



ELECTREK AMERICAN SOLAR CHALLENGE 2024
ROUTE BOOK

See America by National Historic Trail
Nashville, TN – Casper, WY
July 20-27, 2024

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See America by National Historic Trail

The Electrek American Solar Challenge 2024 will follow 7 National Historic Trails plus one likely future National Historic Trail



Where does the route follow each trail?

Trail of Tears NHT

- Nashville, TN to Paducah, KY (Full Segment A)
- Paducah Loop

Historic Route 66

- Edwardsville Loop

Lewis and Clark NHT

- Paducah, KY to Boonville, MO
(All of Segments B & C; first ~50 miles of Segment D)
- Independence to Saint Joseph, MO
(All of Segment E)

Santa Fe NHT

- Boonville, MO to Independence, MO
(Last ~100 miles of Segment D)

Pony Express NHT & California NHT

- Saint Joseph, MO to Casper, WY
(All of Stages 3 & 4)

Oregon NHT & Mormon Pioneer NHT

- Kearney, NE to Casper, WY
(Segments F, G, J)



This Route Book contains the ASC 2024 route steps, which define the official course from Nashville, TN to Casper, WY. 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 2024 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 the step letter/number when possible when informing event 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

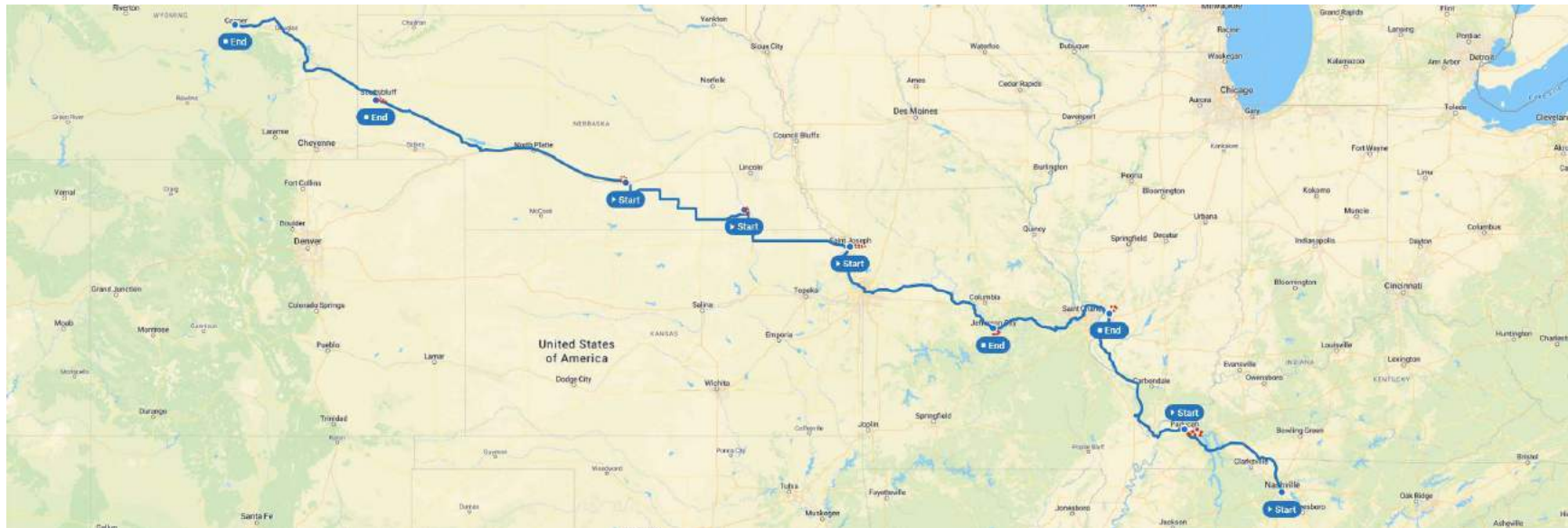
State Abbreviations

TN	Tennessee
KY	Kentucky
IL	Illinois
MO	Missouri
KS	Kansas
NE	Nebraska
WY	Wyoming

Common Highway Signs Along The Route

US Federal Highway "US-XX"	Tennessee State Highway "TN-XX"	Kentucky State Highway "KY-XX"	Illinois State Highway "IL-XX"	Missouri State Highway "MO-XX"	Kansas State Highway "KS-XX"	Nebraska State Highway "NE-XX"	Wyoming State Highway "WY-XX"

ASC 2024 ROUTE & SCHEDULE OVERVIEW



– DISPLAY DAY –

Fri, July 19

- Display in Nashville, TN

– STAGE 1 –

Sat, July 20

- Start in Nashville, TN
- Checkpoint in Paducah, KY
- Paducah Loop (optional)

Sun, July 21

- Stage Stop in Edwardsville, IL
- Edwardsville Loop (optional)

– STAGE 2 –

Mon, July 22

- Stage Start in Edwardsville, IL
- Checkpoint in Jefferson City, MO
- Jefferson City Loop (optional)

Tue, July 23

- Checkpoint in Independence, MO
- Stage Stop in St. Joseph, MO
- St. Joseph Loop (optional)

– STAGE 3 –

Wed, July 24

- Stage Start in St. Joseph, MO
- Checkpoint in Beatrice, NE
- Beatrice Loop (optional)

Thu, July 25

- Checkpoint in Kearney, NE
- Kearney Loop (optional)

Fri, July 26

- Stage Stop in Gering, NE
- Gering Loop (optional)

– STAGE 4 –

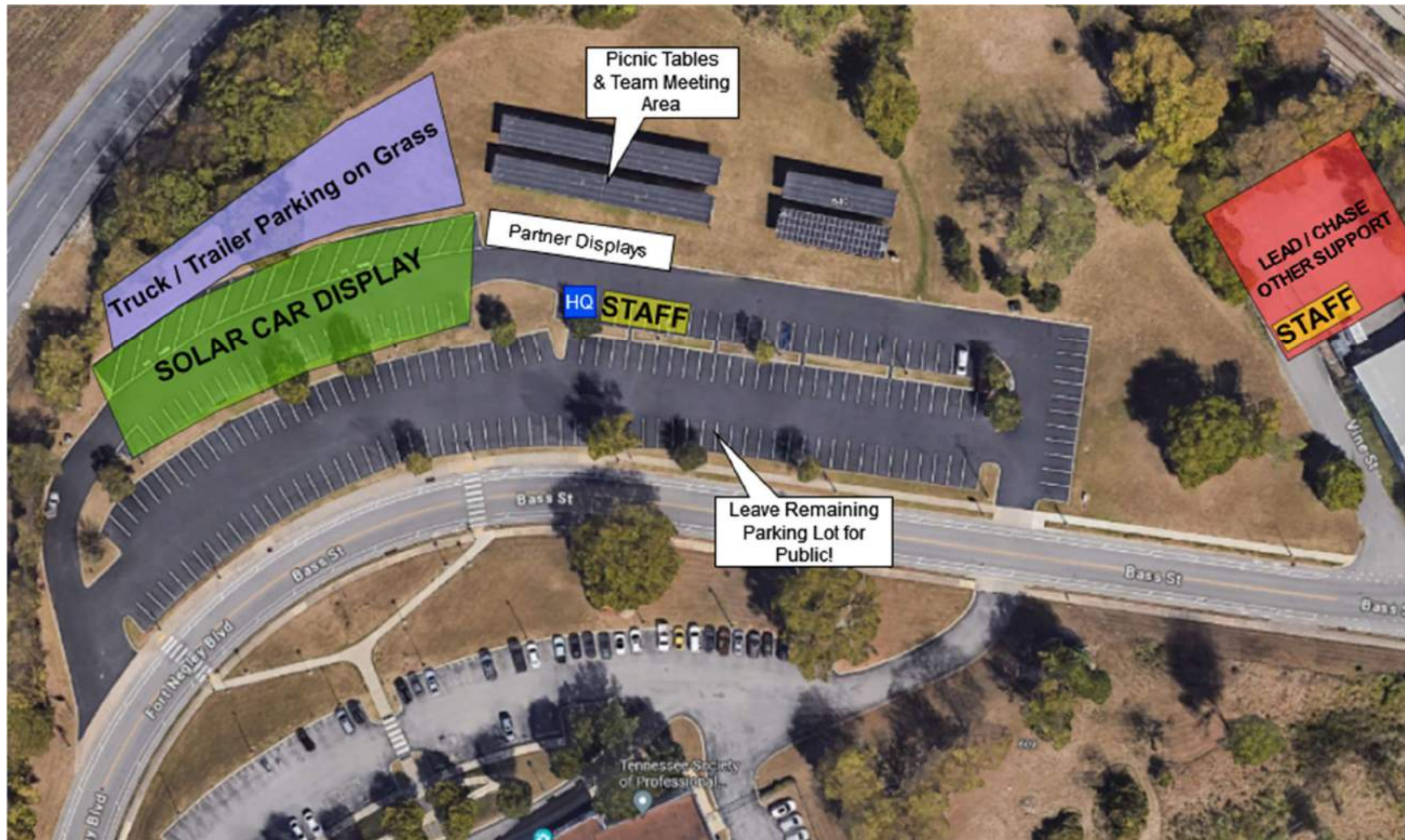
Sat, July 27

- Stage Start in Gering, NE
- Finish in Casper, WY

Stages	Base Leg	Start & End Locations	Leg Mi	Stage Mi	End Loop	Loop Mi
1	A	Nashville, TN – Paducah, KY	159.7	376.8	AL	48.8
	B	Paducah, KY – Edwardsville, IL	217.1		BL	29.2
2	C	Edwardsville, IL – Jefferson City, MO	164.2	394.8	CL	28.2
	D	Jefferson City, MO – Independence, MO	156.6			
	E	Independence, MO – St. Joseph, MO	74.0		EL	32.8
3	F	St. Joseph, MO – Beatrice, NE	138.2	590.2	FL	25.4
	G	Beatrice, NE – Kearney, NE	178.4		GL	22.0
	H	Kearney, NE – Gering, NE	273.6		HL	26.0
4	J	Gering, NE – Casper, WY	198.3	198.3		
Total Base Mileage			1560.0			

DISPLAY DAY

Solar Car Display: NW Corner of parking lot across the street from the Science Center: Bus Parking Area
Adventure Science Center, 800 Fort Negley Blvd, Nashville, TN 37203



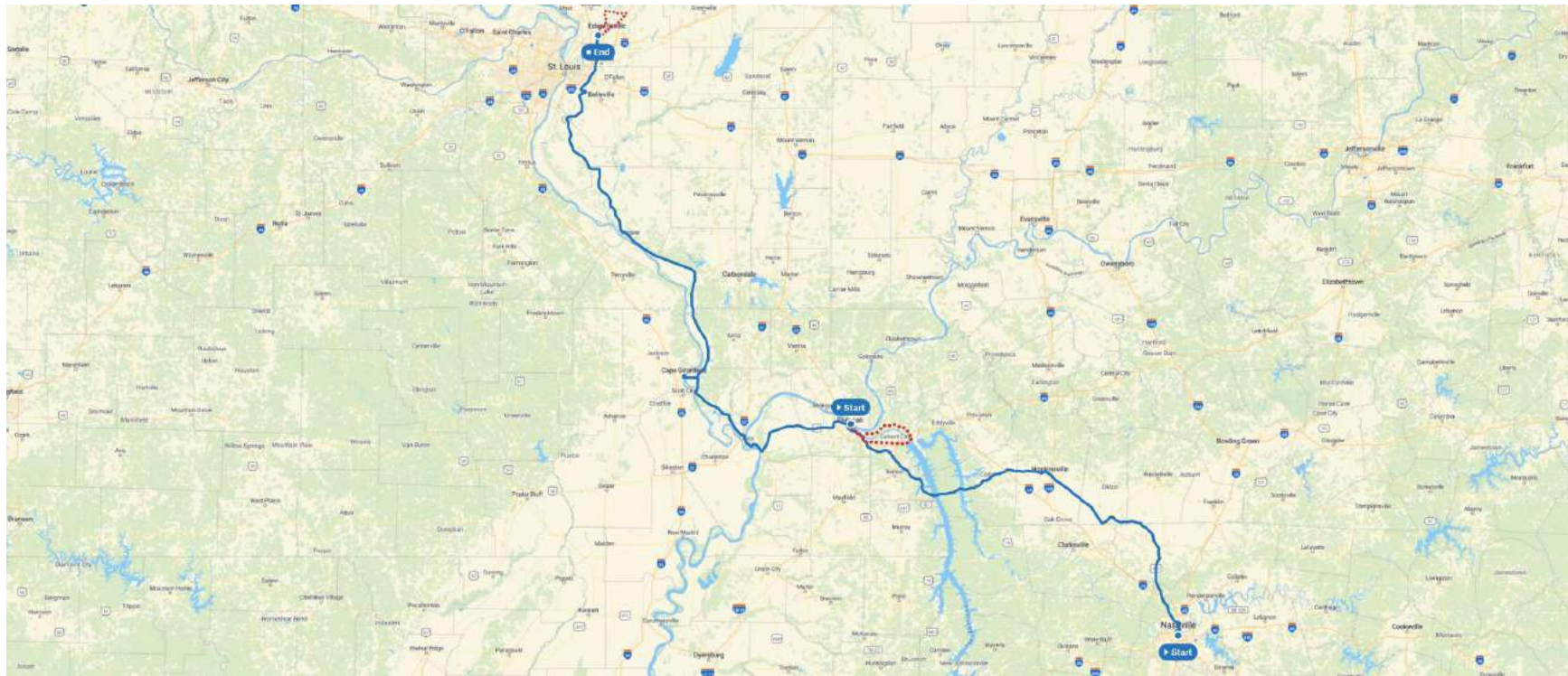
STAGE 1

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Nashville, TN – Edwardsville, IL

July 20 – 21

STAGE 1 ROUTE OVERVIEW



Segment A	Base Leg A	Nashville, TN – Paducah, KY	159.7 miles
	Optional Loop AL	Paducah Loop	48.8 miles
Segment B	Base Leg B	Paducah, KY – Edwardsville, IL	217.1 Miles
	Optional Loop BL	Edwardsville Loop	29.2 Miles

STAGE 1 TIMING OVERVIEW

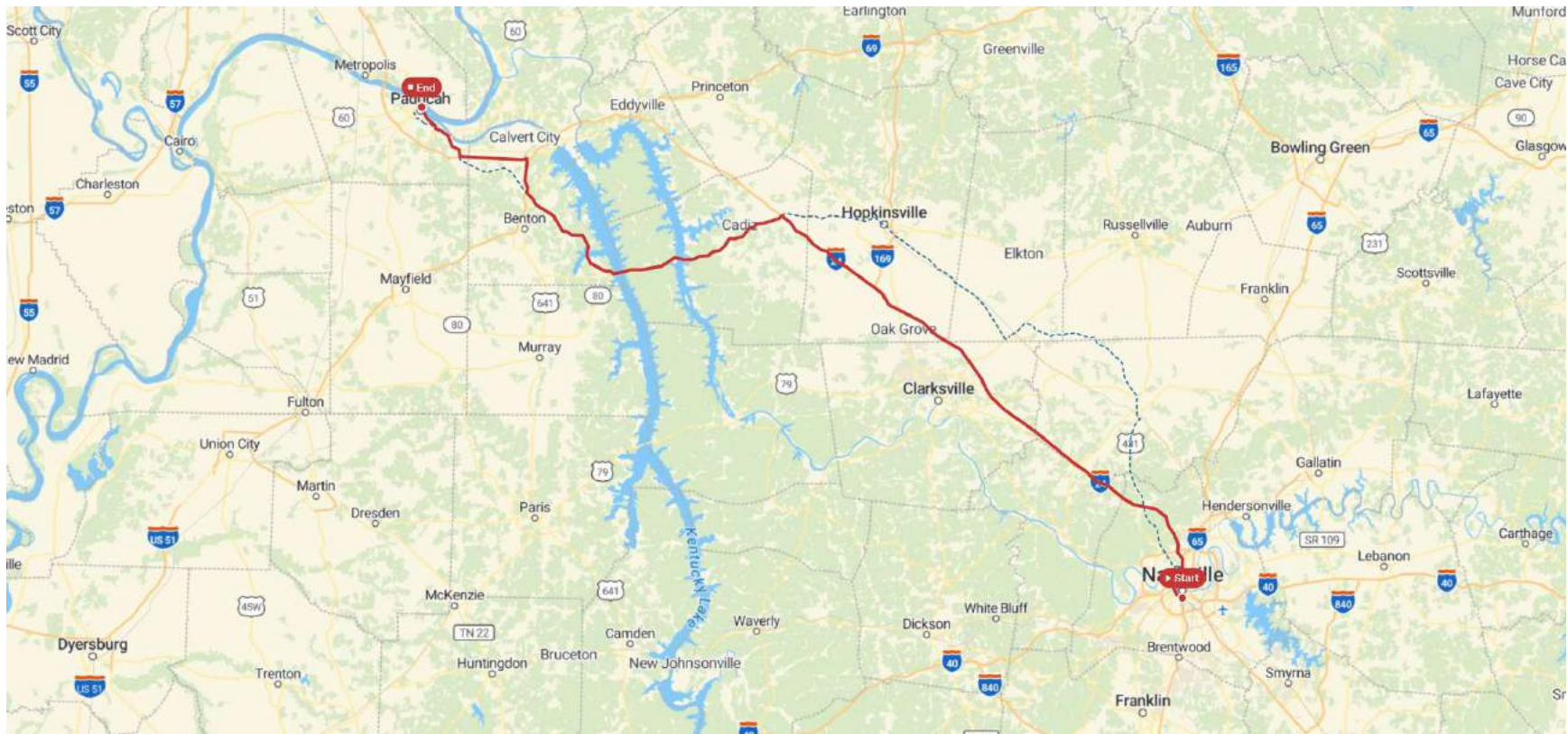
Time Zone	Central Time (24 Hour Format)		
Stage Start	Adventure Science Center 800 Fort Negley Blvd, Nashville, TN 37203	Nominal Start Time	09:00, July 20
Checkpoint	Downtown Paducah Farmer Market 306 N 2nd St, Paducah, KY 42001 Mandatory Hold Time: 45 Minutes	Open Time	12:15, July 20
		Earliest Release Time	16:00, July 20
		Driving Resumption Time	16:15, July 20
		Close Time	16:15, July 20
Optional Loop	Paducah Loop	Loop Close Time	16:30, July 20
Stage Finish	Southern Illinois University Edwardsville (SIUE), Lot E 44 Circle Dr, Edwardsville, IL 62025	Open Time	11:00, July 21
		Nominal Close Time	18:00, July 21
Optional Loop	Edwardsville Loop		

STAGE 1 SEGMENT A

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Nashville, TN – Paducah, KY

(NOT SOLAR CAR ROUTE!)



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

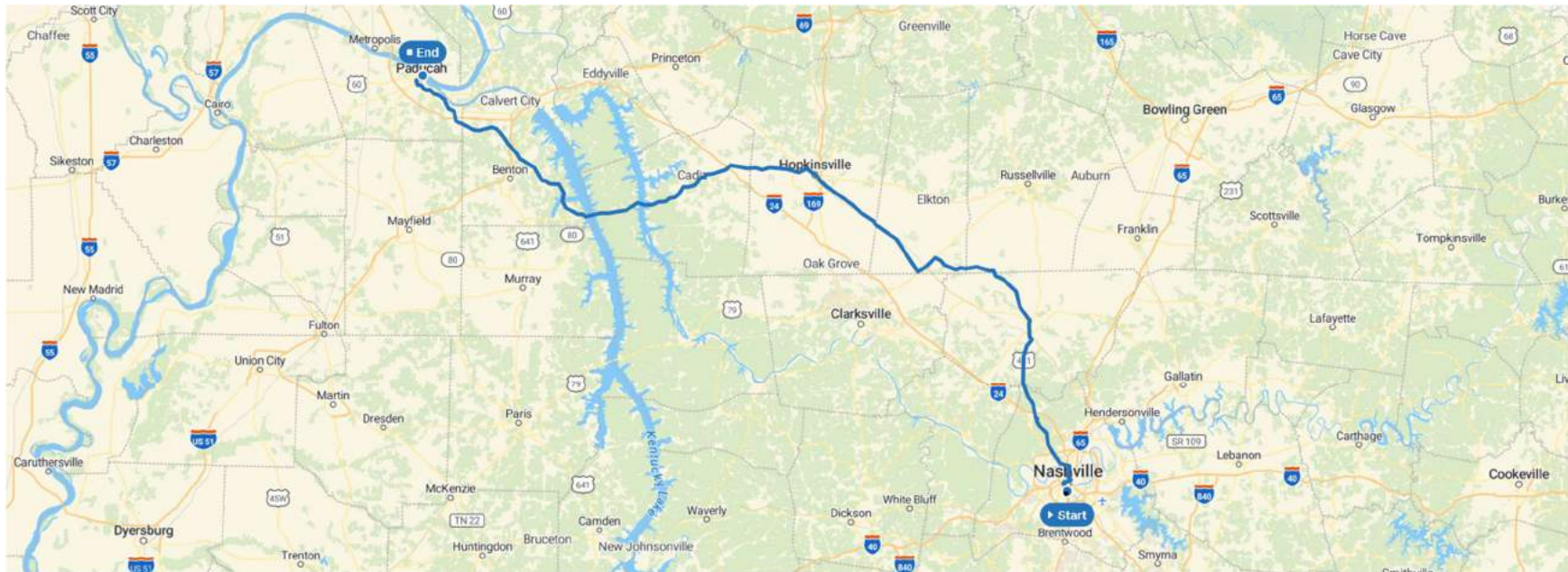
SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	TURN LEFT onto Bass St heading east exiting the support vehicle parking at the Adventure Science Center	Opposite direction from solar car caravans
250 ft	SLIGHT LEFT onto Oak St	
500 ft	TURN LEFT at the stop sign onto 6th Ave S	T-intersection
0.2 mi	TURN RIGHT at the SL onto Division St	
0.1 mi	TURN RIGHT at the SL on Lafayette St, and then almost immediately TURN RIGHT at the next SL onto 4th St, and then almost immediately again TURN RIGHT at the next SL onto the I-40 West ramp	
2.4 mi	EXIT RIGHT using the right two lanes at Exit 208 onto I-65 North with signs towards Louisville and Clarksville	
2.1 mi	EXIT LEFT using the left two lanes at Exit 86A to follow I-24 West / I-65 North towards Clarksville and Louisville	
2.1 mi	EXIT LEFT using the left lane at Exit 88 to follow I-24 West towards Clarksville	
72.5 mi	EXIT RIGHT at Exit 65 for US-68 / KY-80 toward Cadiz and Hopkinsville. TURN LEFT at the stop sign at the bottom of the exit.	Rejoining the solar car route, follow it from Step A135 to Step A176
43 mi	At step A 176, instead of going straight TURN RIGHT onto I-69 North	
3.5 mi	EXIT RIGHT at Exits 51 A-B onto I-24 West towards Paducah	
0.9 mi	EXIT RIGHT at Exit 51A onto I-24 West towards Paducah	
8.8 mi	EXIT RIGHT at Exit 16 onto US-68 towards Paducah. TURN RIGHT at the stop sign at the end of the exit.	Rejoining the solar car route at Step A191, follow it to the end
11.1 mi	Arrive at the Downtown Paducah Farmer Market parking lot	Follow staff instructions

Approx. 146 miles (2 hr, 18 min)

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

SOLAR CAR ROUTE OVERVIEW



SEGMENT A NASHVILLE, TN – PADUCAH, KY

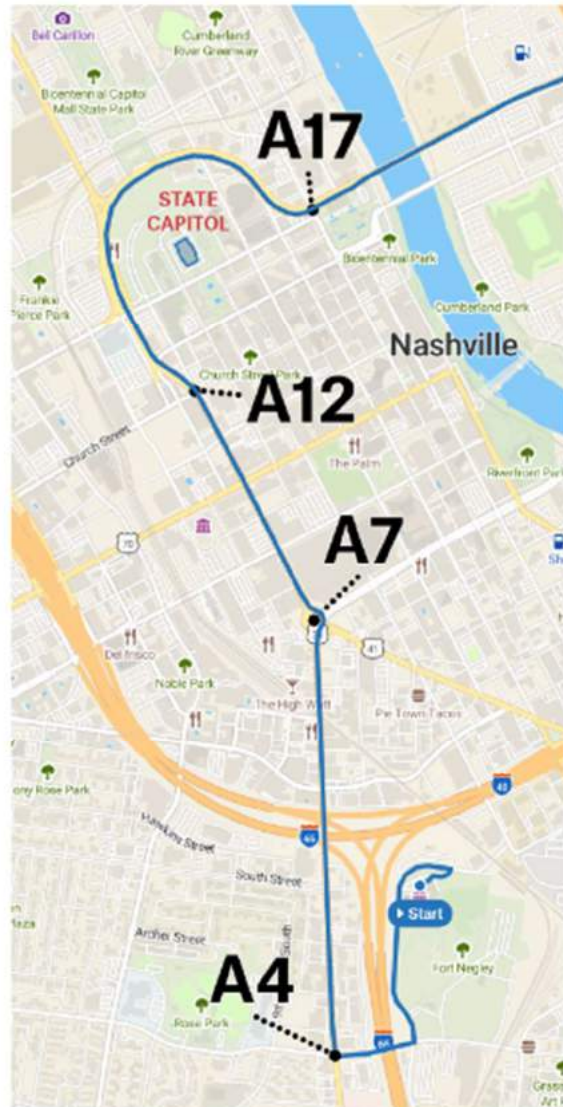
START:
Adventure Science Center
800 Fort Negley Blvd, Nashville, TN 37203

CHECKPOINT:
Downtown Paducah Farmer Market
306 N 2nd St, Paducah, KY 42001

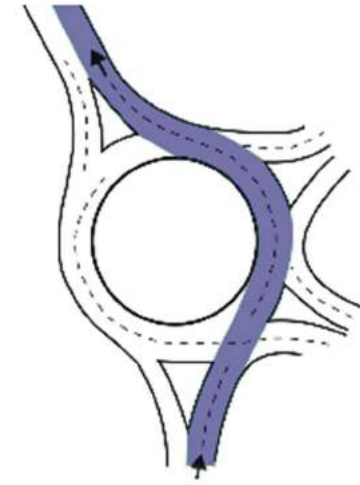


See America by National Historic Trail

A1 - A17 Overview



A7 Detail and Diagram

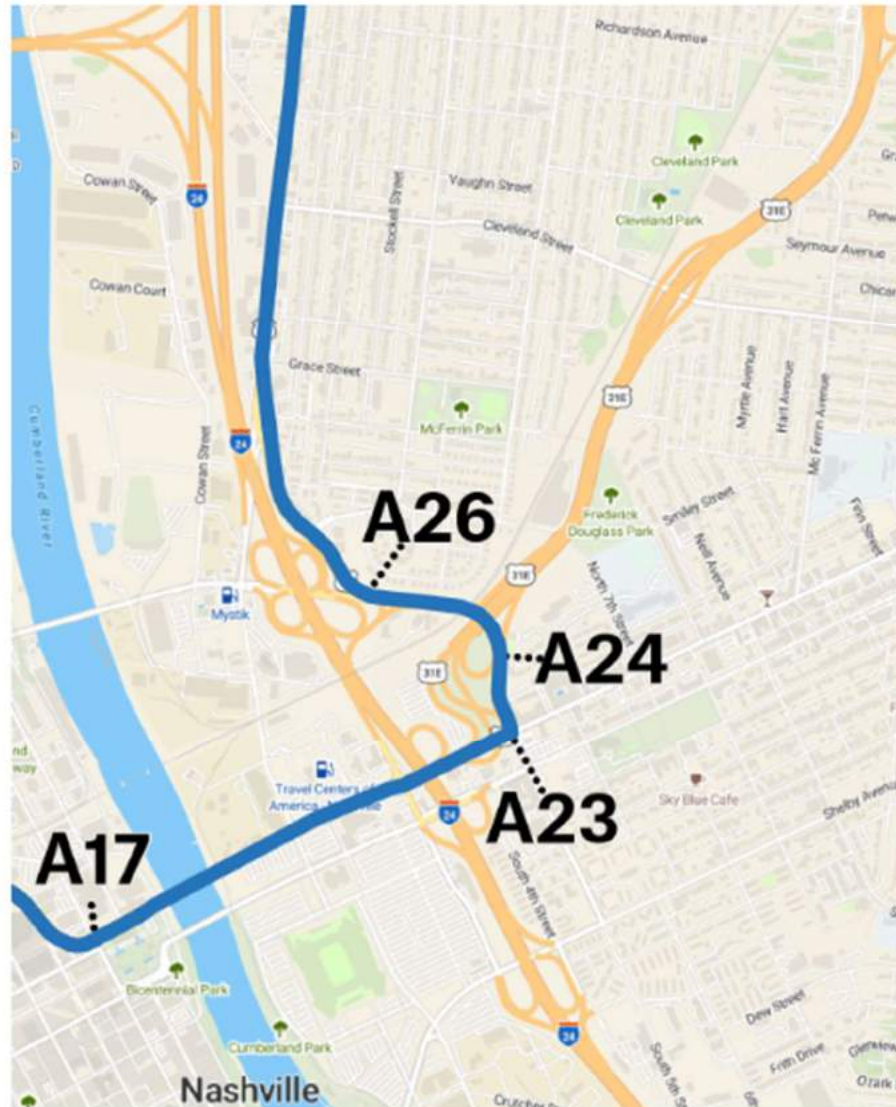


A12 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 1	0.00		Solar Cars HEAD EAST down drop off loop	Caravan zero ODO after lining up to wait for their solar car to come down the starting loop				
A 2	0.05	0.05	TURN LEFT onto Bass St	Convoy joins solar car, leaving Adventure Science Center parking lot	1	30	curb	
A 3	0.50	0.45	TURN RIGHT at Stop Sign onto Chestnut St	CAUTION: cross traffic does not stop	2	30	curb	
A 4	0.70	0.20	TURN RIGHT at SL onto 8th Ave / US-31		2	35	curb	
A 5	1.20	0.50		SL for Division St				
A 6	1.30	0.10		RR bridge (12'7" Clearance)				
A 7	1.60	0.30	TAKE 3rd EXIT at Traffic Circle to continue on 8th Ave / US-31 North/US-41 North/US-705 West	Both lanes go to 8th Ave				
A 8	1.70	0.10		SL for Demonbreun St				
A 9	1.80	0.10		SL for McGavock St				
A 10	1.90	0.10		SL for Broadway		30		
A 11	2.00	0.10	CONTINUE STRAIGHT on Rosa L Parks Blvd	SL for Commerce St				
A 12	2.10	0.10	STAY LEFT to follow US-31 / US-431 / US-41 / US-41A North as road curves left Pay attention!	SL for Church St				
A 13	2.60	0.50	CONTINUE STRAIGHT on James Robertson Pkwy	SL for Rosa L Parks Drive				
A 14	2.80	0.20		SL for Rep. John Lewis Way / 5th Ave				
A 15	2.90	0.10		SL for Gay St				
A 16	3.00	0.10	STAY LEFT to follow James Robertson Pkwy / US-31 / US-41 / US-431 North	SL for 4th Ave (4th Ave exits to right)	2	35		
A 17	3.10	0.10		SL for 3rd Ave	3			

A18 - A30 Overview

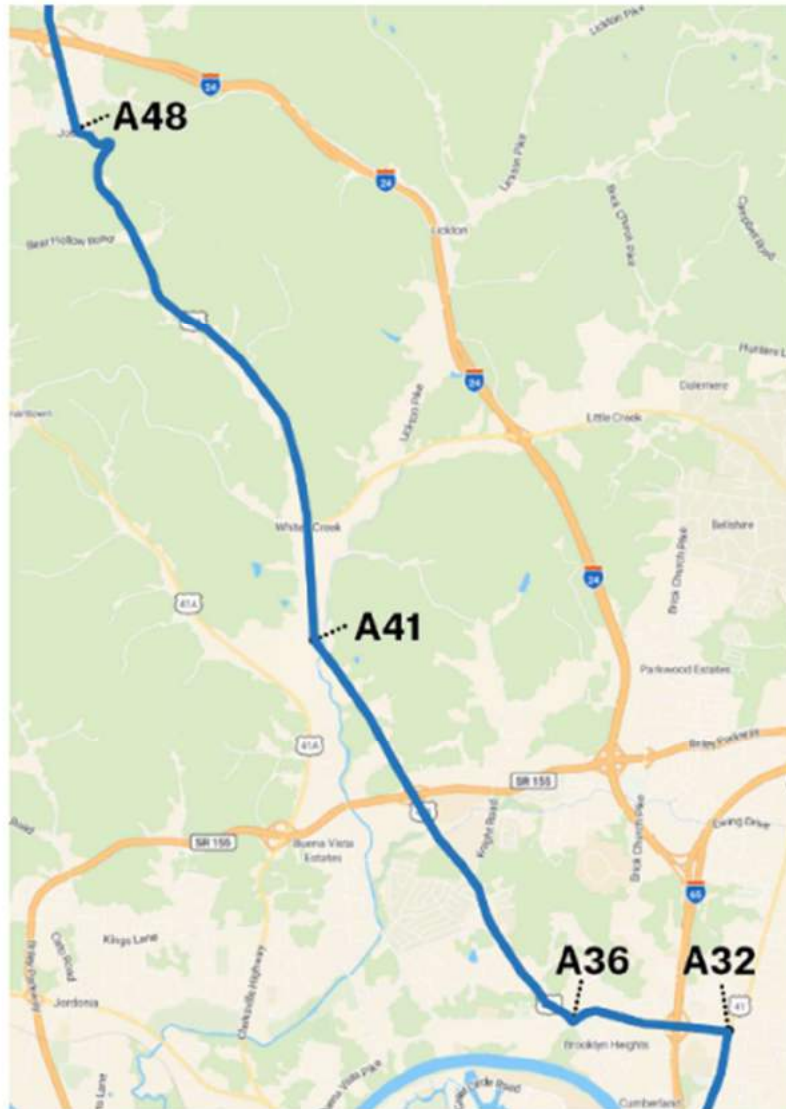


US41 / US31E Interchange Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 18	3.15	0.05		SL for 2nd Ave	3	35	curb	
A 19	3.20	0.05		SL for parking. <i>Reversible Center Lane: Left Lane May End – Watch Signs/Lights</i>				
A 20	3.30	0.10	CONTINUE STRAIGHT on US-431 / US-31 / TN-6 / TN-11	Cross Cumberland River, abutment on corner of Victory Memorial Bridge is a certified site on the Trail of Tears National Historic Trail	2-3		curb	
A 21	3.70	0.40		SL for Interstate Dr, right lane must turn right	3			
A 22	3.80	0.10		Cross under I-24, exit for US-31E North / Ellington Pkwy, right lane must turn right	2	40		
A 23	3.95	0.15	TURN LEFT at SL onto S 5th St/Spring St and IMMEDIATELY get into the left lane				curb	
A 24	4.10	0.15	STAY LEFT for Spring St (use left lane) Pay attention!	Exit for US-31E North Ellington Pkwy on right				
A 25	4.30	0.20	MERGE RIGHT as soon as possible at end of the Spring St ramp - exiting right at first opportunity ahead.		2			
A 26	4.40	0.10	EXIT RIGHT at the SL for the I-24 exit ramp - right turn lane immediately after the SL	SL for I-24 exit ramp	2	35	curb	
A 27	4.60	0.20		Meridian St				
A 28	4.80	0.20		Merge with 1st St. Yield to Traffic from Left. Buffalo Statues on Left after merge	2	40	curb	
A 29	4.95	0.15		Grace St				
A 30	5.30	0.35		SL for Cleveland St				

A31 - A51 Overview



A32-36 Detail



A41 Detail

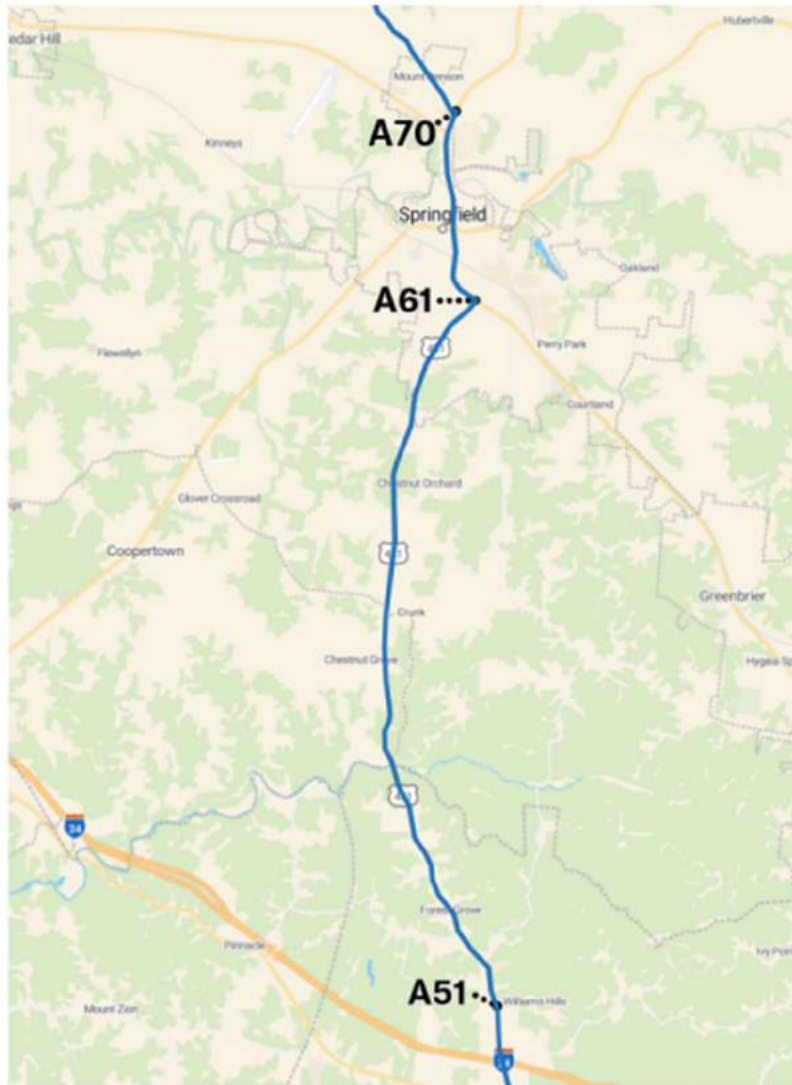


A47-48 Detail

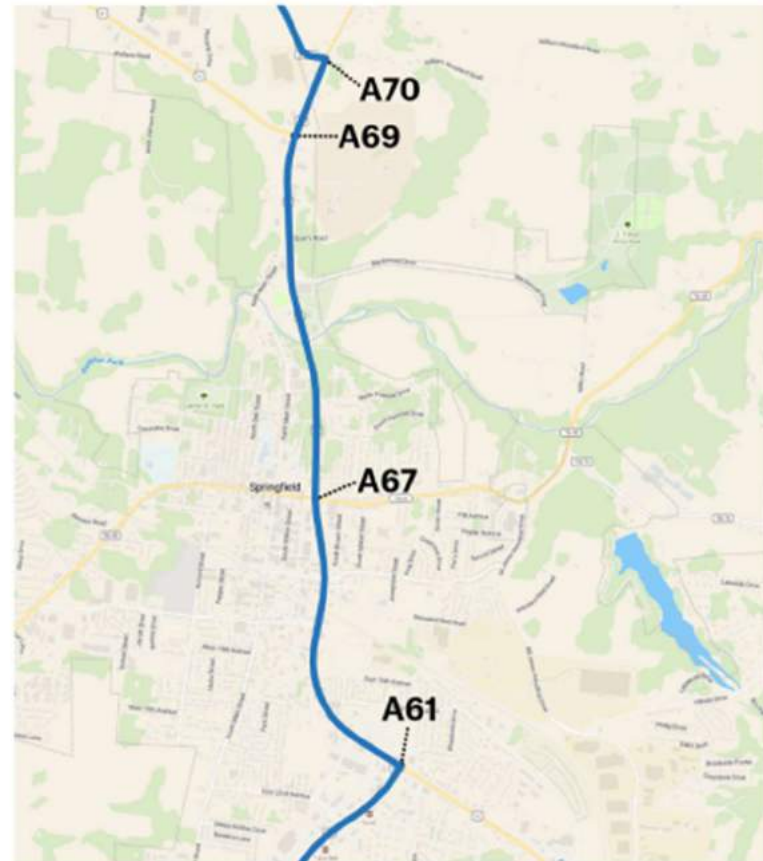


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 31	5.80	0.50		SL Douglas Ave / Ligon Ave	2	40	curb	
A 32	6.60	0.80	TURN LEFT at SL onto US-431 North / Trinity Ln	Trail of Tears Auto Tour route sign on right				
A 33	6.70	0.10		SL for Lucas Ln	2		curb	
A 34	6.90	0.20		SL exit ramp, cross under I-24 (exit 87)				
A 35	7.10	0.20		SL for Brick Church Pike				
A 36	7.90	0.80	TURN RIGHT at SL onto Whites Creek Pike to follow US-431 North	Victory Fuels on corner	1	40	narrow paved	fuel
A 37	9.00	1.10		SL Moormans Arm Rd	1	40		
A 38	9.40	0.40		SL for Knight Dr				
A 39	10.20	0.80		Jct TN-155 / Briley Pkwy, use left lane, right lane is turn lane ahead	2			
A 40	10.40	0.20		Green Ln, Shell station on corner, right lane ends	1			fuel
A 41	11.80	1.40	KEEP RIGHT at Yield to stay on Whites Creek Pike / US-431 / TN-65	Yield to traffic from left, Shell on corner				fuel
A 42	12.70	0.90		SL for Old Hickory Blvd	1	50	none	
A 43	14.60	1.90		Ring of Fire sign on right				
A 44	15.50	0.90		Swindle Rd on right				
A 45	16.00	0.50		Begin Passing Lane	2			
A 46	16.30	0.30		End Passing Lane, big up hill	1	30		
A 47	16.50	0.20		"Devils Elbow" - 180 degree curve left				
A 48	16.80	0.30	KEEP RIGHT following lanes as US-431 North curves to the right	Entering Joelton , water tower on right. DO NOT continue straight / exit left on Old Clarksville	1	30		
A 49	17.40	0.60		SL for Gifford Place / Eatons Creek Rd	2			fuel, food
A 50	17.60	0.20	MERGE LEFT, right lane ends ahead	Pass Under I-24 (exit 35)		50		
A 51	18.50	0.90		Flashing yellow light for Morgan Rd	1		none	

A52 - A71 Overview

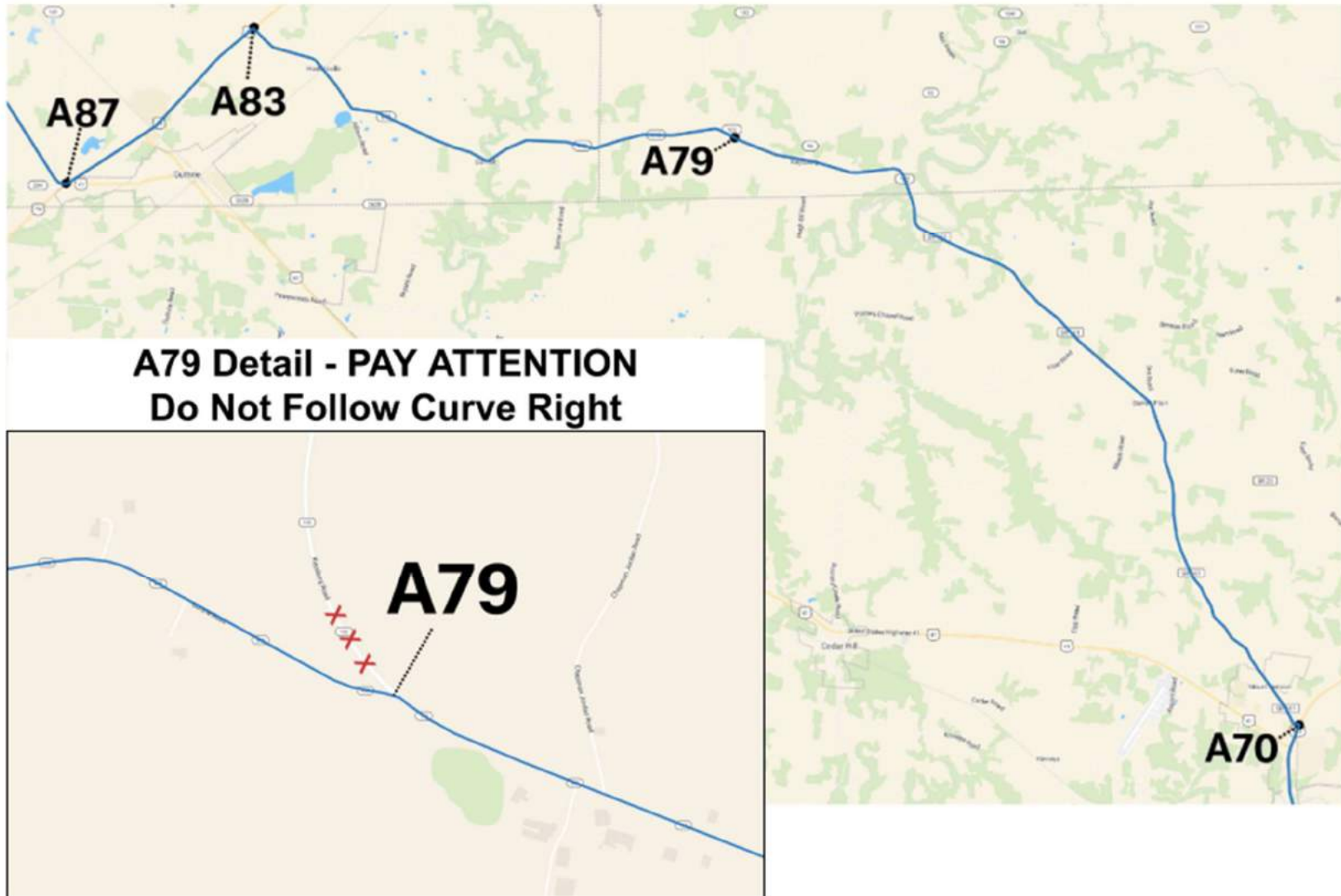


Springfield Detail



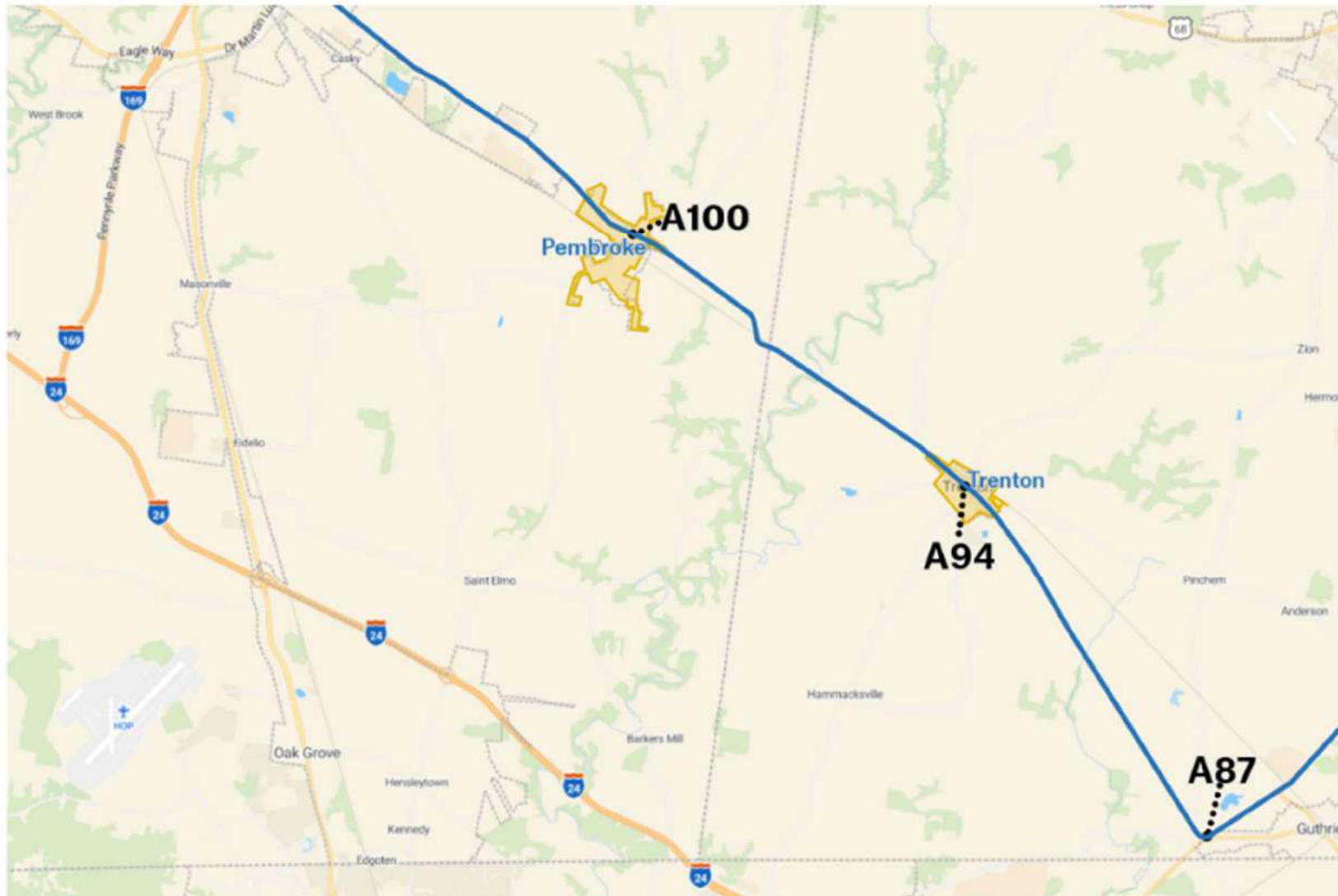
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 52	20.60	2.10		Pullout at Forest Grove United Methodist Church on right	1	50		
A 53	23.80	3.20			2	55	paved	
A 54	26.20	2.40	CONTINUE STRAIGHT on US-431 and TN-65	SL for TN-257 / Mt. Zion Road / Betts Rd, Entering Springfield , large water tower on right				all services
A 55	28.00	1.80		SL for Walling Rd / William A Batson Pkwy				
A 56	28.50	0.50				45		
A 57	29.00	0.50		SL for Northcrest		40		hospital
A 58	29.10	0.10		SL for Watson Dr	2	40		
A 59	29.40	0.30		SL for Nicklaus Dr				
A 60	29.80	0.40		SL for 22nd Ave E				fuel, food
A 61	30.20	0.40	TURN LEFT at SL for Memorial Blvd onto US-41 North / US-431 North / TN-11 / TN-65 / Memorial Blvd		2	40	curb	
A 62	30.40	0.20		SL for Morreland Dr				
A 63	30.70	0.30		SL for 16th Ave E				
A 64	30.90	0.20		SL for Central Ave, cross under RR tracks ahead	2	40	curb	fuel
A 65	31.10	0.20		SL for Industrial Drive				
A 66	31.10	0.00		SL for 10th Ave		40		food
A 67	31.50	0.40		SL for 5th Ave / Jct TN-49				fuel
A 68	32.10	0.60		Cross Sulpher Fork Creek	2	50	paved	
A 69	33.00	0.90	CONTINUE STRAIGHT at SL for US-41	Baggetts Grain on near left corner	2	50	paved	
A 70	33.40	0.40	TURN LEFT onto TN-161 North NO STOP SIGN OR SL! PAY ATTENTION!	Protected left turn lane	1	40	none	
A 71	34.20	0.80				55		

A72 - A89 Overview



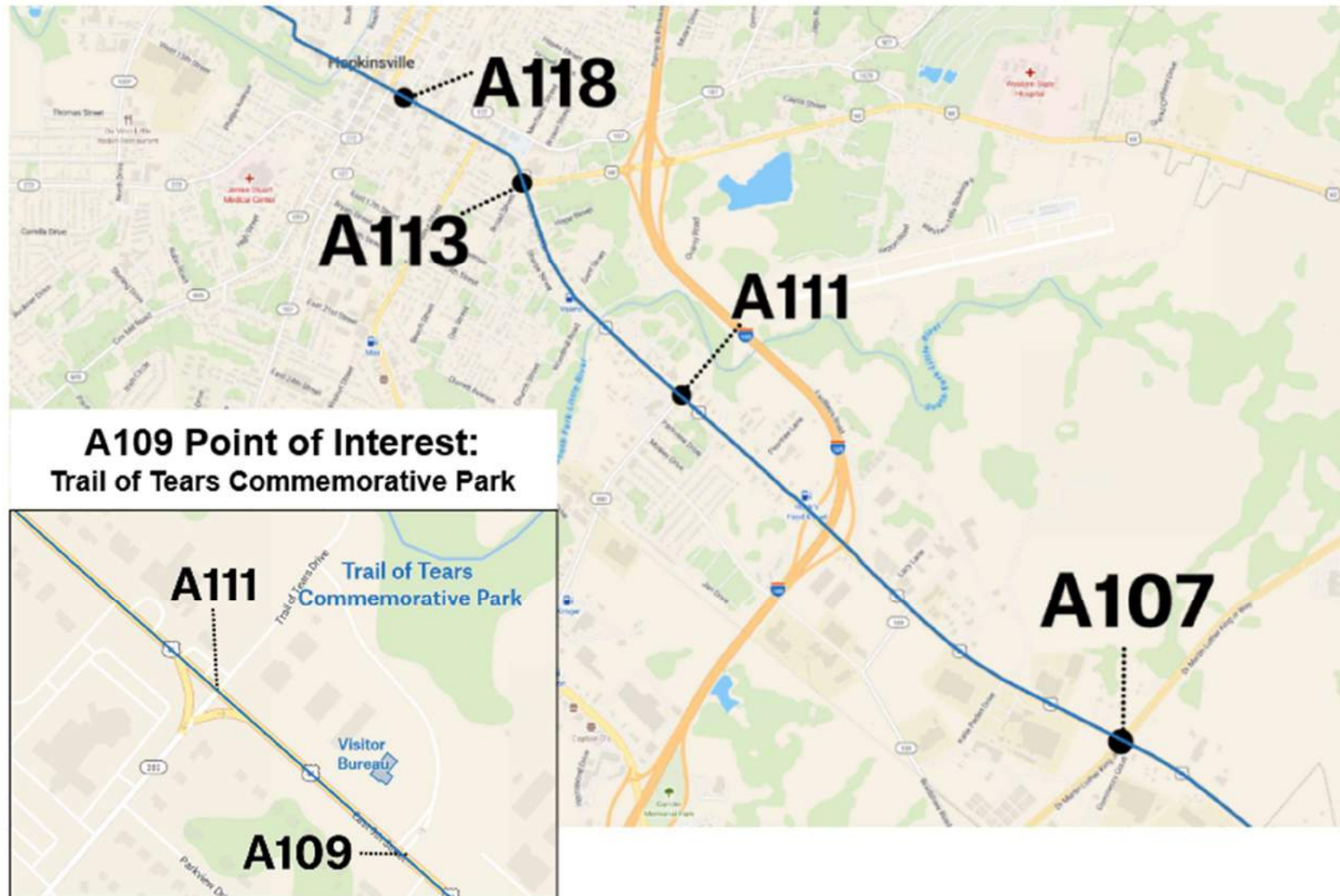
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 72	38.30	4.10			1	45	none	
A 73	38.60	0.30	FOLLOW LEFT CURVE of TN-161 North	4402 BARREN PLAINS ahead on right				
A 74	38.90	0.30		Speed limit change with Owens Steel Fabrication on left		55		
A 75	43.40	4.50	CONTINUE STRAIGHT on KY-102	Logan County line, entering Kentucky . Pavement changes.	1	55	none	
A 76	44.90	1.50		Entering Keysburg		35		
A 77	45.10	0.20		Junction 96, Duke's County Store on right				
A 78	45.40	0.30				55		
A 79	46.10	0.70	TURN LEFT onto KY-848 NO STOP SIGN OR SL! PAY ATTENTION, EASY TO MISS!	Just after the start of a right curve	1	55	none	
A 80	46.30	0.20		Left curve with a suggested 35mph sign. If you don't see this, you probably missed the previous turn...				
A 81	49.20	2.90		Mile marker 12 on left				
A 82	52.60	3.40		RR Tracks				
A 83	53.80	1.20	TURN LEFT at stop sign onto US-79 South	Cross traffic does not stop	1	55	none	
A 84	54.30	0.50		Bingo Barn on right				
A 85	55.80	1.50		TCWD water tower on right. Overpass over train tracks.				
A 86	57.00	1.20				35		
A 87	57.30	0.30	TURN RIGHT at the stop sign with flashing red onto US-41	Pink elephant statue ahead on left		35		
A 88	57.50	0.20		Jct KY-181, Guthrie Road, speed change shortly after intersection	1	55	none	
A 89	58.10	0.60		Mile marker 3 on right				

A90 - A105 Overview



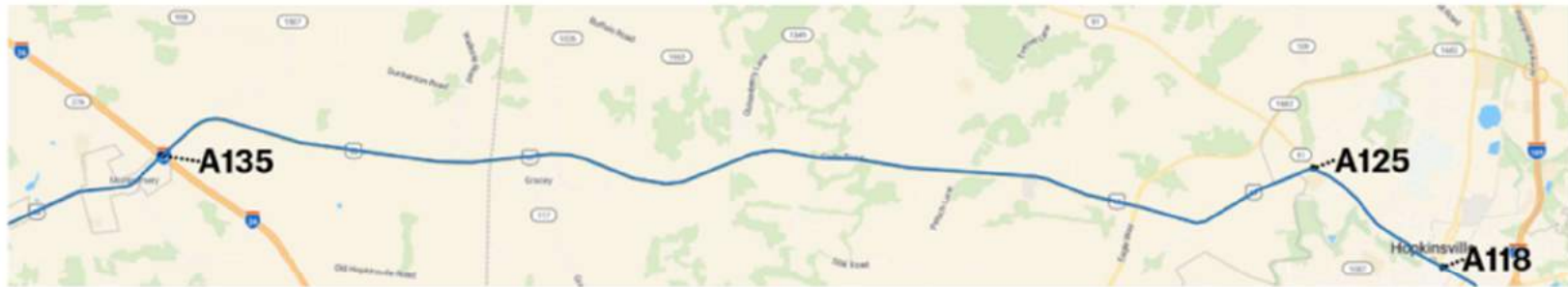
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 90	60.00	1.90		Tin barn on left				
A 91	62.90	2.90				45		
A 92	63.10	0.20		Mile marker 8 on right		35		
A 93	63.20	0.10		Jct Ware Way, Entering Trenton				
A 94	63.80	0.60		Flashing yellow light for 4th St / KY-848 / KY-104, Pitt Stop on right				fuel
A 95	64.70	0.90			1	55	none	
A 96	64.80	0.10		Jct KY-475				
A 97	67.50	2.70		Jct KY-1453, church on right				
A 98	69.50	2.00		Entering Pembroke		45		
A 99	69.90	0.40				35		
A 100	70.20	0.30		Flashing yellow light for Main St / KY-115, access to I-24	1		none	fuel
A 101	70.90	0.70				45		
A 102	71.20	0.30				55		
A 103	71.60	0.40		Trail of Tears Auto Tour sign on right	2		paved	
A 104	72.20	0.60		Giant pink elephant on right				
A 105	74.50	2.30		Tall, light blue water tower "Christian County Water District" on left, just before Edwards Mill Rd				

A106 - A118 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 106	76.20	1.70		Entering Hopkinsville	2			
A 107	76.70	0.50	CONTINUE STRAIGHT on US-41 North / Pembroke Rd	SL for US-68 Bypass, Trail of Tears Auto Tour sign immediately after intersection				
A 108	77.80	1.10		Underpass for Pennyryle Parkway (I-169 exit 8), SLs for exit ramps				fuel
A 109	78.40	0.60		Trail of Tears Commemorative Park on right. Good parking lot and bathrooms - a good spot for your media car to stop and cheer on the team ;)				
A 110	78.50	0.10		ROMAINE COMPANIES on right				
A 111	78.60	0.10		SL at Jct KY-380 / Trail of Tears Dr	2	45		
A 112	79.00	0.40		Jct Christian Quarry Rd, right lane ends, merge left	1	35		
A 113	79.50	0.50	CONTINUE STRAIGHT on US-41 / KY-109	Jct US-68 / KY-80, McLean Ave	1	25		
A 114	79.70	0.20		SL for Walnut St, Trail of Tears NHT historic route sign				
A 115	79.80	0.10		SL for Campbell St				
A 116	79.85	0.05		RR Crossing, "Whistle Stop Donuts"			curb	
A 117	79.90	0.05		SL for Clay St				
A 118	80.00	0.10		SL for Liberty St				

A119-138 Overview



Hopkinsville Detail

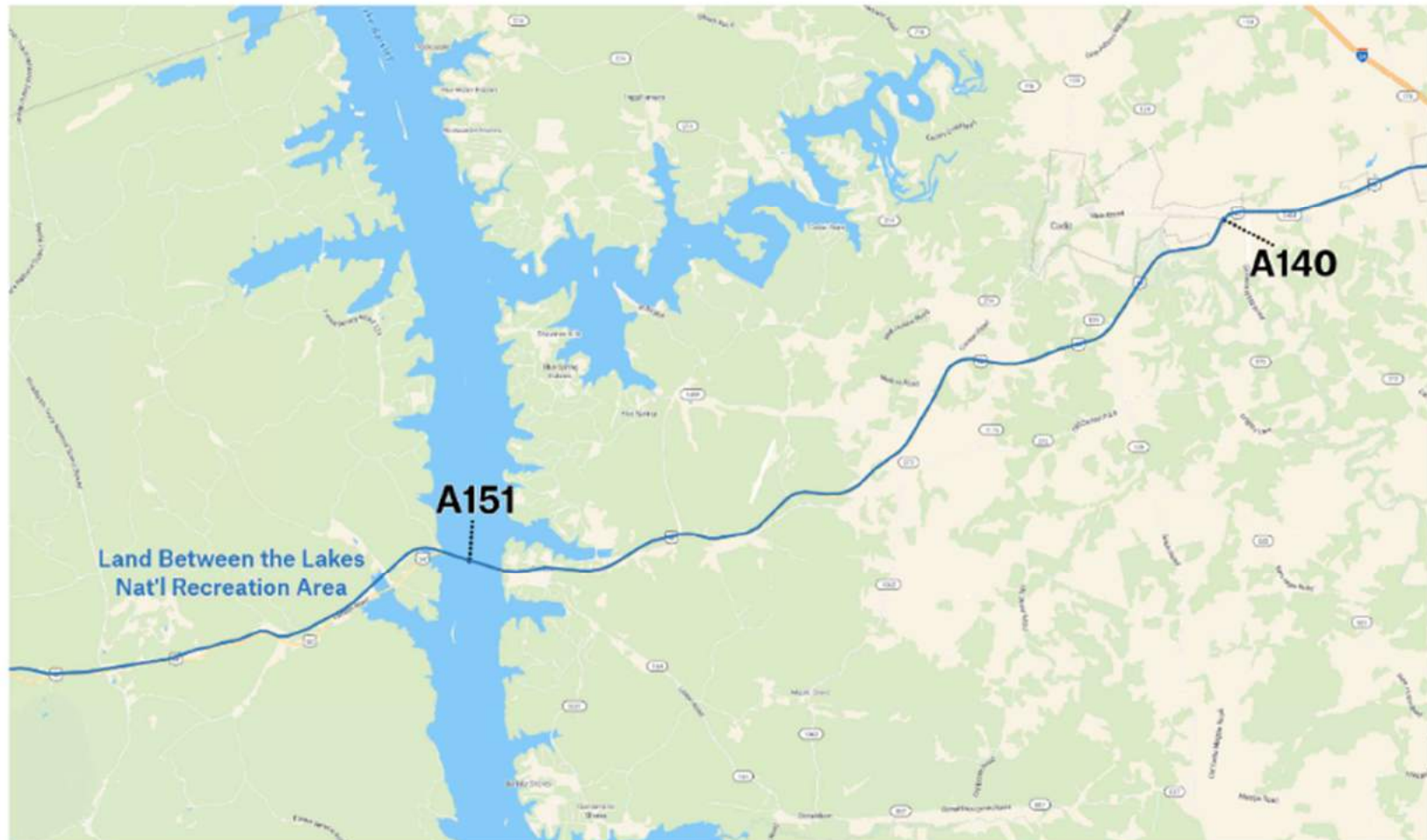


A125 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 119	80.05	0.05	CONTINUE STRAIGHT on 9th St to KY-91	SL for Virginia St, Leaving US-41				
A 120	80.10	0.05		SL for Main St				
A 121	80.15	0.05		SL for Bethel St				
A 122	80.40	0.25	TURN LEFT at SL onto 7th St, follow signs for US-68 West / KY-80 West/ KY-109 North/ To KY-91	T-intersection, follow Trail of Tears historic route	1	35	none	
A 123	80.80	0.40	CONTINUE STRAIGHT to follow US-68 / KY-109	SL for North Drive, Jct KY-1007				fuel, food
A 124	81.50	0.70		SL for Dawson Springs Road / Hill St / Jct 109				
A 125	81.70	0.20	KEEP LEFT at the fork to follow US-68 West	Painted lanes follow left fork. Do NOT follow auto tour route to the right.				
A 126	82.00	0.30		Edgewood Baptist Church on right		55		
A 127	83.80	1.80		SL for Hopkinsville Bypass/Eagle Way, Jct KY-1682, begin divided highway	2			
A 128	84.40	0.60			2	65	paved	
A 129	88.00	3.60		Jct KY-1349 North, mile marker 3				
A 130	90.20	2.20		Jct KY-1026 for Gracey , Dollar General on left				
A 131	91.00	0.80		Entering Trigg County				
A 132	91.80	0.80		Large pulloff on right for cemetery				
A 133	93.80	2.00		Speed limit change	2	55	paved	
A 134	94.00	0.20		Jct KY-958, church on right, mile marker 25				
A 135	94.60	0.60		Pass under I-24 (exit 65)				
A 136	94.90	0.30		SL for Broadbent Blvd, McDonalds on Right				all services
A 137	95.00	0.10		KY-276 / KY-1585				
A 138	95.40	0.40		Speed limit change		65		

A139-156 Overview



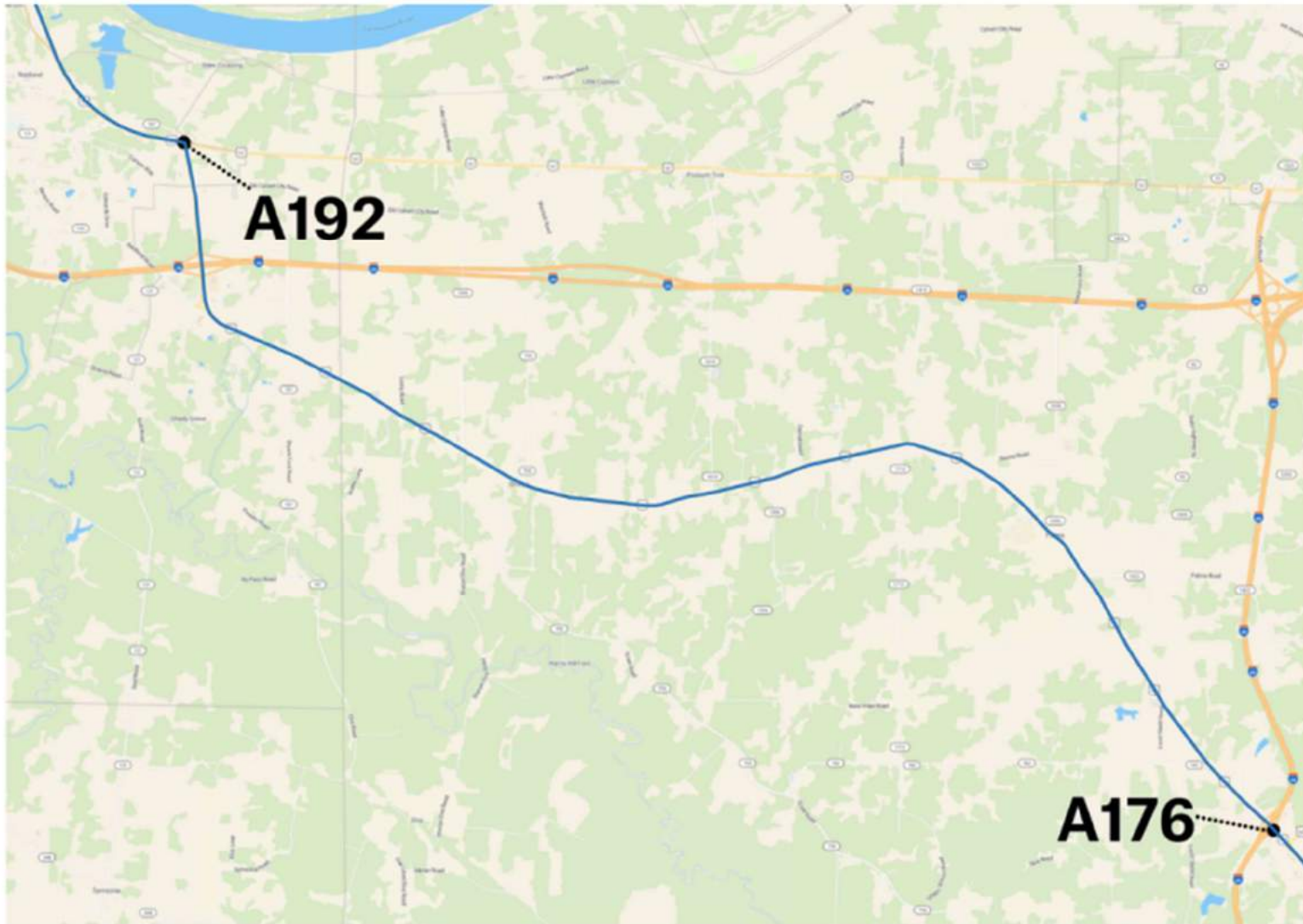
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 139	98.00	2.60		Jct 3468, mile marker 21		55		
A 140	98.30	0.30		SL for Main St, Cadiz to right				fuel
A 141	99.90	1.60		Howard Anderson Bridge				
A 142	100.60	0.70	CONTINUE to follow US-68 West / KY-80 West	South Road / KY-139 Intersection, watch for left turn traffic				
A 143	101.00	0.40				65		
A 144	102.10	1.10		Jct KY-1175, mile marker 17				
A 145	103.80	1.70		Jct KY-1489 / Blue Spring Rd				
A 146	104.30	0.50		Jct KY-272				
A 147	105.40	1.10		Trigg County Water Tower on left, "Home of the Wildcats"				
A 148	106.60	1.20		Jct KY-3568				
A 149	107.40	0.80		Jct KY-1489, Lake Barkley State Resort Park on right				
A 150	109.30	1.90		Jct KY-164, Old Canton Rd		55		food
A 151	110.00	0.70		Lake Barkley Bridge, crossing Cumberland River	2	55	none	
A 152	110.90	0.90		Entering Land Between the Lakes National Recreation Area, pullout loop on right with restrooms				
A 153	112.00	1.10		Paved pullout on right				
A 154	113.40	1.40		Gravel pullout on right				
A 155	115.60	2.20		Woodlands Trace exit for Dover, TN and Grand Rivers, KY				
A 156	118.00	2.40		Fenton Overlook				

