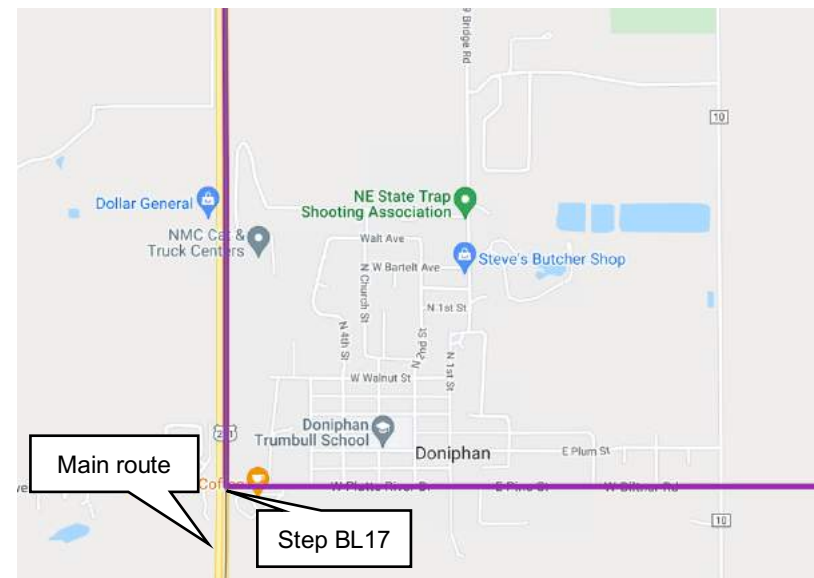
GRAND ISLAND OPTIONAL LOOP



Stage Stop Detail

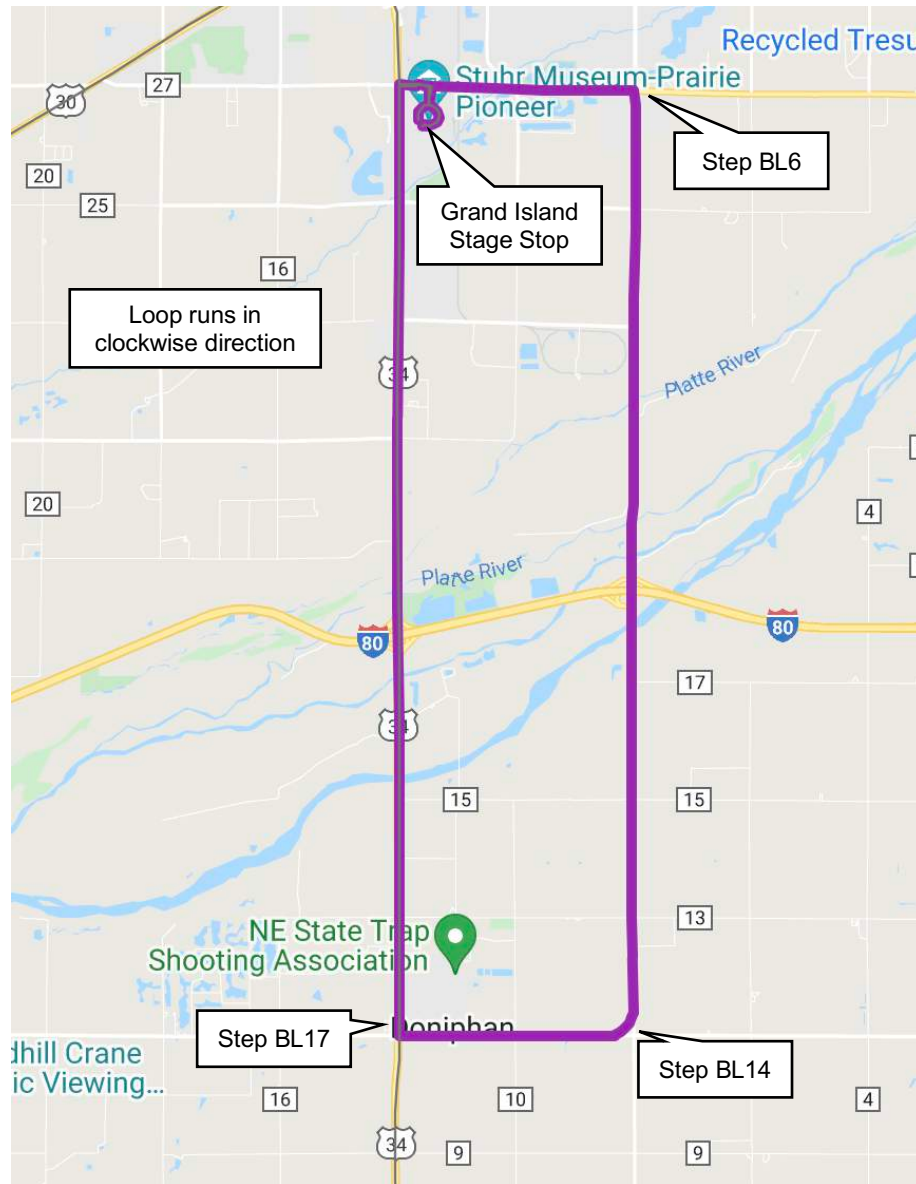


Doniphan Detail

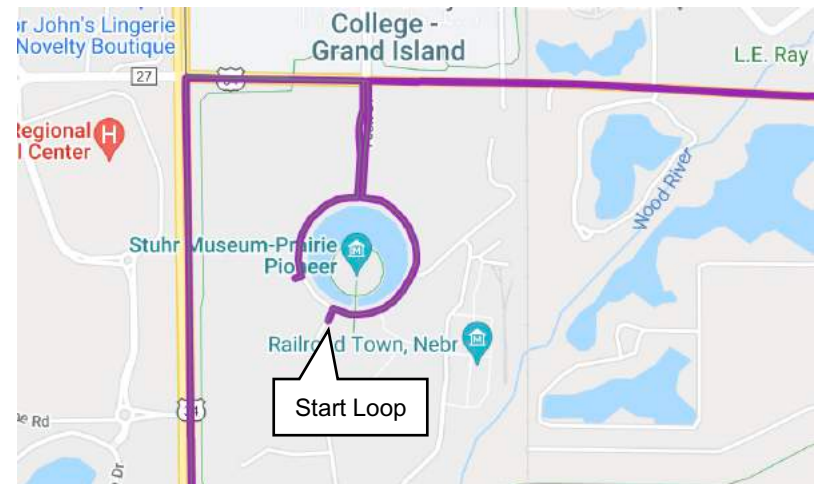


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 1	0.00		TURN RIGHT to follow roundabout to exit		1	15	paved	
BL 2	0.30	0.30	TURN RIGHT towards exit					
BL 3	0.50	0.20	TURN RIGHT at Stop Sign onto Husker Hwy/US-34 Eastbound		1	45	paved	
BL 4	0.70	0.20		RR track		50		
BL 5	1.90	1.20		Just before De Ann Rd	2	45		
BL 6	2.20	0.30	TURN RIGHT at the SL for S Locust St		2	45	curb	
BL 7	2.30	0.10		SL for Lake St, Walmart on left				
BL 8	3.00	0.70			2	65	paved	
BL 9	4.20	1.20		Wildwood Dr, Platte Generating Station on right				
BL 10	4.80	0.60		Cross Middle Channel Platte River				
BL 11	5.70	0.90	MERGE LEFT - right lane is I-80 East ONLY at the top of the overpass in 1/2 mile	Begin crossing South Channel Platte River (small sub-channel, easy to miss)	2	55	paved	
BL 12	6.30	0.60	CONTINUE STRAIGHT on Locust St	Jct I-80 (exit 314), right lane is exit only	1	55	grass	
BL 13	6.70	0.40		Cross South Channel Platte River				
BL 14	10.10	3.40	FOLLOW the road as it curves 90 degrees to the right, now on Giltner Rd	Big red barns ahead on right				
BL 15	11.20	1.10		Entering Giltner , Jct Blaine St		45		none
BL 16	11.40	0.20		South St		30	parking	
BL 17	12.10	0.70	TURN RIGHT at SL onto US-281/US-34	Join base route at Step B 187	2	60	paved	
BL 18	12.40	0.30			2	70	paved	
BL 19	14.20	1.80		Cross the Platte River (South Channel)				
BL 20	14.80	0.60				60		
BL 21	15.30	0.50		Jct I-80 ahead, watch for merging traffic from the right				
BL 22	16.30	1.00		SL for Wood River Rd, large truckstop at right				

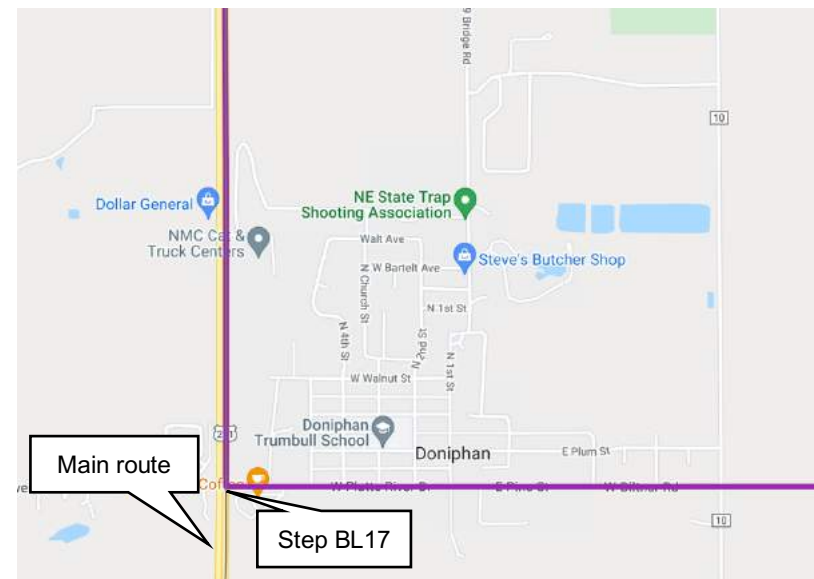
GRAND ISLAND OPTIONAL LOOP



Stage Stop Detail



Doniphan Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 23	18.00	1.70		Grand Island City Limit (Pop 48,520)				all
BL 24	19.40	1.40				55		
BL 25	20.40	1.00	TURN RIGHT at the SL for Husker Hwy/US-34		1	45	paved	
BL 26	20.60	0.20	TURN RIGHT into the Stuhr Museum of the Prairie Pioneer	There is a turn lane		15		
BL 27	20.80	0.20	TURN RIGHT onto the roundabout					
BL 28	21.00	0.20	TURN RIGHT into the parking lot for the Stage Stop	Follow staff directions				

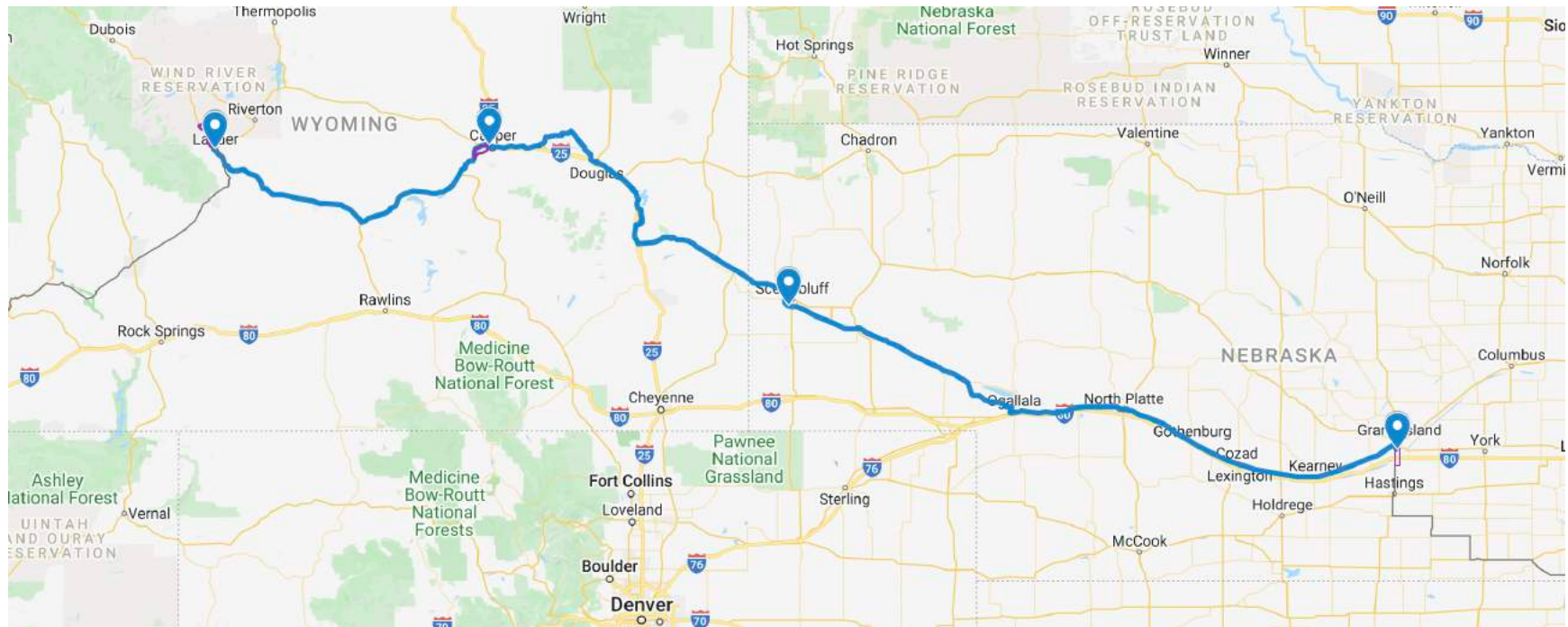
STAGE 2

2022 AMERICAN SOLAR CHALLENGE

Grand Island, NE – Lander, WY July 11 – 13

Time Zone	Mountain Time (24 Hour Format)	* 1hr Ahead of Local Time	
Stage Start	Stuhr Museum of the Prairie Pioneer 3133 W US Hwy 34, Grand Island, NE 68801	Nominal Start Time	8:00, July 11 * (9:00 local)
Checkpoint	Scotts Bluff National Monument 190276 Old Oregon Trail, Gering, NE 69341 Mandatory Hold Time: 45 Minutes	Open Time	13:00, July 11
		Driving Resumption Time	10:45, July 12
		Close Time	11:30, July 12
Checkpoint	National Historic Trails Interpretive Center 1501 N Poplar St, Casper, WY 82601 Mandatory Hold Time: 45 Minutes	Open Time	17:15, July 11
		Driving Resumption Time	10:30, July 13
		Earliest Release Time	11:15, July 13
		Close Time	11:15, July 13
Optional Loop	Casper Loop	Loop Close Time	11:30, July 13
Stage Finish	Fremont County Pioneer Museum 1443 W Main St, Lander, WY 82520	Open Time	13:30, July 13
		Nominal Close Time	18:00, July 13
Optional Loop	Lander Loop		

STAGE 2 ROUTE OVERVIEW



Segment C	Base Leg C	Grand Island, NE – Gering, NE	311.2 miles
Segment D	Base Leg D	Gering, NE – Casper, WY	198.3 miles
	Optional Loop DL	Casper Loop	20.8 miles
Segment E	Base Leg E	Casper, WY – Lander, WY	156.4 miles
	Optional Loop EL	Lander Loop	33.4 miles

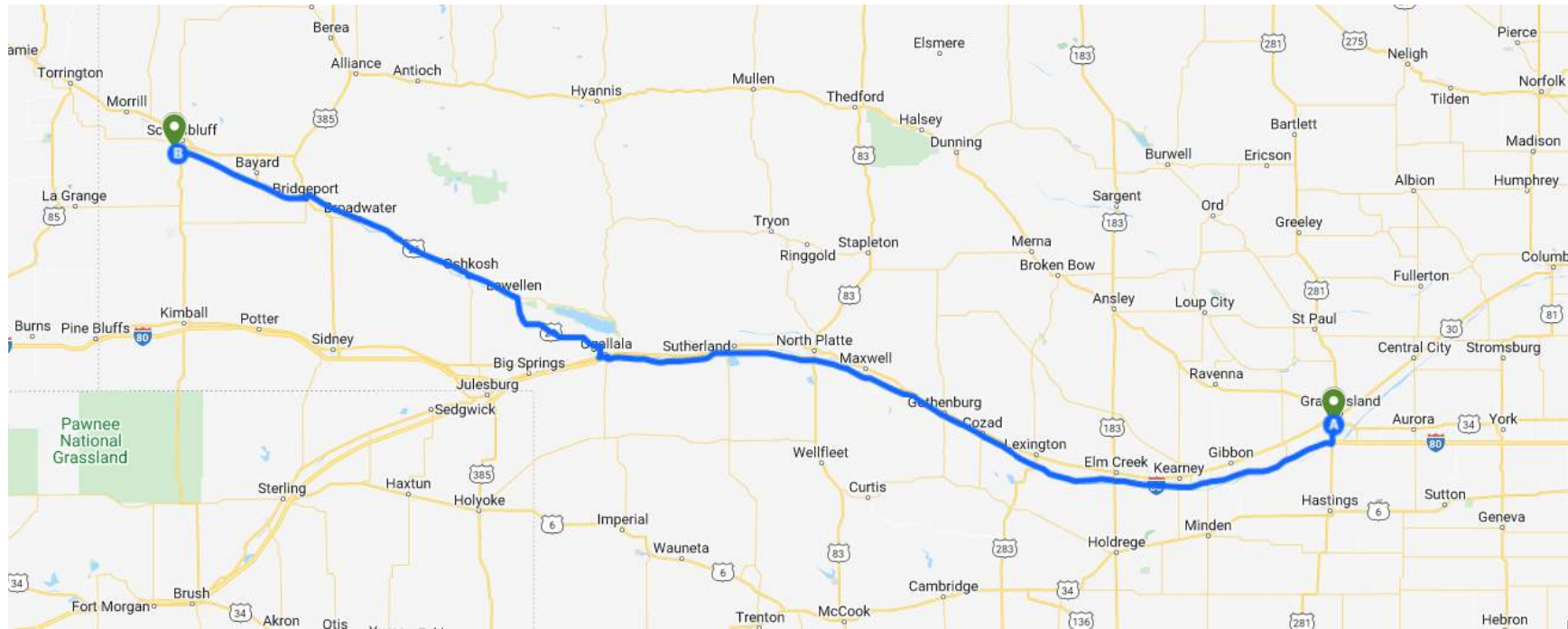
STAGE 2 SEGMENT C

AMERICAN SOLAR CHALLENGE 2022

Grand Island, NE – Gering, NE

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

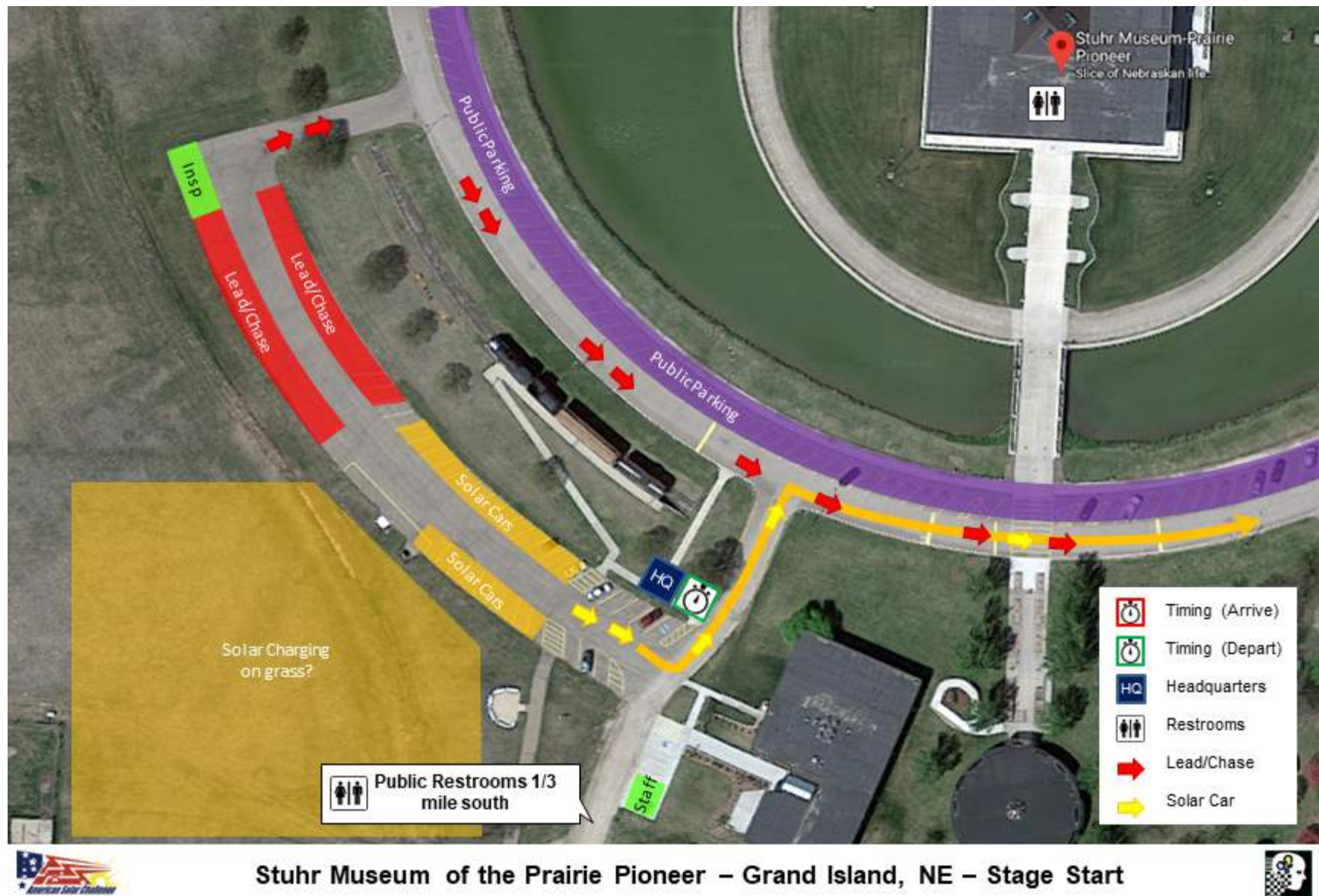
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	TURN RIGHT to follow roundabout to exit	
0.3 mi	TURN RIGHT towards exit	
0.2 mi	TURN LEFT at Stop Sign onto Husker Hwy/US-34 Eastbound	
0.3 mi	TURN LEFT at SL to follow US-34 W/US-281 S/I-80 ALT/Tom Osborne Expy	
4.5 mi	Take on ramp to I-80 W	
0.5 mi	Merge onto I-80 W	
184 mi	TAKE EXIT 126 for US-26 W/NE-61 toward Ogallala	
0.3 mi	TURN RIGHT onto NE-61/US-26 W	
0.7 mi	TURN LEFT onto US-26 E/US-30 W/E 1 st St/I-80 ALT	Join solar car route
2.0 mi	TURN RIGHT onto US-26 W	
3.1 mi	TURN LEFT onto US-26 E	
82.4 mi	TURN LEFT onto US-26/US-385 S/Gold Rush Byway	
34 mi	TURN RIGHT into the Legacy of the Plains Museum	

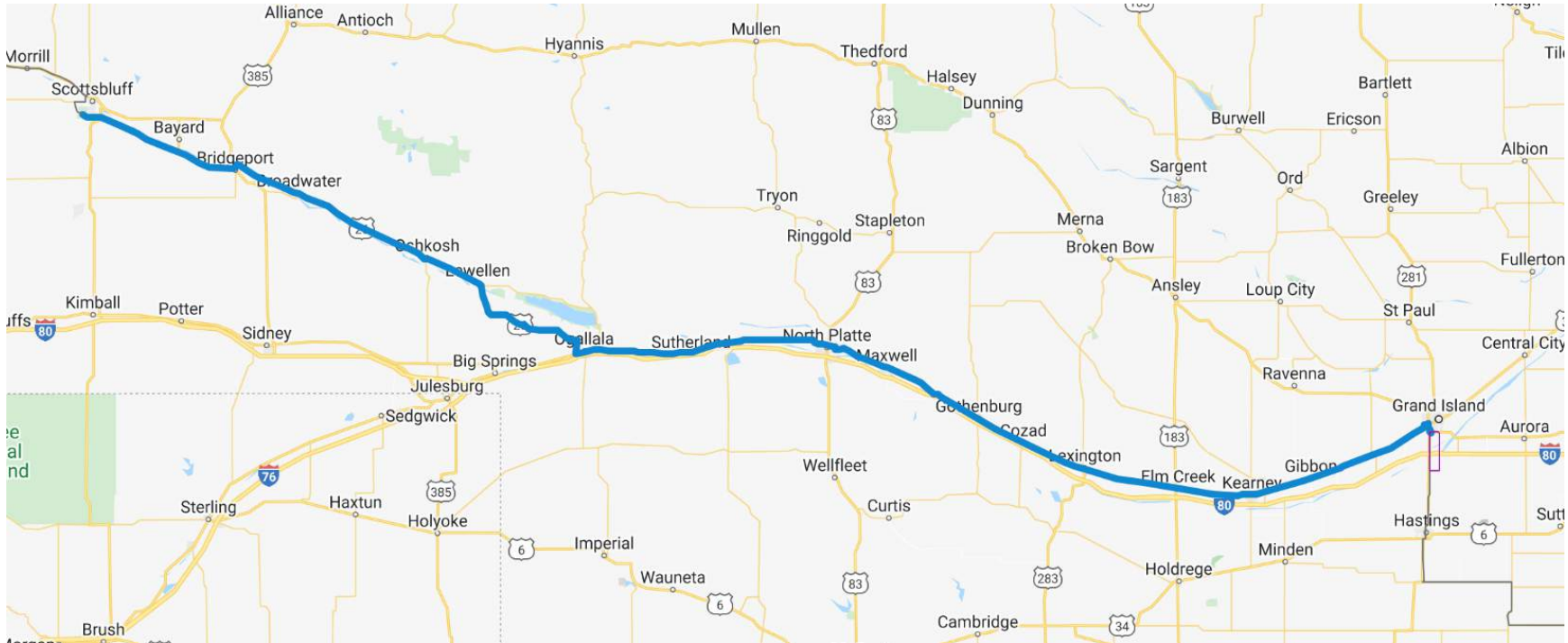
Approx. 312 miles (4 hr, 53 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY



SOLAR CAR ROUTE OVERVIEW

GRAND ISLAND, NE – GERING, NE



GRAND ISLAND, NE – GERING, NE

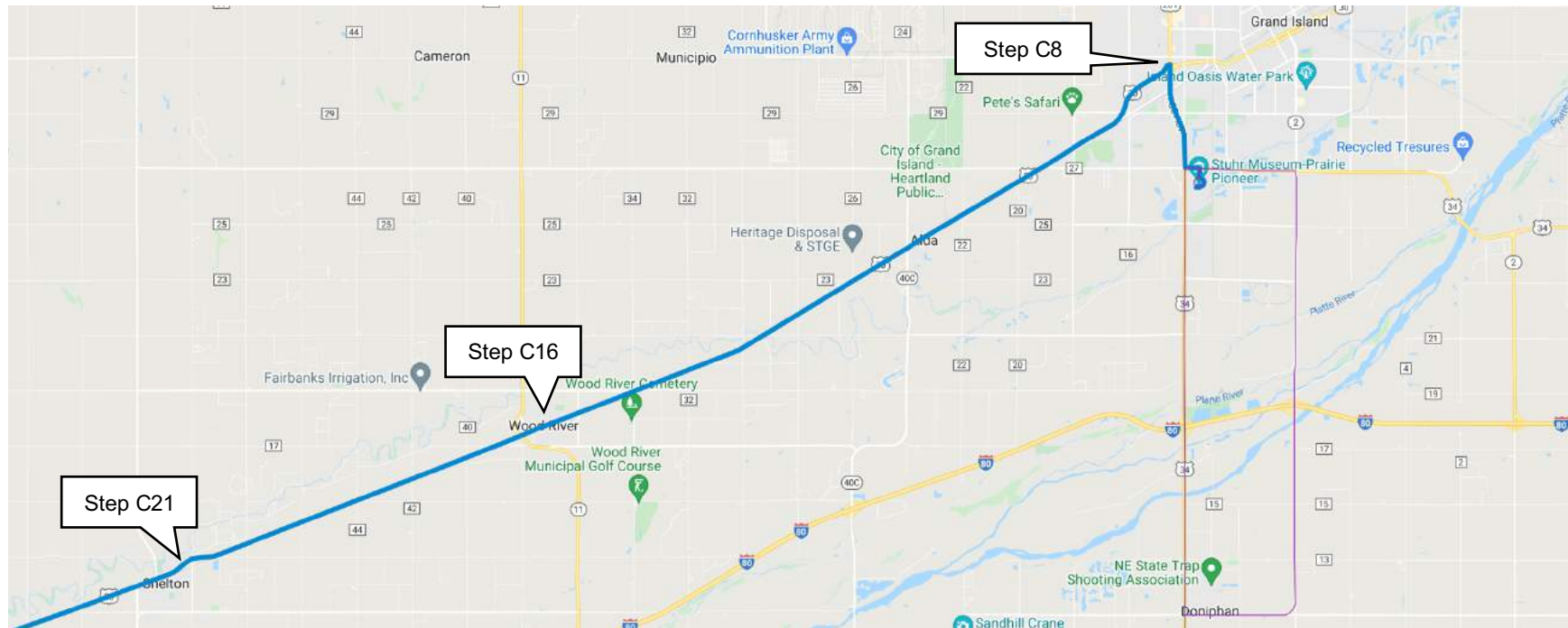
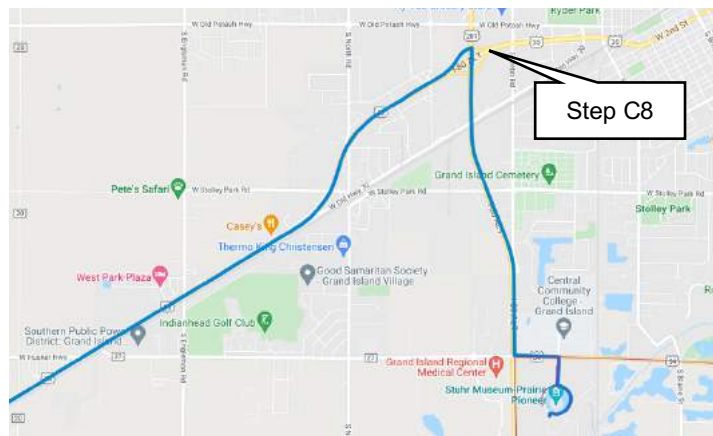
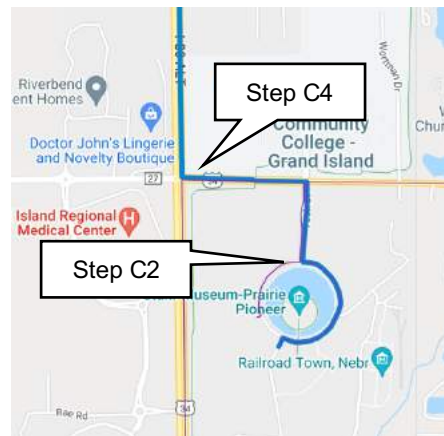
STAGE START:

Stuhr Museum of the Prairie Pioneer
3133 W US Hwy 34, Grand Island, NE 68801

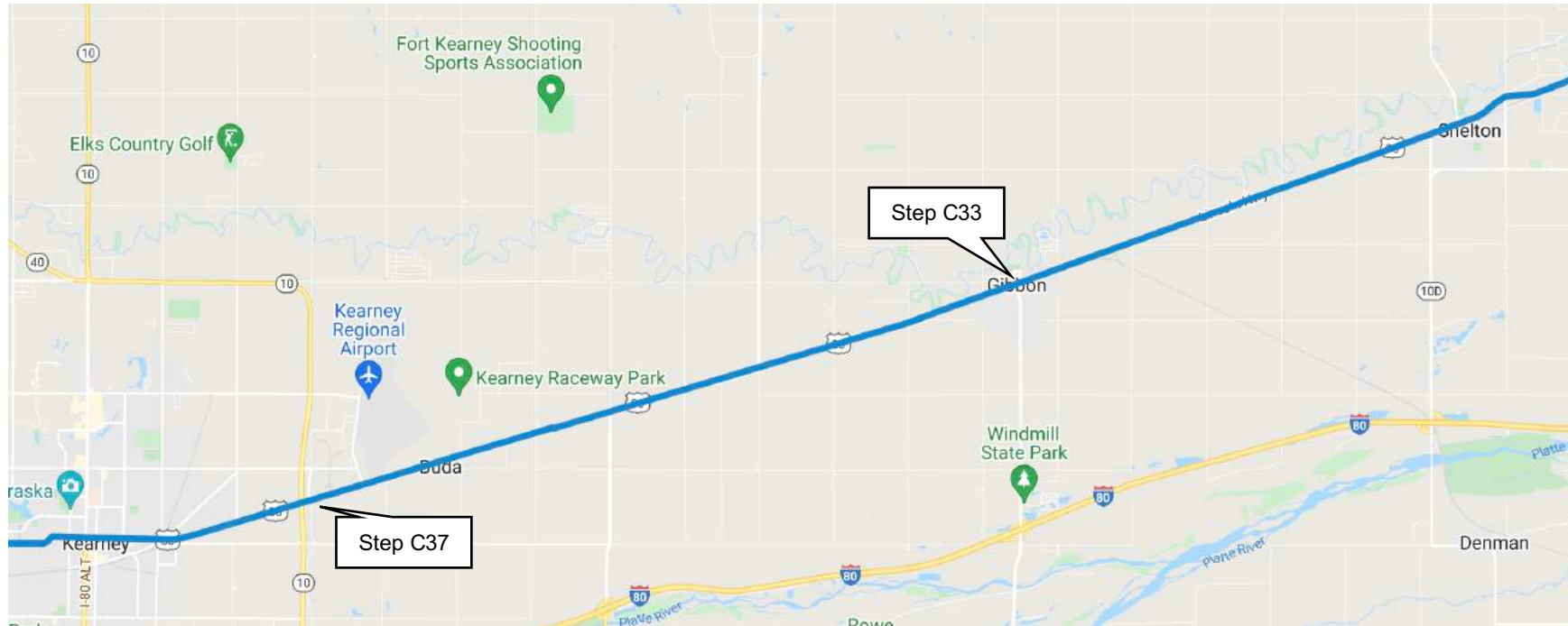
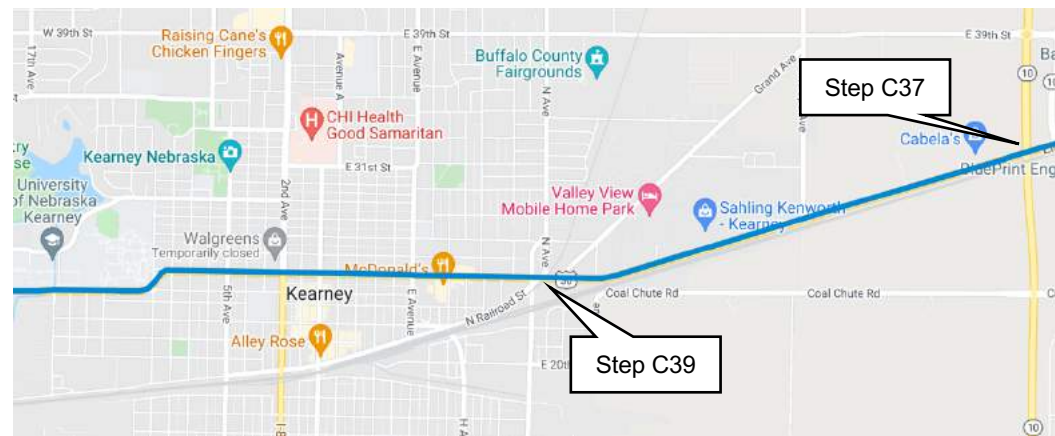
CHECKPOINT:

Scotts Bluff National Monument
190276 Old Oregon Trail, Gering, NE 69341

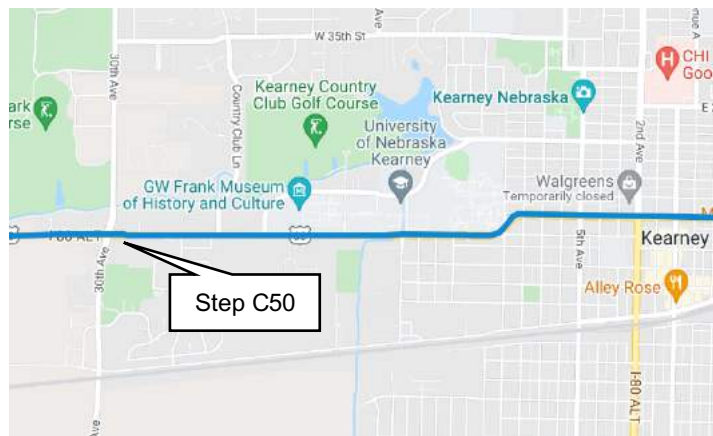
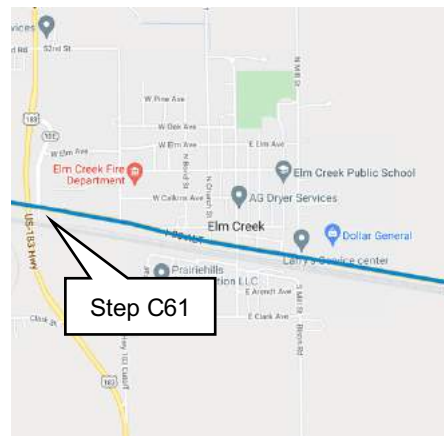
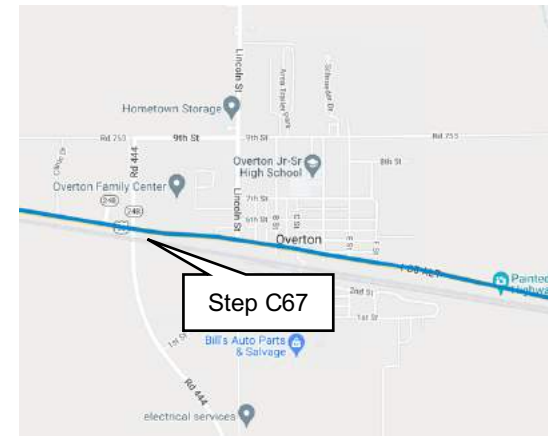


GRAND ISLAND, NE – GERING, NE**Grand Island Detail****Steps C1-C4****Wood River Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 1	0.00		TURN RIGHT to follow roundabout to exit		1	15	paved	
C 2	0.30	0.30	TURN RIGHT towards exit					
C 3	0.50	0.20	TURN LEFT at Stop Sign onto Husker Hwy/US-34 Eastbound		1	45	paved	
C 4	0.80	0.30	TURN RIGHT at SL for US-281 to follow NE-2 towards Broken Bow		2	50	wide paved	fuel
C 5	1.80	1.00		SL for Stolley Park Rd				
C 6	2.20	0.40	MERGE LEFT for left turn 1/2 mile ahead before bridge			45		
C 7	2.50	0.30		SL for US-30 East				
C 8	2.60	0.10	TURN LEFT at the SL for US-30 West on ramp	CAUTION - unprotected left turn				
C 9	2.80	0.20	MERGE LEFT onto US-30 West - right lane ends ahead	Follow US-30 West for the next ~190 miles	2	45		
C 10	3.30	0.50		Johnstown Rd	1	55	paved	
C 11	5.80	2.50		Jct West Husker Hwy	1	65	paved	
C 12	7.60	1.80		RR tracks 1 track on diagonal				
C 13	7.80	0.20		RR tracks, 1 track on diagonal entering Alda (Pop 652)		45		none
C 14	8.60	0.80		Jct NE-40C; water tower on left	1	65	paved	
C 15	15.20	6.60		130th Rd/Elm St, entering Wood River (Pop 1325)		50		
C 16	15.50	0.30				35		
C 17	16.00	0.50		Large pedestrian bridge over the highway at Main St	1	35	paved	fuel
C 18	16.30	0.30		Jct NE-40G Link with access to I-80		50		
C 19	16.50	0.20			1	65	paved	
C 20	19.00	2.50		Historical marker on right with large paved pulloff, Original Townsite of Wood River; Group of four or five trees				
C 21	22.80	3.80		Entering Buffalo County at Wiseman Rd		45		

GRAND ISLAND, NE – GERING, NE**Gibbon Detail****Kearney Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 22	23.00	0.20		Entering Shelton		45		fuel
C 23	23.20	0.20		Just past the John Deere Dealership		35		
C 24	23.70	0.50		At grain bins on left		45		
C 25	23.80	0.10		NE-10D Link on left with access to I-80		65		
C 26	23.90	0.10						
C 27	28.50	4.60		Finney's Meat Market, Ice Cream, & Snacks on right				food
C 28	28.90	0.40				50		
C 29	29.20	0.30		Entering Gibbon (Pop 1833)		35		fuel, food
C 30	30.10	0.90		Grain elevator on left		50		
C 31	30.30	0.20		Speed change past Gibbon Rd		65		
C 32	31.20	0.90		Historical marker and small paved pullout/wide shoulder on right				
C 33	35.40	4.20		Keystone Rd with access to I-80 at left				
C 34	38.90	3.50		Kearney Regional Airport on right, Jct Airport Rd	2	55	paved	
C 35	39.30	0.40		RR Tracks, welcome to Kearney; Single track				
C 36	39.40	0.10		RR Tracks; Single track				
C 37	39.70	0.30		SL for NE-10F Link to right. Kearney (Pop 30,919)				all
C 38	40.90	1.20				50		
C 39	41.30	0.40		Sinclair station on right		40		fuel
C 40	41.70	0.40		RR Tracks, SL for N Railroad St/N Ave	2	35	curb	
C 41	42.00	0.30		SL for G Ave				food
C 42	42.20	0.20		SL for E Ave				
C 43	42.60	0.40		SL for A Ave				
C 44	42.65	0.05		SL for Central Ave				
C 45	42.70	0.05		SL for 2nd Ave				
C 46	43.00	0.30		SL for 5th Ave				

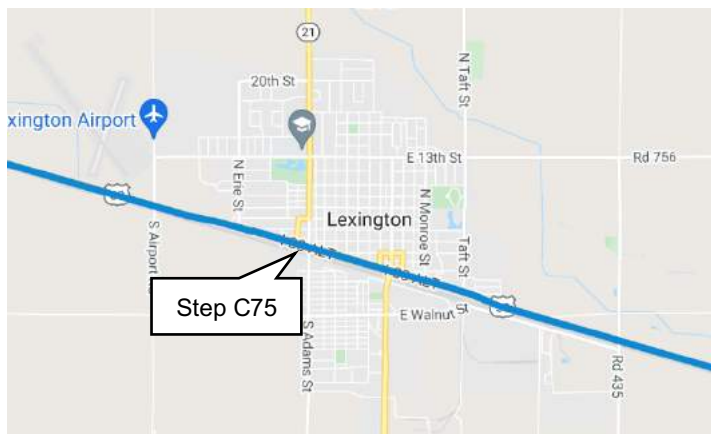
GRAND ISLAND, NE – GERING, NE**Kearney Detail****Elm Creek Detail****Overton Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 47	43.30	0.30	CONTINUE STRAIGHT to follow US-30 West	Left/right bend at University of Nebraska Kearney (UNK)				
C 48	43.50	0.20		SL for 12th Ave				
C 49	43.90	0.40		Historical marker on right. Large antenna on left	2	40	curb	
C 50	44.80	0.90	MERGE LEFT - right lane ends ahead	SL for 30th Ave				
C 51	45.10	0.30		Entrance to Kearney Area Animal Shelter	1	55	paved	
C 52	45.80	0.70		46th Ave		65		
C 53	46.30	0.50		Little USA gas station and pullout on right				fuel
C 54	46.50	0.20				55		
C 55	47.60	1.10		Large covered wagon on right				
C 56	51.70	4.10		Entering Odessa (unincorporated)		55		none
C 57	52.10	0.40				60		
C 58	54.10	2.00		Kearney Canal				
C 59	57.50	3.40				55		
C 60	57.70	0.20		Entering Elm Creek (Pop 901)		40		fuel
C 61	58.60	0.90		Jct US-183/NE-10E Link at right, access to I-80 (exit 257)		55		
C 62	58.80	0.20				65		
C 63	60.90	2.10		Entering Dawson County				
C 64	64.90	4.00		Road 446, historical marker with paved pullout on left, cross Buffalo Creek				
C 65	66.20	1.30				55		
C 66	66.40	0.20		Entering Overton (Pop 640)		40		fuel
C 67	67.20	0.80		NE-24B Link at right with access to I-80 (exit 248)		55		
C 68	67.50	0.30				65		
C 69	70.00	2.50		Road 441, Overton Golf Club on right				
C 70	74.40	4.40		Evergreen Cemetery on right				

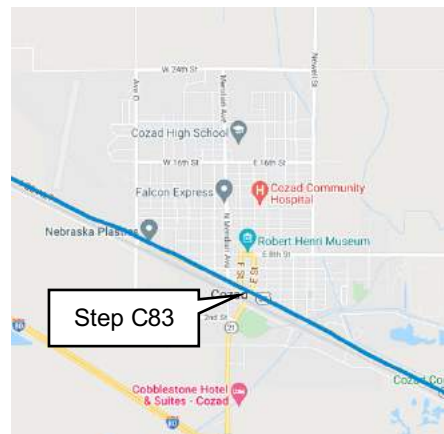
GRAND ISLAND, NE – GERING, NE



Lexington Detail



Cozad Detail



Gothenburg Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 71	76.90	2.50		Grain elevator on left		45		
C 72	77.10	0.20		Entering Lexington (Pop 10,230)	2	45	curb	all
C 73	77.50	0.40				35		
C 74	78.00	0.50		Large water tower on right: "Lexington Est 1874"				
C 75	78.30	0.30		SL for N Ontario Street and NE-21				
C 76	78.40	0.10	MERGE LEFT: right lane ends ahead			45		
C 77	78.80	0.40			1	65	paved	
C 78	81.30	2.50		Rd. 430, historical marker on left with paved pullout				
C 79	85.80	4.50		Rd. 426, Busy Bones Butcher on right				
C 80	91.10	5.30		Entering Cozad (Pop 3,977)		55		all hospital
C 81	91.20	0.10		RR Track, some bumps	2	40	curb	fuel
C 82	91.50	0.30				35		
C 83	91.60	0.10		Jct NE-21 South at right, access to I-80 (exit 222) "COZAD: 100TH MERIDIAN" sign over highway ahead				
C 84	92.00	0.40	MERGE LEFT, right lane ends ahead			40		
C 85	92.40	0.40			1	55	paved	
C 86	92.60	0.20		Cozad Municipal Airport on right	1	65	paved	
C 87	96.50	3.90		Willow Island (unincorporated)				none
C 88	101.00	4.50				60		
C 89	101.30	0.30		Entering Gothenburg (Pop 3,619)	1	45	curb	all hospital
C 90	101.90	0.60				35		fuel
C 91	102.50	0.60		RR track, large solar farm at left		45		
C 92	102.90	0.40		Large grain bins set back on right	1	65	paved	
C 93	105.90	3.00		Entering Lincoln County at Jct E County Line Rd,				

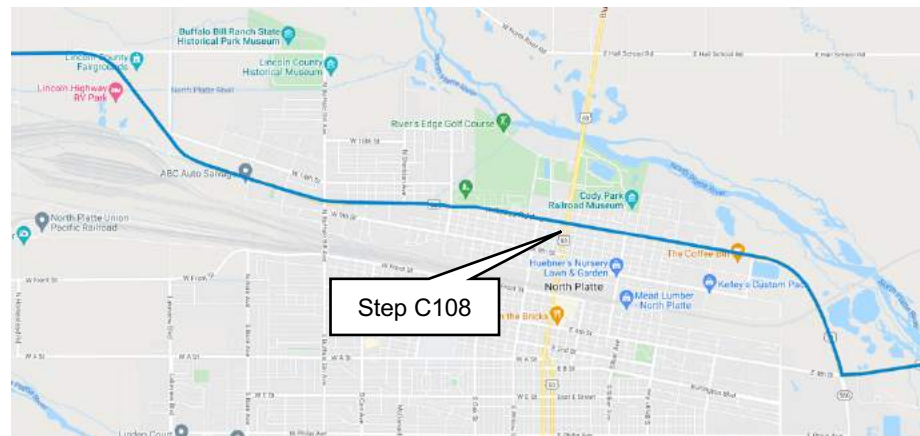
GRAND ISLAND, NE – GERING, NE



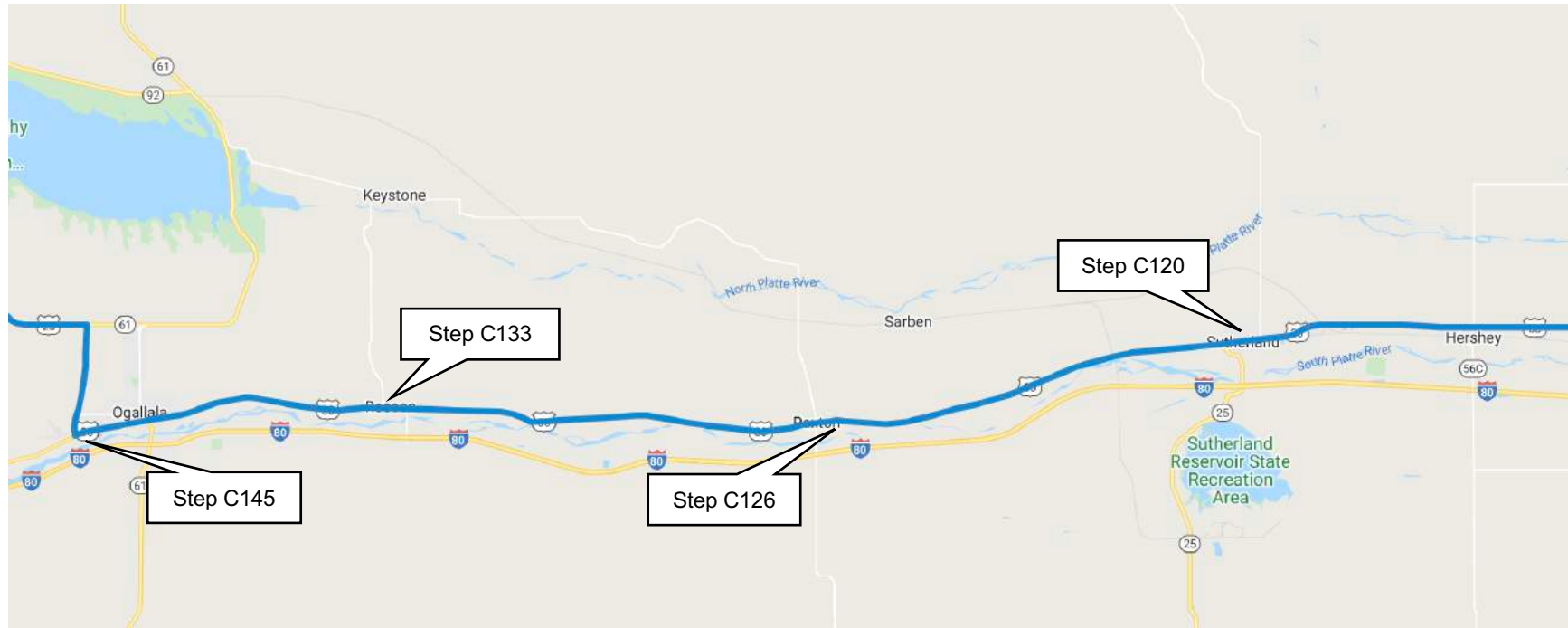
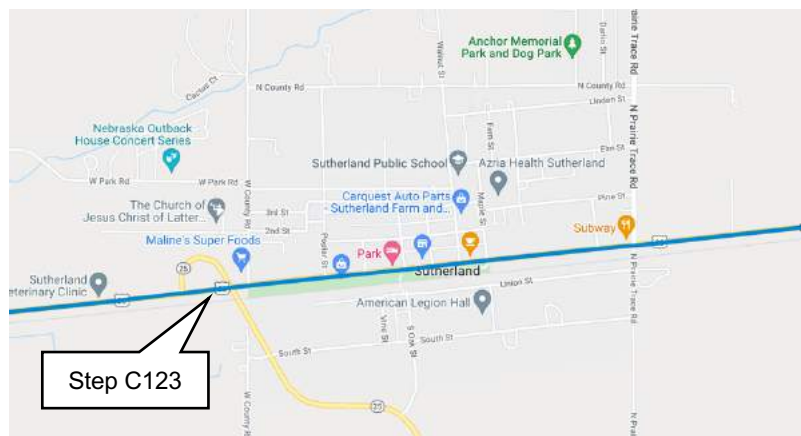
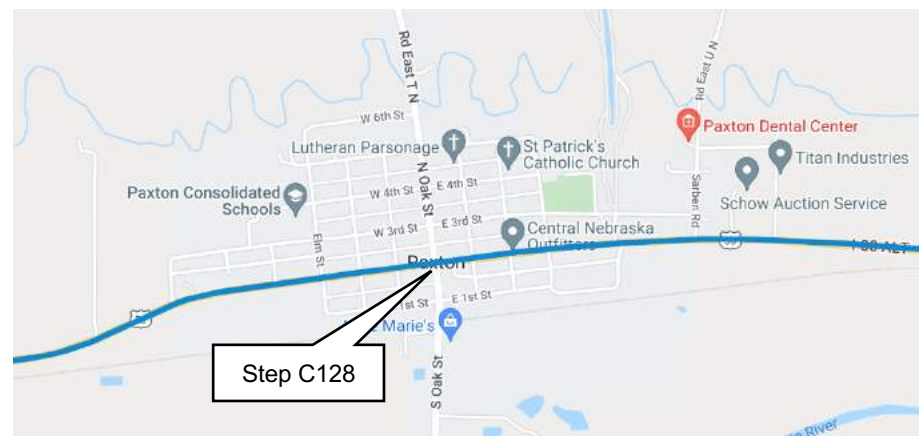
Steps C104-C106



North Platte Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 94	114.70	8.80		Entering Brady (Pop 428)		45		fuel
C 95	115.20	0.50		Jct NE-56D Link at right with access to I-80 (exit 199)				
C 96	115.50	0.30				65		
C 97	123.50	8.00		Entering Maxwell (Pop 312)		45		none
C 98	124.10	0.60		Jct NE-56A Spur at left with access to I-80 (exit 190)				
C 99	124.30	0.20				65		
C 100	124.80	0.50		Large paved pullout/picnic area with historical marker on right past Jackson Rd				
C 101	125.20	0.40		Bridge over RR tracks				
C 102	134.90	9.70		Cross North Platte River				
C 103	135.60	0.70				45		
C 104	135.60	0.00	TURN RIGHT to follow US-30 West towards Ogallala	Entering North Platte (Pop 23,892), access to I-80 (exit 179). Easy to miss turn!				all
C 105	135.80	0.20		Large broken cement pile to right		55		
C 106	136.60	0.80		Wilson Ave	1	35	curb	
C 107	136.90	0.30		N Roosevelt Ave, electric substation on right		30		
C 108	137.80	0.90		SL for Jeffers St, Jct US-83	2			
C 109	138.00	0.20		SL for Willow St		35	curb	
C 110	138.50	0.50		SL for Adams Ave				
C 111	139.50	1.00		SL for Buffalo Bill Ave, right lane ends ahead. Speed change after light	1	45	curb	fuel
C 112	140.00	0.50		Dodge Ave		55	paved	
C 113	140.70	0.70		Swanson's on left		60		
C 114	141.90	1.20		Mile marker 173 on left; cattle feedlot on right	1	65	paved	
C 115	146.40	4.50		Olson Feed yards on left				
C 116	150.40	4.00		Entering Hershey (Pop 665)		45		

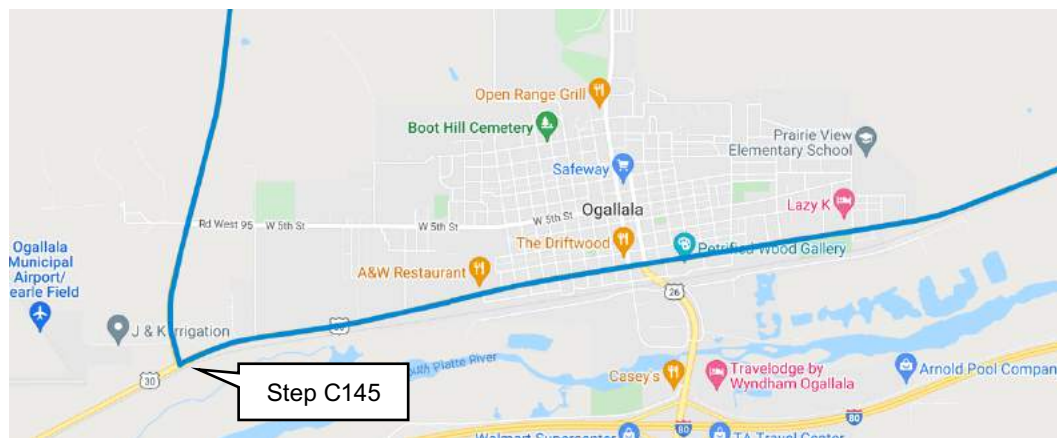
GRAND ISLAND, NE – GERING, NE**Sutherland Detail****Paxton Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 117	151.30	0.90		Jct NE-56C Link at left with access to I-80 (exit 164)		65		
C 118	155.00	3.70		Bridge over RR tracks				
C 119	156.50	1.50				55		
C 120	156.80	0.30		Entering Sutherland (Pop 1,286)		40	paved w/ curb	all
C 121	157.40	0.60		Railroad Park picnic areas with gravel parking along the left side of the road				
C 122	157.50	0.10		Oak St		40		
C 123	158.00	0.50		Jct NE-25, access to I-80 (exit 158) at right	1	50	paved	
C 124	158.30	0.30		Speed change before Sutherland Veterinary Service		65	paved	
C 125	165.10	6.80		Entering Keith County (<i>approx. time zone change - no sign</i>)				
C 126	169.10	4.00		Entering Paxton (Pop 614)		45		all
C 127	169.30	0.20		Mahogany Rd	1	35	paved w/ curb	
C 128	169.60	0.30		Flashing Yellow for Oak St/NE-51C Link to left with access to I-80 (exit 145)				
C 129	169.90	0.30		Willow St.	1	45	paved	
C 130	170.30	0.40				65		
C 131	175.70	5.40		Twin Valley Feeders on right				
C 132	181.20	5.50		Jct 51B Link to left, access to I-80 (exit 133)				
C 133	181.40	0.20		Entering Roscoe (unincorporated)		50		none
C 134	181.90	0.50		Speed change after Keystone Roscoe Rd		65		
C 135	187.30	5.40		Entering Ogallala (Pop 5,142)	1	50	curb	all
C 136	187.80	0.50		Poplar St		40		
C 137	188.10	0.30			2	40	curb	

GRAND ISLAND, NE – GERING, NE



Ogallala Detail



Step C147-C148

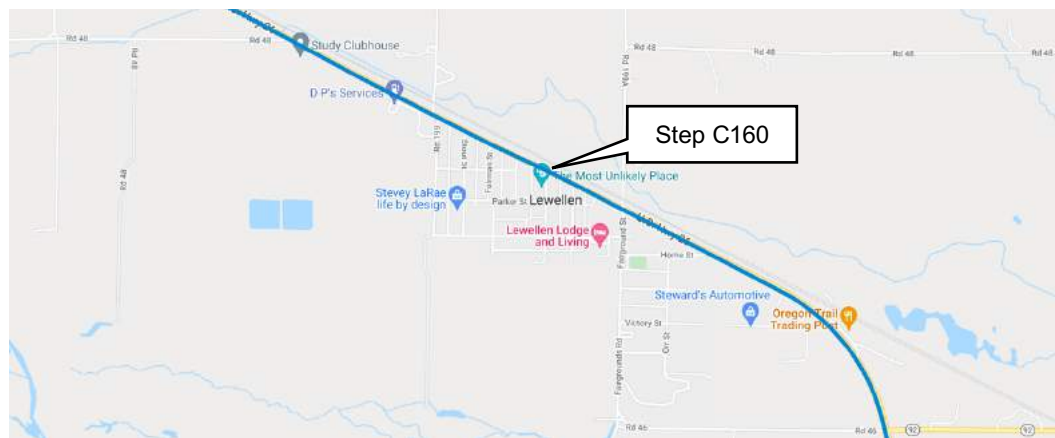


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 138	188.50	0.40		Front Street Café, Gift Shop, and Museum with cowboy ahead on right		35		fuel
C 139	188.60	0.10		Dollar General on right		25		fuel, lodging
C 140	188.70	0.10		SL for US-26 East/NE-61 with access to I-80 (exit 126)				full services to left
C 141	188.80	0.10		SL for Spruce St				
C 142	188.90	0.10		East B St, right lane ends ahead		35		
C 143	189.50	0.60		Storage company on right	1	50	curb	
C 144	189.90	0.40		"Brule 8 miles"	1	60	paved	
C 145	190.70	0.80	TURN RIGHT onto US-26 West towards Scottsbluff	Use right turn lane; no SL/Stop Sign, Pay Attention!	1	65	paved	
C 146	191.50	0.80		Gain passing lane next 1.5 miles	2			
C 147	193.10	1.60	MERGE LEFT, right lane ends ahead		1			
C 148	193.80	0.70	TURN LEFT at Stop Sign to follow US-26 West towards Scottsbluff	CAUTION: cross traffic does not stop!	1	65	paved	
C 149	198.10	4.30		Twin radio towers on left				
C 150	199.40	1.30		Lakeview Rd				
C 151	205.10	5.70		"Lake View Public Road No 18"				
C 152	207.00	1.90		"Clear Creek Wildlife Management Area 5 miles" on right ahead of Eagle Canyon Rd.				
C 153	210.40	3.40		Three radio towers to left				
C 154	211.70	1.30		Entering Garden County, note long downhill with opposed passing lane ahead				
C 155	215.70	4.00		Windlass Hill turnoff on left				
C 156	217.90	2.20		Ash Hollow State Historical Park Visitor Center on right				
C 157	219.40	1.50		Cross North Platte River				

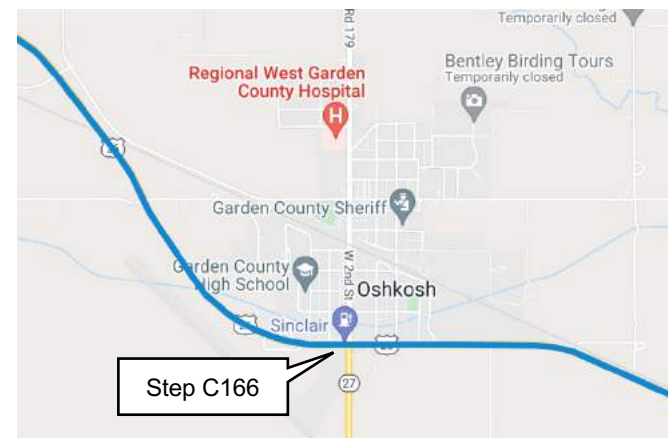
GRAND ISLAND, NE – GERING, NE



Lewellen Detail



Oshkosh Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 158	219.80	0.40	CONTINUE STRAIGHT to continue following US-26 West and NE-92 North	Jct NE-92	1	55	paved	fuel, food
C 159	220.30	0.50		Entering Lewellen (Pop 282)		40		all
C 160	221.00	0.70		Main St, "The most unlikely place Cafe" on left				
C 161	221.60	0.60				55		
C 162	221.70	0.10				65		
C 163	222.80	1.10		Cross Blue Creek				
C 164	223.50	0.70		Historical Marker				
C 165	232.20	8.70		Entering Oshkosh (Pop 884)	1	40	paved	fuel, lodging hospital
C 166	232.70	0.50		Jct NE-27			curb	fuel
C 167	233.00	0.30				55		
C 168	233.20	0.20			1	65	paved	
C 169	233.90	0.70		Bridge over RR tracks				
C 170	238.50	4.60		Oshkosh Feedyard Corporation on right				
C 171	247.70	9.20		Cross Coldwater Creek				
C 172	248.30	0.60		Entering Lisco (unincorporated)	1	50	paved	none
C 173	248.50	0.20				65		
C 174	249.60	1.10		Entering Morrill County				
C 175	250.60	1.00		Historical marker on right with paved pullout				
C 176	253.60	3.00		Solar panels on right				
C 177	255.50	1.90		Historical marker "Narcissa Whitman" on right with paved pullout				
C 178	262.00	6.50		Paved pullout on left		50		
C 179	262.20	0.20		NE-92 to left, Entering Broadwater (Pop 140)		35	paved w/ curb	fuel, food
C 180	262.50	0.30				55		

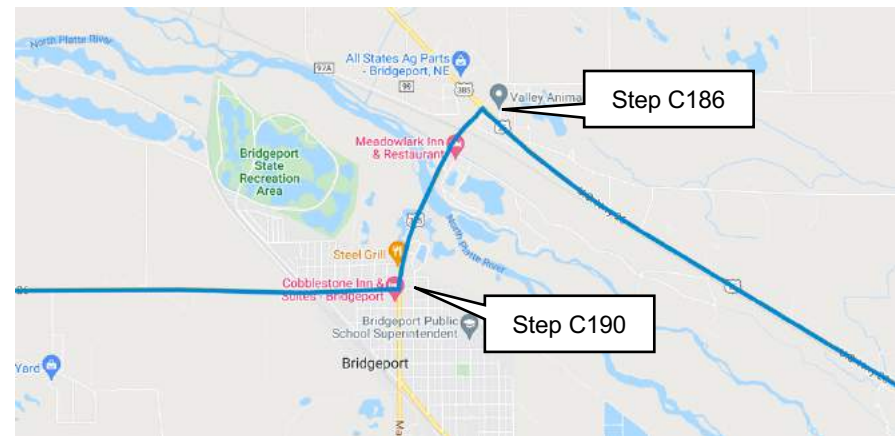
GRAND ISLAND, NE – GERING, NE



Broadwater Detail



Bridgeport Detail

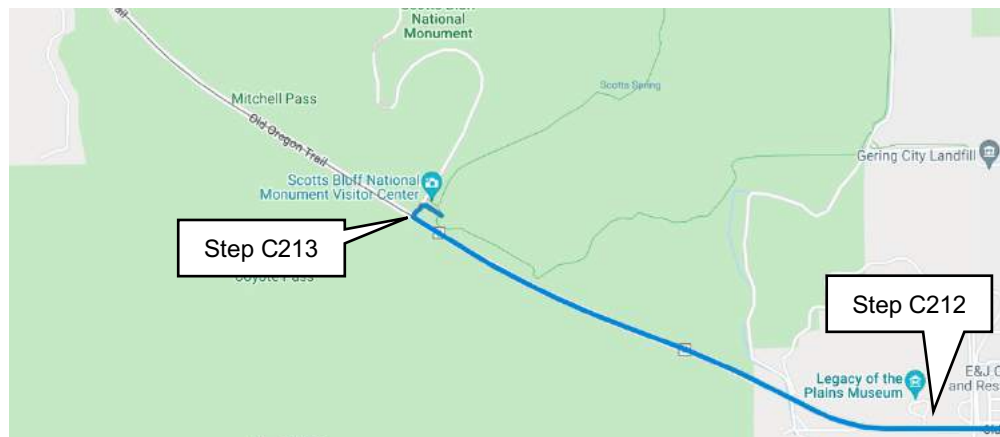


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 181	262.80	0.30		Before Smith Ave.	1	65	paved	
C 182	266.50	3.70		Jct Rd 117 on right				
C 183	268.70	2.20		Jct Rd 113 on right				
C 184	274.30	5.60		Historical marker on right with paved pullout				
C 185	276.00	1.70		Welding shop on right		50		
C 186	276.30	0.30	TURN LEFT onto US-385 to continue to follow US-26 West	Sinclair station on left	1	45	paved	fuel
C 187	276.70	0.40		Historical marker/pullout on right, then cross North Platte River				all
C 188	277.10	0.40		Entering Bridgeport (Pop 1,545)	1	35	curb	
C 189	277.20	0.10				30		
C 190	277.30	0.10	TURN RIGHT to follow US-26 West/NE-92 West	Cenex gas station on right. NO STOP SIGN OR SL, PAY ATTENTION	1	30	paved	fuel
C 191	277.40	0.10				40		
C 192	277.70	0.30		RR tracks, "Bridgeport Lake State Recreation Area" to right		50		
C 193	278.00	0.30		Bomgaars store on right	1	65	paved	
C 194	279.70	1.70		Oregon Trail Veterans Park & Cemetery on left				
C 195	280.80	1.10		Historical marker at paved pullout on left with 3 trees				
C 196	286.60	5.80		Road 81: Reddington Rd <i>Chimney rock visible ahead on left</i>				
C 197	289.70	3.10	CONTINUE STRAIGHT on NE-92 West	Jct US-26, Chimney Rock on left <i>Scottsbluff visible ahead on horizon</i>	1	65	paved	
C 198	290.50	0.80		Historical marker for Chimney Rock on right with paved pullout				
C 199	292.20	1.70		Entering Scotts Bluff County				
C 200	294.90	2.70		County Rd 43, Entering McGrew (Pop 99)				food

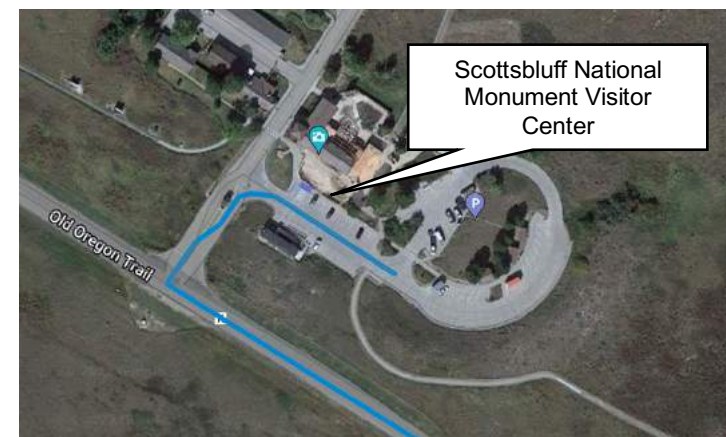
GRAND ISLAND, NE – GERING, NE



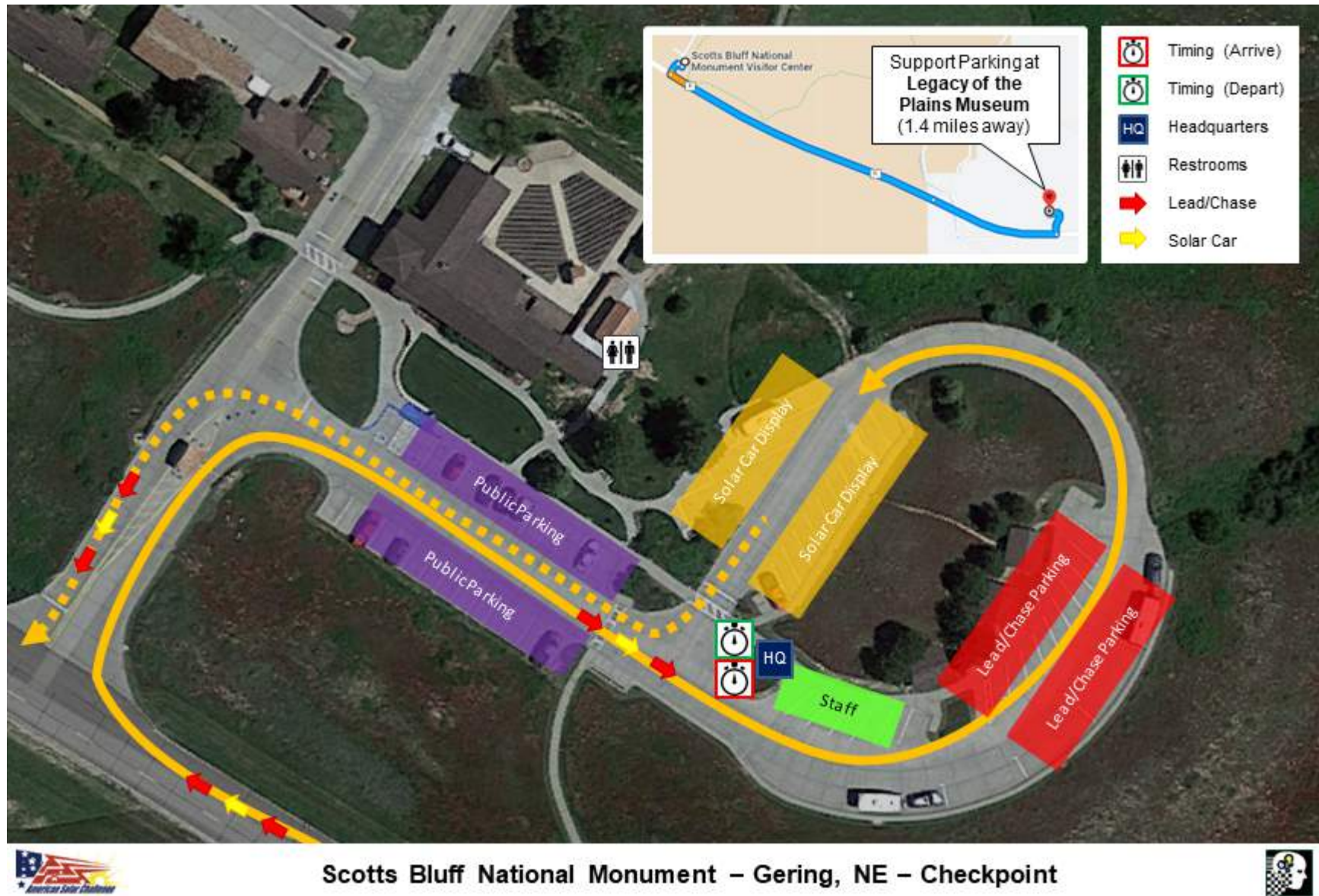
Final Approach to Gering Checkpoint



Gering Checkpoint



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 201	300.60	5.70		Entering Melbeta (Pop 116) Begin divided road		50		fuel
C 202	300.80	0.20		Jct NE-26 and NE-79E Link towards Minatare				
C 203	301.00	0.20			1	65	paved	
C 204	303.40	2.40		Radio tower on right				
C 205	303.90	0.50		Hiway 92 Raceway Park on left				
C 206	307.00	3.10	CONTINUE STRAIGHT on NE-92 West towards Gering	Jct NE-71				
C 207	307.40	0.40	CONTINUE STRAIGHT on Old Hwy 92/M St	Entering Gering , Est 1887		45		all
C 208	307.70	0.30		RR tracks (two tracks, bumpy)				
C 209	308.20	0.50		Circle S Lodge on right, 5th St	1	35	curb	
C 210	308.70	0.50		SL for 10th St, Gering Civic Center ahead on right				
C 211	309.40	0.70		Stop Sign (4-way, flashing red) for Five Rocks Rd				
C 212	310.00	0.60	CONTINUE STRAIGHT on Old Oregon Trail	Legacy of the Plains Museum on right		45	grass	
C 213	311.20	1.20	TURN RIGHT into Scotts Bluff National Monument entrance					



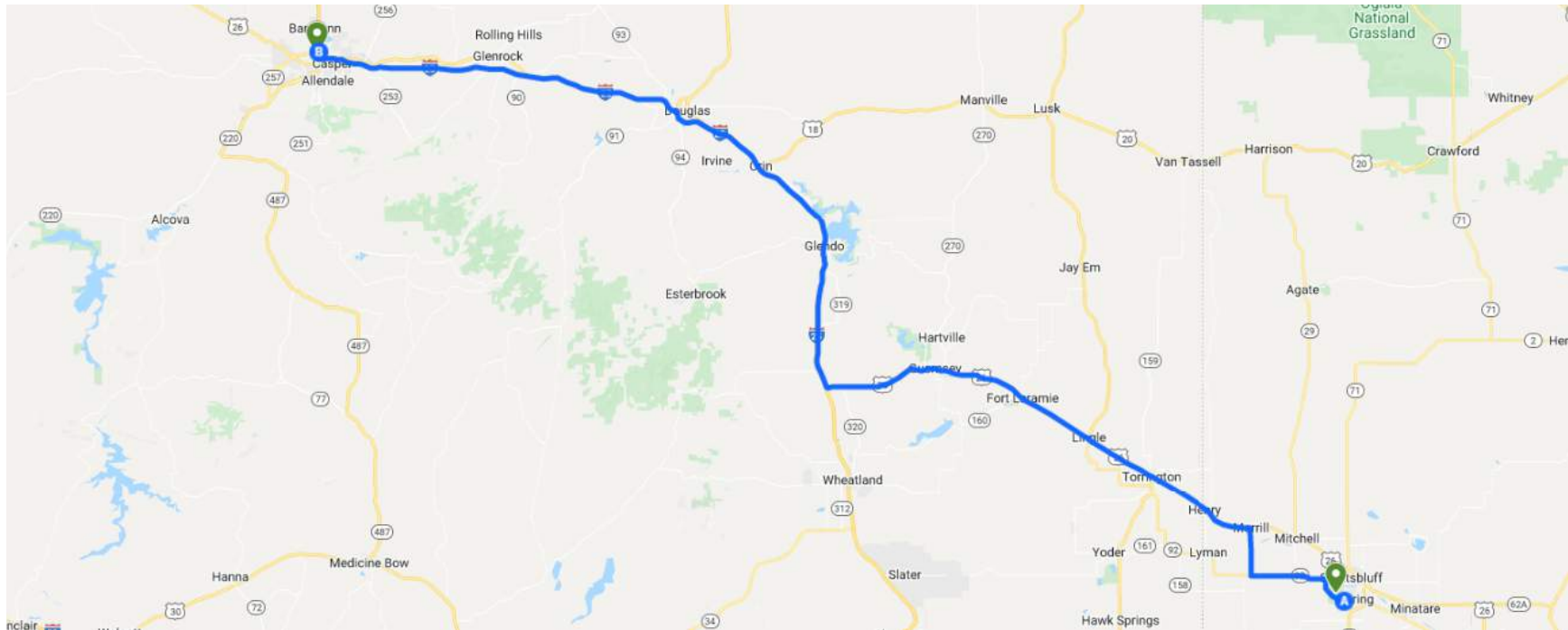
STAGE 2 SEGMENT D

AMERICAN SOLAR CHALLENGE 2022

Gering, NE – Casper, WY

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

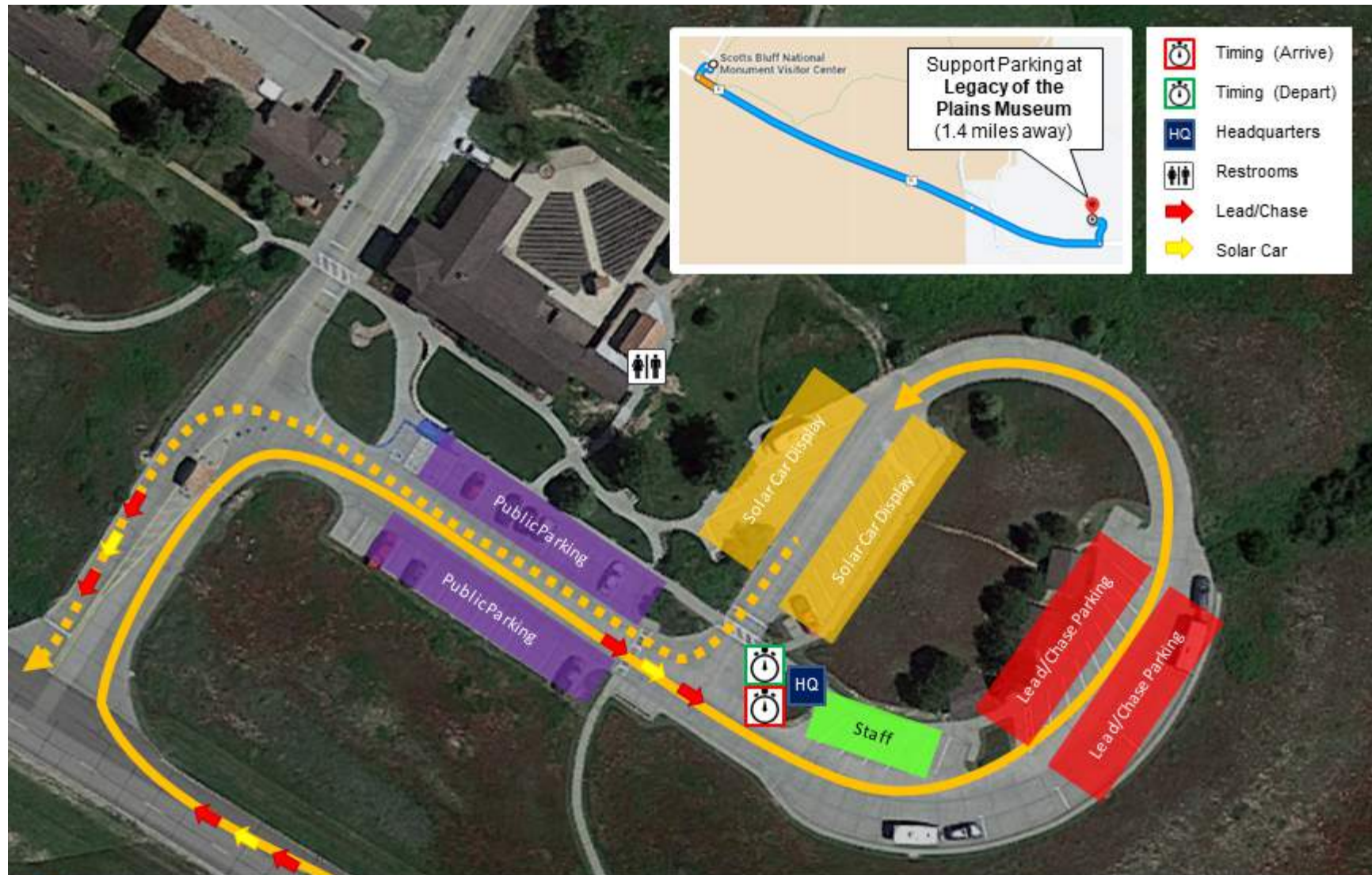
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	TURN RIGHT out of Legacy of the Plains Museum onto Old Highway 92 Follow solar car route until step D66	
85.0 mi	Continue on I-25 N	Leave solar car route
94.7 mi	TAKE EXIT 189 toward US-20 W/US-26 W/WY-220/Shoshoni/Port of Entry	
0.3 mi	Keep right, follow signs for Events Ctr	
0.1 mi	Merge onto Events Dr	
0.4 mi	TURN RIGHT onto West Blvd into Ford Wyoming Center	

Approx. 182 miles (2 hr, 57 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

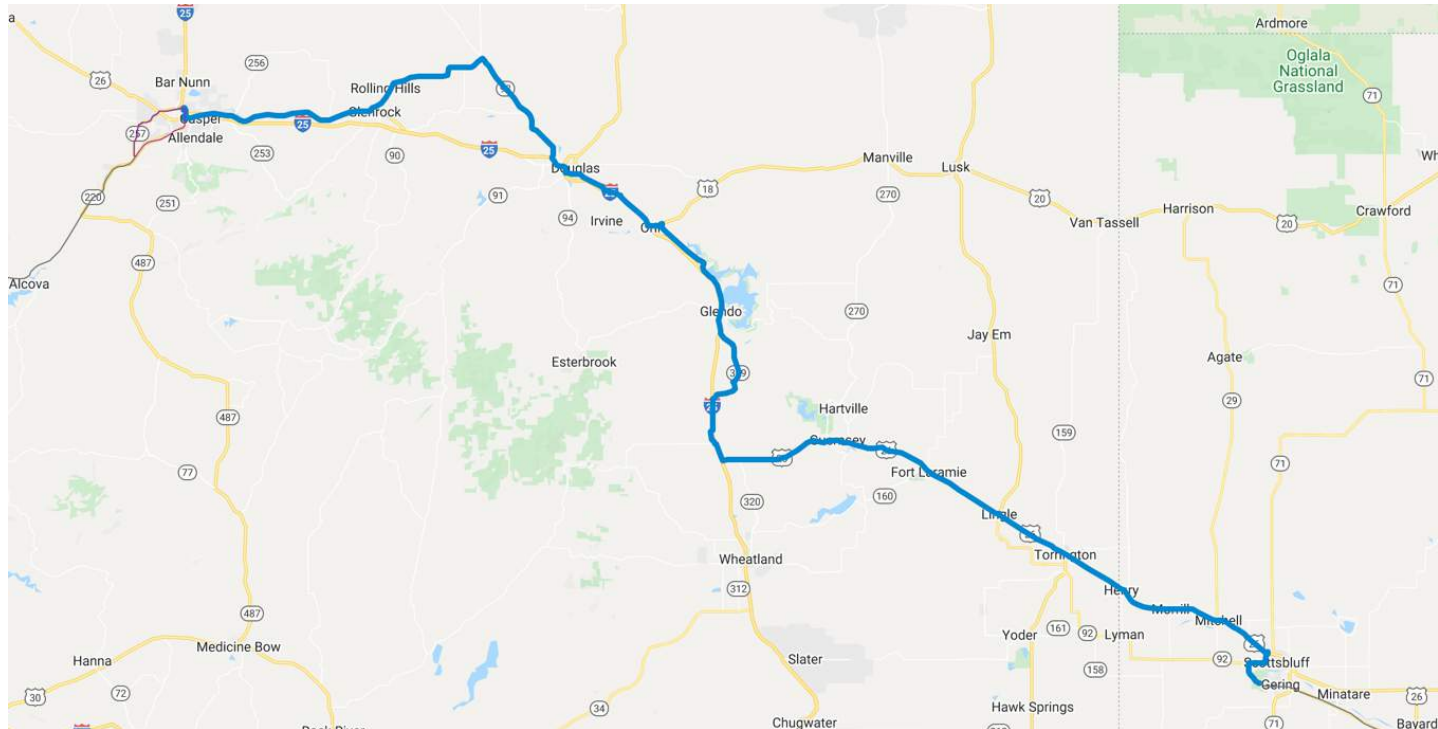


Scotts Bluff National Monument – Gering, NE – Checkpoint



SOLAR CAR ROUTE OVERVIEW

GERING, NE – CASPER, WY



GERING, NE – CASPER, WY

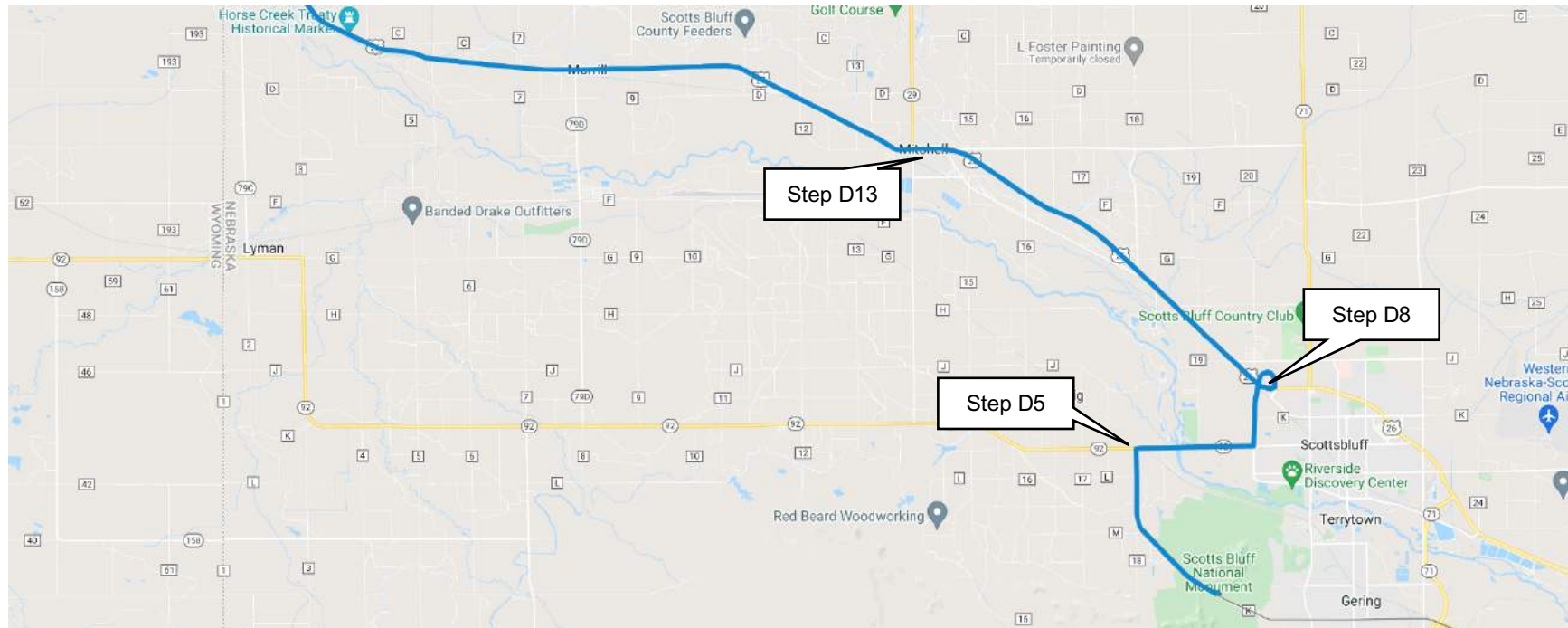
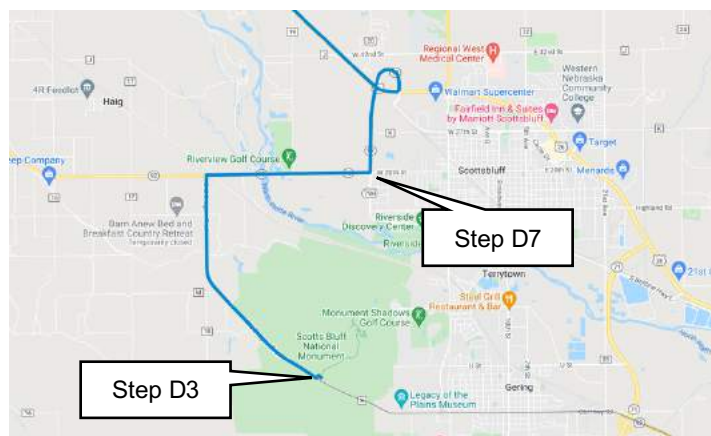
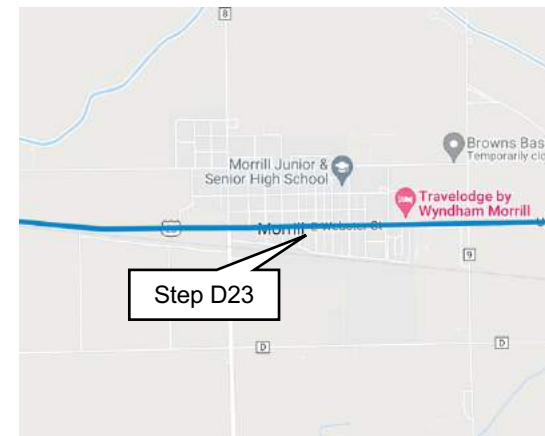
CHECKPOINT:

Scotts Bluff National Monument
190276 Old Oregon Trail, Gering, NE 69341

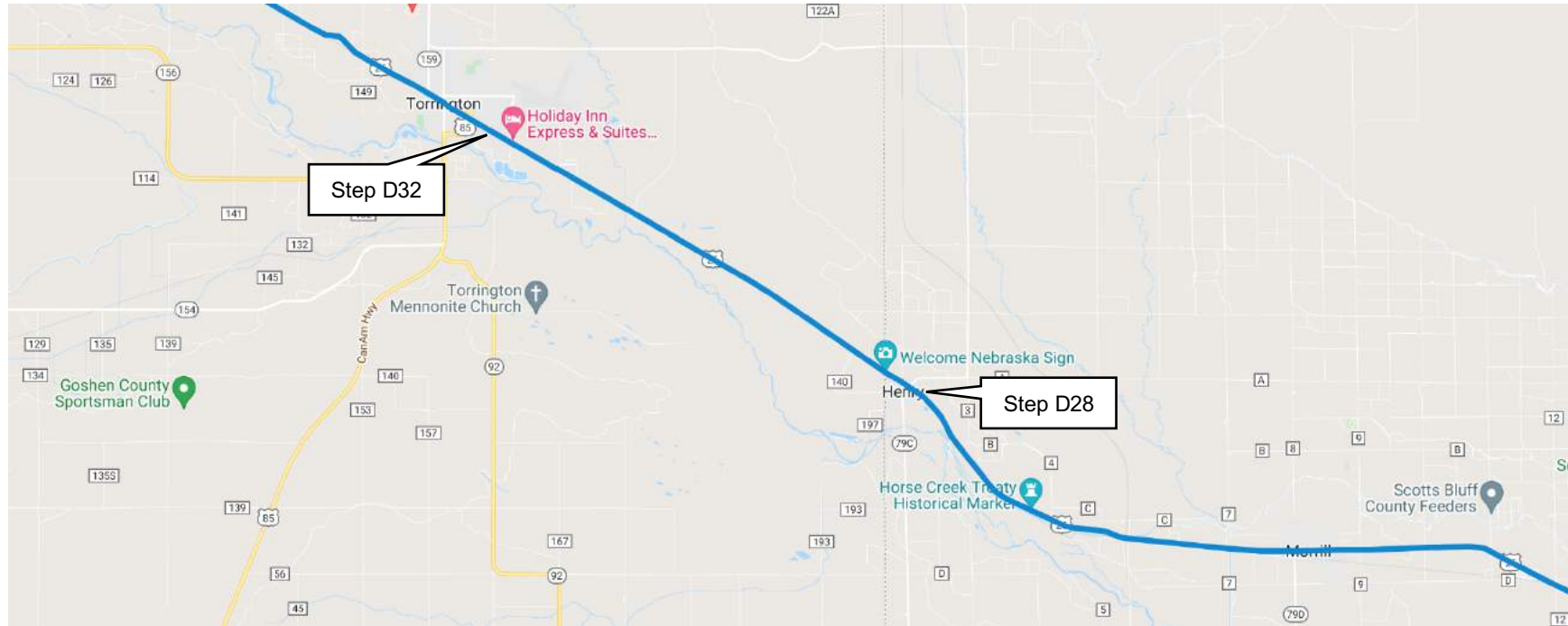
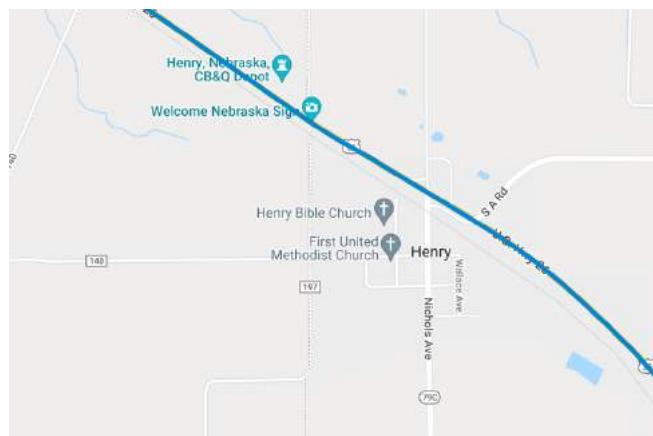
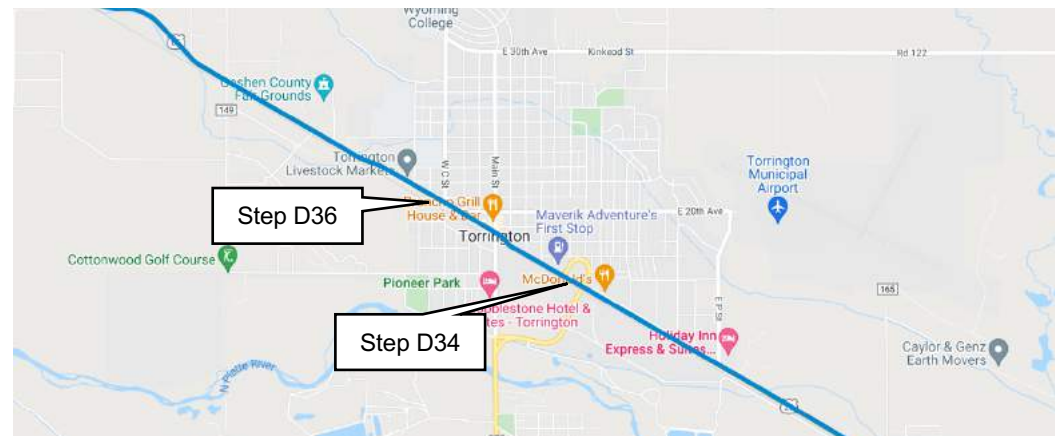
CHECKPOINT:

National Historic Trails Interpretive Center
1501 N Poplar St, Casper, WY 82601

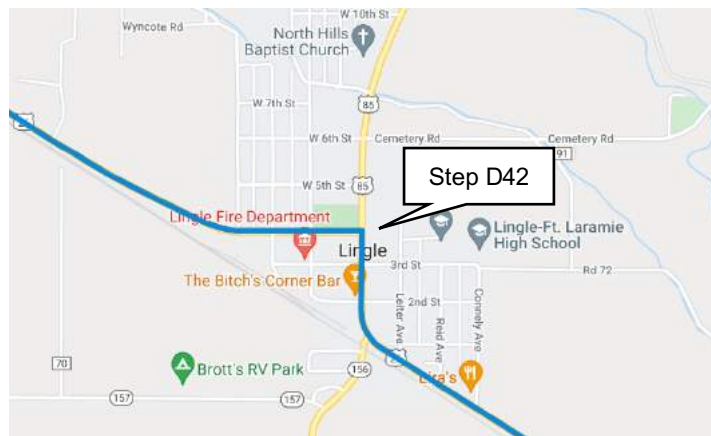
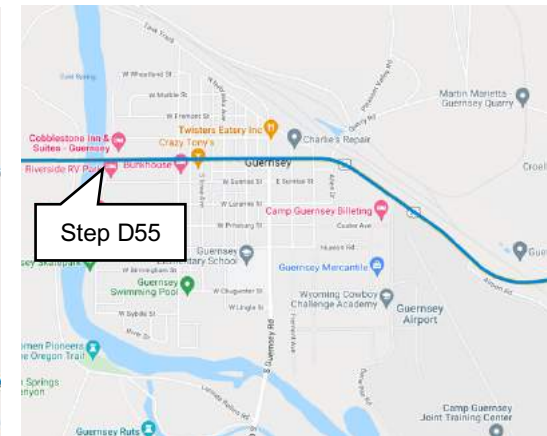


GERING, NE – CASPER, WY**Scottsbluff Detail****Mitchell Detail****Morrill Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 1	0.00		EXIT checkpoint					
D 2	0.05	0.05	TURN LEFT towards exit of Scottsbluff National Monument					
D 3	0.10	0.05	TURN RIGHT onto Old Oregon Trail		1	45	grass / gravel	
D 4	1.70	1.60				55		
D 5	3.40	1.70	TURN RIGHT at Stop Sign onto NE-92 East			65		
D 6	3.50	0.10		RR Tracks - diagonal, big gaps; speed sign after tracks		65		
D 7	5.50	2.00	TURN LEFT at flashing red light & Stop Sign to follow NE-92	Speed changes at Z M Lumber. 2x rumble strips before SS	1	55	paved	
D 8	7.20	1.70	TURN RIGHT at the yield onto US-26 West	Merge left Speed changes after underpass	2	70	wide paved	
D 9	9.10	1.90		Sunset Memorial Park on right after County Rd 19				
D 10	12.70	3.60		Cross Tri State Canal				
D 11	14.10	1.40		Cross Tri State Canal (again)				
D 12	14.40	0.30		After sign for "Experimental Farm Road"		50		
D 13	14.60	0.20		Entering Mitchell (Pop 1,831) at Jct 10th St	2	30	curb	fuel, food
D 14	14.80	0.20		SL for crosswalk/13th Ave				
D 15	14.90	0.10		SL for Center Ave				
D 16	15.60	0.70		At divided highway		50		
D 17	15.80	0.20		RR tracks - single track on diagonal	2	70	wide paved	
D 18	17.10	1.30		Paved pullout/extra wide shoulder on right			paved	
D 19	19.50	2.40	MERGE LEFT after County Rd 10	Right lane ends 1/4 mile ahead	1	65	wide paved	
D 20	20.50	1.00		Entering Morrill (Pop 974, Elev 3,990ft). Speed reduces before sign		45	paved	all

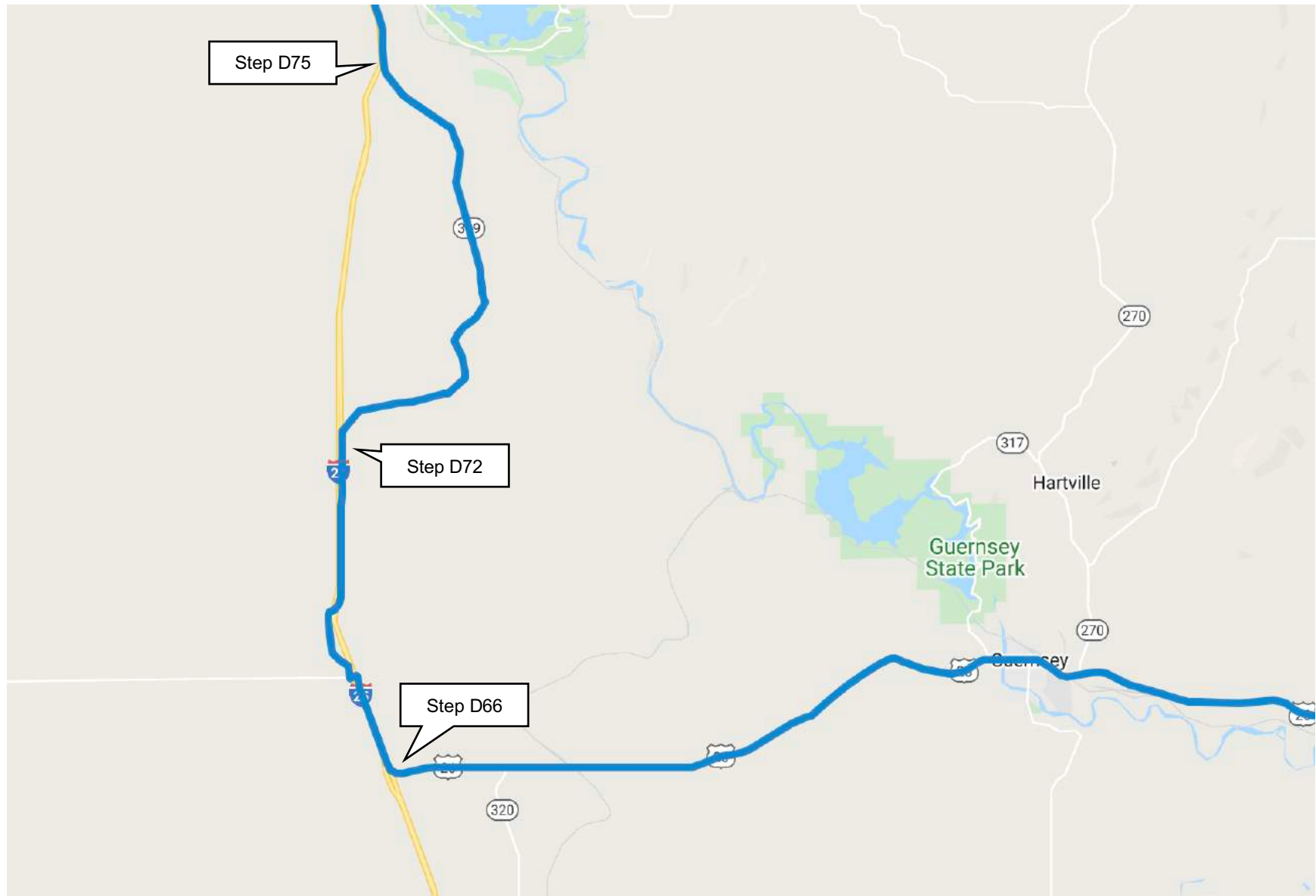
GERING, NE – CASPER, WY**Henry Detail****Torrington Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 21	20.90	0.40		Bright chrome "Penny's Dining Car" on right				
D 22	21.00	0.10				25	curb	
D 23	21.20	0.20		Flashing yellow for crosswalk at Jirdon Ave				
D 24	21.60	0.40		At Chevrolet dealership		45		
D 25	22.10	0.50		Just after divided highway ends	1	65	paved	
D 26	24.40	2.30		Cross Tri State Canal				
D 27	25.70	1.30		Historical marker/gravel pullout with picnic shelter on right				
D 28	28.40	2.70		Entering Henry (Pop 145) after County Rd A		45		none
D 29	28.60	0.20		After cross on fence		65		
D 30	28.90	0.30		Welcome to Wyoming	1	70	narrow paved	
D 31	32.30	3.40		Rd 157, Dinklage Feed yard and State Historical Marker on right				
D 32	35.30	3.00		Entering Torrington (Pop 6,501, Elev 4,104ft)	1	45	grass / gravel	all
D 33	36.20	0.90		McDonald's on right		30		
D 34	36.40	0.20	CONTINUE STRAIGHT to follow US-26 West/US-85 North	SL for US-85 South to Cheyenne			curb	
D 35	36.80	0.40		SL for US-85 Business/WY-92. Sign says "US 26 West US 85 North"	2			
D 36	37.10	0.30		SL for West C St/WY-159	2		curb	
D 37	37.60	0.50		W 25th Ave, just after AJ's on the right		45	paved w/ curb	
D 38	39.70	2.10				55		
D 39	41.70	2.00		Electric substation after Jct Rd 41	2	70	paved	
D 40	45.20	3.50		Large paved pullout/parking area on right				

GERING, NE – CASPER, WY**Lingle Detail****Ft. Laramie Detail****Guernsey Detail**

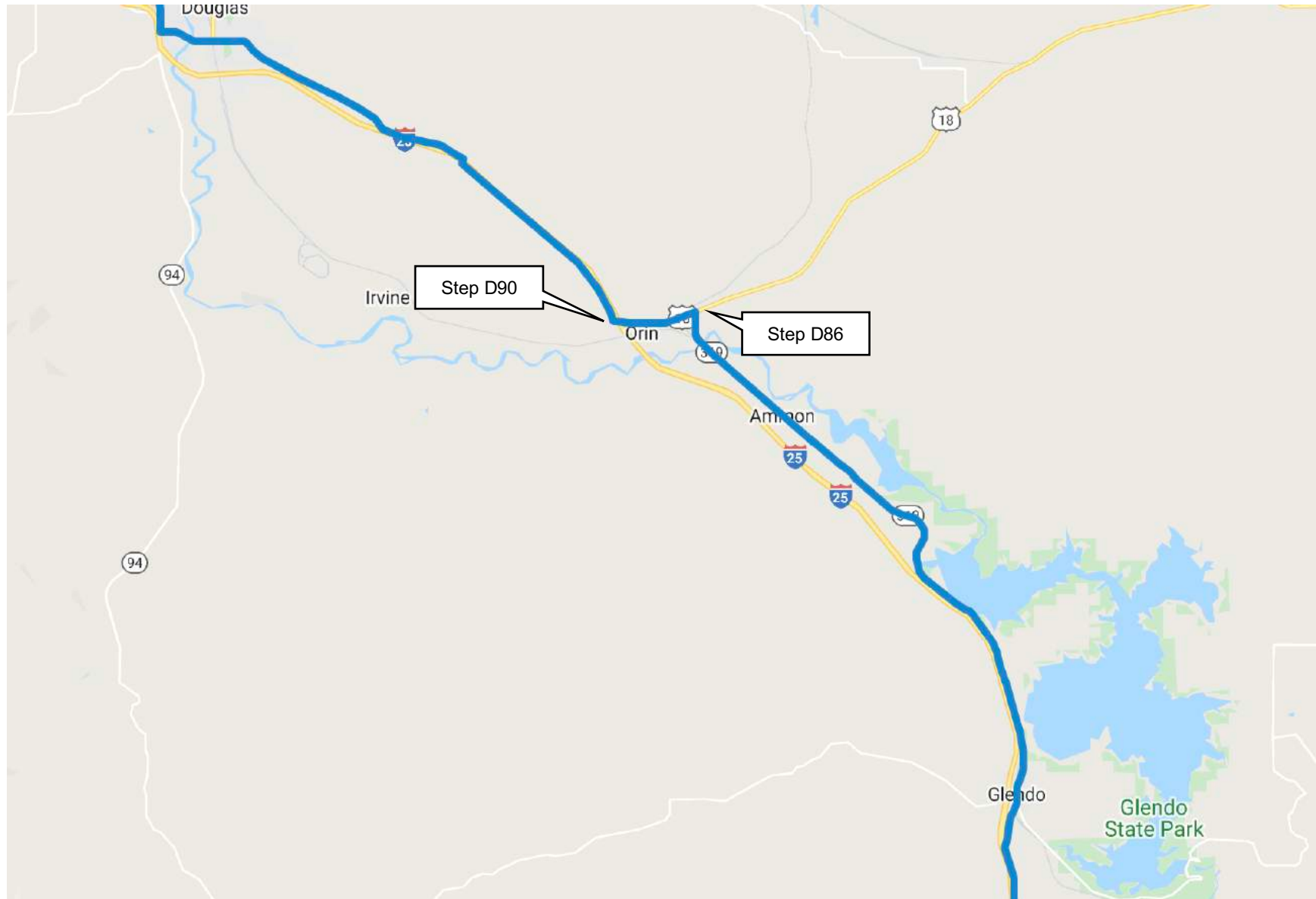
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 41	46.10	0.90	CAUTION! ABRUPT speed limit drop! Straight from 70mph to 30mph	Entering Lingle (Pop 468, Elev 4,165ft)		30	curb	fuel, food
D 42	46.70	0.60	TURN LEFT to follow US-26 West with signs towards Fort Laramie	PAY ATTENTION! No SL/Stop Sign! Whipple Park on far left corner	2	30	paved w/ curb	fuel
D 43	47.10	0.40		Speed sign before "Ft Laramie 10 miles" sign Historic trails auto tour route sign	1	70	paved	
D 44	52.30	5.20		Pony Soldier RV Park on right, NE-157 (no sign) on left				
D 45	56.00	3.70		Small green 29 sign on left		50		
D 46	56.60	0.60		Entering Fort Laramie (Pop 230, Elev 4,320ft)		30		fuel, food
D 47	57.40	0.80		Paved pullout on right for Fort Laramie historic marker in 1500 ft		70		
D 48	60.10	2.70		Paved pullout on right for state historical marker	1	70	paved	
D 49	65.00	4.90		Entering Platte County <i>Laramie Peak visible far ahead</i>				
D 50	67.10	2.10		Rest area on left with restrooms and historic marker				
D 51	68.40	1.30		Hartville & Manville turnoff on right/WY-270		45		
D 52	68.90	0.50		Welcome to Guernsey				food, fuel, hotels
D 53	69.10	0.20		Camp Guernsey to the left		30		
D 54	69.40	0.30		Guernsey (Pop 1123, Elev. 4354ft) Lockmans Lunchbox on left (extremely tasty)			paved w/ curb	all
D 55	70.20	0.80		Cross North Platte River		45	paved	
D 56	70.50	0.30		Speed change past Jct WY-317		70		
D 57	72.10	1.60		Historical marker and paved pullout for Rifle Pit Hill on right	1		wide paved	

GERING, NE – CASPER, WY



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 58	74.60	2.50		Gain passing lane for the next mile	2			
D 59	75.50	0.90	MERGE LEFT, right lane ends ahead	<i>View of Laramie Mountains ahead</i>	1			
D 60	78.10	2.60		Gain passing lane for the next mile	2			
D 61	79.00	0.90		Fort Laramie <i>Laramie Peak looming ahead...</i>	1			
D 62	79.90	0.90		Peak View RV Park on right				
D 63	81.40	1.50		Entering Dwyer (Elev 4835ft)				
D 64	84.40	3.00	CONTINUE STRAIGHT toward I-25 North	Rest area exit on right		50		
D 65	84.70	0.30	TAKE the right fork to enter I-25 North towards Casper					
D 66	85.00	0.30	MERGE LEFT onto I-25 North/US-26 West/US-87 North towards Casper	Interstate does not have merge lane!	2	80	wide paved	
D 67	87.00	2.00	EXIT RIGHT at Exit 94 for El Rancho Road		1			
D 68	87.20	0.20	TURN LEFT at the bottom of the exit with signs towards Laramie Peak Scout Ranch and El Rancho Road, pass under interstate	Warning: Cattle grate at the base of the exit	1	55		
D 69	87.40	0.20	TURN RIGHT onto El Rancho Road/WY-319	RV Park & Campground on left corner Note: El Rancho Road narrow & rough	1	55	none	
D 70	89.10	1.70		Road curves right, passes under interstate, curves left				
D 71	89.50	0.40		Cross Cottonwood Creek				
D 72	92.90	3.40	CONTINUE STRAIGHT (sign for Cassa Road)	Access to I-25 North on left (exit 100)				
D 73	93.00	0.10	CONTINUE STRAIGHT to follow WY-319	Large pullout on left just before intersection, nicer pavement <i>Pine ridge visible to right afterwards</i>	1	65	none	
D 74	96.20	3.20		Solar panel on right, about to pass into small tree-lined ravine				
D 75	104.60	8.40		I-25 visible ahead, WY-319 rejoining the interstate corridor				

GERING, NE – CASPER, WY



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 76	105.20	0.60		Cross Horse Shoe Creek				
D 77	106.90	1.70		Entering Glendo (Pop 205, Elev 4,718ft)				all
D 78	107.10	0.20	CAUTION! ABRUPT speed limit drop (65mph to 30mph)!	Bridge over RR tracks		30	paved w/ curb	
D 79	107.40	0.30		A St, turnoff for I-25 on left (exit 111)				
D 80	107.50	0.10		Giant "It's Lake Time!" blue and white chair on right				
D 81	107.90	0.40	CONTINUE STRAIGHT to follow WY-319	Mile Marker 212	1	70	paved	
D 82	111.80	3.90		Glendo reservoir on right				
D 83	113.40	1.60		Cross Elkhorn Creek				
D 84	116.50	3.10		Entering Converse Country				
D 85	120.80	4.30		Cross North Platte River, metal truss rail bridge to left				
D 86	121.60	0.80	TURN LEFT at Stop Sign onto US-20/US-18 towards Douglas			40		
D 87	122.80	1.20		Sinclair gas station on right				fuel
D 88	123.20	0.40	CONTINUE STRAIGHT, do not enter I-25	Rest area on left, junction with I-25		30		
D 89	123.40	0.20		Pass over I-25		30		
D 90	123.50	0.10	FOLLOW as road curves sharply to the right	After the curve you will be driving north, parallel to I-25 on your right now on Orin Way	1	65	none	
D 91	128.60	5.10	CAUTION! Very sharp corner with suggested 25mph sign	Sharp right corner. Cross under I-25, 13' 8" bridge height. Sharp left corner afterward.				
D 92	130.70	2.10		Radio towers to right				
D 93	132.50	1.80		Access to I-25 on left ahead (exit 135)	2	45	paved w/ curb	fuel
D 94	133.10	0.60		Truck stop & motel				fuel, lodging

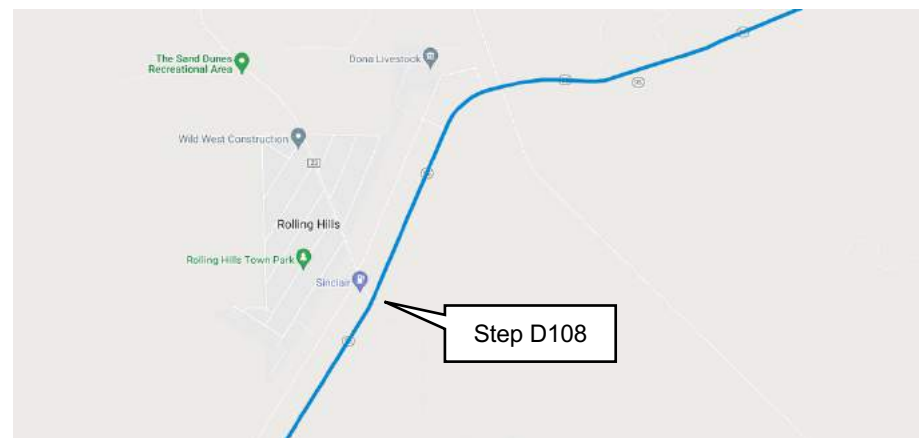
GERING, NE – CASPER, WY



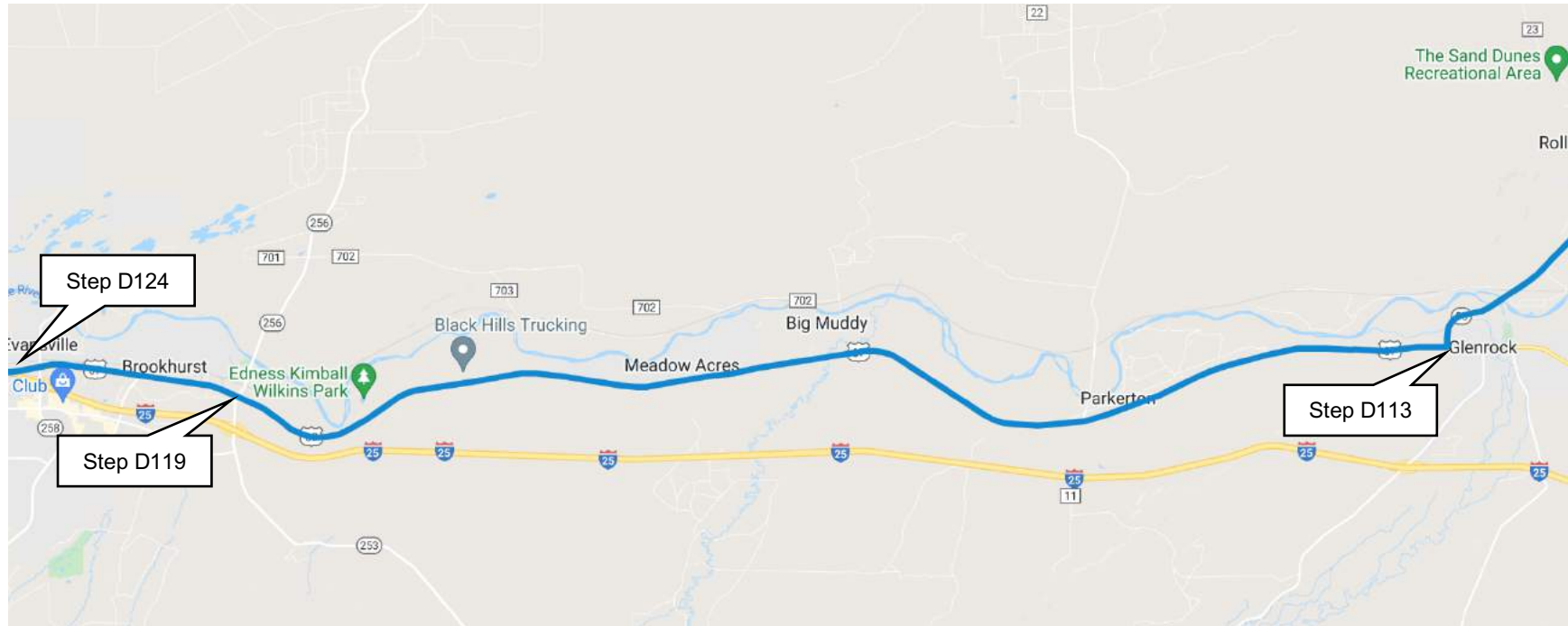
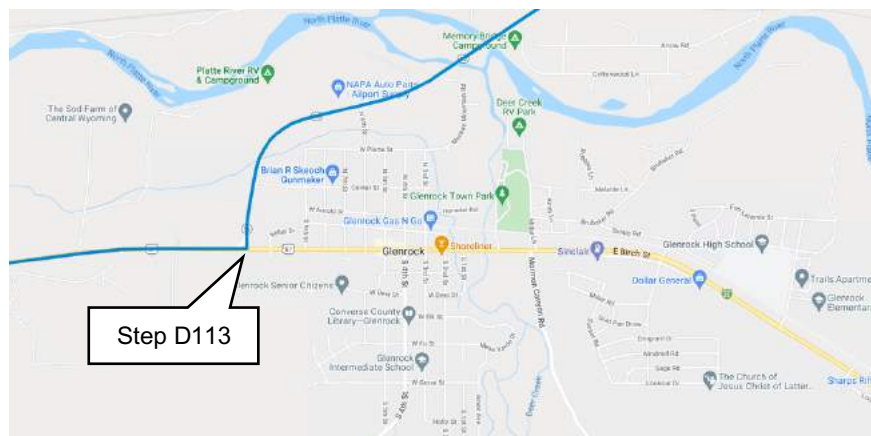
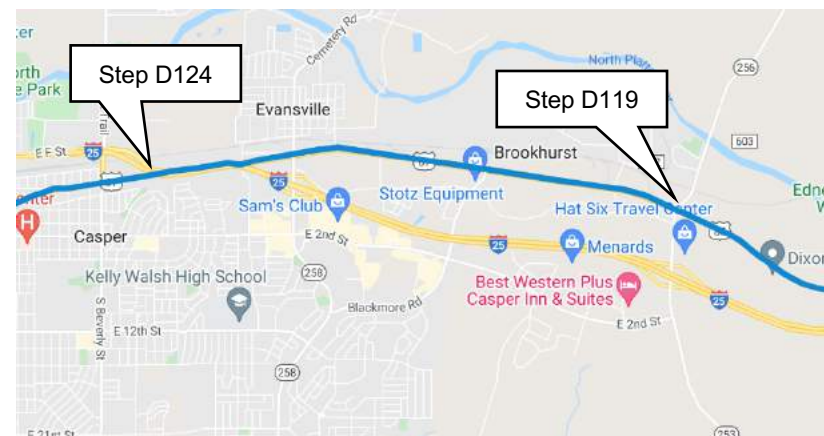
Douglas Detail



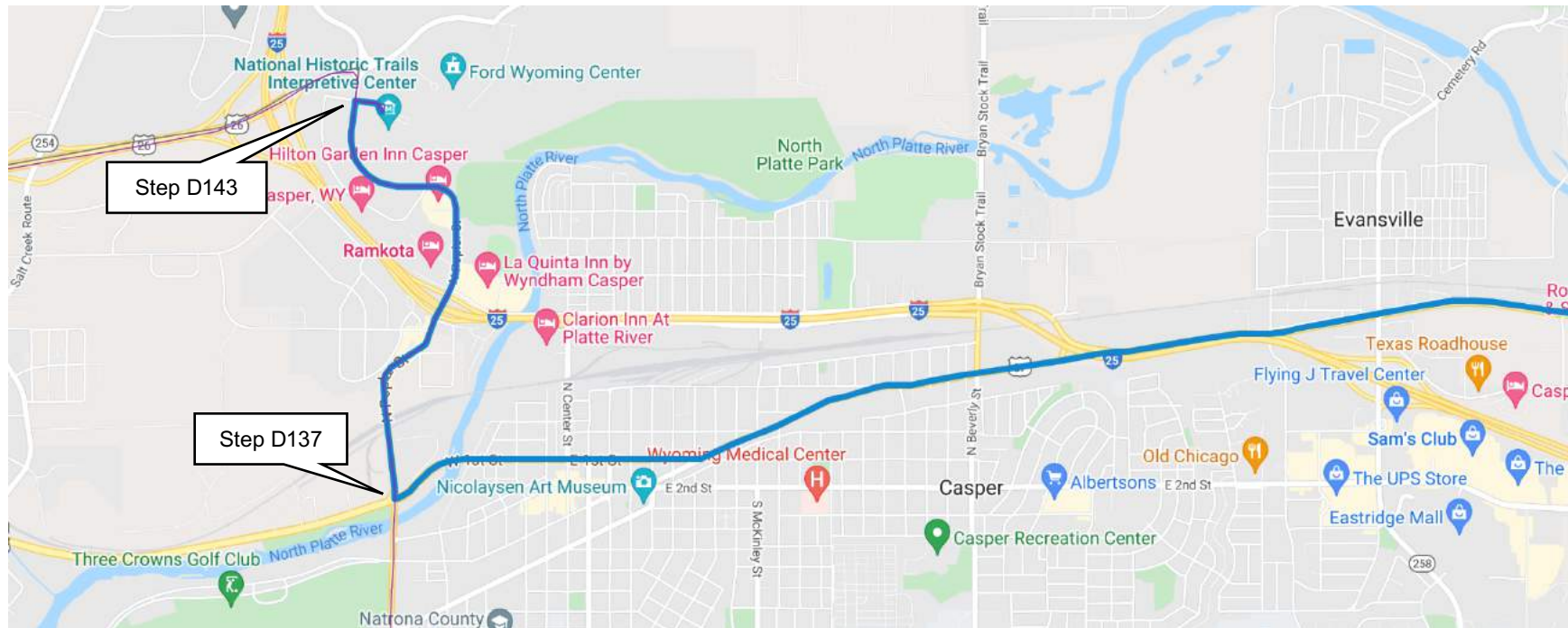
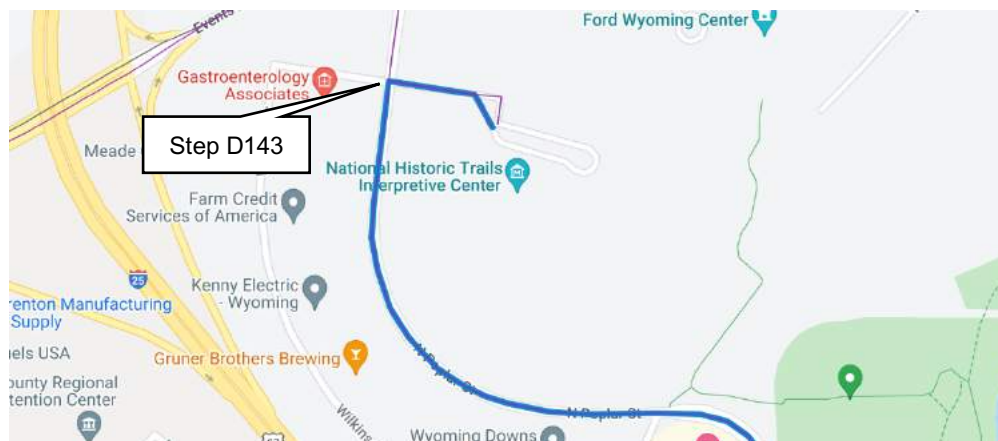
Rolling Hills Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 95	133.60	0.50	MERGE LEFT, right lane ends ahead	Entering Douglas (Pop 6,120, Elev 4,836ft)	1	30		all
D 96	135.10	1.50		SL for La Bonte Rd/4th St, followed by RR tracks			paved w/ curb	
D 97	136.30	1.20	TURN RIGHT at Stop Sign for S Riverbend Dr	Cross North Platte River before turn	2	30	paved w/ curb	
D 98	137.00	0.70	CONTINUE STRAIGHT, do NOT turn left here (I-25 onramp)! Prepare for turn immediately afterwards	SL for Yellowstone Highway with access to I-25 at left (exit 140)				fuel
D 99	137.10	0.10	TURN LEFT at first road (WY-93/Yellowstone Hwy) after the SL	Follow sign for "State Historic Site: Fort Fetterman" on right side of the road; Easy to miss	2	70	narrow paved	
D 100	137.40	0.30		State Historic Site "Fort Fetterman 7 miles"				
D 101	137.80	0.40	MERGE LEFT; right lane ends	Merge left, right lane ends Small wind turbine past crest of hill on left	1	70		
D 102	144.80	7.00		Fort Fetterman Historic Site on right				
D 103	145.70	0.90		Cross North Platte River & single RR track				
D 104	146.10	0.40		Historical marker & paved pullout on right "One Mile Hog Ranch"				
D 105	155.20	9.10	TURN LEFT onto WY-95 towards Rolling Hills and Glenrock. Small yellow sign for WY-95.	WARNING: PAY ATTENTION, EASY TO MISS. No turn lane, very little signage. At mile marker 18	1	65	narrow paved	
D 106	155.50	0.30		"Rolling Hills 13, Glenrock 17" Large oil derrick on right. Wind farm ahead and on right in the distance Cross 5,280ft (1 mile) elevation for the first time				
D 107	163.30	7.80		Passing through wind farm after two 90° bends <i>Top of the world peak due ahead</i>				
D 108	168.90	5.60		Access to Rolling Hills (Pop 440, Elev 5,291ft) on right	1	65		fuel

GERING, NE – CASPER, WY**Glenrock Detail****Casper Approach Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 109	169.10	0.20		Paved pullout (wide shoulder) on left			paved	
D 110	169.80	0.70		5% downward grade next 1.3 miles				
D 111	170.70	0.90		Speed changes after dual electric poles nearest to road		55	paved	
D 112	171.20	0.50		Cross North Platte River				
D 113	172.40	1.20	TURN RIGHT BEFORE Stop Sign onto US-20/US-26 West/US-87 North	Merge left after turning, right lane ends in 1/4 mile ahead Glenrock town to left	1	45	narrow paved	
D 114	173.10	0.70		Blue Grass River Ranch on right	1	70	narrow paved	
D 115	179.80	6.70		Pullout (mostly gravel) on right with historical marker			paved	
D 116	182.60	2.80		Entering Natrona County, Mile Marker 176				
D 117	185.60	3.00		Round-Up Road				
D 118	188.00	2.40		Edness Kimball Wilkins State Park access on right - cattle grate, large concrete pullout before gatehouse				
D 119	190.20	2.20		SL for WY-256, access to I-25 to left (exit 182) Entering Evansville (Pop 2,544, Elev 5,123ft)	2	55	narrow paved	
D 120	191.50	1.30		Sinclair Casper Refinery on right				
D 121	192.40	0.90			2	40	gravel	
D 122	193.00	0.60		SL for Curtis St, I-25 access to left (exit 185)			curb	
D 123	193.30	0.30		Entering Casper (Pop 55,316, Elev 5,123ft)		30		all
D 124	193.90	0.60	CONTINUE STRAIGHT on US-20/US-26/US-87 Business over I-25	Bryan Stock Trail exit				
D 125	194.10	0.20				30		
D 126	194.40	0.30		SL for N Beverly St				

GERING, NE – CASPER, WY**Final Approach to Casper Checkpoint****Casper Checkpoint**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 127	194.70	0.30	CONTINUE on US-20 Business/Yellowstone Highway	C St, Peerless Tires				
D 128	195.20	0.50		SL for East A St/N McKinley St				
D 129	195.40	0.20	TURN RIGHT at SL for E 1st St towards I-25 North	Galles Liquor Mart on right	2	30	curb	
D 130	195.70	0.30		SL for N Beech St				
D 131	195.80	0.10		SL for N Durbin St				
D 132	195.90	0.10		SL for N Wolcott St				
D 133	195.95	0.05		SL for N Center St				
D 134	196.00	0.05		SL for N David St				
D 135	196.10	0.10		SL for N Ash St				
D 136	196.20	0.10		Cross bridge over North Platte River	2	40		
D 137	196.50	0.30	TURN RIGHT at SL onto N Poplar St/WY-220		2	40	curb	
D 138	196.80	0.30		Bridge over RR tracks, speed limit drop on other side		30		
D 139	197.20	0.40		SL for English Ave				
D 140	197.30	0.10		2x SLs for Jct I-25/US-20/US-26				
D 141	197.30	0.00		SL for F St				
D 142	197.35	0.05		Uphill climb to the checkpoint	2	40	curb	
D 143	198.20	0.85	TURN RIGHT at the sign for the National Historic Trails Interpretive Center					
D 144	198.30	0.10	ARRIVE at Casper checkpoint	Follow staff directions				

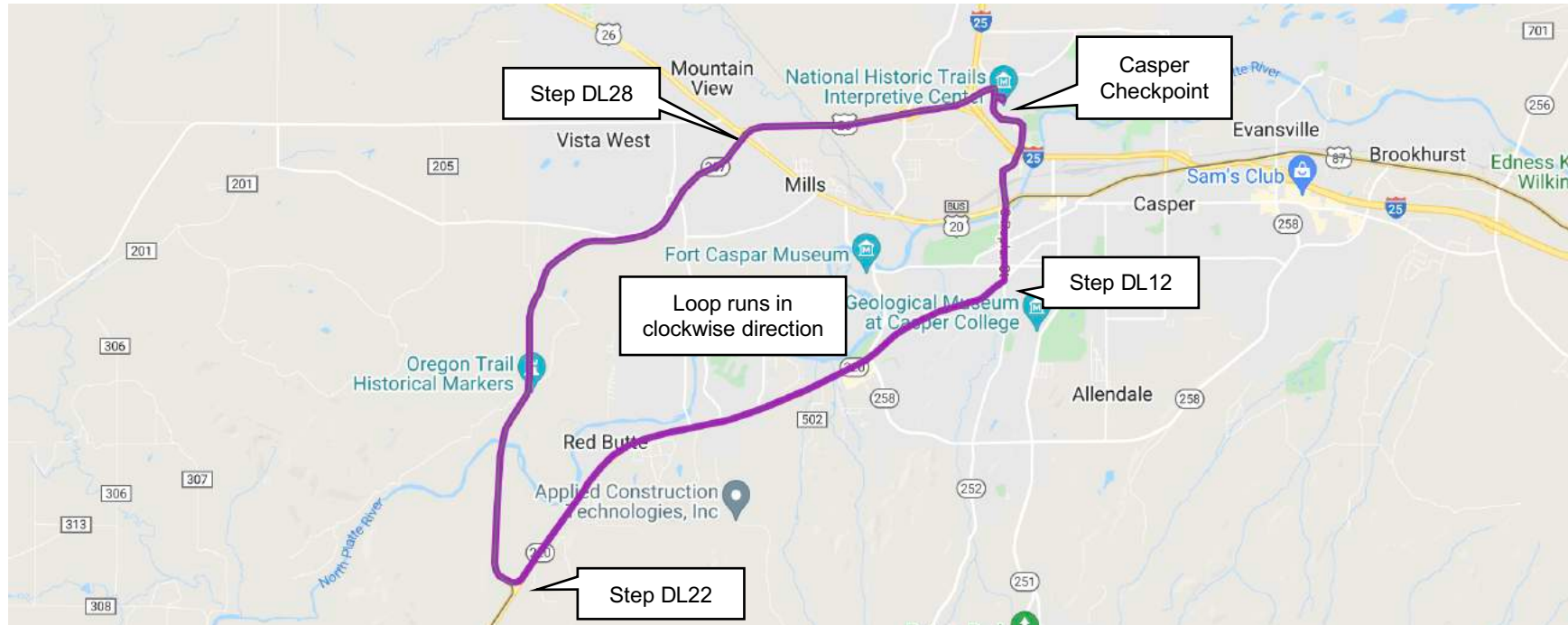
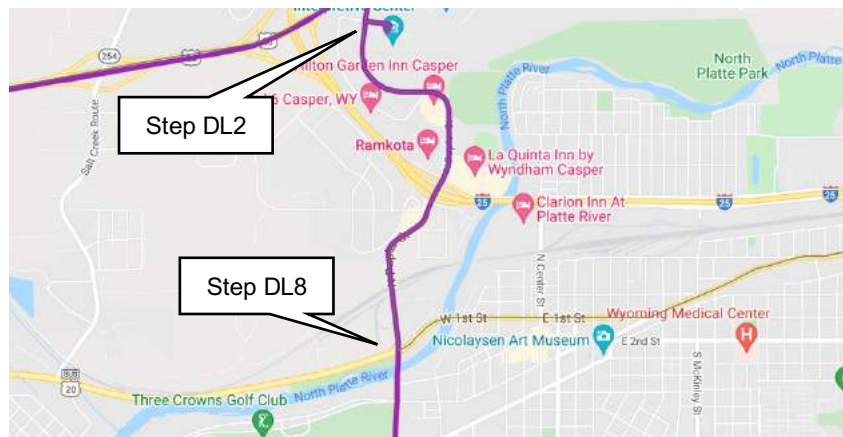
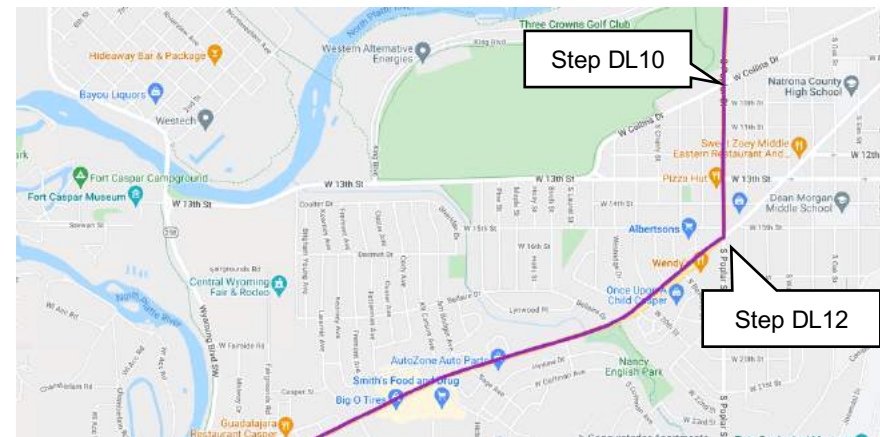