A157-174 Overview



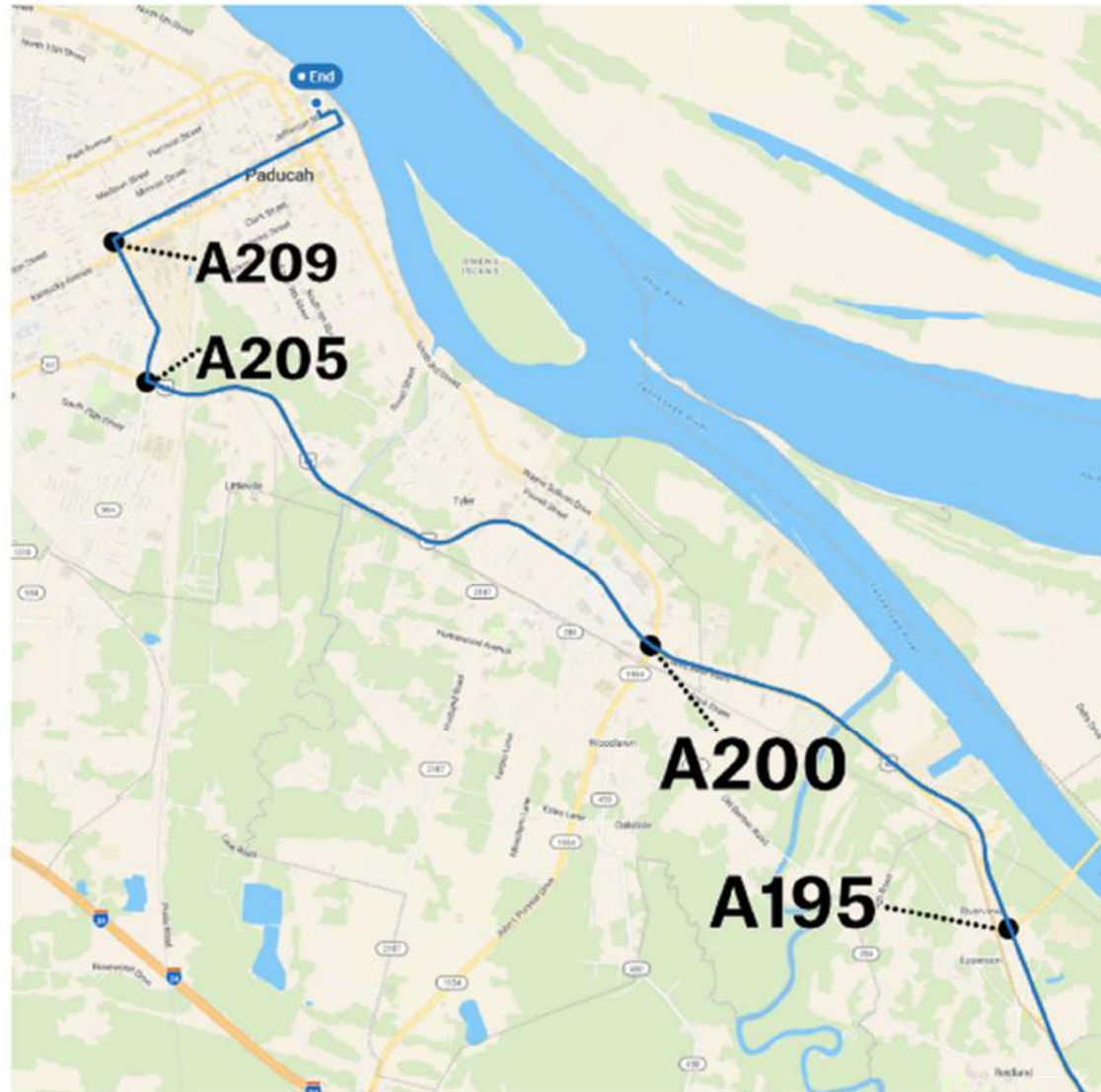
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 157	118.50	0.50		Eggner Ferry Bridge, crossing Tennessee River, Trail of Tears Water Route				
A 158	119.30	0.80		Entering Marshall County				
A 159	119.80	0.50	TURN RIGHT to stay on US-68 West toward Aurora Pay attention: no stop sign/light!	Dedicated right turn lane. Jct KY-402, Commuter parking lot on corner	1	40	paved, narrow	
A 160	120.40	0.60		Entering Aurora , "The Pond" Restaurant Sign with big Fish on left				
A 161	120.70	0.30		Hitching Post Old Country Store on left				
A 162	121.20	0.50	CONTINUE STRAIGHT on US-68 West	Marathon Gas, KY-402				
A 163	121.50	0.30		"End 40 Speed Limit" sign on right, Belew's Dairy Bar and Baits-N-More on right		55		
A 164	124.40	2.90		Pullout on right, Sportsman Lodge on left				
A 165	124.50	0.10		Crossing Jonathan Creek				
A 166	126.30	1.80		"Lakeland Wesley Village" to left, Village Rd/Marvel Blvd				
A 167	128.70	2.40		Fast Eddie's Bait & Tackle Restaurant on left, Dollar General on right				
A 168	129.10	0.40		Jct KY-962, large paved pullout on right just after intersection for Fairdealing Olive Fire Dept				
A 169	130.20	1.10		Jct KY-408				
A 170	133.00	2.80		"Dad's Place" on left, Big Bear Hwy, Jct KY-1462				
A 171	133.80	0.80		Forgotten Past Gift Shop on left				
A 172	135.20	1.40		Jct KY-58, Briensburg				
A 173	136.30	1.10		KY Lake Outdoor on building				
A 174	136.90	0.60		SL for US-641 South on left, Draffenville	2	45	paved	

A175-194 Overview

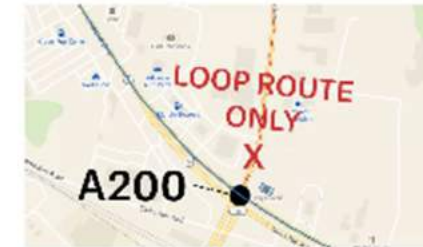


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 175	137.30	0.40		SL for US-641 North				fuel, food
A 176	137.60	0.30	MERGE LEFT when able, right lane ends after the interstate overpass	SL for I-69 NB ramps (exit 47)				
A 177	137.70	0.10		SL for I-69 SB Ramps (exit 47)		55		
A 178	139.30	1.60		Jct KY-95, Dollar General on right	1			
A 179	140.20	0.90		Jct KY-1422 / Palma Rd, Entering Palma				
A 180	140.60	0.40		Jct KY-3456			none	
A 181	141.90	1.30		Jct KY-1413				
A 182	142.10	0.20		Jct KY-1712				
A 183	143.00	0.90		Jct KY-1396				
A 184	143.70	0.70		Jct KY-1610				
A 185	144.80	1.10		Entering Sharpe				
A 186	145.40	0.60		Jct KY-795				
A 187	145.90	0.50		Jct KY-1042				
A 188	147.50	1.60		Jct KY-787				
A 189	148.10	0.60		Begin divided highway		55	paved	
A 190	148.30	0.20		Jct KY-284		55		fuel
A 191	148.60	0.30		Cross over I-24 (exit 16)				
A 192	149.70	1.10	TURN LEFT at SL onto US-62 West / Kentucky Dam Road	Must be in left lane, follow signs for Paducah / Westbound traffic. Note: teams completing the Paducah loop will be entering the route from the right.	2	55	paved	
A 193	150.20	0.50		Jct KY-787		55		
A 194	150.80	0.60		Jct KY-1887, Reidland Church on right				

A195 to Checkpoint Overview



A205-209 Detail

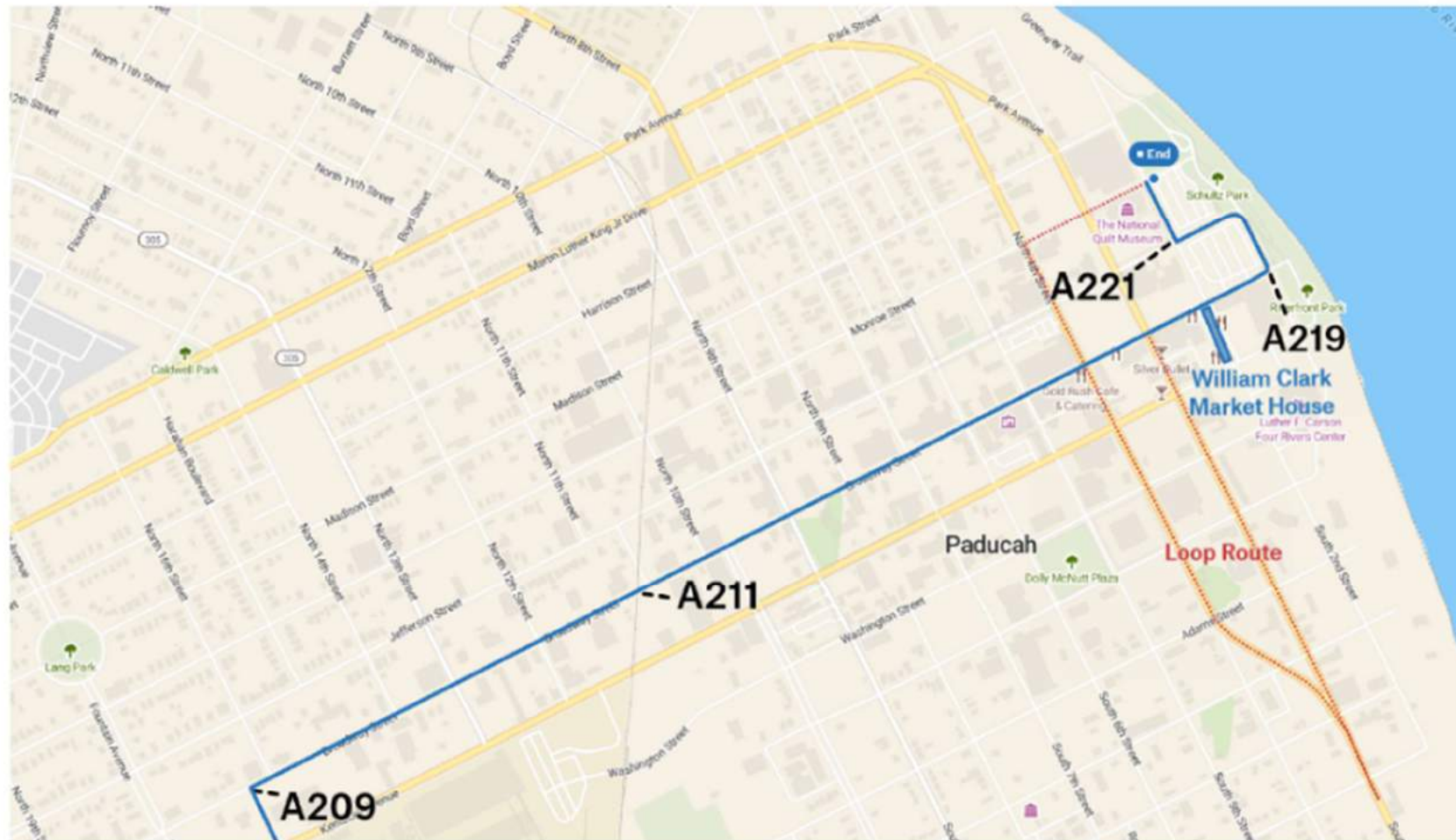


A205-209 Detail



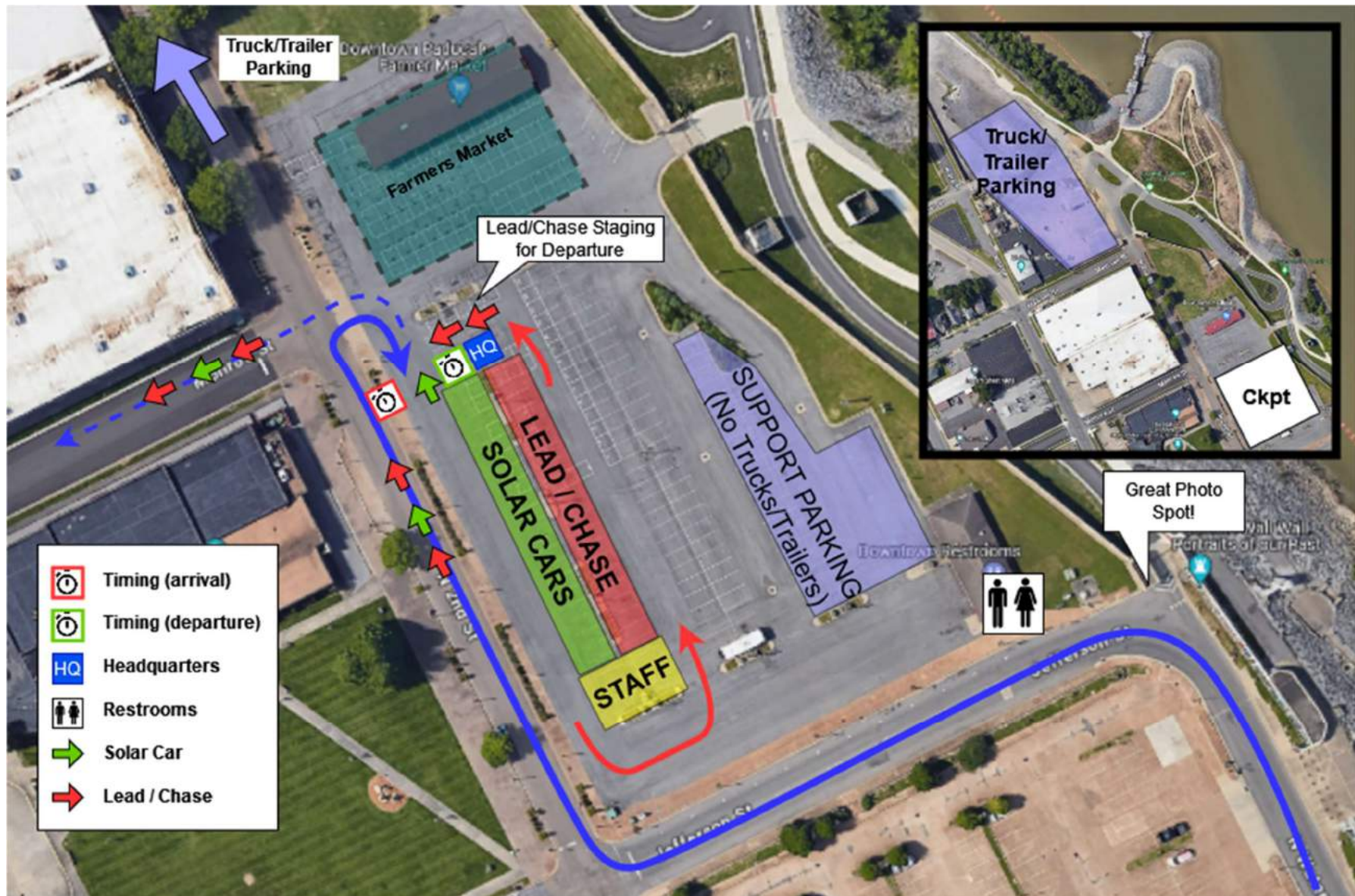
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 195	151.60	0.80	CONTINUE STRAIGHT on US-62 / US-60 West	SL for US-60 East NOTE: Teams starting the Paducah loop will be driving towards you and turning onto US-60 East. Two-way solar car traffic until Step A 200				
A 196	152.50	0.90			2	45	paved	
A 197	153.20	0.70		Cross Clarks River (no sign)				
A 198	153.40	0.20		SL with Regions bank and FiveStar gas station on left				
A 199	153.90	0.50		Welcome to Paducah				all services
A 200	154.10	0.20	CONTINUE STRAIGHT on US-62 / US-60 at SL for US-60 Business / I-24 Business / KY-1924	DQ on near right corner. NOTE: Teams on the Paducah Loop will be entering and exiting on the right here. DO NOT FOLLOW THEM!				
A 201	154.30	0.20		SL for Paducah Town Center Mall				fuel, food
A 202	154.45	0.15		SL for Paducah Town Center Mall (again)			curb	food
A 203	155.30	0.85		SL for Bridge St, Sonny's Paradise gas station on right	2		curb	fuel
A 204	156.50	1.20		SL for Brown St, Chase Motorsports on right				
A 205	157.50	1.00	TURN RIGHT at SL onto Old Mayfield Road	Use right turn lane, Jct 994 to left	1			fuel
A 206	157.70	0.20		Begin One Way. Street name change to Gobel Ave	1		curb	
A 207	157.80	0.10		End One Way. Street name change to 16th St				
A 208	158.20	0.40		SL for Kentucky Ave				
A 209	158.30	0.10	TURN RIGHT at Stop Sign onto Broadway	Cross traffic does not stop, one-way road	2	35	curb, wide right lane	
A 210	158.50	0.20		SL for 13th St				

Downtown Paducah Checkpoint Approach



See Checkpoint Diagram for Arrival Information

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 211	158.80	0.30		RR tracks (at angle), 11th St				
A 212	159.00	0.20		SL for 9th St		25		
A 213	159.10	0.10		Stop Sign for Clarence Gaines St / 7th St				
A 214	159.20	0.10		Stop Sign for 6th St				
A 215	159.30	0.10		Stop Sign for 5th St			parking In	
A 216	159.35	0.05		SL for 4th St				
A 217	159.40	0.05		SL for 3rd St				
A 218	159.45	0.05		2nd St, William Clark Market House Museum on Right				
A 219	159.50	0.05	TURN LEFT onto Water St	T-intersection, no stop sign/light, must be in left lane. Mural Wall ahead.				
A 220	159.55	0.05	CURVE LEFT onto Jefferson St					
A 221	159.60	0.05	TURN RIGHT at Stop Sign onto 2nd St					
A 222	159.70	0.10	TURN RIGHT into Downtown Paducah Farmer Market parking lot, across from Monroe St	Follow staff directions at checkpoint				



Checkpoint – Downtown Paducah Farmer Market – Paducah, KY
Extra Support Parking available on surrounding streets. Please leave remaining lot parking for public

STAGE 1

OPTIONAL LOOP

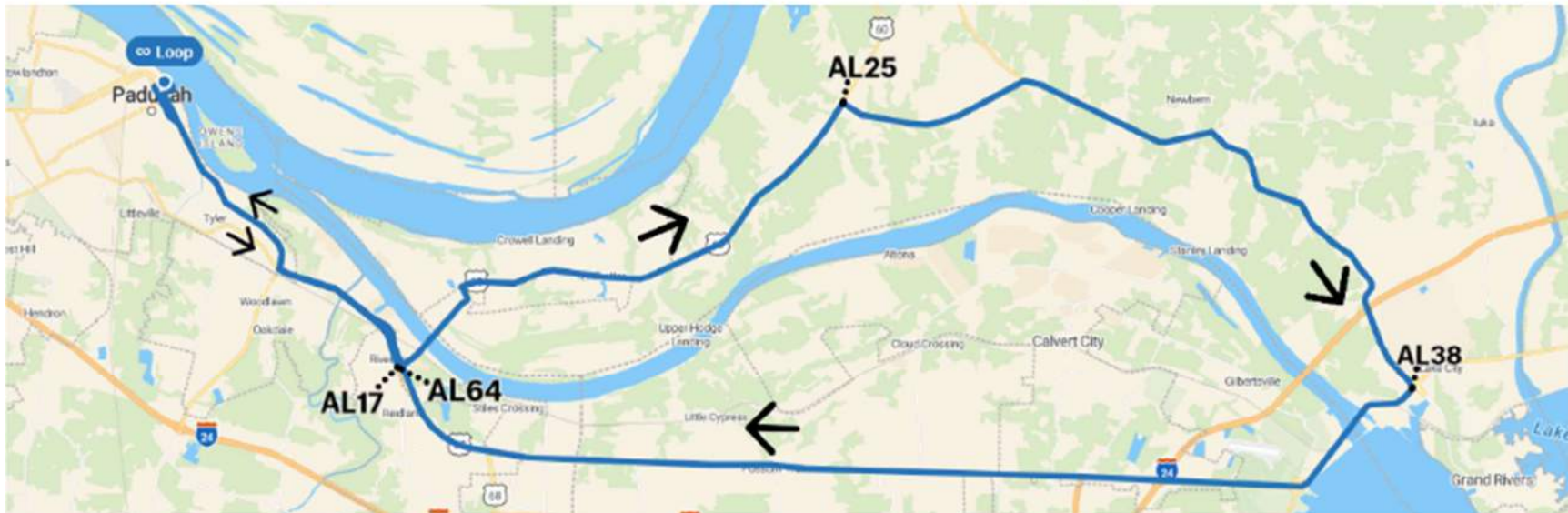
(SEGMENT A LOOP)

PADUCAH

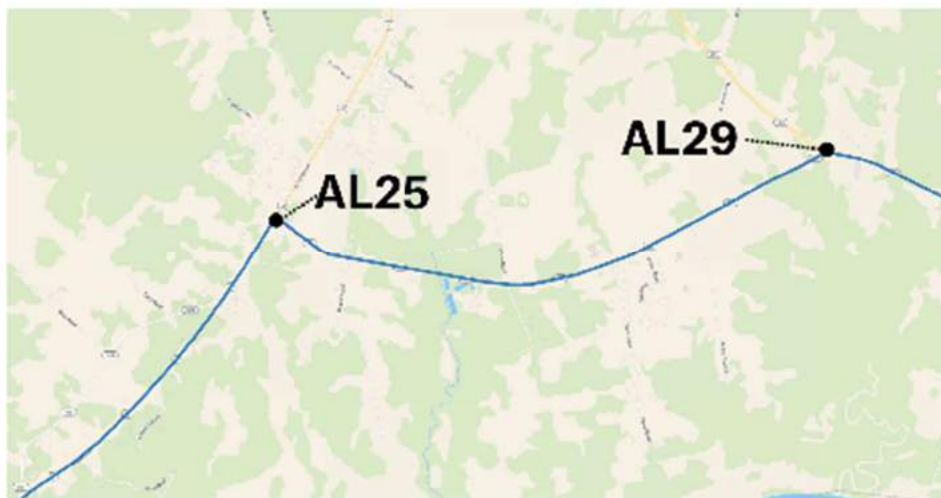
ELECTREK AMERICAN SOLAR CHALLENGE 2024

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 1	0.00		HEAD STRAIGHT onto Monroe St	Leaving checkpoint at Monroe St & 2nd St	1	25	curb	
AL 2	0.07	0.07		Stop Sign for 3rd St NOTE: Teams departing for Edwardsville will be turning right here. DO NOT FOLLOW THEM!				
AL 3	0.15	0.08	TURN LEFT at Stop Sign onto N 4th St	One-way street	2	25		
AL 4	0.20	0.05		SL for Jefferson St				
AL 5	0.30	0.10		SL for Broadway St				
AL 6	0.40	0.10		SL for Kentucky Ave / US-45 Business				
AL 7	0.50	0.10		City Hall on right		35		
AL 8	0.80	0.30	CONTINUE STRAIGHT onto 3rd St / US-60 East Business / I-25 East Business	One-way 4th street curves left and then right to turn into two-way 3rd Street	2		curb	
AL 9	0.90	0.10		Speed change at BA's Auto Service on left, just after Tennessee St		45		
AL 10	2.30	1.40		RR tracks				
AL 11	2.50	0.20		SL for Locust Dr				
AL 12	2.80	0.30		SL for Bethel				
AL 13	3.60	0.80	TURN LEFT at SL onto US-62 / Clarks River Rd	DQ on near left corner, Walgreens on near right corner	2	45	paved	
AL 14	4.40	0.80		SL for Jim R Road, Regions Bank on right corner				
AL 15	4.60	0.20		Begin divided highway				
AL 16	5.40	0.80	FOLLOW SIGNS TO THE RIGHT for US-60 East towards Smithland and Henderson			55		
AL 17	6.10	0.70	TURN LEFT at SL onto US-60 East					
AL 18	6.20	0.10		SL for US-62 West				

Paducah Optional Loop



AL25 - AL29 Detail

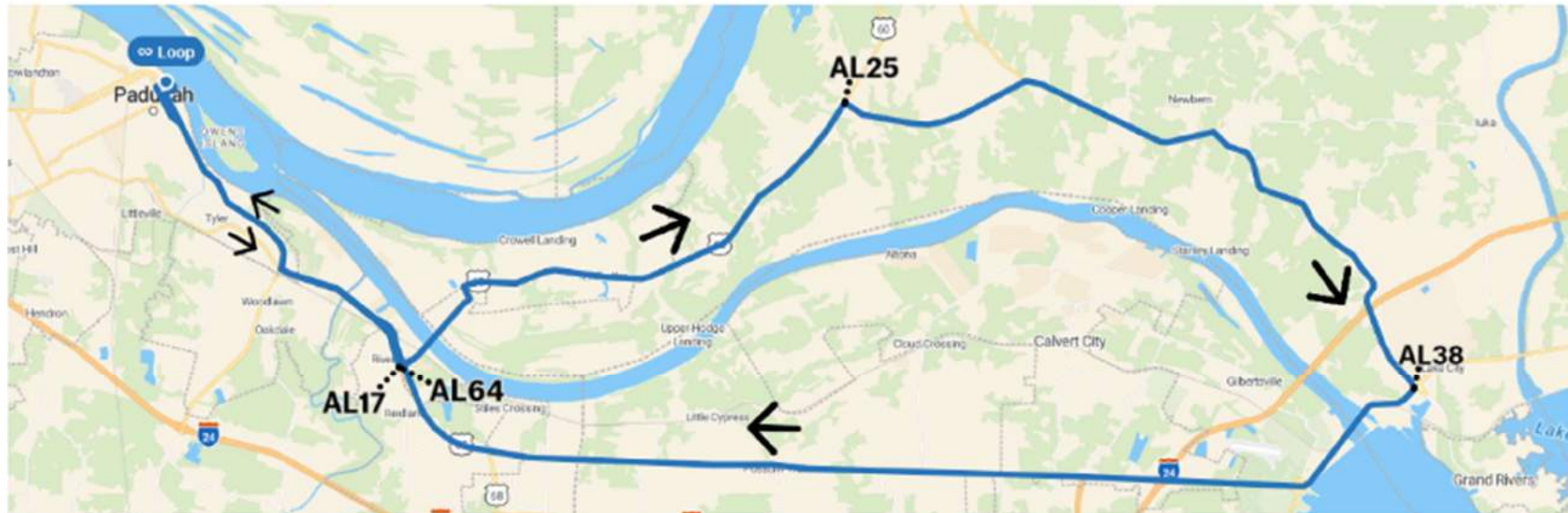


AL32 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 19	6.70	0.50		Cross Tennessee River, George Rodgers Clark Memorial Bridge		55		
AL 20	7.60	0.90	TURN LEFT at Stop Sign to follow US-60 East	Road closed area across the street (good emergency pulloff)	1			
AL 21	7.80	0.20	TURN RIGHT at Stop Sign to follow on US-60 East		1	45	none	
AL 22	8.40	0.60		Entering Ledbetter just after Livingston County Livestock on right				fuel
AL 23	11.00	2.60				55		
AL 24	12.80	1.80		Jct KY-3489, mile marker 6				
AL 25	14.70	1.90	TURN RIGHT onto Jct KY-937 / Cutoff Road PAY ATTENTION: NO STOP SIGN OR LIGHT. EASY TO MISS!	Sign for South Livingston Elementary, Potter's House	1	45	none	
AL 26	15.40	0.70		Recycle Center on right				
AL 27	16.30	0.90		South Livingston Elementary School on left				
AL 28	16.80	0.50		The Potter's House Baptist Worship Center on right				
AL 29	17.70	0.90	TURN RIGHT at Stop Sign onto KY-453 / Iuka Road	CAUTION: cross traffic does not stop				
AL 30	19.30	1.60		Jct KY-1889				
AL 31	19.80	0.50		Friendship Baptist Church on left, big paved parking lot				
AL 32	20.70	0.90	TURN RIGHT onto Dover Road to follow KY-453 PAY ATTENTION: NO STOP SIGN OR LIGHT. EASY TO MISS!	By "Old Kentucky Statuary" Abandoned Building, Jct 93	1	55	none	
AL 33	21.30	0.60		Calvary Baptist Church on left, big paved parking lot				
AL 34	23.70	2.40		Jct KY-2225				

Paducah Optional Loop



AL38 Detail

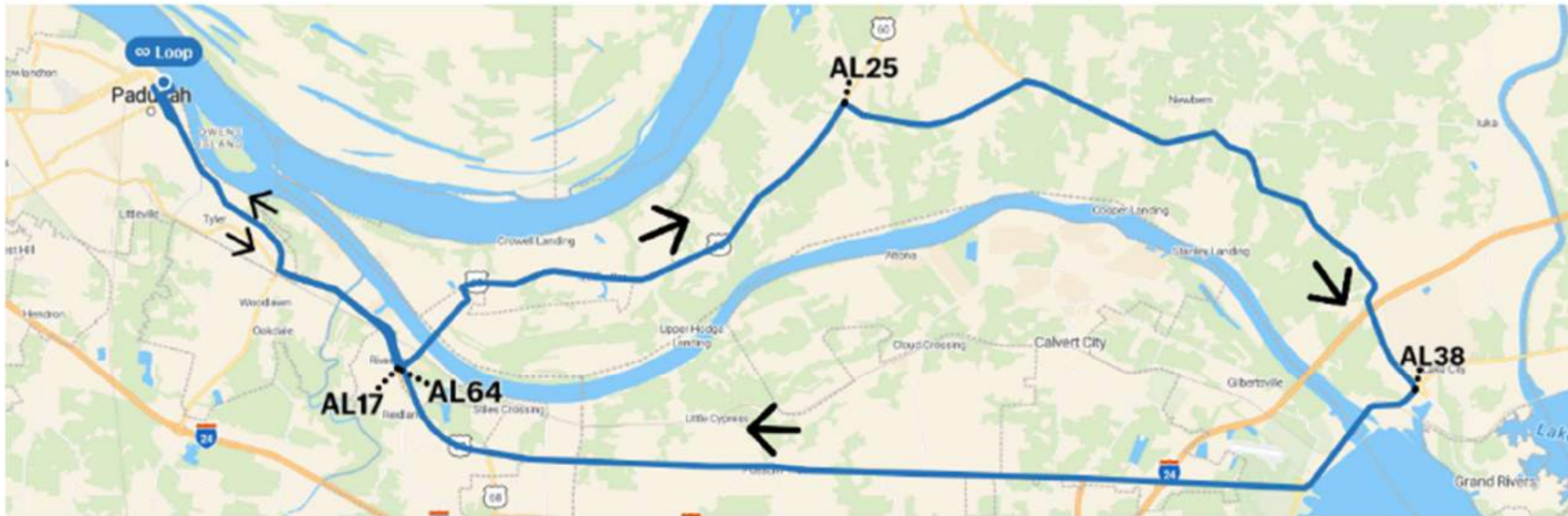


AL43 - AL46 Detail

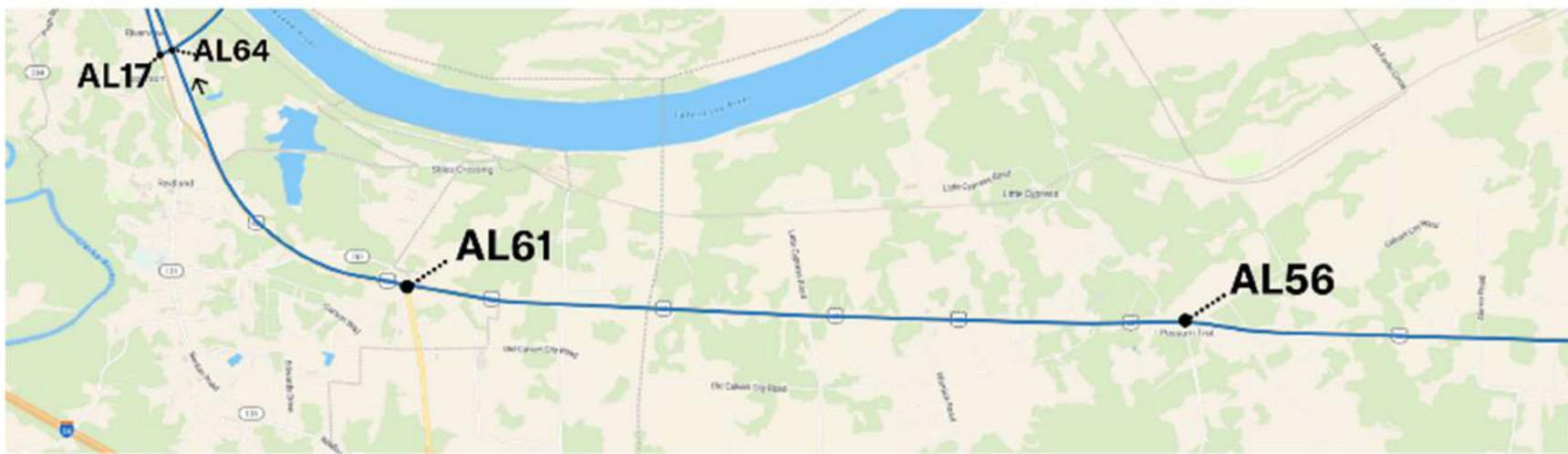


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 35	24.40	0.70		Begin divided highway	2			
AL 36	24.60	0.20		Cross under I-24 / I-69 (exit 31)	2	55	paved	fuel
AL 37	25.80	1.20	EXIT RIGHT towards US-62 & US-641	After bridge over RR tracks, follow signs for KY Dam & Barkley Dam & Lake City	1			
AL 38	26.00	0.20	TURN RIGHT at Stop Sign onto US-62 West/US-641	"TVA Kentucky Dam" sign	2	45	paved	
AL 39	26.20	0.20	MERGE LEFT, right lane becomes turn-only		1			
AL 40	27.50	1.30		Entering Marshal County				
AL 41	28.00	0.50		Cross the Tennessee River, Kentucky Dam to left		45		
AL 42	28.20	0.20		Jct KY-282				
AL 43	28.50	0.30	CONTINUE STRAIGHT on US-62 West	Interchange with US-641 South			none	
AL 44	29.50	1.00		AmeriVu Inn and Suites on right				
AL 45	30.20	0.70		SL at "Truck Plaza Ln". Love's on the right, Speedway on the left	2			fuel, food
AL 46	30.50	0.30	MERGE LEFT, right lane becomes turn-only at the next SL	Pass under I-24 (exit 27), Calvert City written on bridge	2			
AL 47	30.80	0.30		SL for Campbell Dr	1	45		fuel
AL 48	31.70	0.90		SL for Oak Park Blvd/KY-1523	2	45		food
AL 49	31.90	0.20		End divided highway	1			
AL 50	32.10	0.20		SL for KY-95 / Main St				
AL 51	32.30	0.20			1	55	none	
AL 52	32.80	0.50		Jct KY-3456				
AL 53	34.10	1.30		Jct KY-1523 / Cloud Crossing				
AL 54	34.70	0.60		Jct KY-1413 / Alamo Rd				
AL 55	36.30	1.60		Jct KY-1610 / Calvert City Rd				
AL 56	36.50	0.20		Possom Trot Quickmart on right				fuel

Paducah Optional Loop

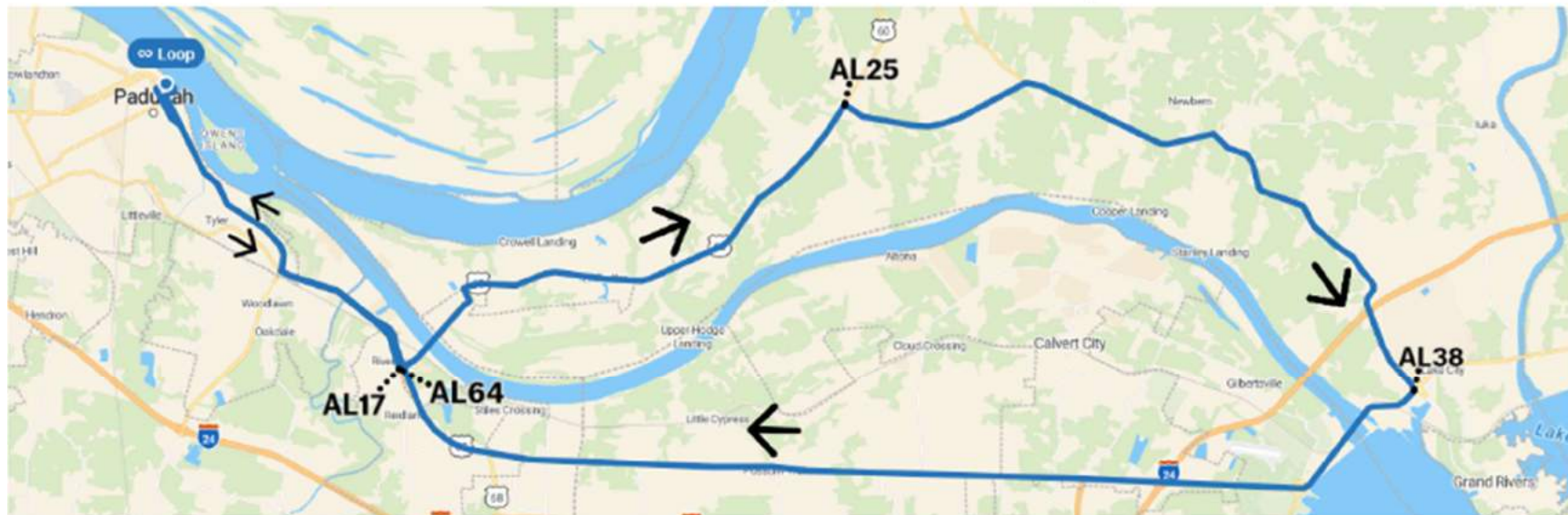


AL56 - AL65 Detail

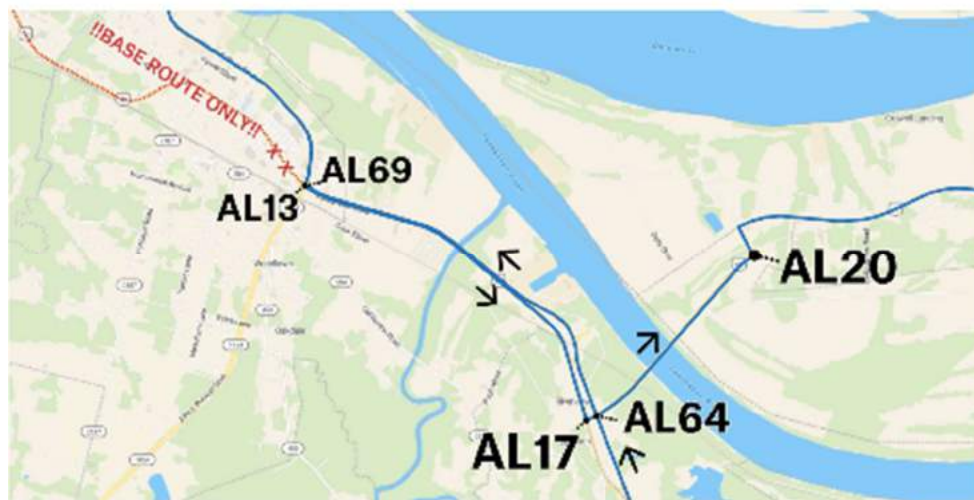


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 56	36.50	0.20		Possom Trot Quickmart on right		55		fuel
AL 57	38.40	1.90		Jct KY-1042 / Little Cypress Rd / Sharpe School Rd				
AL 58	39.30	0.90		McCracken County				
AL 59	39.80	0.50		Jct KY-1201				
AL 60	40.40	0.60		Begin divided highway, Jct KY-787	2			
AL 61	40.70	0.30		SL for US-68 NOTE: Solar car teams arriving from Nashville will be entering the route from the left at this step	2		paved	
AL 62	41.20	0.50		Jct KY-787 (again)				
AL 63	41.80	0.60		Jct KY-1887				
AL 64	42.60	0.80	CONTINUE STRAIGHT on US-62 / US-60 West	SL for US-60 East NOTE: Base route overlaps with the Paducah Loop, teams on the loop will be driving towards you and turning onto US-60 East. Two-way solar car traffic until Step AL 72				
AL 65	43.50	0.90			2	45	paved	

Paducah Optional Loop



AL64 - AL69 Detail



Paducah Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
AL 66	44.20	0.70		Cross Clarks River (no sign)				
AL 67	44.40	0.20		SL with Regions bank and FiveStar gas station on left				fuel
AL 68	44.90	0.50		Welcome to Paducah				
AL 69	45.10	0.20	TURN RIGHT at SL onto Wayne Sullivan Drive / US-60 Business / I-24 Business	DQ on near right corner. NOTE: Teams arriving from Nashville will go straight here. DO NOT FOLLOW THEM!	2	45	none, curb	food
AL 70	46.30	1.20		SL for Locust Dr				
AL 71	46.50	0.20		RR tracks				
AL 72	47.90	1.40		Speed change just after Tennessee St		35		
AL 73	48.00	0.10	CONTINUE STRAIGHT onto 3rd St	Begin one-way at Ohio St				
AL 74	48.20	0.20		Speed change just after Clark St		25		
AL 75	48.40	0.20		SL for Kentucky Ave				
AL 76	48.50	0.10	TURN RIGHT at SL onto Broadway	No obvious street name signage. Train and flowers mural and Citizens Gym on near right corner.				
AL 77	48.55	0.05		2nd St				
AL 78	48.60	0.05	TURN LEFT onto Water St	T-intersection, no stop sign/light, must be in left lane. Mural Wall ahead.				
AL 79	48.65	0.05	CURVE LEFT onto Jefferson St					
AL 80	48.70	0.05	TURN RIGHT onto 2nd St at stop sign					
AL 81	48.80	0.10	TURN RIGHT into Downtown Paducah Farmer Market parking lot, across from Monroe St	Follow staff directions at checkpoint				

STAGE 1

SEGMENT B

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Paducah, KY – Edwardsville, IL

(NOT SOLAR CAR ROUTE!)



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

SUPPORT VEHICLE ROUTE

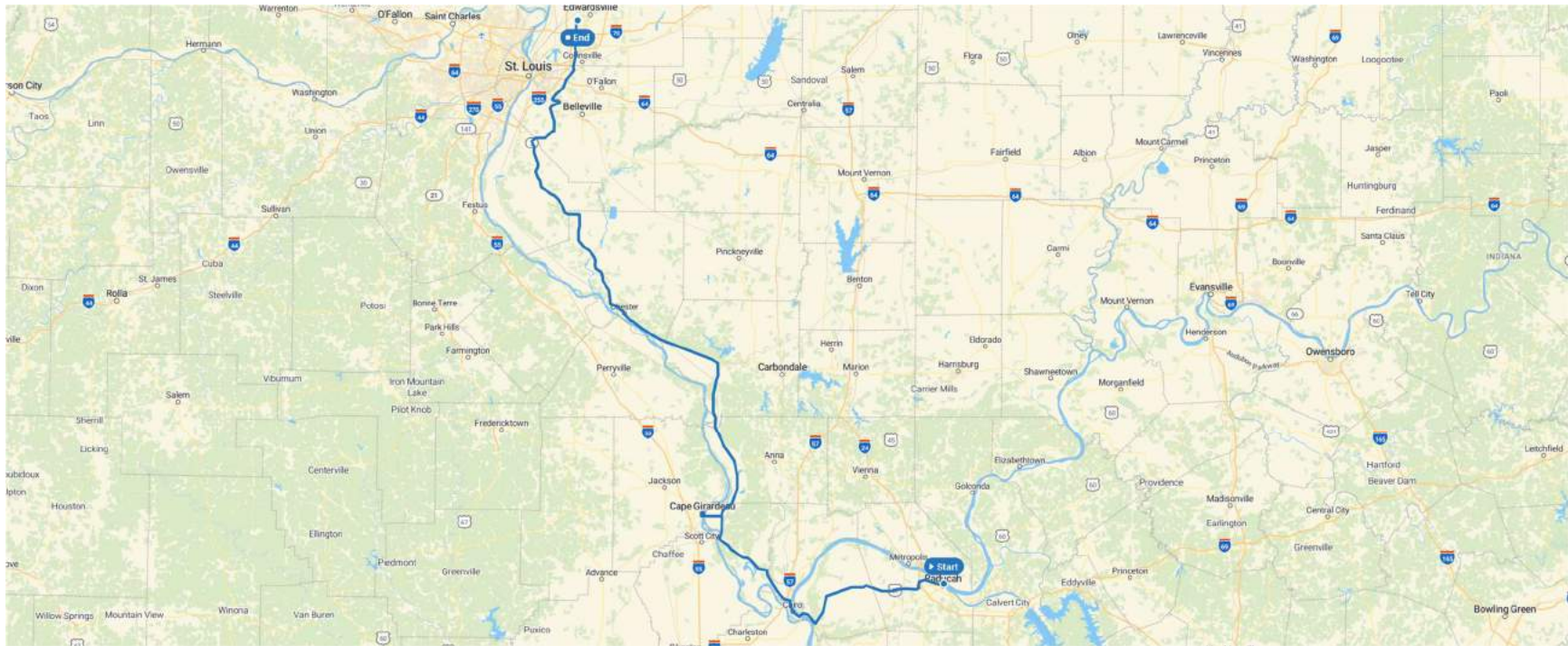
(NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	TURN LEFT out of the checkpoint exit onto N 2nd St	
500 ft	TURN RIGHT onto Jefferson St	
2.2 mi	TURN LEFT at the SL onto Joe Clifton Dr	
0.5 mi	TURN RIGHT onto Jackson St. Continue to follow US-62 West	
26.8 mi	TURN RIGHT onto Court St	
0.4 mi	TURN RIGHT at the 4-way stop onto 4th St / US-51 North	
0.3 mi	TURN LEFT at the Stop Sign on Green St with signs for US-60. Follow the solar car route next ~40 miles	Joining the solar car route at B57.
35 mi	Solar car step B89: You have a choice here. <ul style="list-style-type: none"> If you wish to remain near your solar car team, GO STRAIGHT HERE – skip straight to step B114 (skipping the loop around Cape Girardeau) and follow the solar car route to the end. If you want to boogie to Edwardsville, TURN LEFT at B89 following the solar cars and follow the remainder of the support route below. But note: once on I-55, you will be on the wrong side of the Mississippi River from your solar car team, with only access to the other side of the river via the MO-51 crossing the Mississippi at Chester (near B149). 	
4.4 mi	At step B94, instead GO STRAIGHT at SL for Sprigg St / MO-177	Departing solar car route
2 mi	TURN RIGHT onto the onramp for I-55 North with signs to St. Louis	
101 mi	EXIT RIGHT at Exit 196 using the right 2 lanes to merge onto I-255 E toward Chicago	
33.8 mi	EXIT RIGHT at Exit 3 for New Poag Rd. TURN RIGHT at the end of the offramp	
2.1 mi	TURN RIGHT at the SL onto NW University Dr	
0.6 mi	TURN RIGHT onto Circle Dr	
0.2 mi	TURN LEFT into the entrance to Lot E	Follow staff instructions

Approx. 210 miles (3 hr, 24 min)

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

SOLAR CAR ROUTE OVERVIEW



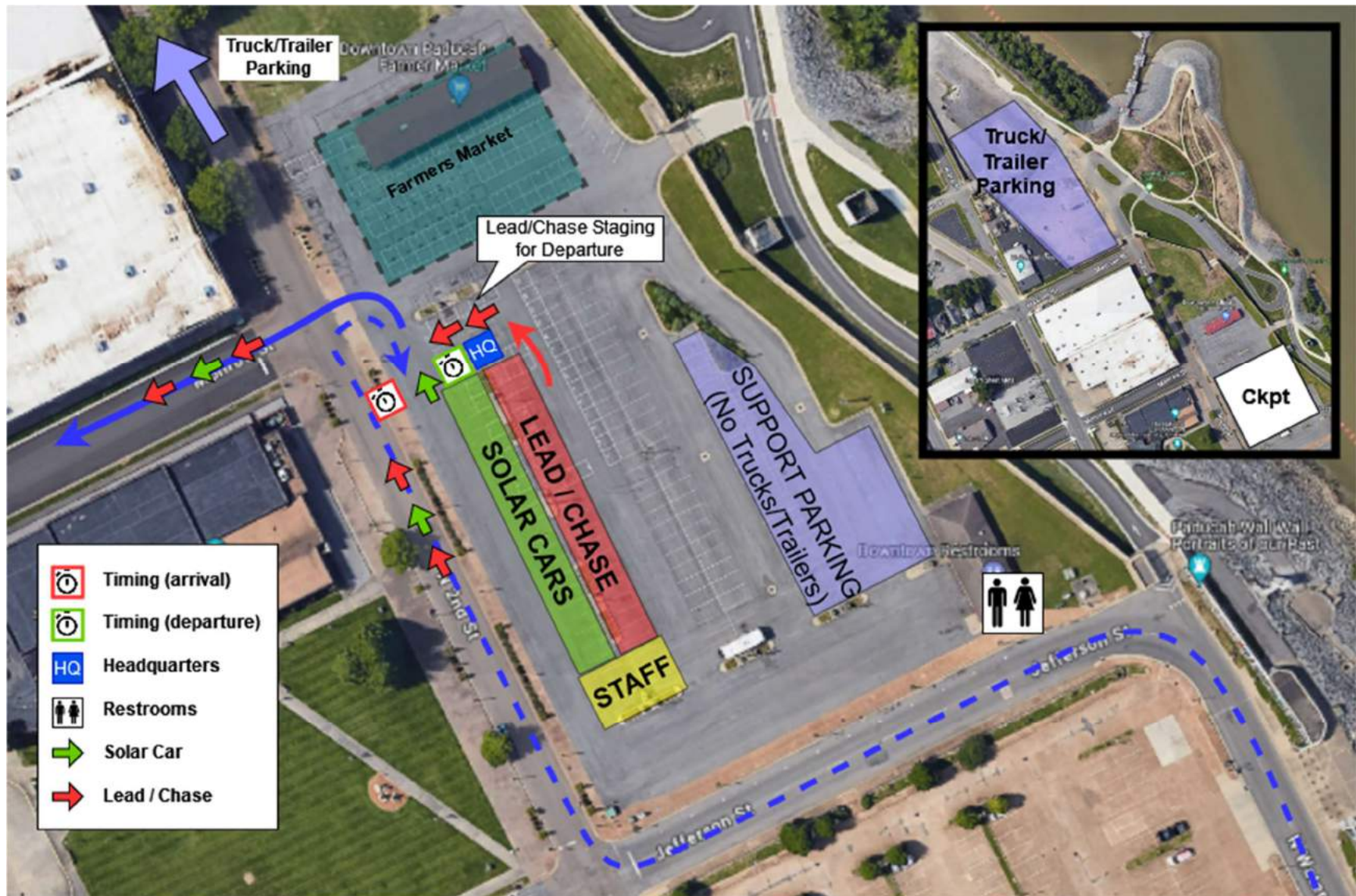
SEGMENT B PADUCAH, KY – EDWARDSVILLE, IL

CHECKPOINT:
Downtown Paducah Farmer Market
306 N 2nd St, Paducah, KY 42001

STAGE STOP:
Southern Illinois University Edwardsville (SIUE), Lot E
44 Circle Dr, Edwardsville, IL 62025

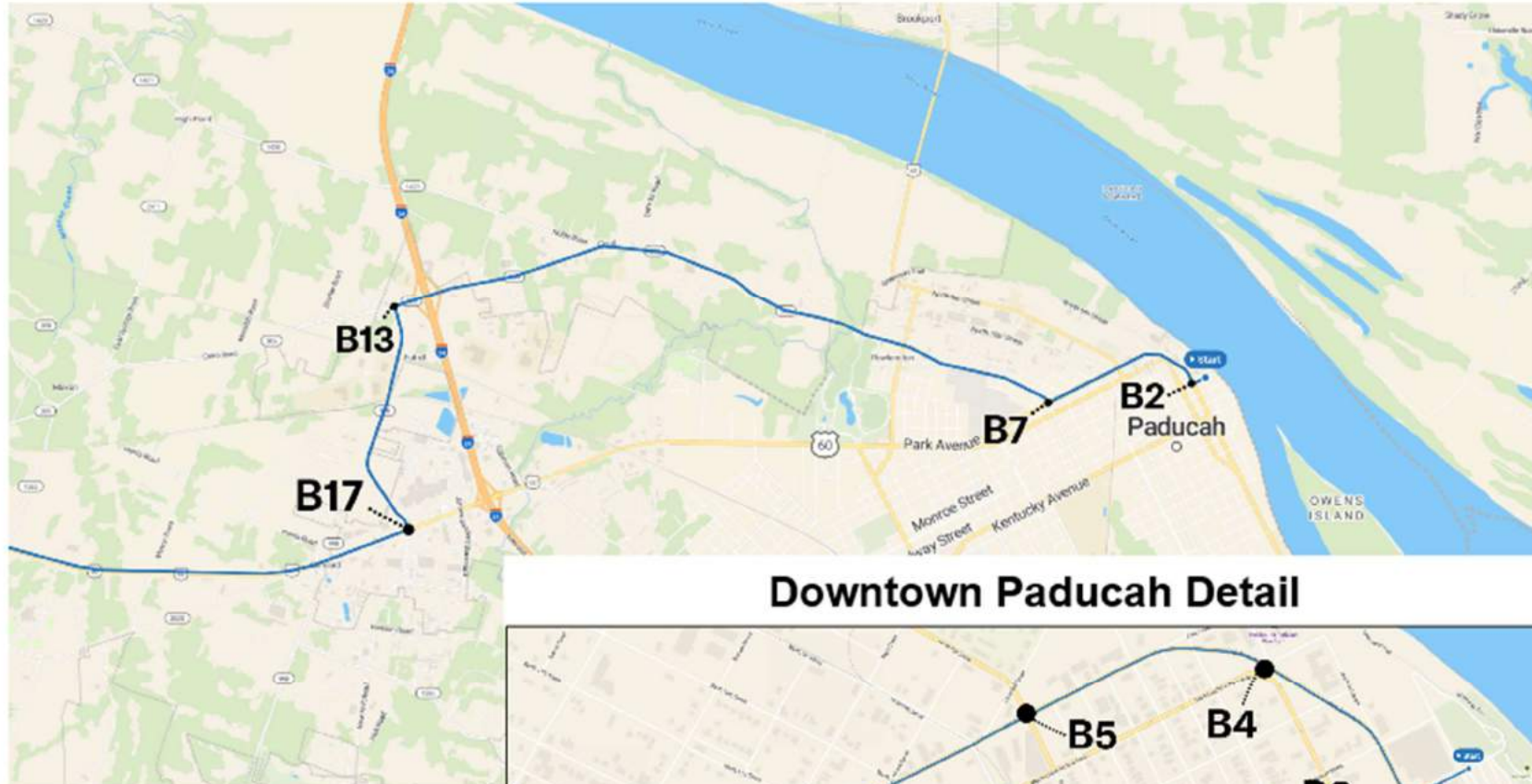


See America by National Historic Trail



Checkpoint – Downtown Paducah Farmer Market – Paducah, KY

B1 - B18 Overview

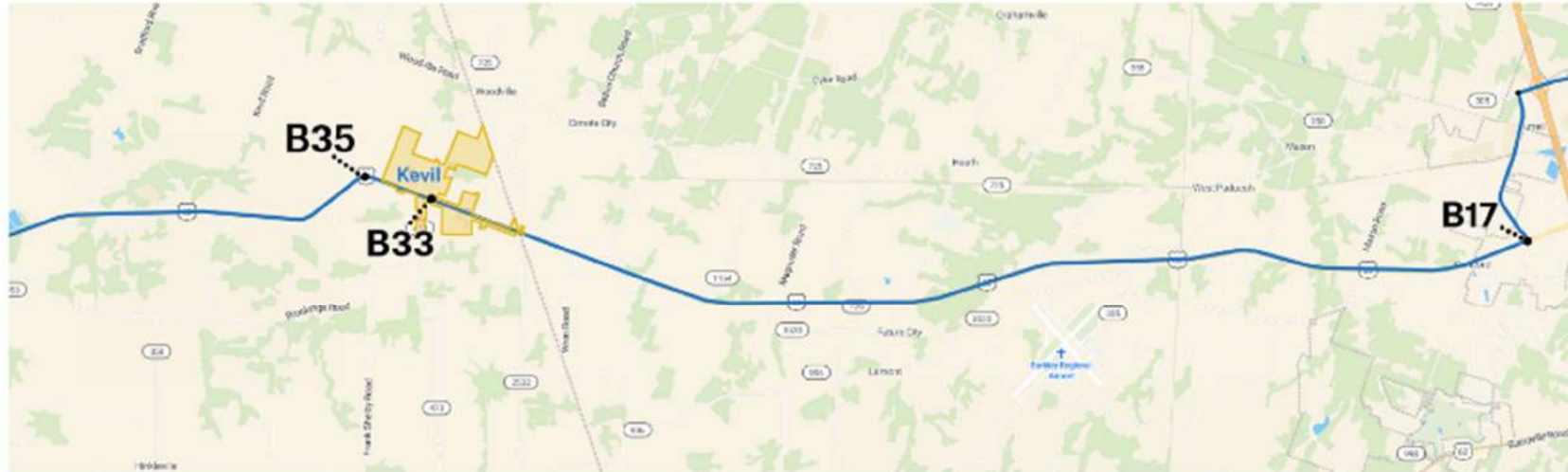


Downtown Paducah Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 1	0.00		HEAD STRAIGHT onto Monroe St	Leaving checkpoint at Monroe St & 2nd St	1	25		
B 2	0.07	0.07	TURN RIGHT at Stop Sign onto 3rd St	NOTE: Teams doing Paducah loops will be going straight here. DO NOT FOLLOW THEM!	2	35	curb	
B 3	0.20	0.13	KEEP LEFT after Madison St to follow US-45 North Business & US-60 West Business	Road name changes to Park Ave				
B 4	0.30	0.10		SL for Executive Blvd, Convention Center to right	2		curb	
B 5	0.70	0.40		SL for N 8th St / US-45 Business		35		fuel
B 6	0.80	0.10		RR Crossing (rough), N 9th St		35	curb	
B 7	1.20	0.40	TURN RIGHT at SL onto N 13th St following signs for KY-305 West		1	35	wide st, curb	
B 8	1.90	0.70		Road curves to right at Palm St, changes name to Cairo Rd. River City Eagles on Right				
B 9	2.20	0.30		SL for US-45 / H C Mathis Dr	1	45	none	fuel
B 10	2.50	0.30		Bike/Pedestrian Trail Crossing				
B 11	4.90	2.40		Rural King on right				
B 12	5.50	0.60		2 SLs for I-24 Ramps (exit 3), pass under I-24				lodging
B 13	5.70	0.20	TURN LEFT at SL onto KY-998 South	Olivet Church Road / Jct KY-998.	2	45	paved	fuel, camping
B 14	6.30	0.60		RR tracks				
B 15	6.50	0.20				35	curb	
B 16	7.00	0.50				25		
B 17	7.30	0.30	TURN RIGHT at the SL on US-60 West		2	45	curb	
B 18	7.60	0.30		SL with Kohls, Michaels, Bed Bath & Beyond on right				

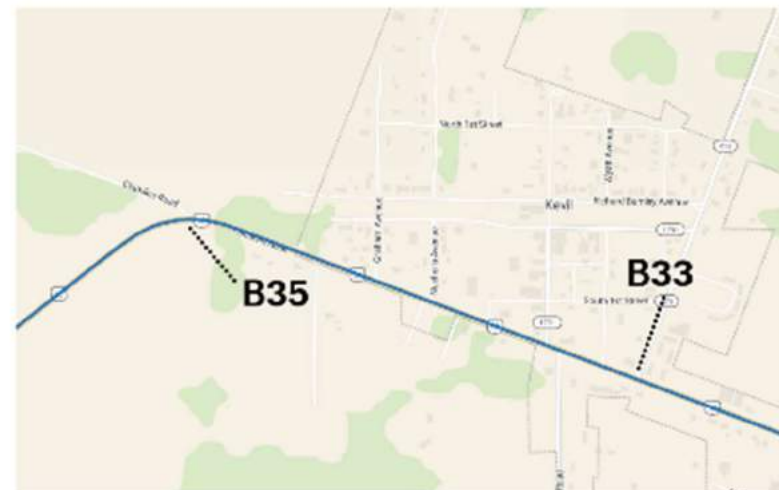
B19 - B36 Overview



B17 - B19 Detail



Kevil Detail



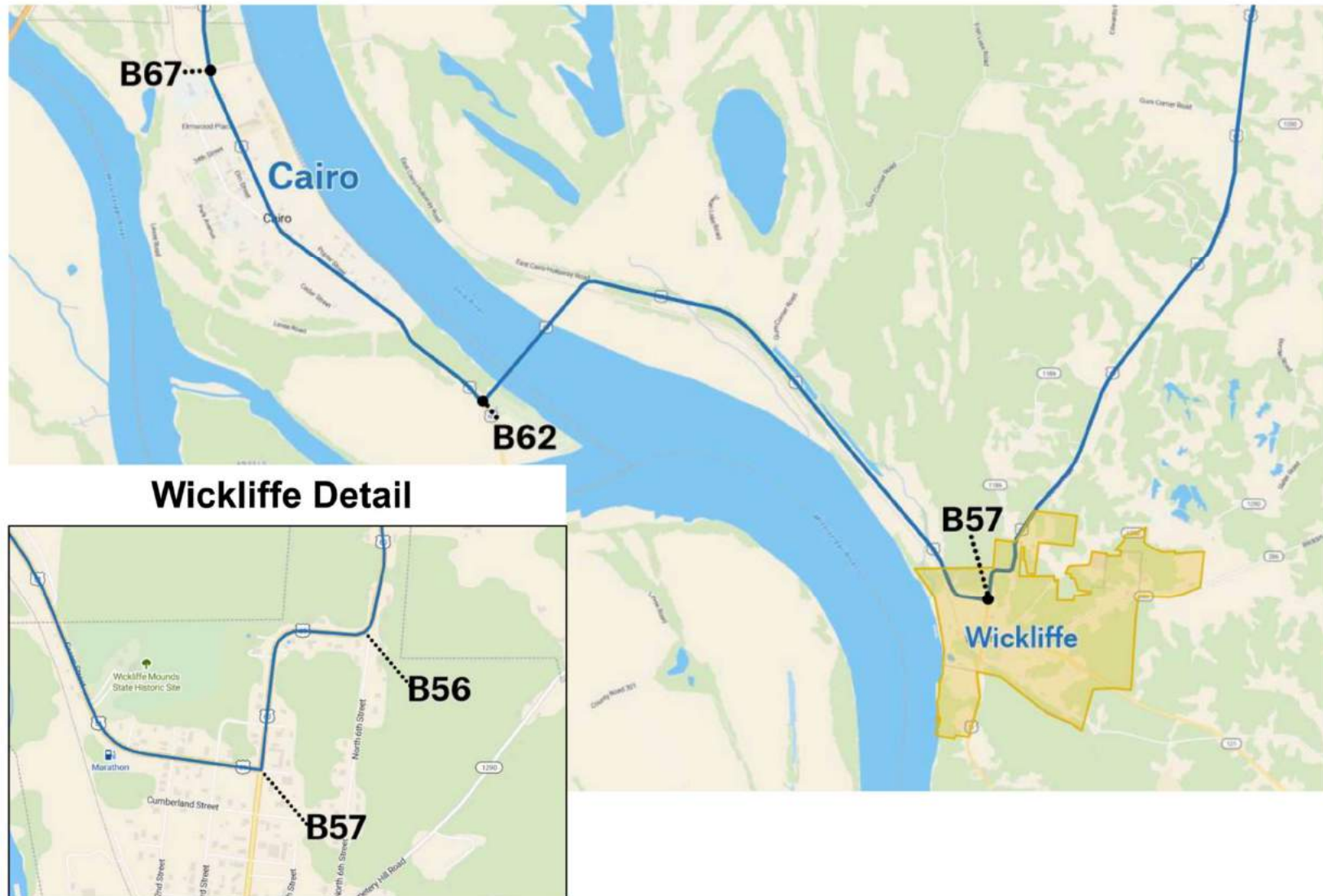
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 19	7.80	0.20		SL for KY-998. Huck's Market / gas station on far right corner	2	55	paved	
B 20	8.30	0.50		Jct KY-3520, Tractor Supply Co on right				
B 21	9.00	0.70		Jct KY-3529 / Maxon Rd				
B 22	9.60	0.60		SL for McCracken High School on left and Jackson Purchase Energy Cooperative on right				
B 23	10.00	0.40		KY-1565				
B 24	11.20	1.20		SL for Jct KY-305				
B 25	11.90	0.70		Jct KY-724 / Steele Rd	2	55	paved	
B 26	13.50	1.60		Jct KY-996 intersection, watch for left-turn traffic				
B 27	14.00	0.50		Jct KY-726 / Kelley Rd, watch for left turn traffic, Dollar General				
B 28	15.40	1.40		SL for KY-1154 / Hobbs Rd	2		paved	
B 29	15.70	0.30	MERGE LEFT, right lane ends ahead	End divided highway	1	55	none	
B 30	16.50	0.80		Jct KY-995				
B 31	17.40	0.90		Entering Ballard County, Entering Kevil ahead				
B 32	17.70	0.30		Grace Valley Independent Baptist Church on left, Marathon gas station on right ahead		45		
B 33	18.30	0.60		KY-473/New Liberty Church Rd				
B 34	18.50	0.20		Flashing light for KY-1791/Wallace Ave, speed change ahead before Dollar General		35		
B 35	19.00	0.50	CONTINUE TO FOLLOW US-60 West	Road curves left	1	55	none	
B 36	21.60	2.60		Jct KY-310 toward Oscar, large paved pulloff area on the right at the corner				

B37 - B52 Overview



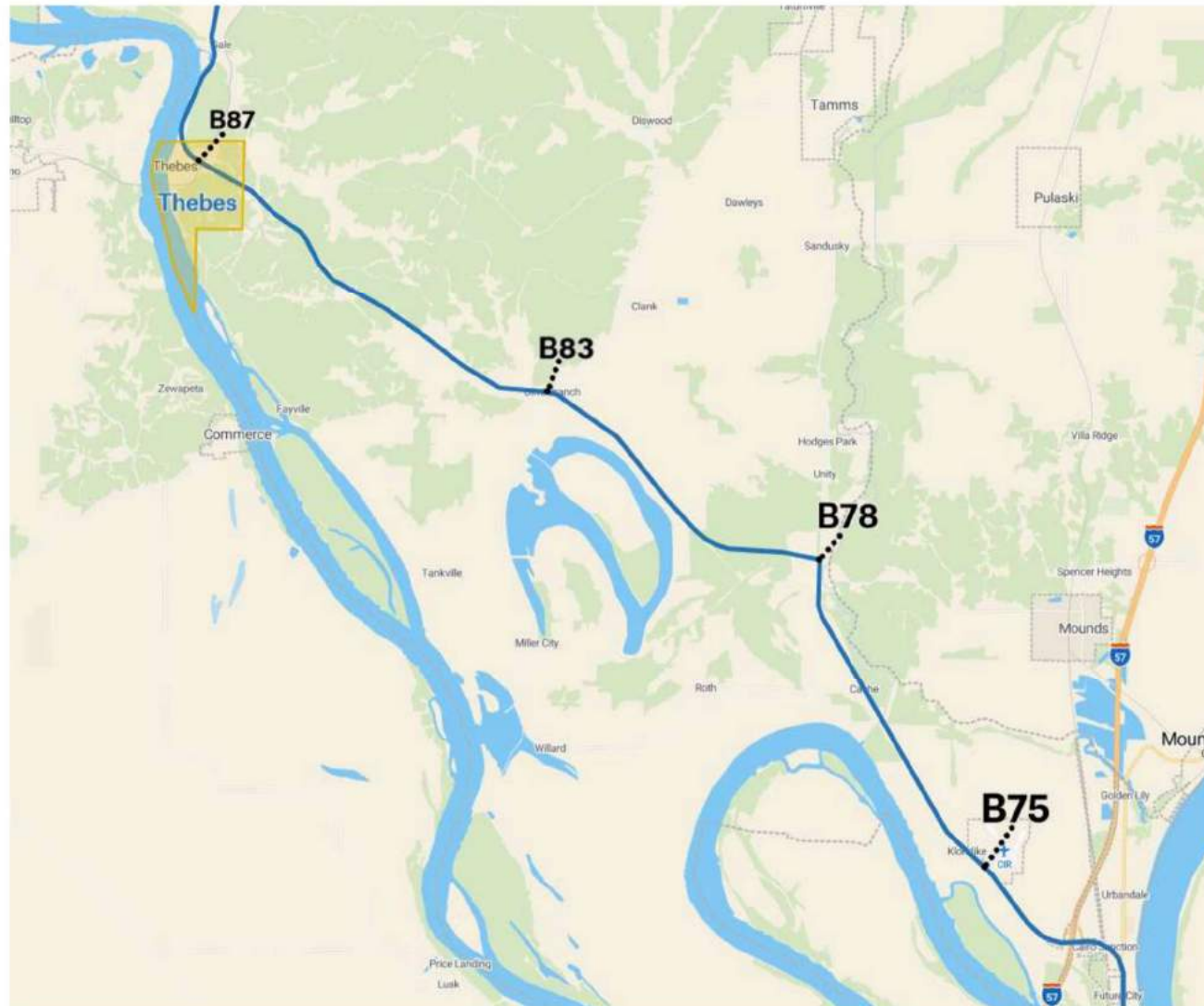
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 37	22.90	1.30		Speed change at middle of guardrail		45		
B 38	23.20	0.30		Entering La Center , Farmers Market on right		35		
B 39	23.50	0.30		SL for KY-358/Olive St, Bluegrass Restaurant & Family Dollar on corners				fuel, food
B 40	23.70	0.20		First Community Bank on right, Kenwood Dr on left		45		
B 41	24.40	0.70		Ballard Memorial High School on left				
B 42	24.80	0.40			1	55	none	
B 43	27.00	2.20		Entering Barlow		45		
B 44	27.30	0.30		Speed change before Monroe Dr		35		
B 45	27.70	0.40		Jct KY-1105 / 6th St		25		
B 46	27.90	0.20	TURN LEFT at Stop Sign (all-way with flashing red) to stay on US-60 East/S 4th St	Post Office on right after turn	1	25	paved	
B 47	28.00	0.10		Wall St		35		
B 48	28.10	0.10		Dollar General on right			none	
B 49	28.30	0.20				55		
B 50	30.00	1.70		Jct KY-1368				
B 51	30.30	0.30		Jct KY-1280				
B 52	32.40	2.10		Jct KY-1186				