National Historic Trails Interpretive Center – Casper, WY – Checkpoint

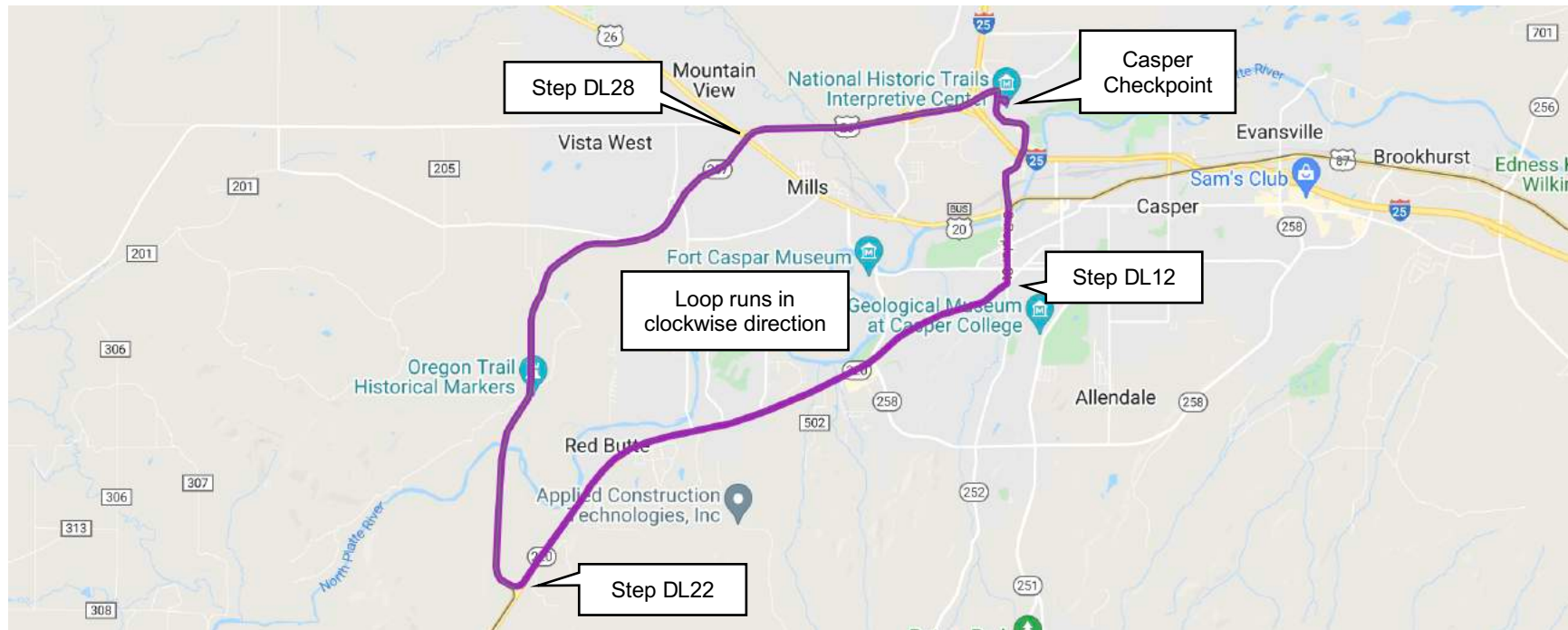
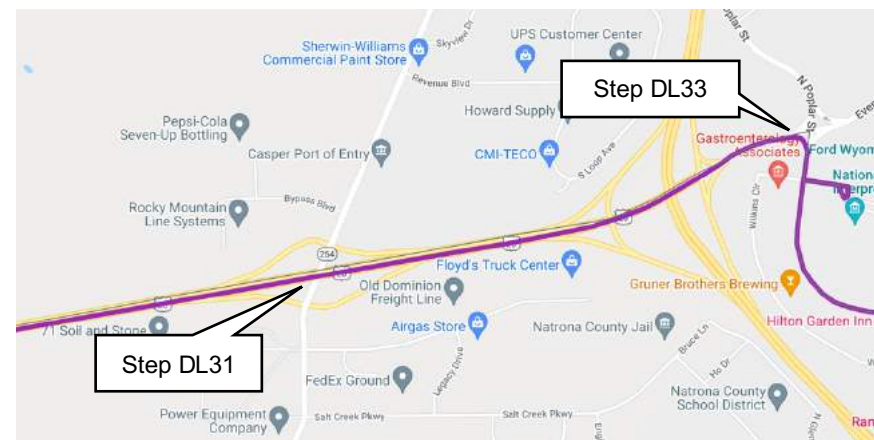


STAGE 2
OPTIONAL LOOP
(SEGMENT D LOOP)
CASPER

AMERICAN SOLAR CHALLENGE 2022

CASPER OPTIONAL LOOP**Steps DL1-DL10****Steps DL10-DL14**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
DL 1	0.00		LEAVE checkpoint					
DL 2	0.15	0.15	TURN LEFT onto Poplar St		2	40	curb	
DL 3	0.90	0.75				30		
DL 4	1.10	0.20		SL for F St				
DL 5	1.20	0.10		Two SLs for I-25 access, pass under I-25				
DL 6	1.30	0.10		SL for English St	2	30	curb	
DL 7	1.60	0.30		Bridge over RR tracks		40		
DL 8	1.90	0.30	CONTINUE STRAIGHT onto WY-220 West at SL for 1st St and Jct with US-20 and US-26 Business	SL 1st St				
DL 9	2.10	0.20		SL for Midwest Ave/King Blvd after crossing North Platte River		35		
DL 10	2.40	0.30		SL for Collins Dr		30		
DL 11	2.60	0.20		SL for W 13th St				
DL 12	2.80	0.20	TURN RIGHT at SL for CY Ave to continue following WY-220 West	SL CY Ave	2	30	curb	
DL 13	3.20	0.40		SL for Bellaire Dr		40		
DL 14	3.80	0.60		SL for Coffman Ave/Kit Carson Ave				
DL 15	4.30	0.50		SL for Pheasant Dr/Fairgrounds Rd				
DL 16	4.70	0.40	CONTINUE STRAIGHT at the SL for SW Wyoming Blvd/Jct WY-258					
DL 17	5.10	0.40		SL for Talon Dr, Walmart on left, Speed sign in left median after light	2	45	paved w/curb	
DL 18	6.20	1.10		SL for Paradise Dr				
DL 19	6.40	0.20		SL for Valley Dr, Exxon on corner	2	45	paved	fuel
DL 20	7.10	0.70		SL for Robertson Rd	2	55		
DL 21	8.70	1.60		Views of North Platte River to right				
DL 22	10.10	1.40	EXIT RIGHT to follow WY-257	Right turn lane/exit lane. Speed changes at end of ramp	1	45	paved	
DL 23	10.60	0.50			1		paved	

CASPER OPTIONAL LOOP**Steps DL22-DL24****Steps DL31-DL35**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
DL 24	12.10	1.50		Bridge over North Platte River, gain passing lane for 3/4 mile immediately after	2			
DL 25	12.80	0.70	MERGE LEFT, passing lane ends ahead	Oregon Trail State Historic Marker on right	1			
DL 26	16.10	3.30				45		
DL 27	17.20	1.10		Speed changes across from white tanks	2	40	paved	
DL 28	17.40	0.20		SL for Jct with US-20 and US-26 Business				
DL 29	17.60	0.20		Heavy equipment lot to the right	2	65	paved	
DL 29	17.60	0.20		Heavy equipment lot to the right	2	65	paved	
DL 30	18.40	0.80		Cross Casper Creek				
DL 31	19.10	0.70	CONTINUE STRAIGHT at Jct with WY-254		2			
DL 32	20.30	1.20		SL for access to I-25 North, Speed changes at Floyd's Truck Venter on right		40		
DL 33	20.50	0.20	TURN RIGHT onto Poplar St with signs for the National Historic Trails Interpretive Center					
DL 34	20.70	0.20	TURN LEFT into the checkpoint					
DL 35	20.80	0.10	ARRIVE at Casper checkpoint	Follow staff directions				

STAGE 2

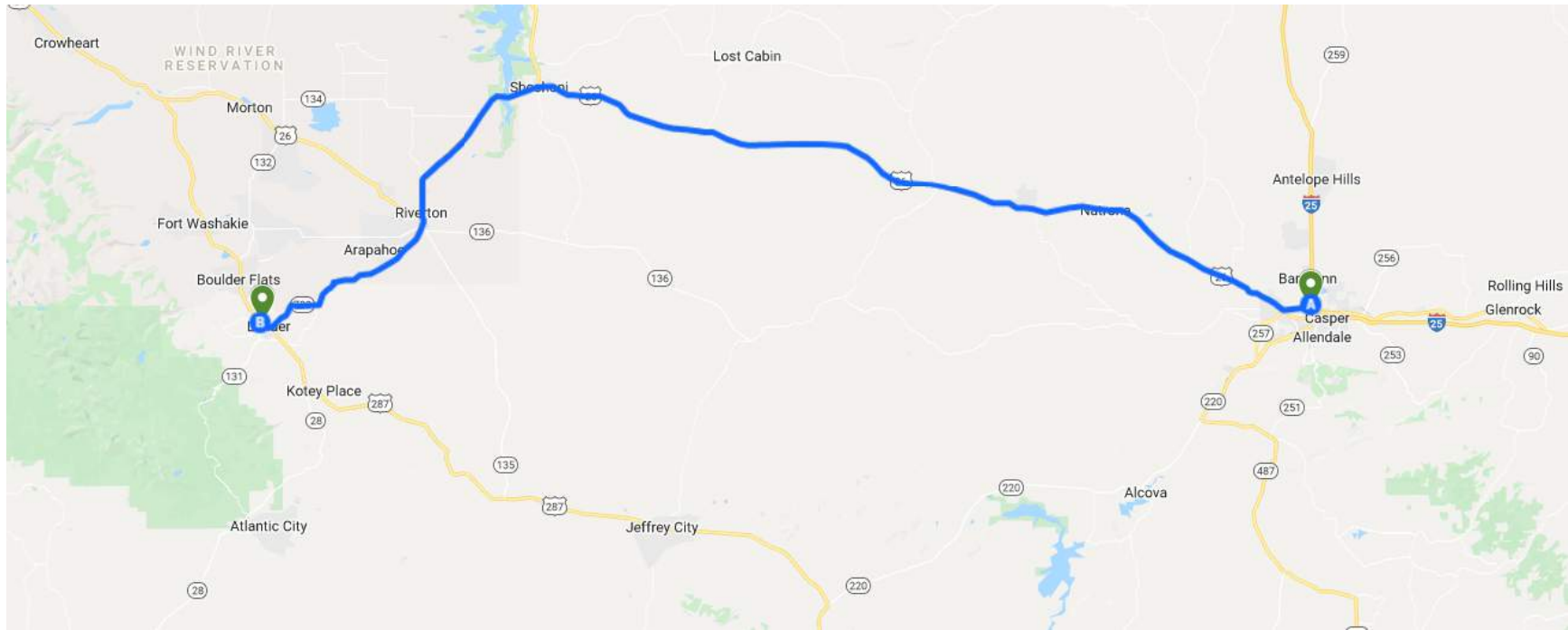
SEGMENT E

AMERICAN SOLAR CHALLENGE 2022

Casper, WY – Lander, WY

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Note: the solar cars will be following the southern route of WY-220 and US-287. As you can see, there are limited roads connecting the two routes, so if your team feels you need your trailer to have closer access, you may follow the solar car route.

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	NOTE: Support vehicles have the option of following the solar car route or taking the northern route to Lander per the map and steps below.	
0	TURN LEFT onto Events Dr.	
0.8 mi	TURN RIGHT onto US-20 W/US-26 toward Riverton	
117.5 mi	Continue onto WY-789 S/S Federal Blvd	
24.6 mi	TURN RIGHT onto E Main St	
1.6 mi	TURN LEFT onto Tiger Drive to enter Lander Valley High School	Take the walking path to the Stage Stop at the Fremont County Pioneer Museum

Approx. 149 miles (2 hr, 26 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

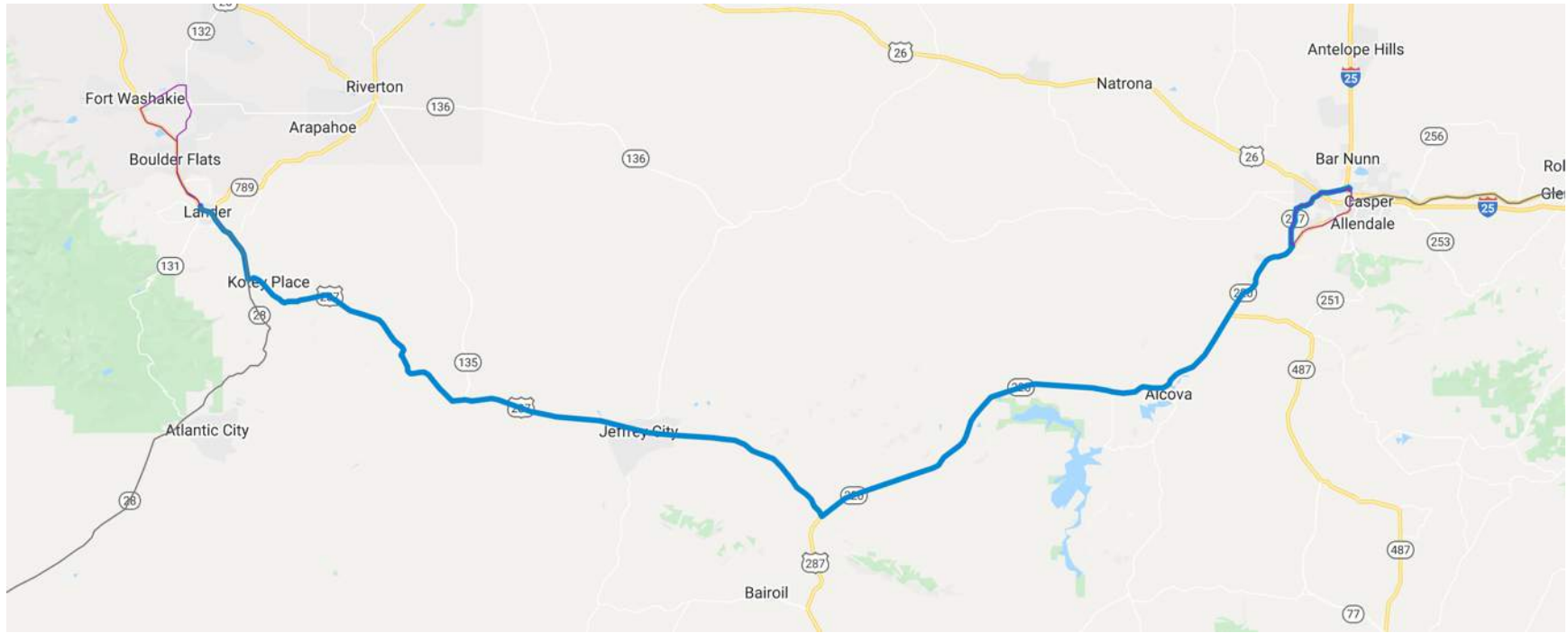


National Historic Trails Interpretive Center – Casper, WY – Checkpoint



SOLAR CAR ROUTE OVERVIEW

CASPER, WY – LANDER, WY

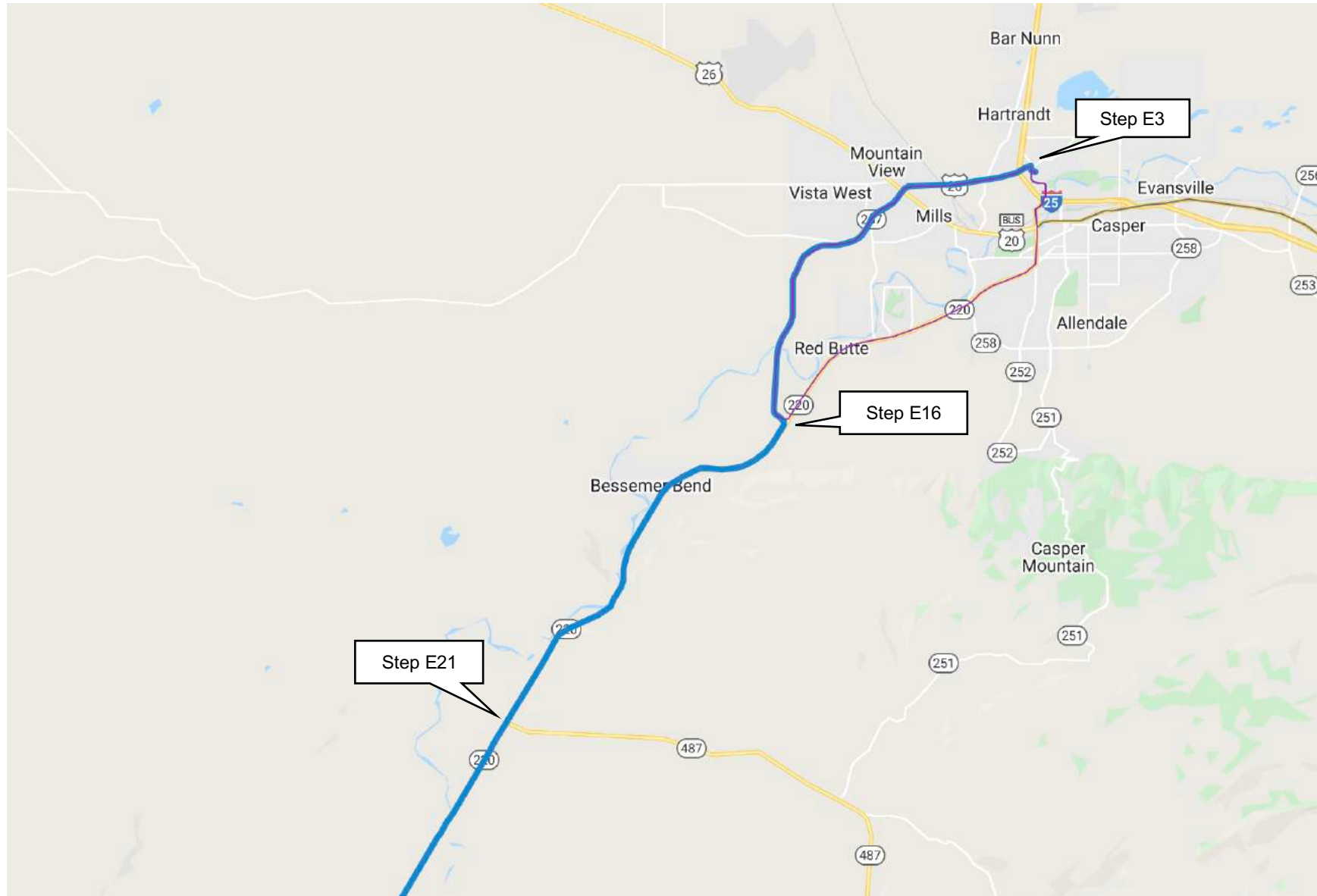


CASPER, WY – LANDER, WY

CHECKPOINT:
National Historic Trails Interpretive Center
1501 N Poplar St, Casper, WY 82601

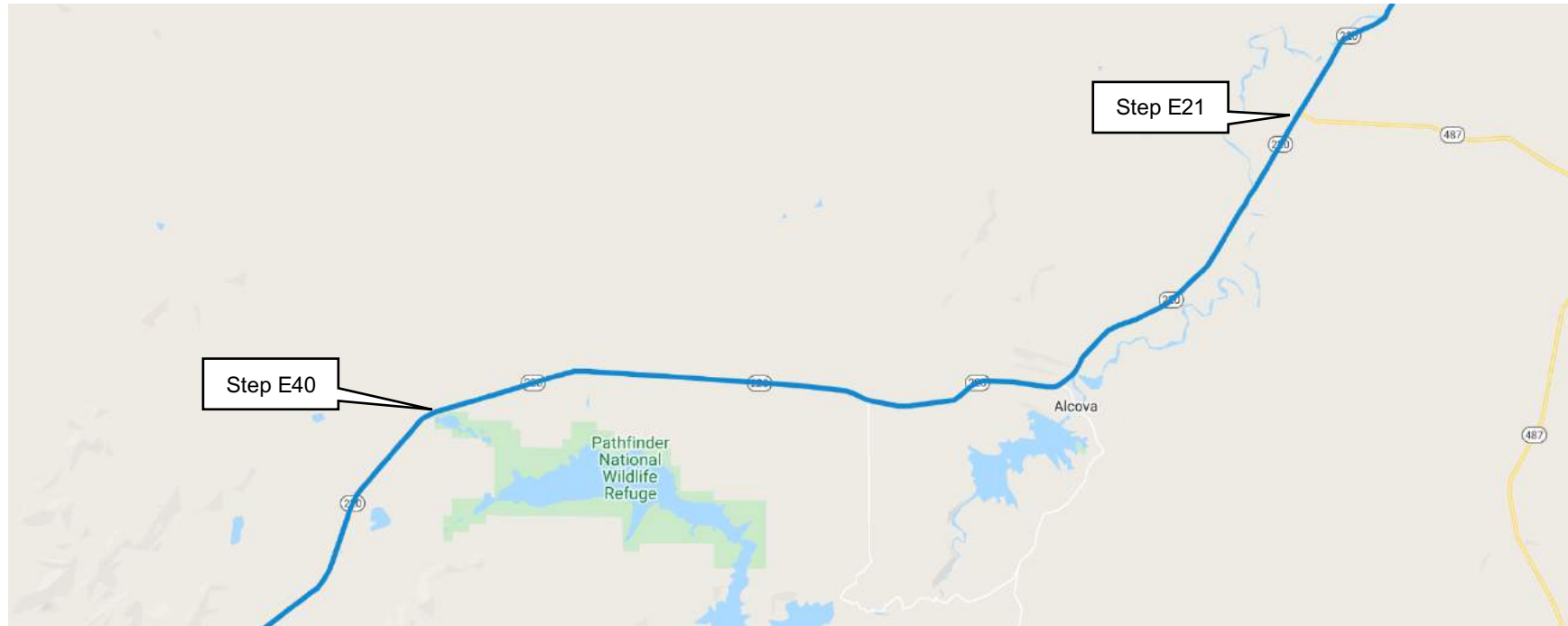
STAGE STOP:
Fremont County Pioneer Museum
1443 W Main St, Lander, WY 82520



CASPER, WY – LANDER, WY

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 1	0.00		LEAVE checkpoint					
E 2	0.10	0.10	TURN RIGHT onto Poplar St	Get in the left lane immediately	2	40	curb	
E 3	0.20	0.10	TURN LEFT at Stop Sign for Events Dr	Stay out of the right lane - it's turn only at the SL in a quarter mile.	3	40	paved	
E 4	0.40	0.20		SL for I-25 access				
E 5	0.80	0.40	CONTINUE on US-20 West/US-26 West towards Shoshoni, Riverton, and Thermopolis		2	65	paved	
E 6	1.10	0.30		Port of Entry/WY-254 exit		40		
E 7	3.30	2.20	CONTINUE STRAIGHT onto WY-257 towards WY-220	DO NOT exit right onto US-20/US-26		40		
E 8	3.40	0.10		SL with signs for WY-257 to WY-220	2	40		
E 9	3.60	0.20			1	55	paved	
E 10	4.60	1.00		Robertson Rd				
E 11	4.70	0.10			1	65	paved	
E 12	8.10	3.40		Historical marker/paved pulloff on left after power line crosses road				
E 13	8.80	0.70		Cross North Platte River				
E 14	9.10	0.30		Gain passing lane for next 2 miles	2			
E 15	10.30	1.20				45		
E 16	10.60	0.30	EXIT RIGHT onto WY-220 West towards Rawlins	Note: increasingly spotty cell phone coverage until Lander	1			
E 17	10.80	0.20	MERGE LEFT onto WY-220 West		2	65	paved	
E 18	12.60	1.80		Large paved pulloff on right				
E 19	15.30	2.70	MERGE LEFT, right lane ends ahead	Extremely large paved pulloff on right where right lane ends <i>Views of Red Rock Cliff and Bessemer Mountain on right</i>	1	65	paved	
E 20	15.80	0.50		Guardrail and North Platte River on right next two miles				
E 21	21.30	5.50	CONTINUE STRAIGHT on WY-220 West with signs towards Alcova and Rawlins	Jct WY-487 <i>Pyramid and Bradley Peaks due ahead on horizon</i>	1	70	paved	

CASPER, WY – LANDER, WY



Alcova Detail

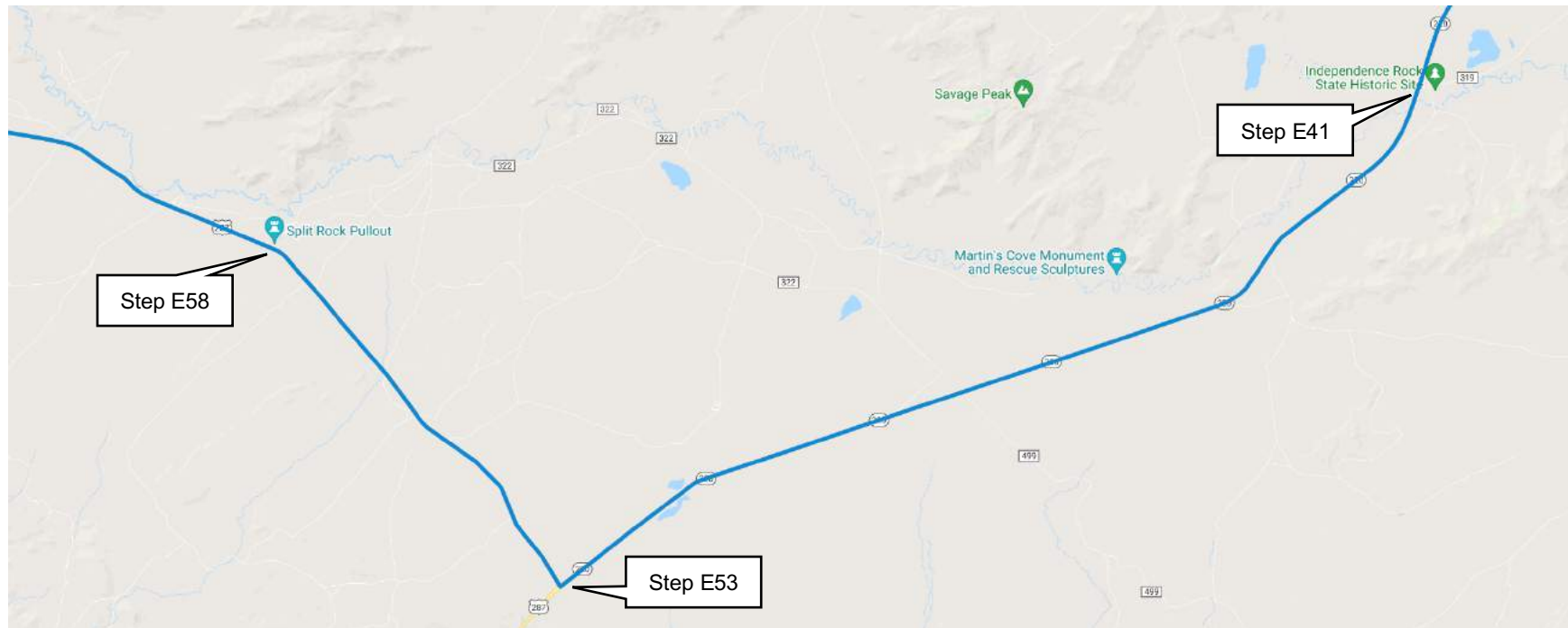


Steps E35-E40



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 22	24.30	3.00		Cross North Platte River for the last time, river access at right with bathrooms				
E 23	29.30	5.00		Gain passing lane for next mile	2		narrow paved	
E 24	30.30	1.00	MERGE LEFT, right lane ends ahead		1		paved	
E 25	31.60	1.30		Gain passing lane for 7 miles Riverview Inn on right	2		narrow paved	
E 26	31.60	0.00		Point of Interest paved pulloff on right				
E 27	32.10	0.50		Alcova (elev 5,366)				fuel
E 28	36.10	4.00		Lakeridge Rd, large paved pulloff on left, sign for Lake Ridge Estates/Picture Turnout				
E 29	37.90	1.80		Turnoff for Pathfinder Dam/CR 409				
E 30	38.50	0.60	MERGE LEFT, right lane ends ahead		1	70	paved	
E 31	39.00	0.50		Paved pulloff on right and left for semi parking				
E 32	40.00	1.00		Microwave relay tower on right				
E 33	44.40	4.40		Gain passing lane for next mile				
E 34	45.50	1.10						
E 35	46.40	0.90		Cross Horse Creek				
E 36	47.20	0.80		CR 319, Pathfinder Ranch & Steamboat Rock on left				
E 37	49.70	2.50		Steamboat lake ahead on left				
E 38	49.90	0.20		Gain passing lane for 3/4 mile	2		narrow paved	
E 39	50.70	0.80	MERGE LEFT, right lane ends ahead	Pulloff for Steamboat Lake Interpretive Site & Pathfinder National Wildlife Refuge on left	1		paved	
E 40	51.30	0.60		CR 321				
E 41	55.60	4.30		Rest area on left, next to lava bubble rock formation (Independence Rock)				

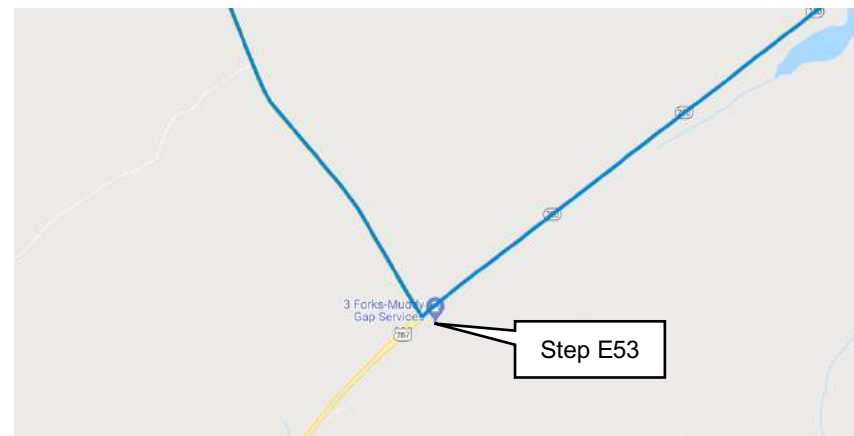
CASPER, WY – LANDER, WY



Steps E41-E43



Steps E52-E54

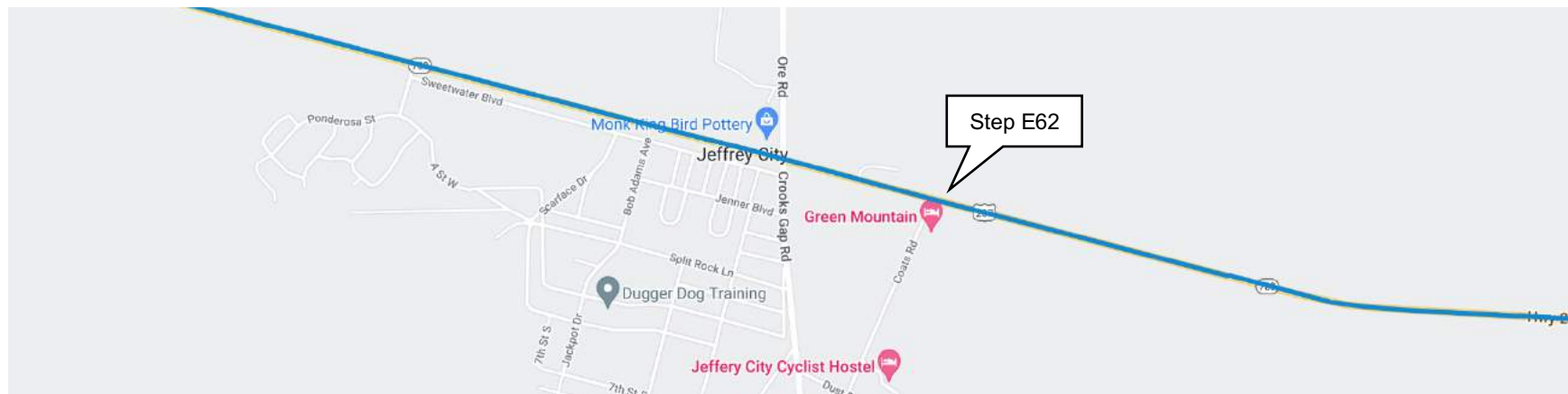


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 42	56.00	0.40		Cross Sweetwater River, "Lander 100 miles"				
E 43	57.40	1.40		Gain passing lane for next mile	2		narrow paved	
E 44	58.40	1.00	MERGE LEFT, right lane ends ahead		1		paved	
E 45	59.50	1.10		Dumbell Ranch on right, Mormon Handcart Historic Site				
E 46	61.30	1.80		Paved pulloff on right for Devil's Gate historic site, with cattle guard at entrance				
E 47	62.10	0.80		Natl Hist Place Martins Cove Visitors Center on right <i>Ferris Mountains visible ahead to the left</i>				
E 48	62.90	0.80		Gain passing lane for next mile	2		narrow paved	
E 49	64.10	1.20	MERGE LEFT, right lane ends ahead	Large paved pulloff "Wyoming's Wildlife" on right <i>Granite Mountains visible to right on horizon</i>	1		paved	
E 50	68.40	4.30		Gain passing lane for next mile	2		narrow paved	
E 51	69.40	1.00	MERGE LEFT, right lane ends ahead	<i>Camp Creek Hill looms ahead in distance</i>	1		paved	
E 52	69.80	0.40		Ranch 66 Missionary Village turnoff on right				
E 53	74.40	4.60	TURN RIGHT onto US-287 North/WY-789 North toward Lander at Muddy Gap Junction	Follow signs for the Auto Tour Route	1	70	paved	fuel
E 54	74.60	0.20		Muddy Gap Fire Station on left				
E 55	79.30	4.70		Mile Marker 5 on right (really tricky to see)				
E 56	80.90	1.60		Entering Natrona County <i>Granite Mountains ahead to right</i>				

CASPER, WY – LANDER, WY

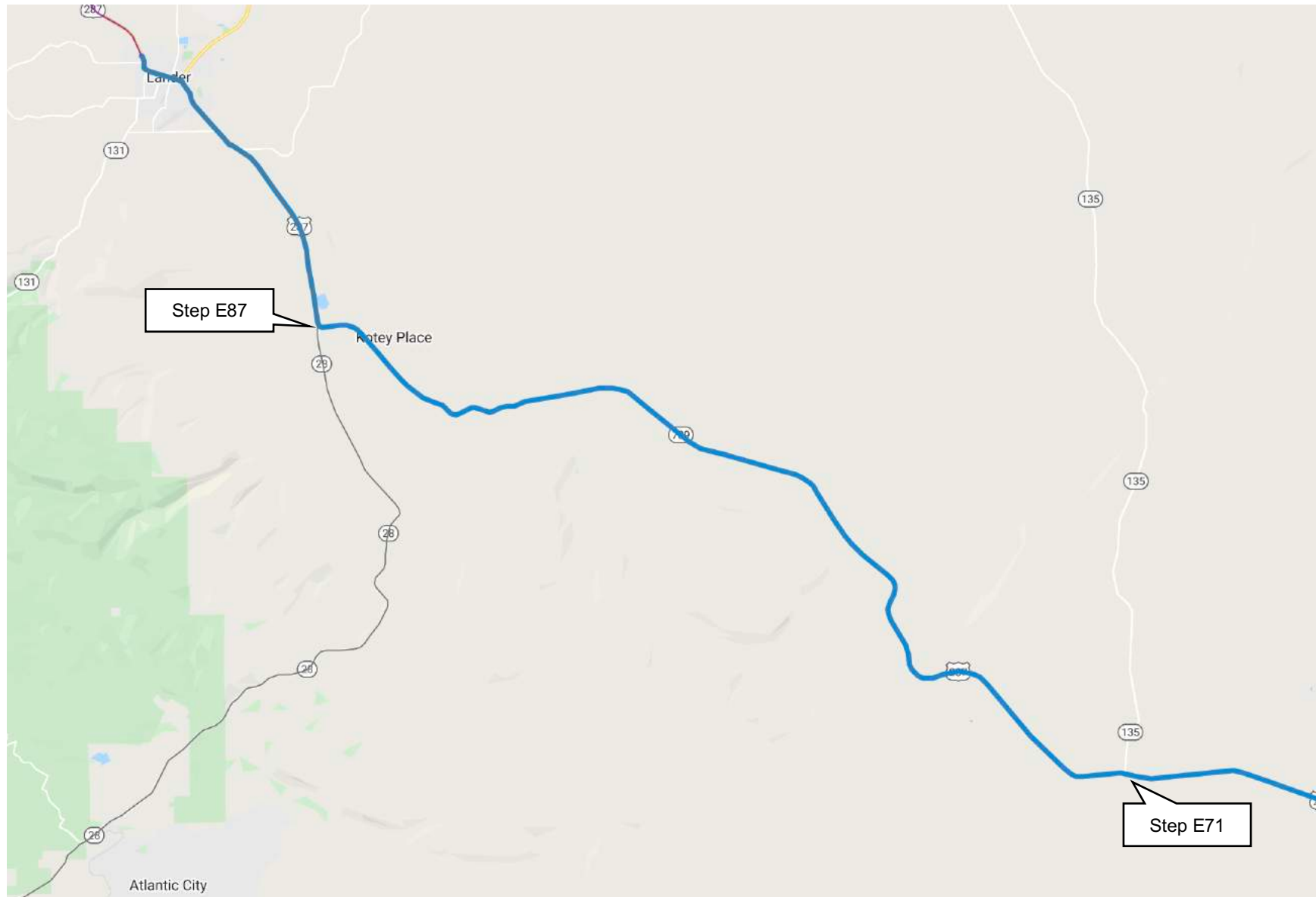


Jeffrey City Detail

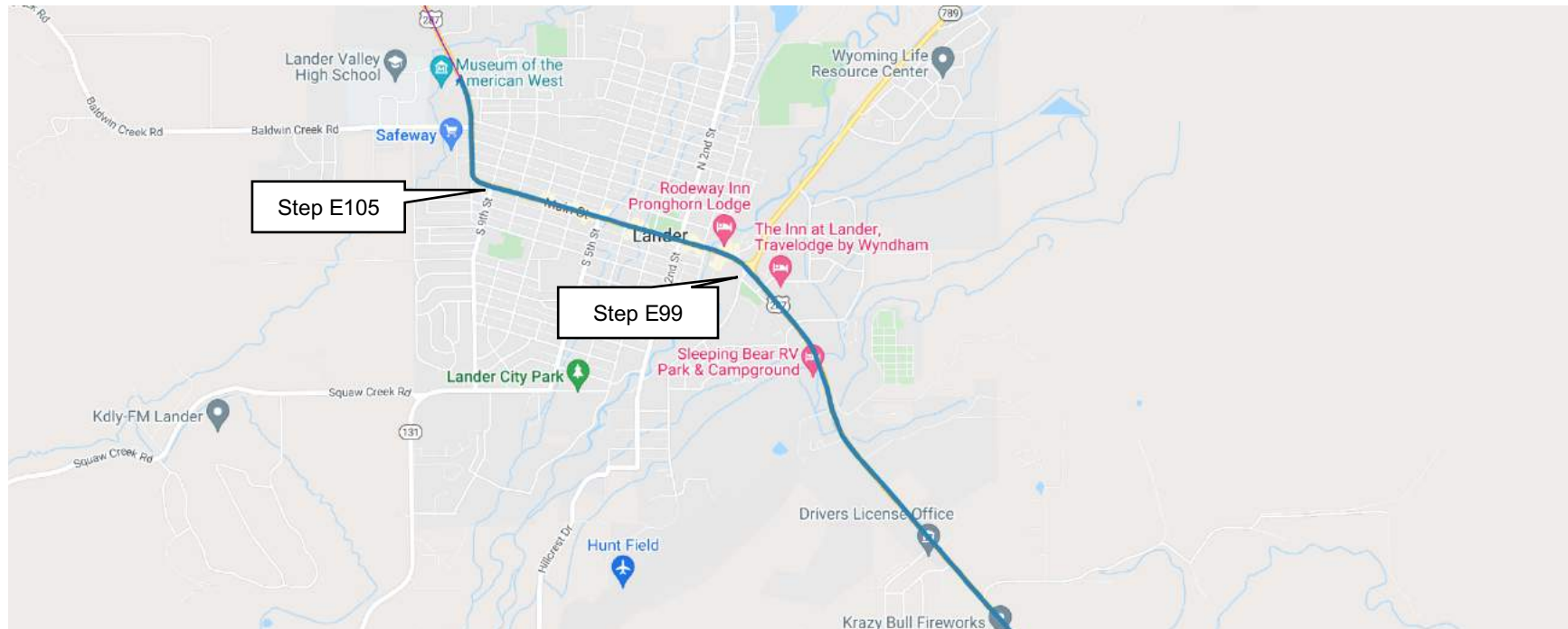
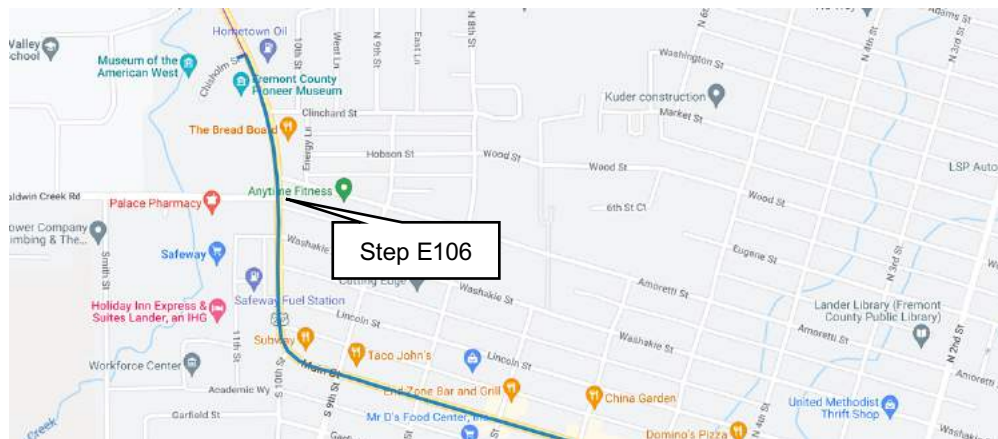


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 57	82.30	1.40		Entering Fremont County				
E 58	82.50	0.20		Split Rock Historic Site pulloff on right				
E 59	85.70	3.20		Historical marker and paved pulloff on right. Sweetwater river also on right				
E 60	87.00	1.30		Cross Cottonwood Creek				
E 61	91.20	4.20		Green Mountain Road #2411 turnoff on left <i>Green Mountains visible to left; high point: Green Mountain</i>				
E 62	96.80	5.60		Entering Jeffrey City (elev 6324)		50		fuel, food
E 63	98.10	1.30		Paved pulloff (wide shoulder) on right	1	70	paved	
E 64	100.30	2.20		Mile marker 26 on right (hard to see)				
E 65	106.80	6.50		Historical marker "Ice Slough" on right with paved pulloff Cross Ice Slough				
E 66	109.70	2.90		Paved pullout, both sides				
E 67	112.40	2.70		Gain passing lane for next mile	2		narrow paved	
E 68	113.40	1.00	MERGE LEFT, right lane ends ahead		1		paved	
E 69	115.20	1.80		Pair of large paved pulloffs on both left and right				
E 70	115.90	0.70		Cross Sweetwater River, Elev 6562				
E 71	116.20	0.30	CONTINUE STRAIGHT on US-287/WY-789 towards Lander	Rest area on right, Jct WY-135				
E 72	120.00	3.80		Paved pullout on right				
E 73	120.80	0.80		Paved pullout on right				
E 74	121.10	0.30		Atlantic City Rd to left				
E 75	121.80	0.70		Large paved pullout on right				
E 76	122.00	0.20		6% downward grades next 6 miles				
E 77	122.40	0.40		Historical marker and large paved pulloff with spectacular views on both sides				

CASPER, WY – LANDER, WY



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 78	126.50	4.10		Pulloff on both sides				
E 79	127.80	1.30		Pulloff on both sides				
E 80	128.50	0.70		Cross Beaver Creek, mile marker 54				
E 81	131.80	3.30		"Lander 22 miles"				
E 82	137.60	5.80		Cross Twin Creek				
E 83	139.30	1.70		Cross Twin Creek (again)				
E 84	140.20	0.90		Gravel parking area on right for Johnny Behind the Rocks, cattle guard at entrance				
E 85	145.40	5.20		Little PoPo Agie River				
E 86	145.50	0.10		Paved pulloff on left and right sides				
E 87	146.30	0.80	EXIT RIGHT (before Stop Sign) to follow US-287 North/WY-789 North towards Lander	Jct WY-28, sign towards Chief Washakie Trail				
E 88	146.50	0.20	MERGE LEFT onto US-287 North towards Lander		1	70	paved	
E 89	146.90	0.40		Twin Pines RV Park & Campground on left; Dry Lake on the right				
E 90	149.30	2.40		Gain passing lane for next 1/4 mile	2		narrow paved	
E 91	149.70	0.40	MERGE LEFT, right lane ends ahead		1		paved	
E 92	150.60	0.90		Carpenter Rd on left				
E 93	151.30	0.70		Gain passing lane for next 1/4 mile	2		narrow paved	
E 94	151.80	0.50	MERGE LEFT, right lane ends ahead		1		paved	
E 95	152.10	0.30		Speed changes just after the "Adopt a Highway" sign. Large paved pulloff on left and right afterwards		65		
E 96	152.40	0.30		Lyons Valley Rd on right				
E 97	154.00	1.60		Entering Lander (Pop 7,487, Elev 5,357ft)	2	45	curb	all
E 98	154.50	0.50				30		

CASPER, WY – LANDER, WY**Final Approach to Lander Stage Stop****Lander Stage Stop**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 99	154.90	0.40	CONTINUE STRAIGHT at the SL for US-287 North towards Dubois-Teton Yellowstone	Jct WY-789, McDonald's on corner	2	30	curb	
E 100	155.20	0.30		SL for Second Street "Signals set for 25mph"				
E 101	155.30	0.10		SL for Third Street				
E 102	155.40	0.10		SL for Fourth Street				
E 103	155.50	0.10		SL for Fifth Street				
E 104	155.70	0.20		SL for Seventh Street				
E 105	156.00	0.30		SL for Ninth Street				
E 106	156.20	0.20		SL for Baldwin Creek Rd, Silver Spur Bowling Lanes on right				
E 107	156.40	0.20	TURN LEFT into the Fremont County Pioneer Museum at the sign for the Lander Welcome Center and Museum of the American West	Follow staff directions				



Fremont County Pioneer Museum – Lander, WY – Stage Finish



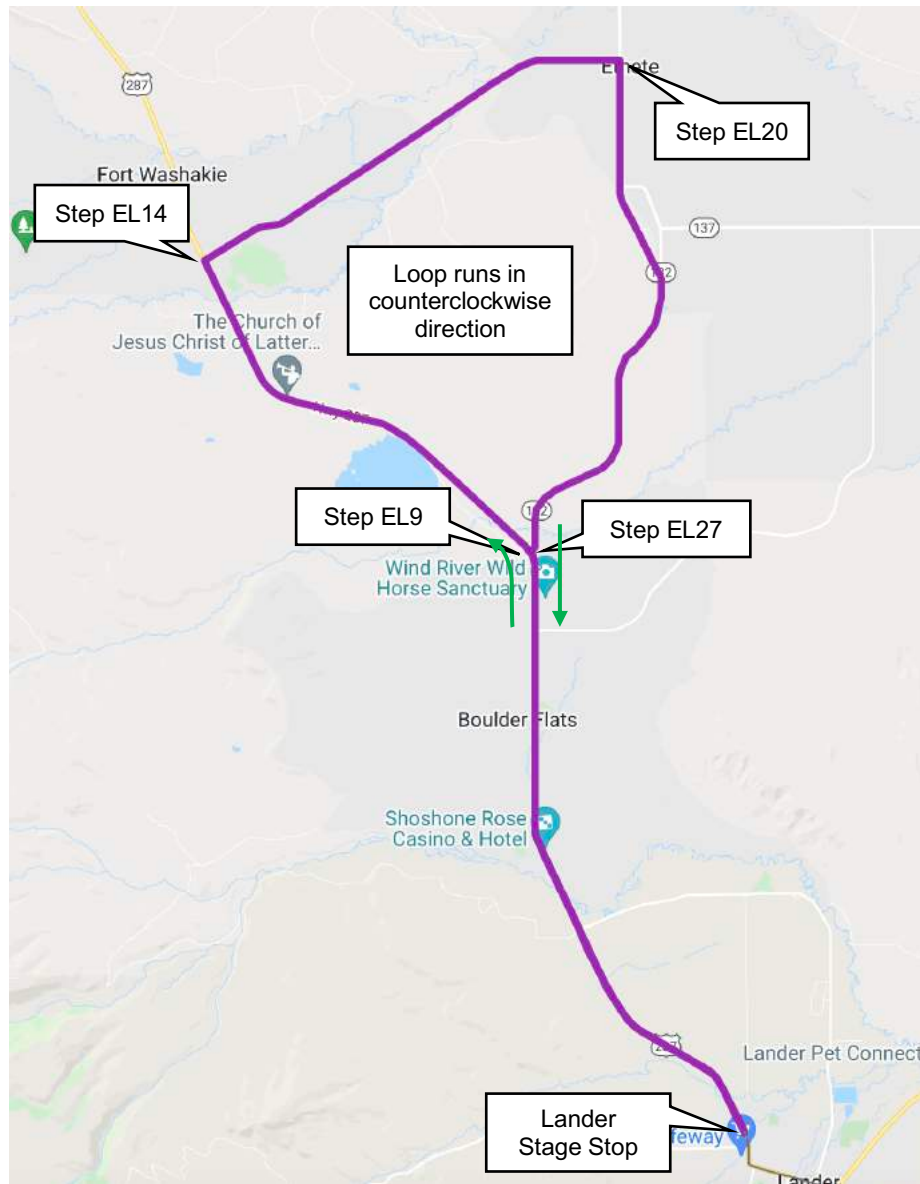
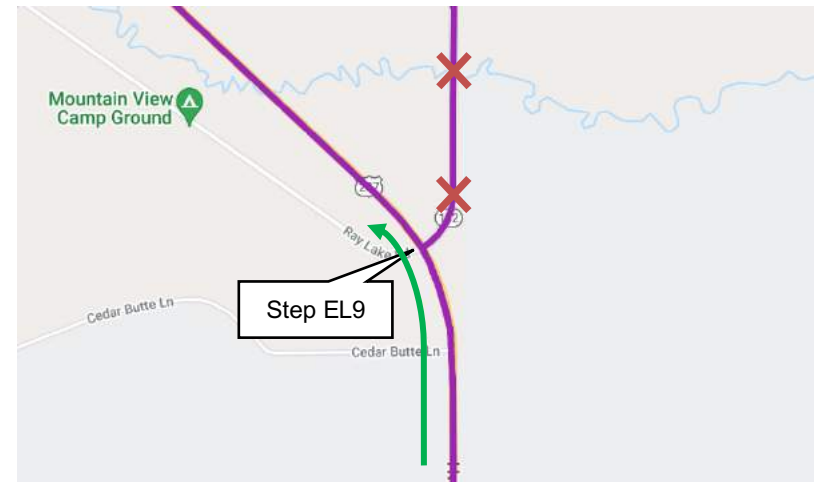
STAGE 2

OPTIONAL LOOP

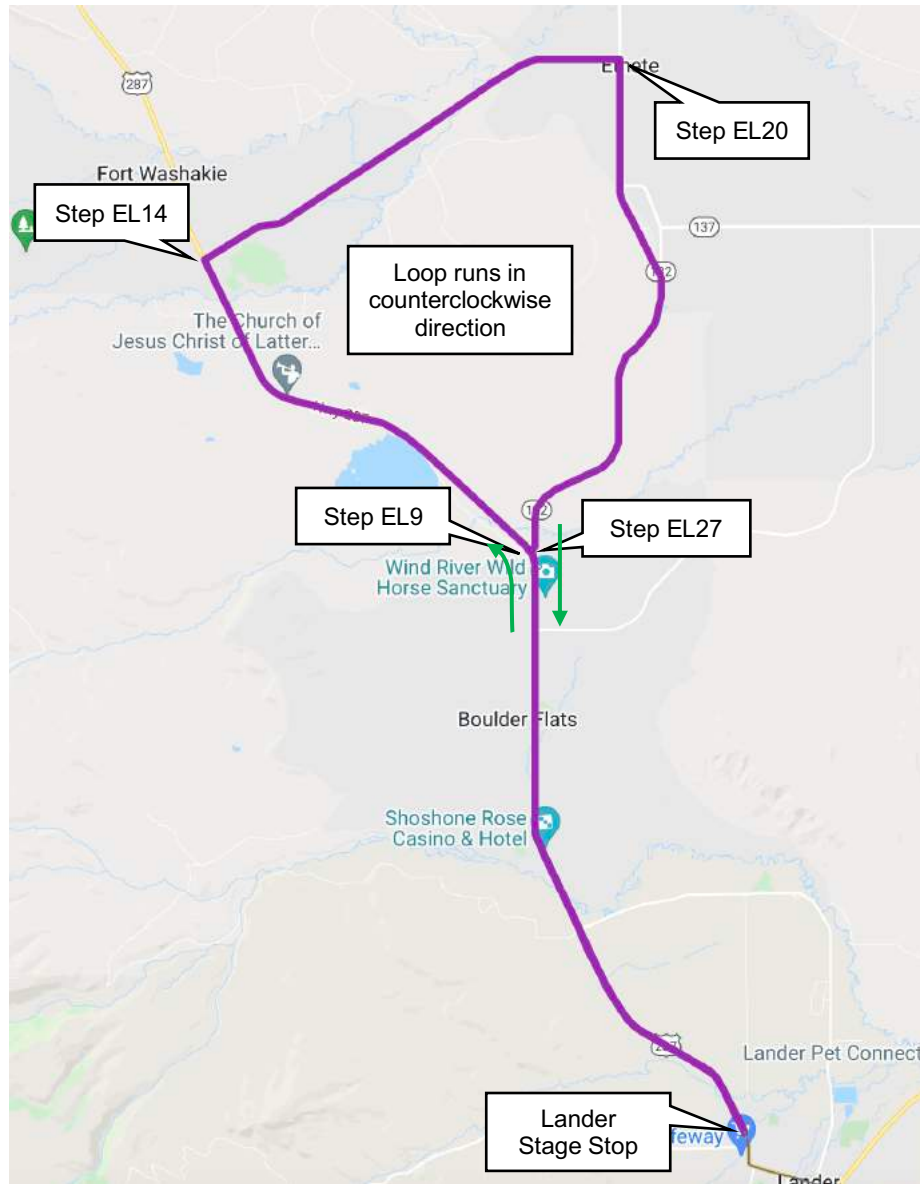
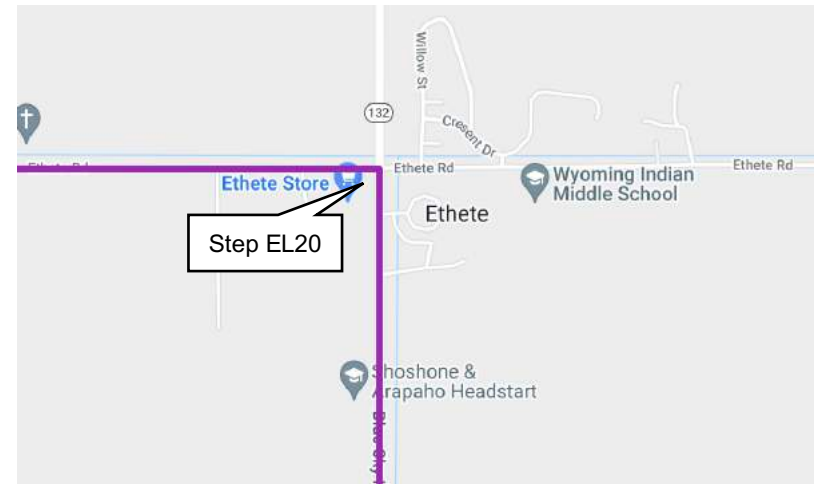
(SEGMENT E LOOP)

LANDER

AMERICAN SOLAR CHALLENGE 2022

LANDER OPTIONAL LOOP**Steps EL9-EL10****Steps EL13-EL14**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 1	0.00		TURN LEFT out of the parking lot		2	30	paved w/curb	
EL 2	0.20	0.20	MERGE LEFT, right lane ends ahead		1	40		
EL 3	0.70	0.50		"Chief Washakie Trail" sign on right		65	wide paved	
EL 4	3.00	2.30		Speed changes at little log cabin on the right		40		
EL 5	3.10	0.10		Fremont County Fire Dept on right				
EL 6	3.40	0.30		Lower North Fork Road		65		
EL 7	3.70	0.30		North Fork Pogo Agie River, "Entering Wind River Indian Reservation"				
EL 8	4.30	0.60		Shoshone Rose Casino Hotel on right				
EL 9	7.80	3.50	CONTINUE STRAIGHT at WY-132	Jct WY-132; Arrow pointing to Ethete <i>Views of the Wind River Range on left horizon</i>	1	70	paved	
EL 10	8.30	0.50		Wide paved pulloff on right				
EL 11	9.60	1.30		JCT Ray Lake Rd, Mile marker 11 <i>Ray Lake Reservoir visible to left</i>				
EL 12	12.60	3.00		Jct Old Wind River Hwy, Mile marker 14				
EL 13	13.00	0.40		Pullout on the left		40		
EL 14	13.30	0.30	TURN RIGHT onto Ethete Rd, sign for Trout Creek Rd PAY ATTENTION: NO STOP SIGN!	Wind River Trading Co on left, Frank B. Wise Business Plaza on right	1	40	paved	food
EL 15	13.90	0.60				35		
EL 16	14.30	0.40		[E A G] [L E S] gate on left at Fort Washakie Schools				
EL 17	14.70	0.40		Speed change after Deadhorse Rd		55		
EL 18	16.30	1.60		Large paved pulloff on right <i>Bighorn ridge visible ahead to left</i>			paved w/curb	

LANDER OPTIONAL LOOP**Ethete Detail****Step EL27**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 19	18.00	1.70		Speed change past Thunder Lane		30		
EL 20	18.90	0.90	TURN RIGHT at SL onto WY-132/Blue Sky Hwy	Ethete Store on the right, signs to Little Wind Casino to left	1	30	paved	fuel
EL 21	19.40	0.50				40	grass	
EL 22	19.60	0.20		Wyoming Indian High School on left. Speed limit changes past school <i>Note: Google Maps has outdated routing ahead. Recommend Apple Maps or OpenStreetMap</i>		55		
EL 23	20.80	1.20		Jct 17 Mile Rd, Sand Creek Massacre Trail on left				
EL 24	21.10	0.30		Pullout on right				
EL 25	22.10	1.00		Jct Trosper Rd				
EL 26	24.80	2.70		Paved pullout on right				
EL 27	25.60	0.80	TURN LEFT at Stop Sign onto US-287 South towards Lander	3 sets of rumble strips before SS Note: Outbound solar cars on this loop will be crossing from left to right here, DO NOT FOLLOW THEM	1	65	wide paved	
EL 28	29.10	3.50		Shoshone Rose Casino Hotel on left				
EL 29	29.70	0.60		North Fork Pogo Agie River, Leaving Wind River Indian Reservation				
EL 30	30.00	0.30				40		
EL 31	30.40	0.40				65		
EL 32	32.70	2.30		Entering Lander	2	40		
EL 33	33.20	0.50				30	paved w/curb	
EL 34	33.40	0.20	TURN RIGHT into the Fremont County Pioneer Museum					

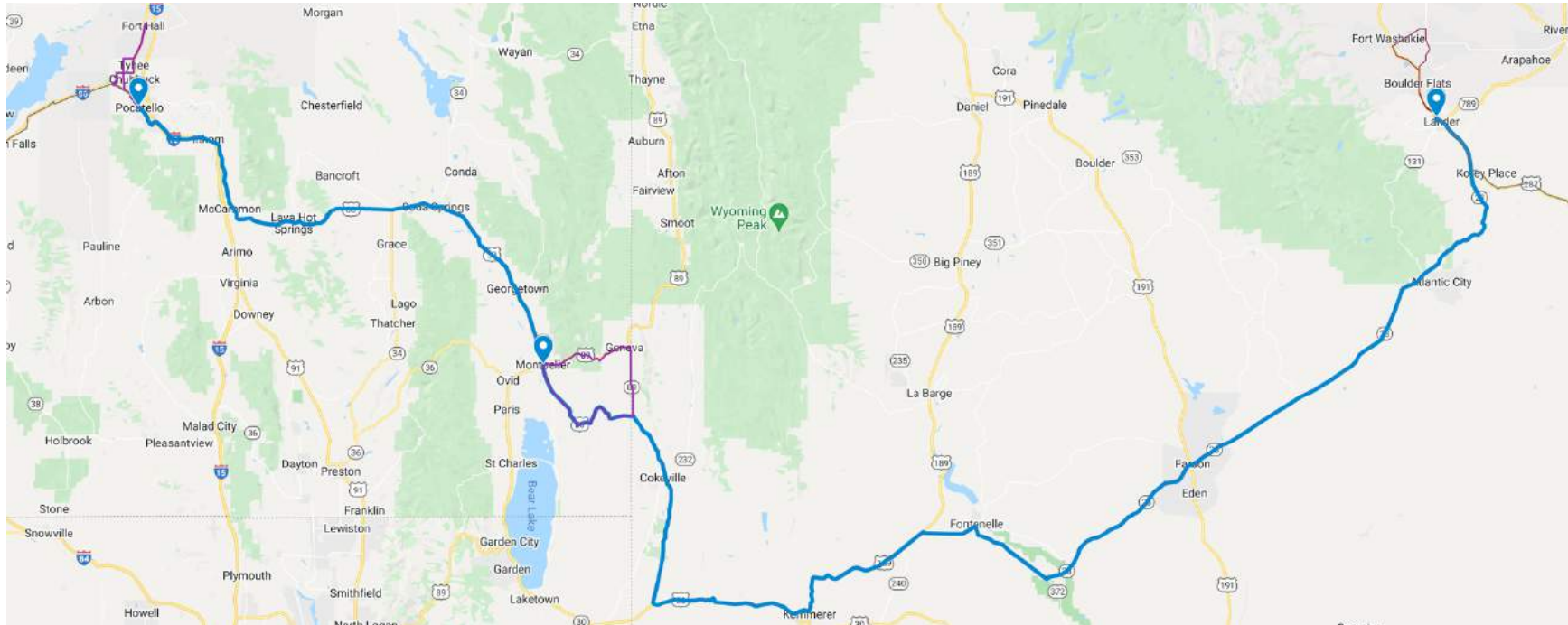
STAGE 3

2022 AMERICAN SOLAR CHALLENGE

Lander, WY – Pocatello, ID July 14 – 15

Time Zone	Mountain Time (24 Hour Format)		
Stage Start	Fremont County Pioneer Museum 1443 W Main St, Lander, WY 82520	Nominal Start Time	9:00, July 14
Checkpoint	The National Oregon/California Trail Center 320 N 4th St, Montpelier, ID 83254 Mandatory Hold Time: 45 Minutes	Open Time	12:15, July 14
		Driving Resumption Time	11:45, July 15
		Earliest Release Time	11:45, July 15
		Close Time	12:30, July 15
Optional Loop	Montpelier Loop	Loop Close Time	12:00, July 15
Stage Finish	Historic Downtown Pocatello 420 N Main St, Pocatello, ID 83204	Open Time	13:15, July 15
		Nominal Close Time	18:00, July 15
Optional Loop	Pocatello Loop		

STAGE 3 ROUTE OVERVIEW



Segment F	Base Leg F	Lander, WY – Montpelier, ID	225.7 miles
	Optional Loop FL	Montpelier Loop	46.2 miles
Segment G	Base Leg G	Montpelier, ID – Pocatello, ID	86.6 miles
	Optional Loop GL	Pocatello Loop	32.8 miles

STAGE 3

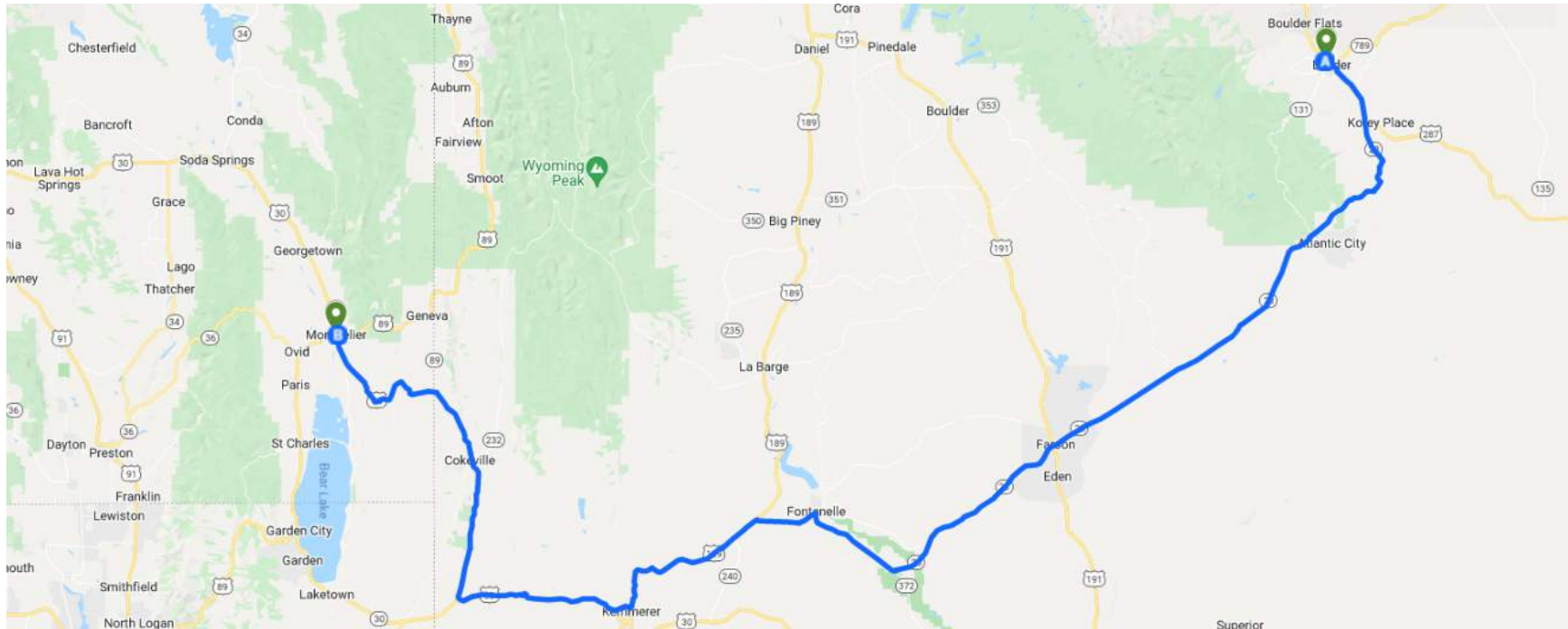
SEGMENT F

AMERICAN SOLAR CHALLENGE 2022

Lander, WY – Montpelier, ID

SUPPORT VEHICLE ROUTE OVERVIEW

(SAME AS SOLAR CAR ROUTE!)



SUPPORT ROUTE – SAME AS SOLAR CAR ROUTE! – SUPPORT ROUTE

SUPPORT VEHICLE ROUTE

(SAME AS SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	Same as solar car route	
226 mi	Go past the checkpoint & TURN RIGHT onto Garfield St	Parallel park along street

Approx. 226 miles (3 hr, 34 min)

SUPPORT ROUTE – SAME AS SOLAR CAR ROUTE! – SUPPORT ROUTE

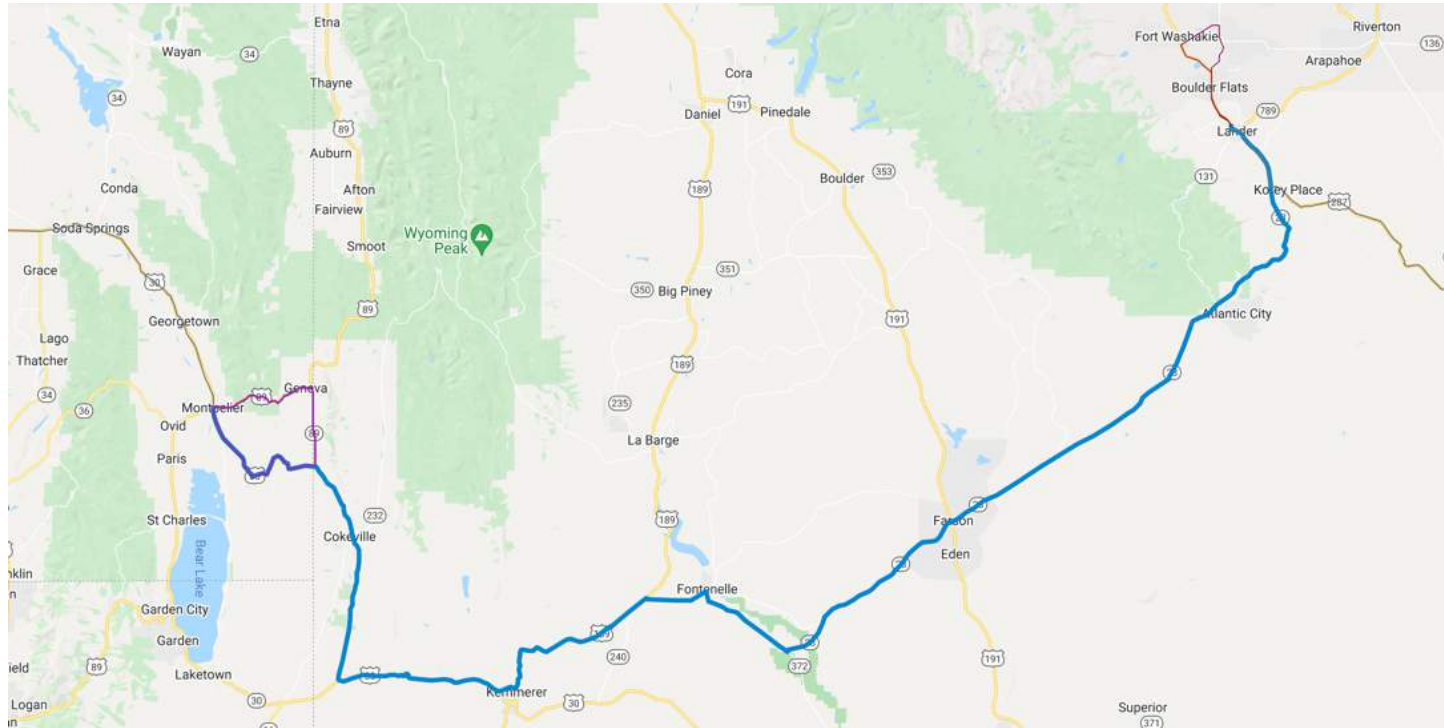


Fremont County Pioneer Museum – Lander, WY – Stage Start



SOLAR CAR ROUTE OVERVIEW

LANDER, WY – MONTPELIER, ID



LANDER, WY – MONTPELIER, ID

STAGE START:

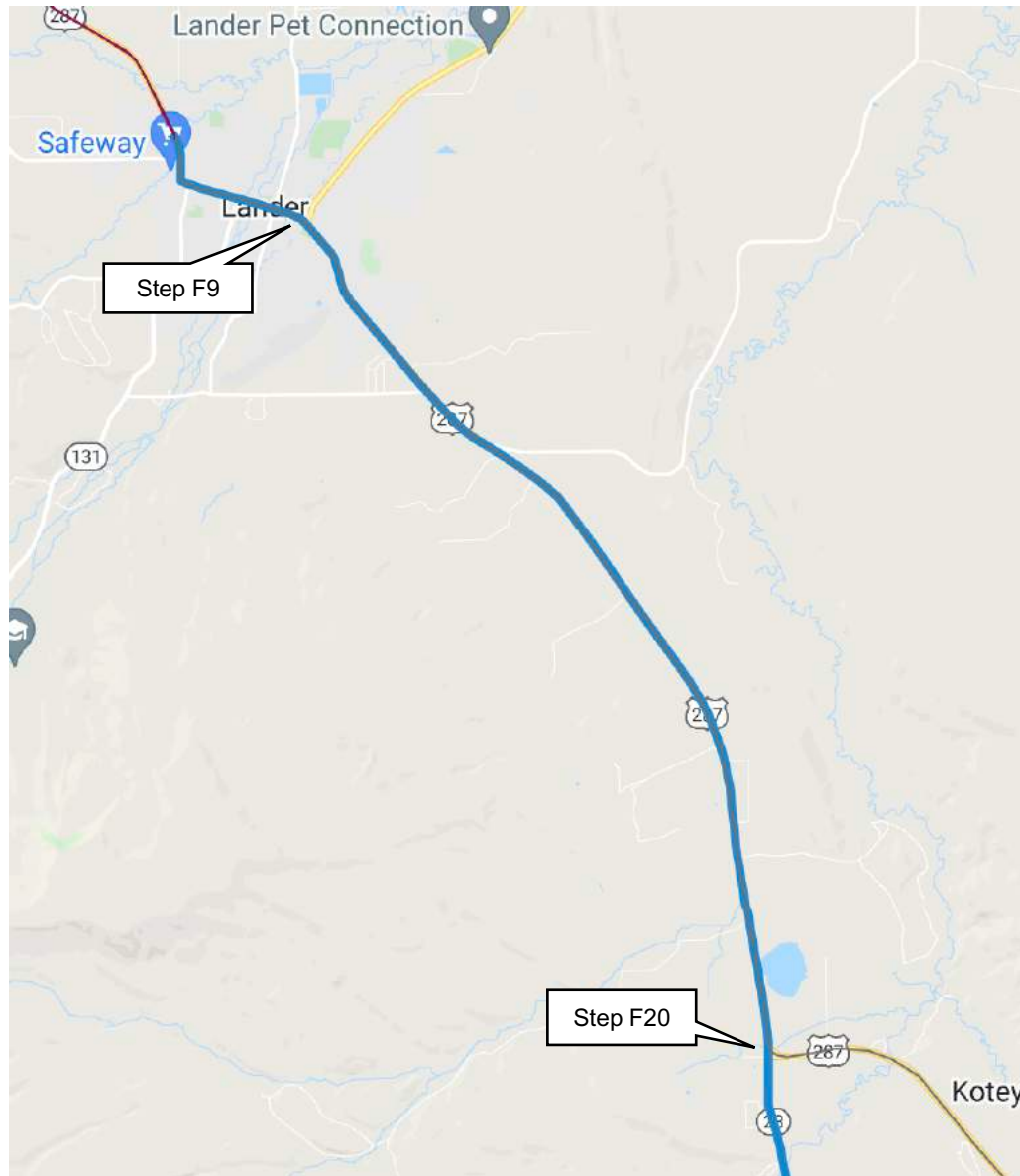
Fremont County Pioneer Museum
1443 W Main St, Lander, WY 82520

CHECKPOINT:

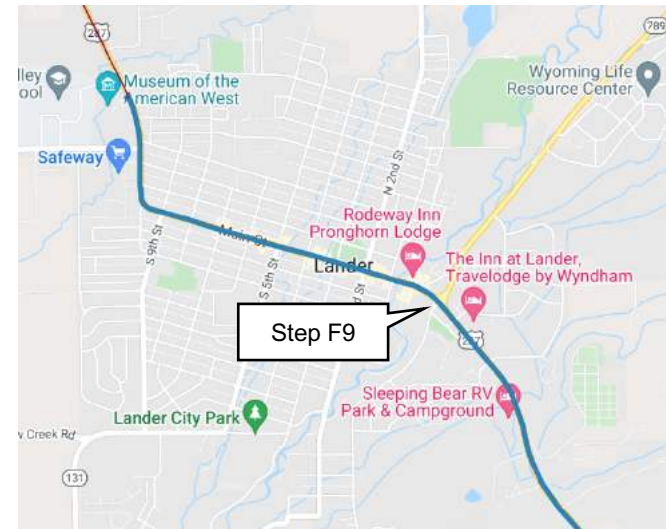
The National Oregon/California Trail Center
320 N 4th St, Montpelier, ID 83254



LANDER, WY – MONTPELIER, ID



Lander Detail

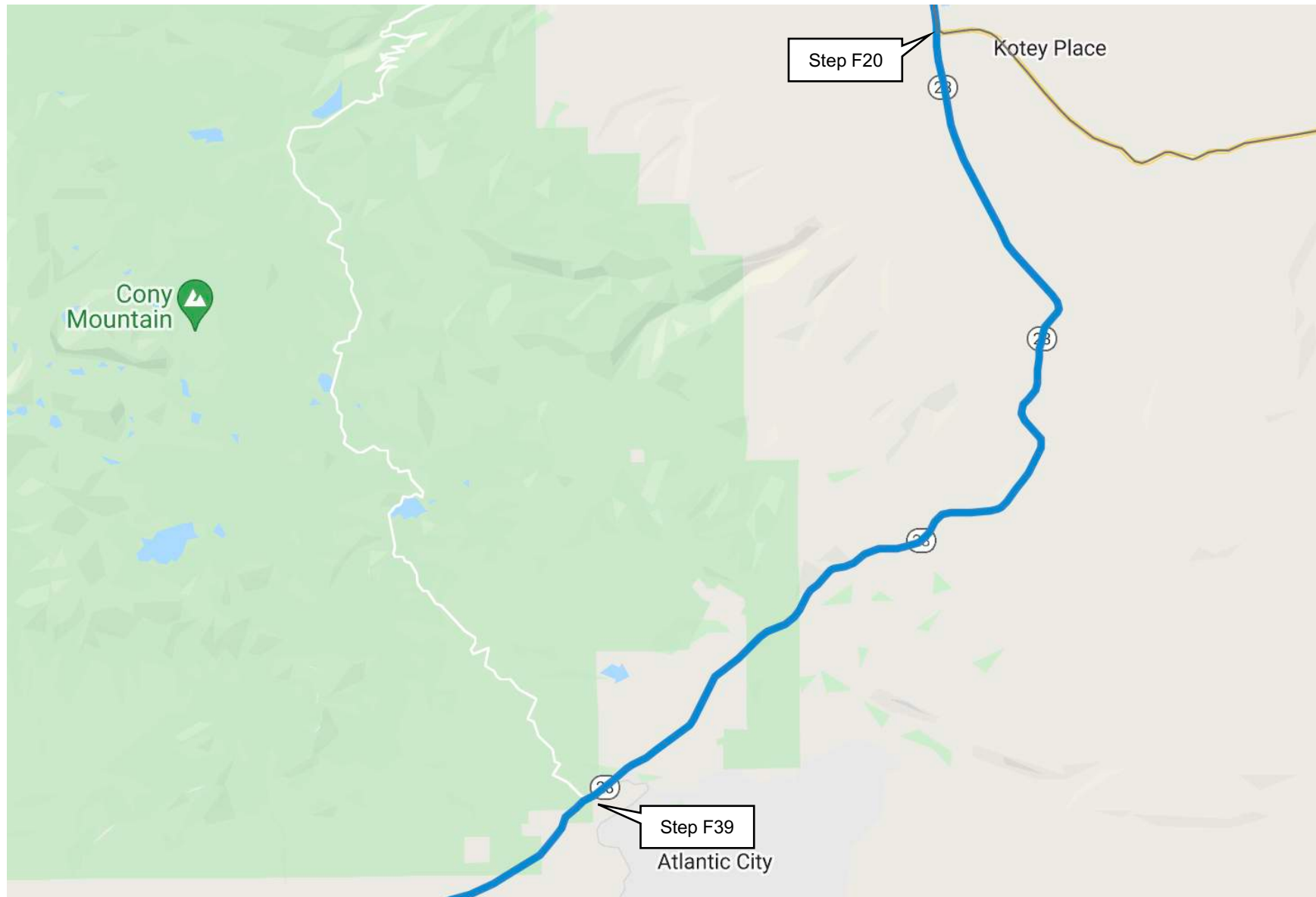


Steps F19-F20



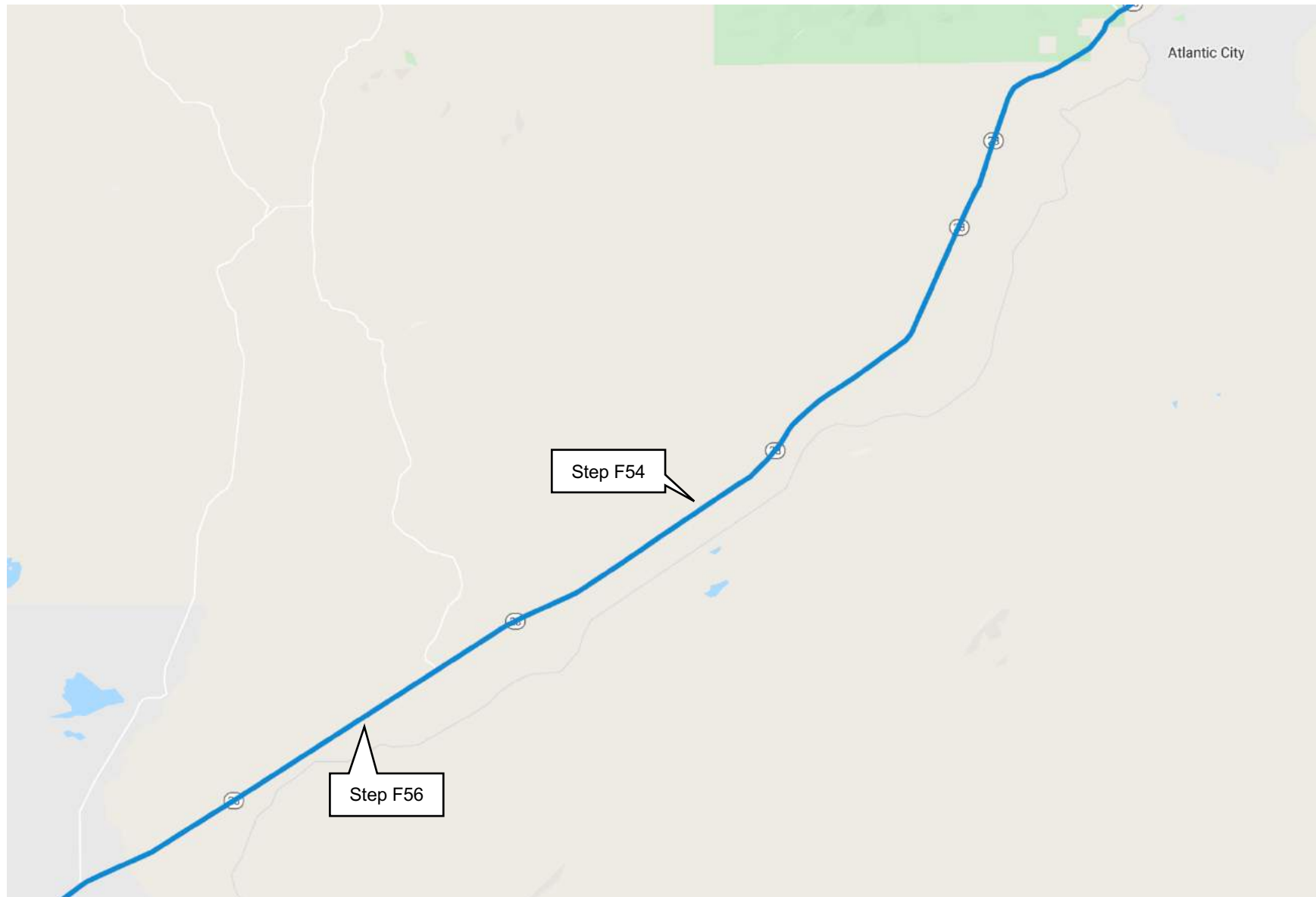
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 1	0.00		TURN RIGHT out of the parking lot onto W Main Street		2	30	curb	
F 2	0.20	0.20		SL for Baldwin Creek Rd				
F 3	0.50	0.30		SL for Ninth Street				
F 4	0.70	0.20		SL for Seventh Street "Signals set for 25 mph"				
F 5	0.90	0.20		SL for Fifth Street				
F 6	1.00	0.10		SL for Fourth Street				
F 7	1.10	0.10		SL for Third Street				
F 8	1.20	0.10		SL for Second Street			bike lane w/curb	
F 9	1.50	0.30	CONTINUE STRAIGHT at the SL onto US-287 South and WY-789 South towards Rawlins and Rock Springs	Jct WY-789				
F 10	1.80	0.30			2	45	curb	
F 11	2.20	0.40	MERGE LEFT, right lane ends ahead		1			
F 12	2.40	0.20				65	paved	
F 13	4.20	1.80		Paved pullout on left and right		70	narrow paved	
F 14	5.30	1.10		Gain passing lane next 1/2 mile	2		none	
F 15	5.80	0.50	MERGE LEFT, right lane ends ahead		1		narrow paved	
F 16	6.30	0.50		Gain passing lane next 1/2 mile	2		none	
F 17	6.80	0.50	MERGE LEFT, right lane ends ahead		1		narrow paved	
F 18	7.30	0.50		Gain passing lane next 1/2 mile	2		none	
F 19	7.80	0.50	MERGE LEFT, right lane ends ahead		1		paved	
F 20	9.90	2.10	CONTINUE STRAIGHT onto WY-28 toward Rock Springs	Jct US-287 and WY-789 to the left	2			
F 21	10.90	1.00		Cross Little Pogo Agie River, start climbing				
F 22	11.20	0.30		Gain passing lane next 3 miles	2	70	narrow	

LANDER, WY – MONTPELIER, ID

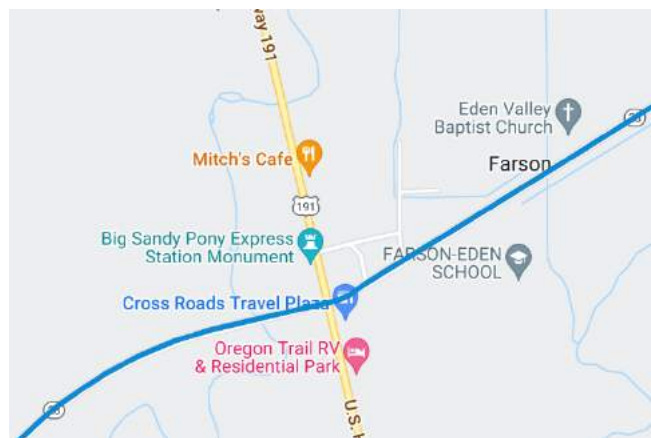


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 23	12.70	1.50		Large paved pullout on left				
F 24	14.20	1.50	MERGE LEFT, right lane ends ahead		1		paved	
F 25	15.60	1.40		Large paved pullout on right				
F 26	16.20	0.60		Gain passing lane next 4 miles	2		narrow	
F 27	18.10	1.90		Large paved pullout on right, high wind area next five miles				
F 28	19.60	1.50		Red Canyon Scenic Overlook (large, scenic, paved pullout) on right, almost at top of this climb <i>Owl Creek Mountains visible in the distance on the right</i>				
F 29	20.20	0.60	MERGE LEFT, right lane ends ahead		1	70	paved	
F 30	20.90	0.70		Jct Red Canyon Rd. Paved pullout on right past Jct				
F 31	21.60	0.70		Gain passing lane next 4 miles	2		narrow	
F 32	23.20	1.60		Small pullout on both sides				
F 33	25.40	2.20	MERGE LEFT, right lane ends ahead		1	70	wide paved	
F 34	25.90	0.50		Large gravel parking lot on right for Beaver Creek Ski Area, cattle guard at entrance				
F 35	26.20	0.30		Gain passing lane next 1 mile	2		narrow	
F 36	27.30	1.10	MERGE LEFT, right lane ends ahead	Atlantic City and South Pass City Historic Site to left, Mining area on right	1		wide paved	
F 37	29.30	2.00		Large paved pullout on right with historic marker "Iron Ore Boom And Bust"				
F 38	29.40	0.10		1.5 mile climb with no passing lane (last major climb!)	1		paved	
F 39	30.50	1.10		Rest stop on right, Louis Lake Rd			narrow paved	
F 40	30.80	0.30		Highest point on route, 8,469ft				

LANDER, WY – MONTPELIER, ID

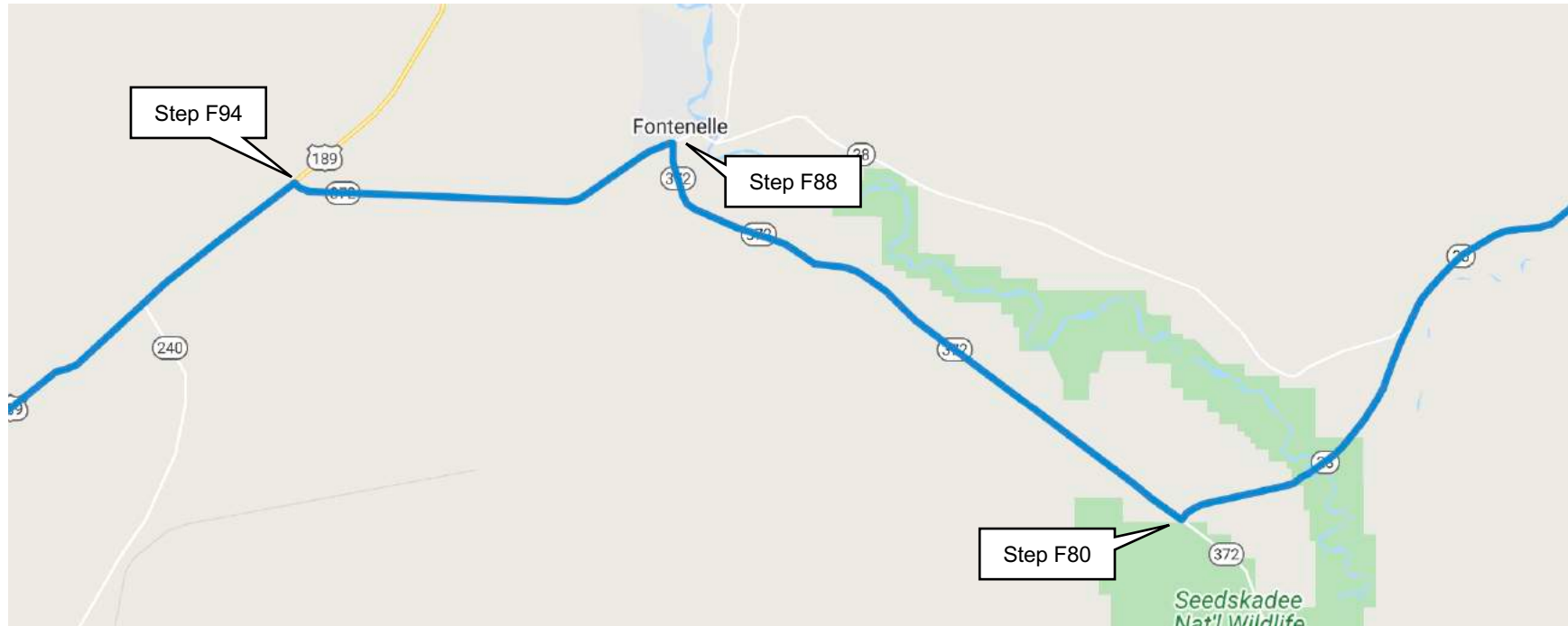


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 41	32.80	2.00		Paved pullout on right, access to Atlantic City and South Pass Historic Site on left				
F 42	33.70	0.90		1 mile climb with no passing lane ahead Large paved pullout on right, Rock Shop Inn				
F 43	37.90	4.20		Paved pullout on left				
F 44	39.00	1.10		"Point of Interest" on left with extremely large paved pullout <i>Oregon buttes visible ahead to left (10:30 o'clock)</i>				
F 45	42.10	3.10		South Pass WYO Rest Area with restrooms on right	1	70	narrow paved	
F 46	42.30	0.20		Cross Sweetwater River				
F 47	43.70	1.40		Cross Continental Divide (Elev 7,550ft) <i>Prospect Mountains on right horizon</i>				
F 48	45.90	2.20		Large paved pullout on left				
F 49	47.50	1.60		National Historic Landmark: South Pass Overlook on left (gravel)				
F 50	48.20	0.70		Large paved pullout on right				
F 51	49.30	1.10		Paved pullout on left				
F 52	50.10	0.80		Paved pullout on left				
F 53	52.00	1.90		Entering Sublette County, Paved pullout on left at county line				
F 54	52.60	0.60		Very large paved pullout on right for a state historic marker: "Parting of the Ways: Emigrant Trail Cutoff"				
F 55	55.70	3.10		Entering Sweetwater County				
F 56	63.00	7.30		CR 21 (Tri Territory Rd) to the left				
F 57	69.20	6.20		Turnoff for road to top of large rock outcropping on left with antennas on top (named Round Top)				
F 58	70.30	1.10		Eden Valley Sign				