B53 - B68 Overview



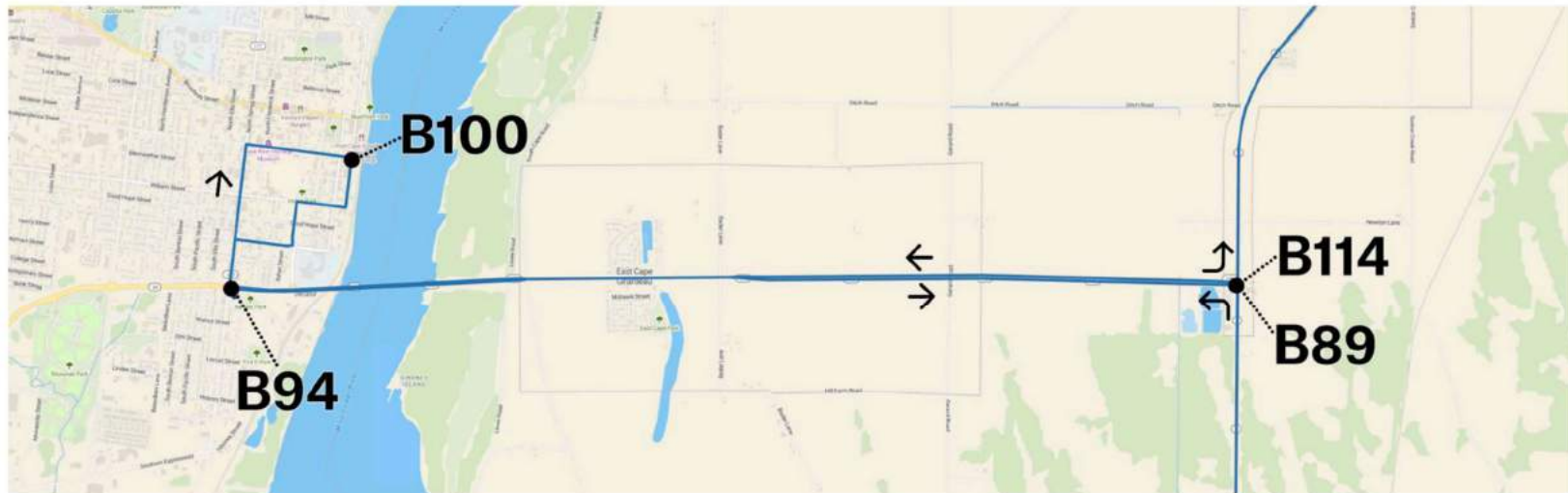
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 53	33.40	1.00		Entering Wickliffe				
B 54	33.70	0.30		Jct KY-1186 / County Farm Rd, speed change before turnoff, Ballard County Jail on left		35		
B 55	33.90	0.20		Lewis & Clark Trail Auto Tour Route Sign				
B 56	34.00	0.10		Follow S-Bend to right then left, speed change just after right bend		25		
B 57	34.30	0.30	TURN RIGHT at Stop Sign (all-way with flashing red) onto US-51 North/US-60 West/US-62 West/Green St toward Wickliffe Mounds	Stop sign far back from intersection, watch for turning trucks. Flashing lights overhead	1	35	paved	
B 58	34.50	0.20		Indian Hills Trading Post & Marathon gas station on left				fuel
B 59	34.70	0.20		Speed change sign with guardrail	1	55	paved	
B 60	34.90	0.20		Western Kentucky Veterans Memorial Bridge			none	
B 61	37.90	3.00		Tight left curve onto Cairo Ohio River Bridge, Long Narrow bridge! Welcome to Illinois			none	
B 62	39.10	1.20	TURN RIGHT before stop sign to stay on US-51 North (Ohio River Scenic Byway)	CAUTION: cross traffic does not stop, have your own lane after turning	2	55	paved	
B 63	39.70	0.60		"Welcome to Illinois" sign				
B 64	39.80	0.10		Entering Cairo		30		
B 65	41.60	1.80		34th St, left lane ends	1		none	
B 66	42.00	0.40		RR bridge, 14' 3" clearance				
B 67	42.10	0.10		Historic Cairo Tunnel				
B 68	42.30	0.20				40		

B69 - B86 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 69	42.50	0.20		Begin divided highway, Entering Future City	2	45	paved	
B 70	43.30	0.80	CONTINUE STRAIGHT to stay on US-51/IL-3 North	SL for IL-37				
B 71	44.10	0.80	CONTINUE STRAIGHT on IL-3 North	I-57 (exit 1)/US-51 overpass				
B 72	44.30	0.20				50		
B 73	44.50	0.20		Speed change just after Kessler Rd on left		55		
B 74	44.80	0.30		End divided highway	1		paved	
B 75	46.10	1.30		Cairo Regional Airport on Right				
B 76	46.20	0.10		Entering Klondike		55		
B 77	49.00	2.80		Miller City Rd/turnoff for Miller City				
B 78	51.70	2.70	TURN LEFT at Stop Sign (All-way with flashing red light) to stay on IL-3 North	Jct IL-127, Signs for Great River Road National Route, pulloff on right	1	55	paved	
B 79	54.10	2.40		Horseshoe Lake Camping Area on left				camping
B 80	55.90	1.80		Speed limit change just past Unity Rd		50		
B 81	56.50	0.60		Entering Olive Branch, Hunny's Pub on left, Old Mill Rd	1	45	paved	
B 82	57.00	0.50		Speed change before Railroad St, white church on corner		40		
B 83	57.20	0.20		Fill Up Mart/Fast Stop on left				fuel
B 84	57.50	0.30		Dollar General and Fast Stop on left				fuel
B 85	57.70	0.20		Speed change		55	narrow paved	
B 86	59.20	1.50		Twente School Rd, church on right with large paved parking lot				

B87 - B115 Overview



B89 Detail

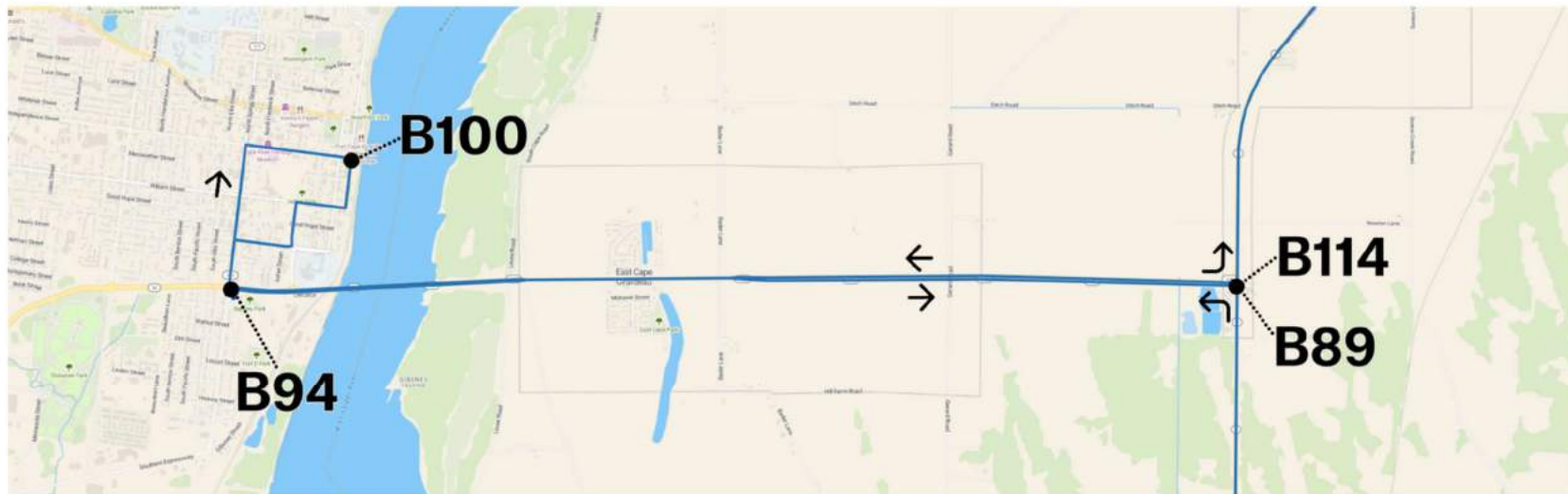


Cape Girardeau Detail (1)

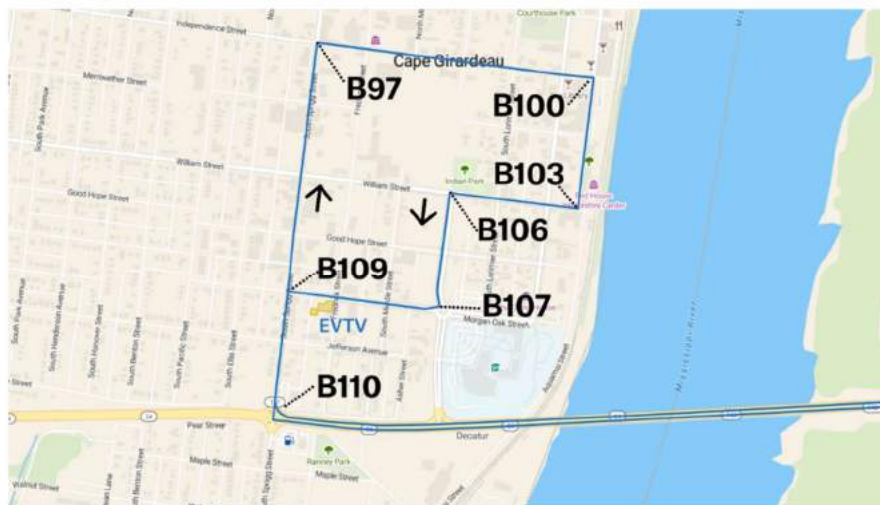


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 87	64.00	4.80		Turnoff for Thebes , Rose Hill Cemetery on right	1			
B 88	66.10	2.10		Sexton Creek, Turnoff for Gale on right				
B 89	69.30	3.20	TURN LEFT onto IL-146 West toward Cape Girardeau Pay attention: no stop sign/light!	Abandoned western town setup on right <i>Teams will loop through Cape Girardeau and return to this intersection in 11 miles</i>	2	55	paved, narrow	
B 90	70.60	1.30		Gerard Rd				
B 91	71.80	1.20		Entering East Cape Girardeau		45		
B 92	72.90	1.10	CONTINUE STRAIGHT on MO-74 West / Shawnee Pkwy	Cross Mississippi River, Welcome to Missouri , Bill Emerson Memorial Bridge			paved	
B 93	73.40	0.50		SL for Fountain St				
B 94	73.70	0.30	TURN RIGHT at SL for Sprigg St / MO-177	SL for Sprigg St / MO-177	1	30	curb	fuel
B 95	73.90	0.20		SL for Morgan Oak St				
B 96	74.10	0.20		SL for William St				
B 97	74.30	0.20	TURN RIGHT at SL for Independence St		1		curb	
B 98	74.40	0.10		Frederick St, Cape River Heritage Museum on far corner				

B87 - B115 Overview



Cape Girardeau Detail (2)

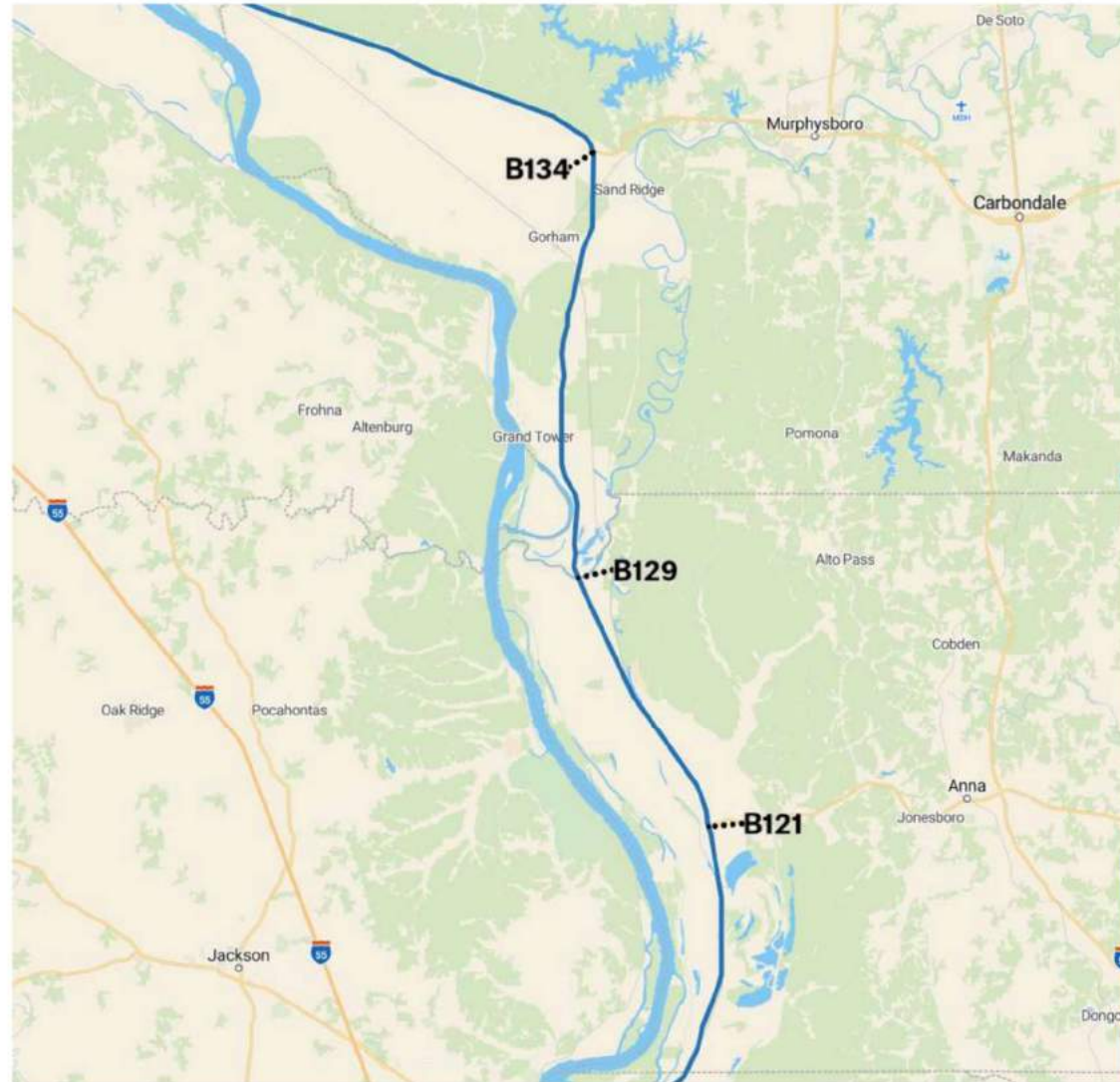


B114 Detail



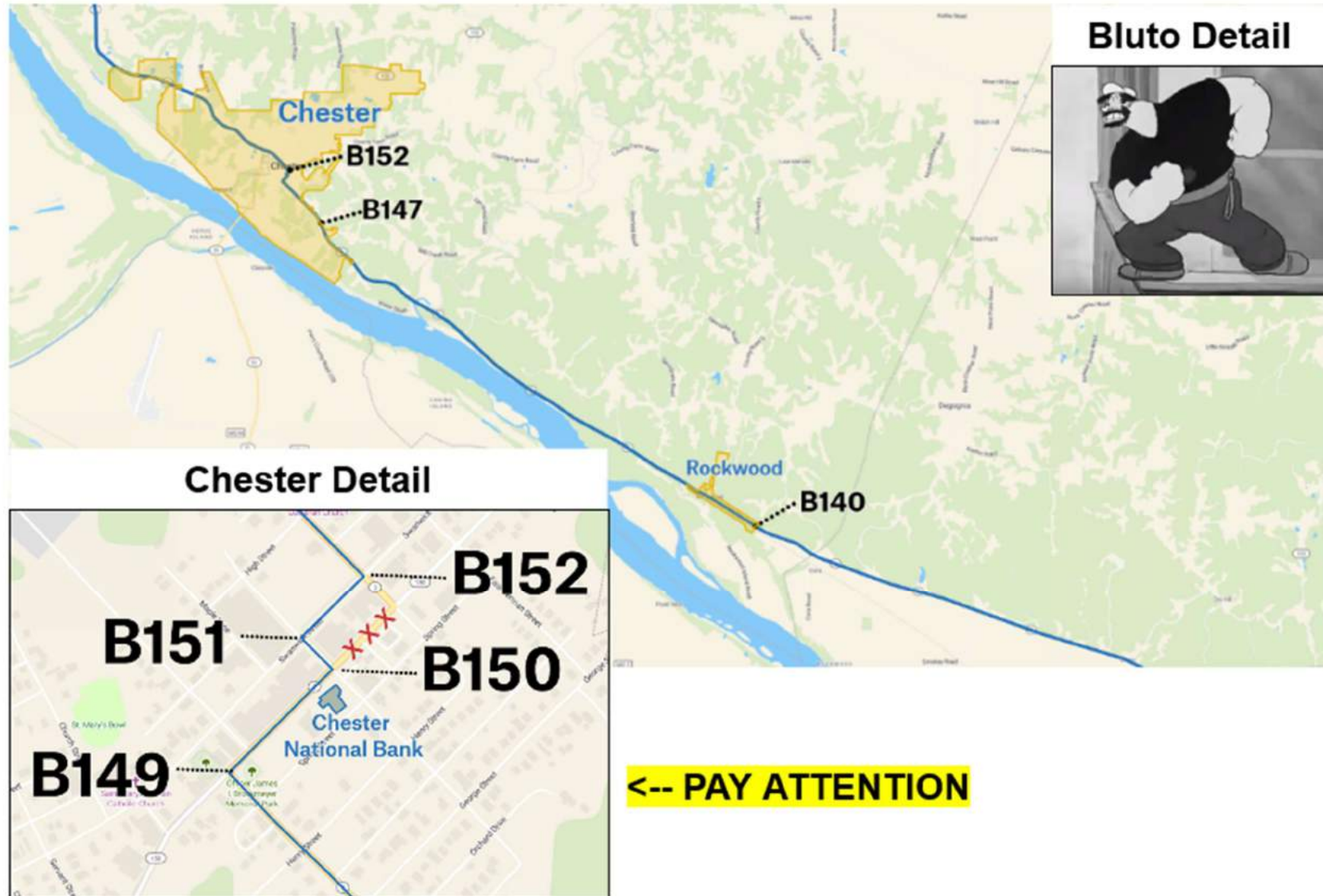
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 99	74.70	0.30		Stop Sign for Spanish St			parking lane	
B 100	74.80	0.10	TURN RIGHT at Stop Sign onto Main St	Mississippi River Tales mural on left after turning				
B 101	74.90	0.10		Merriwether St				
B 102	74.95	0.05		Red House Interpretive Center on left				
B 103	75.00	0.05	TURN RIGHT at Stop Sign onto William St					
B 104	75.10	0.10		Stop Sign (all-way) for Spanish St				
B 105	75.20	0.10		Lorimier St				
B 106	75.30	0.10	TURN LEFT onto Fountain St (divided, brick road) Pay attention: no stop sign/light!	Indian Park on right (playground directly across from turn)	1	30		
B 107	75.40	0.10	TURN RIGHT at Roundabout onto Morgan Oak St					
B 108	75.60	0.20		Frederick St, EVT Motor Verks on left after intersection				
B 109	75.70	0.10	TURN LEFT at stop sign onto Sprigg St / MO-177	Cross traffic does not stop	1	30	curb	
B 110	75.90	0.20	TURN LEFT at SL onto MO-74 East / Shawnee Pkwy		2	45		Fuel
B 111	76.20	0.30		SL Fountain St				
B 112	76.40	0.20	CONTINUE STRAIGHT on IL-146 East	Cross Mississippi River, Welcome back to Illinois	2			
B 113	77.30	0.90		Entering East Cape Girardeau				
B 114	80.30	3.00	TURN LEFT at the stop sign onto IL-3 North	Cross traffic does not stop <i>Rejoin IL-3 from exploration of Cape Girardeau</i>	1	55	paved	
B 115	81.00	0.70		Historical marker with gravel pulloff on left				

B116 - B138 Overview



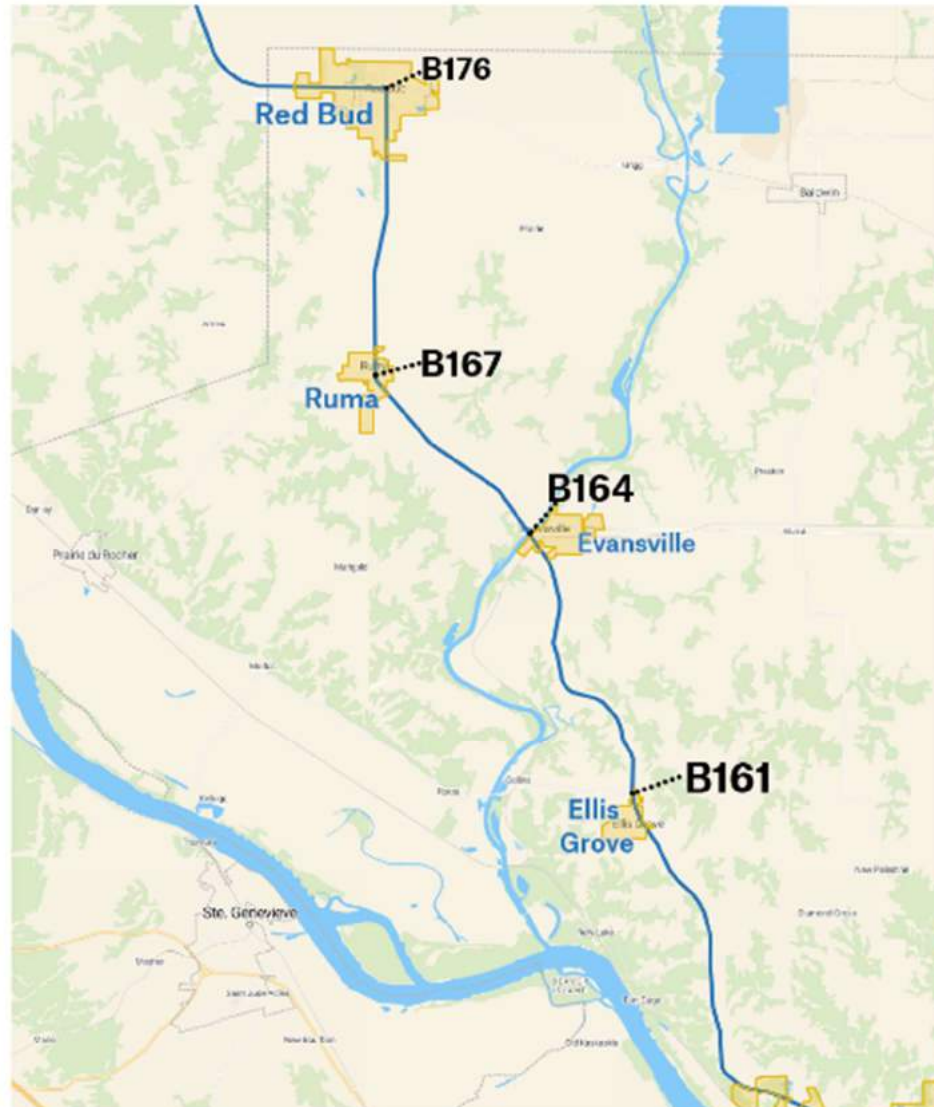
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 116	81.80	0.80		Entering McClure		50		
B 117	82.50	0.70			1	55	Paved / gravel	
B 118	83.90	1.40		Entering Union County				
B 119	86.30	2.40		Reynoldsville turnoff on right				
B 120	88.90	2.60		Davis Land Company on left - big goose sign				
B 121	91.70	2.80		Entering Ware		45		
B 122	91.80	0.10		Lewis and Clark Expedition Historical Marker on right, pulloff on left				
B 123	92.00	0.20		IL-146, Jonesboro turnoff				
B 124	92.10	0.10				55	none	
B 125	96.10	4.00		Entering Wolf Lake		45		
B 126	96.30	0.20		Trail of Tears State Forest to the right				
B 127	96.40	0.10				35		
B 128	96.80	0.40		Jacob St	1	55	none	
B 129	100.90	4.10		Big Muddy River, Jackson County				
B 130	105.60	4.70		Grand Tower Road, access for Grand Tower	1	55	paved	
B 131	108.90	3.30		Turnoff for Oakwood Bottoms & Turkey Bayou				
B 132	112.50	3.60		Town Creek Rd, turnoff for Little Grand Canyon & Sandridge				
B 133	113.40	0.90		RR Crossing			paved	
B 134	114.80	1.40		Jct IL-149		55	narrow paved	
B 135	116.20	1.40		Turnoff for Buttermilk Hill Trailhead to right	1	55	narrow paved	
B 136	119.20	3.00		Jct IL-151				
B 137	122.20	3.00		Raddle Rd				
B 138	124.80	2.60		Jones Ridge Rd				

B139 - B155 Overview

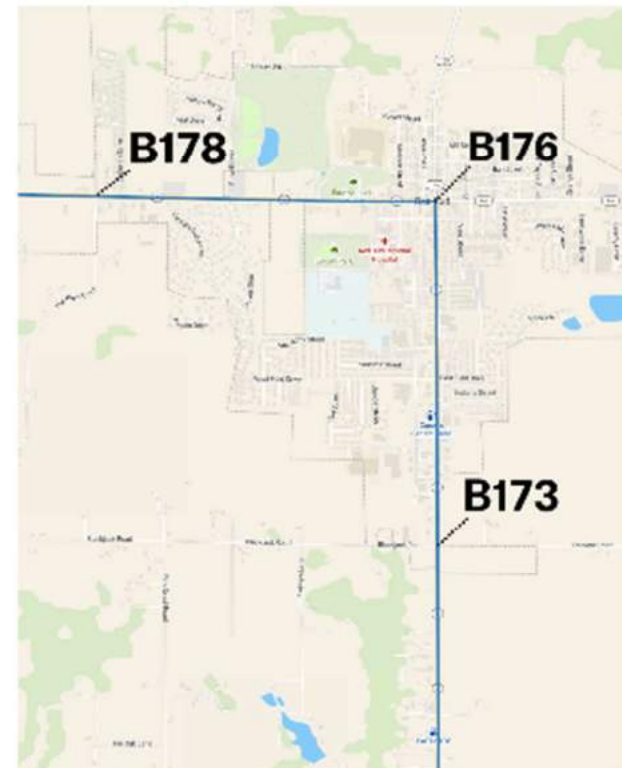


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 139	127.30	2.50		Turnoff for Cora on left at Levee Rd, road narrows. Entering Randolph County			none	
B 140	128.40	1.10		Entering Rockwood	1	45	none	
B 141	129.60	1.20				55		
B 142	130.80	1.20		Rocky Hollow Rd, "Middle Mississippi River National Wildlife Refuge" sign				
B 143	134.70	3.90		Cross Mary's River, immediately followed by RR track				
B 144	134.90	0.20		"Rough Road" signage				
B 145	135.70	0.80				45		
B 146	136.20	0.50		Entering Chester , home of Popeye. Pop 9600				
B 147	136.80	0.60		Speed change just after Park Blvd		35		
B 148	137.30	0.50		Speed change just after passing Chester Elementary School and water tower on left		30		
B 149	137.70	0.40	TURN RIGHT at Stop Sign to stay on IL-3 (State St)	Jct IL-150, "Spinach Can Collectables" straight ahead, statue of Wimpy across to left				
B 150	137.80	0.10	TURN LEFT at Stop Sign (all-way) to follow signs for IL-3 (Stacey St)	Follow Signage for IL-3. <i>Note: This differs from how online maps show IL-3 through Chester</i>				fuel
B 151	137.85	0.05	TURN RIGHT to follow signs for IL-3 (Swanwick St)	No stop sign, traffic from left and oncoming has stop sign				
B 152	137.90	0.05	TURN LEFT at Stop Sign (all-way) to follow signs for IL-3 (W Holmes St)	Statue of Bluto on far left side of intersection	1	35	paved narrow	
B 153	138.30	0.40		Speed change just before Allendale St		40		
B 154	138.70	0.40		DQ on right				
B 155	139.50	0.80		Cohen Sports Complex on Right, look for Statue of Popeye	1	55	Paved / grass	

B156 - B176 Overview

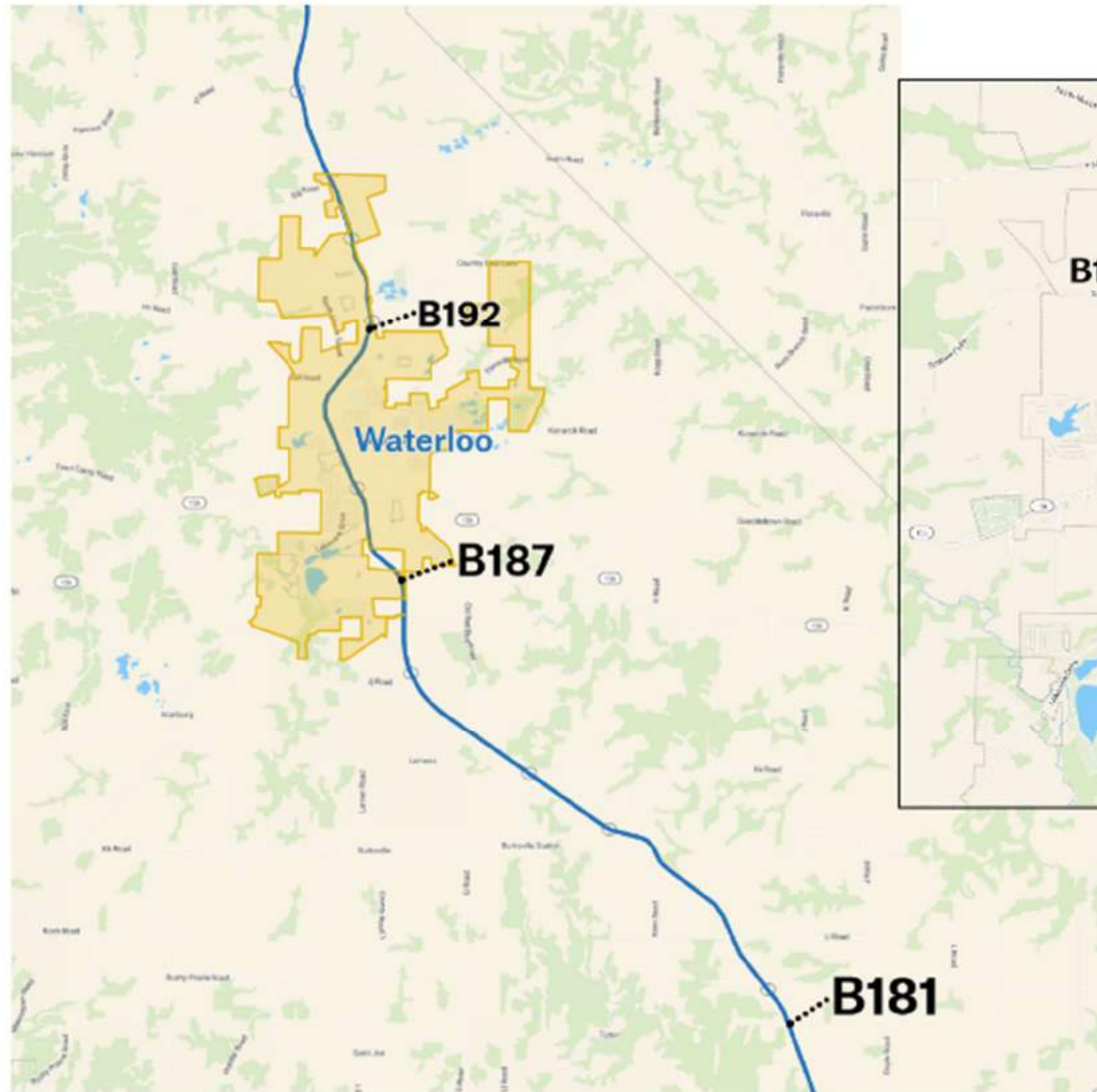


Red Bud Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 156	140.30	0.80		The Longest Drive Rd				
B 157	144.00	3.70		Shawneetown Trail, signs for camping				camping
B 158	145.30	1.30		Rest/picnic area on left				
B 159	146.30	1.00		Entering Ellis Grove , pop 400		50		
B 160	146.80	0.50		"Welcome to the Village of Ellis Grove" sign on right				
B 161	147.40	0.60		Roots Rd		55		
B 162	150.40	3.00		Historical marker pulloff on right			gravel	
B 163	153.00	2.60		Turnoff for Evansville to right, Liberty St			paved	
B 164	153.10	0.10		Kaskaskia River				
B 165	154.60	1.50		Prairie Rd/Scherle Ln			gravel, narrow	
B 166	157.20	2.60		Enter Ruma , pop 300		35		
B 167	157.40	0.20	Continue to follow IL-3 as the road curves to the right	Jct IL-155				
B 168	157.60	0.20		Crosswalk at 2nd St				
B 169	157.80	0.20				55	none	
B 170	159.10	1.30		Cross Horse Creek				
B 171	160.00	0.90		Richfield Rd				
B 172	160.90	0.90		Fast Stop on Left				fuel
B 173	161.70	0.80		Blackjack Rd Ohlwine Rd, Entering Red Bud , pop 3700		45		all services
B 174	161.80	0.10		Ford dealership on left		35		
B 175	162.00	0.20				30		
B 176	162.80	0.80	TURN LEFT at Stop Sign (all-way, flashing red) onto Market St to follow IL-3 North	Jct IL-154 / IL-159	1	35	parking	

B177 - B196 Overview

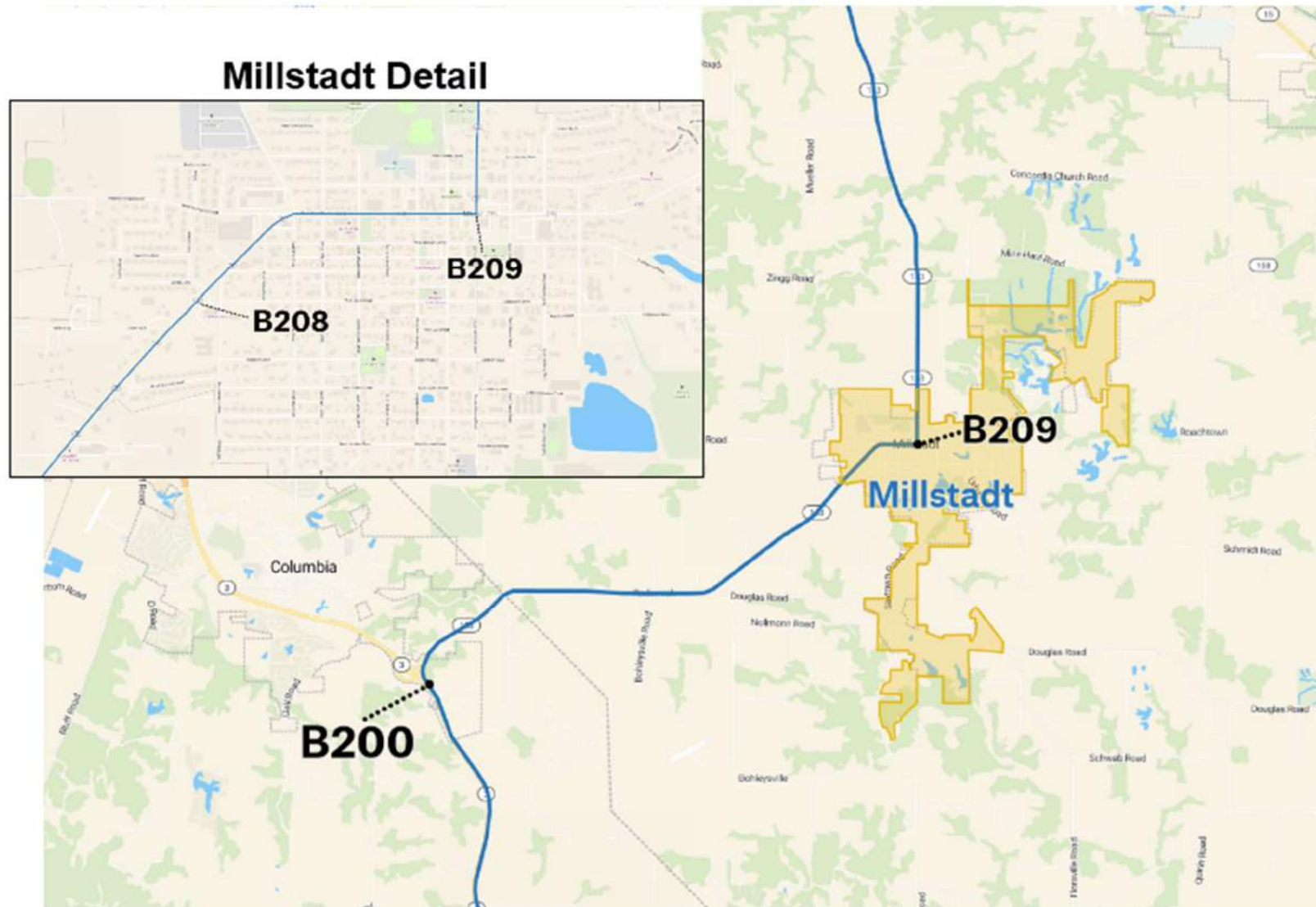


Waterloo Detail



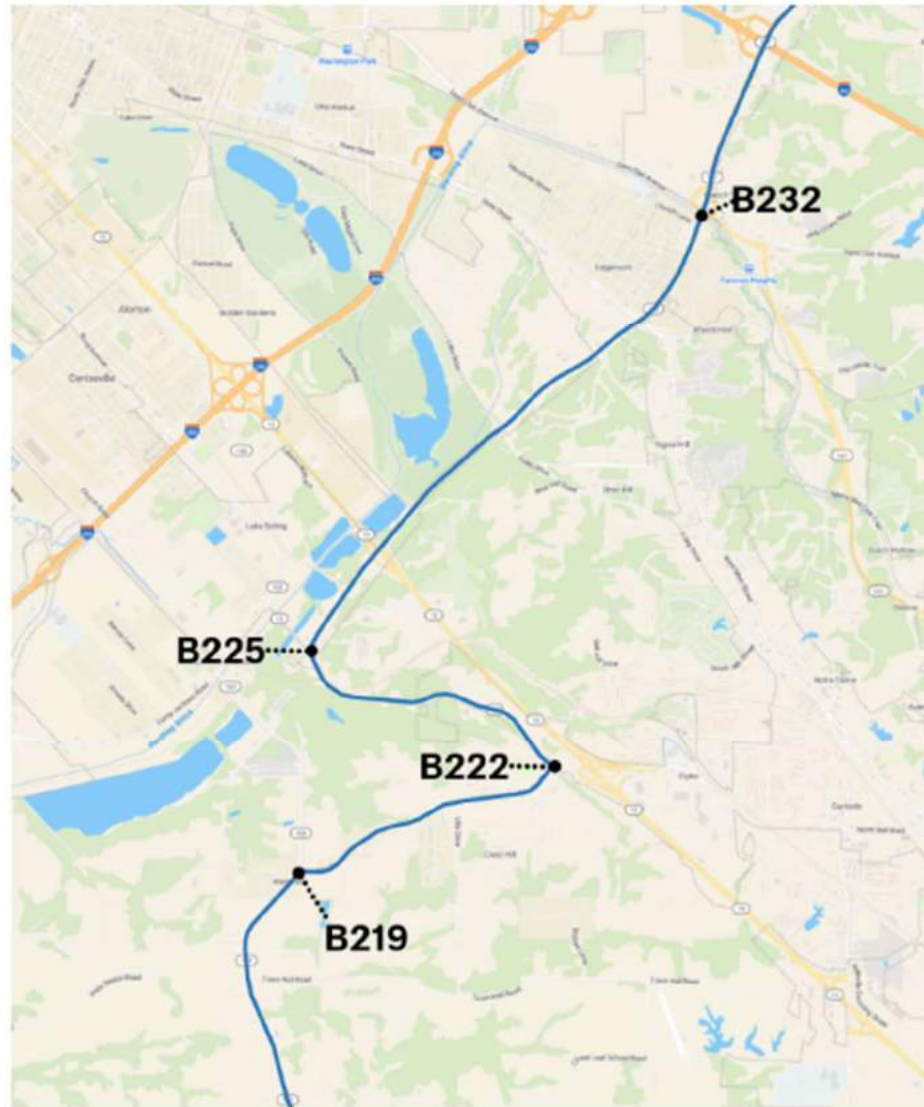
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 177	163.40	0.60		Speed change just past city park on the right		45	paved / gravel	
B 178	164.10	0.70		Pechacek funeral home on left		55		
B 179	165.20	1.10		Monroe County				
B 180	165.80	0.60		Phillips 66 on left				fuel
B 181	167.60	1.80		J Rd			narrow paved / gravel	
B 182	168.80	1.20		LL Rd				
B 183	169.70	0.90		Kingdom Hall on left				
B 184	170.80	1.10		KK Rd				
B 185	173.10	2.30		Kaskaskia Rd				
B 186	174.70	1.60				45	paved	
B 187	175.00	0.30		SL for Vandebrook Dr/S Market St	2			all services
B 188	175.70	0.70		Library St, Entering Waterloo			paved w/ curb	
B 189	176.50	0.80		SL for Park St/IL-156				fuel
B 190	176.90	0.40		SL for Illinois Ave	2	45	paved	
B 191	177.70	0.80		Moore St, ballpark on right			curb	
B 192	178.30	0.60		SL for Market St				fuel, food
B 193	178.70	0.40		SL for Country Club Ln/HH Rd				fuel
B 194	179.30	0.60		Begin divided highway			paved	
B 195	179.70	0.40			2	55	paved	
B 196	180.70	1.00		Coxeyville Rd/Hanover Rd				

B197 - B216 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 197	181.70	1.00		FF Rd				
B 198	182.40	0.70		EE Rd				
B 199	183.00	0.60		Gilmore Lake Rd				
B 200	183.70	0.70	EXIT RIGHT for IL-158 East toward Belleville		1			
B 201	183.80	0.10	MERGE LEFT onto IL-158 East		1	55	paved	
B 202	184.20	0.40		Campbell Ln	1	55	none	
B 203	185.00	0.80		Columbia Quarry Road, entering St. Clair County				
B 204	186.30	1.30		Triple Lakes Rd / Bohleysville Rd				
B 205	186.90	0.60	CONTINUE TO FOLLOW IL-158 as it curves left	Douglas Rd				
B 206	188.00	1.10		Entering Millstadt , pop 4000				
B 207	188.40	0.40				35	paved	
B 208	188.80	0.40		VFW on right		30		
B 209	189.30	0.50	TURN LEFT at Stop Sign (all-way) onto IL-163/Jefferson St	Circle K on left		30		fuel
B 210	189.80	0.50		"Cahokia Hts 7" sign		55		
B 211	190.80	1.00		Mine Haul Rd/Zingg Rd - flashing yellow before the intersection				
B 212	191.80	1.00		Prairie Dupont Creek				
B 213	191.90	0.10		Concordia Church Road. Church on Hill on corner				
B 214	192.50	0.60		Forest Hill School Rd			none	
B 215	193.00	0.50		Clover Leaf Rd				
B 216	193.80	0.80		Prairie Dupont Creek (again)				

B217 - B234 Overview



B219 Detail



B225 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 217	194.10	0.30		Town Hall Rd		50		
B 218	194.40	0.30		Imbs Station Rd		50		
B 219	194.90	0.50	TURN RIGHT onto Eiler Road No stop sign or SL! PAY ATTENTION, EASY TO MISS!	Sign for Eiler Road with flashing yellow light before the turn, Westview Auto Body sign on right immediately before the turn.	1	55	rough	
B 220	195.90	1.00		Olde Lantern Estates on left, Dunnmeade subdivision on right				
B 221	196.10	0.20				45		
B 222	196.80	0.70	TURN LEFT at Stop Sign (all-way, flashing red) onto 223 N / IL-13 / Old St Louis Road	Circle K on the near left corner	1	55	none	fuel
B 223	198.00	1.20				45		
B 224	198.30	0.30		narrow RR underpass				
B 225	198.70	0.40	At Traffic Circle, TAKE FIRST EXIT to turn right onto IL-157 North / 88th St toward Caseyville	ONE SPA on the right after the turn	1	50	rough	
B 226	199.10	0.40		RR tracks				
B 227	199.40	0.30	CONTINUE STRAIGHT on IL-157 North	Jct IL-15, underpass	1	50	gravel	
B 228	200.40	1.00		Begin divided highway	2			
B 229	200.50	0.10		SL for Lake Dr / Foley Dr			paved	
B 230	201.60	1.10		SL for State St / Main St, Family Dollar on right, speed change after intersection	2	45	paved	
B 231	202.20	0.60		SL for Vieux Carre Dr			curb	
B 232	202.50	0.30		Cross Schoenberger Creek. <i>St. Louis Arch visible in distance to left for a moment after the bridge</i>				
B 233	203.30	0.80		SL for Tucker Dr, DQ on left			paved	all
B 234	203.50	0.20		SL for Rauckman Dr / I-64 ramps				fuel

B235 - B256 Overview



B245 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 235	203.70	0.20		SL for Petroff Pl / I-64 ramps				
B 236	203.90	0.20		SL for Sasak Place				fuel
B 237	204.20	0.30		SL Bunkum Road				
B 238	204.30	0.10		End divided highway	1	40	none	
B 239	205.10	0.80		Dollar General on left		30		
B 240	205.30	0.20		Pulloff area on right				
B 241	205.60	0.30		RR tracks				
B 242	205.80	0.20		SL for O'Fallon Dr, Dairy Haven on corner				
B 243	206.00	0.20		Start of bridge over RR tracks		35		
B 244	206.20	0.20		Canteen Creek				
B 245	206.30	0.10	STAY LEFT to continue to follow IL-157 North	SL for Caseyville Rd (splits off to right)				
B 246	207.30	1.00		SL for St Louis Rd, entering Madison County				
B 247	207.40	0.10		SL for Collinsville Rd	2	45	none	
B 248	208.00	0.60		SL for Main St				
B 249	208.30	0.30		SL for Beverly Lane / South Mall Entrance, Freddy's on left				fuel
B 250	208.50	0.20		SL for Collinsville Crossing				
B 251	208.60	0.10		SL for Ramada Blvd / I-55 ramps (exit 11)		40		
B 252	208.90	0.30		SL for I-55 Ramps				
B 253	209.00	0.10		SL for Eastport Plaza Drive				
B 254	209.20	0.20	CONTINUE STRAIGHT to follow IL-157 North towards Edwardsville	SL for Beltline Rd		40	paved / rough	fuel
B 255	209.40	0.20	MERGE LEFT, right lane ends ahead	SL for Horseshoe Lake Rd				
B 256	209.60	0.20			1	50	none	

B257 - Ckpt Overview



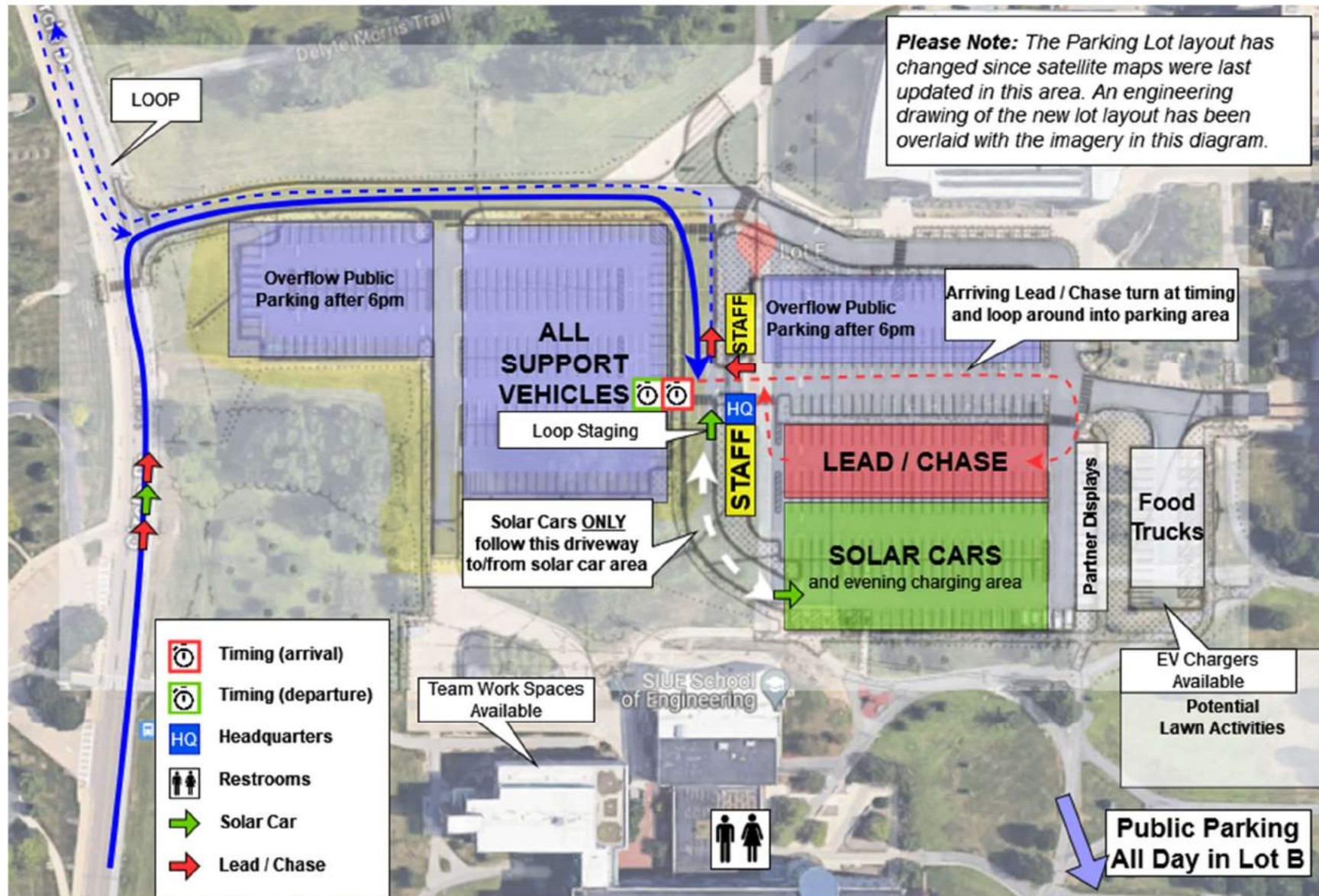
B268 Detail



B270 - B271 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 257	209.80	0.20				55	gravel	
B 258	210.60	0.80		Sugar Loaf Rd				
B 259	212.60	2.00		Burdick Creek, Bluffview Baptist Church just before				
B 260	212.90	0.30				45		
B 261	213.10	0.20		Jct IL-162, gravel pulloff & paved park & ride ahead on left				
B 262	213.30	0.20		SL for Main St				
B 263	213.40	0.10		Speed change just after Norma's Produce on right		50	paved	
B 264	214.10	0.70		SL for I-270 ramps (exit 9)	2			
B 265	214.60	0.50	CONTINUE STRAIGHT to follow University Drive	SL for Chain of Rocks Road, IL-157 splits to right	2	55	paved	
B 266	215.50	0.90		Country Club Dr/Bluff Rd, move to left lane				
B 267	215.70	0.20		St. Paul Church on left, watch for cyclists using bike path		45		
B 268	215.85	0.15	TURN LEFT onto Stadium Drive (no stop sign/light) PAY ATTENTION: EASY TO MISS - FEW SIGNS!	Shortly after church on left, left turn lane, just as road starts to bend right, follow signs towards "Korte Stadium, Baseball Complex., Softball Stadium"	1			
B 269	215.90	0.05		Stop Sign. Crossing IL-157 SB. Cross Traffic Does Not Stop!! Southern Illinois University Edwardsville sign on opposite corner	1	30	paved	
B 270	216.40	0.50	TURN RIGHT onto Whiteside Road (no stop sign/light) PAY ATTENTION: EASY TO MISS!	Southern Illinois University Edwardsville sign to the right	1	35	grass	
B 271	217.00	0.60	TURN LEFT at Stop Sign (all-way) onto Circle Drive		1	25	pvd narrow	
B 272	217.10	0.10	TURN RIGHT into Parking Lot E	Follow staff instructions at stage stop				

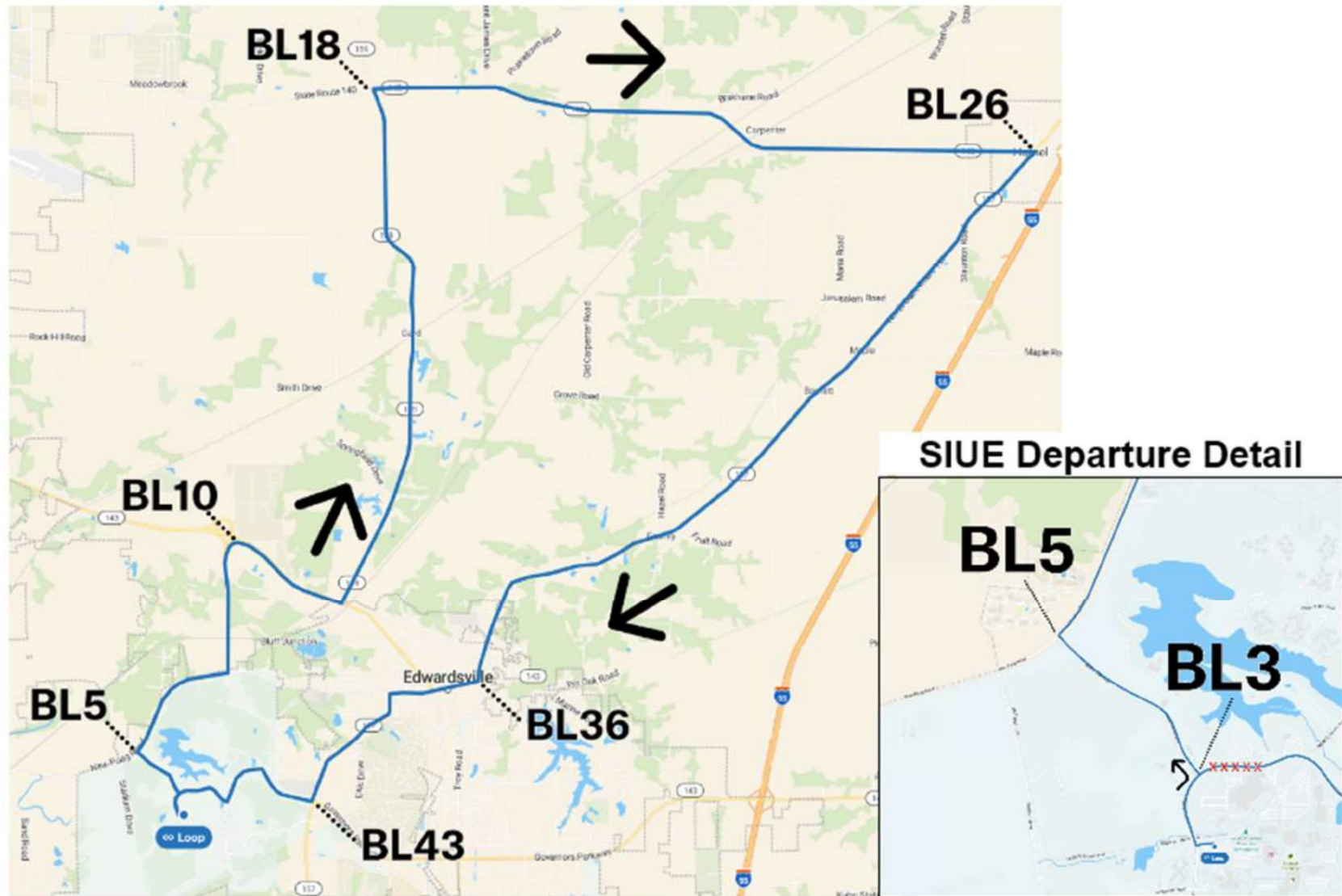


Stage Stop – Southern Illinois University Edwardsville (Lot E) – Edwardsville, IL

STAGE 1
OPTIONAL LOOP
(SEGMENT B LOOP)
EDWARDSVILLE

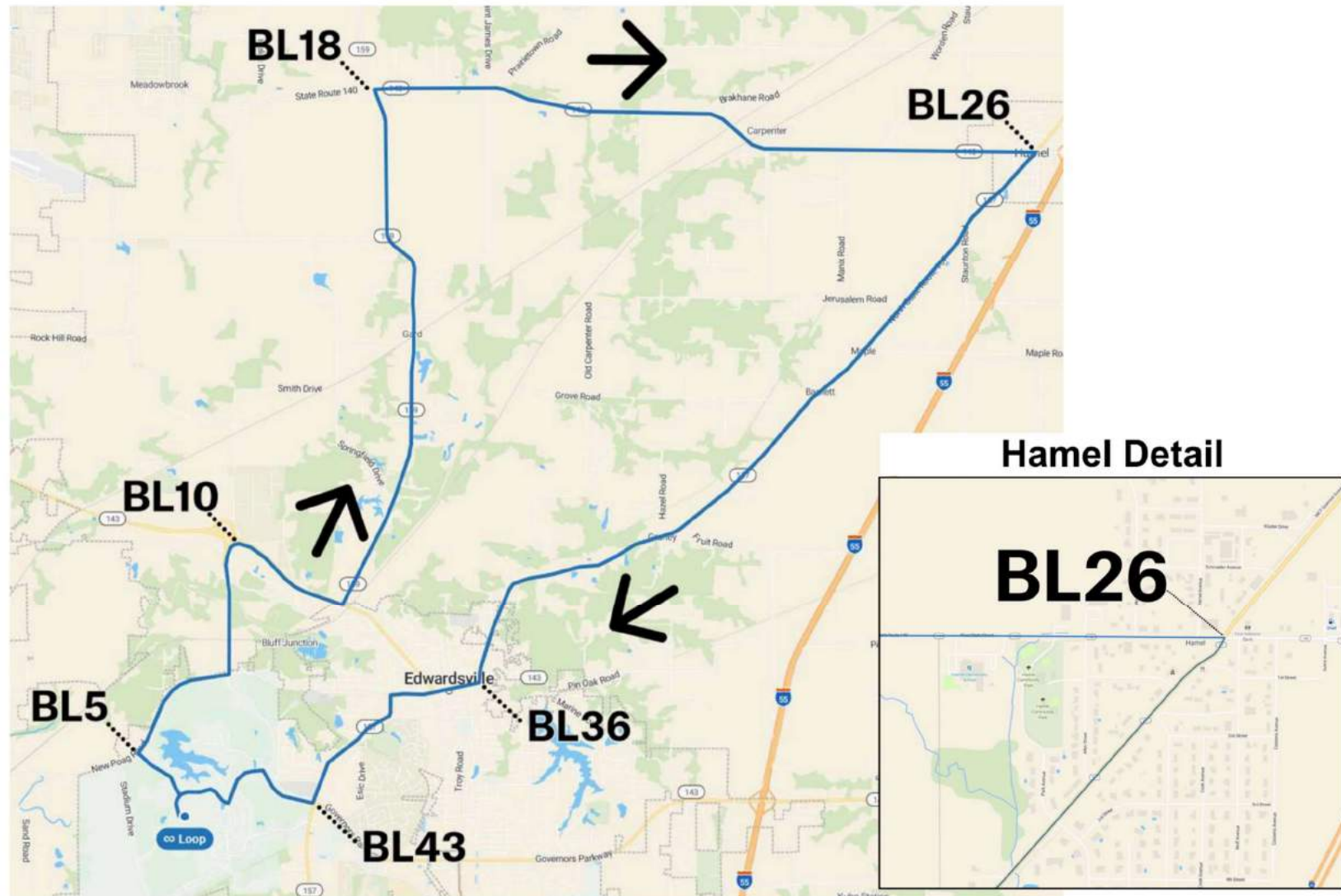
ELECTREK AMERICAN SOLAR CHALLENGE 2024

Edwardsville Optional Loop



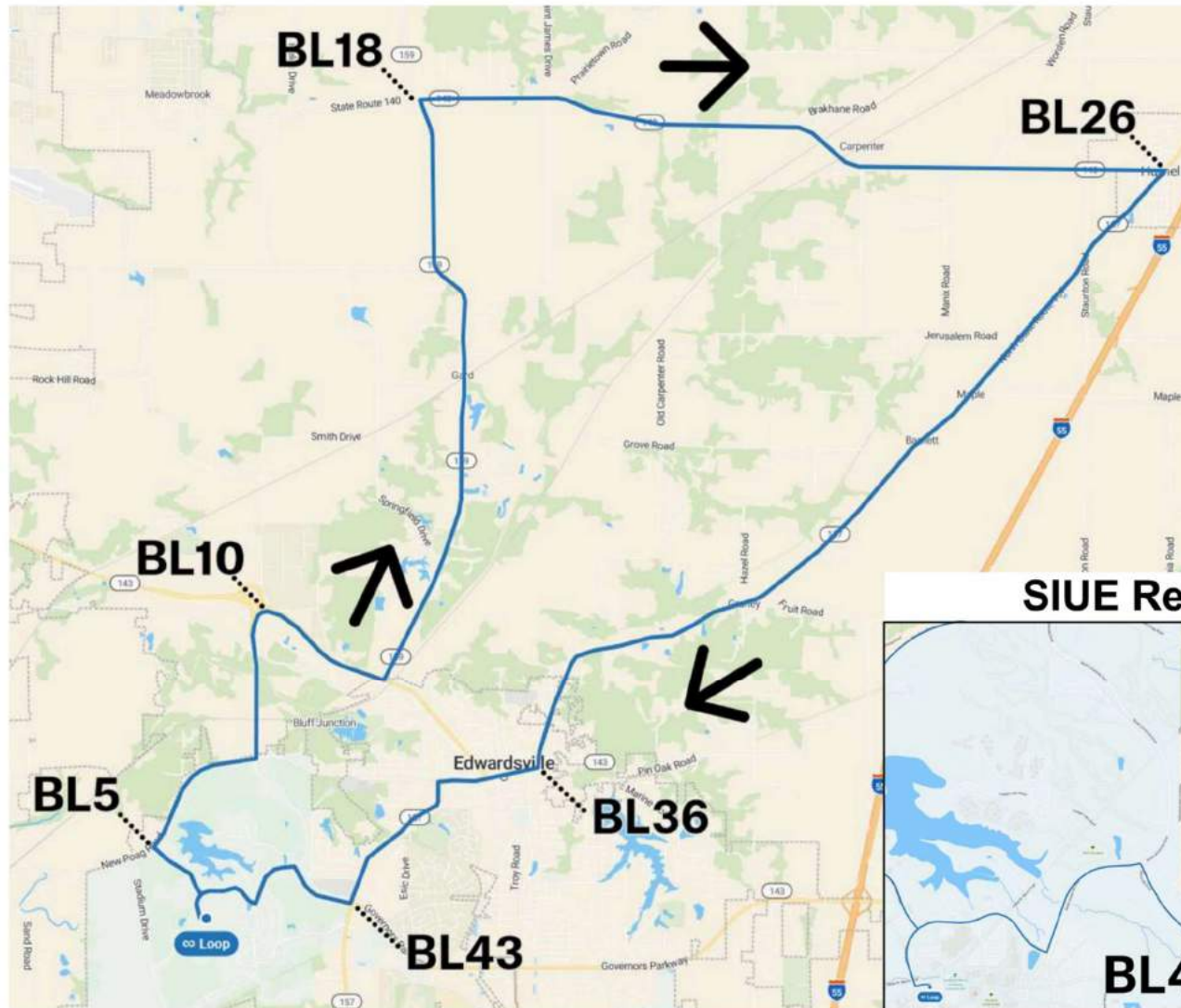
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 1	0.00		TURN LEFT at the stop sign onto the road exiting Parking Lot E	Leaving SIUE Lot E	1	25	paved	
BL 2	0.10	0.10	TURN RIGHT at Stop Sign onto Circle Drive	Note: 2-way solar car traffic with teams returning at the end of the loop until the next route step.	1	25	paved	
BL 3	0.30	0.20	TURN LEFT onto NW University Drive No SL or stop sign! First possible left.		1	25	none	
BL 4	0.50	0.25		SL for fire dept building, SIUE water tower on right				
BL 5	0.90	0.40	TURN RIGHT at SL onto New Poag Road		1	45	paved	
BL 6	2.00	1.10		Begin divided highway	2			
BL 7	2.20	0.20	TURN LEFT at Stop Sign (all-way with flashing red) onto N University Dr/SIU Northern Access Rd	Big SIUE sign on the right	2	55	paved, wide	
BL 8	2.90	0.70		Cahokia Creek				
BL 9	3.30	0.40	EXIT RIGHT onto the ramp for IL-143 East towards Edwardsville		1		paved	
BL 10	3.60	0.30	Merge onto IL-143 East		2	55		
BL 11	4.20	0.60		Redbud - DRDA Lane. Left lane ends ahead				
BL 12	4.60	0.40				40		
BL 13	4.80	0.20	TURN LEFT at SL onto IL-159 North towards Bunker Hill	Moto gas on right corner	1	55	none	fuel
BL 14	5.70	0.90		Summer Point/Roman Hills Rd			grass	
BL 15	6.70	1.00		Fox Creek Drive, golf course to right				

Edwardsville Optional Loop



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 16	7.50	0.80		Bridge over RR tracks				
BL 17	8.10	0.60		St. James cemetery on right				
BL 18	10.20	2.10	TURN RIGHT at SL onto IL-140 East toward Greenville		1	55	gravel	
BL 19	11.30	1.10		St. James Dr, access to Holiday Shores to left				
BL 20	12.20	0.90		Paddock Creek				
BL 21	13.50	1.30		Brakhane Rd				
BL 22	13.80	0.30		Bridge over RR tracks				
BL 23	14.00	0.20		Another Bridge over RR tracks				
BL 24	16.20	2.20		Staunton Rd, sign Worden 3 miles to left				
BL 25	16.50	0.30		Entering Hamel , Elementary School on right	1	35	none	
BL 26	16.90	0.40	TURN RIGHT at Stop Sign (all-way with flashing red) onto Old Route 66 / IL-157 South towards Edwardsville	Route 66 Creamery on right				
BL 27	17.00	0.10		Huge Illinois Route 66 sign on right		35		
BL 28	17.40	0.40		Speed change just before Park Ave/Trotter Dr		45		
BL 29	17.60	0.20				55		
BL 30	18.90	1.30		Bike crossing, Jerusalem Rd				
BL 31	22.30	3.40		Hazel Rd				
BL 32	23.40	1.10		Old Carpenter Rd	1		paved	
BL 33	23.90	0.50		Road Curves Left. Pullout on Right.				
BL 34	24.20	0.30		Entering Edwardsville , pop 26600		40		
BL 35	24.50	0.30		Speed change just after Ann St, Madison County Farm Bureau on left		30		
BL 36	24.90	0.40	TURN RIGHT at SL onto Vandalia St to follow IL-157/IL-143 South	Jct IL-143	1	30	curb	
BL 37	25.20	0.30		SL for Buchanan St				

Edwardsville Optional Loop



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
BL 38	25.30	0.10	CONTINUE STRAIGHT at SL for Main St on Vandalia St and IL-157	IL-143 splits off right, Historic Route 66 sign				
BL 39	25.80	0.50	TURN LEFT at SL onto West St to continues to follow IL-157. Signs for Historic Route 66					
BL 40	26.00	0.20		SL for Schwarz St, Middle School on right, Huge Route 66 Sign on far left side of intersection	2	45		
BL 41	26.50	0.50		SL for Esic Dr				
BL 42	27.00	0.50		SL for Lewis Road to the right/University Dr to the left, cemetery and memorial on far right side of intersection Pay attention: multiple roads with "University Drive" - turn is at next one with "E" University Drive				
BL 43	27.20	0.20	TURN RIGHT at SL onto E University Drive	Big Southern Illinois University Edwardsville signs on near and far right corners.	1		paved, wide	
BL 44	27.80	0.60	TURN LEFT at SL onto N University Drive	The Gardens at SIUE on far corner	1	35	paved	
BL 45	28.10	0.30				25		
BL 46	28.40	0.30	TURN RIGHT onto N Circle Drive					
BL 47	29.20	0.80	TURN LEFT into Parking Lot E					

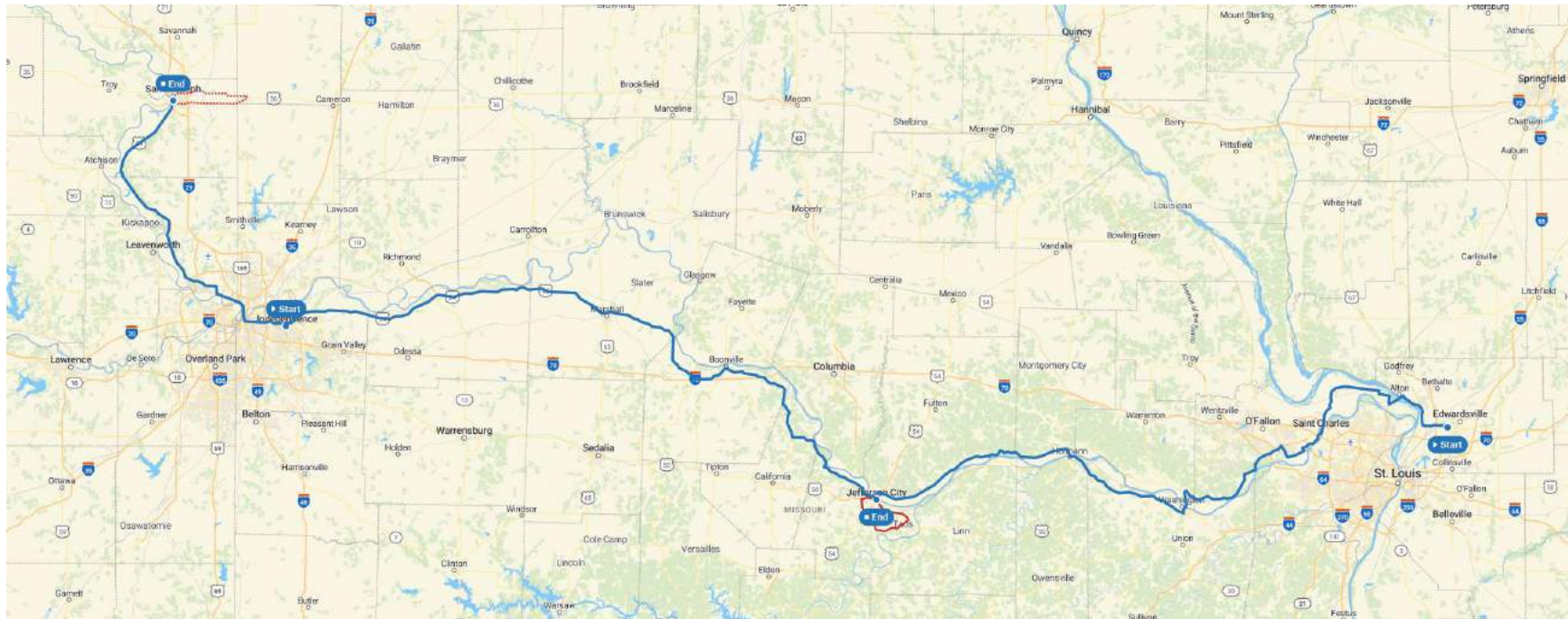
STAGE 2

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Edwardsville, IL – St. Joseph, MO

July 22 – 23

STAGE 2 ROUTE OVERVIEW



Segment C	Base Leg C	Edwardsville, IL – Jefferson City, MO	164.2 miles
	Optional Loop CL	Jefferson City Loop	28.2 miles
Segment D	Base Leg D	Jefferson City, MO – Independence, MO	156.6 miles
Segment E	Base Leg E	Independence, MO – St. Joseph, MO	74.0 miles
	Optional Loop EL	St. Joseph Loop	32.8 miles