LANDER, WY – MONTPELIER, ID**Farson Detail****Steps F73-F75**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 59	71.30	1.00		Geodesic dome house on left				
F 60	71.80	0.50		Historical site on right				
F 61	75.90	4.10		Entering Farson (Pop 313, Elev 6,580ft)	1	40		
F 62	76.40	0.50	CONTINUE STRAIGHT at Stop Sign for US-191	CAUTION! Cross traffic does not stop!				fuel, food
F 63	76.50	0.10		Cross Big Sandy River, Historic marker for Mormon Trail Crossing on right	1	70	paved	
F 64	80.30	3.80		Cattle guard, open range, loose stock - look out for livestock on road				
F 65	81.30	1.00		CR 8 on right (no sign, easy to miss) <i>Pilot Butte visible 10 o'clock on horizon</i>				
F 66	81.80	0.50		Historic trail signs				
F 67	83.60	1.80		Mile marker 121 on left				
F 68	85.70	2.10		Caution: antelope entering highway at 55 mph Cell repeater tower to right				
F 69	86.60	0.90		Paved pullout at right, historic marker for Simpson's Hollow				
F 70	88.80	2.20		Paved pullout at left, historic marker for Pilot Butte <i>Uintas visible on horizon ahead to the left (10-11 o'clock)</i>				
F 71	90.60	1.80		Caution: Sage Grouse crossing the road <i>Wyoming Range visible on horizon ahead to the right (2 o'clock)</i>				
F 72	92.70	2.10		Animals on road sign, 12mi				
F 73	94.20	1.50		CR 8 Lower Farson Cutoff Rd on left (No sign; CR is dirt and has a stop sign). First of two CR 8 Jcts				
F 74	95.60	1.40		Caution: Antelope entering highway at 55 mph				

LANDER, WY – MONTPELIER, ID



Fontenelle Detail



Steps F94-F95



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 75	98.10	2.50		CR 8 Lower Farson Cutoff Rd on right (hard to see, CR is dirt and has a stop sign). Second of two CR 8 JCTs				
F 76	98.70	0.60		"Watch for animals on road"				
F 77	100.60	1.90		Cattle guard				
F 78	101.70	1.10		Cross Green River - large gravel pullout on far side of bridge				
F 79	102.20	0.50		Cattle guard				
F 80	104.60	2.40	TURN RIGHT at Stop Sign onto WY-372, with signs towards Kemmerer	T-intersection. 3x rumble strips when approaching stop	1	70	paved / gravel	
F 81	104.90	0.30		Pullout for Seedskaadee Wildlife Area on right, open range, loose stock				
F 82	107.70	2.80		Another turnoff on right for Seedskaadee Wildlife Area on right				
F 83	107.80	0.10		Mile marker 30 on right				
F 84	111.40	3.60		CR 4-46 on left				
F 85	112.10	0.70		"Road narrows" sign			paved / gravel	
F 86	116.30	4.20		Entering Lincoln County				
F 87	117.70	1.40	Be prepared to slow down ahead!	Mile marker 40 on right, pullout on left				
F 88	118.10	0.40	TURN LEFT to follow WY-372 towards La Barge and Kemmerer	No Stop Sign, EXTREMELY sharp turn - recommend 10mph max				
F 89	118.90	0.80		Open range sign and mile marker 41 on right	1	70	gravel / grass	
F 90	119.20	0.30		Drive under power lines (69kV)				
F 91	121.70	2.50		Mile marker 44 on right				
F 92	123.70	2.00		Mile marker 46 on right				
F 93	125.70	2.00		Mile Marker 48 on right, pullout on left afterwards				
F 94	126.30	0.60	TURN LEFT at Stop Sign onto US-189 South towards Kemmerer	Cattle grate immediately before the Stop Sign. CAUTION: cross traffic does not stop!	1	70	wide paved	
F 95	126.50	0.20		Paved pullout on right				

LANDER, WY – MONTPELIER, ID

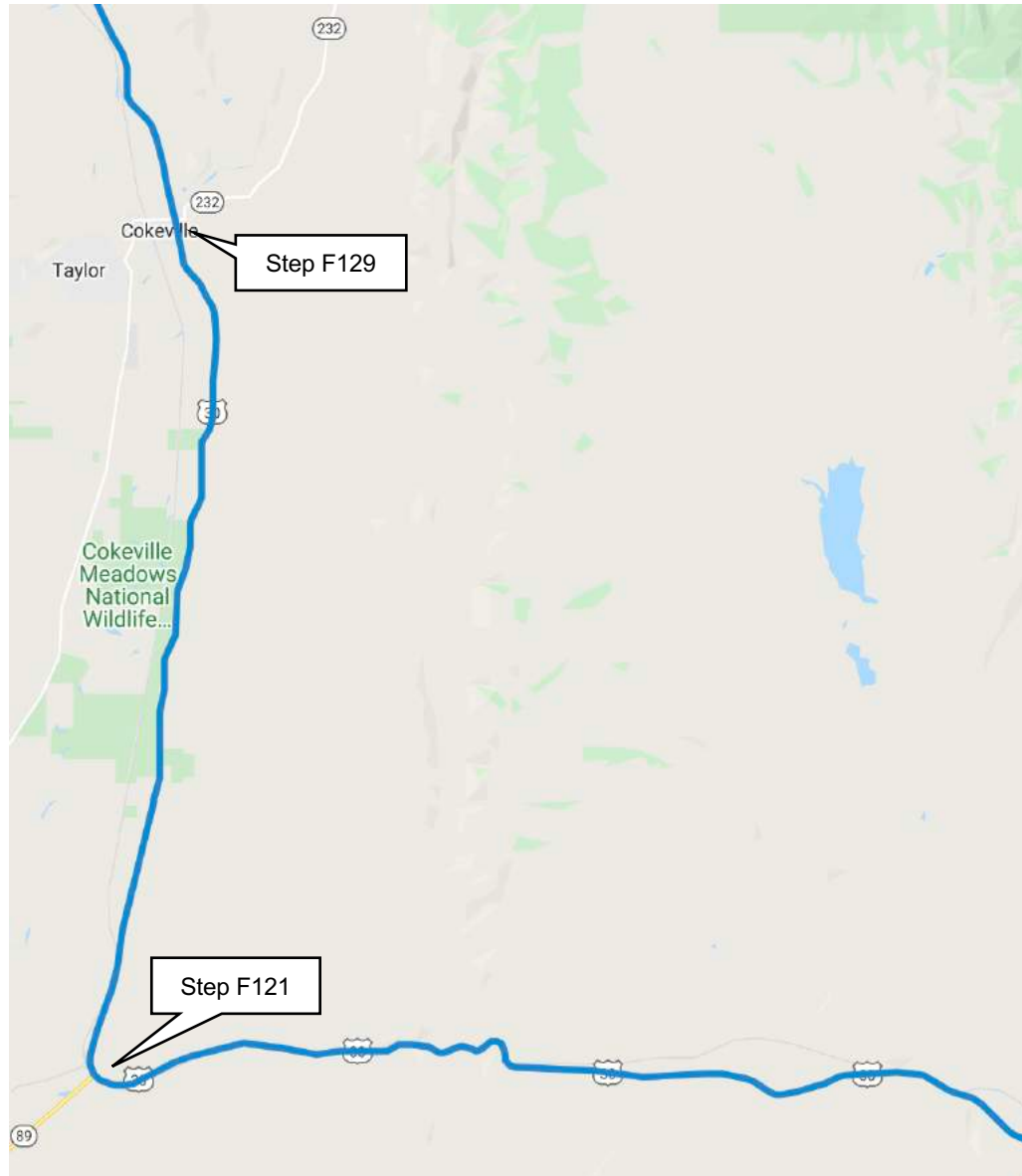


Kemmerer Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 96	130.20	3.70		WY-240 with access to Opal at left Open Range/Loose Stock warning sign at right afterward				
F 97	137.20	7.00		Paved pullout on left				
F 98	141.00	3.80		Paved pullout on left				
F 99	143.50	2.50		Paved parking lot on right. Sign for Willow Springs				
F 100	145.30	1.80		Pass under large power lines, CR 306 to right				
F 101	148.00	2.70		Paved pullout/overlook on the right				
F 102	149.50	1.50		Jct WY-233	1	40	curb	
F 103	150.00	0.50		Entering Kemmerer (Pop 2,656, Elev 6,927ft)				all
F 104	150.10	0.10		Cross Ham's Fork River	2	40		
F 105	150.30	0.20	TURN RIGHT onto US-30 Alt West towards Sage Junction		1	30	paved w/ curb	
F 106	150.70	0.40		Canyon Rd on left, RR yard to right	1	65	paved	
F 107	152.20	1.50				45		
F 108	152.30	0.10	EXIT RIGHT onto US-30 West toward Cokeville	Signs to Fossil Butte National Monument, 3x rumble strips before exit				
F 109	152.40	0.10	MERGE LEFT onto US-30 West	Truck route, "Strong crosswinds possible". Pullout on right afterwards	1	70	paved	
F 110	152.70	0.30		Bridge over RR tracks				
F 111	153.30	0.60		"Road closed when flashing" sign, CR 322				
F 112	155.30	2.00		Deer crossing next 10 miles				
F 113	155.70	0.40		Paved pullout on right with Fossil Butte marker				
F 114	157.00	1.30		"Deer crossing next 5 miles"				
F 115	160.50	3.50		Access to Fossil Butte National Monument on right				
F 116	165.00	4.50		Bridge over RR tracks				

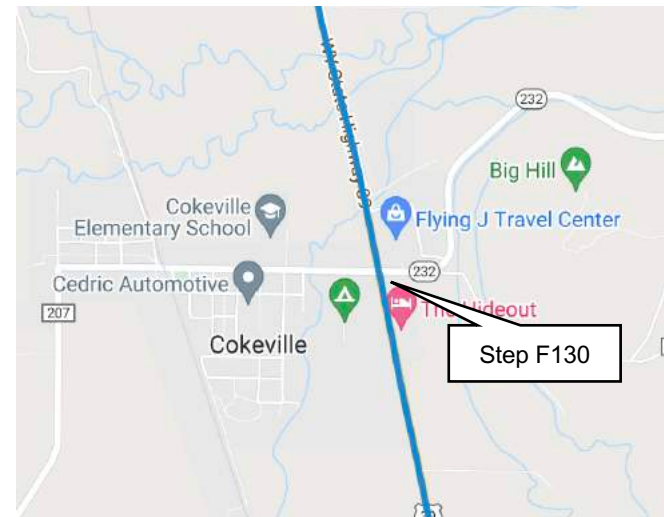
LANDER, WY – MONTPELIER, ID



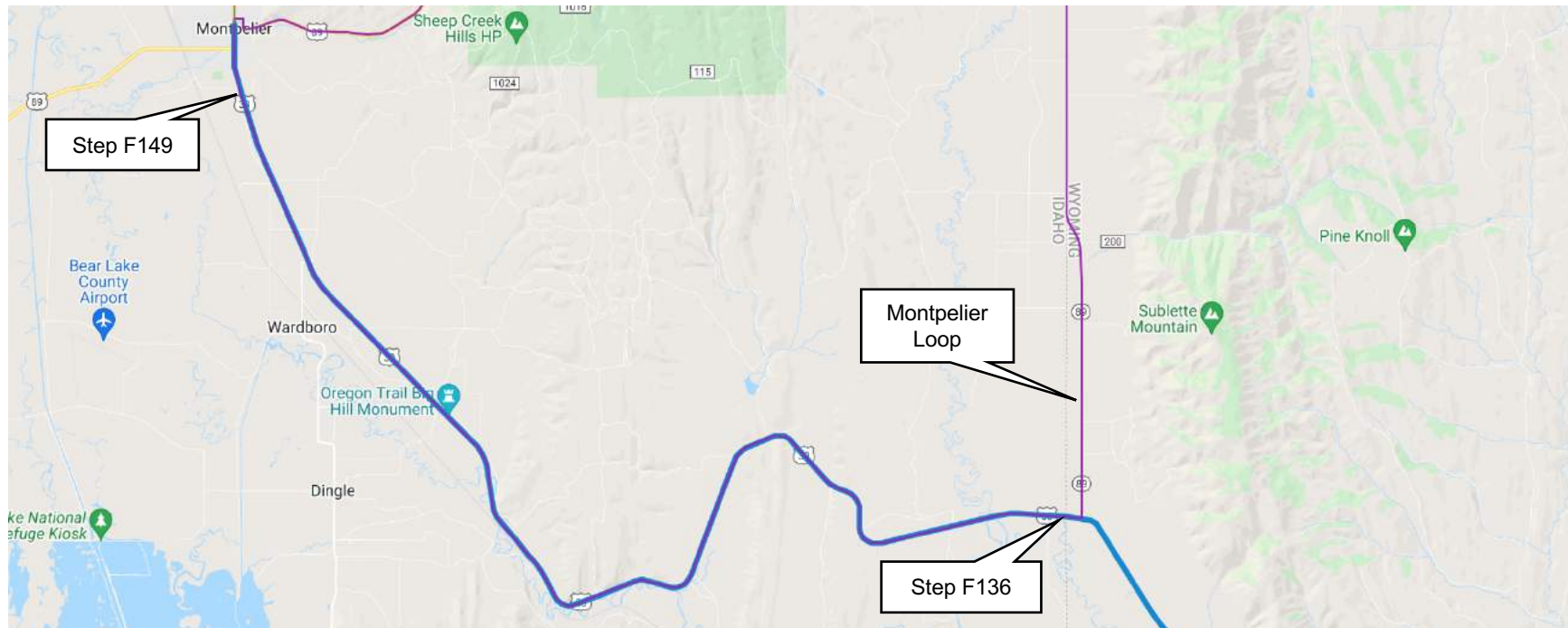
Step F121



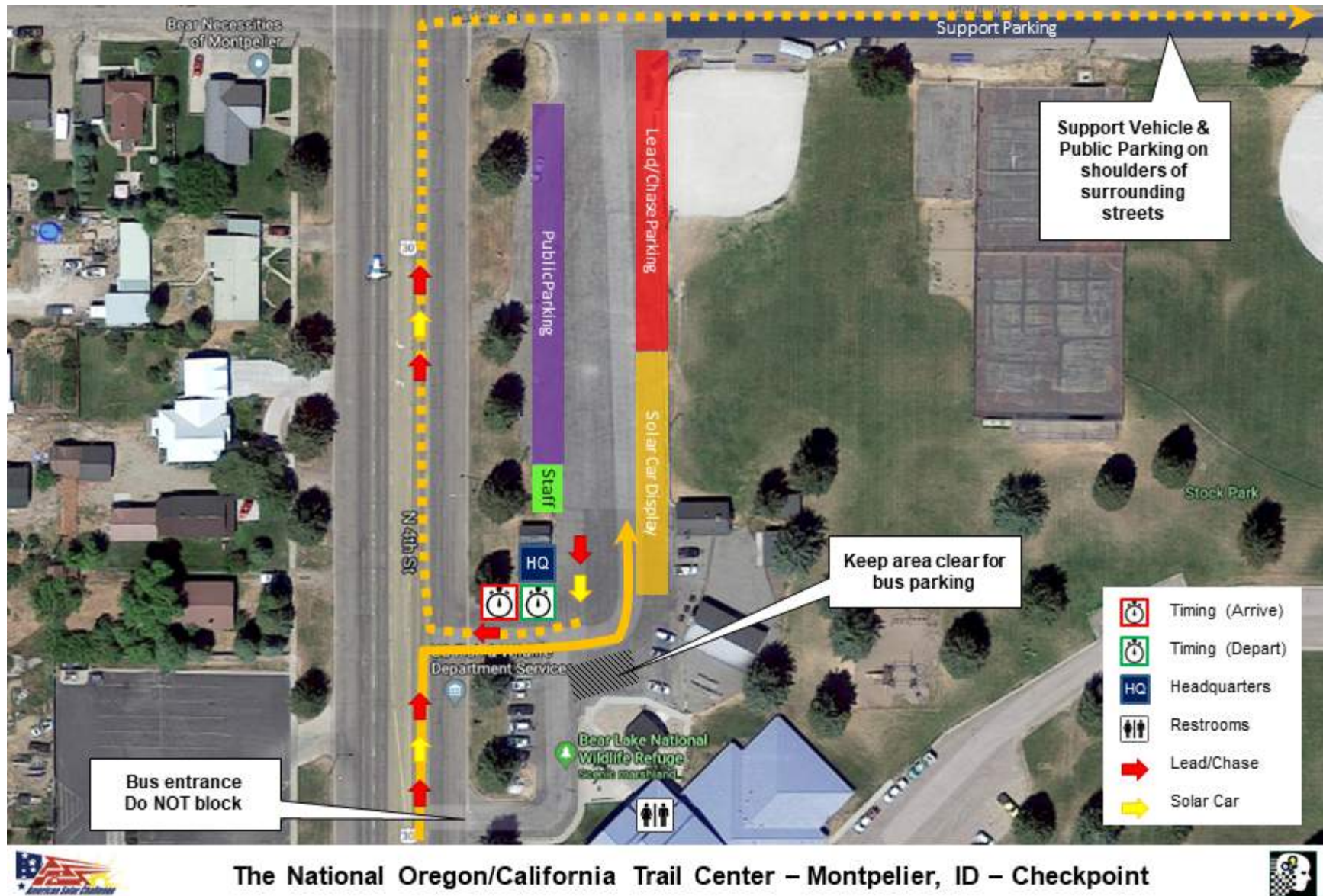
Cokeville Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 117	169.10	4.10		Paved pullout on left ("Wildlife viewing area")				
F 118	170.80	1.70		Thoman Ranch on right				
F 119	173.40	2.60		Small paved pullout on right for wildlife viewing area	1	70	paved	
F 120	173.70	0.30		Oregon Trail "X-ing" sign, pullout on left before Sage Road; large pullout like small road with entrance and exit				
F 121	174.80	1.10	CONTINUE STRAIGHT on US-30 West towards Cokeville	Jct WY-89 South, mile marker 30 on left				
F 122	175.20	0.40		Large paved pullout on right				
F 123	176.80	1.60		Deer crossing next 1 mile				
F 124	178.10	1.30		Willis BQ Ranch on left with flagpole				
F 125	181.70	3.60		"Nat'l Wildlife Refuge Access/Cokeville Meadows" with parking on left, Beckwith Rd				
F 126	183.30	1.60		Pullout on left, lone pine tree				
F 127	187.30	4.00		Large paved parking area on left for Cokeville Meadows (Cattle guard at entrance)				
F 128	191.90	4.60		Pass under three large power lines (not the small ones), mile marker 13				
F 129	193.90	2.00	CONTINUE STRAIGHT on US-30 West/WY-89 North	Entering Cokeville (Pop 535, Elev 6,191ft)		40		all
F 130	194.10	0.20		Jct WY-231/WY-232, Flying J on corner				
F 131	194.60	0.50		Small gravel pullout & marker for Cokeville on , "Border Jct 10 miles"		70	wide paved	
F 132	194.80	0.20		Cross Smith's Fork River				
F 133	197.00	2.20		Warning: watch for animals on the road next 5 miles				
F 134	200.40	3.40		Deer crossing sign with orange flags				

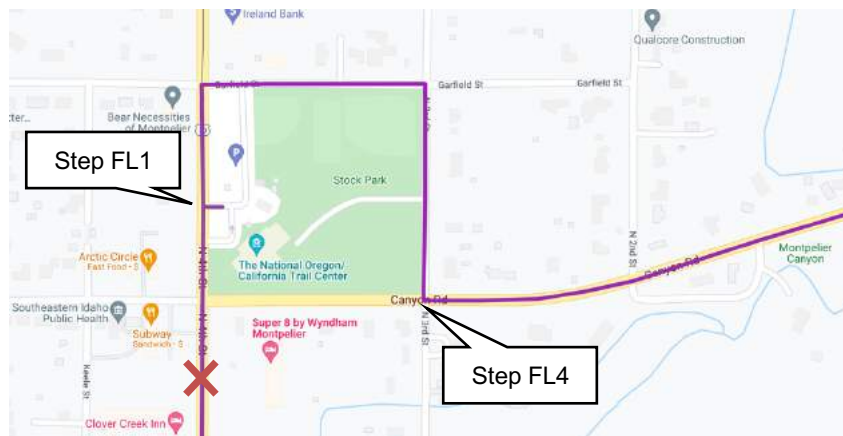
LANDER, WY – MONTPELIER, ID**Final Approach to Montpelier Checkpoint****Montpelier Checkpoint**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 135	204.40	4.00	CONTINUE STRAIGHT on US-30 West towards Pocatello	Jct WY-89 North Note: Solar cars following the Montpelier Loop join base route here				
F 136	204.80	0.40		Welcome to Idaho , historical marker & paved pullout on right, entering Bear Lake County	1	65	paved	
F 137	205.50	0.70		Mile marker 455 on left (note: mile markers count down)				
F 138	206.00	0.50		Small paved pullout on right for Thomas Fork historic site				
F 139	207.60	1.60		Gain passing lane next 3/4 mile	2	65	guardrail	
F 140	208.30	0.70	MERGE LEFT, right lane ends ahead	Border Summit , Elev 6,358ft	1	65	narrow	
F 141	209.60	1.30		Paved pullout on right			paved	
F 142	211.00	1.40		Alton Rd on right				
F 143	212.10	1.10		Pass under large power lines, mile marker 448 on left afterward				
F 144	212.80	0.70		Flashing yellow deer crossing warning (caution next five miles)			narrow/ guardrail	
F 145	215.60	2.80		Caution: elk crossing next 6 miles <i>Bear River on left</i>				
F 146	218.60	3.00		Paved pullout on right with picnic shelter, "Big Hill Site" historic marker <i>Bear River Range visible to left</i>				
F 147	220.30	1.70		Paved pullout on left for historic marker for Smith's Trading Post				
F 148	221.60	1.30		Pass under two power lines				
F 149	224.70	3.10		Ping Pong Rd to left	1	45	paved	
F 150	225.10	0.40		Entering Montpelier (Pop 2,597, Est 1864)	2	35	curb	all
F 151	225.30	0.20	CONTINUE STRAIGHT on US-30 West	SL for US-89 South & Washington St				
F 152	225.50	0.20		Canyon Rd, Super 8 and Phillips 66				
F 153	225.70	0.20	TURN RIGHT into The National Oregon/California Trail Center	Follow staff directions				

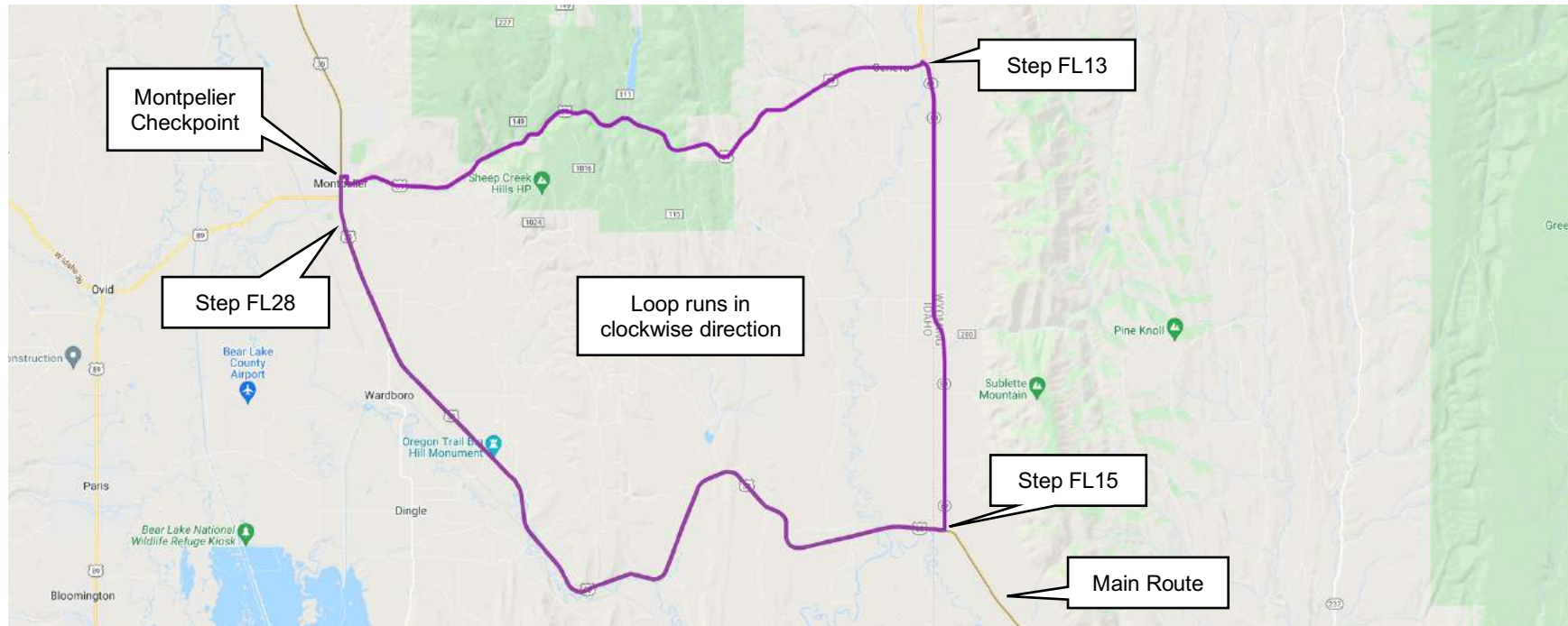
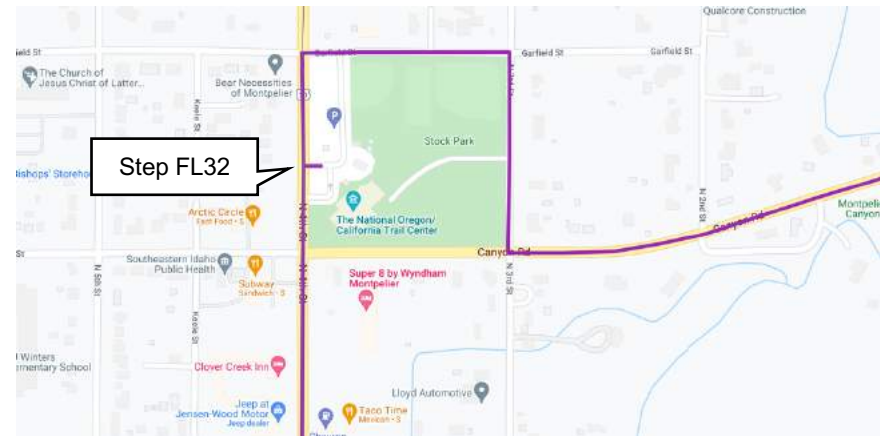


STAGE 3
OPTIONAL LOOP
(SEGMENT F LOOP)
MONTPELIER

AMERICAN SOLAR CHALLENGE 2022

MONTPELIER OPTIONAL LOOP**Steps FL1-FL4****Geneva Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
FL 1	0.00		TURN RIGHT out of the parking lot onto US-30		2	35	curb	
FL 2	0.10	0.10	TURN RIGHT onto Garfield St		1	25	paved	
FL 3	0.20	0.10	TURN RIGHT at Stop Sign onto N 3rd St	Baseball field on corner				
FL 4	0.40	0.20	TURN LEFT at Stop Sign onto US-89 East/Canyon Rd	CAUTION: Cross traffic does not stop!	1	35	wide w/ curb	
FL 5	0.90	0.50				55	narrow gravel	
FL 6	3.60	2.70		Caribou National Forest sign on right				
FL 7	5.40	1.80		Paved pullout on right				
FL 8	7.20	1.80		Crow Creek Rd/CR 111 on left, access to Montpelier Reservoir Paved pullout on right by a small lake				
FL 9	7.90	0.70		Gain passing lane next 1.5 miles	2	55	narrow w/ guardrail	
FL 10	9.50	1.60	MERGE LEFT, right lane ends ahead	Paved pullout on right at the top, Geneve Summit 6923 ft 6% downward grade next two miles				
FL 11	11.30	1.80		Wood Canyon Road to right <i>Views of Sublette Range ahead</i>	1	65	paved/ gravel	
FL 12	14.10	2.80		Geneva Church building and post office on left				
FL 13	14.80	0.70	TURN RIGHT onto ID-61 South towards WY-89		1	65	paved	
FL 14	15.60	0.80		Welcome to Wyoming , continue on WY-89; Pullouts on both sides: Road follows state line	1	70	paved/ gravel	
FL 15	25.10	9.50	TURN RIGHT at Stop Sign onto US-30 West towards Pocatello	Rejoin base solar car route at STEP F136				

MONTPELIER OPTIONAL LOOP**Steps FL15-FL16****Montpelier Checkpoint Approach**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
FL 16	25.30	0.20		Welcome to Idaho , historical marker & paved pullout on right, entering Bear Lake County	1	65	paved	
FL 17	25.90	0.60		Mile marker 455 on left (note: mile markers count down)				
FL 18	26.40	0.50		Small paved pullout on right for Thomas Fork historic site				
FL 19	28.00	1.60		Gain passing lane next 3/4 mile	2	65	guardrail	
FL 20	28.70	0.70	MERGE LEFT, right lane ends ahead	Border Summit , Elev 6,358 ft	1	65	narrow	
FL 21	30.00	1.30		Paved pullout on right			paved	
FL 22	31.50	1.50		Alton Rd on right				
FL 23	32.60	1.10		Pass under large power lines, mile marker 448 on left afterward				
FL 24	33.40	0.80		Flashing yellow deer crossing warning (caution next five miles)			narrow/ guardrail	
FL 25	36.10	2.70		Caution: elk crossing next 6 miles				
FL 26	39.10	3.00		Paved pullout on right with picnic shelter, "Big Hill Site" historic marker				
FL 27	40.70	1.60		Paved pullout on left for historic marker for Smith's Trading Post				
FL 28	45.20	4.50		Ping Pong Rd to left	1	45	paved	
FL 29	45.40	0.20		Entering Montpelier (Pop 2,597, Est 1864)	2	35	curb	all
FL 30	45.80	0.40	CONTINUE STRAIGHT on US-30 West	SL for US-89 South and Washington St				
FL 31	46.10	0.30		Canyon Rd, Super 8 and Phillips 66 on corner				
FL 32	46.20	0.10	TURN RIGHT into The National Oregon/California Trail Center	Follow staff directions				

STAGE 3

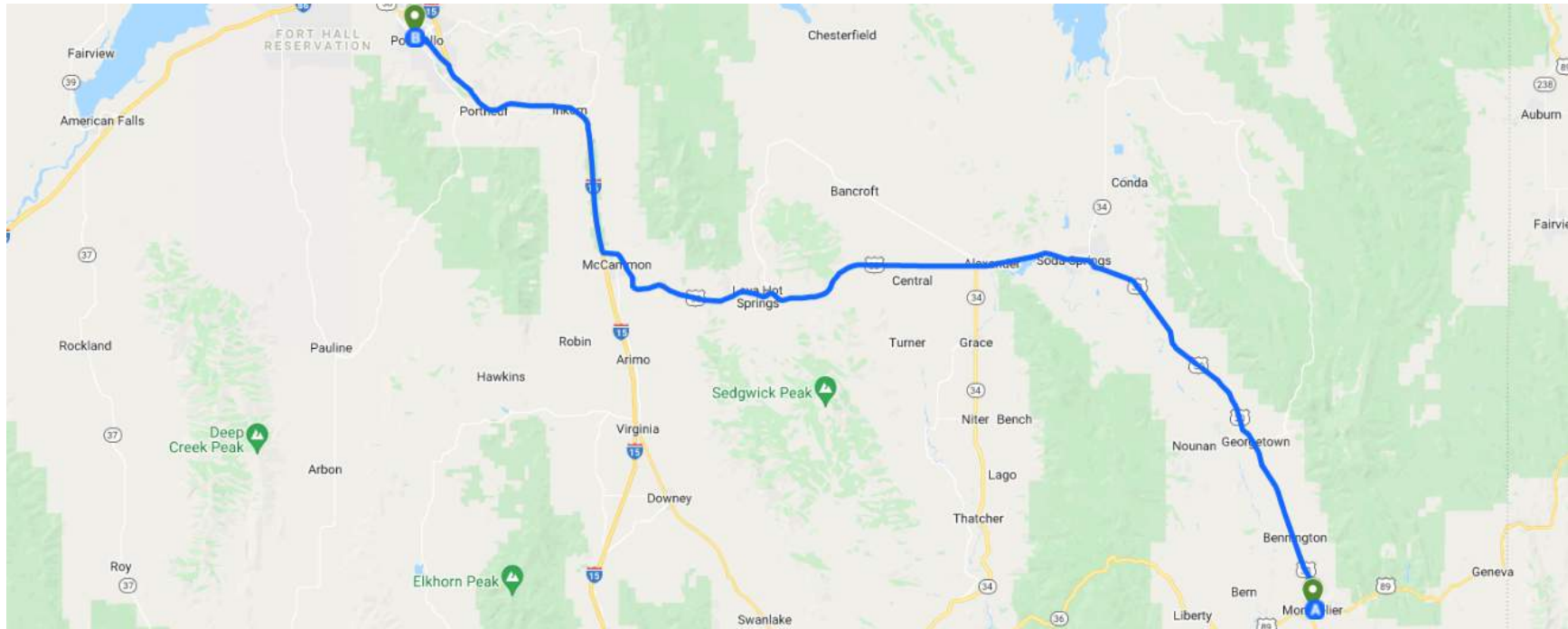
SEGMENT G

AMERICAN SOLAR CHALLENGE 2022

Montpelier, ID – Pocatello, ID

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

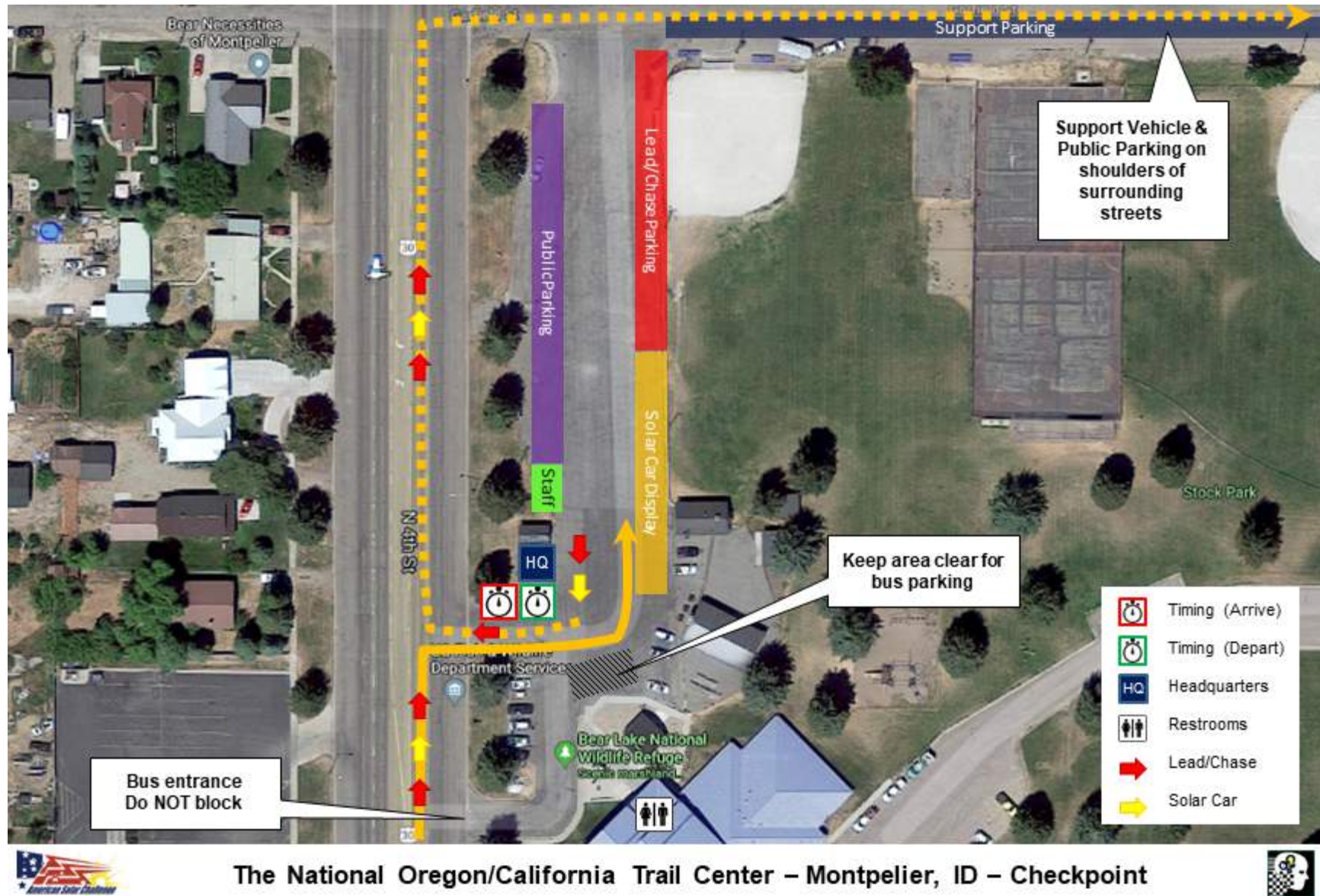
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	Head west on Garfield St toward N 4th St	
400 ft	TURN RIGHT onto US-30 W/N 4th St	Join the solar car route
63.4 mi	Merge onto I-15 N/US 30 W	Leave the solar car route
0.3 mi	TAKE EXIT 67 to follow I-15/US-30 toward Pocatello	
2.3 mi	TURN LEFT onto US-30 W/US-91 N/S 5th Ave	Join the solar car route
0.4 mi	TURN LEFT onto E Benton St.	Leave the solar car route
0.4 mi	TURN RIGHT onto S Main St.	Join the solar car route
0.4 mi	TURN RIGHT onto W Lander St.	Leave the solar car route
350 ft	TURN LEFT on N Harrison St	Parallel park along Harrison St

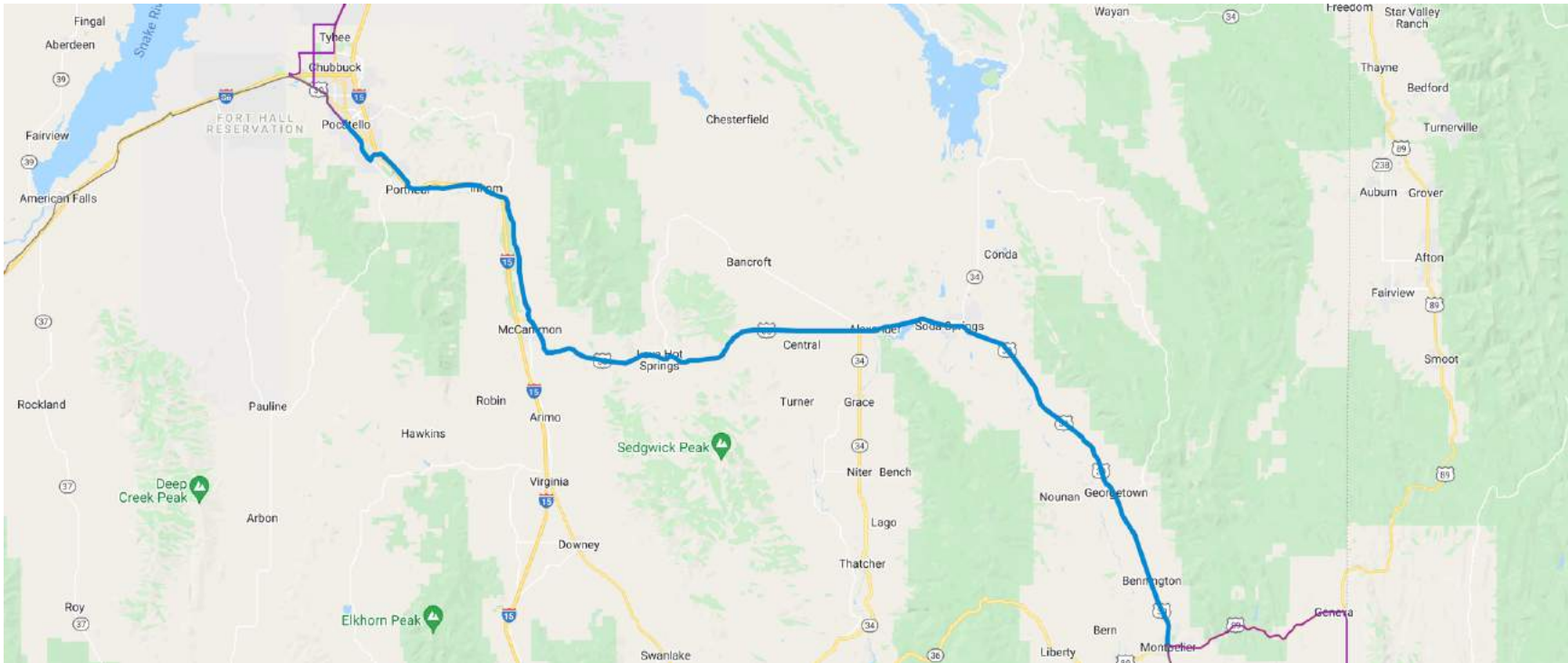
Approx. 86.4 miles (1hr, 28 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY



SOLAR CAR ROUTE OVERVIEW

MONTPELIER, ID – POCA TELLO, ID

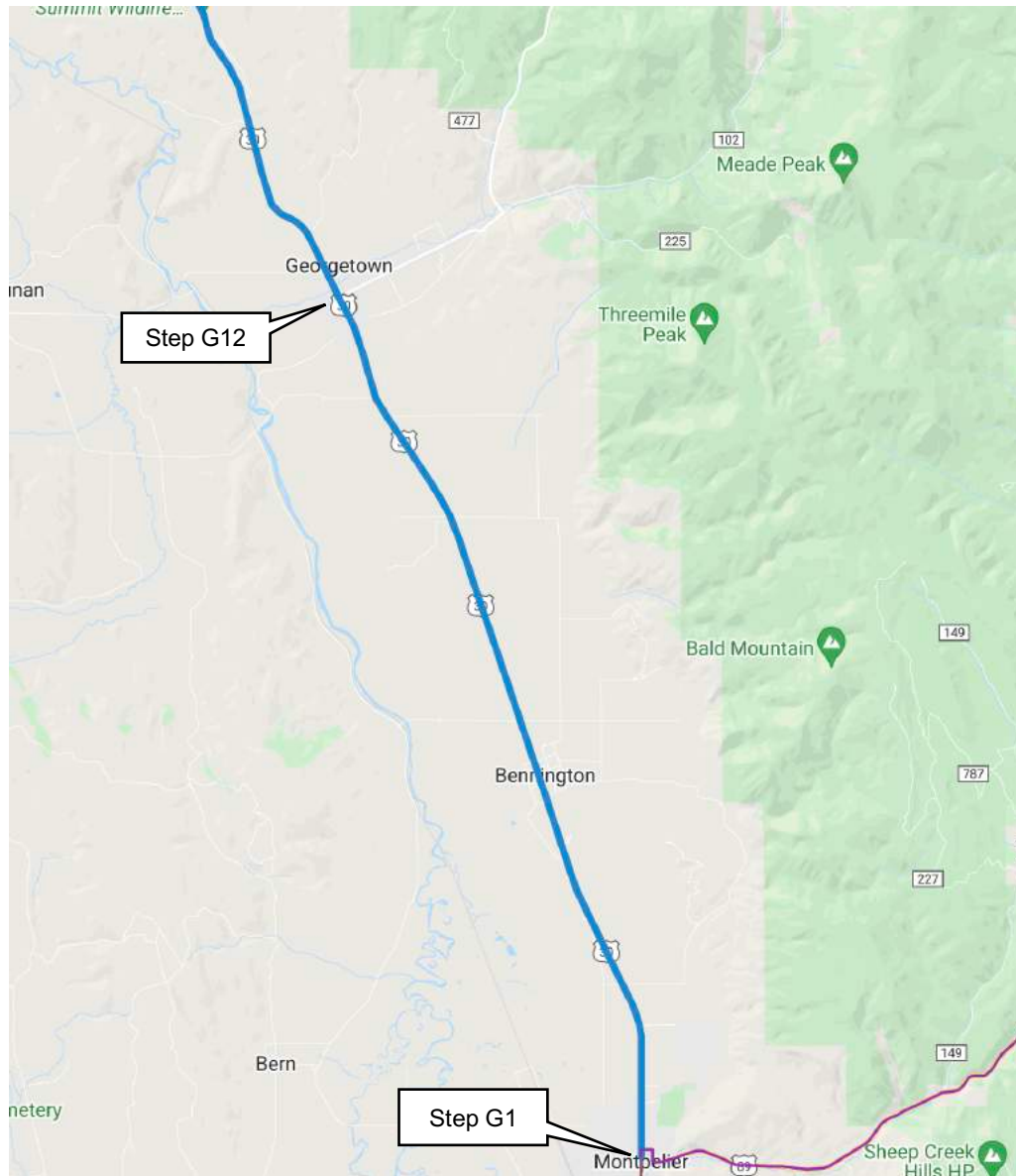
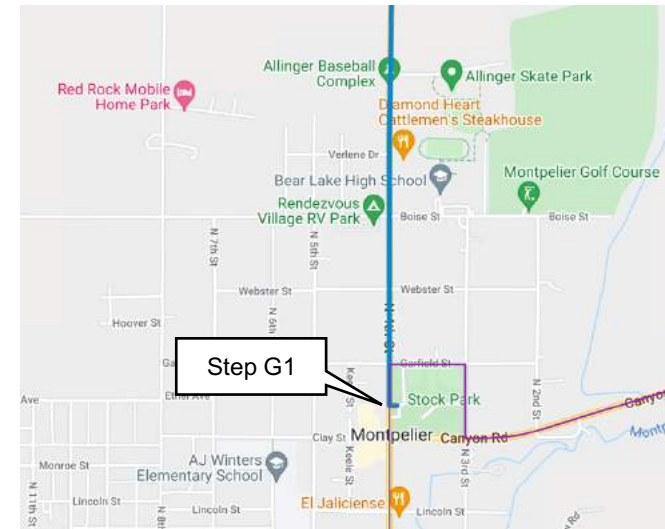


MONTPELIER, ID – POCA TELLO, ID

CHECKPOINT:
The National Oregon/California Trail Center
320 N 4th St, Montpelier, ID 83254

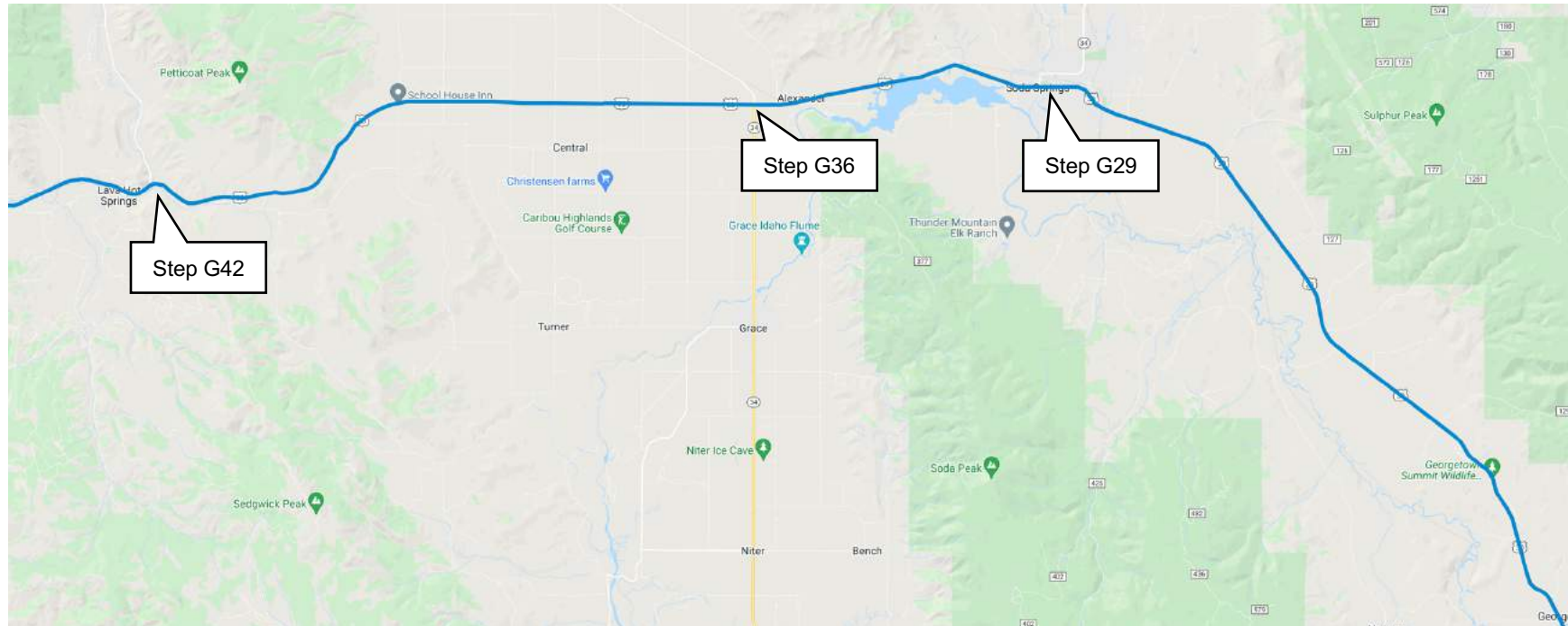
STAGE STOP:
Historic Downtown Pocatello
420 N Main St, Pocatello, ID 83204



MONTPELIER, ID – POCATELLO, ID**Montpelier Detail****Georgetown Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 1	0.00		TURN RIGHT out of the parking lot onto US-30 West		2	35	paved w/curb	
G 2	0.10	0.10		Garfield St			bike lane	
G 3	0.50	0.40	MERGE LEFT, right lane ends ahead			45	paved	
G 4	0.80	0.30			1	65	paved	
G 5	2.30	1.50		Ranch Hand Trail Stop on right	2			truckstop
G 6	2.60	0.30		Mile marker 432 on left	1			
G 7	4.60	2.00		Entering Bennington (Pop 190, Elev 6,053 ft)	2	55	curb	none
G 8	5.20	0.60	MERGE LEFT, right lane ends ahead		1	65	paved	
G 9	7.70	2.50		Gain passing lane for next mile <i>Sherman Peak visible ahead to the left (10 o'clock)</i>	2		paved	
G 10	8.60	0.90	MERGE LEFT, right lane ends ahead		1			
G 11	9.10	0.50		Pullout both sides				
G 12	10.60	1.50				45		
G 13	10.80	0.20		Entering Georgetown (Pop 1,871, Elev 6,050 ft)		35		none
G 14	11.80	1.00				45		
G 15	12.00	0.20		Elk migration area, next 12 miles		65	paved/ gravel	
G 16	13.70	1.70		Paved pullout both sides				
G 17	14.60	0.90		Gain passing lane next 1 mile	2	65	paved	
G 18	15.50	0.90	MERGE LEFT, right lane ends ahead	Georgetown Summit (Elev 6,283 ft), large paved pullout on right	1		paved/ gravel	
G 19	17.00	1.50		Turnoff for fishing area/Georgetown WMA (large pullout on right)				
G 20	18.70	1.70		Paved pullout both sides				
G 21	21.50	2.80		Entering Caribou County			paved	
G 22	23.20	1.70		Gain passing lane for next 1.5 miles	2			
G 23	24.60	1.40	MERGE LEFT, right lane ends ahead		1			

MONTPELIER, ID – POCATELLO, ID



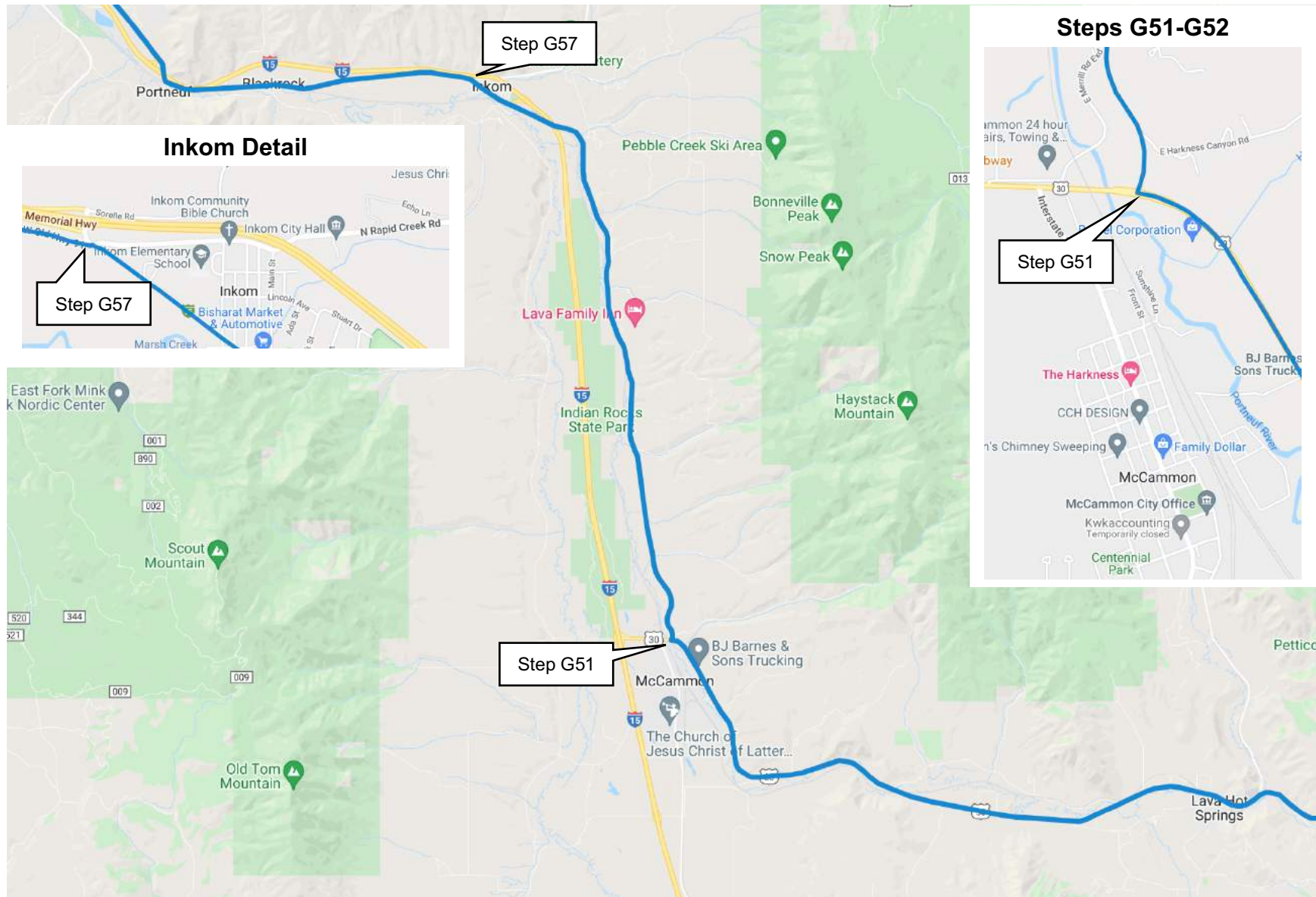
Soda Springs Detail



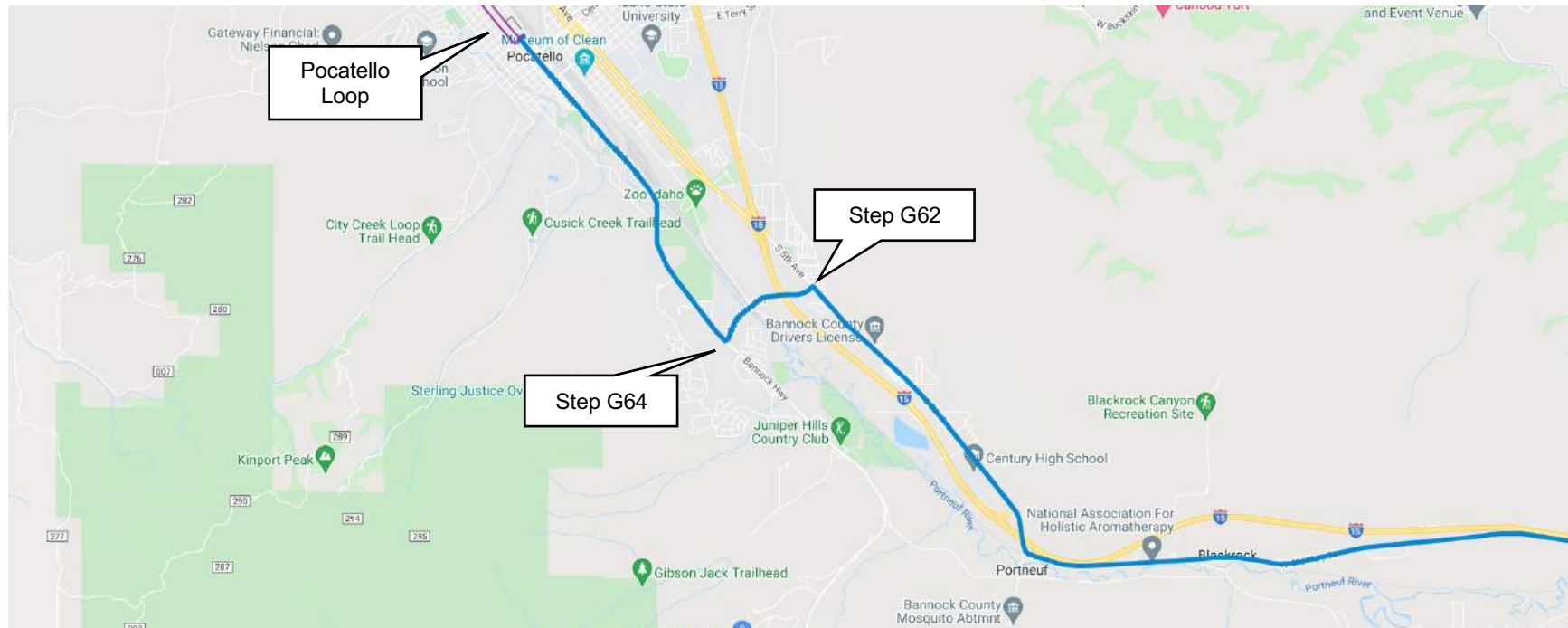
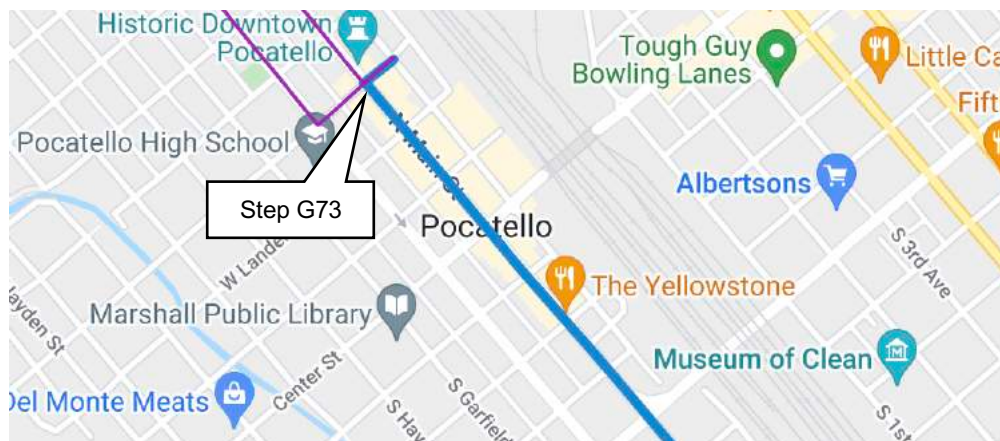
Lava Hot Springs Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 24	25.10	0.50		Oregon Trail Bear Lake Scenic Byway NHT Sulphur Springs turnoff to right				
G 25	27.80	2.70		Entering Soda Springs (Pop 3,058)		45		all
G 26	27.90	0.10		Bridge over RR tracks				
G 27	28.30	0.40		Low Flying Aircraft sign on right	1	35		
G 28	29.10	0.80		SL for ID-34/3rd E Street	2	35	curb	
G 29	29.50	0.40		SL for Main St				
G 30	30.10	0.60			2	45	paved	
G 31	30.20	0.10	CONTINUE STRAIGHT on US-30 West/ID-34 South	Pioneer Historic Byway, Oregon Trail Auto Tour Route				
G 32	30.60	0.40				65		
G 33	31.40	0.80		Oregon Trail Country Club on left				
G 34	32.20	0.80		Oregon Trail Park & Marina on left				
G 35	33.10	0.90		Entering Davisville				none
G 36	36.20	3.10		Flashing yellow for Jct ID-34			wide paved	
G 37	42.30	6.10		Weigh station on right, wide and long paved pullout, mile marker 380				
G 38	43.80	1.50		Paved pullout on right for Chesterfield historic site				
G 39	44.20	0.40		Flashing yellow at turnoff for Chesterfield Historical Site and "Bancroft 5 miles"		65	paved	
G 40	46.60	2.40		Fish Creek Summit, 6,066 ft, 5% downward grade next 4 miles				
G 41	49.10	2.50	MERGE LEFT, right lane ends ahead		1		paved	
G 42	50.80	1.70		Lava Hot Springs (Pop 407), cross the Portneuf River		45		all
G 43	52.20	1.40		Sinclair station on right ahead		55		fuel
G 44	53.10	0.90			2	65	wide paved	

MONTPELIER, ID – POCATELLO, ID

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 45	53.40	0.30		Old Oregon Trail Rd to right, then cross Portneuf River				
G 46	57.40	4.00		Old Oregon Trail Rd to right (again)				
G 47	57.90	0.50		Cross Portneuf River (again), extra river crossing directly ahead				
G 48	59.20	1.30		Crystal Springs Rd on right <i>Views of Bannock Range and Old Tom Mountain due ahead</i>				
G 49	61.50	2.30	PREPARE to turn right ahead!	Mile marker 361 on right, 12th St to left				
G 50	62.50	1.00		Mile marker 360 on right, 45 mph sign ahead		45		
G 51	62.80	0.30	TURN RIGHT at Old Hwy 91, BEFORE the bridge. PAY ATTENTION! EASY TO MISS!	Idaho DOT facility with gravel piles and trucks on the right, sign for Point of Interest "McCammon History" to left	1	45	gravel	
G 52	63.20	0.40		Open Range sign on right				
G 53	63.50	0.30		Robertson Taxidermy and Tanning on right				
G 54	66.20	2.70		Robber's Roost Canyon Road on right				
G 55	72.20	6.00		Pass under I-15 - no interstate access				
G 56	73.00	0.80	TURN LEFT at Stop Sign onto Business I-15	Enter Inkom (Pop 854)	1	35		fuel
G 57	73.80	0.80	TURN LEFT to continue on Old Highway 91 - signs to Historical Site, intersection with Grant Ave	Do not follow the sharp right curve to I-15! Easy to miss!	1	45	gravel/ grass	
G 58	76.30	2.50		American Flag and Pocatello Valley Fire Station No. 2 on right				
G 59	78.90	2.60		I-15 South access (exit 63), road curves to the right and passes under I-15; now on the north side of the interstate				
G 60	79.40	0.50	CONTINUE STRAIGHT on 5th St	CAT Western States facility on left, Electrical Training Center on right, I-15 North access (exit 63)	2	45		

MONTPELIER, ID – POCATELLO, ID**Final Approach to Pocatello Stage Stop****Pocatello Stage Stop**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 61	79.80	0.40		SL for Century High School crosswalk Entering Pocatello (no sign)			narrow w/curb	all
G 62	82.20	2.40	TURN LEFT at SL for South Valley Rd	Protected left, trailer park on right	1	45	wide paved	
G 63	82.40	0.20		Pass under I-15 - no interstate access				
G 64	83.20	0.80	TURN RIGHT at Stop Sign onto Bannock Hwy		1	35	paved	
G 65	83.80	0.60		Caution: golf cart crossing, Exxon on left, golf course on right				fuel
G 66	84.70	0.90		Union Pacific Railroad building on right			wide paved/ gravel	
G 67	85.40	0.70				35		
G 68	85.70	0.30	MERGE LEFT, must be in the left lane to go straight at the next light!	Begin one-way traffic	2	25	curb	
G 69	86.10	0.40	CONTINUE STRAIGHT on Main St	SL for W Benton St Right lane is turn only! Do not be in the right lane!	1			
G 70	86.30	0.20		SL for W Lewis St (Lights timed for 25 mph)	2	25	curb	food
G 71	86.40	0.10		SL for W Center St				
G 72	86.45	0.05		SL for W Clark St				
G 73	86.50	0.05	TURN RIGHT (no Stop Sign!) onto Fremont St	Historic Downtown Pocatello building & pavilion on far right corner				
G 74	86.55	0.05	CONTINUE STRAIGHT at Stop Sign into parking lot					
G 75	86.60	0.05	TURN LEFT into parking lot for Stage Stop	Follow staff directions				

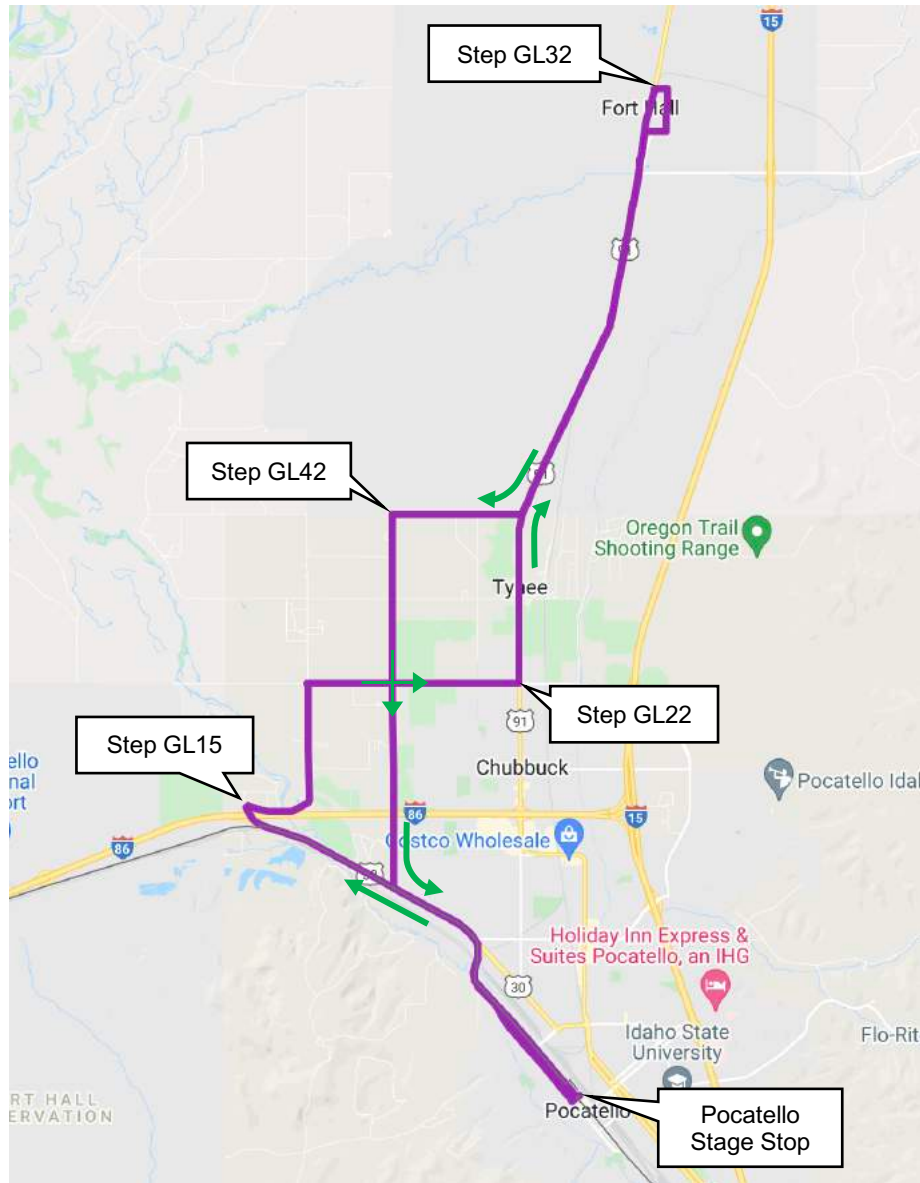
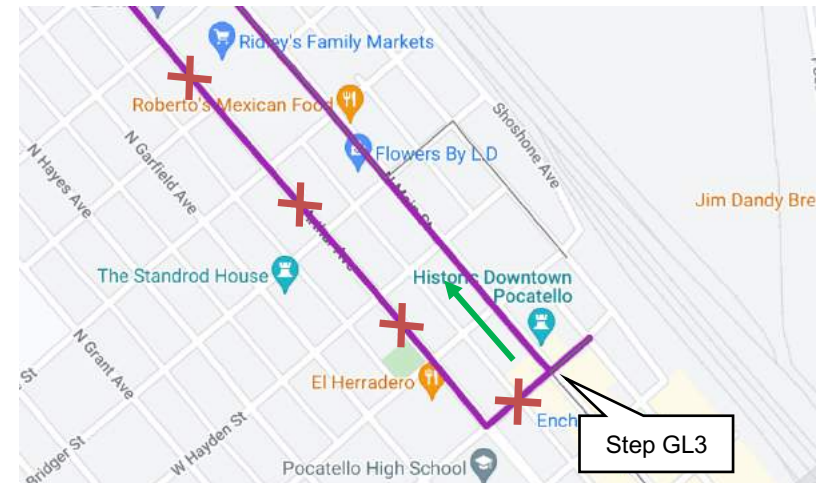
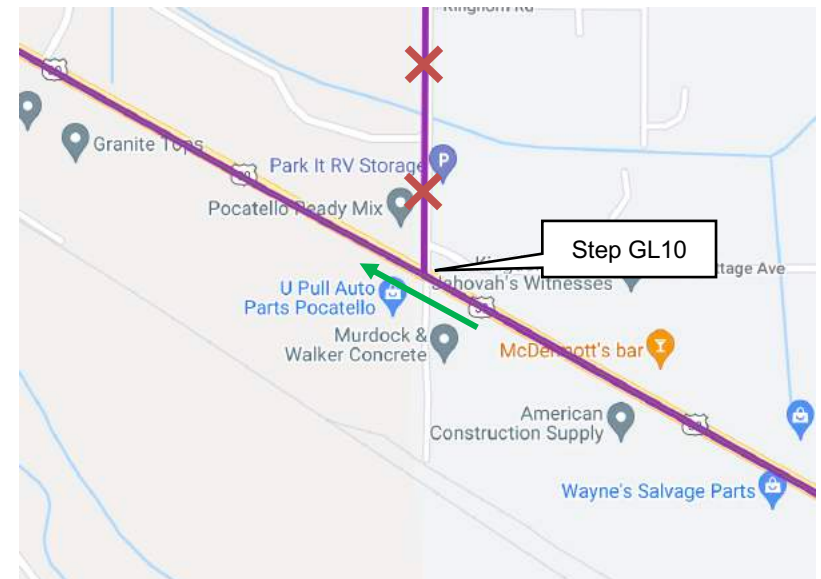


Historic Downtown Pocatello – Pocatello, ID – Stage Stop

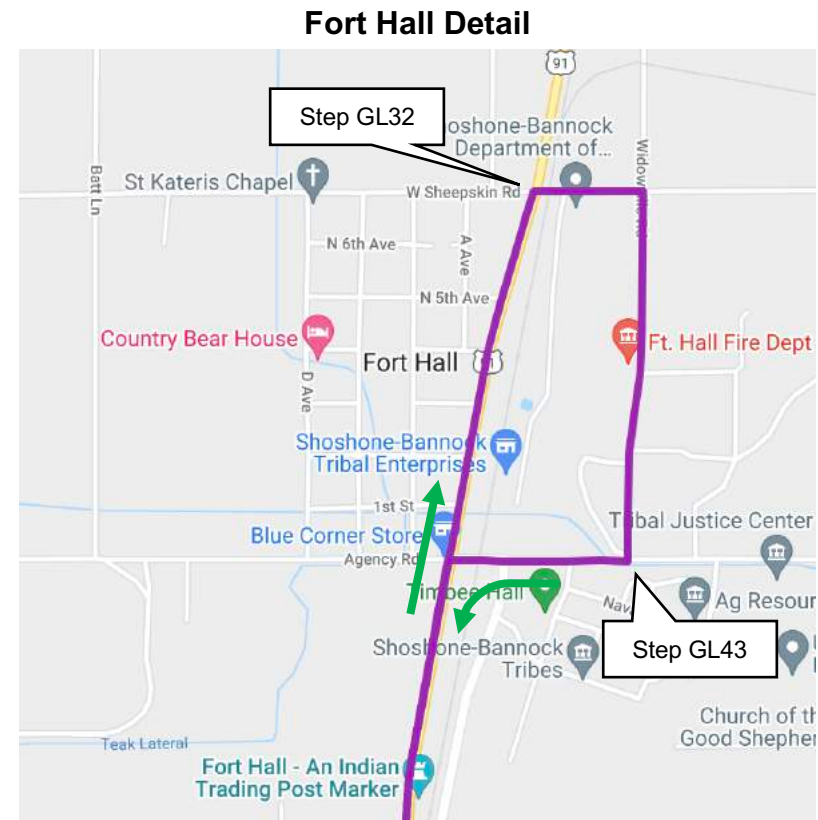
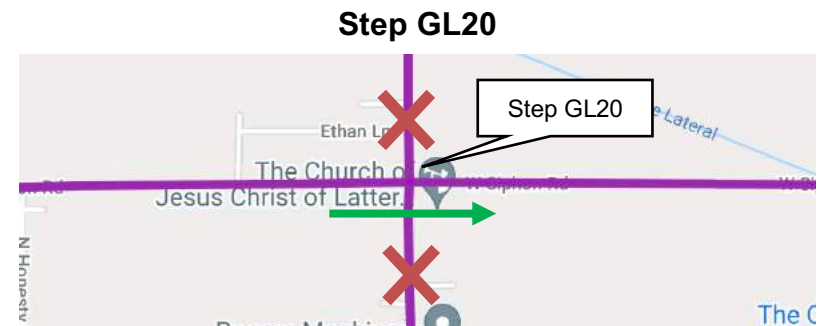
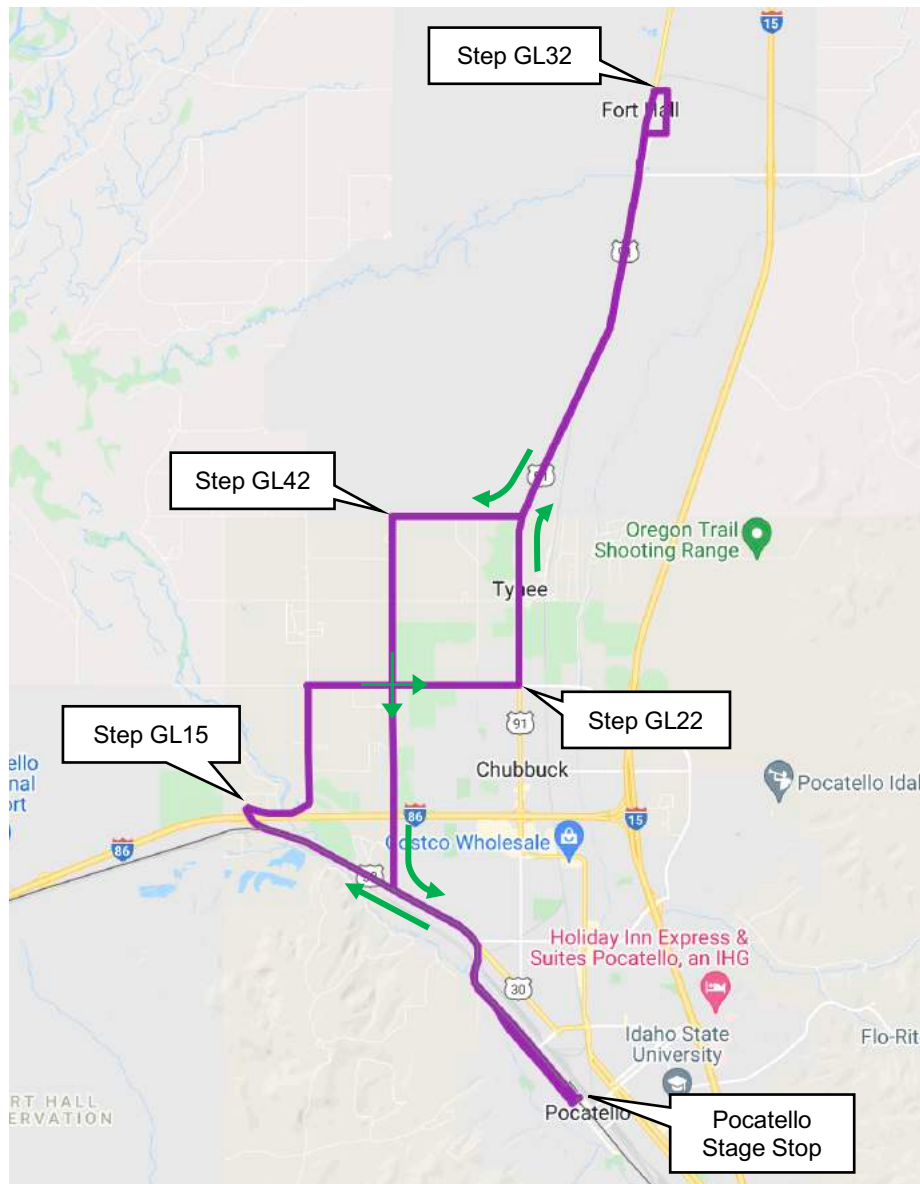


STAGE 3
OPTIONAL LOOP
(SEGMENT G LOOP)
POCATELLO

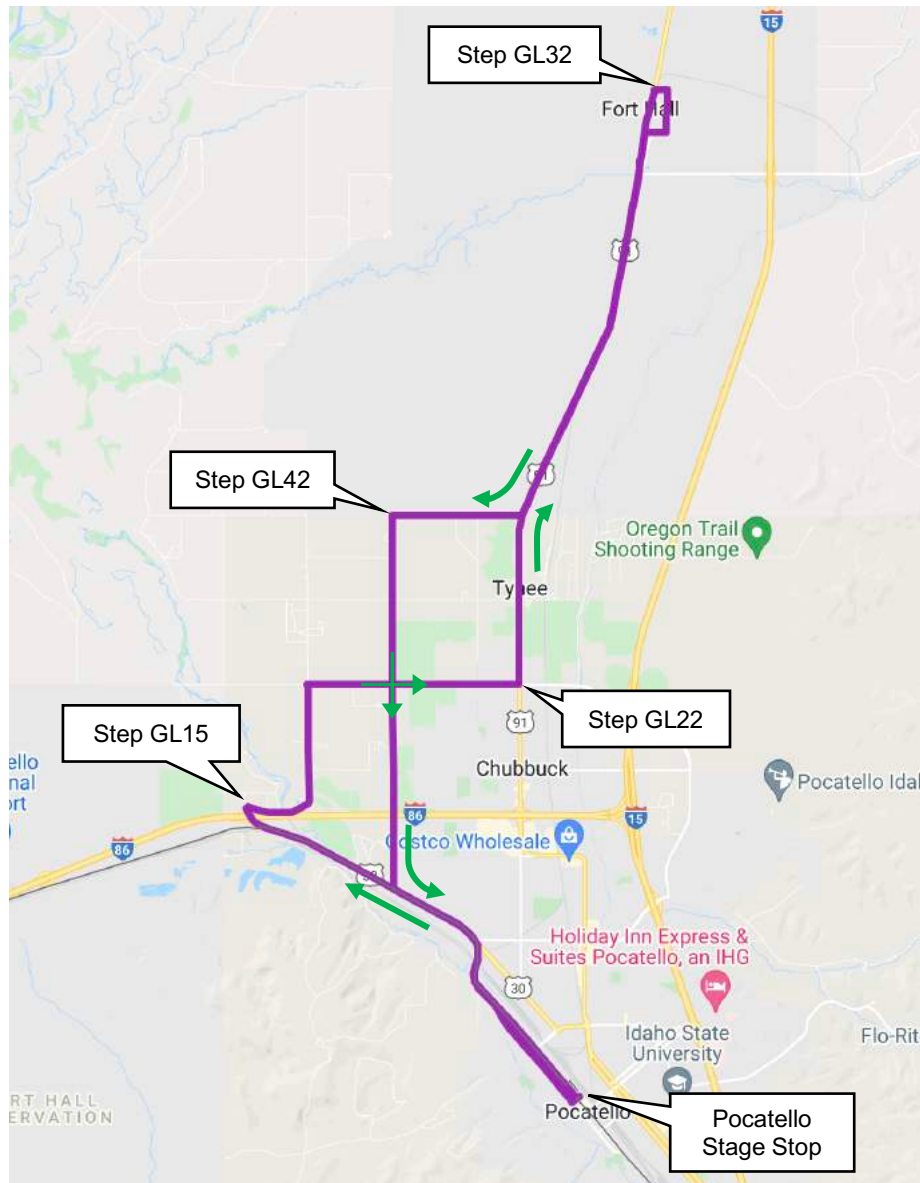
AMERICAN SOLAR CHALLENGE 2022

POCATELLO OPTIONAL LOOP**Pocatello Exit Detail****Steps GL9-GL10**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 1	0.00		TURN RIGHT leaving parking lot onto Fremont St		1	25	curb	
GL 2	0.00	0.00	CONTINUE STRAIGHT at Stop Sign with Union Pacific Ave	Immediately after leaving parking lot				
GL 3	0.05	0.05	TURN RIGHT at Stop Sign onto Main St					
GL 4	0.50	0.45		Custer St		35		
GL 5	0.80	0.30		SL for W Gould St (avoid the right turn lane; continue straight)				
GL 6	1.10	0.30	MERGE LEFT for left turn ahead		2	50	paved bike lane	
GL 7	2.10	1.00		Pass under rail bridge				
GL 8	2.30	0.20	TURN LEFT at SL for Garrett Way/US-30 West	Two left turn lanes, protected left	2	45	paved	
GL 9	2.50	0.20	MERGE LEFT, right lane ends ahead		1	55	paved	
GL 10	3.50	1.00		SL for Philbin St				
GL 11	4.10	0.60	STAY in left lane for left turn 1 mile ahead		2	55	paved	
GL 12	4.70	0.60		Enter Power County				
GL 13	5.10	0.40	CONTINUE STRAIGHT	Left turn lane for Simplot refinery complex; continue straight!				
GL 14	5.40	0.30		Cross I-86				
GL 15	5.60	0.20	TURN RIGHT onto Frontage Rd/Batiste Rd					
GL 16	6.30	0.70	FOLLOW LEFT CURVE to continue on Rio Vista Rd	Pocatello Wastewater Treatment plant on left				
GL 17	6.70	0.40		Chubbuck Rd on right, Quarry on left		35		
GL 18	7.70	1.00	TURN RIGHT at Stop Sign onto Siphon Rd		1	35	none	
GL 19	8.30	0.60		Honesty Rd on right (easy to miss) <i>Pocatello range visible ahead</i>				

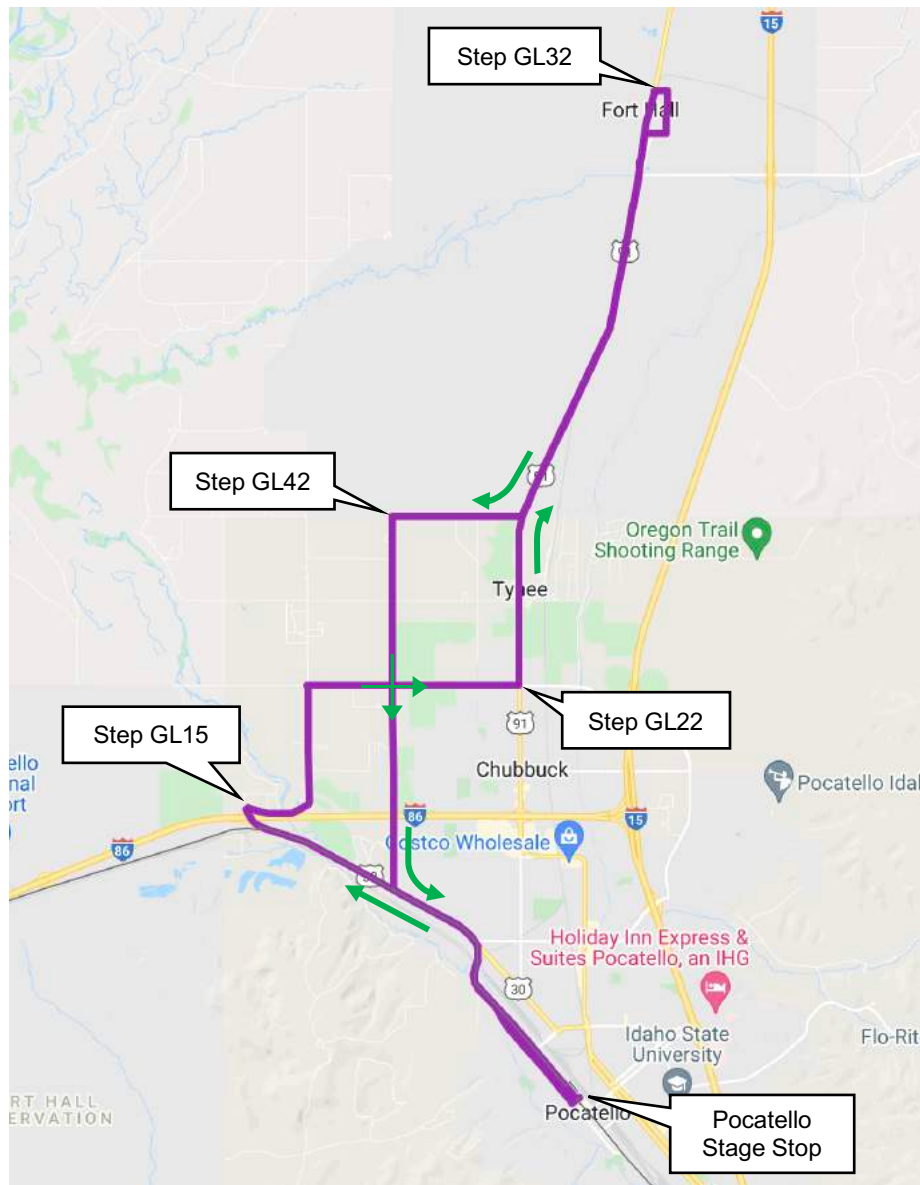
POCATELLO OPTIONAL LOOP

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 20	8.70	0.40	CONTINUE STRAIGHT at Stop Sign with Philbin Rd	Paved parking lot on right after stop Note: Solar cars that are returning to Pocatello on this loop will cross from left to right here, DO NOT FOLLOW THEM if you want to complete the loop route				
GL 21	9.70	1.00		All-Way Stop Hawthorne Rd		30		
GL 22	10.20	0.50	TURN LEFT at SL onto US-91/Yellowstone Ave	"Fort Hall 6 miles"	1		paved	
GL 23	10.40	0.20		Southside Way		50		
GL 24	11.20	0.80		Tyhee Rd				
GL 25	12.20	1.00		Reservation Rd		55		
GL 26	13.30	1.10		Ballard Rd				
GL 27	14.50	1.20		Cemetary Rd				
GL 28	15.50	1.00		Edmo Rd				
GL 29	16.70	1.20		Fort Hall Indian Trading Post marker (historical markers on left & right)		50		
GL 30	17.00	0.30	CONTINUE STRAIGHT at Agency Rd	Agency Rd & Blue Corner Store on corner, Fort Hall Indian Agency Note: Solar cars that are returning to Pocatello on this loop will make an unprotected left here		35		
GL 31	17.30	0.30		4th N St on left, Faith Baptist Church on right		45		
GL 32	17.50	0.20	TURN RIGHT onto Sheepskin Rd (no stop sign!)	Pass row of pink silos on right just before turn, immediately cross RR tracks after turn				
GL 33	17.70	0.20	TURN RIGHT onto Widowville Rd (no stop sign!)	Begin the return journey to Pocatello	1	35	none	
GL 34	18.20	0.50	TURN RIGHT at Stop Sign onto Agency Rd	T-intersection	1	25	none	

POCATELLO OPTIONAL LOOP**Step GL44****Step GL48****Pocatello Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 35	18.40	0.20	TURN LEFT at Stop Sign onto US-91 (just after RR tracks)	Cross RR tracks before turn, cross traffic does not stop at turn Note: Solar cars heading away from Pocatello cross from left to right here, DO NOT FOLLOW THEM		50	paved	
GL 36	18.70	0.30		Fort Hall Indian Trading Post (historical markers on left & right)				
GL 37	19.90	1.20		Edmo Rd				
GL 38	21.00	1.10		Cemetery Rd <i>Bannock Range visible on horizon</i>				
GL 39	22.10	1.10		Ballard Rd				
GL 40	23.20	1.10	TURN RIGHT onto Reservation Rd	No stop sign at turn	1	35	none	
GL 41	23.70	0.50		Hawthorne Rd		45	gravel	
GL 42	24.70	1.00	TURN LEFT at Stop Sign onto Philbin Rd	Cross traffic does not stop!	1	45	gravel	
GL 43	25.70	1.00		Tyhee Rd				
GL 44	26.70	1.00	CONTINUE STRAIGHT at Stop Sign with Siphon Rd	All-Way Stop for Siphon Rd Note: Solar cars heading away from Pocatello will cross from left to right here, DO NOT FOLLOW THEM	1	45		
GL 45	27.30	0.60				35		
GL 46	27.70	0.40		Stop Sign with W Chubbuck Rd				
GL 47	28.20	0.50		Bridge over I-86		45	rough dirt	
GL 48	29.10	0.90	TURN LEFT onto Garret Way / US-30	SL for Garret Way / US-30 Note: Solar cars heading away from Pocatello will cross from left to right here, DO NOT FOLLOW THEM	1	45	paved	
GL 49	30.20	1.10	TURN RIGHT onto Main St		2	50	paved	
GL 50	31.00	0.80	CONTINUE on Arthur Ave	Omaha			bike lane /parking	
GL 51	31.60	0.60				35		
GL 52	31.80	0.20		SL for Gould St		25		
GL 53	32.20	0.40		SL for Custer St			parking	

POCATELLO OPTIONAL LOOP



Pocatello Approach Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 54	32.60	0.40	TURN LEFT onto Fremont St	First Baptist Church at corner on left				
GL 55	32.70	0.10		Stop Sign for Main St				
GL 56	32.75	0.05	CONTINUE STRAIGHT at Stop Sign with Union Pacific Ave					
GL 57	32.80	0.05	TURN LEFT into parking lot for Stage Stop	Follow staff directions				