STAGE 2 TIMING OVERVIEW

Time Zone	Central Time (24 Hour Format)		
Stage Start	Southern Illinois University Edwardsville (SIUE), Lot E 44 Circle Dr, Edwardsville, IL 62025	Nominal Start Time	09:00, July 22
Checkpoint	Missouri State Capitol 201 W Capitol Ave, Jefferson City, MO 65101 Mandatory Hold Time: 45 Minutes	Open Time	12:15, July 22
		Earliest Release Time	15:45, July 22
		Driving Resumption Time	16:00, July 22
		Close Time	16:00, July 22
Optional Loop	Jefferson City Loop	Loop Close Time	16:15, July 22
Checkpoint	Independence Uptown Market 211 W Truman Rd, Independence, MO 64050 Mandatory Hold Time: 45 Minutes	Open Time	09:30, July 23
		Earliest Release Time	10:15, July 23
		Driving Resumption Time	10:30, July 23
		Close Time	14:15, July 23
Stage Finish	Pony Express National Museum 914 Penn St, St. Joseph, MO 64503	Open Time	11:45, July 23
		Nominal Close Time	18:00, July 23
Optional Loop	St. Joseph Loop		

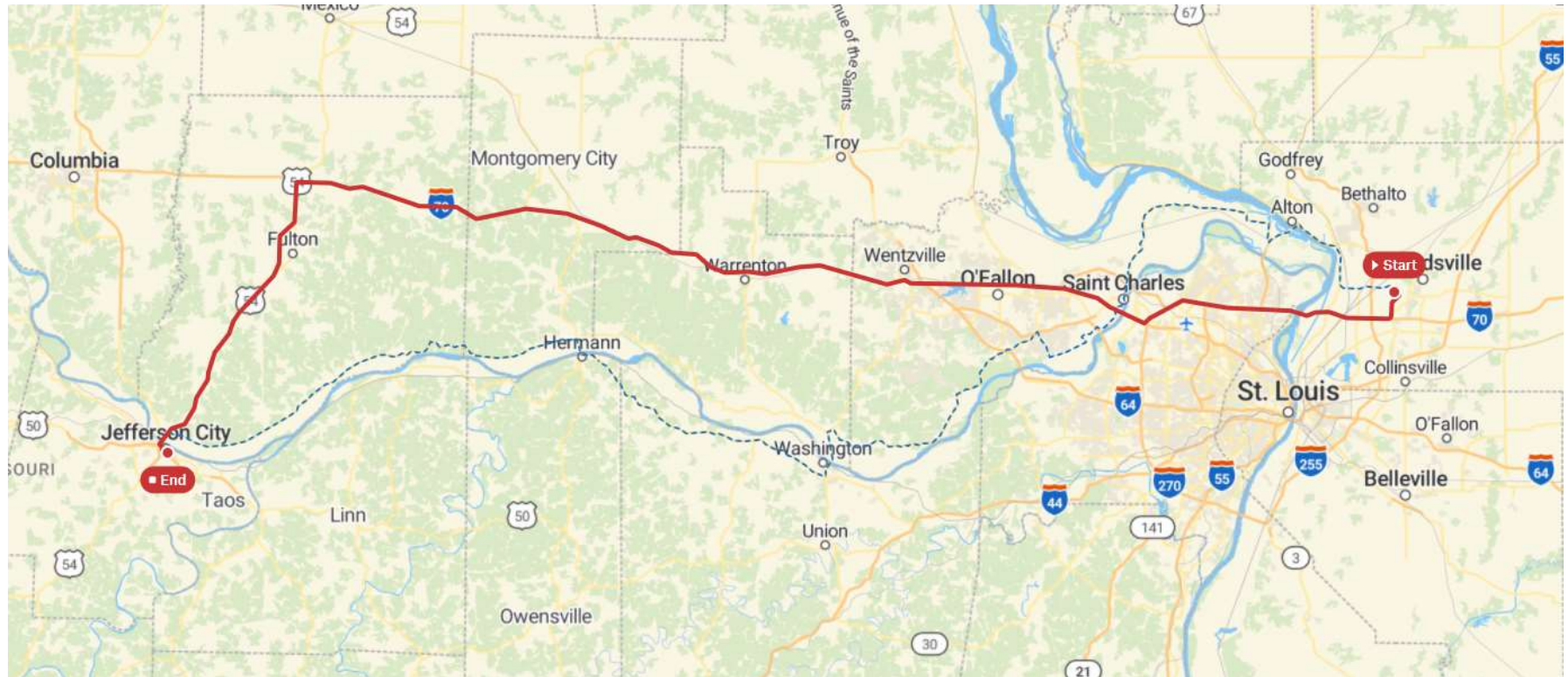
STAGE 2 SEGMENT C

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Edwardsville, IL – Jefferson City, MO

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Support Route in solid red – Solar Car Route shown in dotted line for reference

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

SUPPORT VEHICLE ROUTE

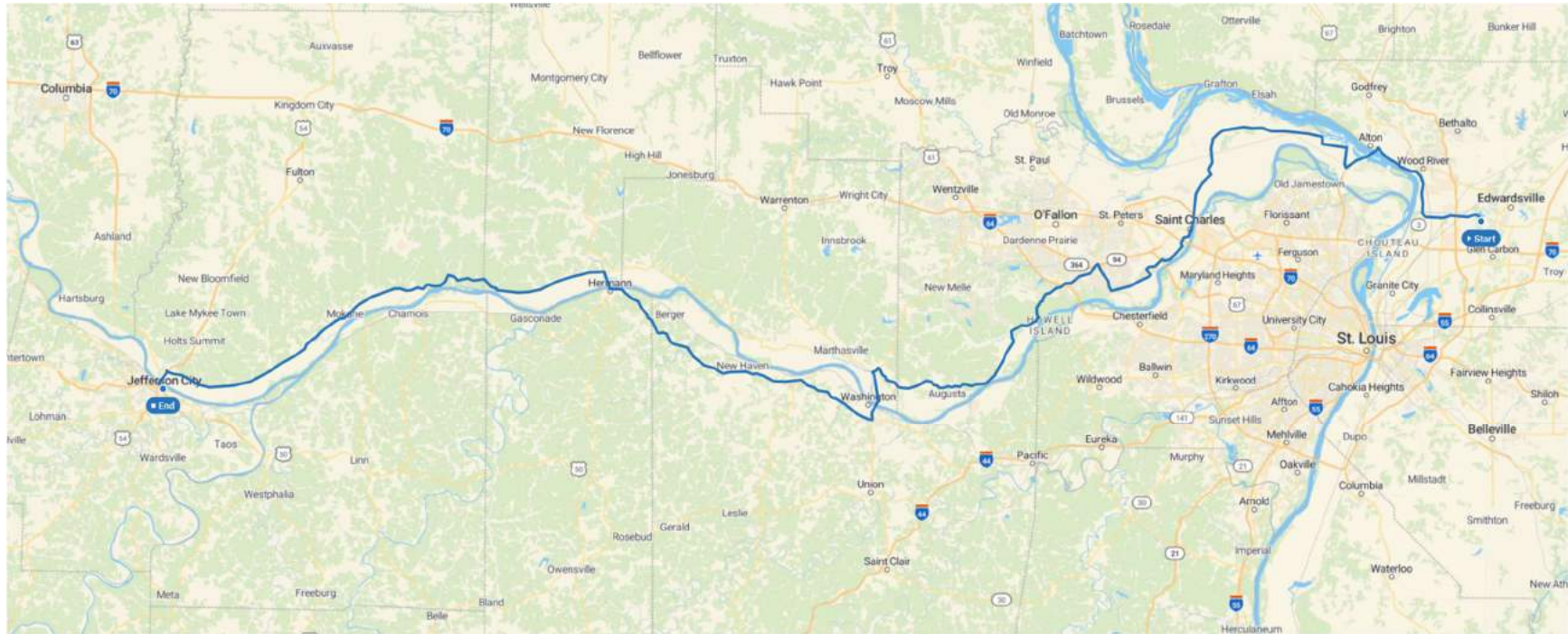
(NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	Exit Lot E and TURN LEFT onto Circle Drive	Opposite direction of solar car caravans
0.7 mi	TURN RIGHT at the Stop Sign onto University Drive	
2.6 mi	TURN RIGHT to get onto I-270 West towards St Charles	
23.6 mi	EXIT RIGHT using the right two lanes at Exit 20 and then KEEP RIGHT onto Exit 20B for I-70 West towards Kansas City	
85.1 mi	EXIT RIGHT at Exit 148 for US-54 with signs to Auxvasse / Mexico / Fulton.	
0.2 mi	TURN LEFT at the SL at the top of the exit onto US-54 West toward Jefferson City	
28.4 mi	Cross under US-63/MO-94, joining solar car route at Step C223	Joining Solar Car Route
1.2 mi	Continue on US-63/MO-64 past Main St	Leaving Solar Car Route
0.1 mi	EXIT RIGHT for McCarty St	Second Exit after crossing River
500 ft	TURN LEFT at the SL onto McCarty St	
0.5 mi	Arrive at Support Parking - 320 E McCarty St	Follow staff directions

Approx. 142 miles (2 hr, 8 min)

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

SOLAR CAR ROUTE OVERVIEW



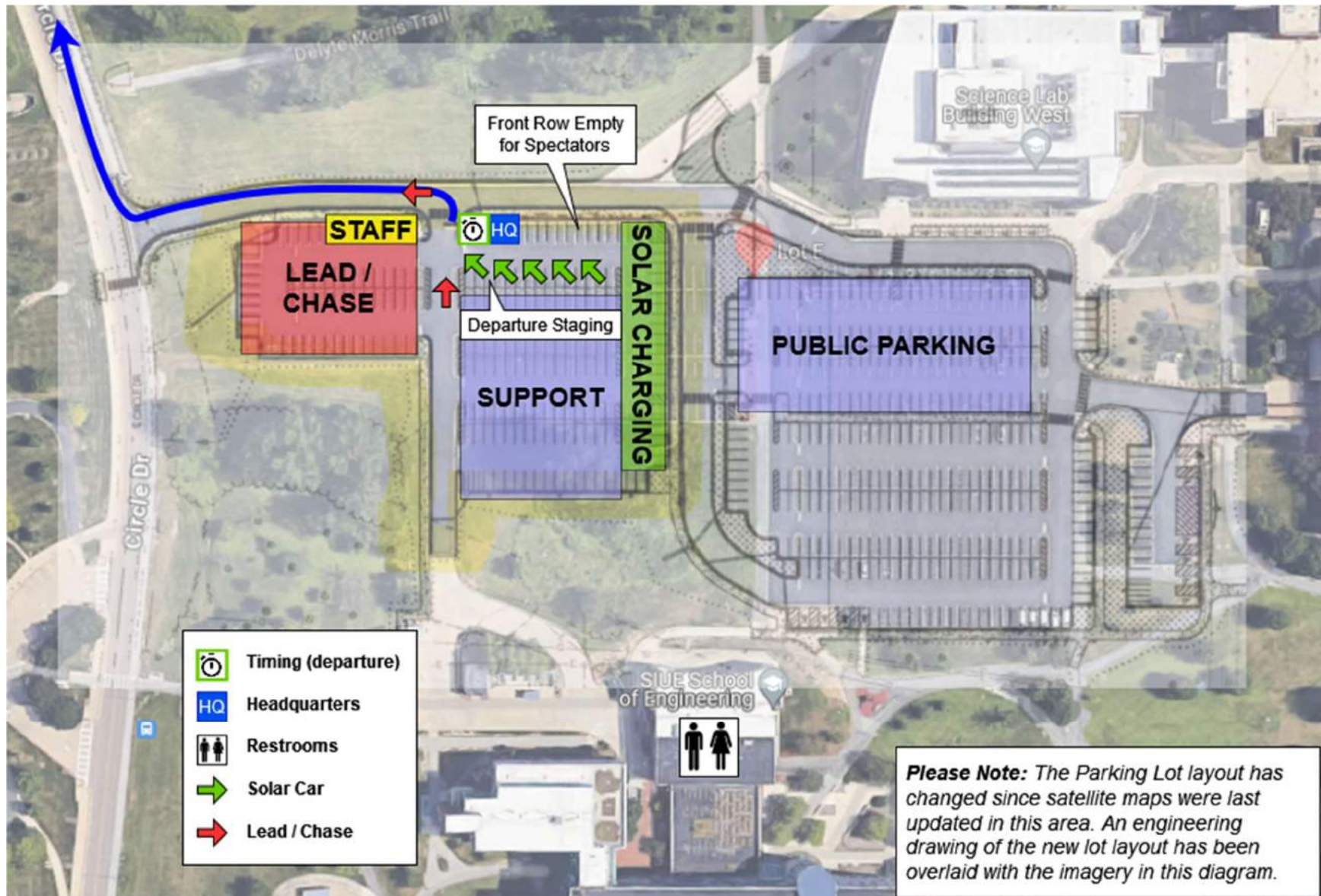
SEGMENT C EDWARDSVILLE, IL – JEFFERSON CITY, MO

STAGE START:
Southern Illinois University Edwardsville (SIUE), Lot E
44 Circle Dr, Edwardsville, IL 62025

CHECKPOINT:
Missouri State Capitol
201 W Capitol Ave, Jefferson City, MO 65101

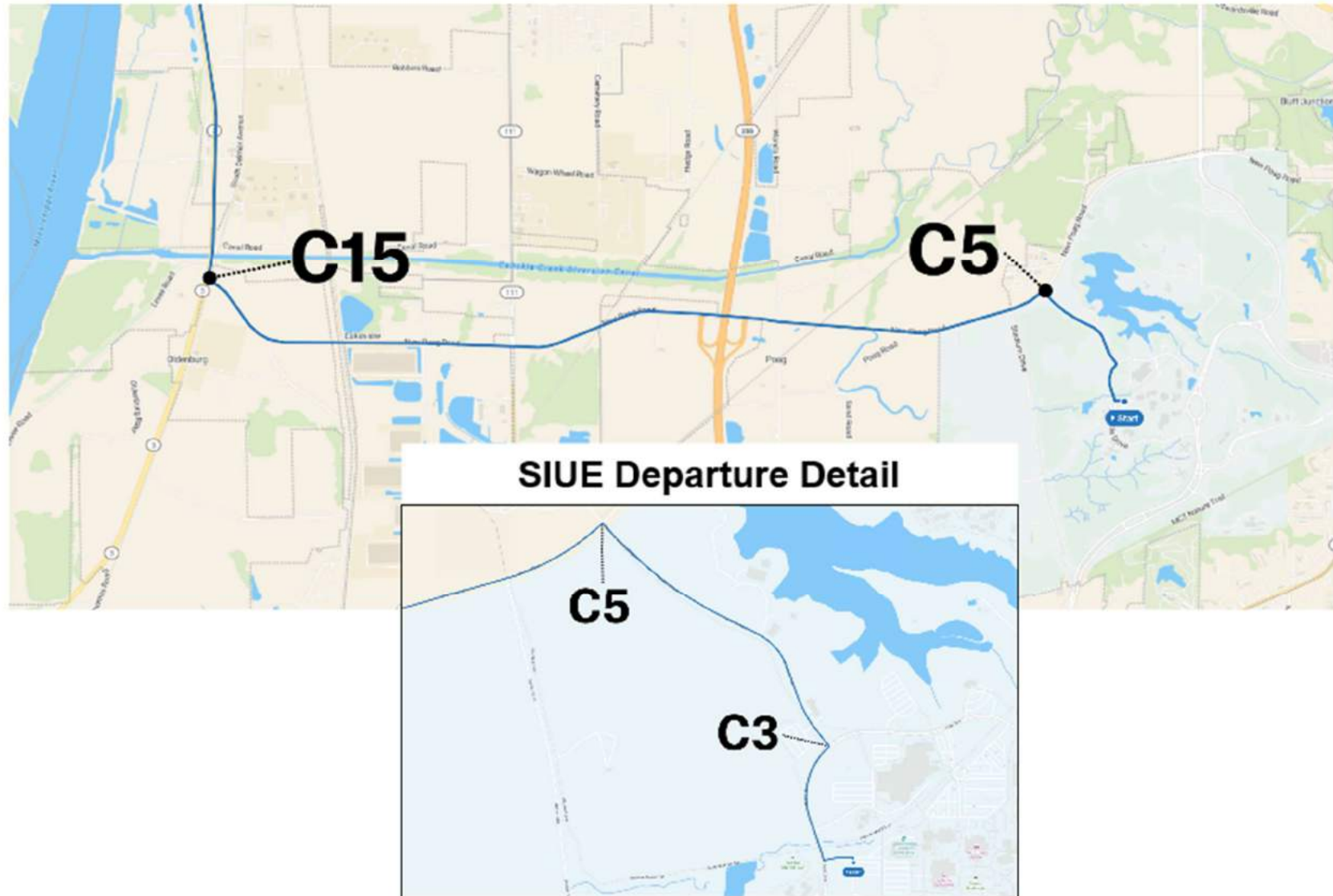


See America by National Historic Trail



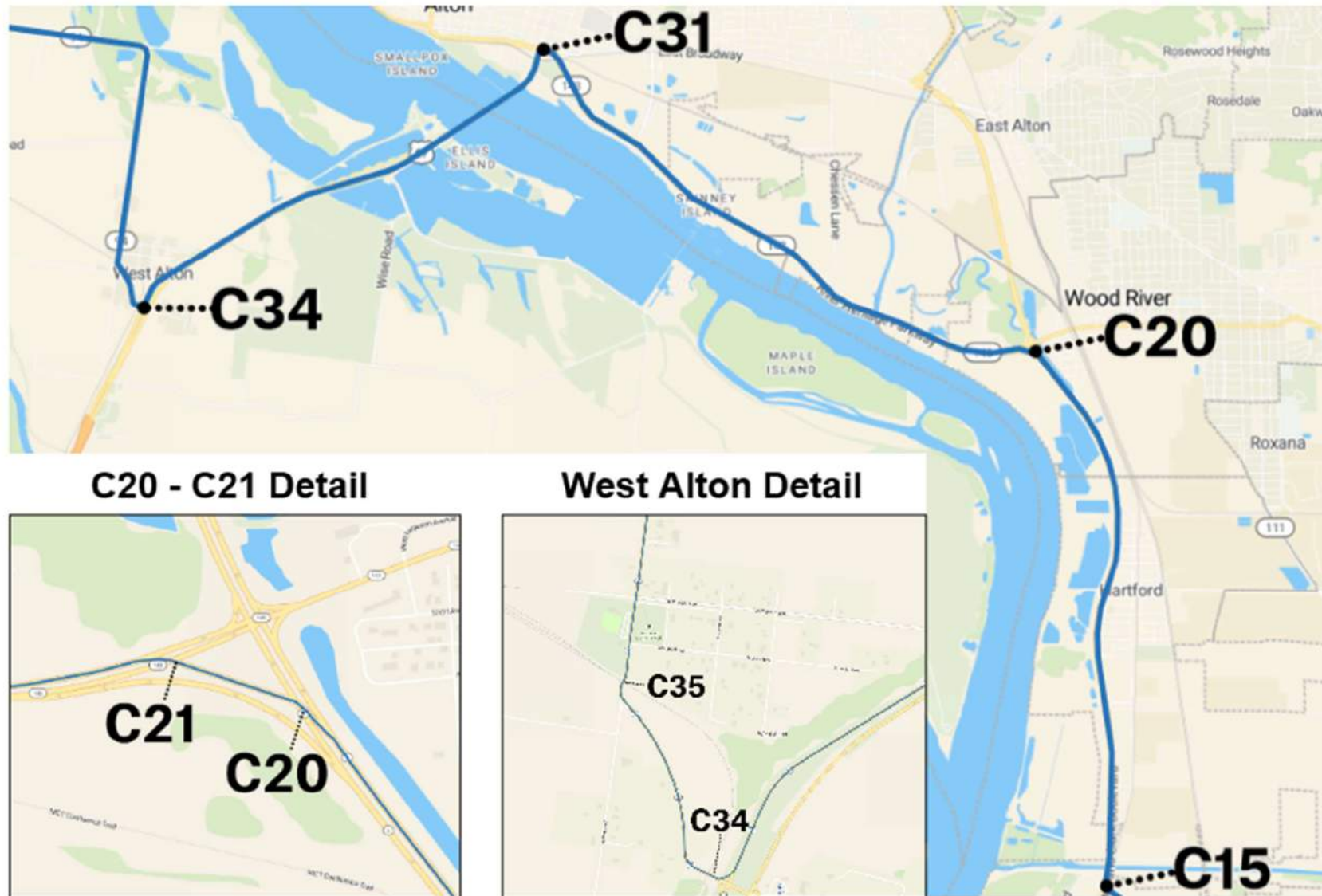
Stage Start – Southern Illinois University Edwardsville (Lot E) – Edwardsville, IL

C1 - C16 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 1	0.00		TURN LEFT at the stop sign onto the road exiting Parking Lot E	Leaving SIUE Lot E	1	25	paved	
C 2	0.05	0.05	TURN RIGHT at Stop Sign onto Circle Drive		1	25	paved	
C 3	0.25	0.20	TURN LEFT onto NW University Drive No SL or stop sign! First possible left.		1	25	none	
C 4	0.50	0.25		SL for fire dept building, SIUE water tower on right				
C 5	0.90	0.40	TURN LEFT at SL onto New Poag Road		1	55	paved	
C 6	1.70	0.80		Poag Rd				
C 7	2.20	0.50		Bridge over RR tracks				
C 8	2.30	0.10				50		
C 9	2.60	0.30		IL-255 underpass	2			
C 10	3.10	0.50			1	55	paved	
C 11	3.50	0.40		RR tracks				
C 12	4.00	0.50		SL for IL-111				
C 13	4.90	0.90		Bridge over RR tracks				
C 14	5.30	0.40		Old Alton Rd				
C 15	5.90	0.60	TURN RIGHT at SL onto IL-3/Lewis & Clark Blvd toward Alton, RR tracks right before light	Lewis & Clark State Historical Site (Camp River Dubois) across street. DO NOT STOP ON THE TRAIN TRACKS. No right on red.	2	55	paved	
C 16	6.20	0.30		Lewis & Clark Confluence Tower on left, "Meeting of the great scenic rivers byway" sign on right				

C17 - C35 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 17	6.60	0.40		SL for Piasa Ln				
C 18	8.00	1.40		SL for Hawthorne St		55		
C 19	9.40	1.40	MERGE LEFT for left exit ahead	"Alton Riverfront next left" sign above				
C 20	9.70	0.30	EXIT LEFT onto the exit ramp for IL-143 West towards Alton Riverfront	SL at end of ramp to cross IL-3 southbound				
C 21	9.90	0.20		SL to cross IL-143 East		55		
C 22	10.20	0.30		SL for Enviro Way / Canal Rd	2		paved	
C 23	10.80	0.60		Entering East Alton , pop 6900				
C 24	10.90	0.10		Wood River Creek, Yellow Heron statue				
C 25	11.80	0.90		SL for Lock and Dam Way, National Great Rivers Museum and Lewis & Clark College on left				
C 26	12.70	0.90		Entering Alton				
C 27	13.00	0.30		SL for Cpl Chris Belchik Memorial Expy				
C 28	13.40	0.40				40		
C 29	13.60	0.20		SL for Discovery Pkwy				
C 30	13.90	0.30		SL for IL-140 / Broadway Con				
C 31	14.00	0.10	TURN LEFT at SL onto US-67 South toward St. Louis			50		
C 32	14.30	0.30		Cross Mississippi River, Clark Bridge	2	50	paved	
C 33	15.00	0.70		Welcome to Missouri , Entering West Alton , pop 350		55		fuel
C 34	17.40	2.40	TURN RIGHT at SL onto MO-94 West	Follow Lewis and Clark trail sign, one lane road. Narrow 12' 9" RR Underpass IMMEDIATELY after the turn	1	30	none	
C 35	17.80	0.40		1 lane underpass. 12' 9" clearance				

C36 - C57 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 36	18.30	0.50		See large chicken on right. Outside "The Grain Bin" Restaurant	1	55	paved	
C 37	19.30	1.00		Sharp left curve, continue to follow MO-94 West				
C 38	19.70	0.40		Stop sign for Alta Villa Rd	1		none	
C 39	21.50	1.80		Sharp curve to the right				
C 40	22.10	0.60		Sharp curve left, turnoff on right for Dresser Island Conservation Area				
C 41	23.20	1.10		Coal Truck entrance on right for power plant				
C 42	24.10	0.90		RR tracks			none	
C 43	27.00	2.90		Jct H/J, turnoff for Portage Des Sioux				
C 44	30.60	3.60		Rees Rd				
C 45	31.70	1.10		Grafton Ferry Rd, Airport to right, Lewis & Clark sign				
C 46	32.40	0.70		Jct V				
C 47	32.70	0.30		50mph speed limit sign bordered in red		50		
C 48	33.80	1.10		RR track				
C 49	33.90	0.10		Orchard Farm Fire Protection District on right		55		
C 50	34.50	0.60		Church Rd, white church with green roof on corner				
C 51	34.90	0.40		Trinity Lutheran School on right				
C 52	35.70	0.80	CONTINUE to follow MO-94 West	Sharp right bend at Jct H				
C 53	36.80	1.10		Blasé Station Rd / Wiedey Rd				
C 54	37.20	0.40				45		
C 55	37.60	0.40		Jct B, Golden Eagle Toll Ferry turnoff on right				
C 56	38.10	0.50		Sprint Kart track on left				
C 57	38.40	0.30		Speed change just before Joyce Dr		35	paved	

C58 - C76 Overview

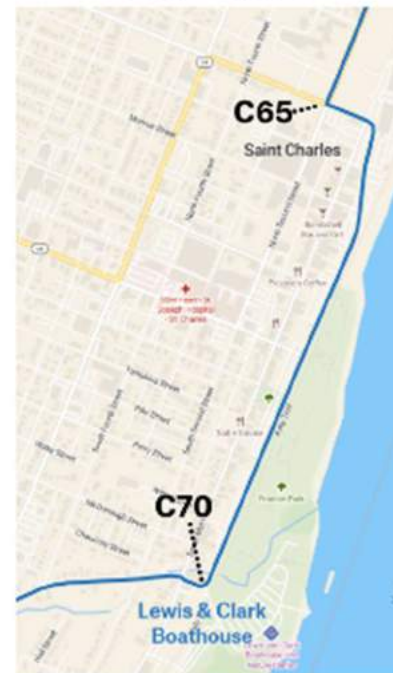


C62 Detail

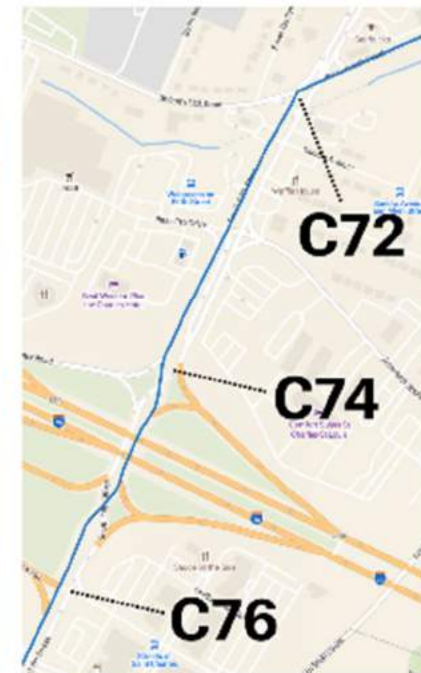


St. Charles Detail

C65 - C71

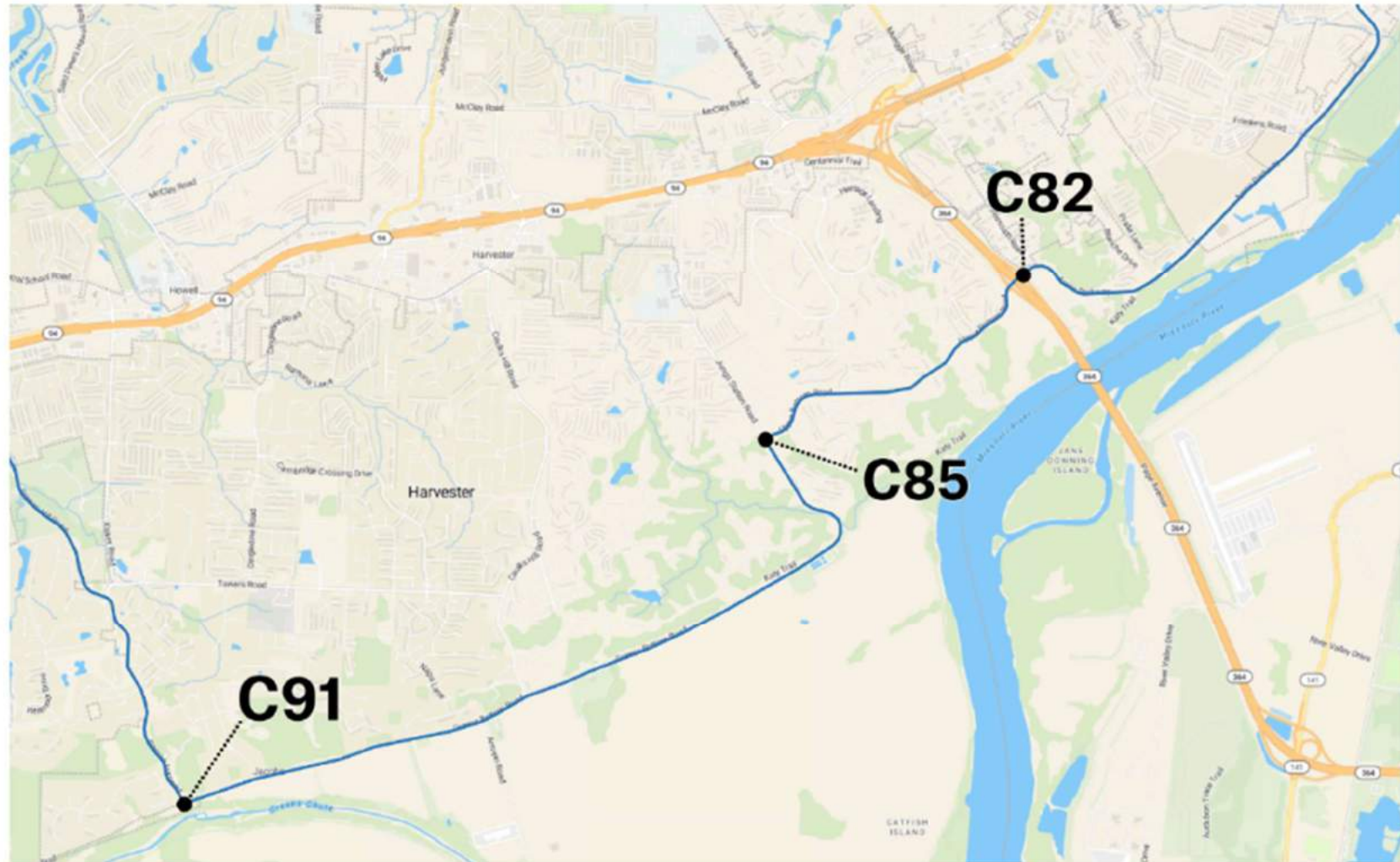


C72 - C76



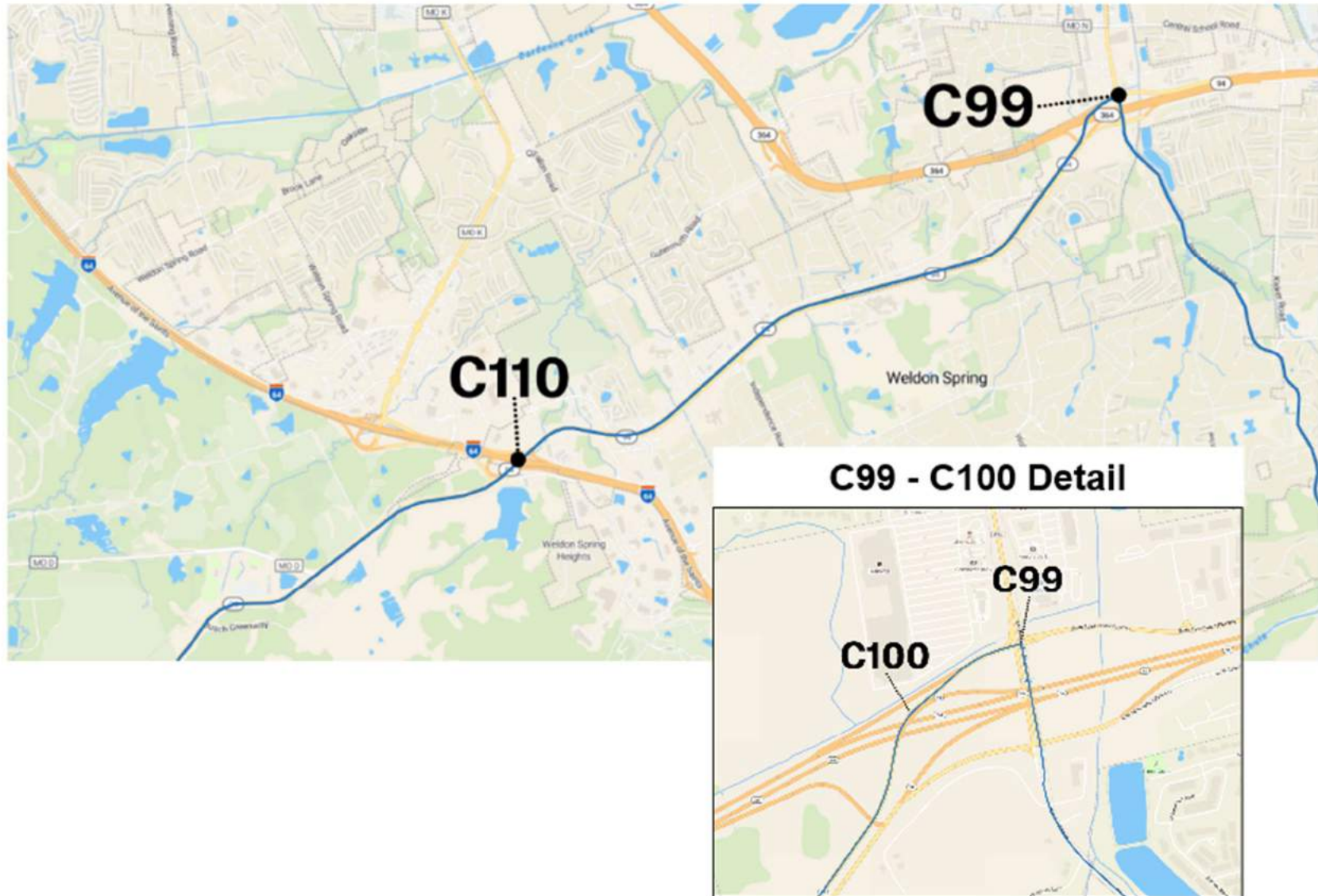
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 58	38.90	0.50		SL for Fox Hill Rd / St. Croix St			none	fuel
C 59	39.40	0.50		SL for Little Hills Expwy	2			food
C 60	39.55	0.15		SL for MO-370 West ramps				
C 61	39.70	0.15		SL for MO-370 East ramps				
C 62	40.10	0.40	TAKE 2ND EXIT of roundabout to continue to follow MO-94 West			30		
C 63	40.75	0.65		RR track				
C 64	40.80	0.05		Stop sign (all-way) for Morgan St				
C 65	41.00	0.20	TURN LEFT at Stop Sign (all-way) onto Clark St	Do NOT follow Lewis & Clark and MO-94 signs that go right				
C 66	41.10	0.10		Stop sign (all-way) for Main St				
C 67	41.15	0.05	FOLLOW RIGHT Curve, now on Riverside Dr					
C 68	41.50	0.35		Stop sign (all-way) for First Capitol Dr, Katy Trail State Park on left		25	parking	
C 69	41.80	0.30		Lewis and Clark Monument on left, Frontier Park				
C 70	41.95	0.15	FOLLOW RIGHT Curve onto Boone's Lick Rd	Riverside Dr, turnoff for Lewis and Clark Boat House and Museum on left				
C 71	42.00	0.05		Stop sign (all-way) for Main St	1	25	curb	
C 72	42.30	0.30	TURN LEFT at SL onto 5th St	Two Left Turn Lanes, recommend using right one	3	35		
C 73	42.40	0.10	CONTINUE STRAIGHT on 5th St. Use right two lanes.	SL for Ameristar Blvd / Bass Pro Dr				
C 74	42.55	0.15	CONTINUE STRAIGHT following signs for Fifth St through the diverging diamond interchange.	SL for entering diverging diamond interchange. Right two lanes are for Fifth Street				
C 75	42.70	0.15		SL for exiting diverging diamond interchange.	2			
C 76	42.80	0.10		SL for Lombard St				

C77 - C95 Overview



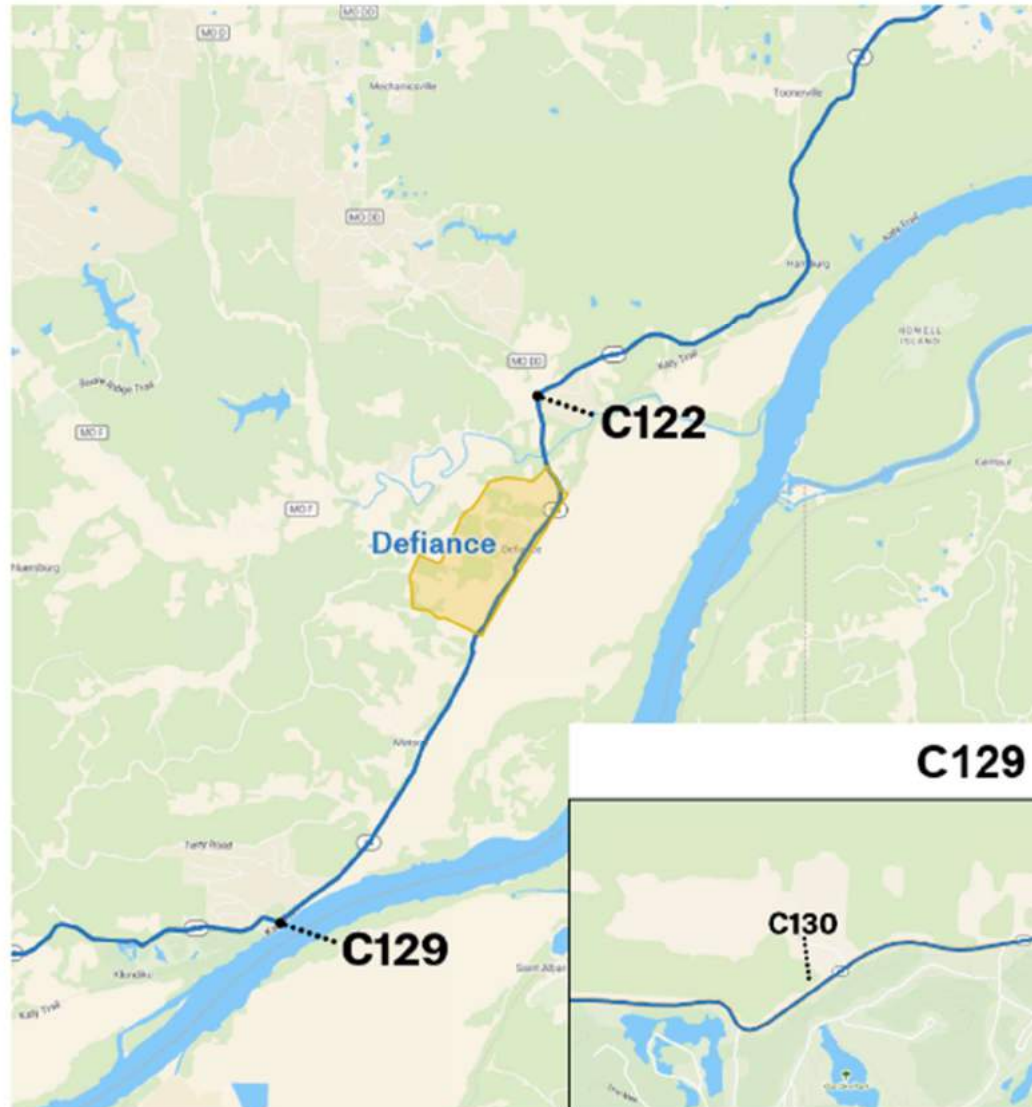
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 77	42.90	0.10		SL for Camelback Rd	2	35		fuel
C 78	43.00	0.10	CONTINUE STRAIGHT on River Rd	SL for Main St/Fifth St				
C 79	43.80	0.80	CONTINUE STRAIGHT on Arena Pkwy / River Rd	SL for Friedens Rd				
C 80	44.40	0.60		SL for N Arena Entrance, Family Arena on left				
C 81	44.50	0.10	CONTINUE STRAIGHT	SL for S Area Entrance/River Rd	2	45	paved	
C 82	45.70	1.20		SL for MO-364 West Ramps (exit 14)				
C 83	45.80	0.10		SL for MO-364 East Ramps		35	curb	fuel
C 84	46.20	0.40	CONTINUE STRAIGHT on Upper Bottom Rd	SL Old Upper Bottom Rd, right lane must turn right	1			
C 85	47.50	1.30	TURN LEFT at SL onto Jungs Station Rd		1	35	curb	
C 86	48.20	0.70	FOLLOW RIGHT Curve to continue on Greens Bottom Rd	Cross Katy Trail (watch for pedestrians/cyclists)				
C 87	48.30	0.10				45		
C 88	49.40	1.10		Green Bottom Rd MO bike trail station on Katy Trail on left (watch for pedestrians/cyclists)				
C 89	50.10	0.70		All way stop sign at Caulks Hill Rd				
C 90	50.30	0.20		Speed change shortly after Amrein Rd	1	40	paved narrow	
C 91	52.00	1.70	Very sharp right bend, continue onto Pitman Hill Rd	Parking on corner, trail crossing (watch for pedestrians/cyclists)				
C 92	52.40	0.40		Weldon Spring sign				
C 93	52.60	0.20		Speed change just after Windcastle Dr		35		
C 94	53.20	0.60		Stop Sign (all-way) for Towers Rd/Northgate Ln	1	35	curb	
C 95	54.10	0.90		Stop Sign for Sammelmann Rd				

C96 - C113 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 96	54.50	0.40		Entering St. Peters . Pedestrian bridge on right				
C 97	54.60	0.10		Gain 2nd lane, use left lane. Hoffman Heritage Ln on left.	2			
C 98	54.70	0.10		SL for St Peters Pkwy, MO-94 East / MO-364 East				
C 99	54.80	0.10	TURN LEFT at SL for MO-94 West ramp, IMMEDIATELY KEEP LEFT on the ramp to follow the left fork for MO-94 West	Ramp Splits to right for MO-364				
C 100	54.95	0.15	Merge onto MO-94 West		2	55		
C 101	55.10	0.15		SL for MO-364 exit ramp (exit 8A), use left two lanes	3			
C 102	55.40	0.30		SL for Westwood Dr/Florence Dr. Right Lane Must Turn Left	2		paved	
C 103	55.80	0.40		SL for Wolfrum Rd				
C 104	56.70	0.90		South Breeze Rd				
C 105	57.30	0.60		Independence Rd, DQ on far corner				food
C 106	57.50	0.20		SL for O'Fallon Rd, Centre Point Hospital				hospital, fuel
C 107	57.90	0.40		SL for Cedar Glen Drive				fuel
C 108	58.10	0.20		SL for Siedentop Rd				
C 109	58.25	0.15		Use Left two lanes	3			
C 110	58.50	0.25	CONTINUE STRAIGHT on MO-94 West MERGE LEFT, right lane ends ahead	2 SLs for Jct I-64 (exit 10) / US-40 / US-61	2			
C 111	58.80	0.30		SL for South Outer Rd	1		gravel	
C 112	59.80	1.00		SL for Route D				
C 113	60.20	0.40		SL for Francis Howell High School on right				

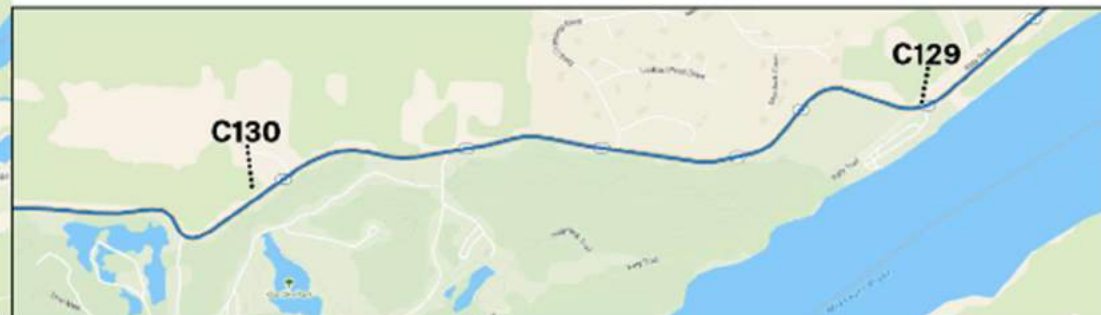
C114 - C130 Overview



Defiance Detail

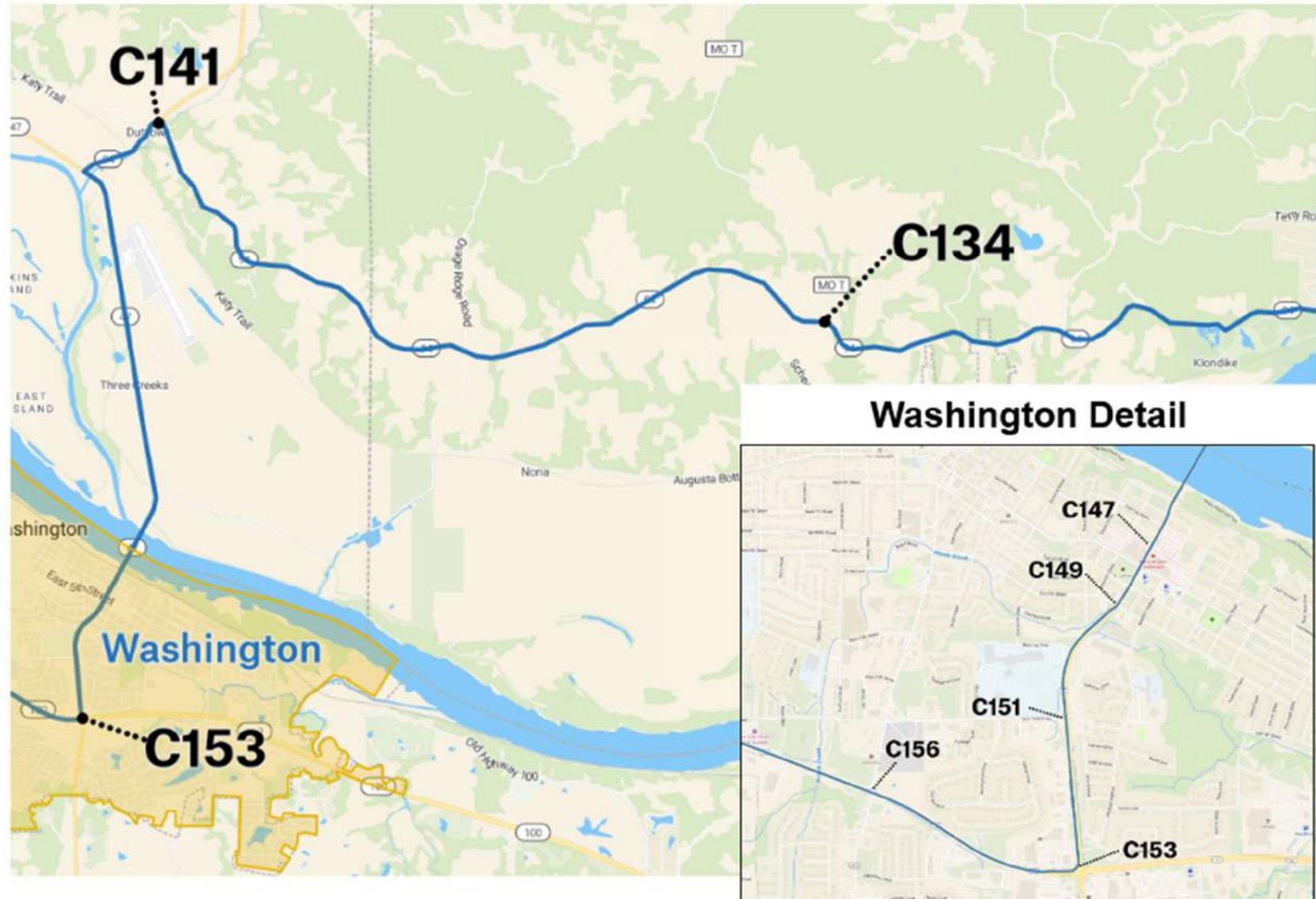


C129 - C130 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 114	60.70	0.50		Weldon Spring Site Interpretive Center on right			narrow	
C 115	61.10	0.40		Lewis & Clark Hiking Trail, Weldon Spring Trailhead parking on left				
C 116	61.80	0.70		Pulloff on right, gravel parking lot. Short paved pull-off on right in 500ft				
C 117	62.90	1.10		Another pulloff on right with gravel parking lot				
C 118	63.20	0.30		Scenic view to left, pullout gravel				
C 119	63.30	0.10		Water treatment plant on right				
C 120	63.80	0.50		Weldon Spring Conservation Area turnoff, Katy Trail State Park				
C 121	64.80	1.00		"Weldon Spring Conservation Area" sign on left				
C 122	65.70	0.90	Very tight left curve, continue to follow MO-94 West	Jct DD				
C 123	66.90	1.20		Entering Defiance		30	none	
C 124	67.40	0.50	FOLLOW tight left-to-right S-Curve to stay on MO-94 West	Katy Trail Matson Trailhead (gravel parking) ahead on left				
C 125	67.80	0.40		Tight curves next half mile		55		
C 126	68.30	0.50		Cross Katy Trail (watch for pedestrians/cyclists)				
C 127	69.20	0.90		Katy Trail Park, Matson Trailhead (parking lot, picnic shelter, restrooms)				
C 128	70.20	1.00		Two grain silos on right painted with big sunflower murals				
C 129	71.30	1.10		Historical marker on left, Klondike Park boat ramp. Sharp right corner, watch for pedestrians/cyclists.				
C 130	72.10	0.80		Klondike Park on left, large curvy uphill ahead! Very hilly section to Dutzow	1		none / guardrail	

C131 - C150 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 131	73.30	1.20		Montelle Winery on right (big parking lot), steep downhill grades afterward				
C 132	73.80	0.50		"Outlaw Oaks" on left				
C 133	75.10	1.30		Augusta Volunteer Fire Dept on right				
C 134	76.00	0.90		Jct T				
C 135	76.20	0.20		Large Gravel pulloff on left, in front of church				
C 136	79.20	3.00		Osage Ridge Rd				
C 137	80.00	0.80		Entering Warren County	1		none	
C 138	80.70	0.70		Entering Dutzow		45		
C 139	81.30	0.60		St Vincent Parish on left				
C 140	82.00	0.70		Blumenhof Winery on left		30		
C 141	82.60	0.60	TURN LEFT at Stop Sign to continue on MO-94 West	Jct TT, CAUTION: cross traffic does not stop!	1	25	none	
C 142	82.90	0.30		Speed change after Katy Trail State Park parking		45		
C 143	83.20	0.30	TURN LEFT at SL onto MO-47 South	<i>Route to cross the Missouri River and follow the Lewis & Clark trail on the south side of the river to Hermann</i>	1	55	paved	
C 144	84.00	0.80		Washington Regional Airport on left				
C 145	86.30	2.30		Cross Missouri River, Washington Bridge. Entering Franklin County		40	paved	
C 146	86.60	0.30		Entering Washington	1	30	curb	
C 147	86.70	0.10		SL for 3rd St	2			
C 148	86.80	0.10		SL for 5th St				hospital
C 149	86.90	0.10		SL for 8th St		45		
C 150	87.10	0.20		SL for Blue Jay Dr, Washington High School on right				

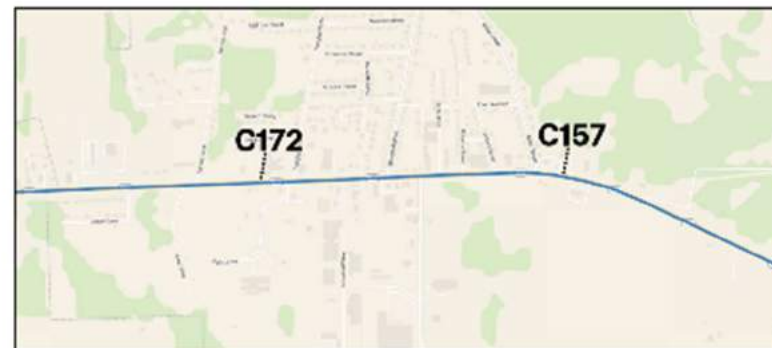
C151 - C173 Overview



Washington Detail



New Haven Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 151	87.30	0.20		SL for 14th St / Duncan Ave				
C 152	87.50	0.20		SL for Heritage Hills Dr				
C 153	87.80	0.30	TURN RIGHT at SL for Route 100 onto MO-100 West	Walgreens on right, Lewis & Clark trail sign after turn	2	45	paved	
C 154	88.00	0.20		SL for Washington Crossing				
C 155	88.20	0.20		SL for Bedford Center Dr				
C 156	88.50	0.30		SL for Hwy A / Jefferson St				
C 157	88.60	0.10		Speed change at start of bridge over small creek		55		
C 158	89.00	0.40	MERGE LEFT, right lane ends ahead	SL for High St, Iron Spike Model Train Museum on corner				fuel
C 159	89.50	0.50		SL for Pottery Rd / Clay St	1			
C 160	90.10	0.60		SL for West Pride Dr, Washington West Elementary				
C 161	90.90	0.80		SL for Bluff Rd				fuel
C 162	91.50	0.60		Jct KK				
C 163	94.70	3.20		Bluff Rd, turnoff for New Port Presbyterian Church			none	
C 164	95.80	1.10		Jct MO-185				
C 165	97.50	1.70		Lyndon Ebker Memorial Bridge			paved	
C 166	99.70	2.20		Entering New Haven (Pop 2089), large water tower ahead on left		45		
C 167	100.50	0.80		Speed change just after Dwayne Von Behren Rd, before BP station on right		35		
C 168	100.60	0.10		Flashing yellow light for Miller St				fuel
C 169	100.80	0.20		Jct C				
C 170	100.90	0.10		Flashing yellow light for Maupin Ave				
C 171	101.10	0.20		Flashing yellow light for Park Dr				
C 172	101.20	0.10		Go under pedestrian bridge "New Haven est. 1856"		40		
C 173	101.70	0.50		New Haven Farm & Feed on right		55		

The image is a composite map showing the route of the C190 trail. The main map shows the trail starting near Marathon, Texas, crossing the Rio Grande, and passing through Hermann, Missouri. Two inset maps provide details: 'C190 Detail' shows the trail near Marathon, and 'Hermann Detail' shows the trail through Hermann, Missouri, highlighting segments C186 and C182.

Hermann Detail

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 174	101.90	0.20		Jct E				
C 175	103.20	1.30		Kaiser Hill Rd / Olive Rd				
C 176	104.10	0.90		Sandy's Lake on left				
C 177	107.00	2.90		Diederich Rd			none	
C 178	107.90	0.90		Jct VV				
C 179	109.70	1.80		Jct Z				
C 180	113.40	3.70		Oak Glenn Winery on right				
C 181	114.30	0.90		Entering Hermann (Pop 2185)		50		
C 182	115.20	0.90		Speed change just before Hermann Farm Rd, Reserve Cellars Winery on left. Gravel Pulloff on right. Missouri River beyond RR tracks to right		35		
C 183	115.50	0.30		Speed limit change at the end of the guardrail		30		
C 184	115.90	0.40		Gutenberg St, red caboose on corner, Lewis & Clark historical marker to right		25		
C 185	116.00	0.10		Stop sign (all-way) for Schiller St				
C 186	116.10	0.10	TURN RIGHT at Stop Sign (all-way) onto MO-19 North / Market St					
C 187	116.15	0.05		Cross Missouri River, Senator Christopher S Bond Bridge		45		
C 188	116.30	0.15		Entering Montgomery Country				
C 189	116.50	0.20		Hermann Sand & Gravel on right		55		
C 190	117.70	1.20	TURN LEFT onto MO-94 West Pay attention: no stop sign/light!	Left turn lane. Bar & Grill and gas station on far corner; you should cross the Loutre River immediately after turning. If you pass the Marathon gas station, you missed the turn.		55	none	fuel
C 191	118.40	0.70		"Heroes Way LCPL Erik R Heldt Marines" sign				

B177 - B196 Overview



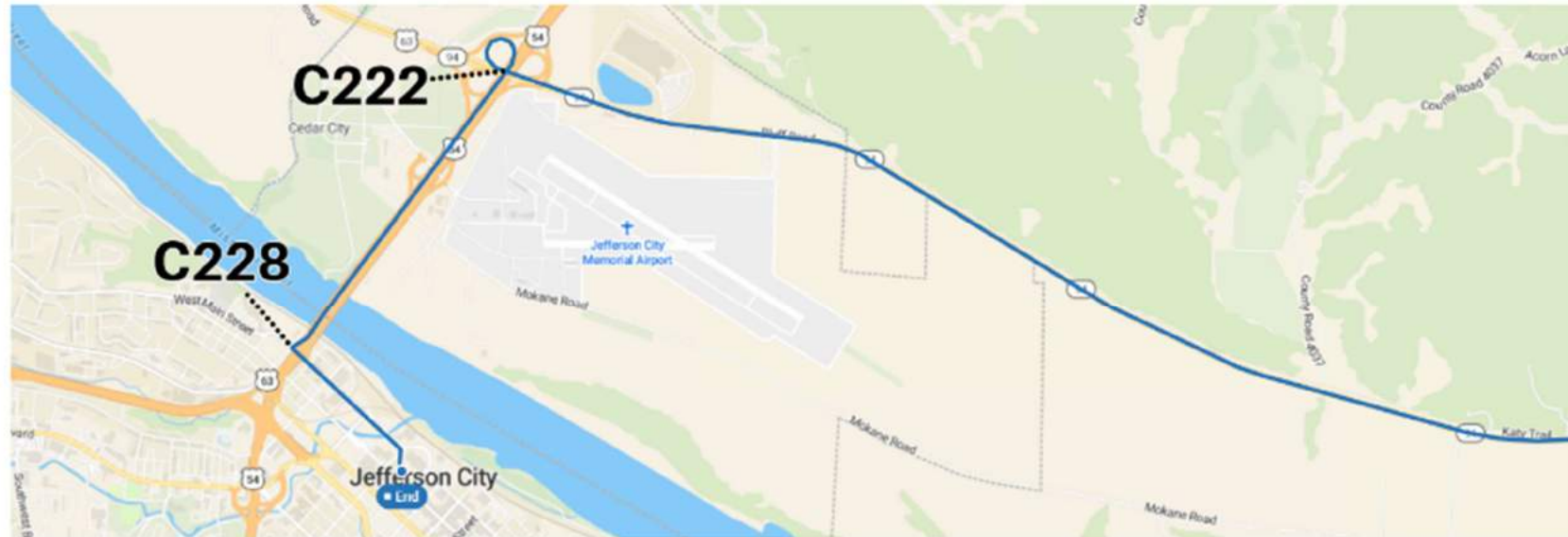
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 192	120.70	2.30		Hermann Municipal Airport to left				
C 193	121.10	0.40		Jct EE				
C 194	121.40	0.30		Katy Trail crossing, watch for bikes		45		
C 195	121.70	0.30		Rhineland to right and welcome sign, Holzum Dr/School House Rd		55		
C 196	121.90	0.20		Katy Trail crossing just after Mill St.				
C 197	122.50	0.60		Jct P				
C 198	127.70	5.20	FOLLOW RIGHT Curve to follow MO-94 West, followed by immediate sharp curve left	Katy Trail crossing just after turn				
C 199	127.90	0.20		Bluffton Rd / Grand Bluffs Conservation Area on right				
C 200	129.40	1.50		Entering Callaway County				
C 201	131.90	2.50		"AMVETS Memorial Highway" sign				
C 202	132.90	1.00	FOLLOW Sharp left bend to follow MO-94 West toward Portland	Recommended 15mph signs before the turn; almost a T-intersection rather than a curve in the road. Jct D	1	55	none	
C 203	133.80	0.90		Steep downhill grade sign on right				

C204 - C218 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 204	134.00	0.20		Entering Portland		45		
C 205	134.50	0.50				55		
C 206	135.90	1.40		Speed change around right bend just after bridge <i>Getting out of the curves and hills, much more frequent passing opportunities ahead</i>		60		
C 207	138.10	2.20		Reform Conservation Area to right				
C 208	139.80	1.70		Jct CC, Steedman to right		60		
C 209	140.60	0.80		Cross river, old RR bridge on right that is now part of Katy Trail				
C 210	143.10	2.50		Speed change at start of guard rail for a small bridge		50		
C 211	143.40	0.30		Jct C, Entering Mokane , Katy Trail State Park & Lewis & Clark historical marker to right				
C 212	143.70	0.30				60		
C 213	144.80	1.10		Jct PP				
C 214	148.10	3.30		CR 481				
C 215	149.40	1.30		Entering Tebbetts , CR 4011		50		lodging
C 216	150.00	0.60				60		
C 217	151.70	1.70		Jct AA				
C 218	155.90	4.20		CR 4031, Rivaux Creek	1		gravel	

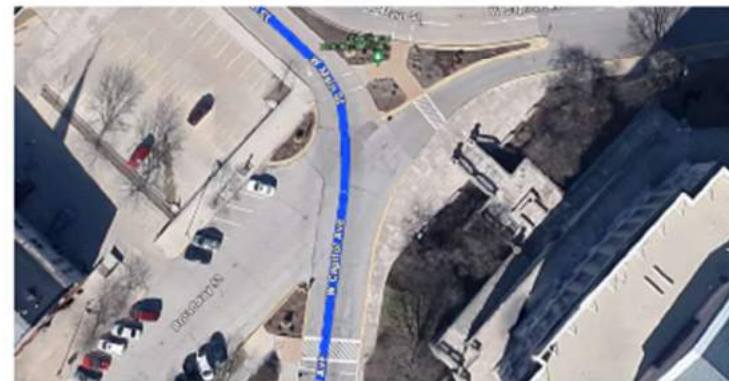
C219 to Checkpoint Overview



Jefferson City Detail

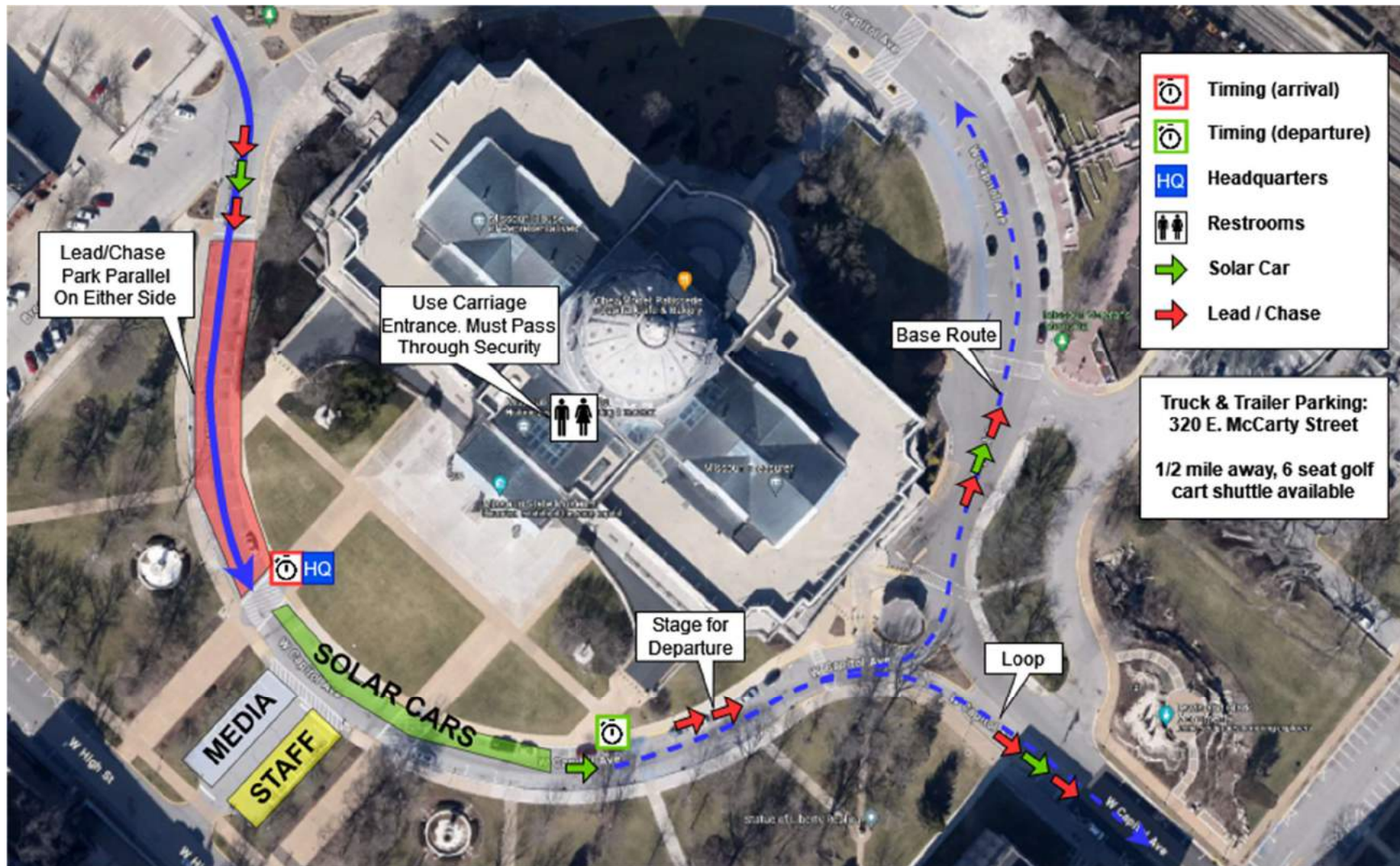


B232 Detail



See Checkpoint Diagram for Arrival Information

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 219	159.70	3.80		Entering Jefferson City (Pop 40,109)				
C 220	161.20	1.50		Hitachi Energy on right				
C 221	161.60	0.40	CONTINUE STRAIGHT following signs for US-54 West / US-63 South over the overpass	US-54 east ramp for Fulton	3			
C 222	161.80	0.20	EXIT RIGHT for US-54 West / US-63 South toward Jefferson City	Sign for Lewis & Clark historical marker	1			
C 223	162.20	0.40	MERGE LEFT onto US-54 West / US-63 South	Move over one lane to the left to get out of turn lane for exit ahead	3		paved	
C 224	162.20	0.00		Exit for US-63 North/Columbia	2			
C 225	162.60	0.40		Exit for Hwy W/Airport				
C 226	163.00	0.40	Once on the bridge, MERGE RIGHT into the exit lane for Main St and State Capitol	Cross Missouri River	3			
C 227	163.40	0.40	EXIT RIGHT for Main St immediately at the end of the bridge					
C 228	163.45	0.05	TURN LEFT at SL onto Main St	Note: 2-way solar car traffic with teams proceeding onward to Independence from here to the end.	1			
C 229	163.50	0.05		Clay St, "Lewis & Clark Trailhead Plaza ahead" sign			parking, curb	
C 230	163.70	0.20	KEEP LEFT to get into the left lane as Main St gains a lane at Bolivar St.		2			
C 231	163.90	0.20		RR track, SL for Missouri Blvd. NOTE: Teams doing the Jefferson City Loop entering the course from the right.				
C 232	164.10	0.20	Right curve, KEEP LEFT AT THE FORK onto West Capitol Ave for the south side of the capitol grounds	Broadway St	1	20	parking on both sides	
C 233	164.20	0.10	Arrive at Jefferson City checkpoint	Follow staff directions at checkpoint				



Checkpoint – Missouri State Capitol – Jefferson City, MO
See Next Page for Truck & Trailer Parking Map

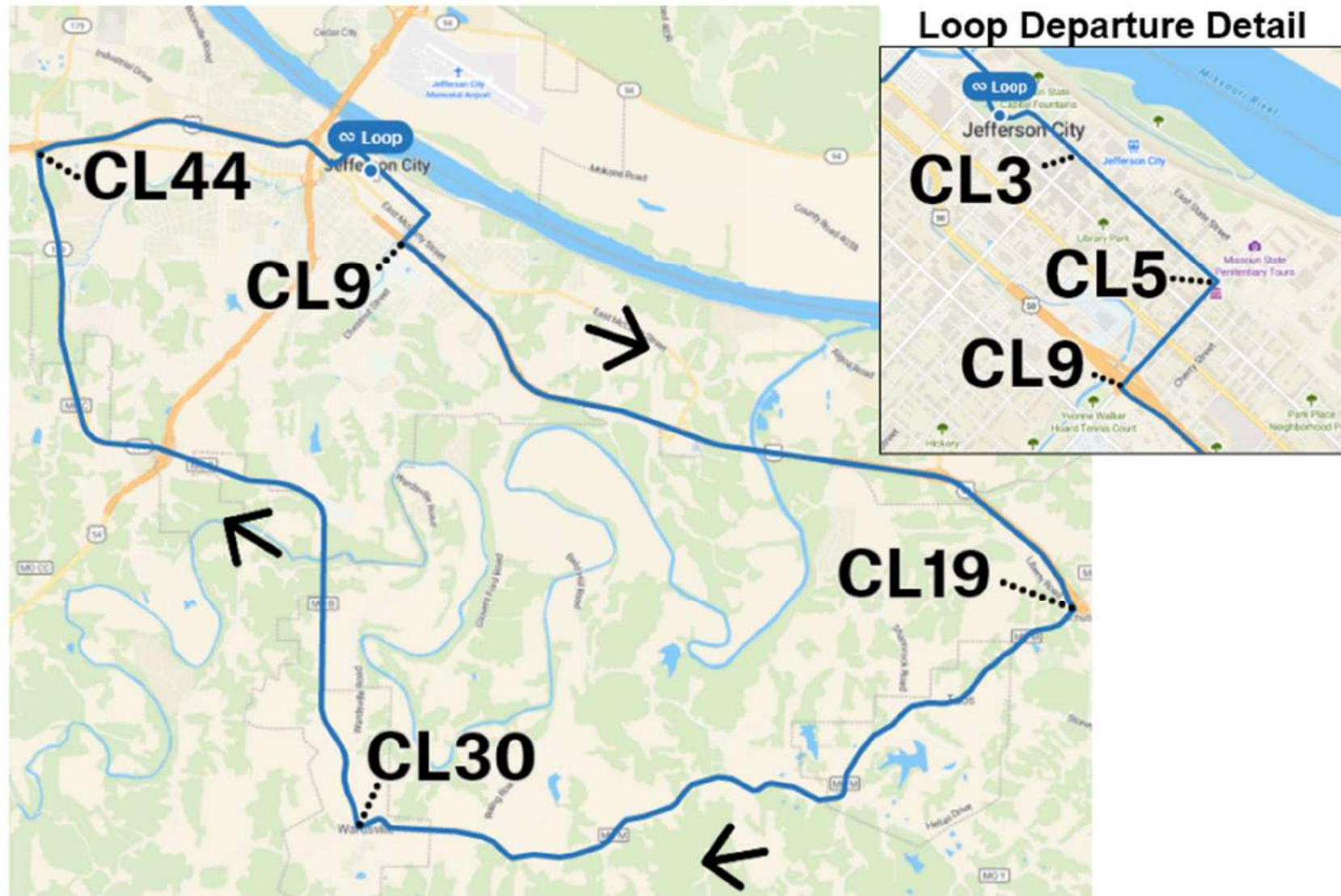


Truck & Trailer Parking – 320 E McCarty Street – Jefferson City, MO

STAGE 2
OPTIONAL LOOP
(SEGMENT C LOOP)
JEFFERSON CITY

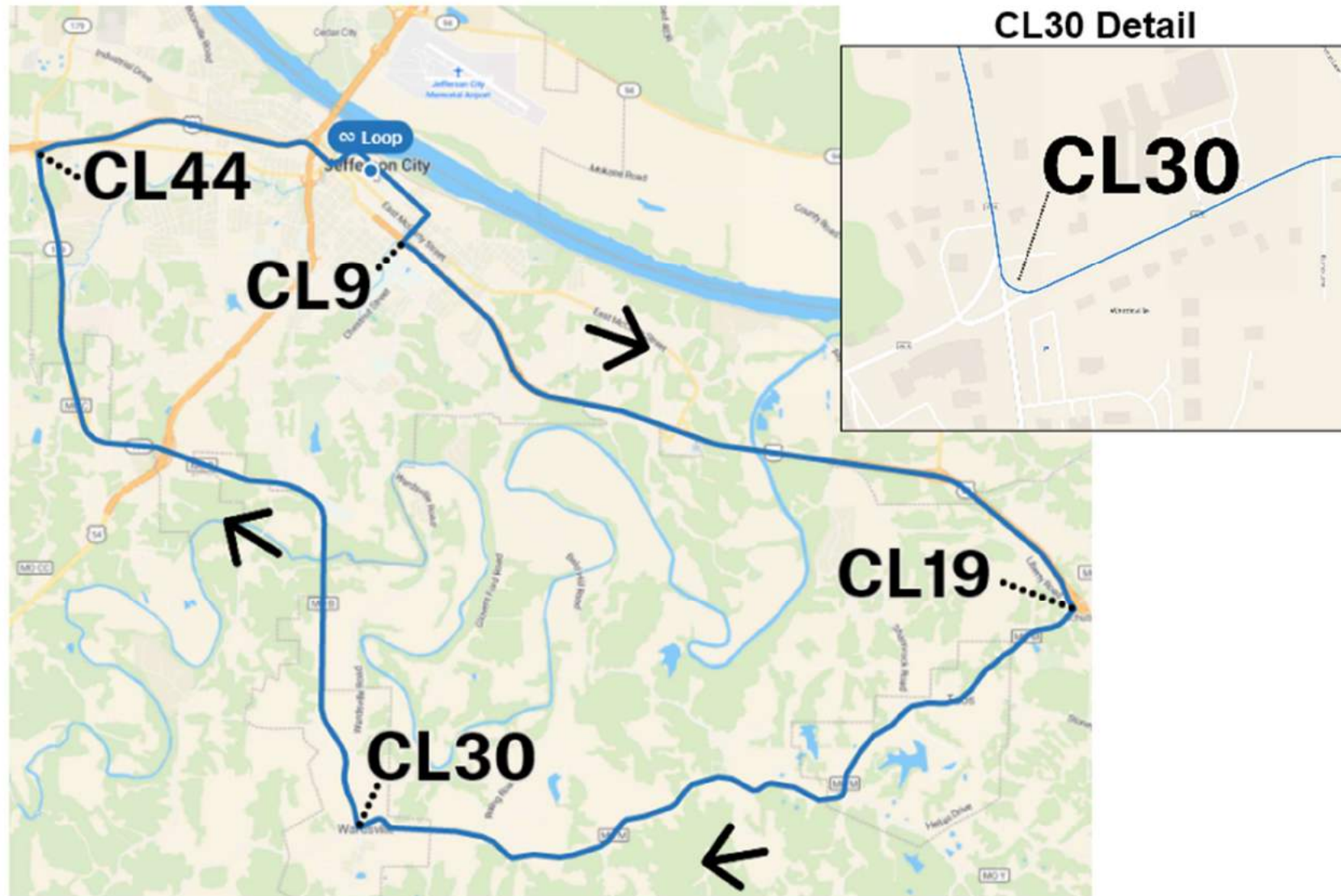
ELECTREK AMERICAN SOLAR CHALLENGE 2024

Jefferson City Optional Loop



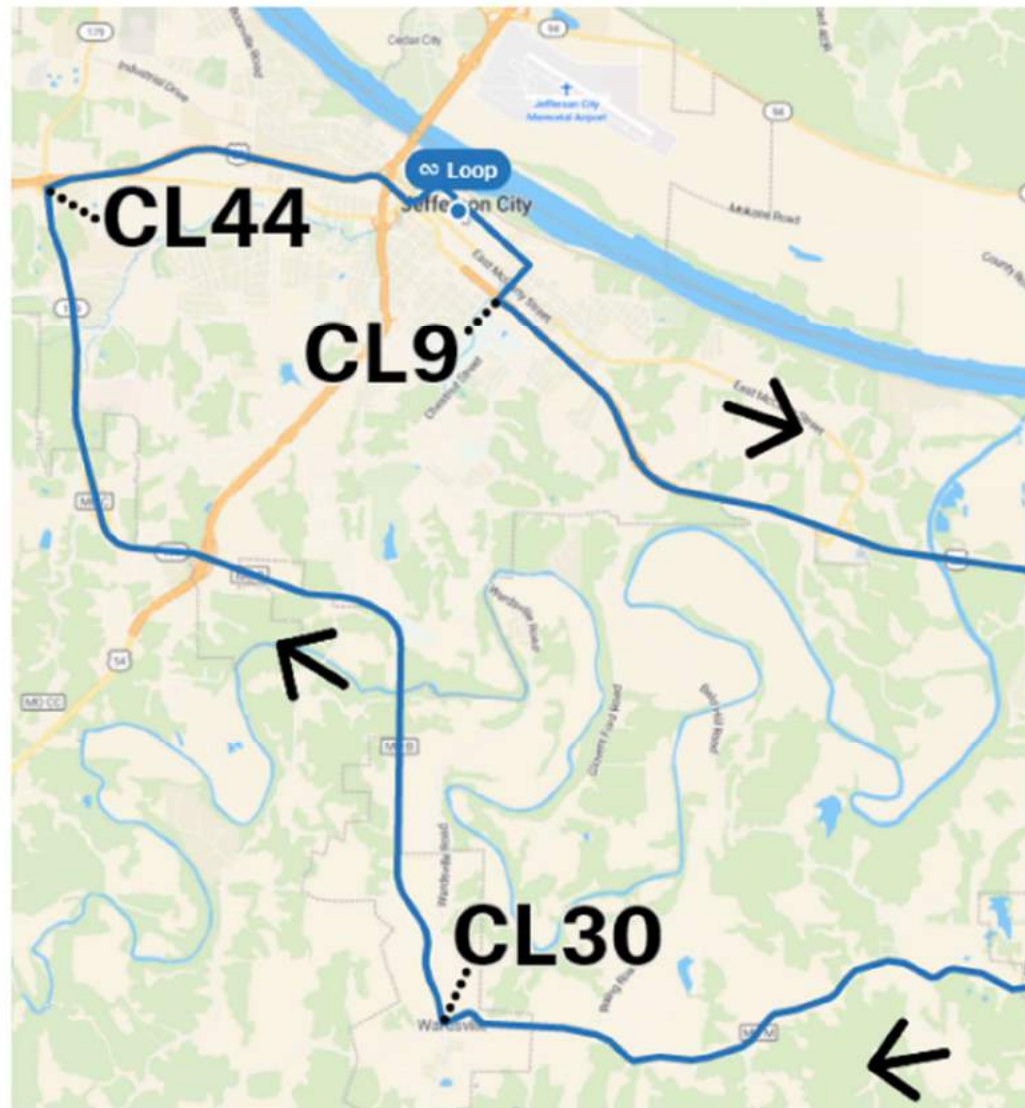
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
CL 1	0.00		TURN RIGHT onto E Capitol Ave, exiting Capitol Circle	Pass Lewis and Clark Plaza on left				
CL 2	0.05	0.05		SL for Jefferson St		30		
CL 3	0.15	0.10		SL for Madison St			parking lane	
CL 4	0.25	0.10		SL for Monroe St				
CL 5	0.60	0.35	TURN RIGHT at SL onto Lafayette St		1		curb	
CL 6	0.70	0.10		SL for High St				
CL 7	0.80	0.10		SL for E McCarty St				
CL 8	0.90	0.10		SL for US-50 WB ramps, cross under US-50 / US-63				
CL 9	1.00	0.10	TURN LEFT at SL onto ramp for US-50 East					
CL 10	1.10	0.10	MERGE LEFT onto US-50 East	Right lane exit-only ahead for Clare Ave	2	55		
CL 11	1.40	0.30		Speed limit change at bridge		65		
CL 12	2.50	1.10		Exit for Eastland Dr				
CL 13	3.30	0.80		Schott Rd				
CL 14	3.90	0.60		Exit for E McCarty St				
CL 15	5.00	1.10		Cross Moreau River				
CL 16	5.70	0.70		Shamrock Rd				
CL 17	6.40	0.70		Exit for Militia Dr				
CL 18	8.20	1.80	EXIT RIGHT for Hwy M / Hwy J towards Osage City and Taos	State Historic Site, Clark's Hill / Norton				
CL 19	8.60	0.40	TURN RIGHT at stop sign onto MO-M		1	50	gravel	fuel
CL 20	9.30	0.70		Taos city limits (Pop 828)		50	paved, narrow	
CL 21	9.40	0.10				30		

Jefferson City Optional Loop



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
CL 22	10.30	0.90		Speed limit change after Osage Fire Protection District Station 1		50		
CL 23	10.50	0.20		Shamrock Rd, cemetery on right				
CL 24	11.90	1.40		Large white water tower on right ahead		55		
CL 25	13.20	1.30		Shade Tree Ln				
CL 26	14.70	1.50		Wardsville sports complex on right				
CL 27	15.80	1.10		Entering Wardsville (Pop 1506)		50		
CL 28	16.20	0.40		Speed limit change before right curve ahead		30		
CL 29	16.40	0.20		Falcon Ln, school on right				
CL 30	16.60	0.20	TURN RIGHT before Stop Sign/Yield to turn towards MO-B. THEN MERGE onto MO-B. Yield to Traffic from Left	Cross Traffic does not stop! Jct W	1	30	none	
CL 31	17.20	0.60		Speed change just before Friendship Rd / Mid America Bank on left		40	paved	
CL 32	17.40	0.20				55		
CL 33	18.00	0.60				60		
CL 34	19.20	1.20		Cross Moreau River				
CL 35	20.10	0.90		SL for Tanner Bridge Rd/Lorenzo Greene Dr, entering Jefferson City	2	60	paved	
CL 36	20.70	0.60		Christy Drive				
CL 37	21.20	0.50	CONTINUE STRAIGHT on MO-179	SL for US-54 EB Ramps				
CL 38	21.30	0.10		SL for US-54 WB Ramps				
CL 39	21.90	0.60		Exit for MO-C / Russellville				
CL 40	23.00	1.10		Exit for Mission Dr				hospital

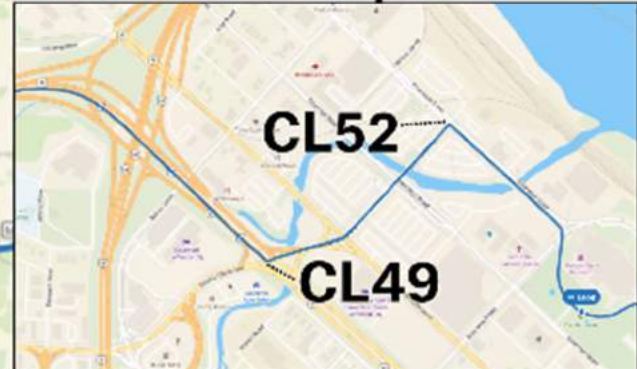
Jefferson City Optional Loop



CL43 - CL44 Detail



Return to Checkpoint Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
CL 41	24.00	1.00		SL for Edgewood Dr, speed change after intersection		55		
CL 42	24.60	0.60		Get in right lane, signs for US-50 East	3	45		
CL 43	24.70	0.10		Before the first underpass, SL "TO Missouri Blvd" and signs for US-50 Business. DO NOT TURN HERE!				
CL 44	24.75	0.05	TURN RIGHT at SL for EB US-50 onto onramp for US-50 East	After passing under the first underpass but before passing under the second underpass				
CL 45	24.95	0.20	MERGE ONTO US-50 East			65	paved	
CL 46	26.10	1.15		Exit for Dix Rd, speed limit change at under pass		55		
CL 47	27.00	0.90				40		
CL 48	27.20	0.20	KEEP LEFT to follow US-50 East / US-63 South	Exit for US-54 / US-63 North				
CL 49	27.60	0.40	TURN LEFT at SL onto Missouri Blvd	Protected left	2			
CL 50	27.70	0.10		SL for McCarty St, get in right lane				
CL 51	27.80	0.10		High St				
CL 52	27.90	0.10	TURN RIGHT at SL onto Main St	Get in left lane after turn	2	30	curb	
CL 53	28.10	0.20	Right curve, KEEP LEFT AT THE FORK onto West Capitol Ave for the south side of the capitol grounds			20		
CL 54	28.20	0.10	Arrive at Jefferson City checkpoint	Follow staff directions at checkpoint				

STAGE 2

SEGMENT D

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Jefferson City, MO – Independence, MO

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Support Route in solid red – Solar Car Route shown in dotted line for reference

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

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	Head Northwest from on McCarty St from Support Parking	
1.0 mi	TURN RIGHT onto the onramp for US-54 East / US-63 North	Next right after stop light for Bolivar
1.7 mi	EXIT RIGHT for US-63 North towards Columbia	
27.8 mi	EXIT RIGHT towards I-70 West	
0.6 mi	TURN LEFT at the SL for I-70 West / US-40 West towards Kansas City	
112.4 mi	EXIT RIGHT at Exit 15B for MO-291 North towards Liberty	
4.0 mi	EXIT RIGHT for Truman Rd	
0.3 mi	TURN RIGHT at the bottom of the exit onto Truman Rd	
2.2 mi	TURN LEFT at the stop sign onto Liberty St	
200 ft	TURN LEFT at first cross street and then TURN RIGHT into the support vehicle parking lot.	

Approx. 150 miles (2 hr, 20 min)

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

SOLAR CAR ROUTE OVERVIEW



SEGMENT D JEFFERSON CITY, MO – INDEPENDENCE, MO

CHECKPOINT:
Missouri State Capitol
201 W Capitol Ave, Jefferson City, MO 65101

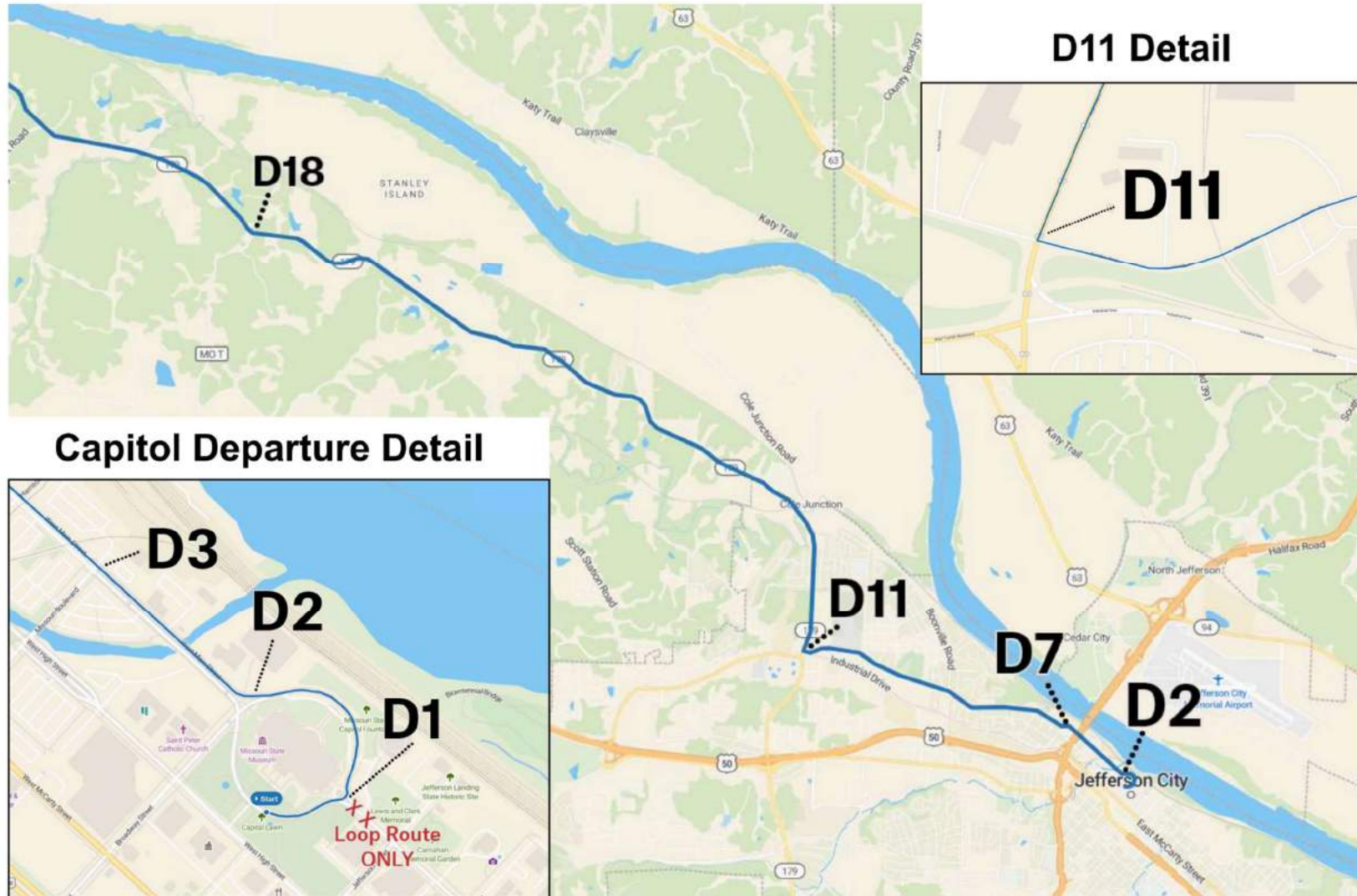
CHECKPOINT:
Independence Uptown Market
211 W Truman Rd, Independence, MO 64050



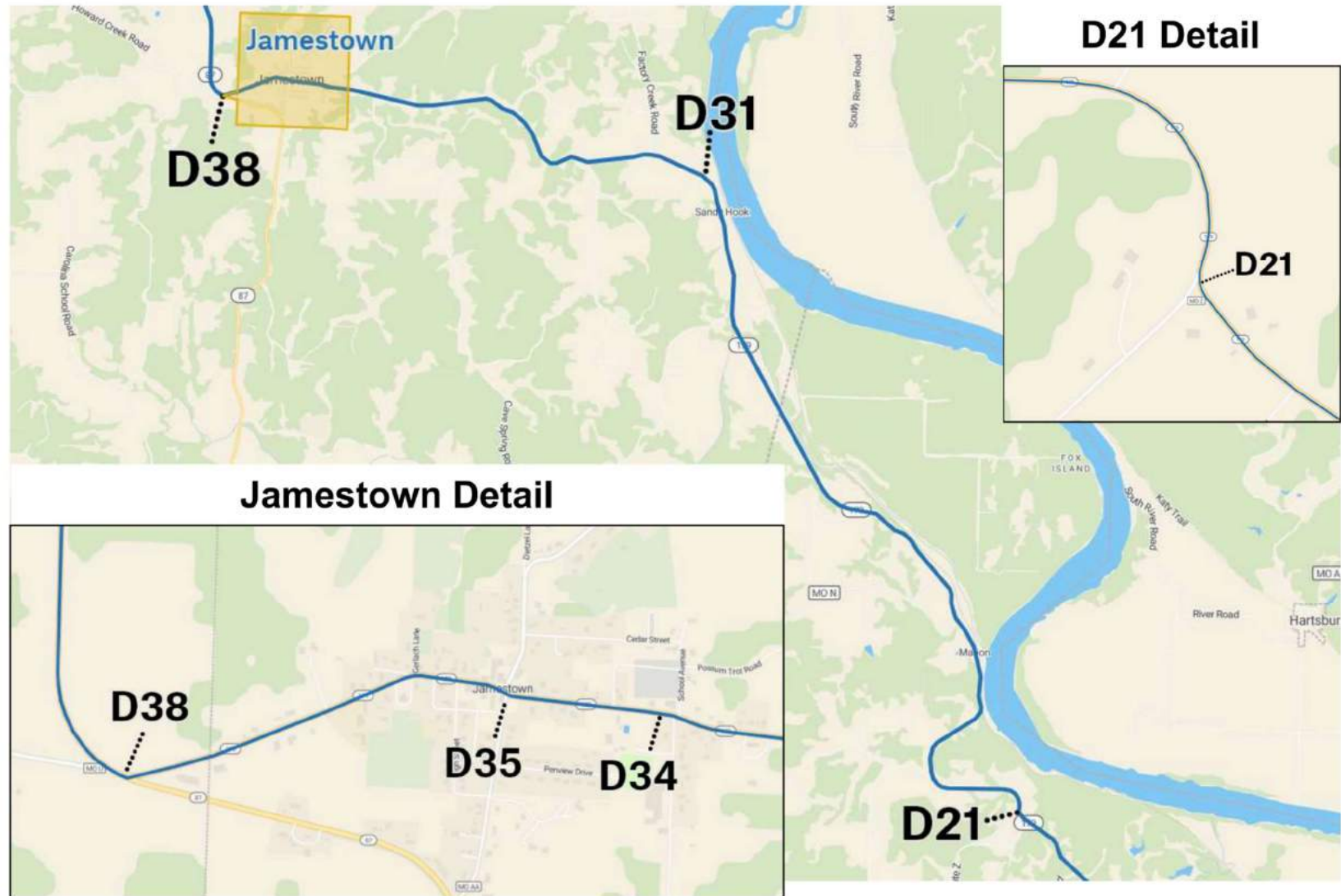
See America by National Historic Trail



D1 - D20 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 1	0.00		KEEP LEFT at the guard booth to stay on Capitol Ave and circle around the north side of capitol building				parking	
D 2	0.15	0.15	EXIT LOOP RIGHT onto West Main St		2	30	curb	
D 3	0.30	0.15	MERGE LEFT - right lane will become turn-only after Bolivar St.	SL for Missouri Blvd, followed by RR track				
D 4	0.50	0.20		Bolivar St				
D 5	0.60	0.10	CONTINUE STRAIGHT on Main St	Cross over US-63 / US-54. Right Lane must take ramp	1	30		
D 6	0.70	0.10		SL for Fulkerson St				
D 7	0.80	0.10	CONTINUE on Main St: Left-to-right S-curve ahead.					
D 8	1.90	1.10		Stop Sign (all-way) for Boonville Rd/Dix Rd. Use left lane, right lane is turn only				fuel
D 9	2.40	0.50		Memorial Park on right				
D 10	3.20	0.80		RR tracks				
D 11	3.30	0.10	TURN RIGHT at Stop Sign onto MO-179 North	CAUTION: cross traffic does not stop!	1	45	paved	
D 12	3.60	0.30		Fire Dept on right				
D 13	4.50	0.90		Grays Creek				
D 14	4.70	0.20		RR tracks (2 Tracks)			none	
D 15	5.10	0.40		Briar Village Ct		55		
D 16	6.60	1.50		Art barn with a variety of windows on right				
D 17	7.80	1.20		Church Farm Conservation Center sign, Central MO Correctional Center	1	55	none	
D 18	10.20	2.40		Jct T, Lewis & Clark Trail sign				
D 19	10.50	0.30		paved shoulder next 1/4 mile				
D 20	12.30	1.80		Sunflower Rd/High Point Rd				

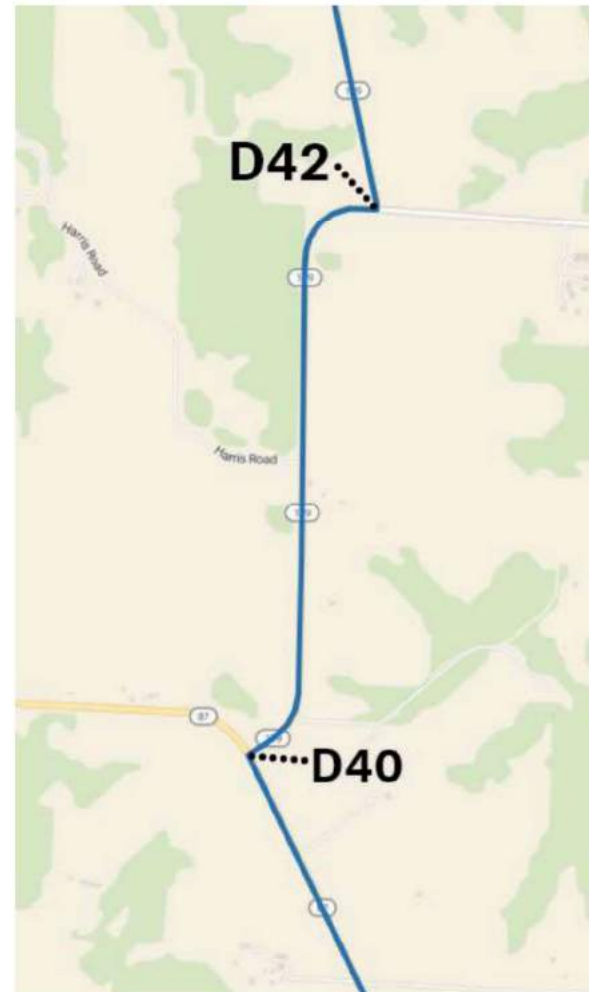


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 21	13.10	0.80	TURN RIGHT at Stop Sign to continue to follow MO-179 North towards Marion	Jct Hwy Z. T-intersection with red/white hazard stripping outlining the left-right arrow sign.	1	55	none	
D 22	14.10	1.00		Rock Creek Rd				
D 23	15.40	1.30		Entering Marion		50		
D 24	15.50	0.10		Historical marker, Marion access boat ramp on right				
D 25	15.60	0.10				55		
D 26	16.30	0.70		Jct N, Lewis and Clark sign				
D 27	16.80	0.50		Old Marion Cemetery on left				
D 28	18.50	1.70		Entering Moniteau County				
D 29	19.50	1.00		Marion Bottoms Conservation Area to right				
D 30	20.20	0.70		Entering Sandyhook		50		
D 31	20.70	0.50				55		
D 32	24.30	3.60		Entering Jamestown		45		
D 33	24.40	0.10		Speed change after Jamestown Assembly of God church on right		35		
D 34	24.60	0.20		Speed change after St Pauls Evangelical Church and Grace United Methodist Churches		25		
D 35	24.80	0.20		Stop Sign (all-way) for Hwy AA / Hwy Y / Mill St				fuel, food
D 36	25.00	0.20		Speed change just after Jamestown Baptist Church on left		35		
D 37	25.20	0.20				45		
D 38	25.40	0.20	TURN RIGHT at Yield to stay on MO-179 North as it merges with MO-87 North. Signs towards Prairie Home.	MO-87 on left, Jct U, Lewis & Clark sign and large radio tower on right after turn	1	55	none	

D39 - D56 Overview



D40 - D42 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 39	28.20	2.80		Brickhouse Rd				
D 40	28.70	0.50	TURN RIGHT to follow MO-179 North toward Wooldridge Pay attention: no stop sign/light!	Follow signs for Lewis & Clark Trail				
D 41	29.30	0.60		Harris Rd on left				
D 42	29.90	0.60	TURN LEFT to follow MO-179 North towards Wooldridge Pay attention: no stop sign/light!	Jct P. If you pass Clay Farms you missed this turn.	1	55	none	
D 43	31.10	1.20		Steep downhill grade sign around left bend, twisty descent next half mile				
D 44	31.70	0.60		Splice Creek Rd				
D 45	33.30	1.60	CONTINUE STRAIGHT on MO-179 North towards Wooldridge	Jct EE				
D 46	33.60	0.30		Entering Cooper County				
D 47	35.80	2.20		Steep downhill grade sign				
D 48	36.40	0.60		Entering Wooldridge (Pop 40)		30		
D 49	36.60	0.20	TURN LEFT at Stop Sign to follow MO-179 North		1	30		
D 50	36.70	0.10		Leaving Wooldridge.		55		
D 51	40.00	3.30		Jct V, Cumberland Church Rd, Cooper County Fire Dept and water tower on left				
D 52	41.30	1.30		Brady Steam Engine Showgrounds on left				
D 53	41.50	0.20		Cross over I-70 (exit 111)				fuel
D 54	41.60	0.10	TURN LEFT at Stop Sign onto MO-98 West	Towards Big Muddy Wildlife Refuge Headquarters. End MO-179		55		
D 55	42.20	0.60		Big Muddy Wildlife Refuge Headquarters on right				
D 56	43.00	0.80		Road curves sharply right, then left				

D57 - D72 Overview



Boonville Detail



D69 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 57	43.80	0.80		Big Muddy Wildlife Refuge Overton Bottoms North Unit to right, Rocheport Rd				
D 58	46.60	2.80	FOLLOW SHARP LEFT Curve to stay on MO-98 West	Orchard Dr (gravel road on right)				
D 59	48.30	1.70		Entering Boonville (Pop 8319)				
D 60	48.50	0.20	TURN RIGHT at Stop Sign onto MO-87 North		1	55	paved	
D 61	49.00	0.50				45		
D 62	49.60	0.60		11th St		30		
D 63	50.10	0.50	TURN RIGHT at SL for Main St to continue to follow MO-87-North	Jct B / Main St		30		
D 64	50.20	0.10		Sycamore St. Get in Left Lane				
D 65	50.25	0.05	TURN LEFT at SL for Ashley Rd / US-40 West / MO-5 South / I-70 Business	Follow Lewis & Clark Trail sign	1	30	curb	fuel
D 66	50.80	0.55		Dollar General on right		40		
D 67	51.20	0.40		Rolling Hills Park entrance on left	2	45	none	
D 68	51.90	0.70	Merge Left, right lane ends immediately over the crest		1		gravel	
D 69	52.30	0.40	TURN RIGHT at a right arrow sign for Lewis & Clark Trail PAY ATTENTION! ZERO SIGNAGE OTHER THAN THE SMALL BROWN L&C TRAIL SIGN! VERY VERY EASY TO MISS!	Turn is BEFORE the Chrysler / Dodge / Jeep / Ram dealership and Ford dealership ahead on the right. If you pass the car dealerships, you missed the turn.	1	40	gravel	
D 70	52.70	0.40		Sunrise Dr followed by Sunset Dr on right				
D 71	54.70	2.00		Speed limit change at the bottom of a dip	1	55	none	
D 72	55.10	0.40		Dunkles Drive. Overpass to left				

D73 - D94 Overview

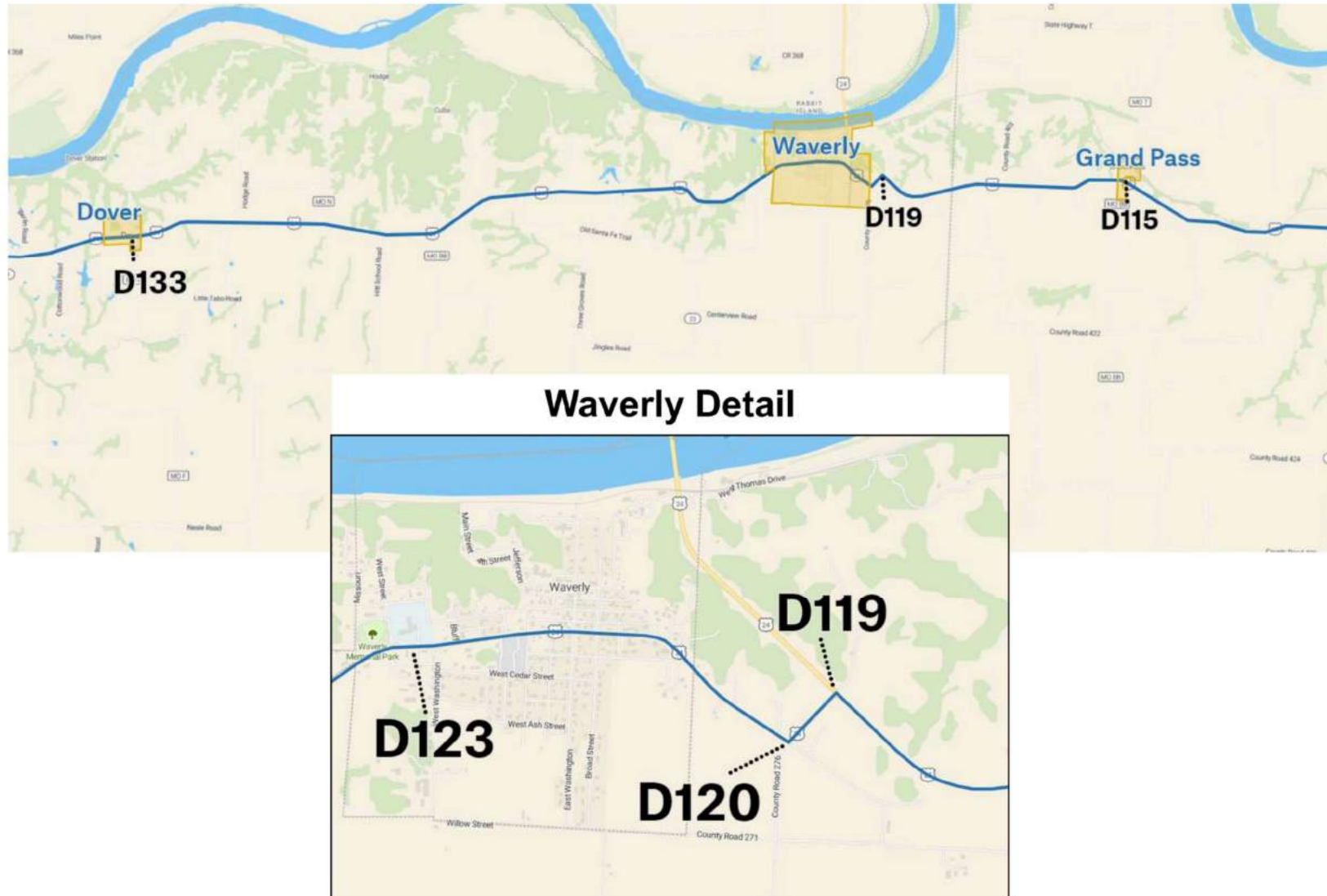


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 73	56.80	1.70	CONTINUE STRAIGHT on MO-41 North	Jct MO-135, access to I-70 (exit 98), pick up Santa Fe Trail in addition to Lewis & Clark Trail, Santa Fe Trail sign by interstate	1	55	none	
D 74	58.40	1.60		Cross Lamine River, large gravel pulloff on right after the bridge				
D 75	58.80	0.40		RR tracks (2)				
D 76	59.10	0.30		Jct CC, left curve				
D 77	62.90	3.80		Oak Wood Dr				
D 78	64.10	1.20		Jct K, toward Blackwater				
D 79	65.00	0.90		Rose Hill Woodworking on right				
D 80	66.90	1.90		Hollywood Rd, rough road ahead				
D 81	68.50	1.60		Entering Saline County, road surface changes				
D 82	69.20	0.70		Arrow Rock State Historic Site on right				
D 83	69.50	0.30		Entering Arrow Rock (Pop 56), entire town is an NPS Historic District		40		
D 84	69.60	0.10		Jct TT / Main St., "Welcome to Arrow Rock Est 1829" sign				
D 85	69.80	0.20			1	55	none	
D 86	70.30	0.50		"Santa Fe Trail historic route next 10 miles" sign				
D 87	70.60	0.30		Jct AC				
D 88	73.40	2.80		Jct AA / D, Hardeman R-10 School on right		55		fuel
D 89	77.60	4.20		Jct E				
D 90	78.40	0.80		Shiloh Cemetery on left				
D 91	79.90	1.50	TURN LEFT at Stop Sign onto MO-240 West / MO-41 North	Towards Marshall, follow Lewis & Clark Trail signs CAUTION: cross traffic does not stop!	1	55	pvd, rough	
D 92	80.90	1.00		Lime Ave / CR 109 / CR 213				
D 93	81.70	0.80		Eastwood St / CR 107 / Landmark Ave				
D 94	82.30	0.60		Cross Salt Fork Creek				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 95	82.80	0.50		Entering Marshall				
D 96	83.30	0.50		Jct Hwy O North/N Lincoln Ave				
D 97	83.50	0.20		Exit for Hwy O South		45		
D 98	84.70	1.20				35		
D 99	84.90	0.20	CONTINUE STRAIGHT on MO-240 West	Stop sign (all-way with flashing red light), MO-41 splits off				
D 100	85.00	0.10		Holiday Lanes Bowling on right		45		
D 101	85.40	0.40	TURN RIGHT at Stop Sign onto US-65 North	T-intersection, Cross Traffic does not stop. End MO-240	1	45	paved, narrow	
D 102	86.00	0.60		MVCAA Head Start Center on right		55		fuel
D 103	86.20	0.20				60		
D 104	87.00	0.80		Jenkins Market on right				
D 105	89.50	2.50		Cross Straddle Creek				
D 106	91.10	1.60		Cross Salt Fork Creek				
D 107	92.30	1.20	CONTINUE STRAIGHT on US-65 North	Jct N / Finch Rd, Grand Pass Conservation Area				
D 108	93.80	1.50		"Welcome to Malta Bend, Home of Tiger Pride"				
D 109	94.60	0.80		Entering Malta Bend (Pop 249)		35		fuel, food
D 110	94.80	0.20		Stop sign with flashing red (all-way) for Linn St, Mel's Diner on right				
D 111	95.10	0.30				60		
D 112	95.90	0.80		Mid-Missouri Energy on right				
D 113	96.20	0.30		Jct MO-127				
D 114	96.90	0.70		"Santa Fe Trail historic route next 5 miles" sign				
D 115	99.20	2.30		Entering Grand Pass (pop 53). Jct T / Gilham St. Church & Cemetary on right		45		

D116 - D134 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 116	99.40	0.20				60		
D 117	101.40	2.00		Entering Lafayette County and Freedom's Frontier National Heritage Area	1	60	paved	
D 118	101.80	0.40		Peter's Market on right				
D 119	102.60	0.80	TURN LEFT using the left turn lane onto US-24 West towards Waverly. Pay attention: no stop sign/light!	If you cross the Missouri River you've missed this turn				
D 120	102.80	0.20	TURN RIGHT at Stop Sign/Yield to continue on US-24 West	Entering Waverly Pop 849) after turn, "Santa Fe Trail historic route next 18 miles" sign	1	35	paved narrow	
D 121	103.60	0.80		Flashing yellow light overhead, business district to right				
D 122	103.90	0.30		Green dinosaur on left				
D 123	104.10	0.20		Santa Fe Elementary School on right				
D 124	104.20	0.10		Speed change after the church on the right		45		
D 125	104.40	0.20				60	none	
D 126	105.30	0.90		Jct MO-23 & roadside park on left				
D 127	105.90	0.60		Peaches Orchards on left				
D 128	107.20	1.30		Baltimore Bend Conservation Area to right				
D 129	109.10	1.90		Jct BB, Lewis & Clark Trail sign				
D 130	110.60	1.50		Jct N, Big Muddy Wildlife Refuge			none	
D 131	112.60	2.00		Small silver water tower on left				
D 132	113.00	0.40		Entering Dover (Pop 103)		35		
D 133	113.10	0.10		Jct F/P				
D 134	113.60	0.50				60		

D135 - D155 Overview



Lexington Detail



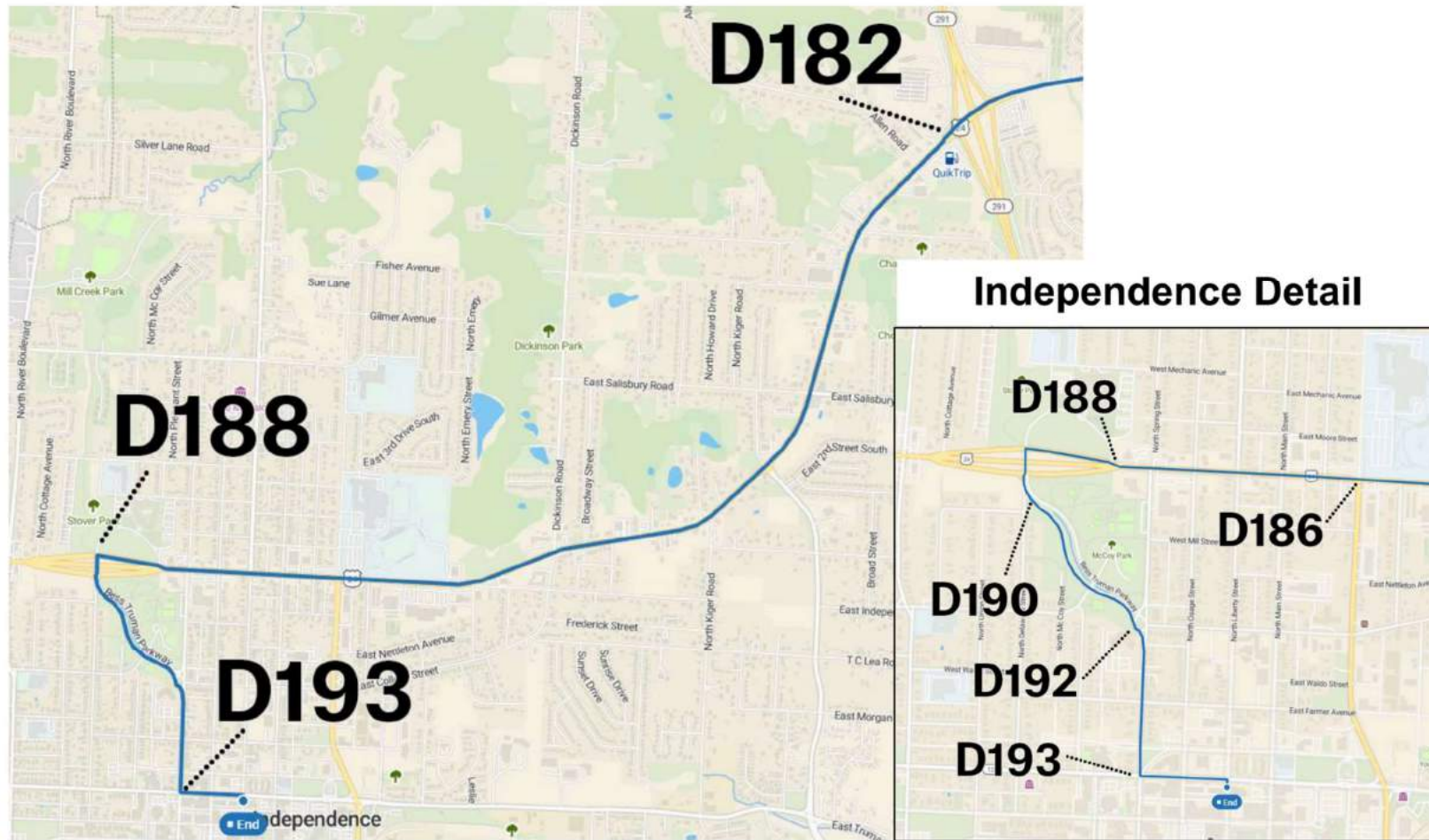
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 135	114.80	1.20	CONTINUE STRAIGHT on MO-24, follow Lewis & Clark Trail signs	Turnoff for Higginsville (big yellow hand/finger pointing), Jct MO-213				
D 136	118.60	3.80		Rickett's Farm Service on right				
D 137	120.70	2.10		Meierer Fruit Market on right				
D 138	121.20	0.50		Entering Lexington (Pop 4726)				
D 139	121.70	0.50	CONTINUE STRAIGHT on MO-24, follow Lewis & Clark Trail signs	Jct MO-224, turnoff for Battle of Lexington SHS				Hospital
D 140	121.90	0.20		MO-13 North				
D 141	122.10	0.20		MO-13 South			paved	
D 142	123.10	1.00		24th St, flashing yellow overhead light for school on right				
D 143	123.70	0.60		Begin divided hwy	2	60	paved	
D 144	124.20	0.50		Exit for MO-13 Business/Lexington				
D 145	125.00	0.80		End divided hwy	1	60	paved	
D 146	125.30	0.30		Pulloff on right for commuter parking (gravel), Appletree Rd/Marshall School Rd				
D 147	127.50	2.20		Country Farm Rd				
D 148	128.00	0.50		Little Sni-a-bar Creek				
D 149	129.00	1.00		Flournoy School Rd				
D 150	130.20	1.20		East Fork Sni-a-bar Creek. "Santa Fe Trail next 4 miles" sign				
D 151	130.60	0.40	CONTINUE STRAIGHT at Roundabout (2nd exit) to follow US-24 West with Lewis and Clark Trail sign	Jct MO-131, access for Wellington	1	60	paved	fuel
D 152	131.30	0.70		German Church Rd				
D 153	133.20	1.90		Waterloo Rd				
D 154	134.30	1.10		Riverview Dr				
D 155	135.60	1.30		Jct D / Chestnut, access for Napolean, Lewis & Clark Trail sign				

D156 - D179 Overview



Step	Trip	Int	Major Turns / Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 156	136.40	0.80		Jct MO-224, Santa Fe Trail marker to right				
D 157	137.50	1.10		Jackson County Line, Fire Prairie Creek				
D 158	137.70	0.20		Begin divided hwy	2	60	paved	
D 159	138.50	0.80		Entering Levasy (Pop 83)		65		
D 160	139.00	0.50		Jct H / Main St				
D 161	140.50	1.50		Holly Rd				
D 162	141.40	0.90		Skeleton, Dark Nightmares Haunted Forest on right				
D 163	141.70	0.30		Speed change after bridge over RR tracks		45		
D 164	142.10	0.40		Divided hwy ends, Entering Buckner (Pop 3076)	2	35	curb	
D 165	142.50	0.40		SL for Sibley St / Jct BB				fuel & food
D 166	142.80	0.30		Begin divided hwy	2	45	paved	
D 167	143.00	0.20				65		
D 168	143.70	0.70		City Limit of Independence (Pop 116,830)				
D 169	145.30	1.60		Hoover Rd				
D 170	147.50	2.20		Exit for MO-7 for Twyman Rd & Blue Springs, Osage Trail Middle School and Fort Osage High School on right				
D 171	148.80	1.30		Little Blue River				
D 172	149.90	1.10		Left Exit for Little Blue Parkway		50		
D 173	150.30	0.40		SL for Blue Mills Rd	2		paved	
D 174	150.70	0.40		End divided hwy		45		
D 175	150.80	0.10		SL for Davis Rd / Salem Dr, Phillips 66 on left corner	2	45	curb	fuel
D 176	151.40	0.60		SL for Jackson Dr / Kentucky Rd				fuel
D 177	152.10	0.70		SL for Susquehanna Ridge / Fairview Dr				food
D 178	152.50	0.40		SL for Jennings Rd / Atherton Rd				
D 179	152.70	0.20		SL for Dover Dr/Concord Circle				
D 180	152.80	0.10		Speed limit change before Scooters	2	35	curb	

D180 to Checkpoint Overview



See Checkpoint Diagram for Arrival Information

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
D 181	153.00	0.20	CONTINUE STRAIGHT on US-24 West	SL for MO-291 North Ramps				fuel
D 182	153.10	0.10		SL for MO-291 South Ramps, Lewis & Clark and Santa Fe Trail Auto Tour signs after intersection				
D 183	153.90	0.80		SL for Salisbury Rd	2	35	none	
D 184	154.10	0.20		SL for Lee's Summit Rd / Holder Rd	2		gravel	
D 185	154.60	0.50		SL for College St / Dickinson Rd				
D 186	155.10	0.50		SL for Noland Rd, 7-Eleven on near left corner, Harry S. Truman Memorial Highway	2	35	none	
D 187	155.30	0.20		SL for Liberty St				
D 188	155.50	0.20	EXIT RIGHT for Truman Library					
D 189	155.70	0.20	TURN LEFT at Stop Sign onto N Bess Truman Pkwy	"Independence Missouri" and 3 NHT signs (Santa Fe, Oregon, and California) under bridge (great photo op!)	1	25		
D 190	155.80	0.10	KEEP LEFT at fork in the road, stay on Bess Truman Pkwy					
D 191	155.90	0.10		National Historic Trails (Santa Fe, Oregon, and California) McCoy Park Trailhead to right				
D 192	156.10	0.20	TAKE 1st EXIT of Roundabout (turn right) onto Spring St				curb	
D 193	156.40	0.30	TURN LEFT at Stop Sign (all-way) onto Truman Rd	AT&T building on far left corner	2	35	curb	
D 194	156.45	0.05		Stop sign (all-way) for Osage St				
D 195	156.50	0.05	TURN RIGHT at Stop Sign (All-Way) onto Liberty St		1			
D 196	156.55	0.05	TURN RIGHT into Independence Uptown Farmers Market	Arrive at checkpoint				



Checkpoint – Independence Uptown Market – Independence, MO

STAGE 2

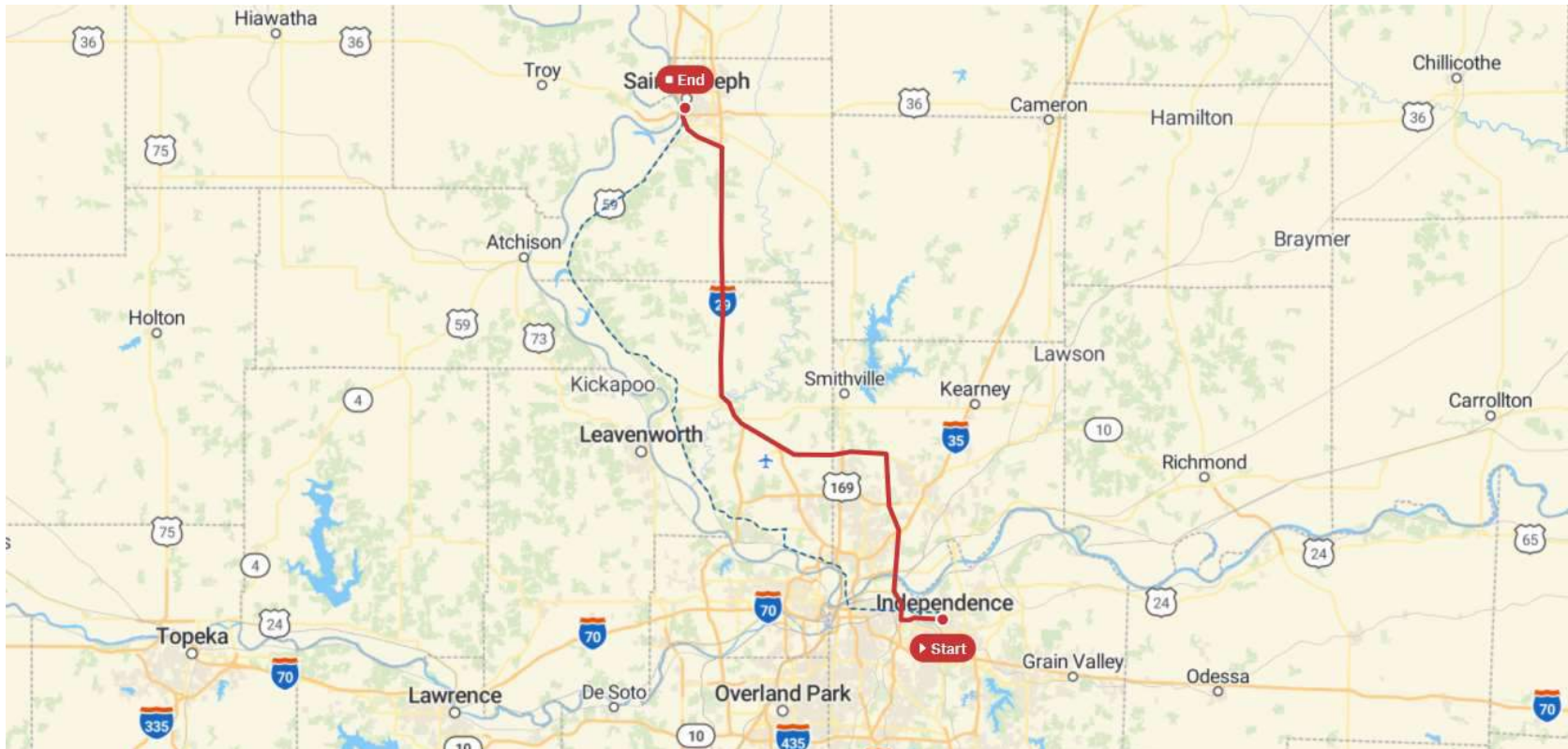
SEGMENT E

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Independence, MO – St. Joseph, MO

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Support Route in solid red – Solar Car Route shown in dotted line for reference

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

SUPPORT VEHICLE ROUTE

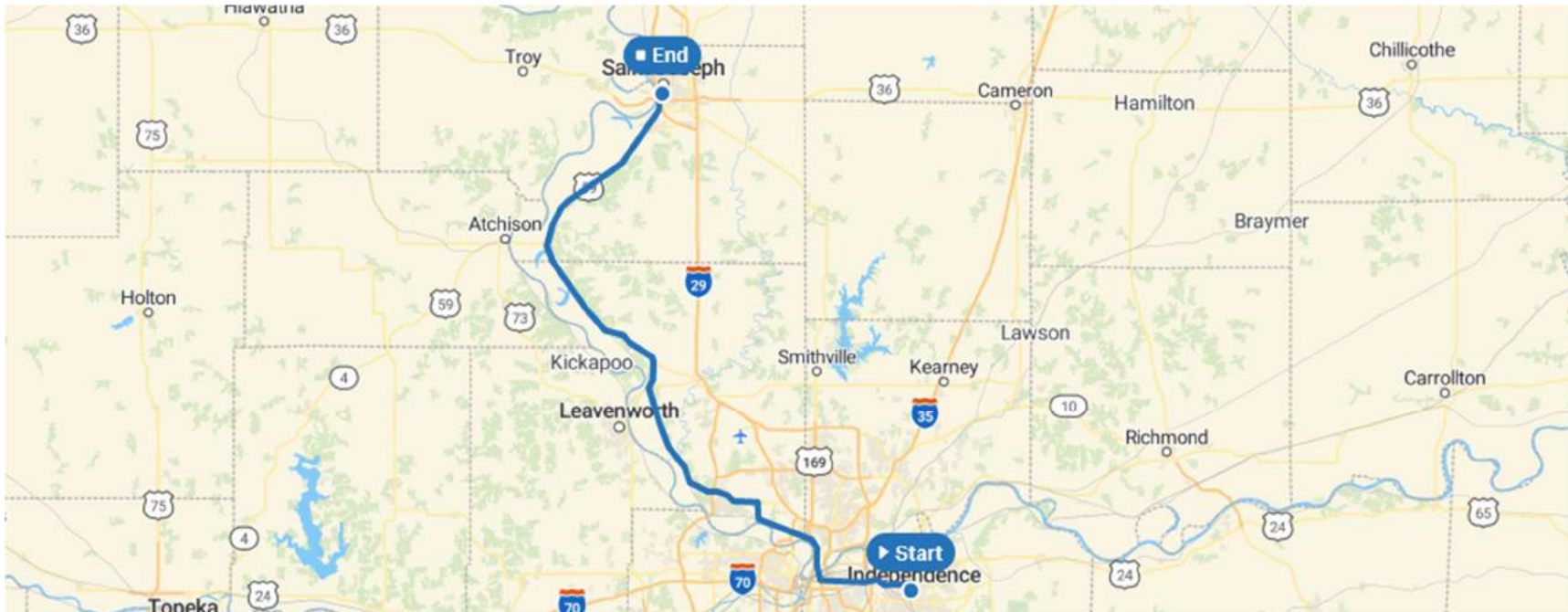
(NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	TURN LEFT out of the support vehicle parking lot and then TURN RIGHT on Liberty St	
200 ft	TURN LEFT at the Stop Sign onto Truman Rd	Note: on the solar car route for the next two blocks
3.8 mi	EXIT RIGHT before the SL onto the onramp for I-435 North / US-24 East	
28.5 mi	CONTINUE STRAIGHT onto I-29 North	
26.1 mi	EXIT RIGHT onto I-229 North towards Downtown St. Joseph	
5.0 mi	EXIT RIGHT at Exit 4B onto US-36 towards Kansas / Cameron	
0.2 mi	TURN RIGHT at the SL onto US-36 East	
0.3 mi	EXIT RIGHT toward I-29 Business and 10th St	
0.1 mi	MERGE onto 10th St at the stop sign at the bottom of the exit	Note: will be driving with solar car loop traffic on 10th St.
0.5 mi	TURN LEFT onto Penn St and follow staff directions.	Support vehicle parking across 9th St on the right and left.

Approx. 64.7 miles (1 hr, 1 min)

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

SOLAR CAR ROUTE OVERVIEW



SEGMENT E INDEPENDENCE, MO – ST JOSEPH, MO

CHECKPOINT:
Independence Uptown Market
211 W Truman Rd, Independence, MO 64050

STAGE STOP:
Pony Express National Museum
914 Penn St, St Joseph, MO 64503

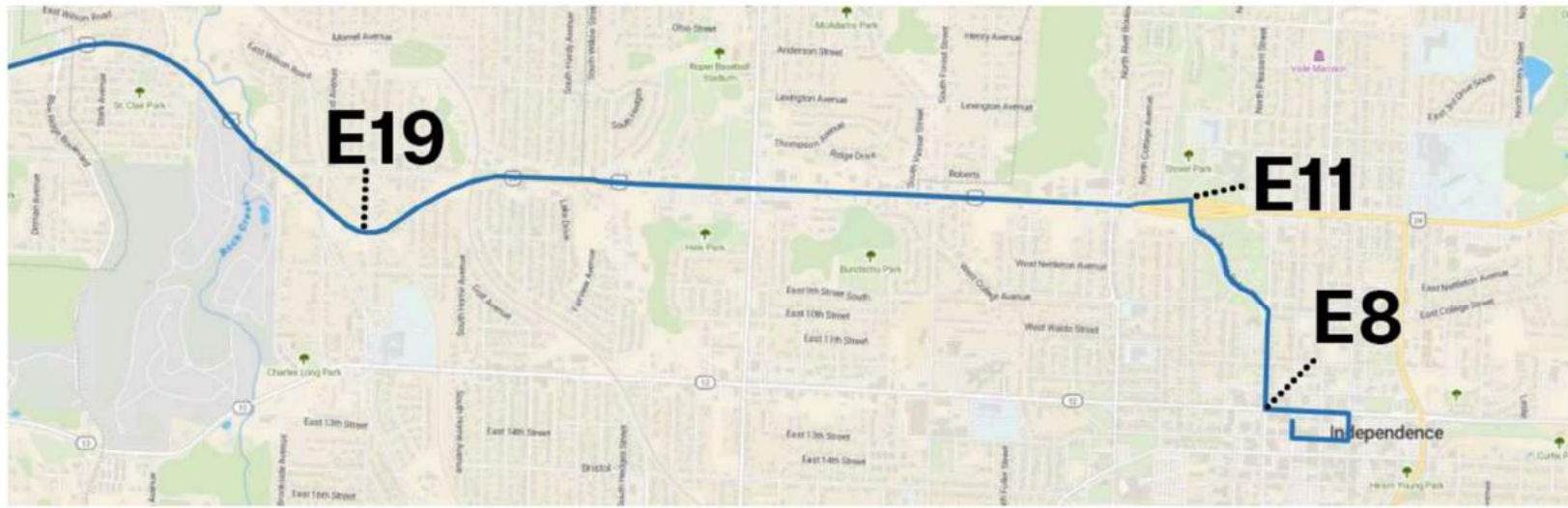


See America by National Historic Trail

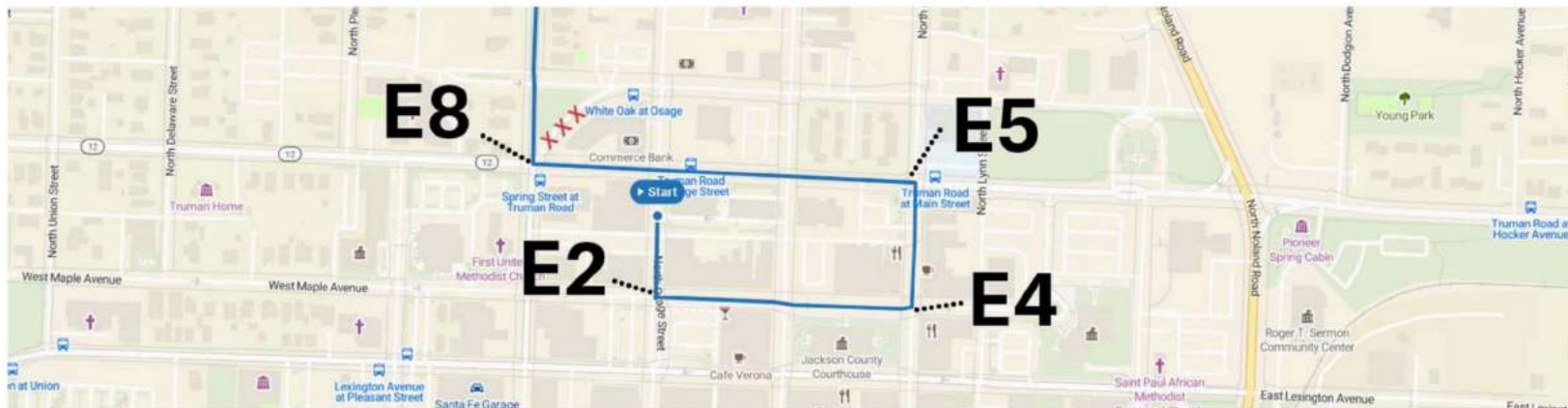


Checkpoint – Independence Uptown Market – Independence, MO

E1 - E22 Overview

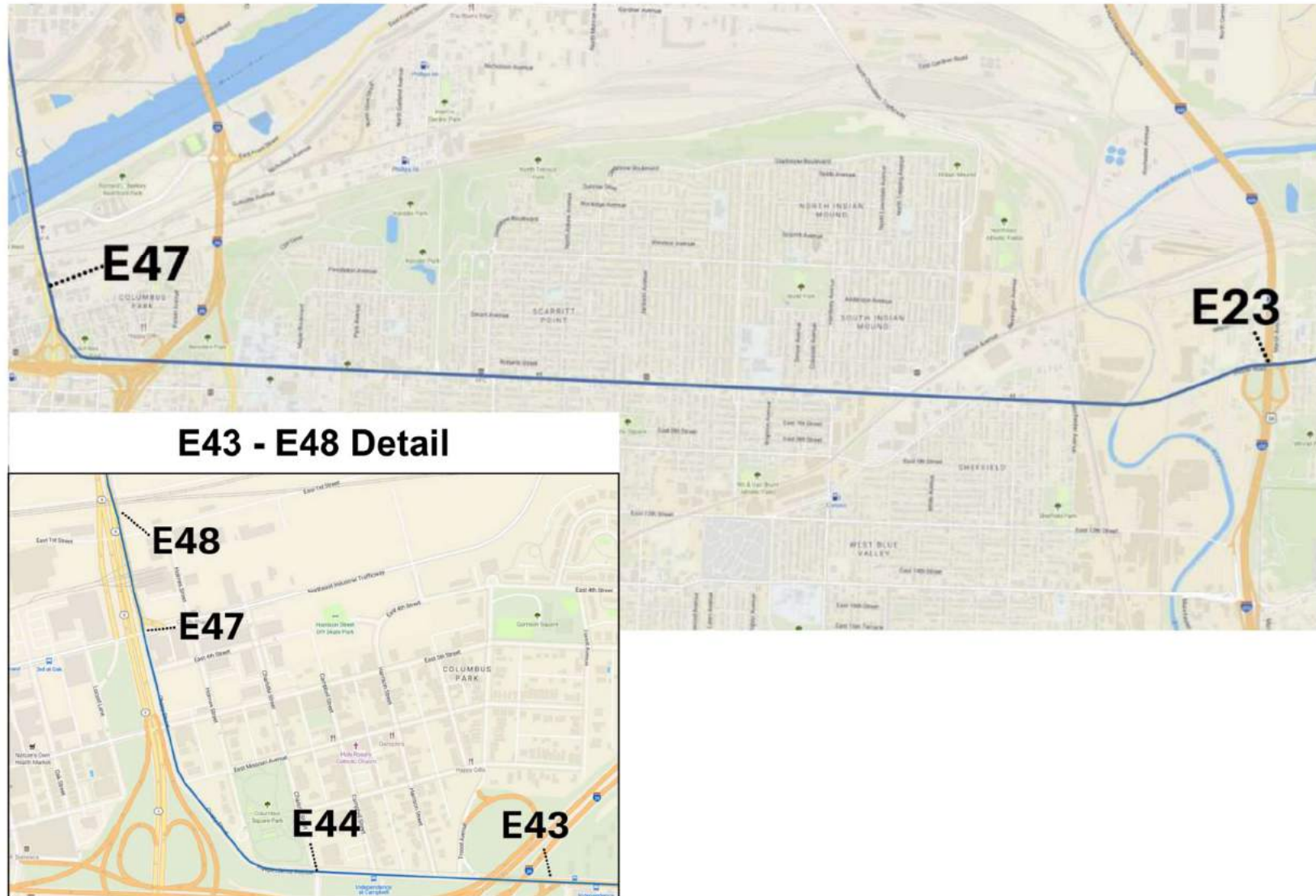


Independence Departure Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 1	0.00		TURN LEFT onto Osage St		1	25		
E 2	0.05	0.05	TURN LEFT at Stop Sign (all-way) onto Maple Ave	Three Trails mural on opposite corner				
E 3	0.10	0.05		Stop Sign (all-way) for Liberty St				
E 4	0.20	0.10	TURN LEFT at Stop Sign (all-way) onto Main St					
E 5	0.30	0.10	TURN LEFT at Stop Sign (all-way) onto Truman Rd					
E 6	0.35	0.05		Stop Sign (all-way) for Liberty St				
E 7	0.40	0.05		Stop Sign (all-way) for Osage St				
E 8	0.50	0.10	TURN RIGHT at Stop Sign for Spring St.	Make a WIDE right turn - you should be on the left fork (normal 90 degree right turn), not the right fork (sharp 45 degree right turn)				
E 9	0.70	0.20	TAKE 3rd Exit of Roundabout for Bess Truman Pkwy					
E 10	0.90	0.20		National Historic Trails (Santa Fe, Oregon, and California) McCoy Park Trailhead to left				
E 11	1.10	0.20	TURN LEFT onto US-24 West	<i>Another photo opportunity</i>				
E 12	1.20	0.10		Merge onto US-24				
E 13	1.30	0.10		SL for River Blvd	2	35	curb	
E 14	1.80	0.50		SL for Forest Ave				
E 15	2.30	0.50		SL for Sterling Ave				
E 16	2.70	0.40		SL for Northern Blvd	2	25	curb	
E 17	2.90	0.20		2 SLs: for Ash Ave and then for Huttig Ave				
E 18	3.00	0.10		Memorial Bridge over RR tracks		35		
E 19	3.30	0.30		RR underpass 14'				
E 20	3.50	0.20		SL for Route 24 / Winner Rd				fuel
E 21	3.60	0.10		SL for Brookside Ave	2	35	gravel	
E 22	4.60	1.00		SL for Wallace Ave				

E23 - E48 Overview



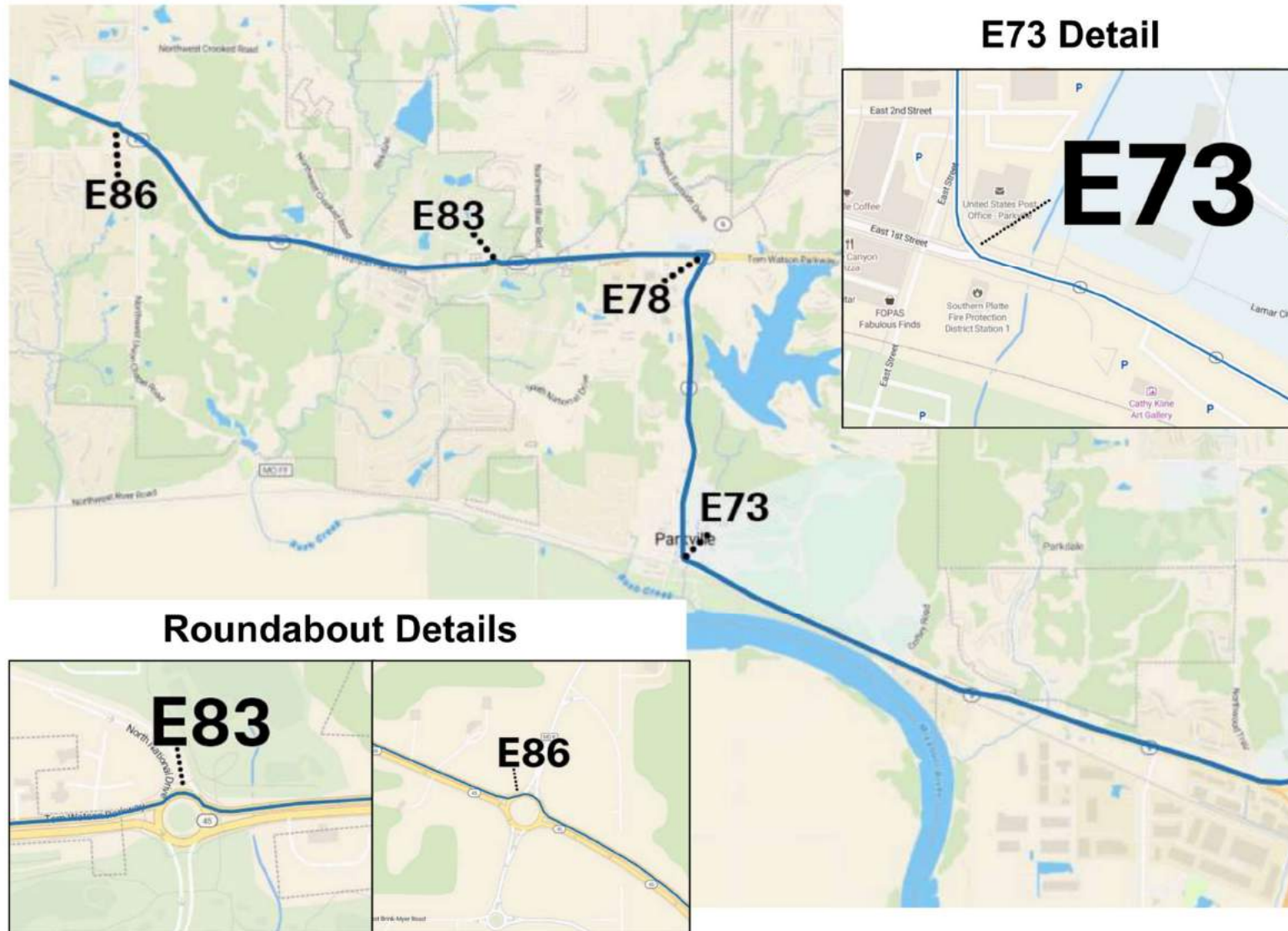
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 23	4.70	0.10		2 SLs, Jct I-435 (exit 59)	2	35	curb	
E 24	5.00	0.30		SL for Manchester Ave				
E 25	5.60	0.60		SL for Ewing Ave				
E 26	5.75	0.15		SL for Bennington Ave				
E 27	5.90	0.15		SL for Winner Rd / Beacon Ave				
E 28	6.20	0.30		RR underpass 12'				
E 29	6.30	0.10		SL Wilson Ave / Topping Ave				
E 30	6.50	0.20		SL for Hardesty Ave				
E 31	6.70	0.20		SL for Brighton Ave				
E 32	6.90	0.20		SL for Van Brunt Blvd				
E 33	7.30	0.40		SL for Norton Ave				
E 34	7.50	0.20		SL for Monroe Ave				
E 35	7.90	0.40		SL for Benton Blvd				
E 36	8.10	0.20		SL for Chestnut Trafficway				
E 37	8.20	0.10		SL Prospect Ave				
E 38	8.50	0.30		SL for Brooklyn Ave				
E 39	8.70	0.20		SL for Woodland Ave				
E 40	8.80	0.10		SL for Highland Ave				
E 41	8.95	0.15		SL for The Paseo Blvd				
E 42	9.00	0.05		Lydia Ave				
E 43	9.20	0.20	MERGE RIGHT - left lane becomes turn only at the next SL	SL for Jct I-70 / I-35 / I-29				
E 44	9.50	0.30		SL for Charlotte St.	1	35		
E 45	9.55	0.05	Follow road around right curve	Now on Cherry St.				
E 46	9.70	0.15		Stop sign for 5th St				
E 47	9.85	0.15	CONTINUE STRAIGHT onto the highway onramp ahead	Stop sign (all-way) for 3rd St				
E 48	10.00	0.15	MERGE LEFT onto MO-9 North		2	45		