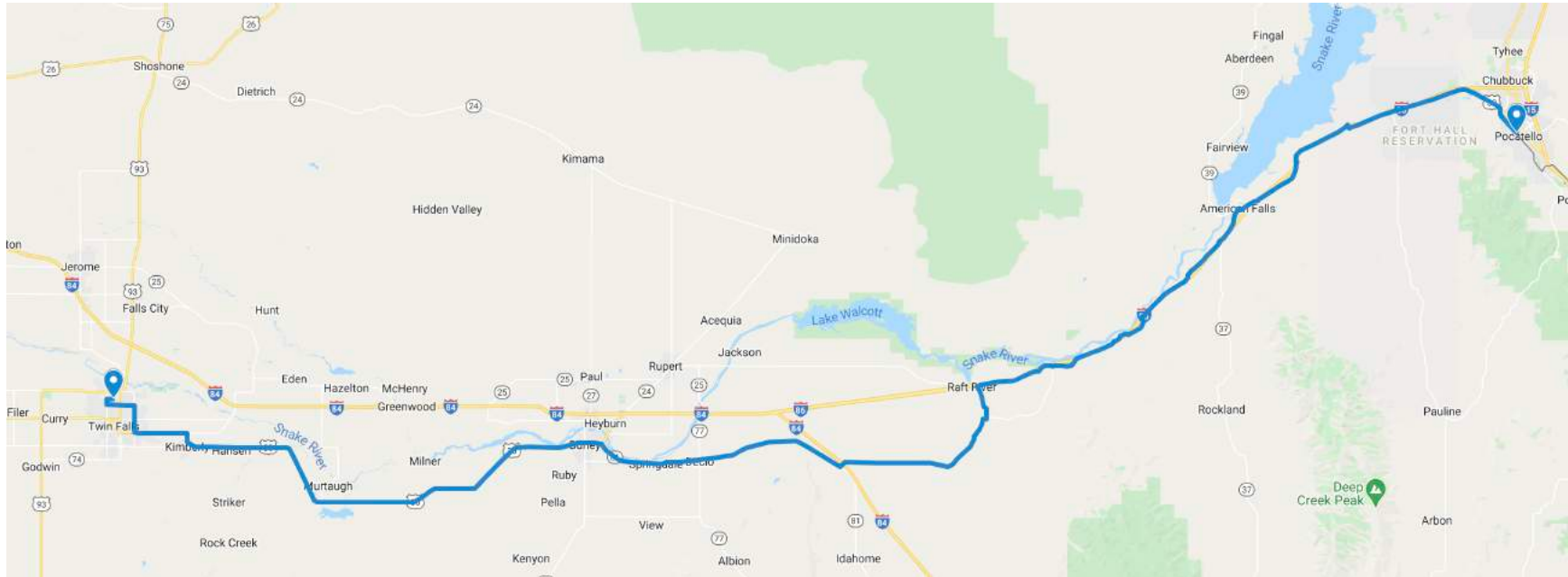
STAGE 4

2022 AMERICAN SOLAR CHALLENGE

Pocatello, ID – Twin Falls, ID July 16

Time Zone	Mountain Time (24 Hour Format)		
Stage Start	Historic Downtown Pocatello 420 N Main St, Pocatello, ID 83204	Nominal Start Time	9:00, July 16
Stage Finish	Herrett Center for Art and Science 315 Falls Ave, Twin Falls, ID 83301	Open Time Nominal Close Time	11:30, July 16 15:00, July 16

STAGE 4 ROUTE OVERVIEW



Segment H**Base Leg H**

Pocatello, ID – Twin Falls, ID

129.1 miles

STAGE 4

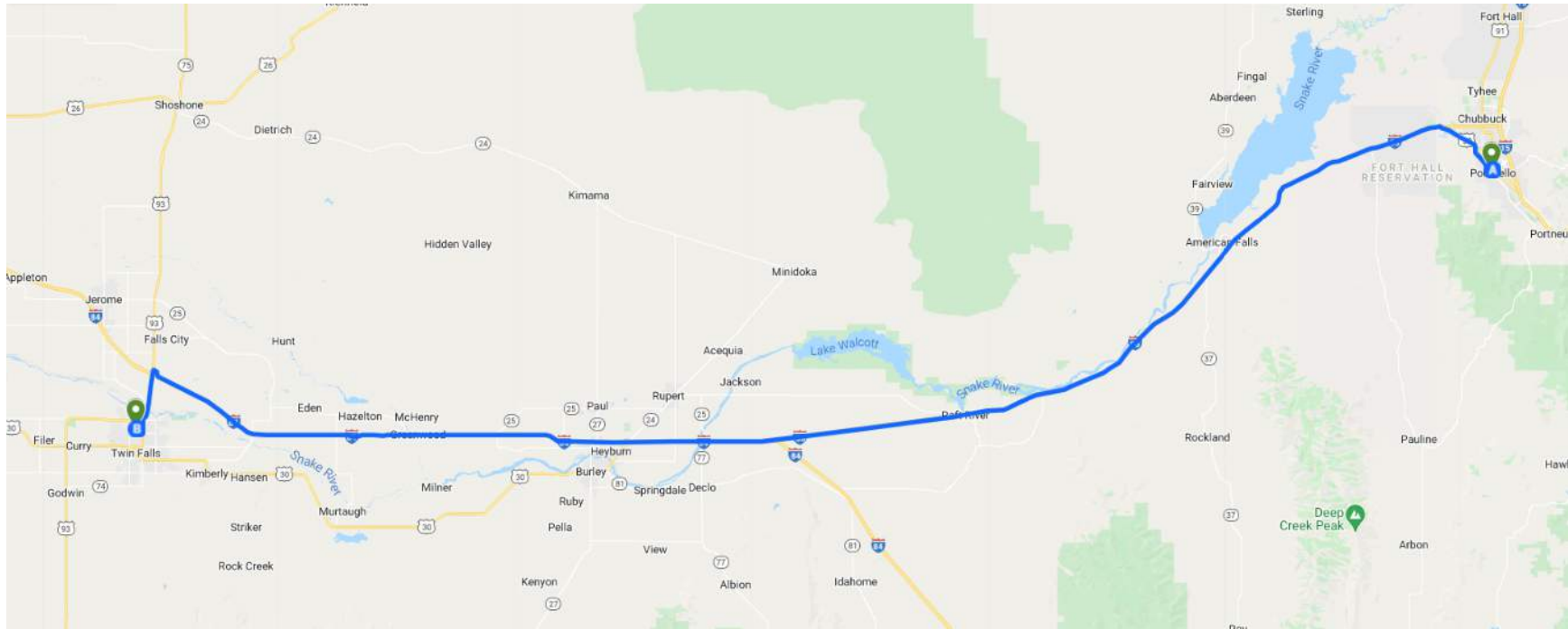
SEGMENT H

AMERICAN SOLAR CHALLENGE 2022

Pocatello, ID – Twin Falls, ID

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

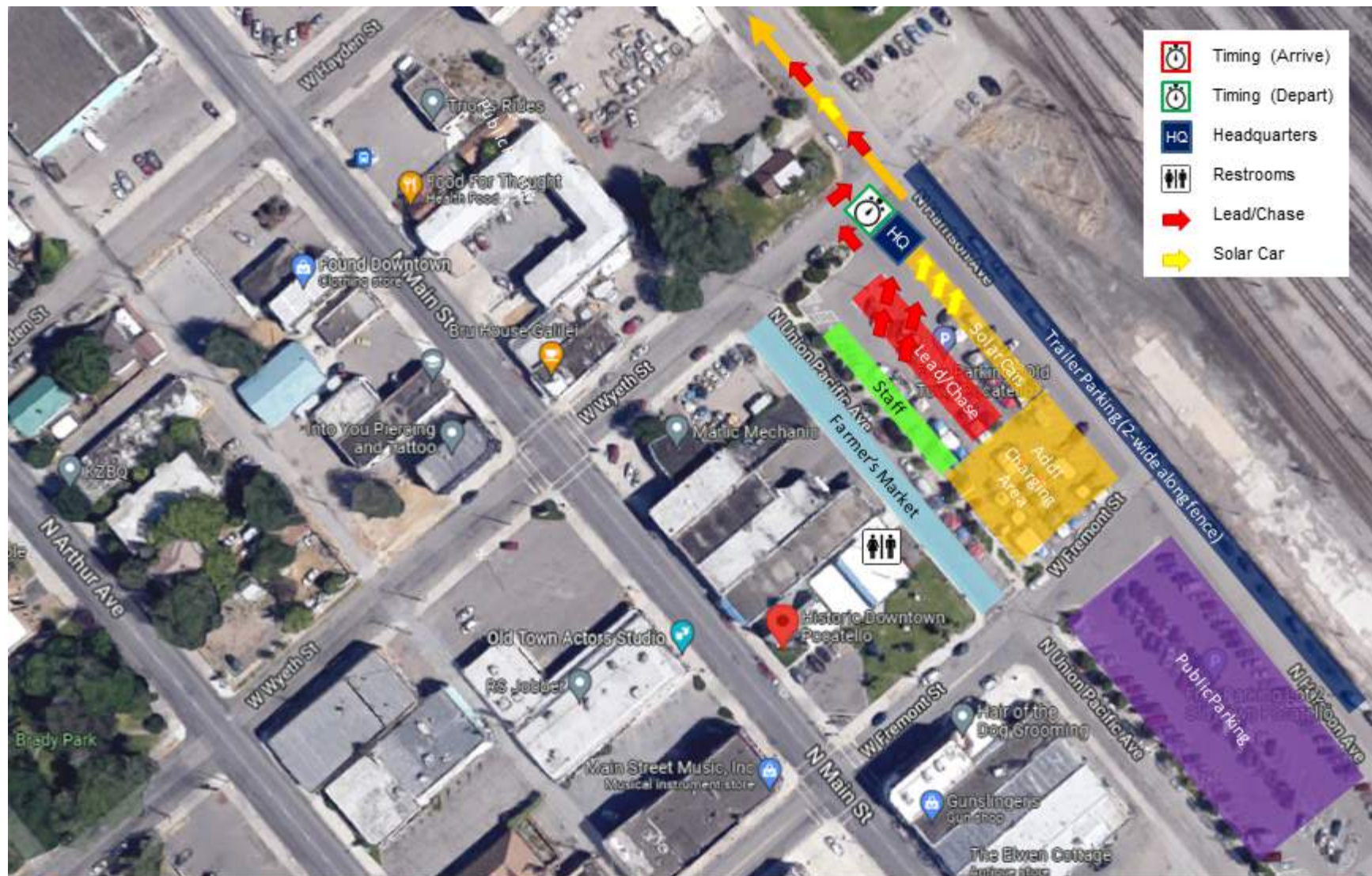
SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
0	Head west on N Harrison Ave, follow the solar car route for the first few miles	Join the solar car route
0.1 mi	TURN LEFT onto W Bridger St	
354 ft	TURN RIGHT onto N Main St	
2.1 mi	TURN LEFT onto US-30 W	
3.2 mi	TURN LEFT to merge onto I-86 W toward Airport/American Falls/Twin Falls	Leave the solar car route
0.3 mi	Merge onto I-86 W/US-30 W	
13.7 mi	Continue onto I-86 W/US-30 S	
44.5 mi	Merge onto I-84 W	
47.6 mi	TAKE EXIT 173 for US-93 toward Twin Falls/Sun Valley	
0.9 mi	TURN LEFT onto US-93 S	
3.9 mi	Continue onto N 3000 E Rd/Blue Lakes Blvd N	
1.0 mi	TURN RIGHT onto Falls Ave	
0.7 mi	TURN RIGHT at SL for Quincy St/CSI Entrance	
397 ft	TURN RIGHT at yield sign onto the road which loops around the college (Slow – speed bumps ahead)	
0.26 mi	TURN RIGHT into parking lot on the right (Watch for ASC signage!)	

Approx. 118 miles (1hr, 52 min)

SUPPORT ROUTE ONLY – NOT SOLAR CAR ROUTE! – SUPPORT ROUTE ONLY

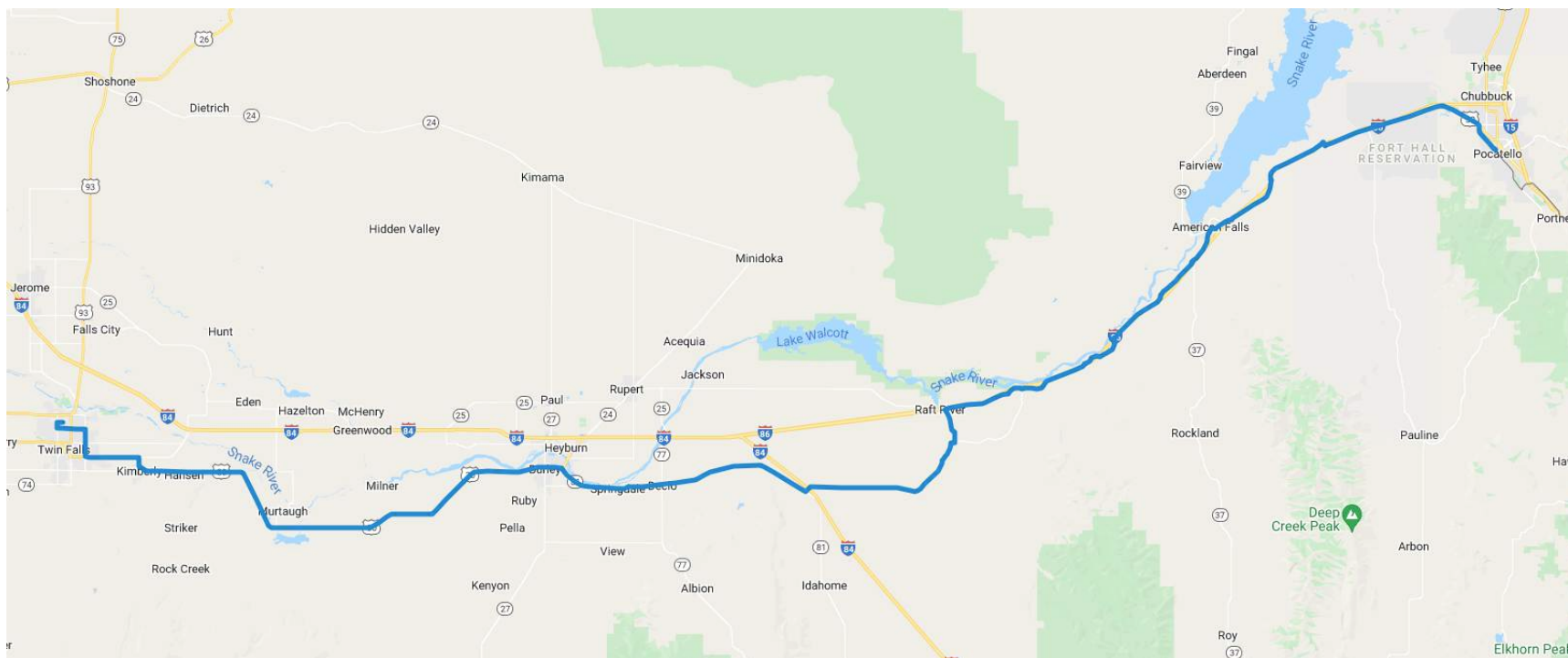


Historic Downtown Pocatello – Pocatello, ID – Stage Start



SOLAR CAR ROUTE OVERVIEW

POCATELLO, ID – TWIN FALLS, ID



POCATELLO, ID – TWIN FALLS, ID

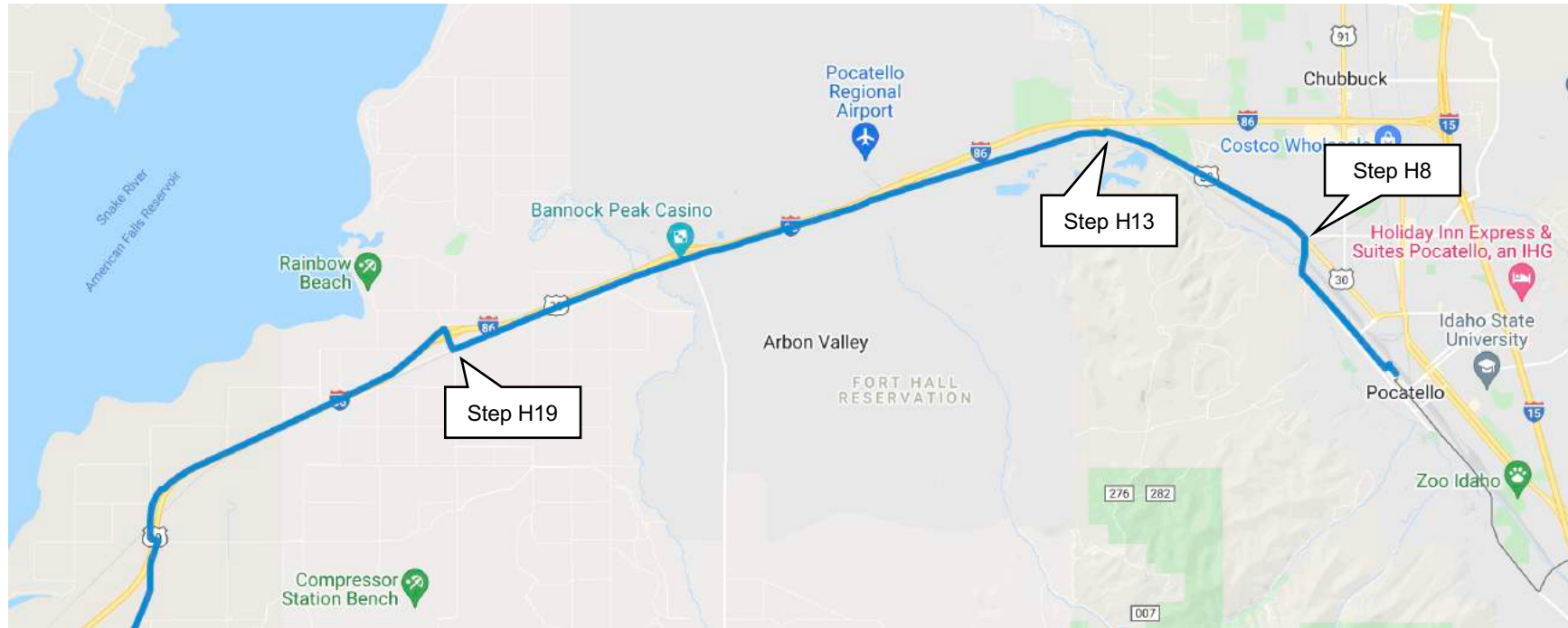
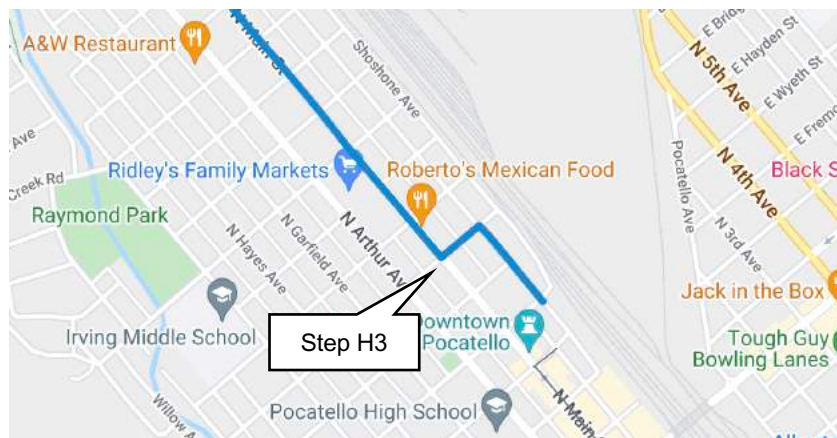
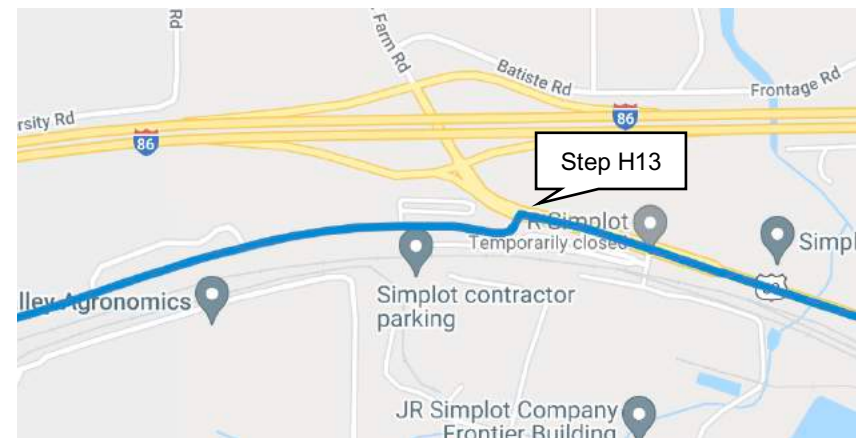
STAGE START:

Historic Downtown Pocatello
420 N Main St, Pocatello, ID 83204

FINISH:

Herrett Center for Art and Science
315 Falls Ave, Twin Falls, ID 83301



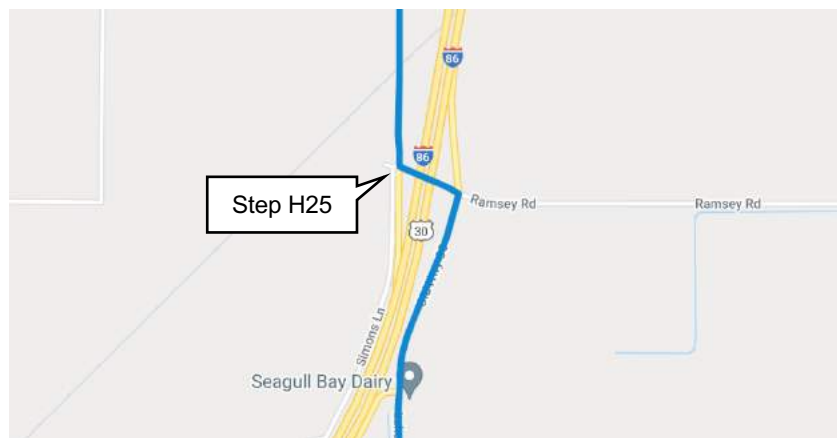
POCATELLO, ID – TWIN FALLS, ID**Pocatello Detail****Step H13**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 1	0.00			Leave checkpoint	1	25		
H 2	0.15	0.15	TURN LEFT onto W. Bridger St (no stop sign)					
H 3	0.20	0.05	TURN RIGHT at Stop Sign onto Main St		2	25	parking	
H 4	0.40	0.20		Custer St		35		
H 5	0.80	0.40		SL for W Gould St (avoid the right turn lane; continue straight)				
H 6	1.10	0.30	MERGE LEFT for left turn ahead		2	50	paved bike lane	
H 7	2.10	1.00		Pass under rail bridge				
H 8	2.30	0.20	TURN LEFT at SL for Garrett Way/US-30 West	Two left turn lanes, protected left	2	45	paved	
H 9	2.50	0.20	MERGE LEFT, right lane ends ahead		1	55	paved	
H 10	3.50	1.00		SL for Philbin St				
H 11	4.20	0.70	STAY in left lane for left turn 1 mile ahead		2	55	paved	
H 12	5.10	0.90	CONTINUE STRAIGHT	Left turn lane for Simplot refinery complex; continue straight!				
H 13	5.30	0.20	TURN LEFT (use left turn lane) onto E Country Rd BEFORE I-86	PAY ATTENTION! EASY TO MISS! Simplot plant parking lot turnoff on left just before turn	1	50	paved shoulder	
H 14	7.70	2.40		Access to I-86 on right (exit 56)				
H 15	8.00	0.30		Chevron gas station and Jet Stop on right				fuel
H 16	8.20	0.20		RR tracks, single track				
H 17	10.90	2.70		Stop Sign for Arbon Valley Hwy with access to I-86 (exit 52) CAUTION: cross traffic does not stop!				
H 18	11.00	0.10		Sinclair on right				fuel
H 19	14.20	3.20	TURN RIGHT at Stop Sign onto Schaffer Ln	Views of Snake River Plain on right				
H 20	14.30	0.10		Cross over I-86 (exit 49)				

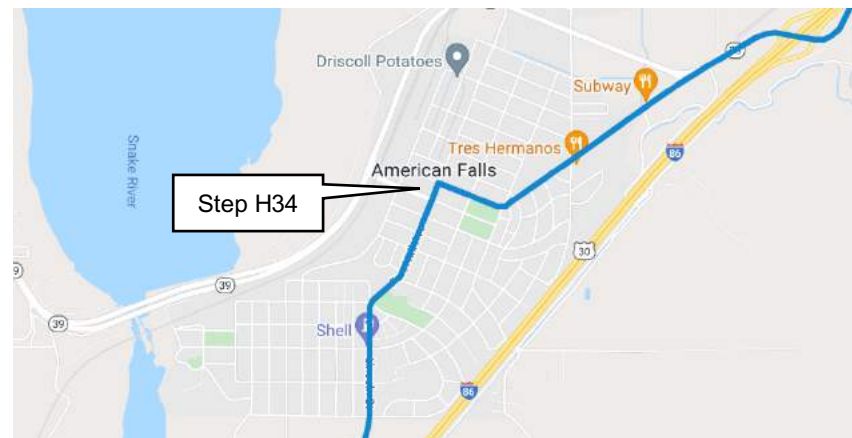
POCATELLO, ID – TWIN FALLS, ID



Steps H25-H26

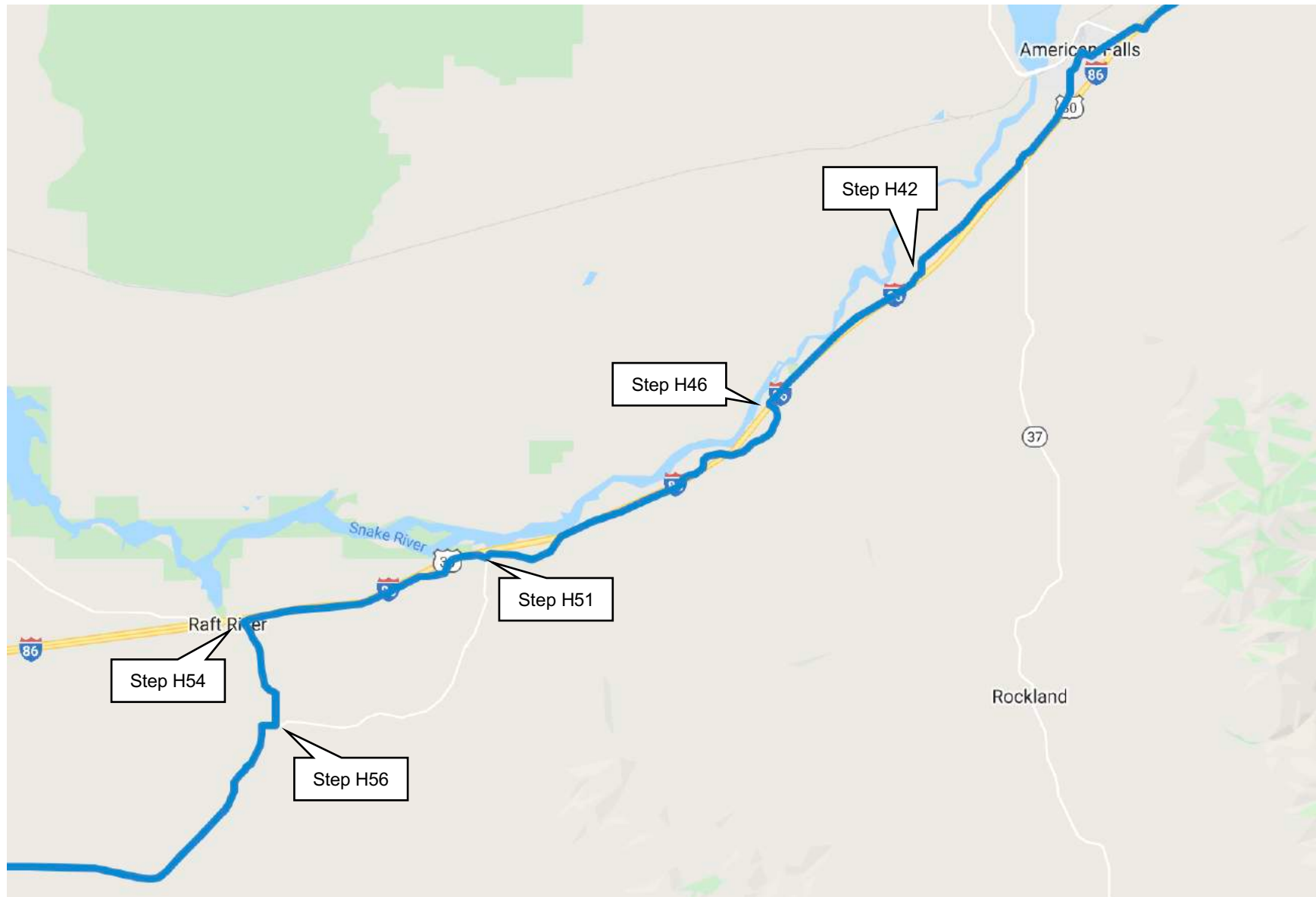


American Falls Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 21	14.50	0.20	TURN LEFT onto I-86 West/US-30 West entrance towards American Falls and Twin Falls	Cattle grate at the top of the entrance ramp, joining at exit 49				
H 22	14.80	0.30	MERGE LEFT onto I-86/US-30 West		2	80	wide paved	
H 23	17.60	2.80		"frequently high winds next 3 miles"				
H 24	18.50	0.90	EXIT RIGHT at exit 44 for Seagull Bay Recreation Area					
H 25	18.70	0.20	TURN LEFT at Stop Sign at the bottom of the exit onto Sundance Rd	Cattle guard before stop sign	1	50	gravel	
H 26	19.40	0.70	TURN LEFT onto Ramsey Rd/ Simmons Rd with signs towards Pocatello, pass under interstate	DO NOT re-enter I-86				
H 27	19.50	0.10	TURN RIGHT onto Frontage Rd/Old Hwy 30		1	50	dirt	
H 28	20.80	1.30		"Congested area" and "children at play" signs on right				
H 29	23.60	2.80				45		
H 30	24.00	0.40	CONTINUE STRAIGHT on ID-39	Pass over I-86 (exit 40) towards American Falls				all
H 31	24.40	0.40	CONTINUE STRAIGHT onto Pocatello Ave/Old Hwy 30	Jct ID-39 North to right			curb	
H 32	24.60	0.20		Alco store on right		30		
H 33	25.20	0.60	BEAR RIGHT onto Harrison St at Jct with Bannock Ave	American Falls City Park on corner				
H 34	25.50	0.30	TURN LEFT at Stop Sign for Fort Hall Ave					fuel
H 35	25.60	0.10		SL for Idaho St				
H 36	26.00	0.40	BEAR LEFT with signs for I-86 West Business Loop and "To ID-37"	Now on Lincoln St				
H 37	26.40	0.40		Double M Ag & Irrigation on right	1	45	paved	
H 38	27.00	0.60		John Deere on right		55		

POCATELLO, ID – TWIN FALLS, ID



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 39	28.30	1.30	TURN RIGHT before I-86 (exit 36) onto Eagle Rock Rd with signs towards Neeley		1	50	narrow	
H 40	29.90	1.60		Pipeline campground on right, sign for campground on left				
H 41	31.60	1.70	CONTINUE STRAIGHT onto Rock Creek Rd	Neeley Rd branches off to the right				
H 42	31.90	0.30	TURN RIGHT onto the I-86/US-30 onramp towards Twin Falls	Cattle guard at the top of the entrance ramp, joining at exit 33				
H 43	32.30	0.40	MERGE LEFT onto I-86/US-30 West		2	80	wide paved	
H 44	33.70	1.40		Large rest area on right				
H 45	36.10	2.40	EXIT RIGHT at exit 28 for Massacre Rocks State Park					
H 46	36.50	0.40	TURN LEFT at Stop Sign towards Register Rock Historical Site	now on Register Rd, cross over I-86 (exit 28)	1	50	narrow	
H 47	36.80	0.30		Cattle guard				
H 48	38.50	1.70		Cross over I-86 (no access) <i>Views of Snake River to right</i>				
H 49	38.80	0.30		Register Rock Historical Site on left, with paved parking and picnic area				
H 50	39.90	1.10		Cross under I-86				
H 51	44.90	5.00	CONTINUE STRAIGHT at Stop Sign onto Cold Water Rd	Jct Barkdull Rd/access to I-86 (exit 21) <i>Views of Snake River to right</i>	1	50	none/ barrier	
H 52	46.80	1.90				45		
H 53	48.10	1.30		no centerline on road	1	45	narrow	
H 54	50.80	2.70	TURN LEFT at Stop Sign onto Yale Rd	no centerline on road, access to I-86 to right (exit 15)	1	45	narrow	
H 55	52.30	1.50		Historic trails marker on left				
H 56	53.40	1.10	TURN RIGHT at Stop Sign to follow Yale Rd	centerline again	1	55	narrow	
H 57	53.70	0.30	TURN LEFT at Stop Sign to follow Yale Rd		1	55	narrow	

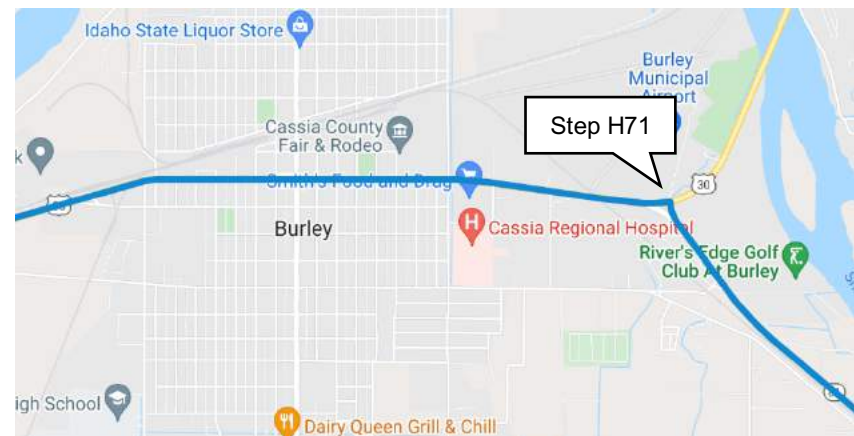
POCATELLO, ID – TWIN FALLS, ID



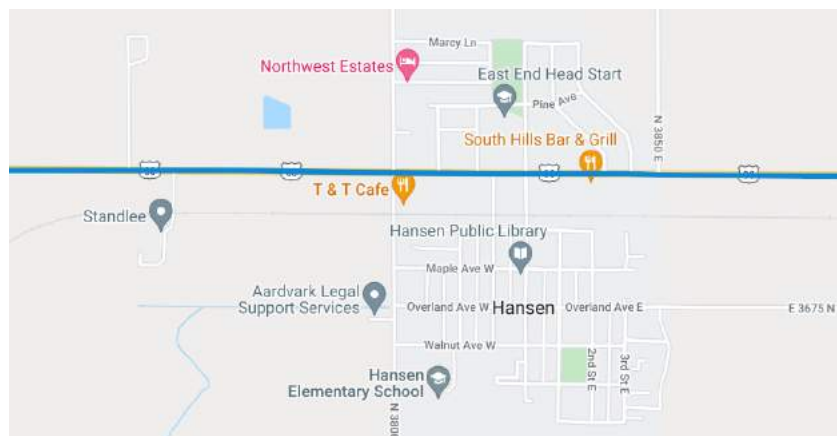
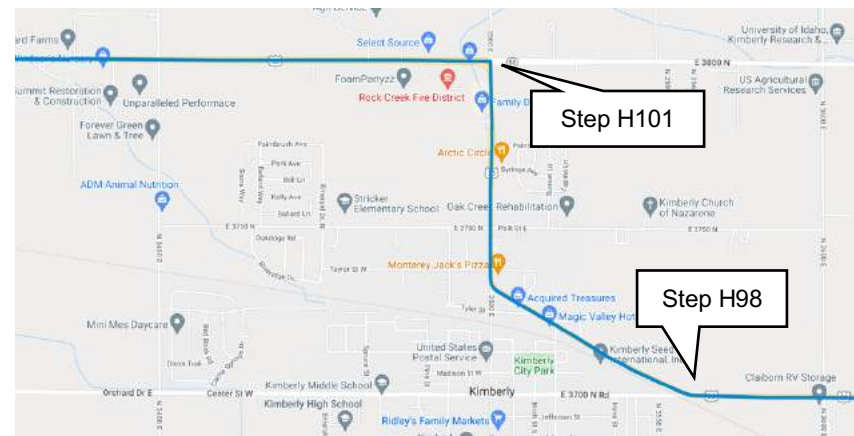
Steps H62-H63



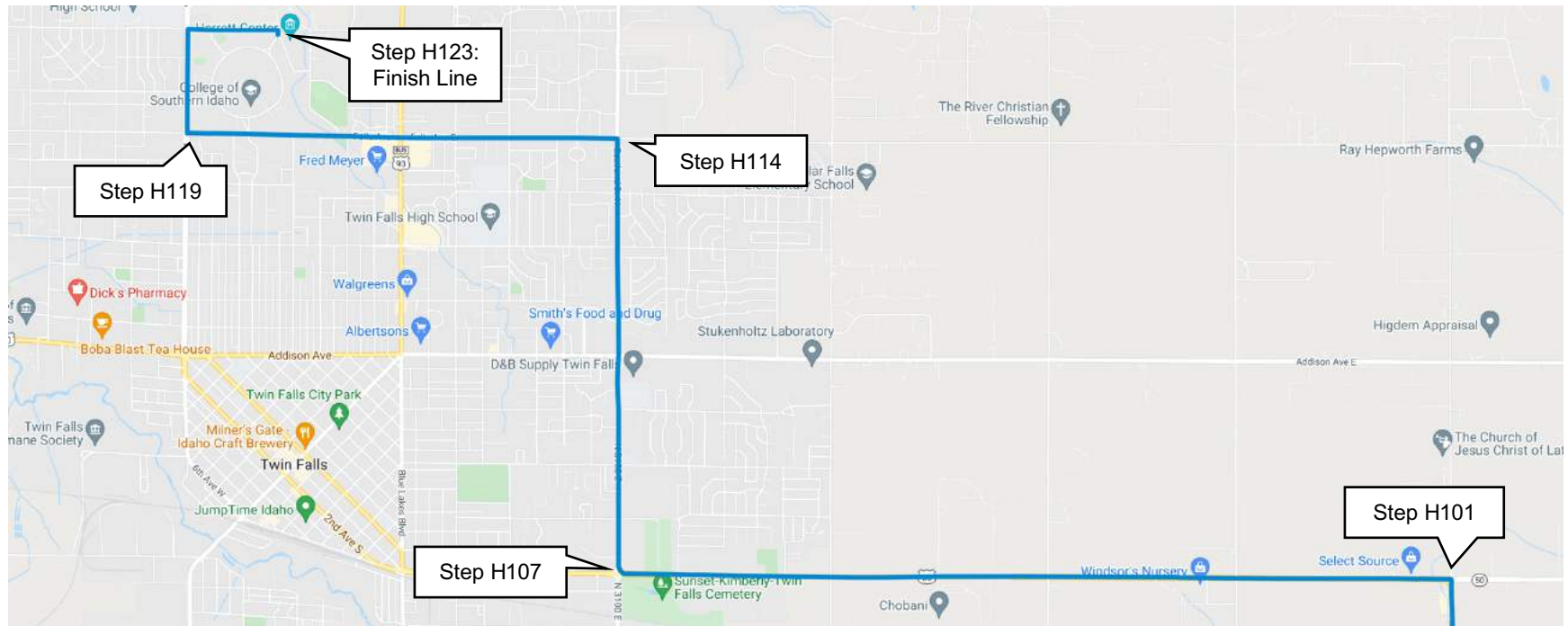
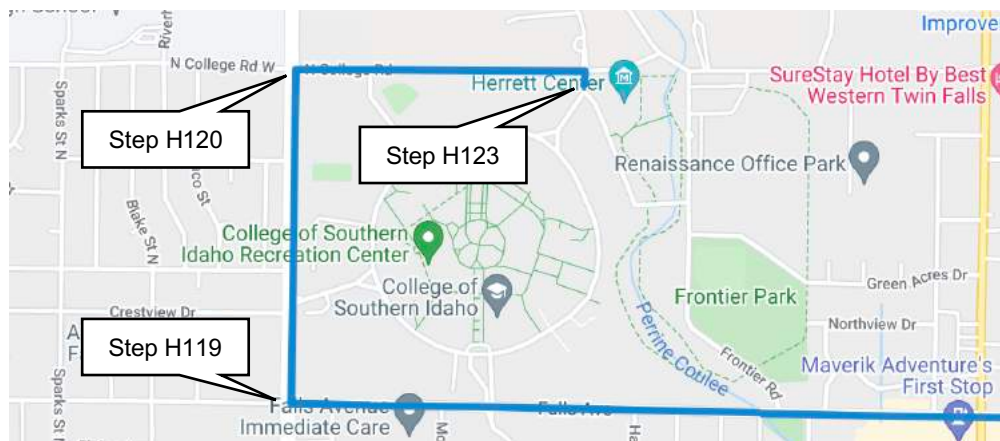
Burley Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 58	56.50	2.80		Pass by a dairy farm				
H 59	58.60	2.10		Pass by another dairy farm, speed change		65		
H 60	63.50	4.90		Jct Rd 2150 E both sides				
H 61	64.50	1.00		Jct Rd 2050 E on right <i>Horse Butte hill due left</i>				
H 62	66.00	1.50		Cross over I-84 (exit 228)				
H 63	66.30	0.30	TURN RIGHT at Stop Sign onto ID-81 towards Declo		1	65	narrow paved	
H 64	72.30	6.00		Old ID-81 (HWY 81 Bypass) on left				
H 65	74.70	2.40		3rd Lift Rd, cross irrigation canal				
H 66	77.10	2.40		Entering Declo (Pop 343)	1	45	gravel	none
H 67	77.50	0.40		Declo Cemetary on right	1	55	grass/ditch	
H 68	83.20	5.70		Grain silos on left: "International Shippers" "If you eat... you're involved in agriculture!"				
H 69	84.30	1.10				45		
H 70	84.50	0.20		Entering Burley (Pop 10,345)				all hospital
H 71	85.00	0.50	TURN LEFT at SL onto US-30 West	Oregon/California Trail auto tour route sign, Burley airport on right after turn	2	35	curb	
H 72	85.30	0.30		RR tracks, single track				
H 73	85.80	0.50		SL for Hiland Ave				
H 74	86.10	0.30		SL for Normal Ave				
H 75	86.20	0.10		SL for Albion Ave		25		
H 76	86.30	0.10		SL for Overland Ave/ID-27				
H 77	86.40	0.10		SL for Oakley Ave	2	35	curb	
H 78	86.80	0.40		RR tracks, single track		45		
H 79	87.30	0.50		SL for Washington Ave/Bedke Blvd				
H 80	87.50	0.20				55	paved	

POCATELLO, ID – TWIN FALLS, ID**Hansen Detail****Kimberly Detail**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 81	90.10	2.60	MERGE LEFT, right lane ends ahead	Historic marker for Starrh's Ferry and paved pullout on right	1	55	paved	
H 82	91.80	1.70				65	narrow paved	
H 83	93.70	1.90		Signs to Burial site, gravel pullout on right				
H 84	96.70	3.00		900 W Rd, easy to miss				
H 85	99.90	3.20		Jct1200 W, signs for Milner Recreation Area				
H 86	100.30	0.40		Turnoff for "Milner Buttle Landfill" to left, W 400 S Rd				
H 87	101.90	1.60		Entering Twin Falls County, 5000 E Rd				
H 88	105.30	3.40				55		
H 89	106.00	0.70				45		
H 90	106.80	0.80		Mile Marker 237		55		
H 91	107.20	0.40		Cross irrigation canal, sign for "Murtaugh Lake" to left				
H 92	109.80	2.60		Weigh station on left, Mile Marker 234				
H 93	111.80	2.00		Bridge over RR tracks				
H 94	113.50	1.70		Pass under tall power lines				
H 95	115.90	2.40		Entering Hansen (Pop 1,144)		35		fuel
H 96	116.50	0.60				55		
H 97	118.70	2.20				45		
H 98	118.80	0.10	FOLLOW CURVE RIGHT to continue on US-30					
H 99	119.10	0.30		Entering Kimberly (Pop 3,264)		35		all
H 100	119.80	0.70			2	45	paved w/curb	
H 101	120.20	0.40	TURN LEFT at SL for US-30/Kimberly Rd towards Twin Falls		2	50	paved	
H 102	120.40	0.20		Select Source Hardware store on right		60		
H 103	122.30	1.90				45		

POCATELLO, ID – TWIN FALLS, ID**Final Approach to Twin Falls Finish Line****Twin Falls Finish Line**

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 104	122.60	0.30		SL for Chobani Ln				
H 105	123.10	0.50		SL for Hankins Rd				
H 106	123.80	0.70		Entering Twin Falls (Pop 44,125)		35	curb	all
H 107	124.10	0.30	TURN RIGHT at SL onto Eastland Dr	Use right lane heading to yield sign	1	35	curb	
H 108	124.30	0.20		Pick up second lane after 4th Ave for 3/4 mile	2	35	curb	
H 109	124.60	0.30		SL for Elizabeth Blvd				
H 110	125.10	0.50		SL for Addison Ave				fuel
H 111	125.20	0.10			1	35	curb	
H 112	125.60	0.40		SL for Filer Ave				
H 113	125.80	0.20		Pick up second lane after Stadium Blvd	2			
H 114	126.10	0.30	TURN LEFT at SL onto Falls Ave		1	35	curb	
H 115	126.60	0.50		SL for Madrona St N				
H 116	126.90	0.30		SL for Locust St	2			
H 117	127.10	0.20		SL for Blue Lakes Blvd/Business US-93				fuel
H 118	127.80	0.70		SL for College of Southern Idaho Entrance and Quincy St				
H 119	128.10	0.30	TURN RIGHT at SL onto Washington St. North		2	35	curb	
H 120	128.60	0.50	TURN RIGHT at SL onto N College Rd		1	35	curb	
H 121	129.10	0.50	TURN RIGHT at the crosswalk, and immediately cross timing line	Follow staff directions		20		
H 122	129.10	0.00	KEEP LEFT at the fork for the Herrett Center for Art and Science	Speed bump after fork				
H 123	129.10	0.00	Ceremonial Finish in front of the Herrett Center	Follow staff directions Congrats on finishing ASC 2022 on the Oregon National Historic Trail!				