E57 - E59 Detail



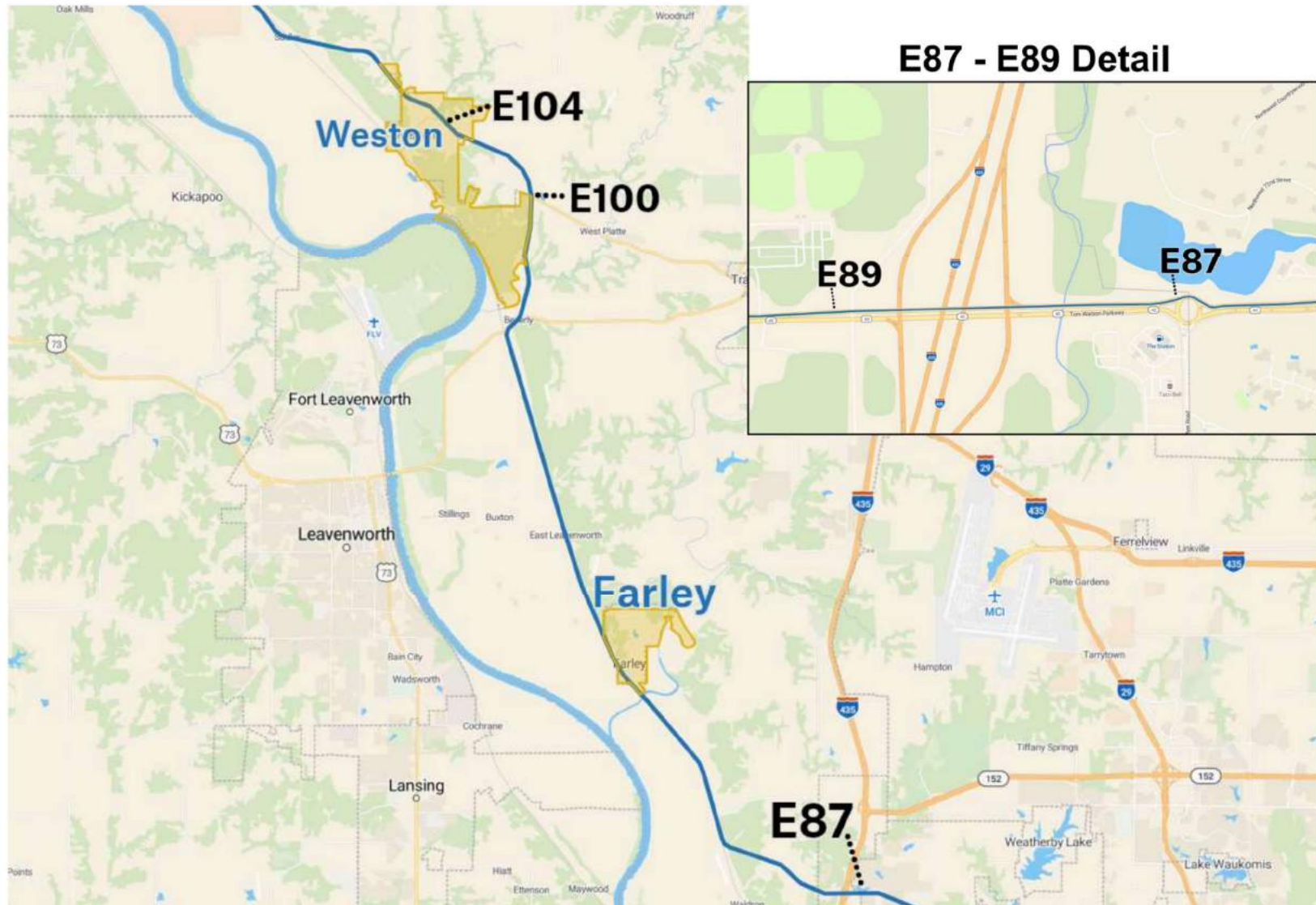
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 49	10.30	0.30		Cross Missouri River, Heart of America Bridge, entering Clay County				
E 50	10.90	0.60	CONTINUE STRAIGHT on MO-9 North	SL for 10th Ave, Entering North Kansas City	3			
E 51	11.20	0.30		SL for 12th ave				
E 52	11.40	0.20		SL for 14th Ave		40		
E 53	11.70	0.30		SL for 16th Ave				
E 54	11.90	0.20		SL for Armour Rd				
E 55	12.20	0.30	MERGE into center or left lane - must be in either of those two lanes after the next SL	SL for 23rd Ave				
E 56	12.40	0.20		SL for 26th Ave				fuel
E 57	12.50	0.10	STAY LEFT using center or left lane to continue on MO-9 North towards Riverside	Exit for N Oak Trfwy				
E 58	12.60	0.10		SL to cross over southbound lanes	2			
E 59	12.70	0.10		SL Design Dr / 32nd Ave, Entering Kansas City		40		
E 60	13.00	0.30				55		
E 61	13.40	0.40	KEEP LEFT to continue on MO-9 North towards Riverside and Parkville	Exit for MO-169 North / Smithville	2			
E 62	13.90	0.50		Exit for Briarcliff Pkwy	2			
E 63	14.20	0.30		Entering Riverside , Platte County	2		paved	
E 64	15.20	1.00		Gain a lane from entry ramp on right	3			
E 65	15.40	0.20	CONTINUE STRAIGHT on MO-9 North towards Parkville. MUST BE IN CENTER LANE	Left exit for I-635 South and US-69 South. Right exit for I-635 North	1			
E 66	16.00	0.60		SL for Platte Valley Dr / Northwood Dr, Lewis & Clark Trail sign before intersection	3	55		

E67 - E86 Overview



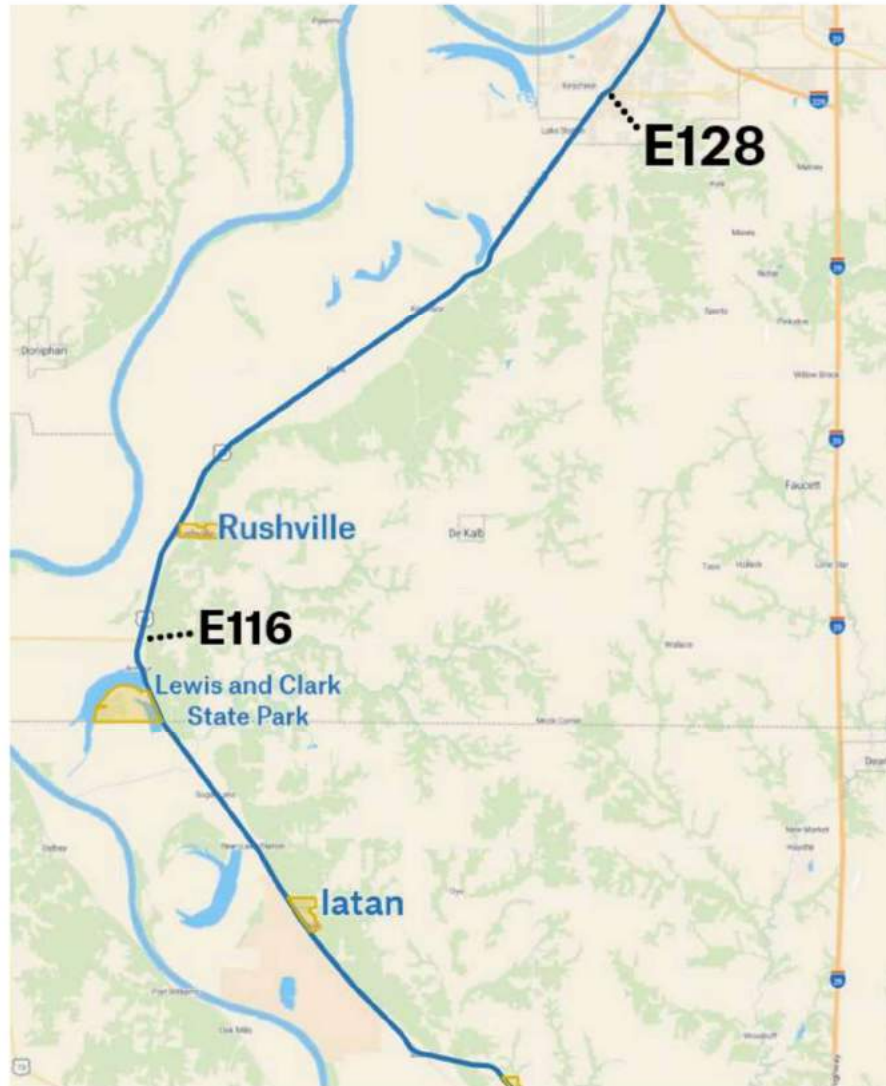
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 67	16.50	0.50		SL for Horizons Pkwy. Left lane is turn-only, both right lanes go straight	2			
E 68	16.90	0.40		SL for Mattox Rd				
E 69	17.10	0.20	MERGE RIGHT, left lane ends ahead	End divided hwy ahead	1	55	paved	
E 70	17.60	0.50		Entering Parkville (Pop 5554)		55		
E 71	18.70	1.10				35		
E 72	18.80	0.10		SL for Park University, speed change after intersection		25		
E 73	19.00	0.20	TURN RIGHT using the dedicated right turn lane to follow MO-9 North NO STOP SIGN OR SL, PAY ATTENTION!	Jct FF/ E 1st St	1		curb	
E 74	19.30	0.30		Park University ball field on right		35	none	
E 75	19.60	0.30		School of Rock on right				
E 76	19.90	0.30		SL for Lakeview Dr				
E 77	20.40	0.50		SL for 63rd St				
E 78	20.50	0.10	TURN LEFT at SL for Tom Watson Pkwy onto MO-45 North / NW 64th St	QT on near right corner, Casey's on near left corner	2	35		fuel
E 79	20.80	0.30		SL for Lewis St / Melody Ln				
E 80	20.90	0.10		SL for Bell St, Whataburger on corner				
E 81	21.10	0.20				45		
E 82	21.40	0.30		SL for Blair Rd				
E 83	21.60	0.20	TAKE 2nd EXIT of roundabout to stay on MO-45 North (go straight)	National Dr. Both lanes stay on MO-45 North.			curb	
E 84	21.80	0.20		SL for fire station on left				
E 85	22.30	0.50		N Crooked Rd, Roxanne's Café on right				
E 86	23.70	1.40	TAKE 2nd EXIT of roundabout to stay on MO-45 North (go straight)	Jct K / Hampton Rd. Both lanes stay on MO-45 North.	2	45	curb	

E87 - E109 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 87	24.80	1.10	TAKE 1st EXIT of roundabout to stay on MO-45 North (go straight)	Brink Myer Rd. Both lanes stay on MO-45 North.				fuel
E 88	25.20	0.40		Cross over I-435 (exit 22)				
E 89	25.30	0.10	MERGE LEFT after crossing over I-435, right lane ends ahead	Lewis & Clark sign	1	45		
E 90	26.20	0.90		Heartland Presbyterian Center on left, entrance		55		
E 91	27.50	1.30		NW River Rd joins from left		55		
E 92	28.00	0.50		Jones-Meyer Rd				
E 93	30.50	2.50		Cross Platte River				
E 94	31.00	0.50		Entering Farley	1	45	none	
E 95	31.30	0.30				55		
E 96	32.60	1.30		Grass Pad Rd				
E 97	34.20	1.60		Turnoff Jct MO-45 Spur and for Leavenworth to the left, bumpy road				
E 98	37.50	3.30		Jct MO-92, Weston Bluff Trail	1	55	none	
E 99	39.30	1.80		Weston Bend State Park on left		45		
E 100	39.70	0.40	CONTINUE STRAIGHT on MO-45 North / MO-273 North	SL for Jct MO-273 and Jct JJ				
E 101	40.00	0.30				55		
E 102	41.20	1.20		Entering Weston		45		
E 103	41.60	0.40		West Platte Fire Station on left, water tower on right				
E 104	41.90	0.30		Jct P				
E 105	42.10	0.20		Dollar General on right		35		
E 106	42.50	0.40		SL for Route H / Washington St				fuel
E 107	42.80	0.30				60	paved	
E 108	45.00	2.20		Bridge over RR tracks				
E 109	47.00	2.00		Evergy Iatan Generating Station on left		60		

E110 - E131 Overview



E128 Detail

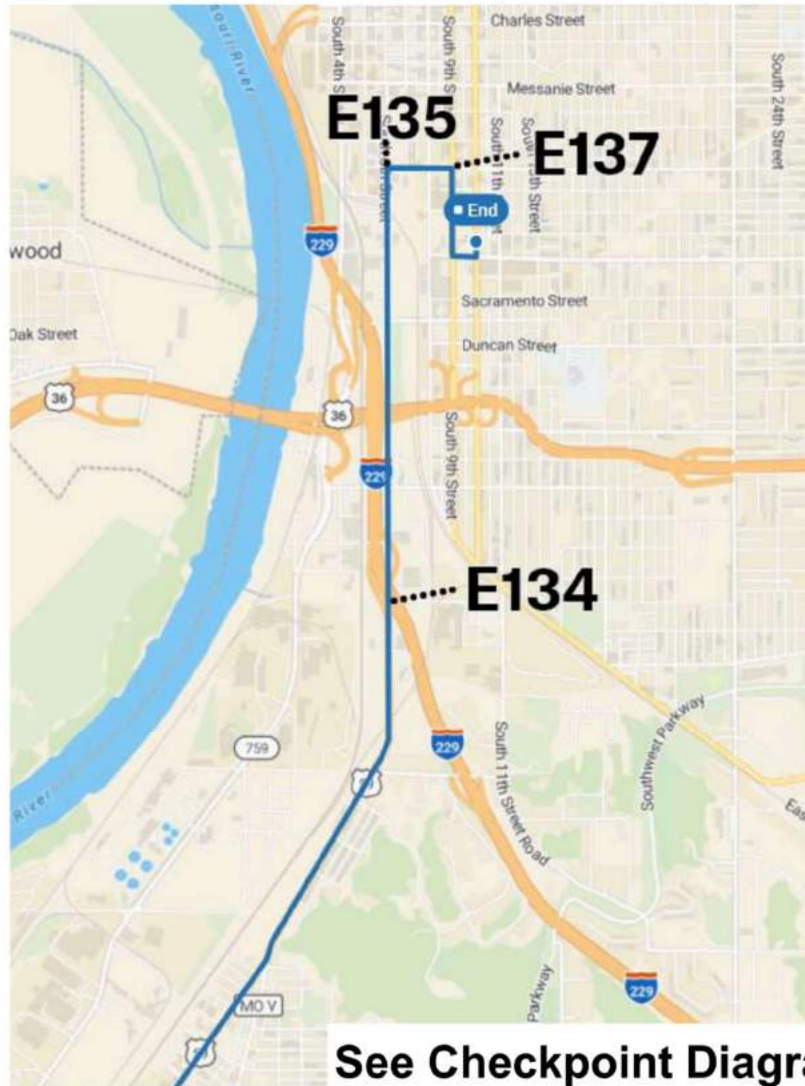


E131 Detail



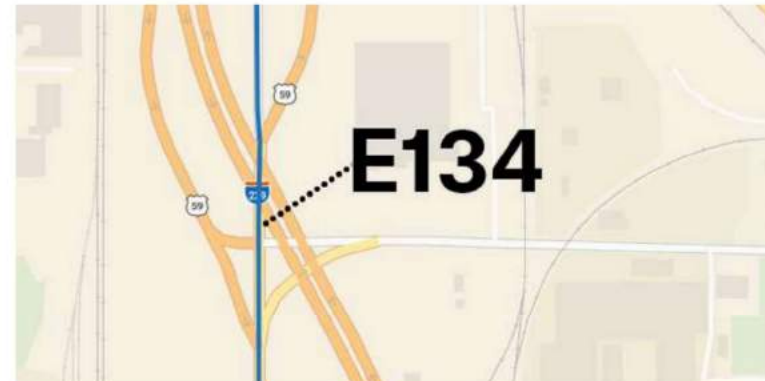
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 110	47.60	0.60		Snow Creek on right (ski resort)				
E 111	48.30	0.70		Entering Iatan				
E 112	50.10	1.80		Riverwood Winery on left				
E 113	53.40	3.30		Buchanan County, road surface changes				
E 114	54.20	0.80		Jct MO-138, Lewis and Clark State Park to left				
E 115	54.70	0.50				50		
E 116	55.20	0.50	CONTINUE STRAIGHT onto US-59 North following Lewis & Clark Trail sign	Stop sign (all-way) for MO-273 / US-59 South	1			
E 117	55.50	0.30				60	paved	
E 118	57.30	1.80		Jct MO-116, turnoff for Rushville				
E 119	58.20	0.90		God's Mountain Camp on right			paved	
E 120	59.30	1.10		Jct KK				
E 121	61.80	2.50		Entering Halls				
E 122	63.80	2.00		Bethel Rd, Bluffwoods Conservation Trails to right				
E 123	65.20	1.40		Bridge over RR tracks			paved	
E 124	67.50	2.30		Bargain Barn & Flea Market on right		55		
E 125	68.50	1.00		Cross Contrary Creek, Entering St. Joseph				
E 126	69.10	0.60		Speed limit change at Quik Stop on right		45		
E 127	69.70	0.60		Speed limit change after Cenex on right		30		
E 128	69.80	0.10	CONTINUE to follow US-59 North as it curves left	Alabama St / MO-752 / Jct U		30		fuel, food
E 129	70.20	0.40		SL for Massachusetts St				
E 130	70.40	0.20		SL for Illinois Ave			curb	
E 131	70.45	0.05	Follow the road as it jogs left-right at the SL for Cherokee					

E132 to Checkpoint Overview



See Checkpoint Diagram for Arrival Information

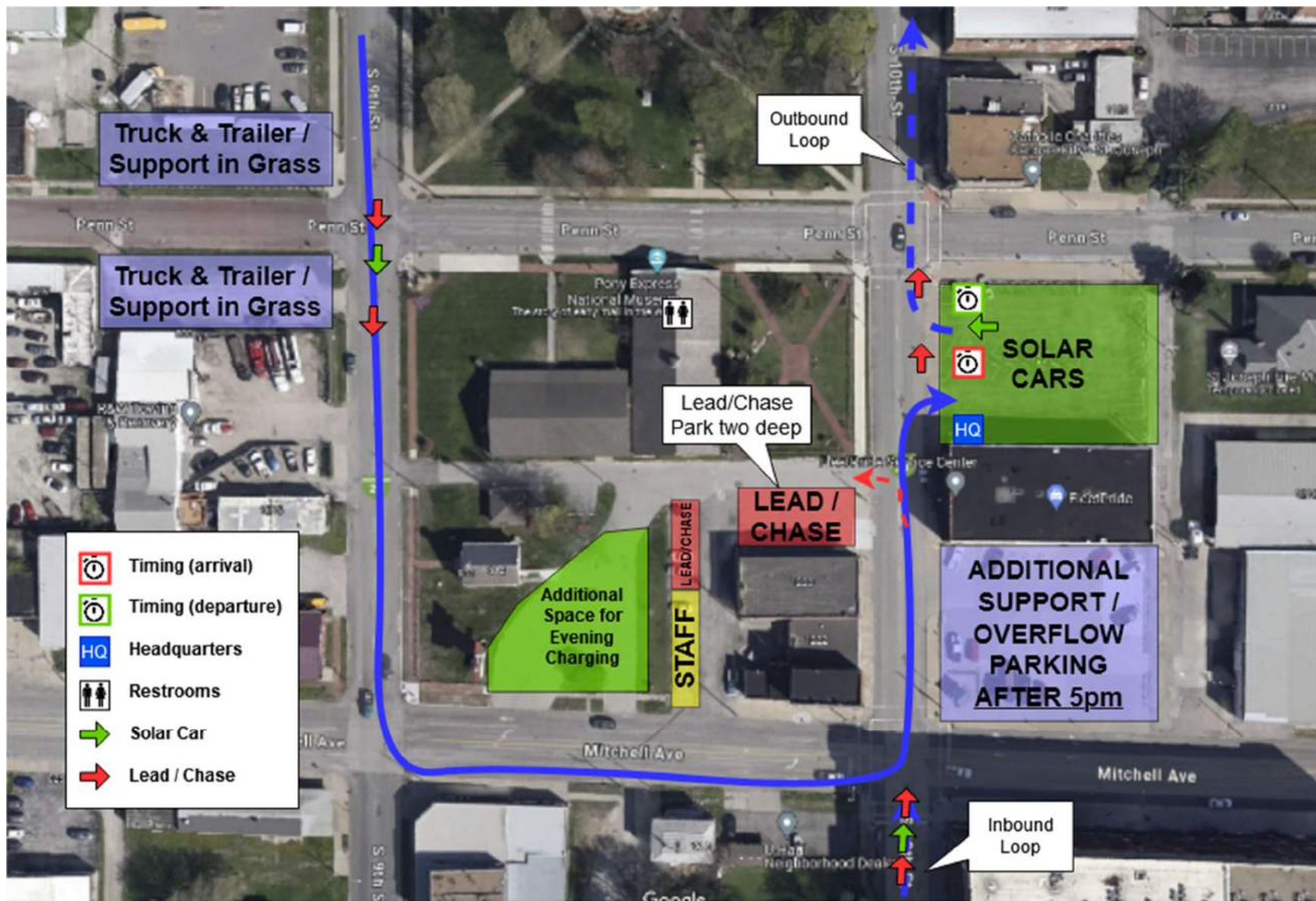
E134 Detail



St. Joseph Arrival Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 132	71.00	0.55	CONTINUE on US-59 North as it turns slightly left onto King Hill Ave	SL for King Hill	2	35	curb	fuel
E 133	71.80	0.80	MERGE LEFT - MUST be in the left lane at the I-229 interchange ahead	Bridge over RR tracks				fuel
E 134	72.10	0.30	CONTINUE STRAIGHT using the left lane.	SL for I-229 exit ramp, cross under I-229. DO NOT follow signs for US-59 North as it exits to the right after the underpass.				
E 135	73.40	1.30	TURN RIGHT onto Olive St. NO STOP SIGN OR SL. PAY ATTENTION!	"Motor Valet Car Wash" sign on far right corner. White with blue text, image of an old-timey car on the top. Building behind the signs says "Buggy Bath The Touch Free Car Wash" on it.				
E 136	73.50	0.10		Stop sign (4-way) for S 8th St				
E 137	73.60	0.10	TURN RIGHT at the Stop Sign onto S 9th St	One-way street				
E 138	73.85	0.25		Penn St. NOTE: Teams proceeding onward to Beatrice will be merging with you from the left here.				
E 139	73.90	0.05	TURN LEFT at Stop Sign (all way) onto Mitchell Ave	Pony Express Motel on near left corner.				
E 140	73.95	0.05	TURN LEFT at Stop Sign onto 10th St	One-way street. NOTE: Teams completing the St. Joseph Loop will be coming from the right here.		30		
E 141	74.00	0.05	TURN RIGHT into Pony Express Museum parking lot	Follow staff directions at stage stop				

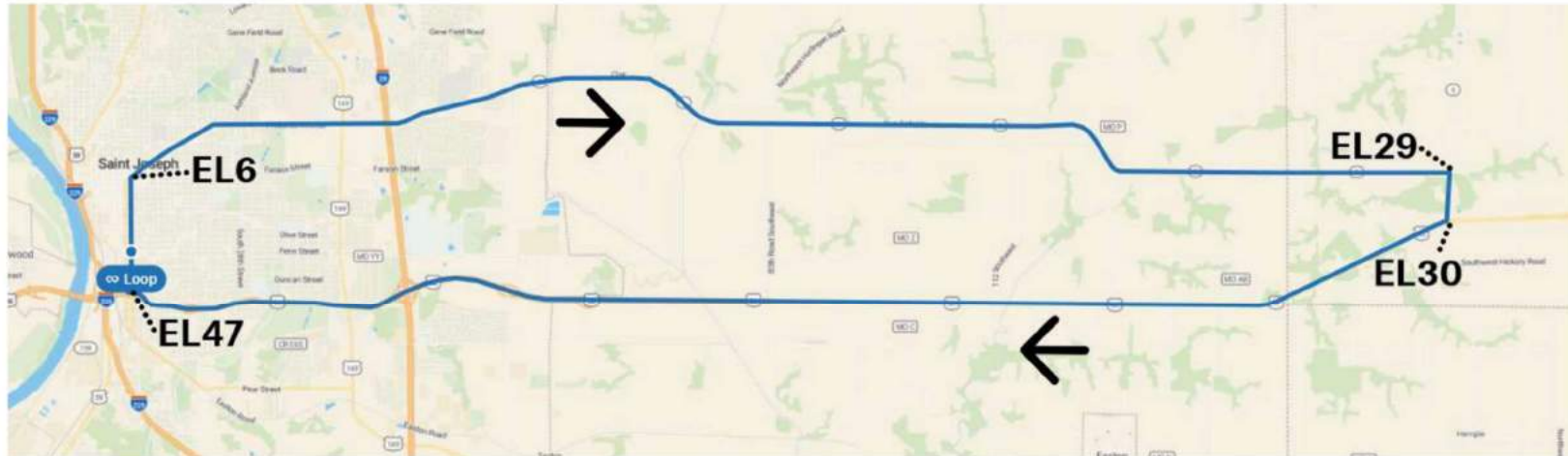


STAGE STOP – Pony Express National Museum – ST JOSEPH, MO

STAGE 2
OPTIONAL LOOP
(SEGMENT E LOOP)
ST. JOSEPH

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Saint Joseph Optional Loop

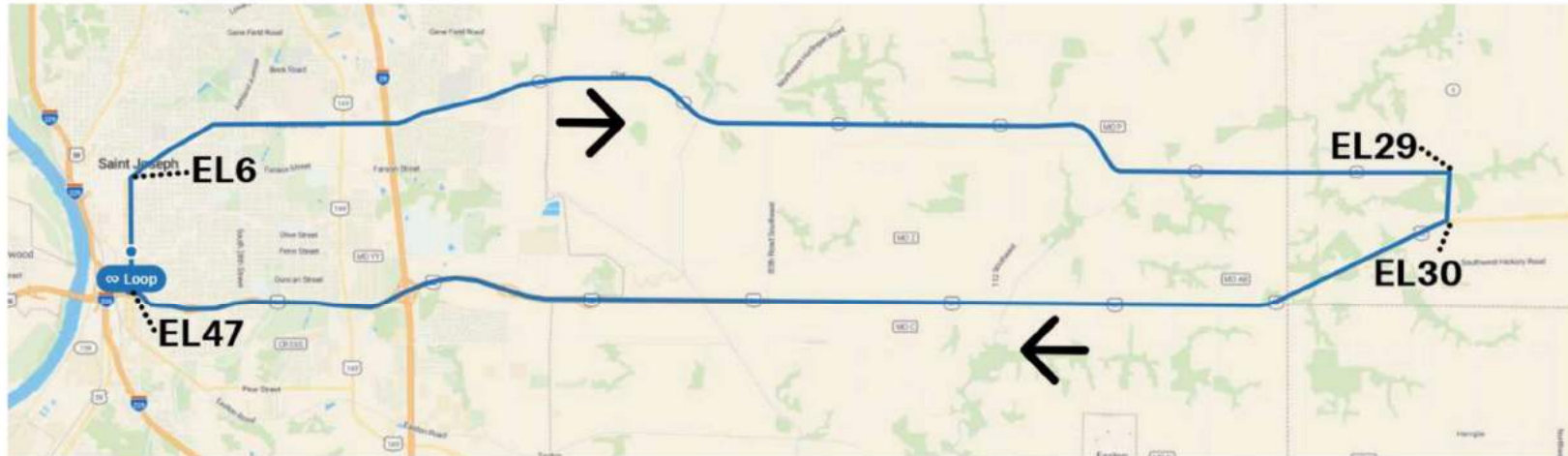


Saint Joseph Departure Detail

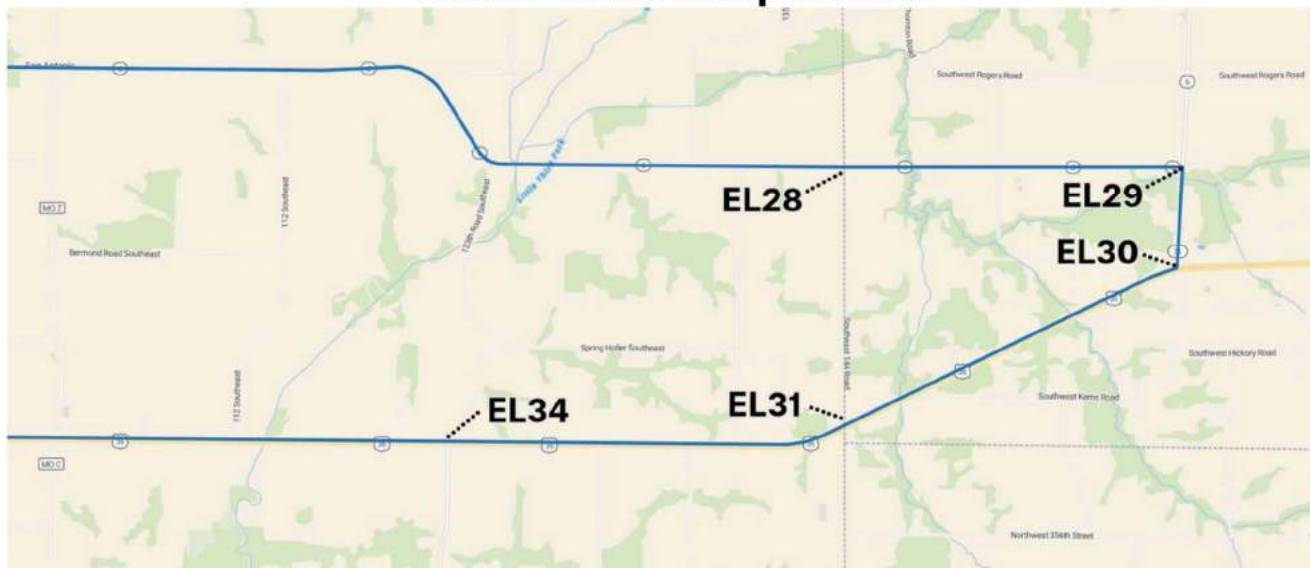


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 1	0.00		TURN RIGHT out of the parking lot and head north on 10th St	10th St and Penn St	2	30		
EL 2	0.50	0.50		SL for Messanie St				
EL 3	0.70	0.20		Stop sign (all-way) for Edmond St (one-way to the right)				
EL 4	0.75	0.05		Stop sign (all-way) for Felix St				
EL 5	0.80	0.05		Stop sign (all-way) for Francis St, Pony Express statue on left				
EL 6	0.85	0.05	TURN RIGHT at SL onto Frederick Ave			25		
EL 7	0.90	0.05	CONTINUE STRAIGHT on Frederick Ave	SL for 11th St / Faraon St (sign above SL directly in front of you says Frederick)				
EL 8	1.10	0.20		SL for 13th St				
EL 9	1.70	0.60		SL for 22nd St				
EL 10	2.00	0.30		SL for 26th St	2	25	curb	
EL 11	2.20	0.20		SL for Noyes Blvd				
EL 12	2.30	0.10				35		
EL 13	3.20	0.90		SL for 36th St, St Joseph Museums on right				
EL 14	3.40	0.20	CONTINUE STRAIGHT on MO-6	SL for US-169 / N Belt Hwy				
EL 15	3.60	0.20		SL for Village Dr				
EL 16	3.70	0.10		SL for Woodbine Rd				
EL 17	3.90	0.20		SLs for I-29		35		
EL 18	4.30	0.40		SL for Leonard Rd		40		
EL 19	4.60	0.30	MERGE LEFT soon - right lane is turn only at next SL	Flashing yellow for fire station on right				
EL 20	5.40	0.80	CONTINUE STRAIGHT on MO-6	SL for Riverside Rd / State Rd AC, Frederic Boulevard Baptist Church on corner	1	45	paved	

Saint Joseph Optional Loop

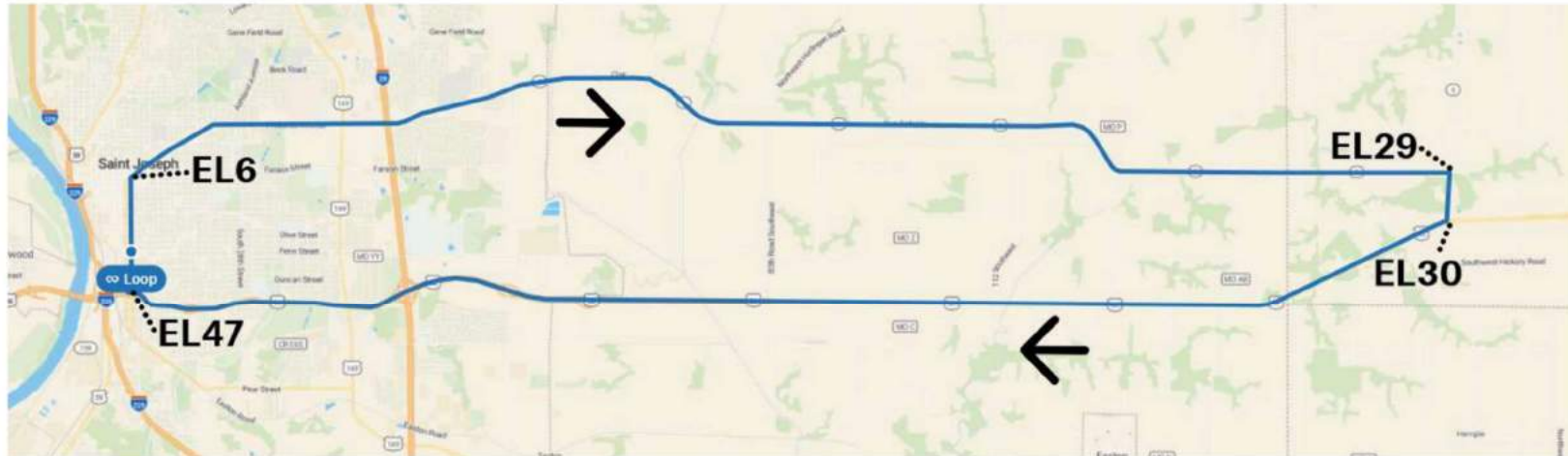


East End of Loop Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 21	5.90	0.50		Speed limit change at the end of short bridge over "102 River"		60		
EL 22	6.60	0.70		Jct W				
EL 23	7.70	1.10		Cross Platte River				
EL 24	8.50	0.80		Bessie Ellison School on right			none	
EL 25	10.00	1.50		Jct Z				
EL 26	12.10	2.10		Jct P				
EL 27	13.90	1.80		Jct AB				
EL 28	14.60	0.70		Entering Dekalb County				
EL 29	16.40	1.80	TURN RIGHT at Stop Sign onto MO-31 South	Caution: cross traffic does not stop	1	60	pvd, nar	
EL 30	17.00	0.60	TURN RIGHT at Stop Sign onto US-36 West	Rumble strips before stop sign, caution: cross traffic does not stop, 65mph road!	2	65	paved	
EL 31	19.00	2.00		Buchanan County				
EL 32	19.60	0.60		Jct AB				
EL 33	20.60	1.00		Hammer mailbox on right				
EL 34	21.10	0.50		Jct MO-31				
EL 35	23.30	2.20		Jct Z / Jct C, John Deere on right				
EL 36	23.80	0.50		Truck parking on right, very rough pavement				
EL 37	24.80	1.00		Phillips 66 on right				fuel
EL 38	25.60	0.80		Cross Platte River				
EL 39	26.50	0.90		Exit for Craig Pkwy				
EL 40	27.60	1.10		Entering St. Joseph (Pop 76,780), Exit for AC and Riverside Rd				
EL 41	28.80	1.20		Exit for I-29 / US-71 North				
EL 42	29.00	0.20		Exit for I-29 / US-71 South		55		
EL 43	29.50	0.50		Exit for US-169 / Belt Hwy				

Saint Joseph Optional Loop



Saint Joseph Arrival Detail (1)



Saint Joseph Arrival Detail (2)



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
EL 44	30.60	1.10		Exit for 28th St				
EL 45	31.50	0.90		Exit for 22nd St				
EL 46	32.00	0.50				45		
EL 47	32.20	0.20	EXIT RIGHT for 10th St / I-29 Business	Pony Express auto tour route				
EL 48	32.40	0.20	TURN LEFT onto 10th St at Stop Sign					
EL 49	32.50	0.10		Duncan St, signs California trail and Pony Express				
EL 50	32.70	0.20		Stop sign (all-way) at Mitchell Ave. NOTE: Teams arriving from Independence will be coming from the left here.				
EL 51	32.80	0.10	TURN RIGHT into Pony Express Museum parking lot	Arrive at stage stop				

STAGE 3

ELECTREK AMERICAN SOLAR CHALLENGE 2024

St. Joseph, MO – Gering, NE

July 24 – 26

STAGE 3 TIMING OVERVIEW

Time Zone	Central Time (24 Hour Format)		
Stage Start	Pony Express National Museum 914 Penn St, St Joseph, MO 64503	Nominal Start Time	09:00, July 24
Checkpoint	Homestead National Historical Park, Heritage Center 24405 SW 75th Rd, Beatrice, NE 68310 Mandatory Hold Time: 45 Minutes	Open Time Earliest Release Time Driving Resumption Time Close Time	11:15, July 24 15:30, July 24 15:45, July 24 15:45, July 24
Optional Loop	Beatrice Loop	Loop Close Time	16:00, July 24
Checkpoint	Great Platte River Road Archway Monument 3060 E 1st St, Kearney, NE 68847 Mandatory Hold Time: 45 Minutes	Open Time Earliest Release Time Driving Resumption Time Close Time	09:15, July 25 14:15, July 25 14:30, July 25 14:30, July 25
Optional Loop	Kearney Loop	Loop Close Time	14:45, July 25
Stage Finish	Scotts Bluff National Monument 190276 Old Oregon Trail, Gering, NE 69341	Open Time Nominal Close Time	09:30, July 26 18:00, July 26
Optional Loop	Gering Loop		

STAGE 3

SEGMENT F

ELECTREK AMERICAN SOLAR CHALLENGE 2024

St. Joseph, MO – Beatrice, NE

SUPPORT VEHICLE ROUTE

Recommend that support vehicles follow the solar car route along this segment.

Be aware of and courteous to other solar car teams.

Remember, your team can and will be penalized for the driving conduct of any vehicles affiliated with your team!

SOLAR CAR ROUTE OVERVIEW



SEGMENT F ST. JOSEPH, MO – BEATRICE, NE

STAGE START:
Pony Express National Museum
914 Penn St, St Joseph, MO 64503

CHECKPOINT:
Homestead National Historical Park, Heritage Center
24405 SW 75th Rd, Beatrice, NE 68310



See America by National Historic Trail



F1 - F17 Overview



St Joseph Departure Detail

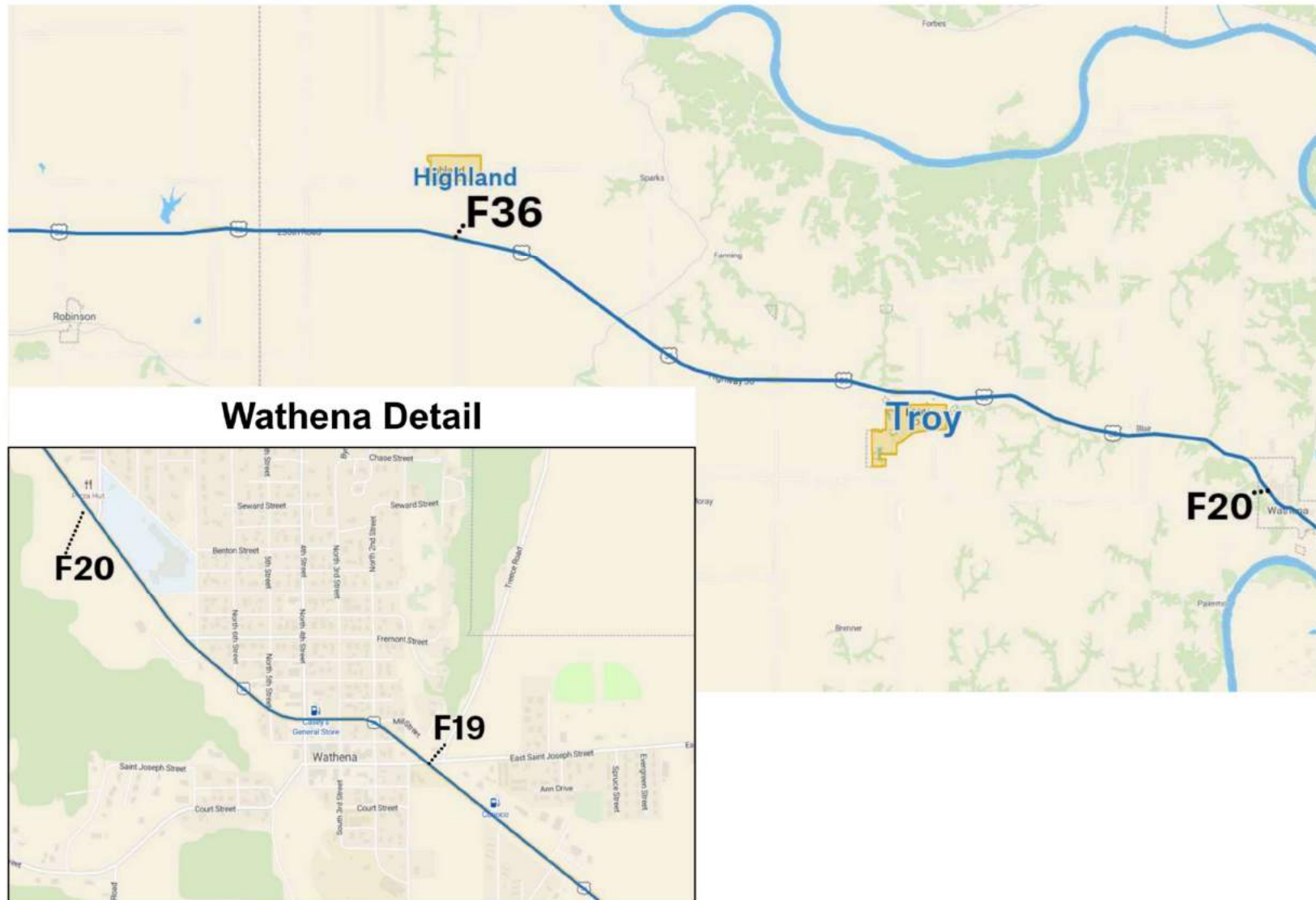


F6 - F8 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 1	0.00		TURN RIGHT out of Pony Express National Museum Parking Lot					
F 2	0.02	0.02	IMMEDIATELY TURN LEFT onto Penn St		1		paved, curb	
F 3	0.07	0.05	TURN LEFT at Stop Sign onto S 9th St	One way street NOTE: Teams arriving from Independence will be coming from the right	2		curb	
F 4	0.12	0.05	CONTINUE STRAIGHT on S 9th St	Stop Sign (all-way) for Mitchell Ave, Pony Express Motel on left.		30		
F 5	0.30	0.18		Monterey St				
F 6	0.50	0.20	TURN RIGHT onto ramp for US-36 West	California & Pony Express NHT Auto Tour Route signs				
F 7	0.60	0.10	MERGE LEFT to continue straight on US-36 West	Right lane exits ahead onto ramp for I-229 North / US-59 North	2		paved	
F 8	0.70	0.10		SL for US-59 / I-229				
F 9	0.80	0.10	CONTINUE STRAIGHT on US-36 West	Exit for MO-759 for 4th St and Stockyards				
F 10	1.00	0.20		Cross Missouri River, Pony Express Bridge, Entering Kansas		55		
F 11	1.40	0.40		Entering Elwood		65		
F 12	1.60	0.20		Exit for Roseport Rd				
F 13	2.80	1.20		Exit for KS-238				
F 14	4.60	1.80		Exit for 165th Rd				
F 15	4.90	0.30		Entering Wathena , mile marker 388				
F 16	5.40	0.50		Divided hwy ends		55		
F 17	5.70	0.30	MERGE RIGHT, left lane is turn only ahead			45		

F18 - F41 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 18	6.00	0.30		Phillips 66 on right	1	30	curb	fuel
F 19	6.20	0.20		E St. Joseph St, Welcome to Wathena, Lewis & Clark historical marker to right				
F 20	7.00	0.80		Riverside Middle School on right, speed change after 9th St		45		food
F 21	7.70	0.70				55		
F 22	7.90	0.20				65		
F 23	8.90	1.00		Saratoga Rd	1		gravel	
F 24	9.90	1.00		Entering Blair Unincorporated				
F 25	11.00	1.10		Peck Rd				
F 26	12.00	1.00		Oxide Rd				
F 27	12.70	0.70		picnic pulloff on left				
F 28	14.00	1.30		Entering Troy (sign on left), Locust St / Troy Business District				
F 29	14.70	0.70		Mesquito Creek Rd, Dollar General on right				
F 30	14.90	0.20		Exit for KS-136 / Troy, Pony Express rider on right				
F 31	16.20	1.30		Larkinburg Rd				
F 32	17.40	1.20		Exit for KS-7 / Atchison & White Cloud				
F 33	19.20	1.80		Half Mound Rd, followed by mile marker 372				
F 34	20.30	1.10		Freeport Rd / 150th Rd				
F 35	21.20	0.90		Cross Wolf River				
F 36	24.70	3.50		Exit for KS-120 Highland Community College				
F 37	28.00	3.30		Ashpoint Rd, turnoff for Leona				
F 38	28.90	0.90		Brown County Line				
F 39	29.70	0.80		Exit for Timber Rd				
F 40	32.70	3.00		Exit for Raccoon Rd/Robinson				
F 41	36.70	4.00		Exit for Mulberry Rd, mile marker 355				

F42 - F68 Overview



Hiawatha Detail

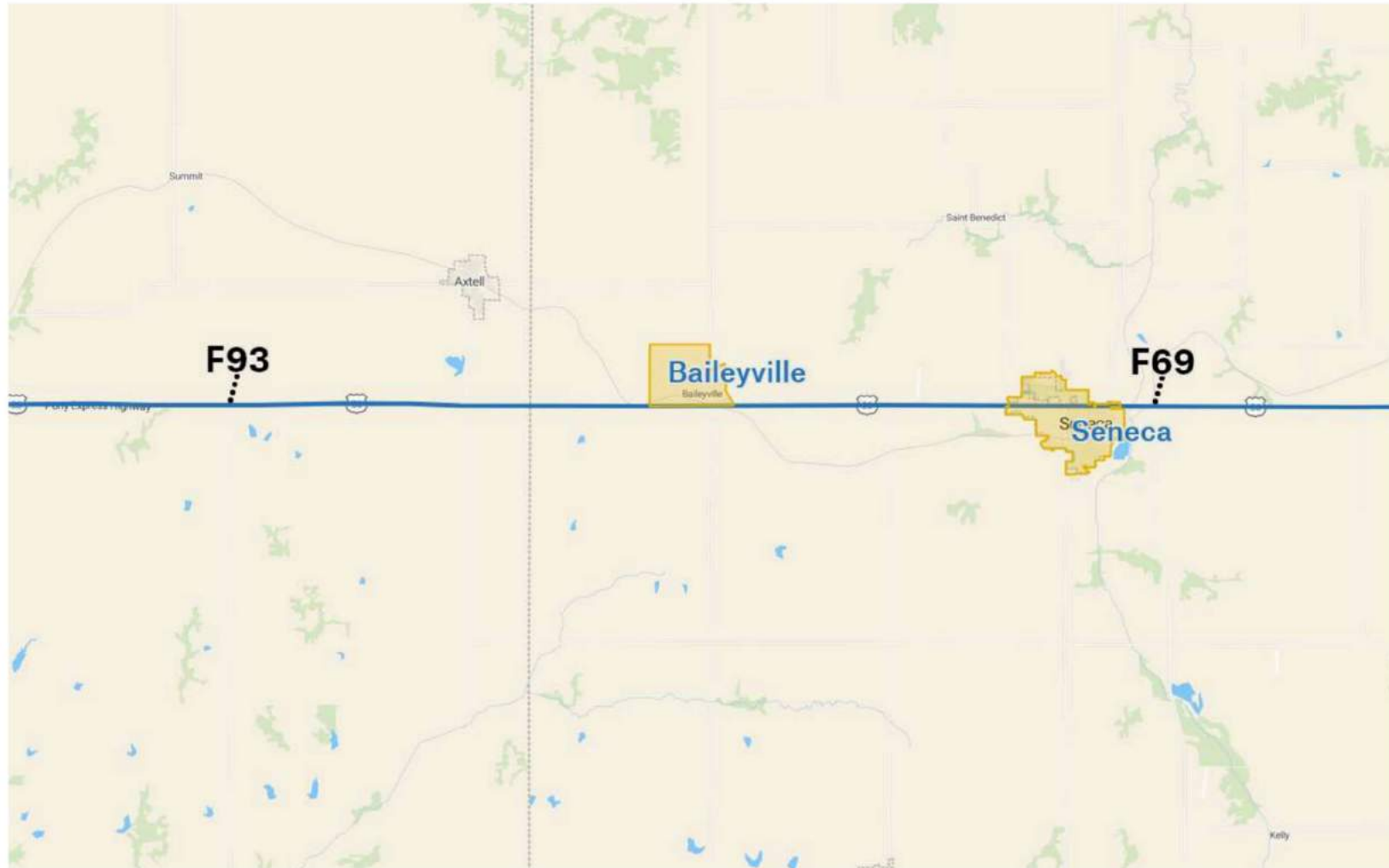


Fairview Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 42	38.70	2.00		Exit for US-73 / US-159 for Hiawatha & Horton. Mile marker 353				all services
F 43	39.30	0.60		"Pony Express Highway" sign				
F 44	39.70	0.40		Exit for 12th St				
F 45	40.50	0.80		Right-to-left S-curve ahead		55		
F 46	41.40	0.90				65		
F 47	45.10	3.70		Goldfinch Rd, Kickapoo Nation School to the left				
F 48	49.20	4.10		Coyote Rd, turnoff for Morrill				
F 49	49.30	0.10				55		
F 50	49.60	0.30				40		
F 51	49.70	0.10		Entering Fairview , High St		40		
F 52	50.30	0.60		TA Truck Stop on left, cross under US-75				fuel
F 53	50.70	0.40				65		
F 54	51.20	0.50		Bittersweet Rd				
F 55	53.20	2.00		Acorn Rd				
F 56	54.20	1.00		X Rd				
F 57	55.20	1.00		W Rd / West Rd				
F 58	56.20	1.00		V Rd				
F 59	57.20	1.00		U Rd, turnoff for Woodlawn				
F 60	58.20	1.00		T Rd				
F 61	59.20	1.00		S Rd / South Rd				
F 62	60.20	1.00		R Rd				
F 63	61.20	1.00		KS-236 / Q Rd				
F 64	62.20	1.00		P Rd				
F 65	63.20	1.00		O Rd				
F 66	64.20	1.00		N Rd / North Rd				
F 67	65.10	0.90		M Rd (only on left)				
F 68	66.10	1.00		L Rd				

F69 - F93 Overview

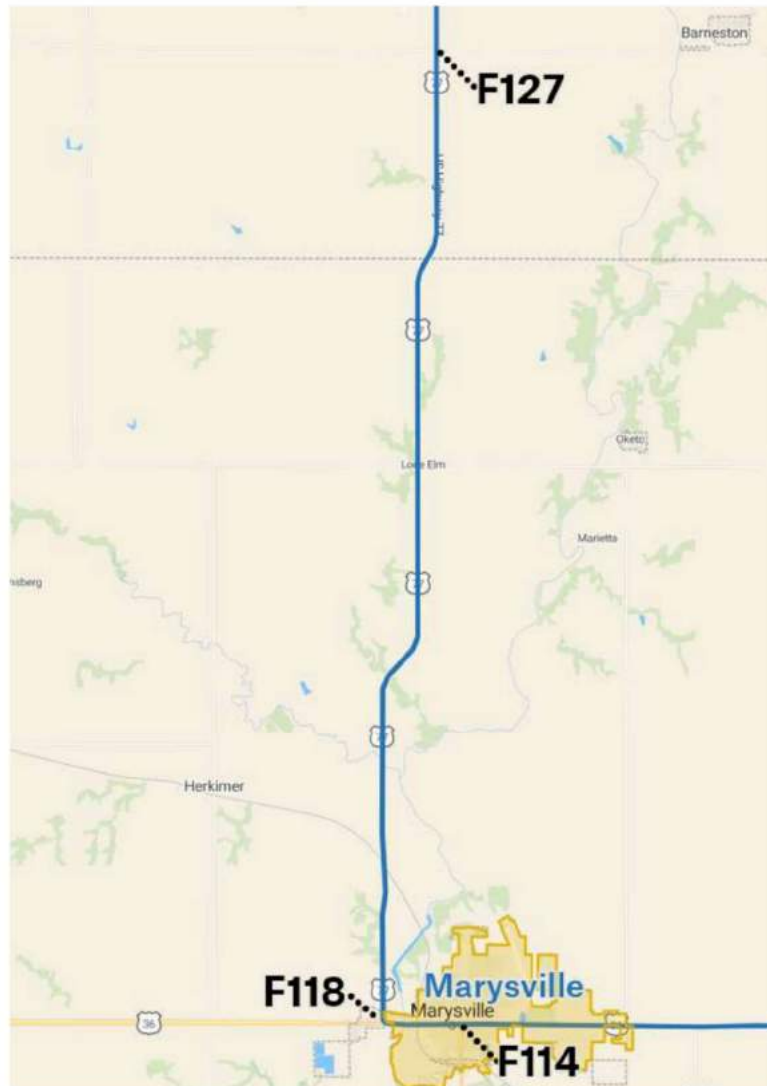


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 69	66.60	0.50		KS-63 South				
F 70	66.80	0.20		Cross RR Tracks				
F 71	67.00	0.20		South Fork of the Nemaha Creek				
F 72	67.30	0.30		Seneca Sign		45		
F 73	67.40	0.10	Stay in right lane - left lane is turn only at 11th St on the other end of town	Seneca City Limit, KS-63 North, McDonalds & Sinclair	2	35	curb	food & fuel
F 74	67.80	0.40		SL for N 6th St				
F 75	68.10	0.30	Must be in right lane - left is turn only.	Cross N 11th St, Conoco on near right corner, Casey's on far left corner	1	45		fuel
F 76	68.60	0.50		Community Dr, Dollar General on right				
F 77	68.80	0.20				60		
F 78	69.10	0.30		Jct KS-178				
F 79	69.30	0.20				65	paved	
F 80	71.10	1.80		Jct KS-187 / G Rd, turnoff for Centralia Lake				
F 81	72.10	1.00		F Rd				
F 82	73.10	1.00		E Rd				
F 83	73.90	0.80	Gain passing lane for the next 3/4 mile	Entering Baileyville (Unincorporated)				
F 84	74.00	0.10		RR track				
F 85	75.10	1.10		C Rd				
F 86	75.60	0.50		B4 Rd (on left)				
F 87	76.10	0.50		B Rd (on left)				
F 88	77.10	1.00		A Rd / 31st Rd, Marshall County Line				
F 89	78.10	1.00		Jct KS-110 / 30th Rd				
F 90	79.30	1.20		29th Rd				
F 91	80.10	0.80		28th Rd				
F 92	81.10	1.00		27th Rd				
F 93	82.10	1.00		Jct KS-87 / 26th Rd				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 94	83.10	1.00		25th Rd				
F 95	85.10	2.00		23rd Rd				
F 96	86.30	1.20				60		
F 97	86.60	0.30		KS-99, mile marker 305				
F 98	86.90	0.30		California & Pony Express Auto Tour signs (very faded)		65		
F 99	88.40	1.50		"Experience the Flint Hills" sign, 19th Rd				
F 100	90.10	1.70		18th Rd, Waste Disposal to left, access to Winifred				
F 101	91.70	1.60		Mile marker 300		55		
F 102	91.90	0.20		Entering Home City Unincorporated, RR Tracks		40		fuel
F 103	92.40	0.50		"Marysville 6" sign		55		
F 104	92.60	0.20		Mile marker 299		65		
F 105	93.10	0.50		15th Rd				
F 106	94.10	1.00		14th Rd				
F 107	95.30	1.20		13th Rd				
F 108	96.20	0.90		Marysville city limit, Pony Express Trail crossing, just before 12th Rd. How many painted black squirrel statues can you spot in town?		50		
F 109	97.00	0.80				45		
F 110	97.50	0.50		Oregon, California, and Pony Express sign, Historical Marker pulloff	1			
F 111	98.10	0.60		SL for 20th St		30	curb	fuel
F 112	98.30	0.20		17th St, Pony Express Rider on Water Tower, "Black Squirrel City" Sign		30		
F 113	98.50	0.20		SL for N 14th St				
F 114	98.70	0.20		SL for N 10th St / US-77				

F115 - F130 Overview



Marysville Detail (2)



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 115	98.90	0.20		SL for N 8th St, Pony Express Museum to right				
F 116	99.30	0.40		Bridge over RR Tracks and cross over Big Blue River		45		
F 117	99.70	0.40		Speed limit change at the end of the bridge		50		
F 118	100.00	0.30	EXIT RIGHT to US-77 North towards Beatrice NO STOP SIGN OR SL, PAY ATTENTION!		1	65	paved	
F 119	100.20	0.20		Marysville Livestock Inc to right: white sign with green text				
F 120	102.10	1.90		RR Tracks (2 sets)	1		narrow gravel	
F 121	106.00	3.90		Eagle Rd, mile marker 236				
F 122	107.90	1.90		Jct KS-233 / Cherokee Rd				
F 123	108.80	0.90		Bison Rd				
F 124	111.00	2.20		Leaving Kansas, Entering Nebraska				
F 125	112.10	1.10		E Willow Rd				
F 126	113.10	1.00		E Walnut Rd				
F 127	114.10	1.00		Junction NE-8 with flashing yellow				
F 128	115.00	0.90		Bethel Cemetery on right				
F 129	116.10	1.10		E Spruce Rd				
F 130	118.80	2.70		Big Indian Creek				

F131 - F148 Overview



Wymore & Blue Springs Detail

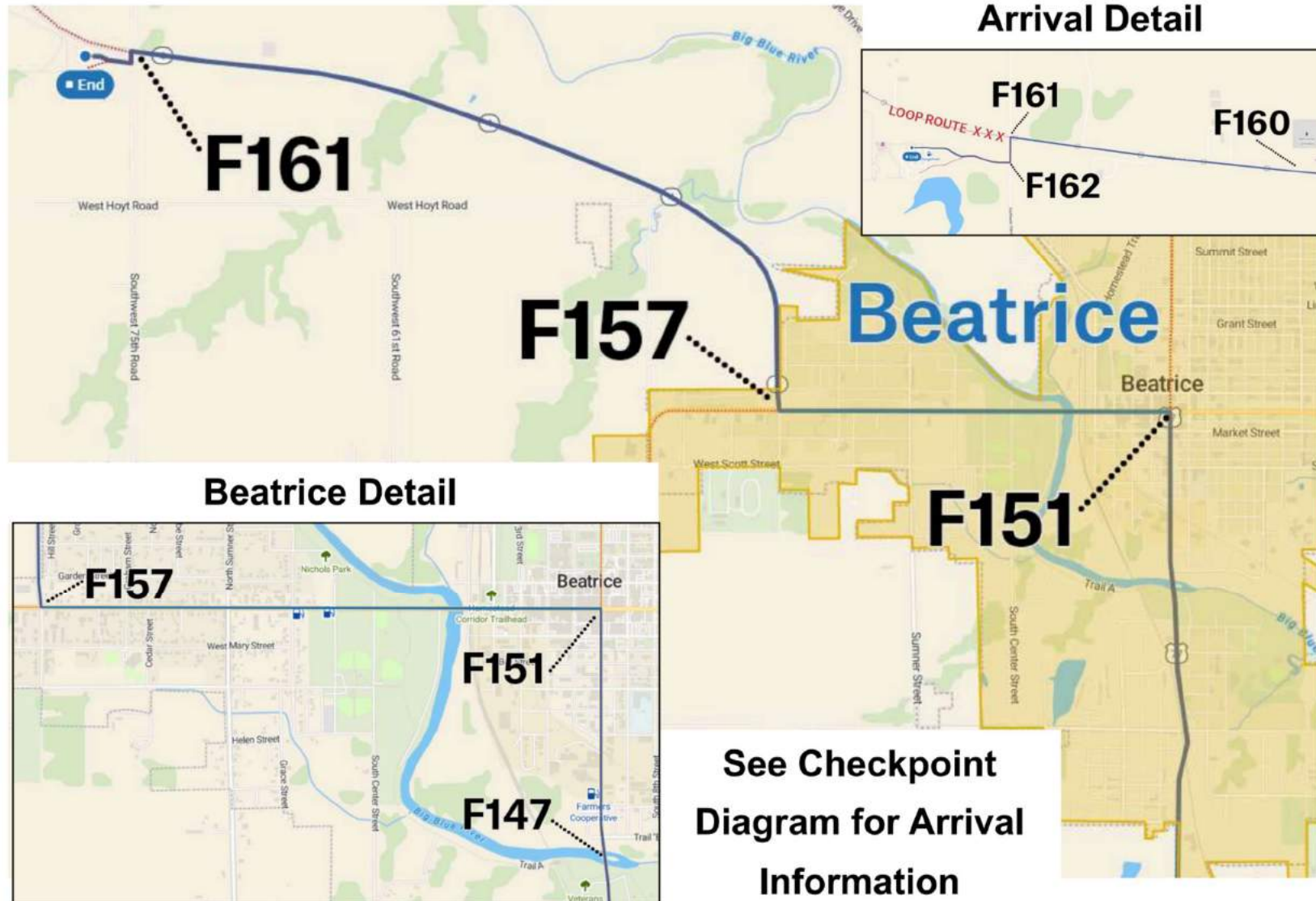


F143 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 131	119.30	0.50		Entering Wymore (Pop 1,656)		45		
F 132	119.40	0.10		W A St				
F 133	119.60	0.20		D St, Shell on left		35		fuel
F 134	119.80	0.20		H St, Casey's on left		45		
F 135	120.30	0.50				65		
F 136	120.40	0.10	CONTINUE to follow US-77 North as it curves left after the bridge over Bills Creek	Entering Blue Springs (Pop 383)				
F 137	121.10	0.70		Broad St				
F 138	124.50	3.40	FOLLOW LANES of US-77 to the right toward Lincoln	Jct NE-112			paved	
F 139	126.10	1.60		Osage Rd				
F 140	127.10	1.00		Oak Rd, mile marker 16				
F 141	128.40	1.30		"National Park Information Tune Radio to 1610 AM" sign				
F 142	129.10	0.70		Linden Rd, Holmesville 5 miles to the right, mile marker 18				
F 143	130.10	1.00		Locust Rd, Pro Harvest Seeds sign on right NOTE: Teams driving the Beatrice loop will be approaching from ahead of you and turning right here. 2-way solar car traffic until step F 151				
F 144	131.40	1.30		Homestead National Historical Park sign, Welcome to Beatrice				
F 145	131.60	0.20		Beatrice Concrete Company	2	50	paved	
F 146	131.90	0.30		Speed limit change just after Granville Ave and before the bridge over RR tracks ahead		40	curb	
F 147	132.70	0.80		Cross Big Blue River				
F 148	132.80	0.10		Speed limit change just after Caldwell St / S 5th St		35		

F149 to Checkpoint Overview



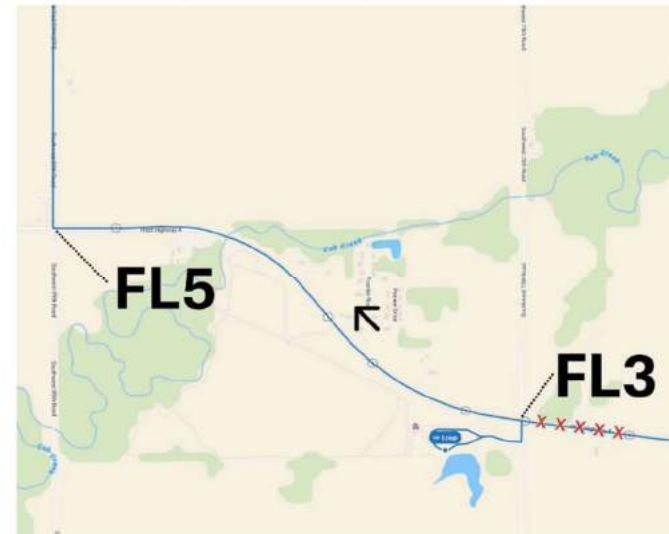
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
F 149	133.00	0.20		Perkins St, Schoen's Roofing on right		25		
F 150	133.35	0.35		SL for Market St / Truck Route / US-136 East / NE-4 East				
F 151	133.40	0.05	TURN LEFT at SL onto US-136 West / NE-4 West	Follow signs for Homestead National Historical Park. Pinnacle Bank on near left corner.	1		parking	
F 152	133.45	0.05		SL for 5th St				
F 153	133.50	0.05		SL for 4th St				
F 154	133.70	0.20		RR Tracks, caboose & old windmill on right				
F 155	133.75	0.05		Big Blue River				
F 156	133.80	0.05		Speed change just after Memorial Dr	1	35	curb	
F 157	134.90	1.10	TURN RIGHT at SL for Hwy 4 and Sherman St to follow NE-4	Nebraska Department of Roads building on right soon after turn NOTE: Teams driving the Beatrice Loop will be approaching from ahead of you and turning to join your route here. Teams continuing onward to Kearney will be approaching from the right. 2-way solar car traffic from here to the end.	1	40	paved	
F 158	135.20	0.30		"Homestead National Historical Park 4 miles" sign		55		
F 159	136.80	1.60		Blue Valley Door Company on right				
F 160	137.50	0.70		First Mennonite Church on right				
F 161	138.00	0.50	TURN LEFT using the dedicated left turn lane onto SW 75th Rd for Heritage Center NO STOPLIGHT OR SL. PAY ATTENTION!	Turnoff for Homestead National Historical Park Heritage Center				
F 162	138.05	0.05	TURN RIGHT into Homestead National Historical Park Heritage Center			15		
F 163	138.20	0.15	Arrive at checkpoint	Follow staff directions				



STAGE 3
OPTIONAL LOOP
(SEGMENT F LOOP)
BEATRICE

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Checkpoint Departure Detail

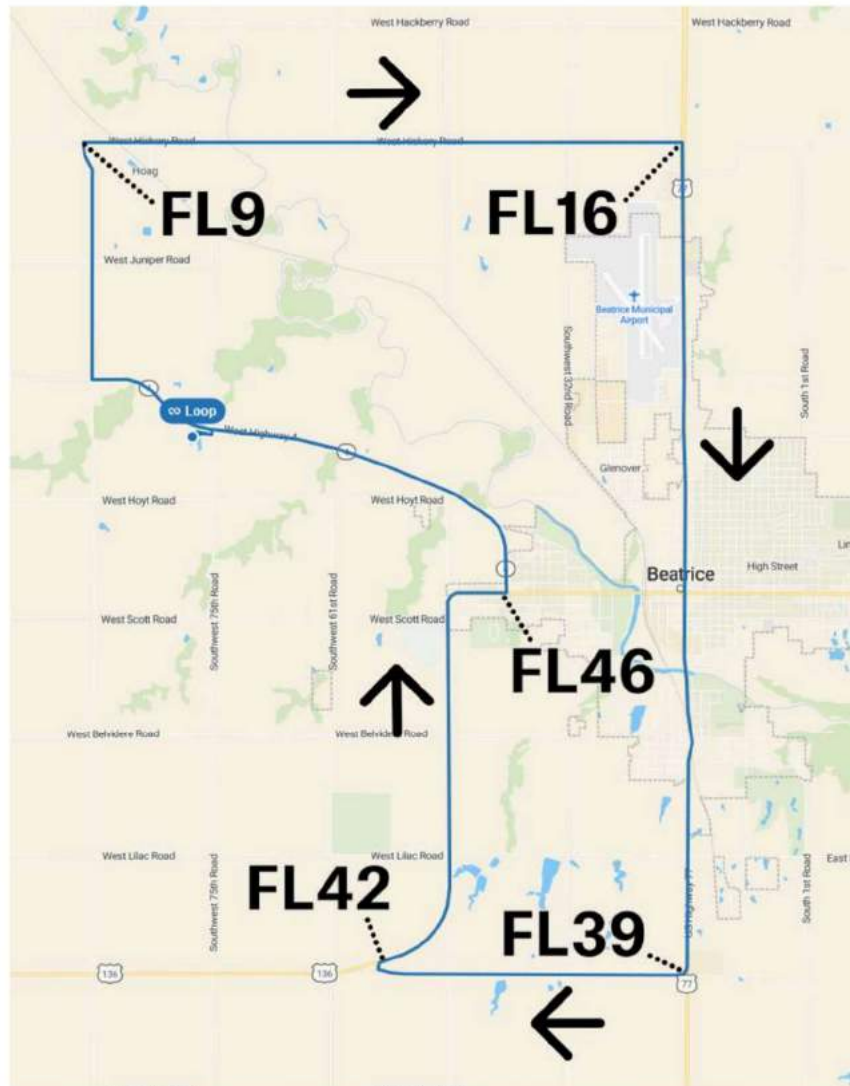


FL16 - FL21 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
FL 1	0.00		Leaving checkpoint					
FL 2	0.20	0.20	TURN LEFT at Stop Sign onto SW 75th Rd					
FL 3	0.25	0.05	TURN LEFT at Stop Sign onto NE-4 West	Caution: cross traffic does not stop	1	45	none	
FL 4	1.00	0.75		Education Center on left				
FL 5	1.30	0.30	TURN RIGHT onto SW 89th Rd No stop sign or SL! Pay attention!	Freeman School on far left corner	1	50	none	
FL 6	2.10	0.80		"Caution Trucks Entering"				
FL 7	2.30	0.20		W Juniper Rd, Nutrien Homestead Terminal ahead				
FL 8	3.00	0.70				35		
FL 9	3.40	0.40	TURN RIGHT at Stop Sign onto W Hickory Rd	T-intersection		50		
FL 10	3.70	0.30		Cross RR Tracks				
FL 11	3.80	0.10				55	grass / gravel	
FL 12	5.50	1.70		SW 61st Rd, 2 blue silos on right				
FL 13	6.40	0.90		SW 45th Rd				
FL 14	7.40	1.00		SW 32nd Rd				
FL 15	8.30	0.90		Hospital Pkwy				Hospital
FL 16	8.40	0.10	TURN RIGHT at stop sign onto N 6th St US-77 / Homestead Expressway	T-intersection, divided hwy, caution: cross traffic does not stop	1	60	paved	
FL 17	8.90	0.50		Hospital Pkwy, John Deere on right				
FL 18	9.20	0.30		Ford Dealership on right		50		
FL 19	9.30	0.10		"Welcome to Beatrice" sign on right				
FL 20	9.40	0.10		Commerce St				lodging
FL 21	9.70	0.30	CONTINUE STRAIGHT on US-77 South / N 6th St	SL for Air Park Rd, Beatrice Municipal Airport on right ahead		50	paved	

Beatrice Optional Loop



Beatrice Detail

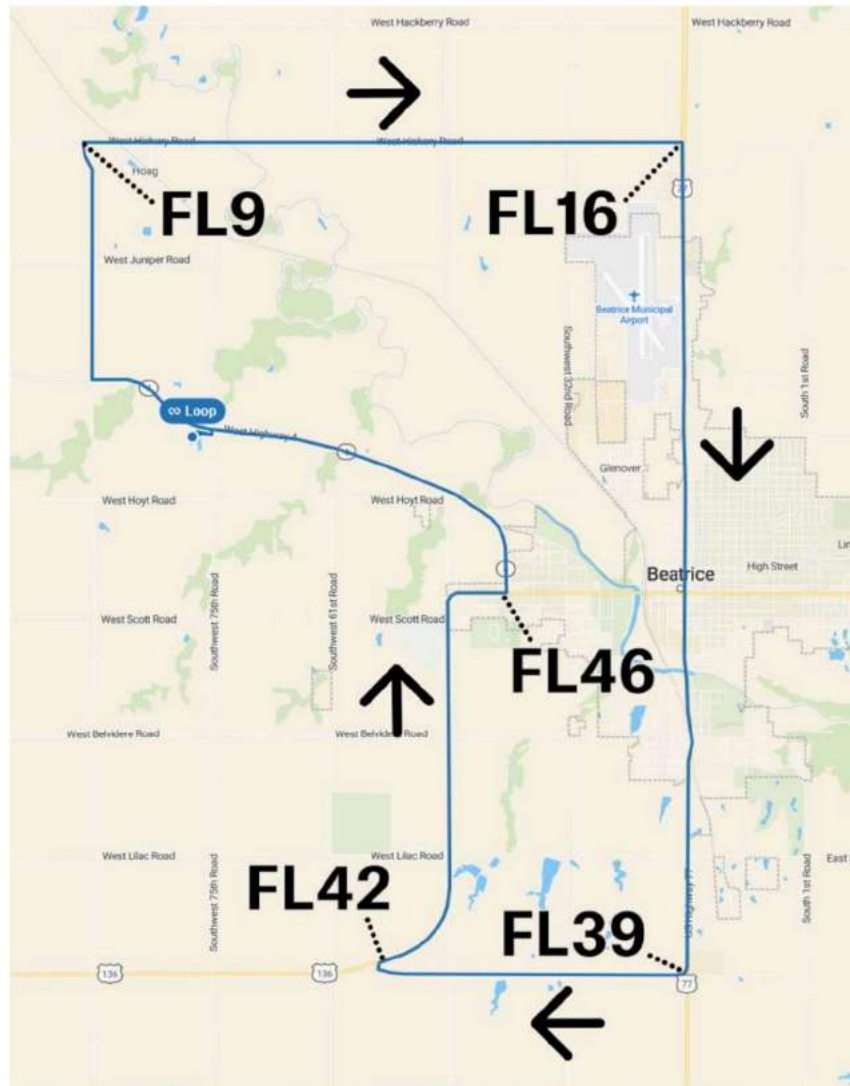


FL39 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
FL 22	10.30	0.60				40		
FL 23	10.40	0.10		Speed limit change just after Sargent St, Buchheit and Superwash on right		35		
FL 24	10.60	0.20		SL for Industrial Row	2		curb	food
FL 25	10.90	0.30		SL for Dorsey St				
FL 26	11.30	0.40		SL for Monroe St				food
FL 27	11.80	0.50		SL for Lincoln St				
FL 28	11.90	0.10		Speed limit change at Grant St, Burger King on right		25		
FL 29	12.00	0.10		SL for High St				
FL 30	12.20	0.20		SL for Ella St / US-136 West / NE-4 West / Truck Route NOTE: Teams arriving from St. Joseph will be approaching from in front of you and turning left here. 2-way solar car traffic until step FL 39				
FL 31	12.25	0.05		SL for Court St / US-136 / NE-4				
FL 32	12.30	0.05		SL for Market St				
FL 33	12.60	0.30		Speed change at Perkins St		35		
FL 34	12.90	0.30		Cross Big Blue River				
FL 35	12.95	0.05		Veterans Memorial Dr, park on right		40		
FL 36	13.50	0.55		Bridge over RR tracks	2			
FL 37	13.70	0.20	MERGE LEFT, right lane ends ahead	Speed change at Granville Ave		50		
FL 38	14.00	0.30			1	65		
FL 39	15.40	1.40	EXIT RIGHT using the right turn lane off of US-77, merge left at yield sign onto Locust Road NO GOOD SIGNAGE. EASY TO MISS. PAY ATTENTION!	Beatrice Compressor Station on left before the turn. White "DO NOT DRIVE ON SHOULDER" sign on right after completing the turn.		55		

Beatrice Optional Loop



FL41 - FL42 Detail



West Beatrice Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
FL 40	16.40	1.00		SW 32nd Rd				
FL 41	18.00	1.60	EXIT RIGHT following signs for US-136 East	Toward Beatrice				
FL 42	18.10	0.10	TURN RIGHT at Stop Sign onto US-136 East	T-intersection. Cross traffic does not stop	1	65	paved	
FL 43	19.50	1.40		Brown sign on right: Homestead National Historic Park. Follow US-136 to NE-4				
FL 44	20.80	1.30		Mile marker 175. Entering Beatrice (Pop 12,699)		50		
FL 45	21.30	0.50		Scott Rd, Southeast Community College on left, follow curve to the right ahead		40	curb	
FL 46	22.10	0.80	TURN LEFT at SL onto NE-4 West, follow signs for Homestead	NOTE: Teams arriving from St. Joseph will be approaching from in front of you and joining your route here				
FL 47	22.40	0.30		"Homestead National Historical Park 4 miles" sign		55		
FL 48	23.80	1.40		Blue Valley Door Company on right				
FL 49	24.70	0.90		First Mennonite Church on right				
FL 50	25.20	0.50	TURN LEFT using the dedicated left turn lane onto SW 75th Rd for Heritage Center NO STOPLIGHT OR SL. PAY ATTENTION!	speed limit change at start of left turn lane		45		
FL 51	25.25	0.05	TURN RIGHT into Homestead National Historical Park			15		
FL 52	25.40	0.15	Arrive at checkpoint	Follow staff directions				

STAGE 3

SEGMENT G

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Beatrice, NE – Kearney, NE

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Support Route in solid red – Solar Car Route shown in dotted line for reference

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

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	TURN LEFT at Stop Sign onto SW 75th Rd	Exiting Homestead parking lot
200 ft	TURN LEFT at Stop Sign onto NE-4 West	Opposite direction of solar car caravans
19.4 mi	TURN RIGHT at Stop Sign on NE-15 North	Must turn, gravel road ahead
24.1 mi	TURN LEFT at the stop sign onto US-6 West	T-intersection, must turn
63.4 mi	TURN RIGHT at SL towards US-34 and US-281 / Showboat Blvd	Power substation on right
4.4 mi	TURN RIGHT at SL for Hwy 281	
13.6 mi	TURN LEFT after crossing over I-80 onto onramp for I-80 West	
36.2 mi	EXIT RIGHT at Exit 275 for NE-10 North and Kearney E. Entrance	
0.2 mi	TURN RIGHT at the stop sign at the top of the exit onto NE-10	
0.1 mi	TURN LEFT with signs towards the Archway Monument and Tourist Info	
0.6 mi	Arrive at the checkpoint	Follow staff directions

Approx. 162 miles (2 hr, 31 min)

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

SOLAR CAR ROUTE OVERVIEW



SEGMENT G BEATRICE, NE – KEARNEY, NE

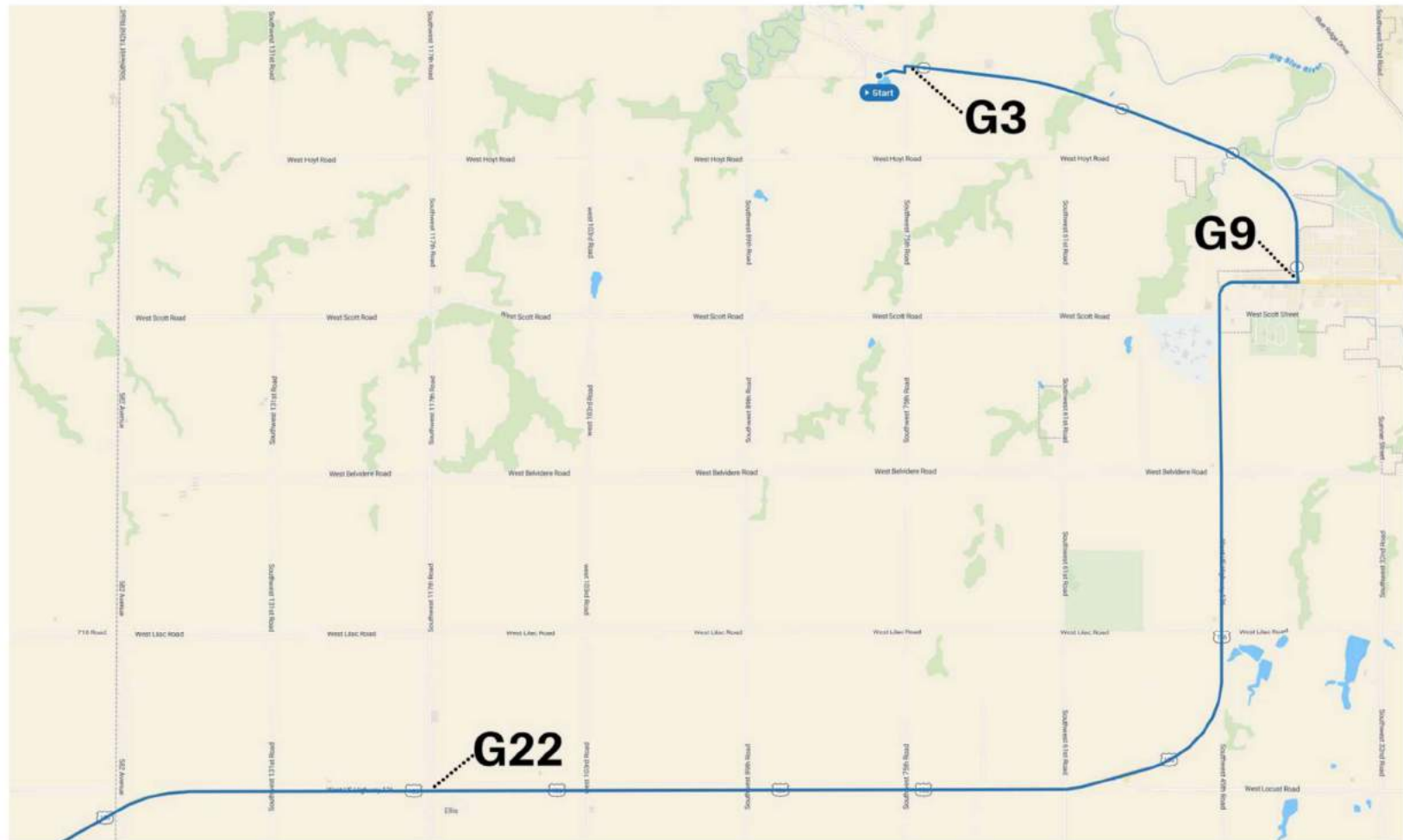
CHECKPOINT:
Homestead National Historical Park, Heritage Center
24405 SW 75th Rd, Beatrice, NE 68310

CHECKPOINT:
Great Platte River Road Archway Monument
3060 E 1st St, Kearney, NE 68847



See America by National Historic Trail

G1 - G23 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 1	0.00		Leaving checkpoint	Note: 2-way solar car traffic until step G17				
G 2	0.15	0.15	TURN LEFT at Stop Sign onto SW 75th Rd					
G 3	0.20	0.05	TURN RIGHT at Stop Sign onto NE-4 West	Caution: cross traffic does not stop	1	55	none	
G 4	0.70	0.50		First Mennonite Church on left				
G 5	1.60	0.90		Blue Valley Door Company on left				
G 6	2.60	1.00		River Road				
G 7	2.90	0.30				40		
G 8	3.00	0.10		Entering Beatrice (Pop 12,669)				
G 9	3.30	0.30	TURN RIGHT at SL for Court St onto US-136 West		1	40	curb	
G 10	3.50	0.20		Logan St, Fairgrounds to left		40		
G 11	3.80	0.30	CURVE LEFT to follow US-136 West	SW 45 Rd				
G 12	4.00	0.20		Southeast Community College on right				
G 13	4.10	0.10				50	paved	
G 14	4.60	0.50		Mile marker 175		65		
G 15	5.00	0.40		Belvedere Ave, Southeast Community College Agriculture Center on right				
G 16	6.00	1.00		Lilac Rd, "Hidden Acres Golf Course" sign on right				
G 17	7.30	1.30		Locust Rd on left				
G 18	8.70	1.40		SW 75th Rd				
G 19	9.70	1.00		SW 89th Rd				
G 20	10.70	1.00		SW 103 Rd, mile marker 169				
G 21	11.50	0.80		Entering Ellis (unincorporated)				
G 22	11.70	0.20		SW 117th Rd				
G 23	13.70	2.00		Entering Jefferson County, SW 142 Rd				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 24	14.80	1.10		Junction NE-103 / 581st Ave				
G 25	16.90	2.10		Entering Harbine (Pop 66)				
G 26	18.10	1.20		Turnoff for Plymouth, 578th Ave				
G 27	21.10	3.00		Turnoff for Cub Creek Recreational Area, 575th Ave				
G 28	22.70	1.60		RR Tracks				
G 29	22.80	0.10		Entering Jansen (Pop 143)		45		
G 30	23.30	0.50		Speed limit change just before grain elevators on left		65		
G 31	25.50	2.20		571st Ave, mile marker 154				
G 32	26.90	1.40		713th Rd, Historical Marker with pulloff on left				
G 33	28.10	1.20		Garber's Honda on right		45		
G 34	28.30	0.20				35		
G 35	28.40	0.10		Welcome to Fairbury (Pop 3970)	2		curb	
G 36	28.60	0.20		SL for NE-15		35		
G 37	29.20	0.60	MERGE LEFT, right lane ends ahead	Cross C St, Sinclair on right	2			fuel
G 38	29.40	0.20		Jct Elm St	1	45		
G 39	29.50	0.10		Oak St, turnoff for Lime Kiln Historical Site to right				
G 40	29.60	0.10		River Rd, historical site 4 miles to the right				
G 41	29.80	0.20		Bridge over RR tracks				
G 42	29.90	0.10				65	paved	
G 43	30.10	0.20		Cross Little Blue River				
G 44	31.10	1.00		566th Rd, Transfer Station to right	1		grass	
G 45	35.00	3.90		Turnoff for Daykin, 562nd Ave				
G 46	36.00	1.00		Little Blue NRD water tower on right, turnoff for Gladstone, 561st Ave		65		

G47 - G66 Overview



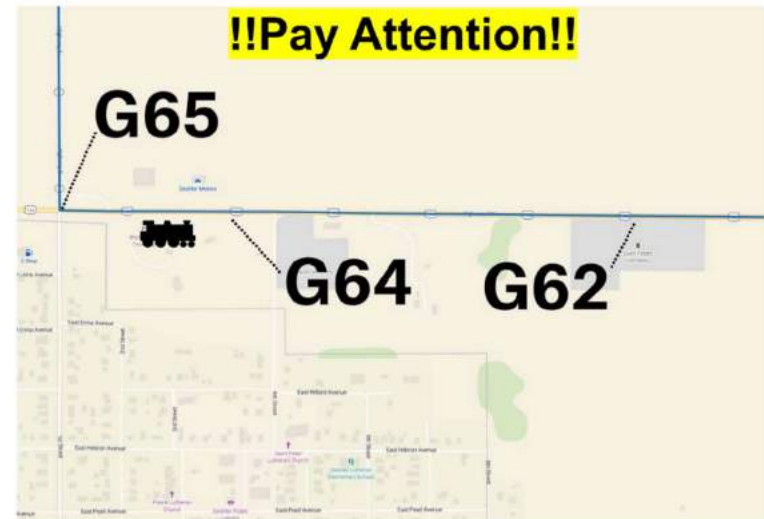
G55 Detail

!!CAREFUL!!



Deshler Detail

!!Pay Attention!!



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 47	37.00	1.00		Turnoff for Reynolds, 560th Ave				
G 48	39.00	2.00		Entering Thayer County; 558th Ave				
G 49	40.00	1.00		Hebron 12; Alexandria 7; NE-53 / Rd 7200		65		
G 50	41.30	1.30		Entering Gilead (Pop 39)				
G 51	41.60	0.30		St. Paul Lutheran church on right, Rd 7050				
G 52	43.10	1.50		Microwave relay tower on left; Rd 6900				
G 53	46.10	3.00		Rd 6600, turnoff for Hubbell to the left				
G 54	47.20	1.10		Short bridge over Dry Creek, mile marker 132				
G 55	49.70	2.50	STOP SIGN with flashing red for Jct US-81	4 Lane divided highway. CAUTION: cross traffic does not stop				
G 56	50.10	0.40		Rd 6200; turnoff for Hebron				
G 57	50.40	0.30		Weigh Station on left				
G 58	51.10	0.70		Junction NE-85F link / Rd 6100			none	Hospital
G 59	52.00	0.90		Cross Spring Creek				
G 60	54.10	2.10		Rd 5800				
G 61	56.20	2.10		Historical Marker on left; Rd 5600				
G 62	57.50	1.30		St. Peters Cemetery on left, mile marker 122				
G 63	57.70	0.20				55		
G 64	57.90	0.20		Jct NE-85E Spur; Welcome to Deshler , Water Tower on left, see RW's Station with locomotive on left ahead				
G 65	58.20	0.30	TURN RIGHT onto NE-5 North with sign toward "TO HWY N-4" before the turn. NO STOP SIGN OR SL. VERY LITTLE SIGNAGE. PAY ATTENTION, VERY EASY TO MISS!	Small pullout with picnic benches on right	1	65	gravel	fuel
G 66	59.20	1.00		Rd M, mile marker 1				

A map showing the proposed G78 route from Nelson to Davenport. The route is highlighted in blue and runs horizontally across the top of the map. Nelson is marked on the left, and Davenport is marked on the right. The map includes various roads, green areas representing vegetation, and blue areas representing water. The route is labeled G78 at both ends, with dashed lines indicating the start and end points. The map also shows a network of roads labeled with letters (A-Z) and numbers (1-13).

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 67	60.20	1.00		Rd N, mile marker 2				
G 68	61.20	1.00		Rd P, mile marker 3				
G 69	62.20	1.00		Rd Q; Mile 4 Marker				
G 70	62.70	0.50		Cross Little Blue River, metal grate road surface.				
G 71	63.20	0.50		Rd R, Mile Marker 4		65		
G 72	64.20	1.00		Rd S, Mile Marker 6				
G 73	65.20	1.00		Rd T, Mile Marker 7				
G 74	66.20	1.00		Rd U, Mile Marker 8				
G 75	67.20	1.00		Rd V, Mile Marker 9				
G 76	68.20	1.00		Rd W, Mile Marker 10				
G 77	68.60	0.40		RR Tracks (2), Cross Big Sandy Creek				
G 78	69.20	0.60	TURN LEFT at the stop sign onto NE-4 West	Mile Marker 11, rumble strip before turn	1	65	none	
G 79	70.20	1.00		Rd 5300				
G 80	71.20	1.00		Cross RR Tracks (2) Rough Tracks				
G 81	73.30	2.10		Rd 5000, RR Car Loading Station ahead on right				
G 82	73.70	0.40		Entering Davenport				
G 83	74.30	0.60		Entering Nuckolls County; Rd 4900		65		
G 84	78.30	4.00		Junction NE-65A Spur / Rd 4500, turnoff for Oak & Sedan		65		
G 85	82.30	4.00		Rd 4100		65		
G 86	86.70	4.40		Smith Cemetery on right				
G 87	87.30	0.60	TURN RIGHT at the Stop Sign onto NE-14 North	T-intersection Jct NE-14. Toward Clay Center	1	65	paved	
G 88	87.90	0.60		Mile marker 23				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 89	88.30	0.40		Rd Y				
G 90	89.00	0.70		Cross Little Blue River				
G 91	89.80	0.80		Oregon Trail Historical Marker with pulloff on left				
G 92	90.50	0.70		Entering Clay County; Rd AA, Rd 351				
G 93	91.60	1.10		Junction NE-18C Spur / Rd 302, turnoff for Deweese			paved	
G 94	92.10	0.50		Junction NE-18B, paved pulloff on left, turnoff for Edgar				
G 95	92.60	0.50		Rd 303 under large power transmission line				
G 96	94.20	1.60		Bridge over RR tracks				
G 97	95.60	1.40	CONTINUE STRAIGHT towards Clay Center	Junction NE-74 / Rd 306, turnoff for Shickley				
G 98	96.20	0.60		Sandy Creek Public Schools on left				
G 99	96.60	0.40	TURN LEFT onto NE-74 West / Rd 307 with signs towards Fairfield NO STOP SIGN OR SL. VERY LITTLE SIGNAGE. PAY ATTENTION, VERY EASY TO MISS!		1	65	gravel / grass	
G 100	97.60	1.00		Rd M				
G 101	98.40	0.80		John Deere on left				
G 102	98.80	0.40		Entering Fairfield (Pop 467)				
G 103	99.40	0.60		"Welcome to Fairfield: the Best Little Town in the State" sign, water tower on left		65		
G 104	100.50	1.10		RR tracks (2), rough crossing warning sign			gravel	
G 105	101.60	1.10		Rd H, turnoff for Deweese				
G 106	107.60	6.00		Junction NE-18E Spur / Rd B, turnoff for Glenvil				
G 107	108.50	0.90		Entering Adams County; Rd A / Riverview Ave				
G 108	109.50	1.00		Antioch Ave				

Hastings
Home of FSGP 2018

G127

G123

G113

Hastings Detail

G127

G123

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 109	110.50	1.00		Pawnee Ave, paved pullout on right				
G 110	112.10	1.60		Showboat Blvd, turnoff for Pauline				
G 111	112.70	0.60		Cross Little Blue River				
G 112	113.50	0.80		Pulloff on right for historical marker		65		
G 113	115.30	1.80	TURN RIGHT at Stop Sign onto US-281 North towards Hastings	Junction US-281, right curve before stop sign	1	65	paved	
G 114	115.60	0.30		"Hastings 10" sign on right		65		
G 115	116.10	0.50		Blue Valley Cemetery on right				
G 116	116.70	0.60		Cross Little Blue River				
G 117	119.30	2.60		Oregon Trail Rd				
G 118	119.80	0.50		Mile marker 40				
G 119	121.30	1.50		Oak Ridge Rd				
G 120	122.30	1.00		Prairie Lake Rd, Prairie Lake Rec Area				
G 121	122.90	0.60		Hastings Rural Volunteer Fire Department on right				
G 122	124.00	1.10		Entering Hastings (Pop 25,107)		45		
G 123	124.40	0.40	TURN LEFT at SL for J St and Hwy 6 onto US-34 West / US-6 West	Junction US-34 / US-6, Cenex on far right corner	1	45	paved	fuel
G 124	124.90	0.50		RR Tracks		55		
G 125	125.40	0.50		Marian Rd		65		
G 126	126.30	0.90		Junction 1C Spur / Youth Rehabilitation and Treatment Center and City-County Landfill to right				
G 127	127.20	0.90	TAKE 2nd Exit of Roundabout to stay on US-34 West / US-6 West toward Minden	2 sets of rumble strips before roundabout, Adams Central High School on corner	1	65	paved	
G 128	128.30	1.10		Osage Ave				
G 129	128.80	0.50		Reprisal Ave, Prairie Lake Rec Area				

G130 - G149 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 130	129.80	1.00		Junction NE-1B spur / Juniata Ave, turnoff for Juniata				
G 131	132.30	2.50		Roseland Ave, turnoff for Roseland		65		
G 132	132.50	0.20		Oregon Trail Historical Marker on right, large paved pullout				
G 133	137.30	4.80		Holstein Ave, turnoff for Holstein				
G 134	137.80	0.50		Junction NE-1A Spur, turnoff for Kenesaw				
G 135	141.20	3.40		Entering Kearney County; 44 Rd				
G 136	144.30	3.10		41 Rd				
G 137	144.50	0.20		Entering Heartwell				
G 138	144.80	0.30		Bridge over RR tracks				
G 139	145.30	0.50		40 Rd, Norman and Cowell				
G 140	146.40	1.10		39 Rd				
G 141	149.20	2.80		"Pioneer Village 5 Miles Ahead" billboard on right				
G 142	149.90	0.70		36 Rd, mile marker 186		65		
G 143	152.20	2.30		34 Rd; Large grain storage on left				
G 144	153.30	1.10		33 Rd, John Deere & A Stop 24 on right				fuel
G 145	153.80	0.50		Entering Minden (Pop 3118)	2	45	curb	
G 146	154.20	0.40				35		
G 147	154.30	0.10	TURN RIGHT at SL onto NE-10 North	Pioneer Village on corner	1	35		
G 148	154.70	0.40		13th St, Pizza Hut on right				food
G 149	155.30	0.60		Minden Airport on right				

G150 - G164 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 150	159.90	4.60		R Rd; turnoff for Liberty Cemetery to right				
G 151	160.90	1.00		S Rd; Fort Kearney Consolidated Cattle Feedlot ahead on right				
G 152	162.90	2.00		U Rd				
G 153	163.90	1.00	TURN LEFT onto NE-50A Link West NO STOP SIGN OR SL. PAY ATTENTION!	Junction NE-50A Link. Brown sign on right before turn for Fort Kearney Historical Park and State Rec Area	1	65		
G 154	164.40	0.50		Entering Newark (unincorporated)				
G 155	165.90	1.50		Fort Kearny State Rec Area turnoff, 30 Rd, mile marker 5				
G 156	166.70	0.80		Fort Kearney State Historical Park on right				
G 157	168.90	2.20		27 Rd, Dobytown Historical Marker on right with wide pulloff/shoulder, mile marker 2				
G 158	171.00	2.10	TURN RIGHT at Stop Sign onto NE-44 North towards Kearney	T-intersection Junction NE-14. CAUTION: cross traffic does not stop! Rumble strips before intersection.	1	65	paved	
G 159	171.70	0.70		Great Platte River Rd Historical Marker on right with picnic area (paved back to marker)				
G 160	172.10	0.40		Cross Platte River, Entering Buffalo County				
G 161	172.40	0.30		Entering Kearney (Pop 33,867)	2	60		all services
G 162	172.70	0.30		Platte Rd		45		
G 163	172.80	0.10	CONTINUE STRAIGHT onto 2nd Ave / I-80 ALT	SL I-80 (exit 272)				
G 164	173.10	0.30		SL I-80				

The map displays the Great Platte River Road Archway area in Lincoln, Nebraska. Three proposed development sites are highlighted with black labels and dotted leader lines:

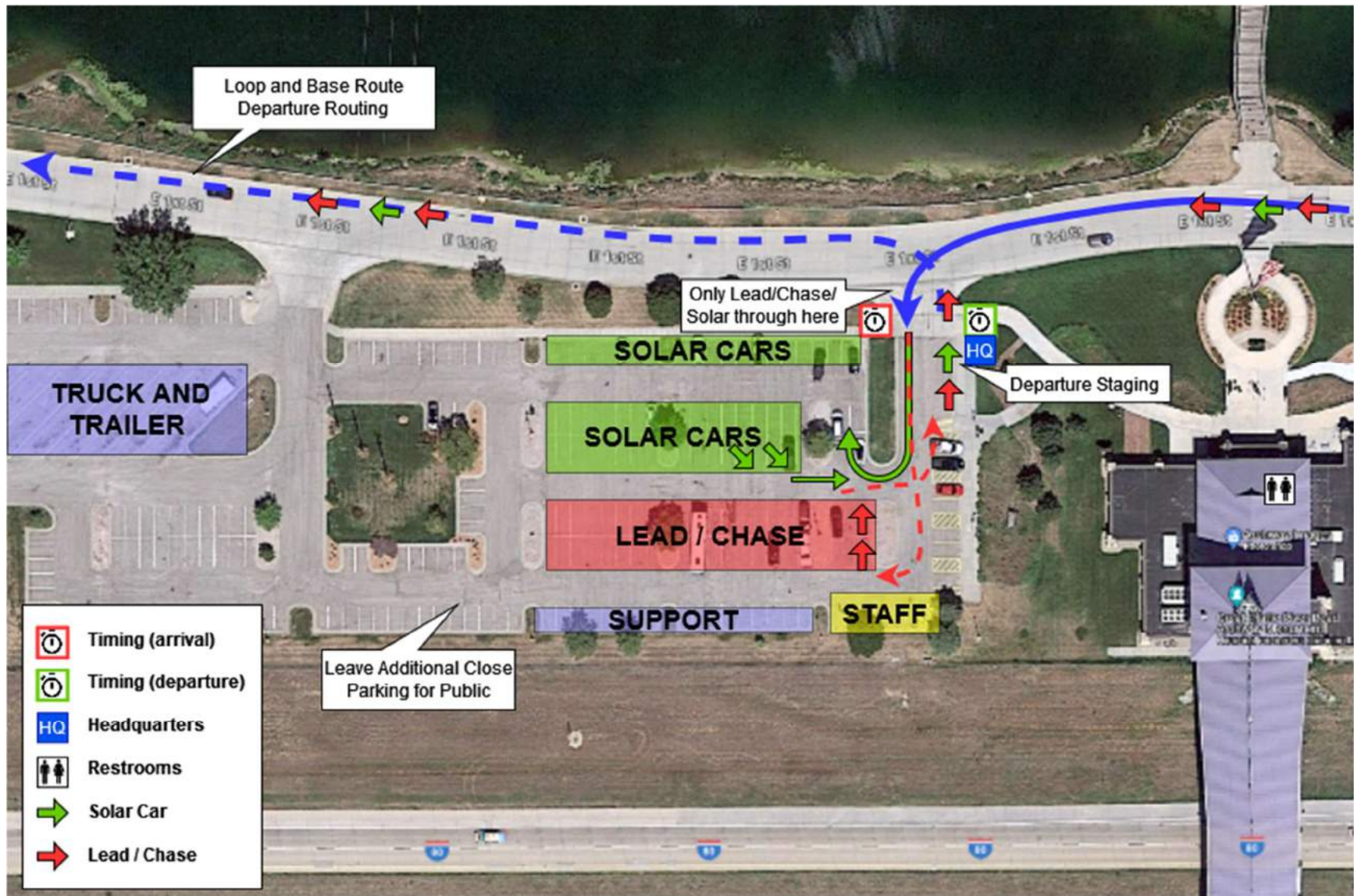
- G168**: Located in the upper left quadrant, near the intersection of I-80 and East 1st Street.
- G171**: Located in the upper right quadrant, near the intersection of I-80 and East 11th Street.
- G174**: Located in the lower right quadrant, near the intersection of I-80 and East 1st Street South.

The map includes various landmarks and infrastructure:

- Major Roads**: I-80, I-480, East 1st Street, East 1st Street South, East 11th Street, and various local streets like 4th Avenue, 1st Avenue, and Central Avenue.
- Landmarks**: Nebraska Firefighters Museum & Education Center, The Great Platte River Road Archway, and the Great Platte River.
- Other Features**: A blue line representing a proposed development boundary, and a red line indicating a specific route or boundary.

See Checkpoint Diagram for Arrival Information

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
G 165	173.20	0.10	CONTINUE STRAIGHT on 2nd Avenue	SL for Talmadge St Do not follow signs to the Archway - we are coming in a different route				
G 166	173.50	0.30		SL for 4th St				
G 167	173.80	0.30		SL for 8th St				
G 168	174.00	0.20	TURN RIGHT at SL onto 11th St	Note: Teams driving the Kearney Loop and teams proceeding onward to Gering will be crossing 2nd Ave from the right at 11th St. Two-way solar car traffic until the next intersection.	2	35	curb	
G 169	174.10	0.10	CONTINUE STRAIGHT on 11th St. MERGE LEFT, right lane ends 3/4 mile ahead	SL for Central Ave. Note: Teams driving the Kearney Loop and teams proceeding onward to Gering will be turning across your route from the right here.				
G 170	174.80	0.70		M Ave, right lane ends immediately ahead	1		none	
G 171	176.90	2.10	TURN RIGHT onto NE-10	4-lane divided highway CAUTION: cross traffic does not stop!	2	65	paved	
G 172	177.40	0.50		Turnoff for Kearney City Wastewater Treatment to right - very small white sign				
G 173	177.70	0.30		Speed change right before guardrail starts		45		
G 174	177.80	0.10	TURN RIGHT onto 1st St, IMMEDIATELY at the end of the guardrail. VERY POORLY SIGNED. EASY TO MISS. PAY ATTENTION!!!	Brown sign for Archway Monument and blue sign for Tourist Information both pointing right YOU WILL END UP ON THE INTERSTATE IF YOU MISS THIS.	1	25	curb	
G 175	178.30	0.50	KEEP RIGHT to stay on 1st St, do not enter parking lots.	Continue past building to the west side parking lot for guest parking				
G 176	178.40	0.10	TURN LEFT into Great Platte River Road Archway Monument guest/visitor parking lot (past the large buffalo statue)	Follow staff directions				

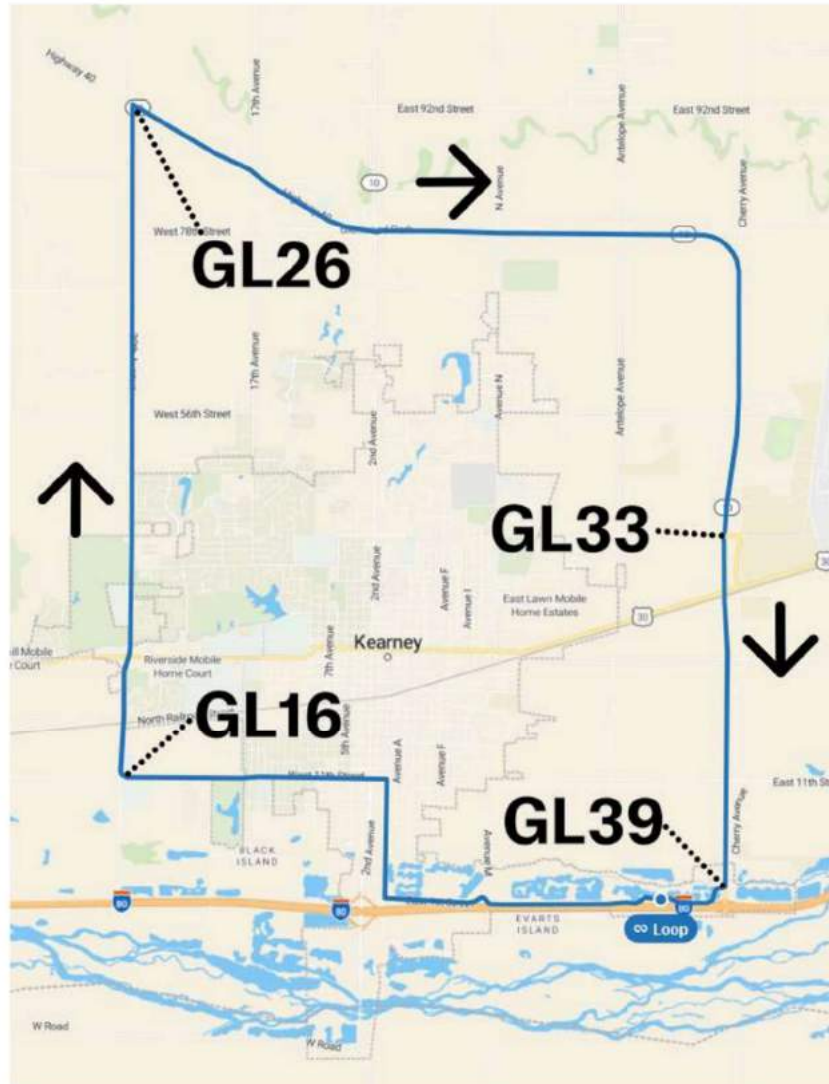


Checkpoint – Great Platte River Road Archway Monument – Kearney, NE

STAGE 3
OPTIONAL LOOP
(SEGMENT G LOOP)
KEARNEY

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Kearney Optional Loop



Checkpoint Departure Detail

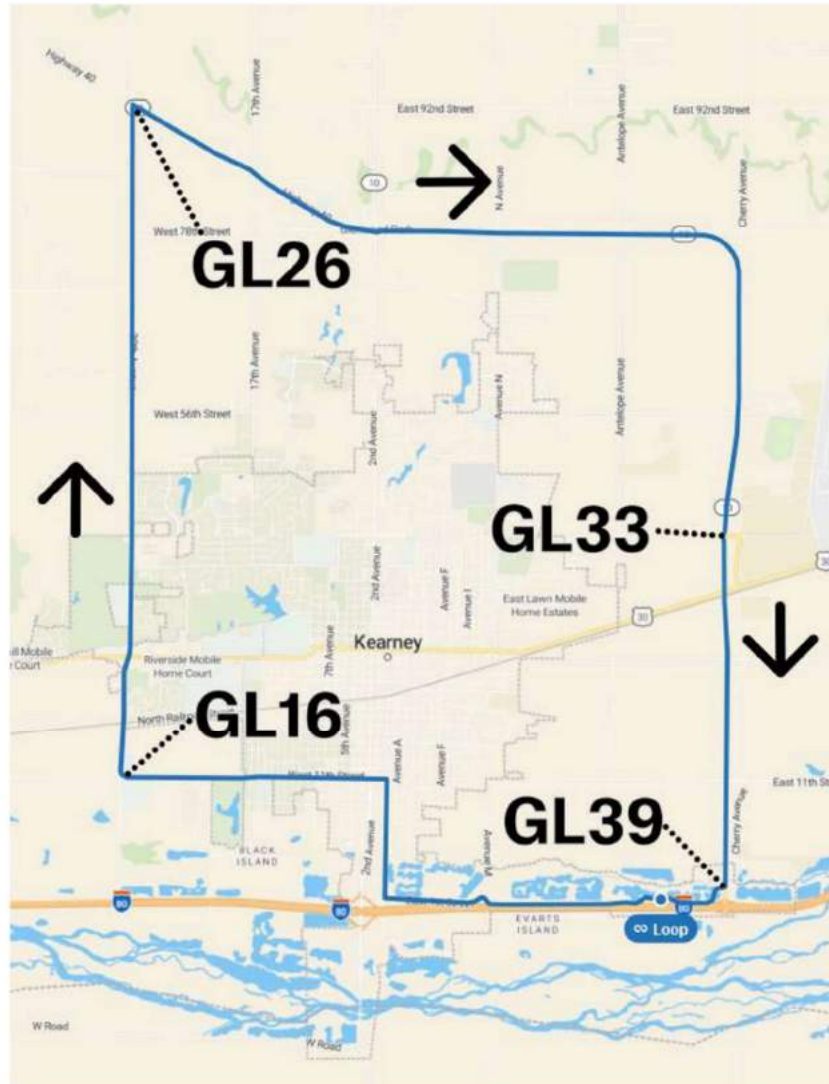


GL16 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 1	0.00		TURN LEFT onto E 1st St	Leaving Great Platte River Road Archway Monument checkpoint	1	25	curb	
GL 2	0.30	0.30		Nebraska Firefighters Museum and Education Center on right				
GL 3	0.50	0.20				45		
GL 4	1.40	0.90		East 1st Ave		25		
GL 5	1.50	0.10	CONTINUE STRAIGHT following signs to I-80	East 1st Ave				
GL 6	1.70	0.20				45	curb	
GL 7	2.30	0.60	TURN RIGHT at Stop Sign onto Central Ave		1	35	curb	
GL 8	2.50	0.20		Talmadge St, Fort Kearney Museum on right				
GL 9	3.30	0.80	TURN LEFT at SL onto 11th St	left turn lane	2	35	curb	
GL 10	3.40	0.10		SL for 2nd Ave				fuel
GL 11	4.30	0.90		SL for 15th Ave				
GL 12	4.50	0.20		Crosswalk light				
GL 13	4.60	0.10				45		
GL 14	4.90	0.30		Kearney Regional Medical Center on left				hospital
GL 15	5.20	0.30		SL for 27th Ave				
GL 16	5.40	0.20	EXIT RIGHT using dedicated right turn lane onto 30th Ave, prior to SL for 30th ave.	Kearney High School on left & Central Community College on right	2	45	curb	
GL 17	5.80	0.40		Bridge over RR tracks	1			
GL 18	6.10	0.30		Speed limit change just past La Crosse Dr, Steinbring on far left corner	2	35		
GL 19	6.40	0.30	CONTINUE STRAIGHT at SL for 24th St.	Teams proceeding on to Gering will be turning left here. DO NOT FOLLOW THEM if you are doing a Kearney Loop!	2	35	curb	

Kearney Optional Loop



GL29 Detail

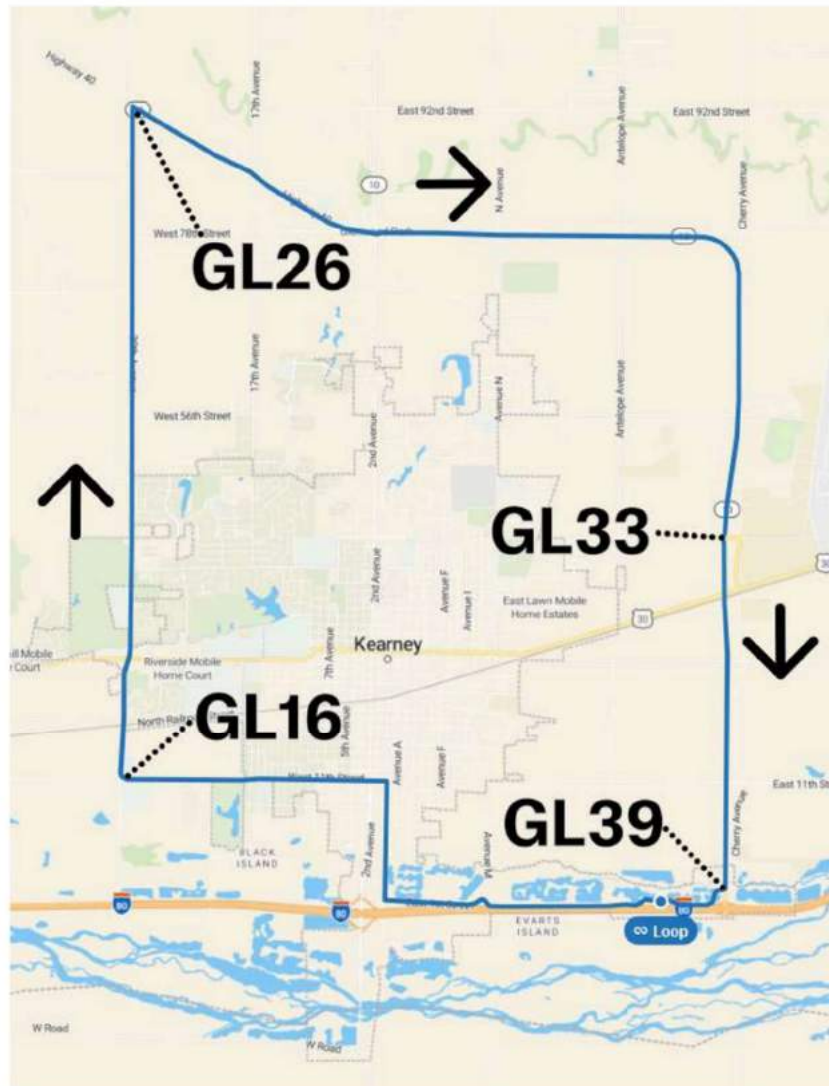


GL33 Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 20	6.50	0.10		Crosswalk with overhead pedestrian-triggered lights				
GL 21	6.60	0.10	MERGE LEFT within the next mile, right lane is turn only at the next SL			45		
GL 22	7.50	0.90		SL 39th St, right lane turn only, Kearney water tower on left	1			
GL 23	7.80	0.30				50		
GL 24	8.50	0.70		Stop sign (all-way) for 56th St, 2x rumble strips		55		
GL 25	10.50	2.00		W 85th St				
GL 26	11.00	0.50	TURN RIGHT at Stop Sign for Hwy 40 onto NE-40 East	CAUTION: cross traffic does not stop	1	65	gravel	
GL 27	11.70	0.70		Speed change just after 20th Ave on left		55		
GL 28	12.80	1.10		9th Ave				
GL 29	13.30	0.50	Take 2nd Exit at Roundabout to continue straight on NE-10 South with signs to I-80	Both lanes continue straight				fuel
GL 30	13.50	0.20			1	65	paved	
GL 31	15.20	1.70		Antelope Ave				
GL 32	17.60	2.40		Begin divided hwy after E 56th St	2	65		
GL 33	18.60	1.00	Take 2nd Exit at Roundabout to continue straight on NE-10 South with signs to I-80	Both lanes continue straight				

Kearney Optional Loop



Checkpoint Arrival Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
GL 34	18.90	0.30		Bridge over US-30 and RR tracks				
GL 35	19.50	0.60		Coal Chute Rd				
GL 36	20.50	1.00		11th St NOTE: Teams arriving from Beatrice will be joining your route from the right.				
GL 37	21.00	0.50		Turnoff for Kearney City Wastewater Treatment to right - very small white sign				
GL 38	21.30	0.30		Speed change right before guardrail starts		45		
GL 39	21.40	0.10	TURN RIGHT onto 1st St, IMMEDIATELY at the end of the guardrail. VERY POORLY SIGNED. EASY TO MISS. PAY ATTENTION!!!	Brown sign for Archway Monument and blue sign for Tourist Information both pointing right YOU WILL END UP ON THE INTERSTATE IF YOU MISS THIS.	1	25	curb	
GL 40	21.90	0.50	KEEP RIGHT to stay on 1st St, do not enter parking lots.	Continue past building to the west side parking lot for guest parking				
GL 41	22.00	0.10	TURN LEFT into Great Platte River Road Archway Monument guest/visitor parking lot (past the large buffalo statue)	Follow staff directions				

STAGE 3

SEGMENT H

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Kearney, NE – Gering, NE

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Support Route in solid red – Solar Car Route shown in dotted line for reference

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

SUPPORT VEHICLE ROUTE

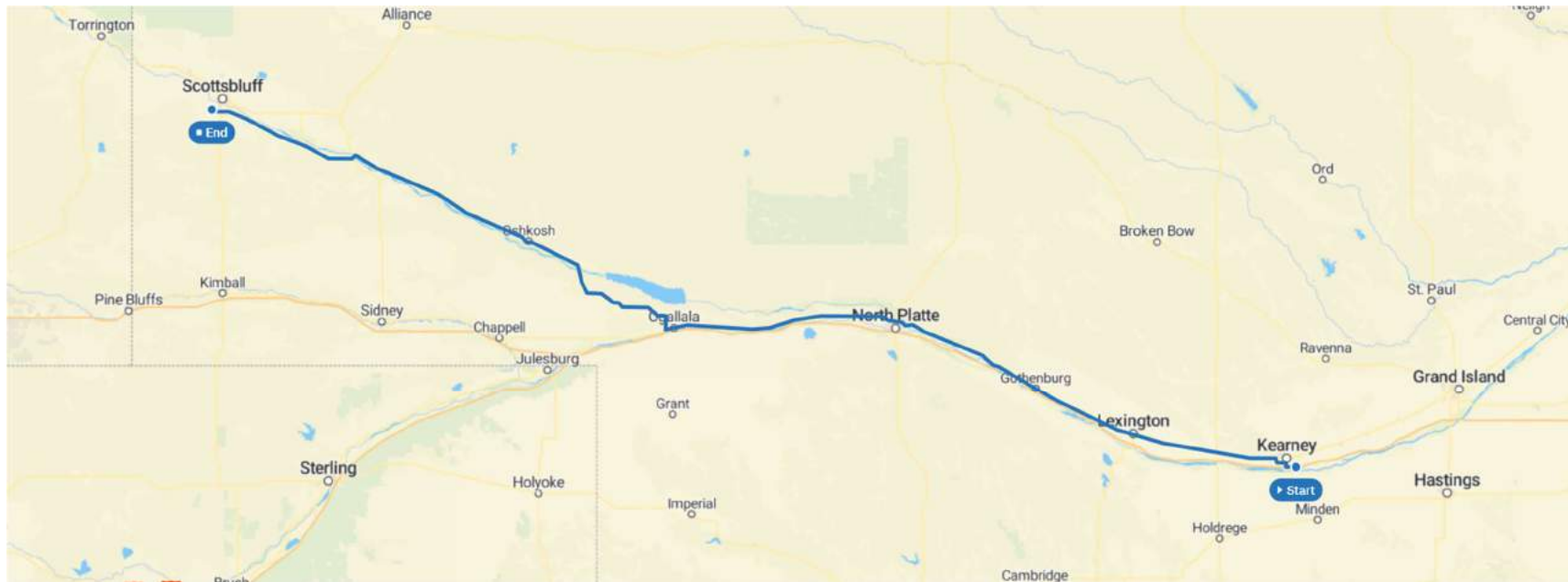
(NOT SOLAR CAR ROUTE!)

Interval	Support Vehicle Directions	Notes
	TURN RIGHT out of the parking lot, heading east on E 1st St	Opposite direction of solar car caravans
0.6 mi	TURN RIGHT onto NE-10	
0.1 mi	TURN RIGHT onto the onramp for I-80 West	
148.3 mi	EXIT RIGHT at Exit 126 for US-26 / NE-61 / Grant / Ogallala	
0.3 mi	TURN RIGHT at the SL at the top of the exit ramp	
0.7 mi	TURN LEFT at SL for East 1st St onto US-30 West / US-26 / NE-61	Entering solar car route at Step H119
1.9 mi	TURN RIGHT onto US-26 West towards Scottsbluff Pay attention: no stop sign/light!	Solar car route step H124
	Continue to follow the solar car route to Legacy of the Plains Museum	<p>Solar car route step H200</p> <p>Support Vehicles may drop people off at the Scotts Bluff Visitor Center but must park at Legacy of the Plains</p> <p>During checkpoint open hours please coordinate with staff if you need to bring your truck and trailer to the visitor center</p>

Approx. 272 miles (4 hr, 1 min)

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

SOLAR CAR ROUTE OVERVIEW



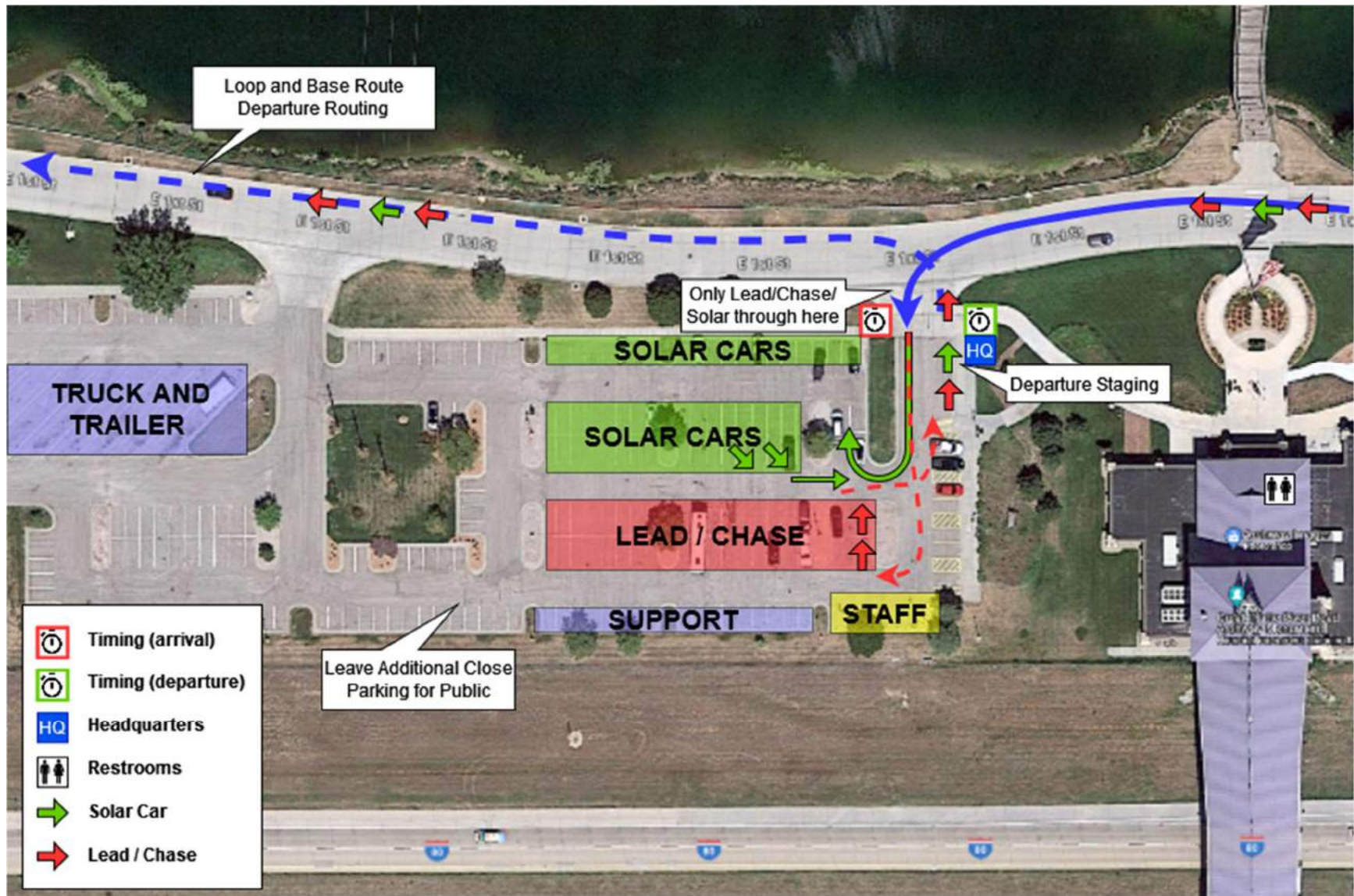
SEGMENT H KEARNEY, NE – GERING, NE

CHECKPOINT:
Great Platte River Road Archway Monument
3060 E 1st St, Kearney, NE 68847

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

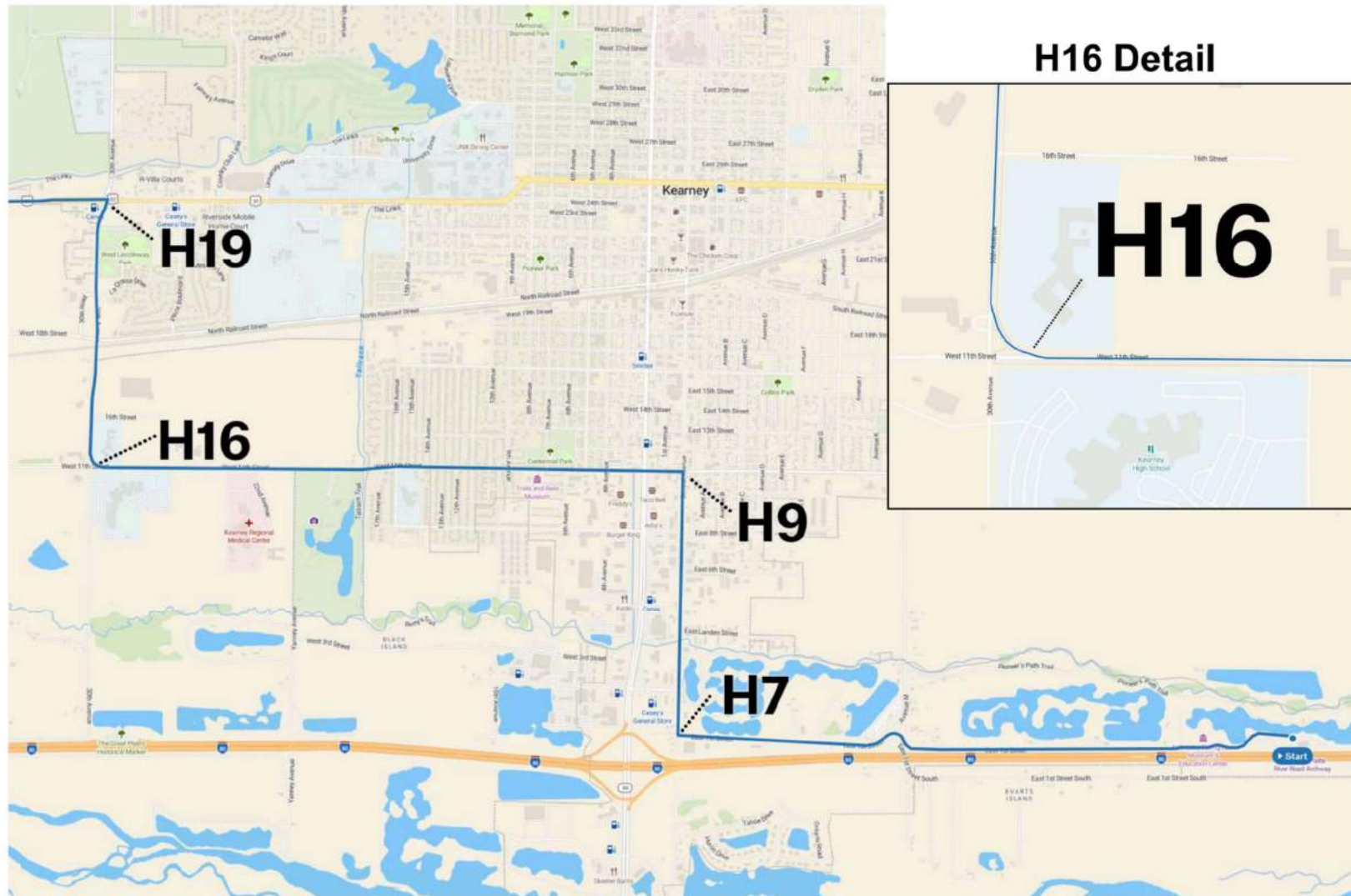


See America by National Historic Trail



Checkpoint – Great Platte River Road Archway Monument – Kearney, NE

H1 - H19 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 1	0.00		TURN LEFT onto E 1st St	Leaving Great Platte River Road Archway Monument checkpoint	1	25	curb	
H 2	0.30	0.30		Nebraska Firefighters Museum and Education Center on right				
H 3	0.50	0.20				45		
H 4	1.40	0.90		East 1st Ave		25		
H 5	1.50	0.10	CONTINUE STRAIGHT following signs to I-80	East 1st Ave				
H 6	1.70	0.20				45	curb	
H 7	2.30	0.60	TURN RIGHT at Stop Sign onto Central Ave		1	35	curb	
H 8	2.50	0.20		Talmadge St, Fort Kearney Museum on right				
H 9	3.30	0.80	TURN LEFT at SL onto 11th St	left turn lane	2	35	curb	
H 10	3.40	0.10		SL for 2nd Ave				fuel
H 11	4.30	0.90		SL for 15th Ave				
H 12	4.50	0.20		Crosswalk light				
H 13	4.60	0.10				45		
H 14	4.90	0.30		Kearney Regional Medical Center on left				hospital
H 15	5.20	0.30		SL for 27th Ave				
H 16	5.40	0.20	EXIT RIGHT using dedicated right turn lane onto 30th Ave, prior to SL for 30th ave.	Kearney High School on left & Central Community College on right	2	45	curb	
H 17	5.80	0.40		Bridge over RR tracks	1			
H 18	6.10	0.30		Speed limit change just past La Crosse Dr, Steinbring on far left corner	2	35		
H 19	6.40	0.30	TURN LEFT at the SL for 24th St.	Teams doing the Kearney loop will be going straight here. DO NOT FOLLOW THEM if you are doing a Kearney Loop!	2	40	paved	

H21 - H44 Overview



Lexington Detail



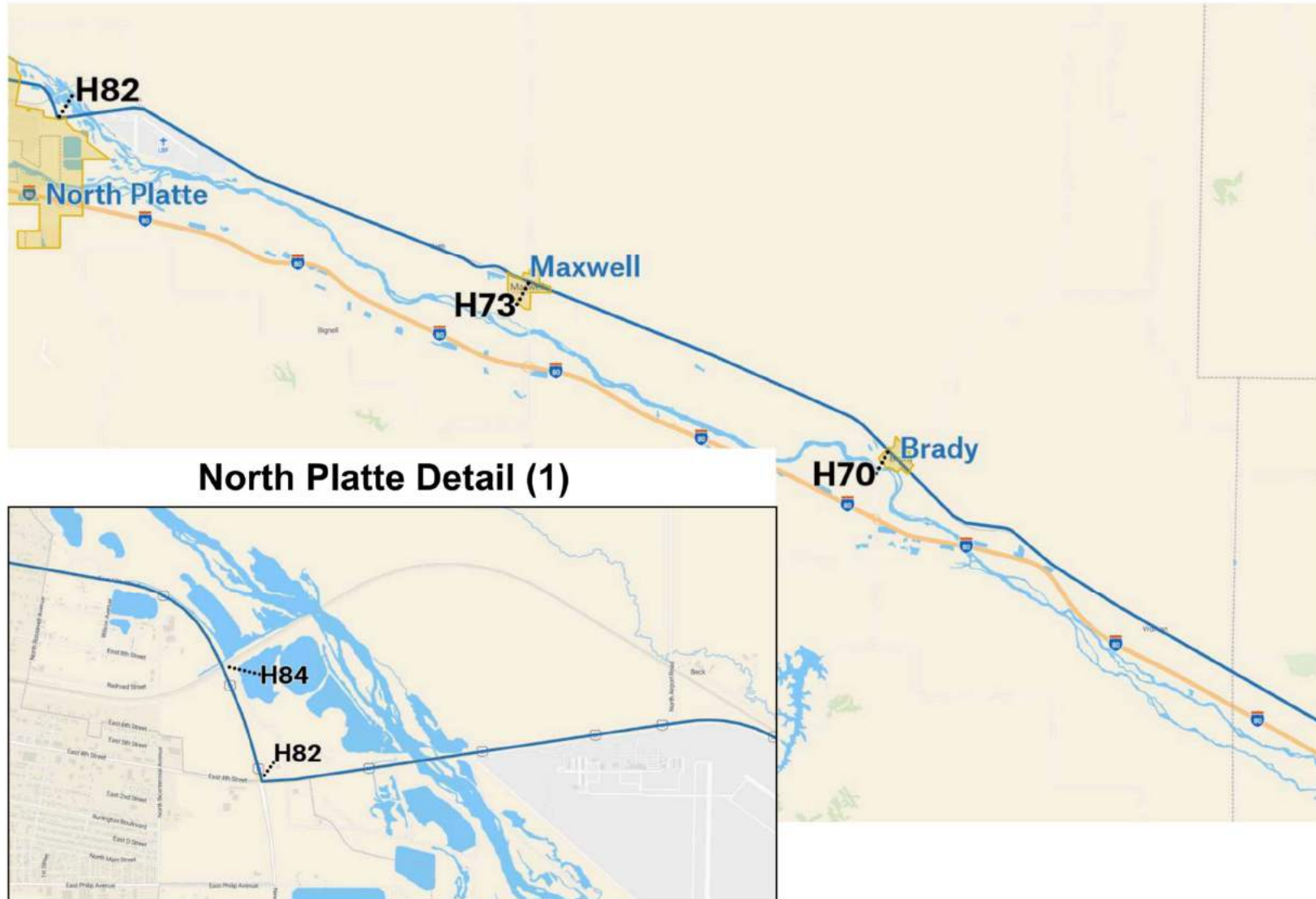
Step	Trip	Int	Major Turns / Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 21	8.40	1.40		Little USA gas station and pulloff on right				fuel
H 22	9.60	1.20		Large covered wagon on right just before speed limit change		65		
H 23	13.60	4.00		Entering Odessa (unincorporated), Jct I-80 access ahead		55		none
H 24	14.00	0.40				65		
H 25	16.10	2.10		Kearney Canal				
H 26	17.80	1.70		Cessna Rd				
H 27	18.30	0.50		Turkey Creek				
H 28	19.40	1.10				55		
H 29	19.60	0.20		Entering Elm Creek (Pop 979)		40		fuel
H 30	20.60	1.00		Junction US-183 / NE-10E Link at right, access to I-80 (exit 257)		55		fuel
H 31	20.80	0.20				65		
H 32	22.80	2.00		Entering Dawson County				
H 33	26.90	4.10		Road 446, historical marker with paved pullout on left, cross Buffalo Creek				
H 34	28.20	1.30				55		
H 35	28.40	0.20		Entering Overton (Pop 646)		40		fuel
H 36	29.30	0.90		Junction NE-24B Link at right with access to I-80 (exit 248)		55		
H 37	29.60	0.30				65		
H 38	31.90	2.30		Road 441, Overton Golf Club on right				
H 39	36.40	4.50		Evergreen Cemetery on right				
H 40	38.90	2.50		Grain elevator on left		45		
H 41	39.10	0.20		Entering Lexington (Pop 10,348)	2	45	curb	all
H 42	39.20	0.10		Speed change at the Cenex on right		35		
H 43	39.70	0.50		Junction US-283				
H 44	39.90	0.20		Large water tower on right: "Lexington Est 1874"				

H45 - H64 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 45	40.30	0.40		SL for N Ontario Street and NE-21				
H 46	40.40	0.10	MERGE LEFT: right lane ends ahead			45		
H 47	40.80	0.40			1	65	paved	
H 48	41.20	0.40		Airport Rd, The Crossing Retreat Center on right				
H 49	43.30	2.10		Rd 430, historical marker on left with paved pulloff				
H 50	45.50	2.20	CONTINUE STRAIGHT on US-30 West, NE-21 West	Rd 428/NE-24A Link, access to I-80 (exit 231), turnoff for Darr Bridge				
H 51	47.70	2.20		Rd 426, Busy Bones Butcher on right				
H 52	51.00	3.30		Rd 423				
H 53	53.10	2.10		Entering Cozad (Pop 3,977)		55		all hospital
H 54	53.40	0.30		RR Track, some bumps	2	40	curb	fuel
H 55	53.70	0.30				35		
H 56	53.80	0.10		Jct NE-21 South at right, access to I-80 (exit 222) "COZAD: 100TH MERIDIAN" sign over highway ahead				fuel
H 57	54.10	0.30	MERGE LEFT, right lane ends ahead			40		
H 58	54.50	0.40			1	55	paved	
H 59	54.80	0.30		Cozad Municipal Airport on right	1	65	paved	
H 60	58.70	3.90		Entering Willow Island (unincorporated)				none
H 61	59.10	0.40		Ag West on right				
H 62	63.40	4.30				60		
H 63	63.60	0.20		Entering Gothenburg (Pop 3, 574)	1	45	curb	all hospital
H 64	64.20	0.60				35		fuel

H65 - H85 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 65	64.60	0.40		RR track		45		
H 66	64.90	0.30			1	65	paved	
H 67	68.00	3.10		Entering Lincoln County at Jct E County Line Rd				
H 68	70.70	2.70		Gothenburg Canal				
H 69	76.80	6.10		Entering Brady (Pop 428)		45		fuel
H 70	77.20	0.40		Junction NE-56D Link at right with access to I-80 (exit 199)				
H 71	77.40	0.20				65		
H 72	85.60	8.20		Entering Maxwell (Pop 312)		45		none
H 73	86.20	0.60		Junction NE-56A Spur at left with access to I-80 (exit 190)				
H 74	86.40	0.20				65		
H 75	86.80	0.40		Large paved pulloff / picnic area with historical marker on right past Jackson Rd				
H 76	87.10	0.30		Bridge over RR tracks				
H 77	91.60	4.50		Mile marker 186				
H 78	94.00	2.40		Entering North Platte (Pop 24,733)				
H 79	94.60	0.60		White Horse Creek				
H 80	97.00	2.40		Cross North Platte River				
H 81	97.50	0.50				45		
H 82	97.60	0.10	TURN RIGHT to follow US-30 West towards Ogallala NO STOP SIGN OR SL. PAY ATTENTION!	Junction 4th Street / NE-56G Link to I-80 / US-30				all hospital
H 83	97.90	0.30		Large broken cement pile to right		55		
H 84	97.90	0.00		Bridge over RR tracks				
H 85	98.60	0.70		Wilson Ave	1	35	curb	

H86 - H104 Overview



North Platte Detail (2)



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 86	98.90	0.30		N Roosevelt Ave, electric substation on right		30		
H 87	99.90	1.00	CONTINUE STRAIGHT on US-30 West towards Buffalo Bills Ranch	SL for Jeffers St, Jct US-83	2			
H 88	100.10	0.20		SL for Willow St		35	curb	fuel
H 89	100.70	0.60		SL for Adams Ave				fuel
H 90	101.50	0.80		SL for Buffalo Bill Ave, right lane ends ahead.	1	45	curb	fuel
H 91	102.10	0.60		Dodge Ave		55	paved	
H 92	102.80	0.70		Swanson Homes on left		60		
H 93	104.00	1.20		Speed limit change after Homestead Rd and before mile marker 173	1	65	paved	
H 94	108.10	4.10		Olson Feedyards on left, mile marker 169				
H 95	112.40	4.30		Entering Hershey (Pop 665)		45		
H 96	113.20	0.80		Junction NE-56C Link at left with access to I-80 (exit 164)		65		
H 97	117.00	3.80		Bridge over RR tracks				
H 98	118.60	1.60				55		
H 99	118.90	0.30		Entering Sutherland (Pop 1,286)		40	paved w/curb	all
H 100	119.40	0.50		Railroad Park picnic areas with gravel parking along the left side of the road, lots of paved parking on the right				
H 101	120.00	0.60		Junction NE-25, access to I-80 (exit 158) at right	1	50	paved	
H 102	120.30	0.30		Speed change before Sutherland Veterinary Service		65	paved	
H 103	127.20	6.90		Entering Keith County, mile marker 150 <i>(time zone change - no sign. REMEMBER: the event stays on Central Time until the end of the stage: sunset in Gering on July 26th. Your phone is not on Event Time after this point!)</i>				
H 104	131.10	3.90		Entering Paxton (Pop 614)		45		all

H105 - H121 Overview



Ogallala Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 105	131.40	0.30		Mahogany Rd	1	35	paved w/curb	
H 106	131.70	0.30		Flashing Yellow for Oak St / NE-51C Link to left with access to I-80 (exit 145)				
H 107	132.10	0.40		Willow St	1	45	paved	
H 108	132.30	0.20				65		
H 109	140.30	8.00		Historical marker on left with gravel pulloff, mile marker 137				
H 110	143.30	3.00		Jct 51B Link to left, access to I-80 (exit 133)				
H 111	143.50	0.20		Entering Roscoe (unincorporated)		50		none
H 112	144.10	0.60		Speed change after Keystone Roscoe Rd		65		
H 113	145.40	1.30		Historical marker & paved pulloff on right				
H 114	149.50	4.10		Entering Ogallala (Pop 5,142)	1	50	curb	all
H 115	149.90	0.40		Poplar St		40		
H 116	150.20	0.30			2	40	curb	
H 117	150.60	0.40		Front Street Café, Gift Shop, and Museum with cowboy ahead on right		35		fuel
H 118	150.75	0.15		Dollar General on right		25		fuel, lodging
H 119	150.90	0.15		SL for US-26 East/NE-61 with access to I-80 (exit 126)				full services to left
H 120	151.00	0.10		SL for Spruce St				
H 121	151.10	0.10	MERGE LEFT, right lane ends 1/2 mile ahead	B St		35		

H122 - H139 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 122	151.70	0.60			1	50	curb	fuel
H 123	152.10	0.40		"Brule 8 miles"	1	60	paved	
H 124	152.80	0.70	TURN RIGHT using the dedicated right turn lane onto US-26 West towards Scottsbluff Pay attention: no stop sign/light!	Junction US-26 and NE-61 Use right turn lane	1	65	paved	
H 125	153.70	0.90		Gain passing lane next 1.5 miles	2			
H 126	155.10	1.40	MERGE LEFT, right lane ends ahead		1			
H 127	156.00	0.90	TURN LEFT at Stop Sign to follow US-26 West towards Scottsbluff	Junction US-26 and NE-61 CAUTION: cross traffic does not stop!	1	65	paved	
H 128	159.30	3.30		Twin cable-stayed radio towers on left				
H 129	161.60	2.30		Lakeview Rd, turnoff for Lake View				
H 130	164.80	3.20		Rd West 1N, "Brule via county road" to left				
H 131	172.50	7.70		Three short radio towers to left				
H 132	173.80	1.30		Entering Garden County				
H 133	174.60	0.80		Big Springs via county rd to left				
H 134	175.20	0.60		Long gentle downhill with opposed passing lane				
H 135	177.80	2.60		Windlass Hill Historical Site turnoff on left				
H 136	180.00	2.20		Ash Hollow State Historical Park Visitor Center on right				
H 137	181.30	1.30		Cross North Platte River (2x)				
H 138	181.90	0.60	CONTINUE STRAIGHT to continue following US-26 West and NE-92 North	Junction NE-92	1	55	paved	fuel, food
H 139	182.70	0.80		Entering Lewellen (Pop 282)		40		all

H140 - H163 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 140	183.20	0.50		Main St, "The Most Unlikely Place Cafe" on left				
H 141	183.70	0.50				55		
H 142	183.90	0.20				65		
H 143	185.00	1.10		Cross Blue Creek				
H 144	185.60	0.60		Historical marker on right with paved pulloff				
H 145	194.10	8.50		Speed limit change in left bend		55		
H 146	194.30	0.20		Entering Oshkosh (Pop 884)	1	40	paved	fuel, lodging hospital
H 147	194.80	0.50		Junction NE-27			curb	fuel
H 148	195.10	0.30				55	paved	
H 149	195.30	0.20		Oshkosh Wesleyan Church on right	1	65		
H 150	196.00	0.70		Bridge over RR tracks				
H 151	209.90	13.9 0		Cross Coldwater Creek				
H 152	210.50	0.60		Entering Lisco (unincorporated)	1	50	paved	none
H 153	210.80	0.30				65		
H 154	211.80	1.00		Entering Morrill County				
H 155	212.80	1.00		Historical marker on right with paved pullout				
H 156	215.70	2.90		Solar panels on right at Walther Farms				
H 157	217.70	2.00		Historical marker "Narcissa Whitman" on right with paved pulloff				
H 158	220.90	3.20		Mile Marker 65				
H 159	224.00	3.10		Paved pullout on right (nice pull through)				
H 160	224.20	0.20				50		
H 161	224.40	0.20		NE-92 to left, Entering Broadwater (Pop 140)		35	paved w/curb	fuel, food
H 162	224.80	0.40				55		
H 163	224.90	0.10		Speed limit change before Smith Ave/Main St	1	65	paved	



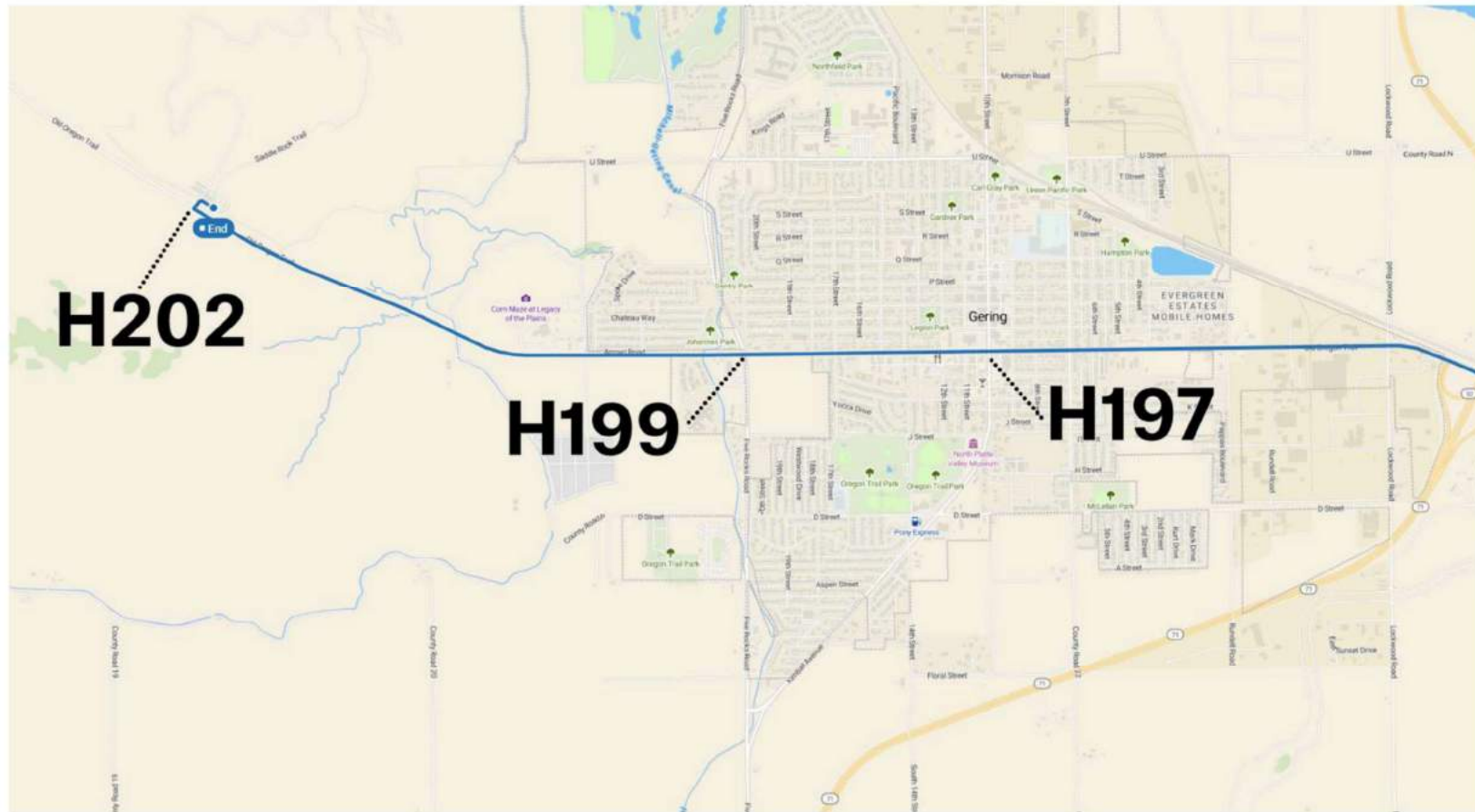
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 164	228.60	3.70		Rd 117 on right				
H 165	230.90	2.30		Rd 113 on right				
H 166	235.90	5.00		Mile Marker 65				
H 167	236.30	0.40		Historical marker on right with paved pullout				
H 168	238.20	1.90		Welding shop on right		50		
H 169	238.50	0.30	TURN LEFT using the dedicated left turn lane onto US-385 to continue to follow US-26 West towards Bridgeport and Scottsbluff Pay attention: no stop sign/light!	Junction US-385 Sinclair station on left	1	45	paved	fuel
H 170	238.60	0.10		Bridge over RR tracks				
H 171	238.90	0.30		Historical marker/pulloff on right, then cross North Platte River				all
H 172	239.30	0.40		Entering Bridgeport (Pop 1,545)	1	35	curb	
H 173	239.40	0.10				30		
H 174	239.50	0.10	TURN RIGHT to continue on US-26 West Pay attention: no stop sign/light!	Jct NE-92. Signs for US-385 going straight, NE-92 straight and right, and US-26 right. Brown sign for Scott's Bluff National Monument and Chimney Rock to right. Cenex gas station on right, church on left.	1	30	paved	fuel
H 175	239.80	0.30		Speed limit change at I Street		40		
H 176	240.00	0.20		RR tracks, "Bridgeport Lake State Recreation Area" to right		50		
H 177	240.30	0.30		Bomgaars store on right	1	65	paved	
H 178	241.90	1.60		Oregon Trail Veterans Park & Cemetery on left				
H 179	243.10	1.20		Historical marker at paved pullout on left with 3 trees				

H180 - H195 Overview



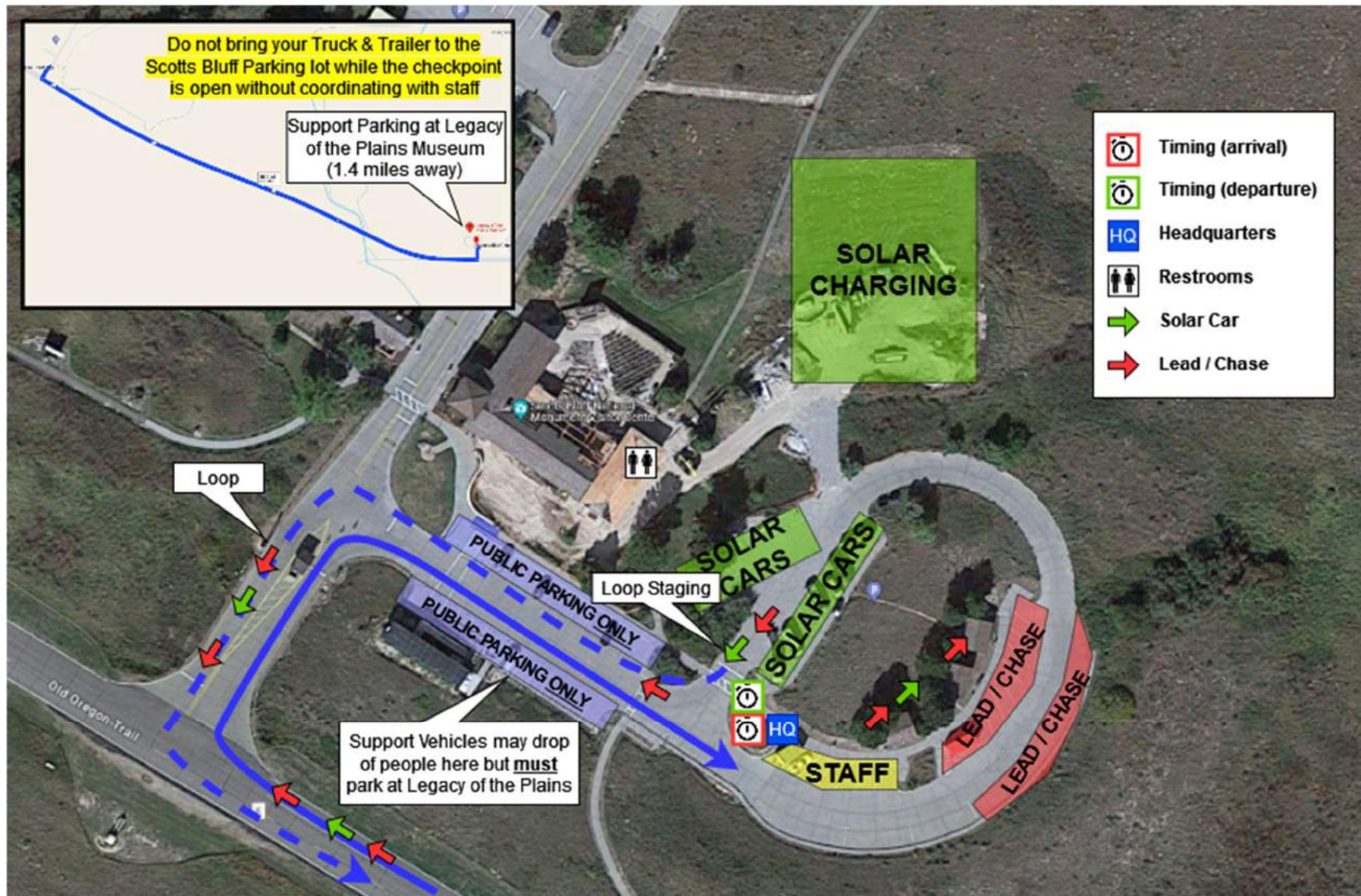
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 180	243.70	0.60		<i>Crest over the top of hill, Chimney Rock visible for a moment in the distance ahead right</i>				
H 181	245.90	2.20		Mile marker 53 <i>Chimney Rock visible ahead on left</i>				
H 182	248.90	3.00		Redington via county rd, Rd 81				
H 183	251.90	3.00	CONTINUE STRAIGHT on NE-92 West towards Scottsbluff and Gering	Junction US-26, Chimney Rock on left	1	65	paved	
H 184	252.70	0.80		Historical marker for Chimney Rock on right with small pulloff				
H 185	254.60	1.90		Entering Scotts Bluff County				
H 186	257.10	2.50		County Rd 34, McGrew (Pop 99) on right				food
H 187	262.70	5.60		Entering Melbeta (Pop 116) Begin divided road <i>Scotts Bluff visible ahead on the horizon</i>		50		fuel
H 188	263.00	0.20		Jct NE-26 and NE-79E Link towards Minatare NOTE: Teams finishing the Gering Loop will be entering the route from the right here.				
H 189	263.20	0.20			1	65	paved	
H 190	263.90	0.70		Ficklin Springs Pony Express Station Marker pulloff on right				
H 191	266.10	2.20		Hiway 92 Raceway Park on left				
H 192	269.20	3.10	CONTINUE STRAIGHT on NE-92 West towards Gering	Junction NE-71 North / NE-92 West Note: Teams starting the Gering Loop will be approaching from ahead and turning onto NE-71 North here. 2-way solar car traffic from here to the finish.				
H 193	269.60	0.40	CONTINUE STRAIGHT on Old Hwy 92/M St/Old Oregon Trail	Entering Gering , Est 1887, speed change just before 21st Ave		45		all services
H 194	269.90	0.30		RR tracks (two tracks, bumpy)				
H 195	270.50	0.60		Circle S Lodge on right, 5th St	1	35	curb	

H196 to Checkpoint Overview



See Checkpoint Diagram for Arrival Information

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
H 196	270.60	0.10		Flashing yellow light at crosswalk sign				
H 197	270.90	0.30		SL for 10th St, Gering Civic Center ahead on right				
H 198	271.40	0.50		Flashing yellow light at crosswalk sign				
H 199	271.70	0.30		Stop Sign (4-way, flashing red) for Five Rocks Rd		45	gravel	
H 200	272.30	0.60	CONTINUE STRAIGHT on Old Oregon Trail	Legacy of the Plains Museum on right				
H 201	272.70	0.40		Pulloff at Scotts Bluff National Monument sign				
H 202	273.50	0.80	TURN RIGHT into Scotts Bluff National Monument entrance	Museum and Headquarters Entrance				
H 203	273.55	0.05	TURN RIGHT into Visitor Center parking lot	Follow staff directions				



STAGE STOP – Scotts Bluff National Monument – GERING, NE

STAGE 3
OPTIONAL LOOP
(SEGMENT H LOOP)
GERING

ELECTREK AMERICAN SOLAR CHALLENGE 2024



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
HL 1	0.00		EXIT CHECKPOINT	Note: Two-way solar car traffic through step HL 13				
HL 2	0.05	0.05	TURN LEFT at Stop Sign towards exit of parking lot					
HL 3	0.10	0.05	TURN LEFT at Stop Sign onto Old Oregon Trail		1	45	grass / gravel	
HL 4	0.80	0.70		Paved pulloff on right				
HL 5	1.30	0.50		Legacy of the Plains on Left			paved	
HL 6	1.90	0.60		Stop Sign (all-way with flashing red) for Five Rocks Road, speed change after intersection		35		
HL 7	2.20	0.30		Flashing yellow light at crosswalk sign				
HL 8	2.70	0.50		SL for 10th St				
HL 9	2.90	0.20		Flashing yellow light at crosswalk sign				
HL 10	3.10	0.20		Masek Golf Car Company on right, Circle S Lodge on left		45	grass / gravel	
HL 11	3.70	0.60		RR tracks, no lights/crossing arms				
HL 12	3.90	0.20		21st Ave / Lockwood Rd			paved	
HL 13	4.00	0.10				65		
HL 14	4.20	0.20		Cross under NE-71				
HL 15	4.30	0.10	TURN RIGHT onto the ramp for NE-71 North towards Scottsbluff				paved	
HL 16	4.60	0.30	MERGE ONTO NE-71 North		2	70		
HL 17	6.00	1.40		Cross North Platte River				
HL 18	6.30	0.30		Exit for Scottsbluff via So Beltline Hwy, take bridge over RR tracks				
HL 19	7.20	0.90	TURN RIGHT at Stop Sign onto US-26 East towards Bridgeport & Alliance	Junction US-26, rumble strips before the turn CAUTION: cross traffic does not stop	2	55	paved	



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
HL 20	7.40	0.20		Immigrant Trail Rd and Sargent Irrigation on right				
HL 21	7.80	0.40		Nebraska Land tire and service on Right				
HL 22	8.10	0.30				70		
HL 23	9.00	0.90		CR 25				
HL 24	10.10	1.10		CR 26				
HL 25	11.20	1.10		CR 27				
HL 26	13.10	1.90		Co Rd P				
HL 27	13.40	0.30	TURN RIGHT onto NE-79E Link South toward Melbeta/toward NE -92 Pay attention: no stop sign or SL	Use long right turn lane that starts immediately after Co Rd P	1	65	grass / gravel	
HL 28	13.60	0.20		RR tracks (1 track)				
HL 29	15.10	1.50		Cross North Platte River				
HL 30	15.50	0.40	TURN RIGHT at Stop Sign/Yield to merge onto NE-92 West, toward Gering	RR tracks (2) immediately before stop sign. Junction NE-92 NOTE: rejoining the base solar car route		65		
HL 31	16.30	0.80		Ficklin Springs Pony Express Station Marker pulloff			paved	
HL 32	18.50	2.20		Hiway 92 Raceway on left				
HL 33	21.60	3.10	CONTINUE STRAIGHT on NE-92 West towards Gering	Jct NE-71 North/NE-92 West NOTE: 2-way solar car traffic from here to the end of the loop			grass / gravel	
HL 34	22.00	0.40	CONTINUE STRAIGHT on Old Hwy 92/M St/Old Oregon Trail	Entering Gering , Est 1887, speed change just before 21st Ave		45		all services
HL 35	22.30	0.30		RR tracks (two tracks, bumpy)			paved	
HL 36	22.90	0.60		Circle S Lodge on right, 5th St	1	35	curb	
HL 37	23.00	0.10		Flashing yellow light at crosswalk sign				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
HL 38	23.30	0.30		SL for 10th St, Gering Civic Center ahead on right				
HL 39	23.80	0.50		Flashing yellow light at crosswalk sign				
HL 40	24.10	0.30		Stop Sign (4-way, flashing red) for Five Rocks Rd		45	gravel	
HL 41	24.70	0.60	CONTINUE STRAIGHT on Old Oregon Trail	Legacy of the Plains Museum on right				
HL 42	25.10	0.40		Pulloff at Scotts Bluff National Monument sign				
HL 43	25.90	0.80	TURN RIGHT into Scotts Bluff National Monument entrance	Museum and Headquarters Entrance				
HL 44	25.95	0.05	TURN RIGHT into Visitor Center parking lot	Follow stage point crew instructions				

STAGE 4

SEGMENT J

ELECTREK AMERICAN SOLAR CHALLENGE 2024

Gering, NE – Casper, WY
July 27

Time Zone	Mountain Time (24 Hour Format)		
Stage Start	Scotts Bluff National Monument 190276 Old Oregon Trail, Gering, NE 69341	Nominal Start Time	08:00, July 27
Stage Finish	National Historic Trails Interpretive Center 1501 N Poplar St, Casper, WY 82601	Open Time Nominal Close Time	11:15, July 27 16:00, July 27

SUPPORT VEHICLE ROUTE OVERVIEW

(NOT SOLAR CAR ROUTE!)



Support Route in solid red – Solar Car Route shown in dotted line for reference

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

SUPPORT VEHICLE ROUTE

(NOT SOLAR CAR ROUTE!)

Int	Support Vehicle Directions	Notes
	Follow solar car route through step J68	
85 mi	MERGE LEFT onto I-25 North / US-26 West / US-87 North towards Casper	
1.7 mi	CONTINUE STRAIGHT on I-25 North at Exit 94 for El Rancho Road	Solar car caravans will exit here
96.3 mi	EXIT RIGHT at Exit 189 for US-20 West / US-26 West / WY-220 / Shoshoni / Port of Entry	Use rightmost lane
0.3 mi	Stay right on the exit and EXIT RIGHT towards the National Historic Trails Center and Events Center	
0.3 mi	CONTINUE STRAIGHT at Stop Sign for North Poplar St	
0.1 mi	TURN RIGHT onto West Blvd for Ford Wyoming Center	Park in Designated Support Lot. Walking Trail available to National Historic Trails Interpretive Center Finish Line

Approx. 182 miles (2 hr, 44 min)

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

SOLAR CAR ROUTE OVERVIEW



SEGMENT J GERING, NE – CASPER, WY

STAGE START:

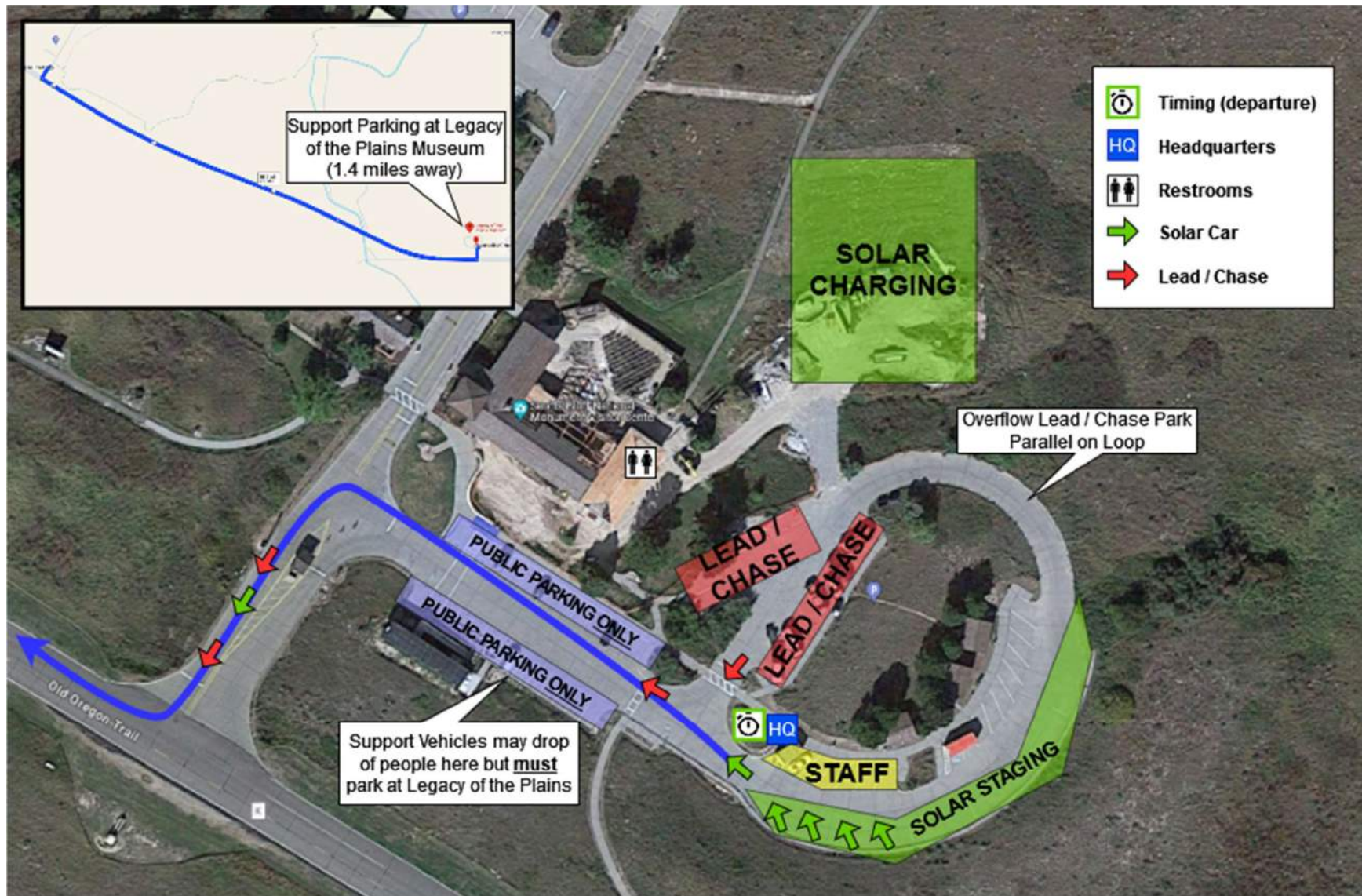
Scotts Bluff National Monument
190276 Old Oregon Trail, Gering, NE 69341

STAGE STOP:

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

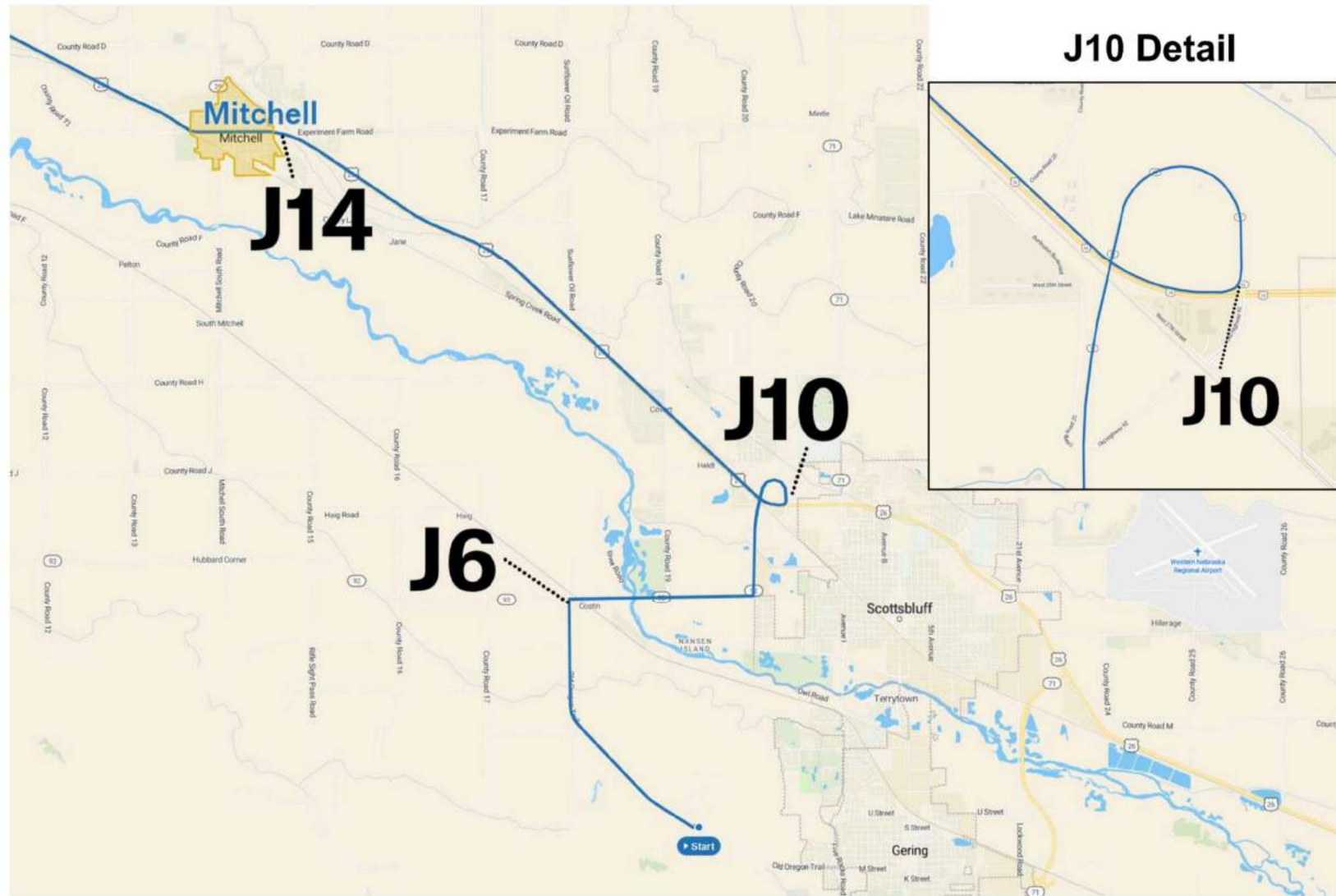


See America by National Historic Trail



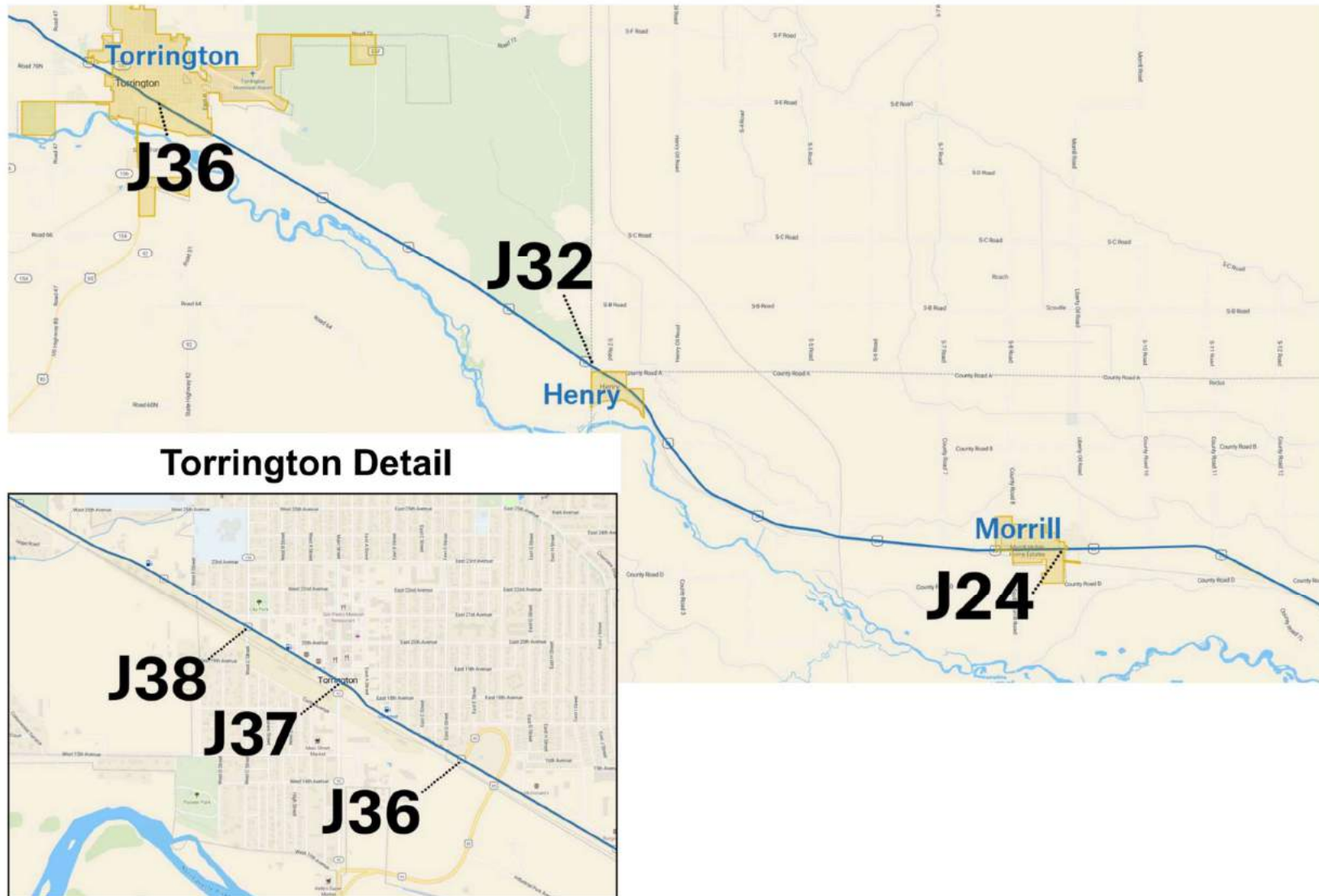
STAGE STOP – Scotts Bluff National Monument – GERING, NE

J1 - J19 Overview



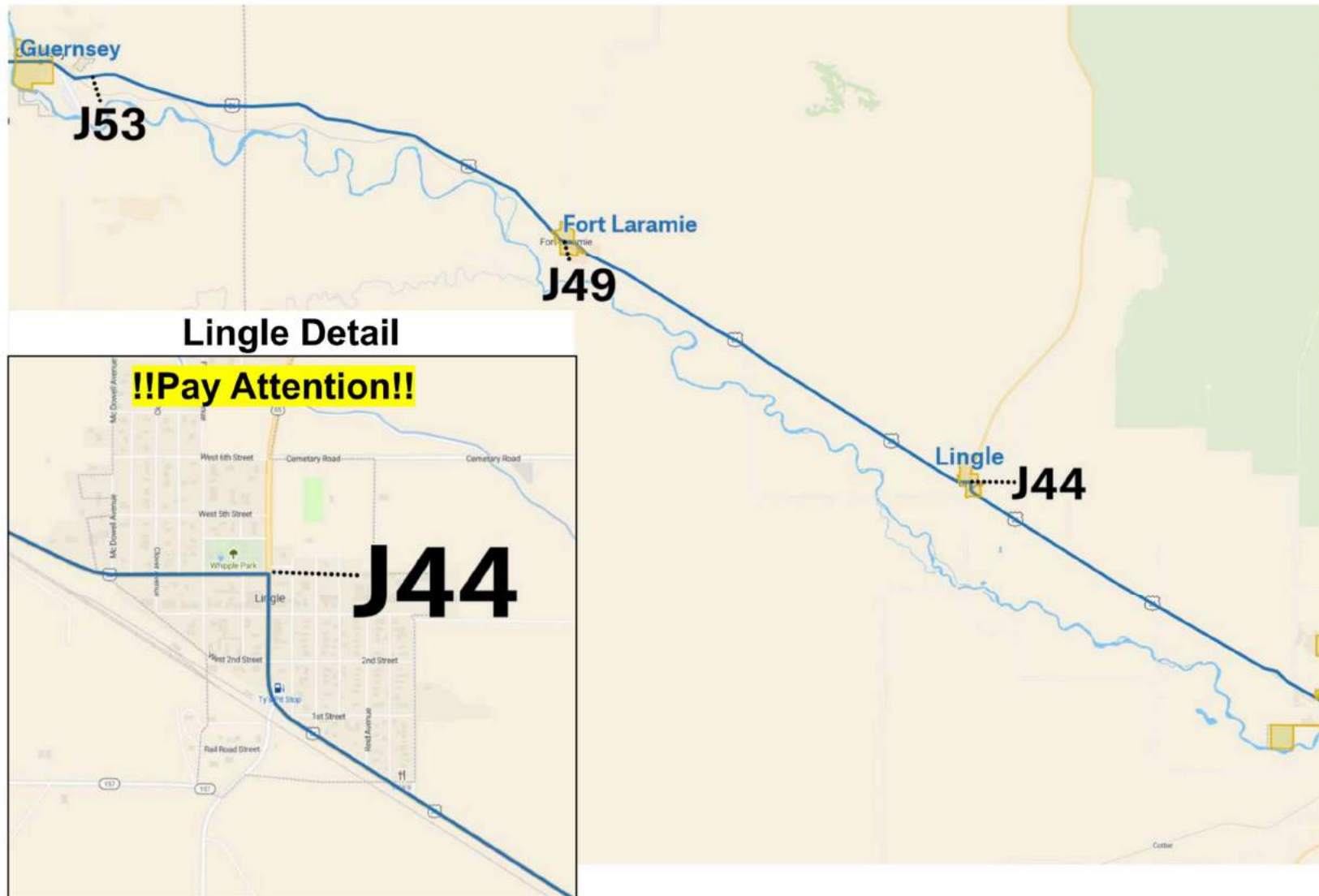
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 1	0.00		EXIT STAGE Stop - head towards exit					
J 2	0.05	0.05	TURN LEFT at Stop Sign towards exit of parking lot					
J 3	0.10	0.05	TURN RIGHT at Stop Sign onto Old Oregon Trail		1	45	grass/gravel	
J 4	0.90	0.80		Pulloff on right				
J 5	1.70	0.80				55		
J 6	3.30	1.60	TURN RIGHT at Stop Sign onto NE-92 East towards Scotts Bluff			65		
J 7	3.40	0.10		RR Tracks - diagonal, big gaps/rough				
J 8	4.00	0.60		Cross North Platte River				
J 9	5.40	1.40	TURN LEFT at flashing red light & Stop Sign to follow NE-92 East	Rumble strips before the turn	1	55	paved	
J 10	7.20	1.80	TURN RIGHT before the stop signs to take the slip lane with yield signs onto US-26 West toward Mitchell	2x rumble strips before SS Merge left after joining US-26, right lane ends ahead	2	70	wide paved	
J 11	7.70	0.50		Mile Marker 21				
J 12	9.10	1.40		Sunset Memorial Park on right after County Rd 19				
J 13	12.80	3.70		Cook Oil Rd, mile marker 16				
J 14	14.30	1.50		Speed limit change after sign for "Experimental Farm Road"		50		
J 15	14.50	0.20		Entering Mitchell (Pop 1,548) at Jct 10th St. Quik Stop on right	2	30	curb	fuel, food
J 16	14.70	0.20		SL for crosswalk / 13th Ave				
J 17	14.80	0.10		SL for Center Ave				
J 18	15.10	0.30		Junction NE-29, Agate Fossil Beds Nat'l Monument sign to right				
J 19	15.40	0.30		Begin divided highway		50		

J20 - J38 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 20	15.60	0.20		RR track - single track on diagonal, speed change just before	2	70	wide paved	
J 21	17.00	1.40		Paved pulloff/extra wide shoulder on right - closed weigh station			paved	
J 22	19.40	2.40	MERGE LEFT after County Rd 10	Right lane ends 1/4 mile ahead	1	65	wide paved	
J 23	20.40	1.00		Entering Morrill (Pop 974, Elev 3,988ft). Speed reduces before sign		45	paved	all
J 24	20.80	0.40		Bright chrome "Penny's Diner" on right				
J 25	20.90	0.10				25	curb	
J 26	21.10	0.20		Flashing yellow for crosswalk at Jirdon Ave				
J 27	21.50	0.40		At Chevrolet dealership		45		
J 28	21.90	0.40		Speed limit change just after center lane ends	1	65	paved	
J 29	25.60	3.70		Historical marker/gravel pulloff with picnic shelter on right				
J 30	27.80	2.20		Entering Henry (Pop 145)		45		none
J 31	28.60	0.80		Speed limit change before "The Kid" fireworks on right		65		
J 32	28.90	0.30		Welcome to Wyoming	1	70	narrow paved	
J 33	32.30	3.40		Rd 175, Dinklage Feedyard and State Historical Marker on right				
J 34	35.20	2.90		Entering Torrington (Pop 6,119, Elev 4,104ft)	1	45	grass/gravel	all
J 35	36.10	0.90		Speed limit change at McDonald's on right		30		
J 36	36.30	0.20	CONTINUE STRAIGHT to follow US-26 West / US-85 North	SL for US-85 South to Cheyenne			curb	fuel
J 37	36.70	0.40		SL for US-85 Business / WY-92 East	2			
J 38	37.00	0.30		SL for West C St / WY-159	2		curb	

J39 - J55 Overview



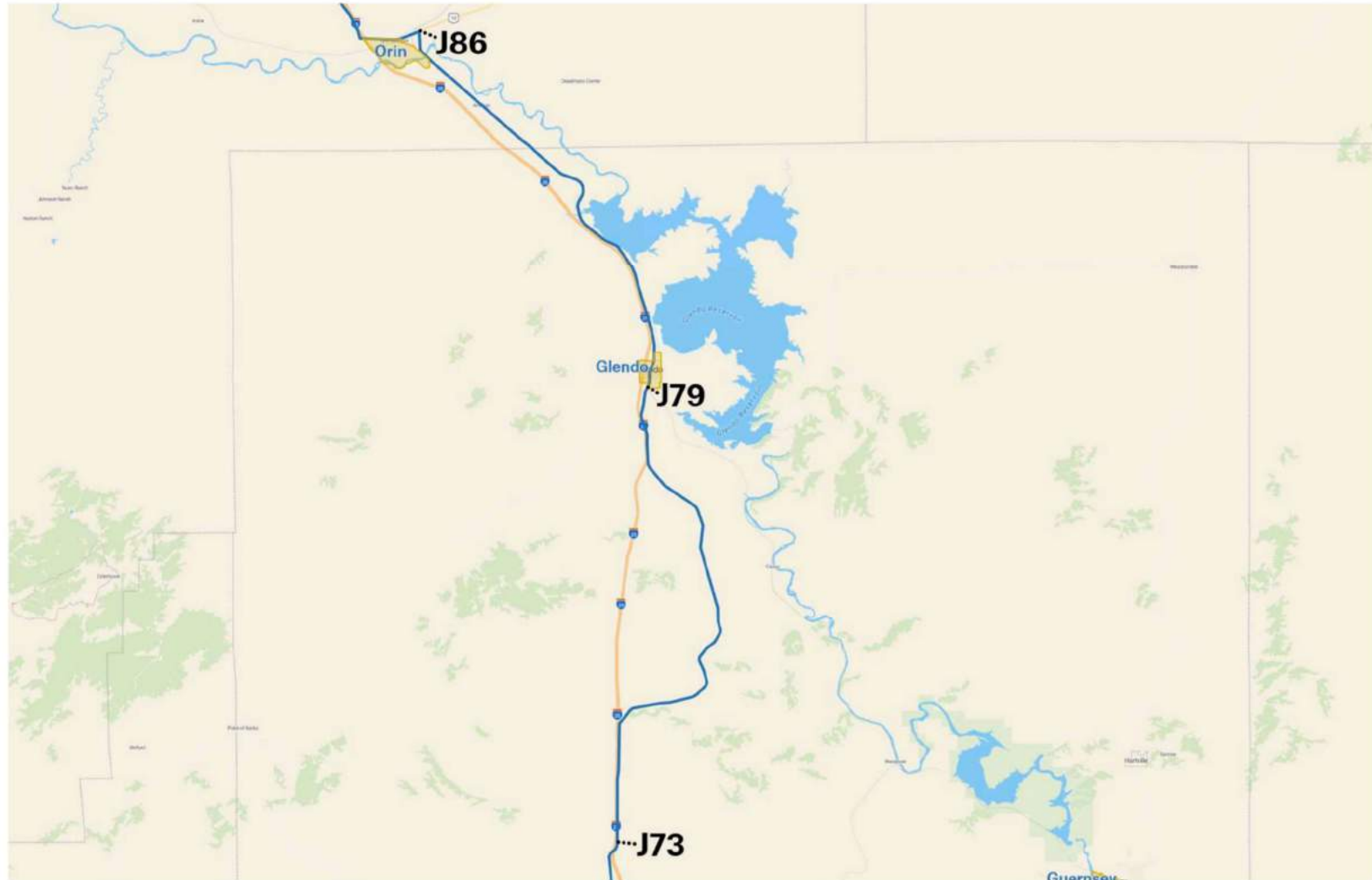
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 39	37.50	0.50		Speed limit change at W 25th Ave, just after AJ's Soda Shop on the right	2	45	paved w/ curb	
J 40	39.70	2.20				55		
J 41	41.60	1.90		Electric substation after Jct Rd 41	2	70	paved	
J 42	45.10	3.50		Large paved pulloff/parking area on right				
J 43	46.10	1.00	CAUTION! ABRUPT speed limit drop! Straight from 70mph to 30mph	Entering Lingle (Pop 403, Elev 4,165ft)		30	curb	fuel, food
J 44	46.60	0.50	TURN LEFT to follow US-26 West on 4th St with signs towards Fort Laramie NO STOP SIGN OR SL. PAY ATTENTION!	Whipple Park on far left corner. Merge left, right lane ends ahead	2	30	paved w/ curb	fuel
J 45	47.00	0.40		Speed sign before "Ft Laramie 10 miles" sign Historic trails auto tour route sign	1	70	paved	
J 46	52.10	5.10		WY-157, Pony Soldier RV Park on right				
J 47	56.00	3.90		Speed limit change at mile marker 29		50		
J 48	56.60	0.60		Entering Fort Laramie (Pop 206, Elev 4,320ft)		30		fuel, food
J 49	57.20	0.60		Speed limit change at Bliss St		70		
J 50	61.00	3.80		Paved pulloff on right for state historical marker	1	70	paved	
J 51	64.90	3.90		Entering Platte County <i>Laramie Peak visible far ahead</i>				
J 52	67.00	2.10		Rest area on left with restrooms and historic marker				
J 53	68.30	1.30		Hartville & Manville turnoff on right/WY-270		45		
J 54	68.70	0.40		Bridge over rail road, Welcome to Guernsey , Pullout on right				all
J 55	69.10	0.40		Camp Guernsey to the left		30		

The map shows the proposed J58 route in blue, connecting to existing roads J71 and J67. The route is labeled 'J58' in large black text. The map includes labels for 'Guernsey', 'Fish Creek Road', 'Dreyer', and 'Guernsey Road'.

The map displays the proposed alignment for two projects, J71 and J70. J71 is represented by a blue line, and J70 is represented by an orange line. The map includes labels for Fish Creek Road, Pinyon Road, and East el Rancho Road. A dotted line indicates a connection between the two projects.

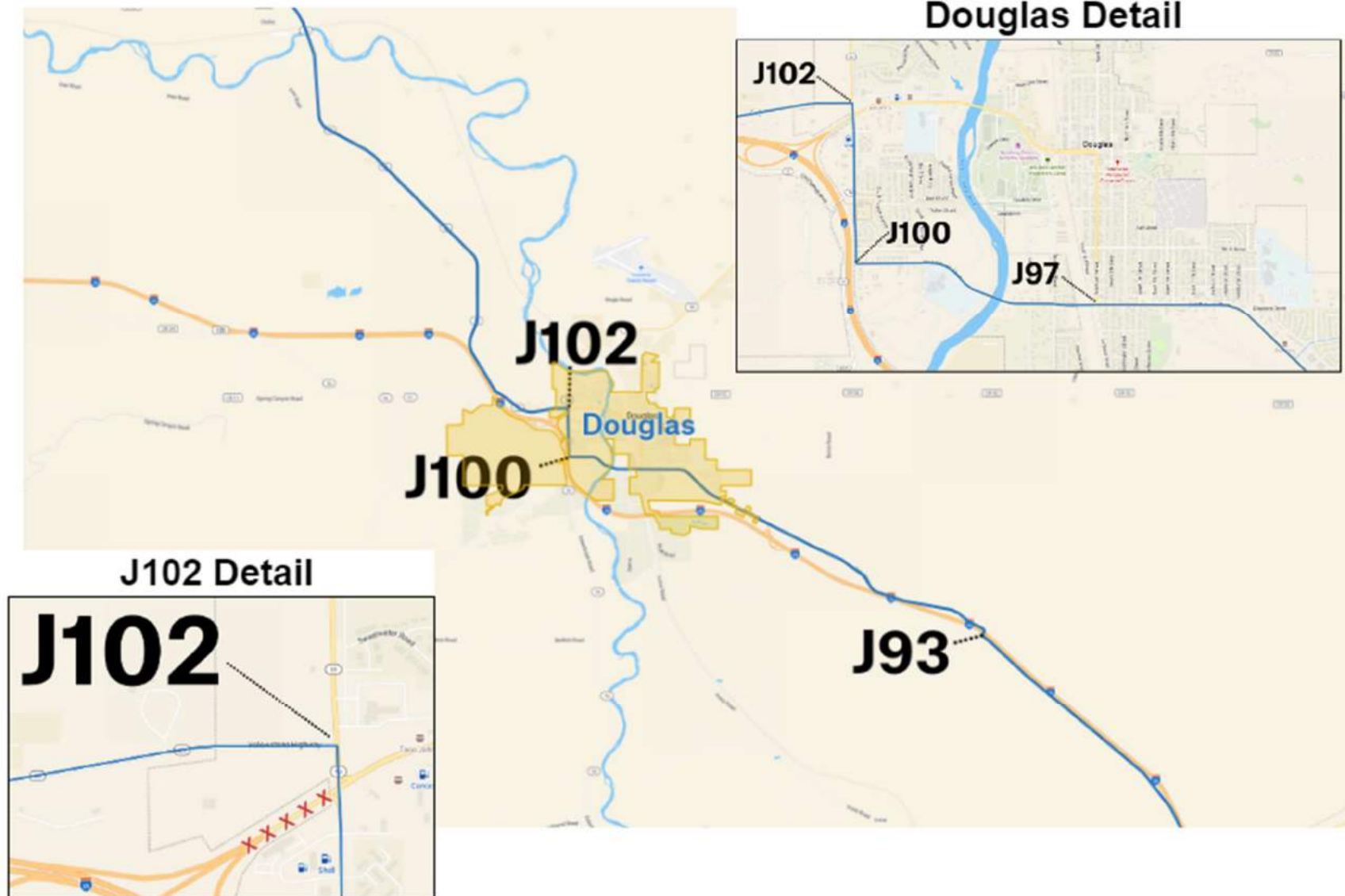
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 56	69.40	0.30		Guernsey (Pop 1147, Elev. 4354ft) Lockmans Lunchbox on left (extremely tasty)			paved w/ curb	all
J 57	70.10	0.70		Cross North Platte River, speed change after bridge		45	paved	
J 58	70.60	0.50		Speed change past WY-317		70		
J 59	72.10	1.50		Historical marker and paved pullout for Rifle Pit Hill on right	1		wide paved	
J 60	74.50	2.40		Gain passing lane for the next mile	2			
J 61	75.40	0.90	MERGE LEFT, right lane ends ahead	<i>View of Laramie Mountains ahead</i>	1			
J 62	78.10	2.70		Gain passing lane for the next mile	2			
J 63	79.00	0.90	MERGE LEFT, right lane ends ahead	<i>Laramie Peak looking pretty big ahead...</i>	1			
J 64	81.40	2.40		Entering Dwyer (Elev 4835)				
J 65	83.10	1.70		Jct WY-320				
J 66	84.30	1.20	CONTINUE STRAIGHT toward I-25 North	Rest area exit on right, speed change before entrance to rest area		50		
J 67	84.60	0.30	KEEP RIGHT at fork to enter I-25 North towards Casper					
J 68	85.00	0.40	MERGE LEFT onto I-25 North / US-26 West / US-87 North towards Casper	Interstate does not have merge lane!	2	80	wide paved	
J 69	86.70	1.70	EXIT RIGHT at Exit 94 for El Rancho Road	First possible exit	1			
J 70	87.20	0.50	TURN LEFT at the bottom of the exit with signs towards Laramie Peak Scout Camp and El Rancho Road, pass under interstate	Warning: Cattle grate at the base of the exit	1	55		
J 71	87.35	0.15	TURN RIGHT onto El Rancho Road No stop sign or SL, pay attention!	RV Park and Campground on far right corner	1	65	none	
J 72	88.90	1.55		Road curves right, passes under interstate, curves left				

J73 - J90 Overview



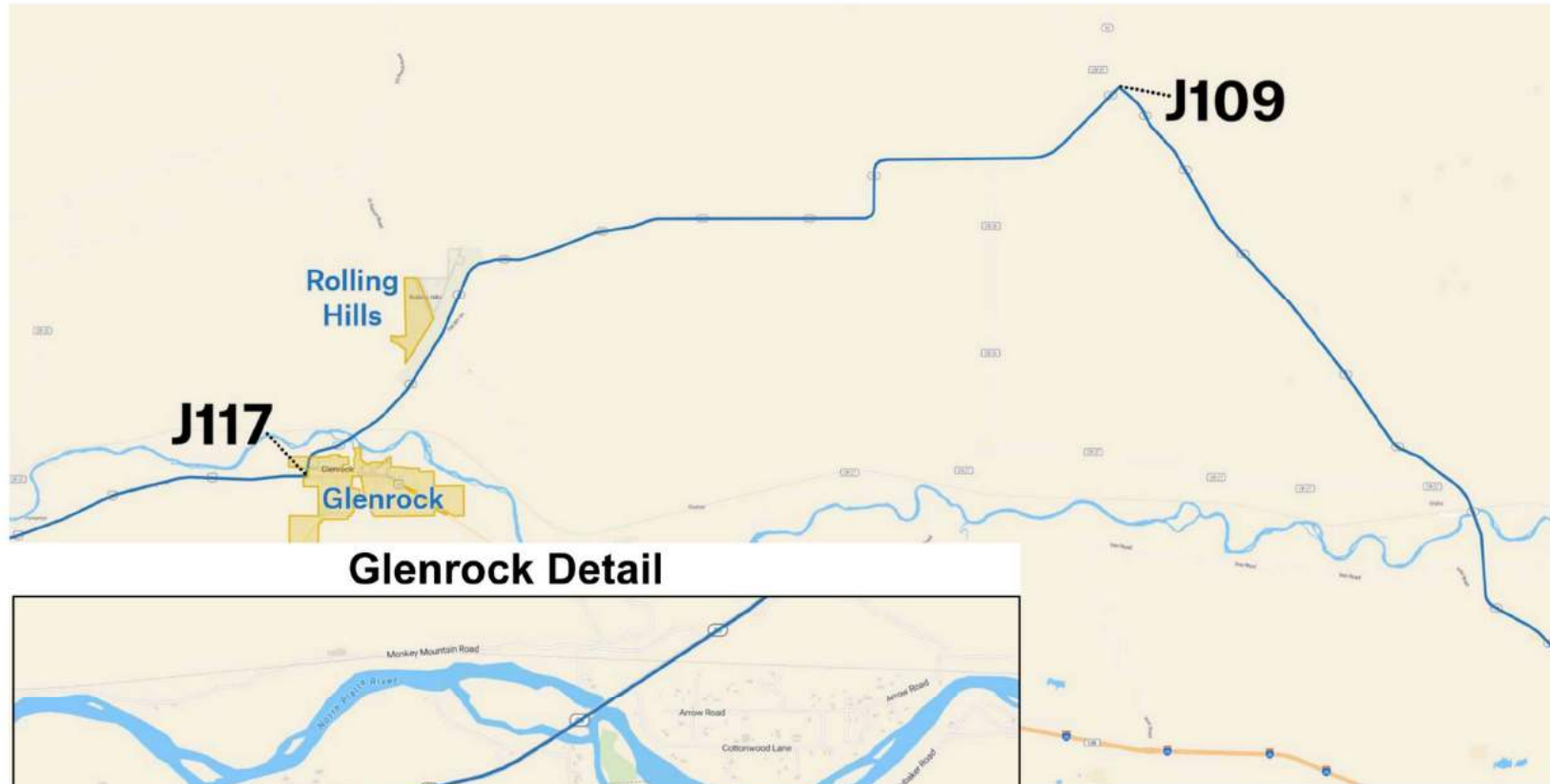
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 73	89.40	0.50		Cross Cottonwood Creek				
J 74	92.90	3.50	CONTINUE STRAIGHT to follow WY-319 (sign for Cassa Road)	Access to I-25 North on left (exit 100), nicer pavement <i>Pine ridge visible to right after intersection</i>				
J 75	96.30	3.40		Solar panel on right, about to pass into small tree-lined ravine				
J 76	100.70	4.40		Bears on top of structure on left				
J 77	102.60	1.90		I-25 visible ahead, WY-319 rejoining the interstate corridor in 2 miles				
J 78	105.10	2.50		Cross Horse Shoe Creek				
J 79	106.80	1.70	CAUTION! ABRUPT speed limit drop (65mph to 30mph)!	Bridge over RR tracks, Entering Glendo (Pop 237, Elev 4,718)		30	paved w/ curb	all
J 80	107.30	0.50		A St, turnoff for I-25 on left (exit 111)				
J 81	107.40	0.10		Giant white and blue chair on right				
J 82	107.80	0.40	CONTINUE STRAIGHT to follow WY-319 / S Glendo Hwy	Speed limit change at mile marker 212.41, signs for Glendo State Park to right.	1	70	paved	
J 83	111.70	3.90		Glendo Reservoir on right				
J 84	116.40	4.70		Entering Converse County, mile marker 221				
J 85	120.70	4.30		Cross North Platte River, metal truss rail bridge to left				
J 86	121.60	0.90	TURN LEFT at Stop Sign onto US-20 / US-18 towards Douglas	3x rumble strips before sign, cross traffic does not stop. Mile marker 226				
J 87	122.70	1.10		Sinclair gas station on right				fuel
J 88	123.10	0.40	CONTINUE STRAIGHT, do not enter I-25	Rest area on left, junction with I-25		40		
J 89	123.20	0.10		Pass over I-25, speed limit drops just before bridge		30		
J 90	123.50	0.30	FOLLOW CURVE as road curves sharply to the right	After the curve you will be driving north, with I-25 on your right. Now on Orin Way	1	65	none	

J91 - J106 Overview



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 91	124.50	1.00		Mile marker 1, rough pavement				
J 92	125.70	1.20		Pulloff on right				
J 93	128.40	2.70	CAUTION! Very sharp right corner with suggested 25mph sign	3x rumble strips before curve. Cross under I-25, 13' 8" bridge height. Sharp left corner afterward.				
J 94	130.70	2.30		Tower Rd and radio towers to right				
J 95	132.60	1.90		Access to I-25 on left ahead (exit 135)	2	45	paved	fuel
J 96	133.60	1.00	MERGE LEFT, right lane ends ahead	Entering Douglas (Pop 6,120, Elev 4,836ft)	1	30		all
J 97	135.00	1.40		SL for La Bonte Rd/4th St, followed by RR tracks			paved w/ curb	
J 98	135.50	0.50		Cross North Platte River				
J 99	135.90	0.40		Flashing red light with crosswalk sign for 4-way stop sign at Windriver Dr				
J 100	136.30	0.40	TURN RIGHT at Stop Sign for S Riverbend Dr	T-intersection, sign for "Truck Route to I-25 and WY-59"	2	30	paved w/ curb	
J 101	137.00	0.70	CONTINUE STRAIGHT at SL for Yellowstone Highway, do NOT turn left here! Prepare for turn immediately afterwards	Access to I-25 at left (exit 140)				fuel
J 102	137.05	0.05	TURN LEFT at first road after the SL onto WY-93 NO STOP SIGN OR SL, PAY ATTENTION! EASY TO MISS!	Dedicated left turn lane. Brown sign pointing left for "STATE HISTORIC SITE: FORT FETTERMAN" on right side of the road	2	70	narrow paved	
J 103	137.40	0.35		Brown sign on right for Fort Fetterman 7 miles ahead				
J 104	137.70	0.30	MERGE LEFT; right lane ends	Merge left, right lane ends Small wind turbine past crest of hill on left	1	70		
J 105	138.60	0.90		Paved pullout on right				
J 106	144.80	6.20		Fort Fetterman Historic Site on right				

J107 - J120 Overview



Glenrock Detail

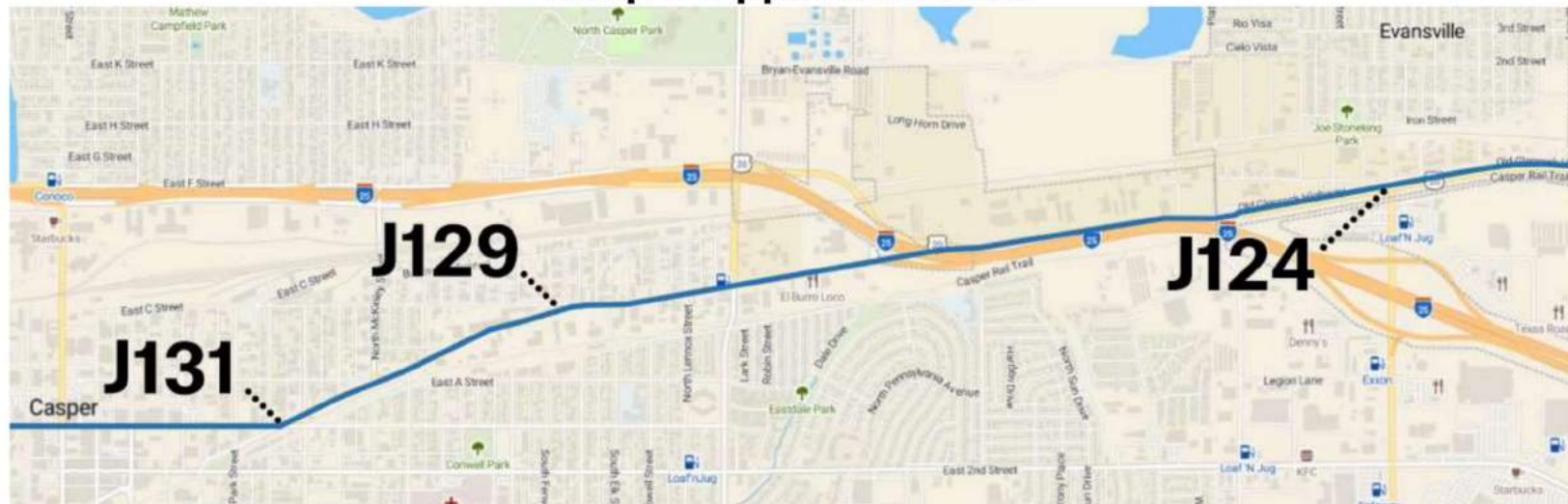


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 107	145.60	0.80		Cross North Platte River & single RR track				
J 108	146.10	0.50		"Point of interest" historical marker & large paved pulloff on right "One Mile Hog Ranch"				
J 109	155.20	9.10	TURN LEFT onto WY-95 towards 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 18.21	1	65	narrow paved	
J 110	155.40	0.20		"Rolling Hills 13, Glenrock 17" Large oil derrick on right over the first hill, wind farm ahead and on right in the distance <i>Cross 5,280ft (1 mile) elevation</i>				
J 111	164.70	9.30		Crest over highest point in the middle of the wind farm				
J 112	168.80	4.10		Access to Rolling Hills (Pop 427, Elev 5,291ft) on right via CR 23	1	65		fuel
J 113	169.40	0.60		Paved pulloff on right				
J 114	170.00	0.60		5% downward grade next 1.3 miles				
J 115	170.70	0.70		Speed changes after large electric transmission line support nearest to road, still in the middle of the descent		55	paved	
J 116	171.20	0.50		Cross North Platte River				
J 117	172.30	1.10	TURN RIGHT just before Stop Sign onto US-20 / US-26 West / US-87 North	T-intersection. Merge left after turning, right lane ends in 1/4 mile ahead Glenrock town to left	1	45	narrow paved	
J 118	172.90	0.60		Blue Grass River Ranch on right	1	70	narrow paved	
J 119	182.50	9.60		Entering Natrona County, Mile Marker 176.39				
J 120	185.40	2.90		Round-Up Road				

J121 - J133 Overview



Casper Approach Detail



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 121	190.00	4.60		SL for WY-256/WY-253, access to I-25 to left (exit 182), mile marker 184 Entering Evansville (Pop 2,746, Elev 5,123ft)	2	55	narrow paved	
J 122	191.40	1.40		Sinclair Casper Refinery on right & cross Elkhorn Creek				
J 123	192.30	0.90		Speed limit change at billboard for Sonny's RV Storage on right and WY-258	2	40	gravel	
J 124	193.00	0.70		SL for Curtis St, I-25 access to left (exit 185)			curb	
J 125	193.40	0.40		Entering Casper (Pop 59,038, Elev 5,123ft) SL for Walsh and Western		30		all
J 126	193.90	0.50	CONTINUE STRAIGHT on US-20 / US-26 / US-87 Business over I-25	Bryan Stock Trail exit on right				
J 127	194.10	0.20		By the Subaru dealership		30		
J 128	194.40	0.30		SL for N Beverly St				
J 129	194.70	0.30	CONTINUE on US-20 Business / Yellowstone Highway, follow road to the left	C St goes straight, Peerless Tires on right				
J 130	195.20	0.50		SL for East A St/N McKinley St				
J 131	195.40	0.20	TURN RIGHT at SL for E 1st St towards I-25 North	Galles Liquor Mart on right	2	30	curb	
J 132	195.60	0.20		SL for N Beech St				
J 133	195.70	0.10		SL for N Durbin St				

J134 to Finish Line Overview



Congratulations!
You've made it to the end
of the Electrek American
Solar Challenge 2024!

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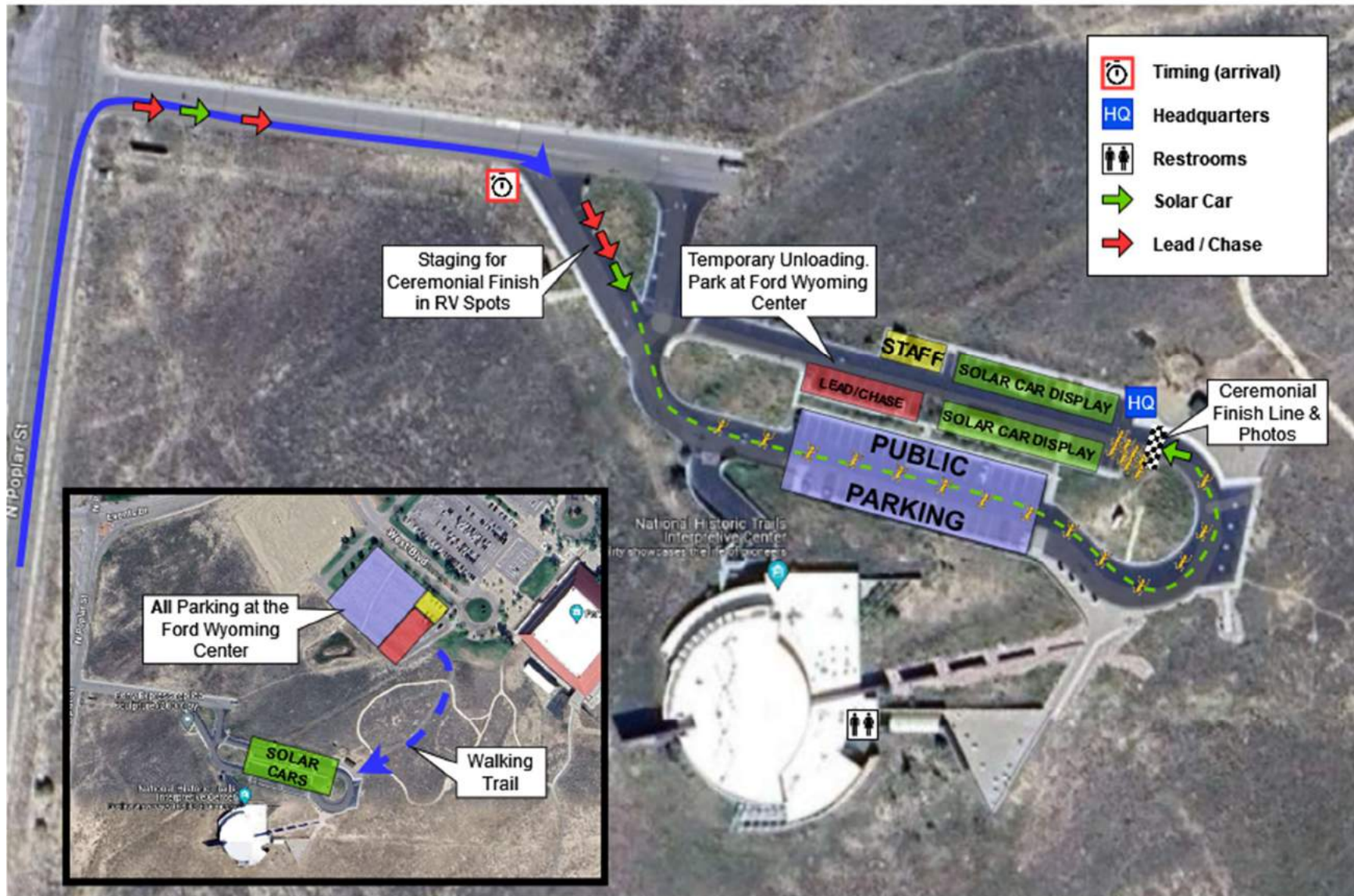


**See America By
National Historic Trail**



See Checkpoint Diagram for Arrival Information

Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
J 134	195.75	0.05		SL for N Wolcott St				
J 135	195.80	0.05		SL for N Center St				
J 136	195.85	0.05		SL for N David St				
J 137	195.95	0.10		SL for N Ash St				
J 138	196.20	0.25		Cross bridge over North Platte River	2	40		
J 139	196.50	0.30	TURN RIGHT at SL onto N Poplar St / WY-220 East		2	40	curb	
J 140	196.70	0.20		Bridge over RR tracks, speed limit drop on other side		30		
J 141	197.10	0.40		SL for English Ave				
J 142	197.20	0.10		2x SLs for I-25 / US-20 / US-26				
J 143	197.30	0.10		SL for F St				
J 144	197.40	0.10		Uphill climb to the finish	2	40	curb	
J 145	198.20	0.80	TURN RIGHT at the sign for the National Historic Trails Interpretive Center					
J 146	198.25	0.05	ARRIVE at Casper finish line	Follow staff directions				



FINISH LINE – National Historic Trails Interpretive Center – CASPER, WY