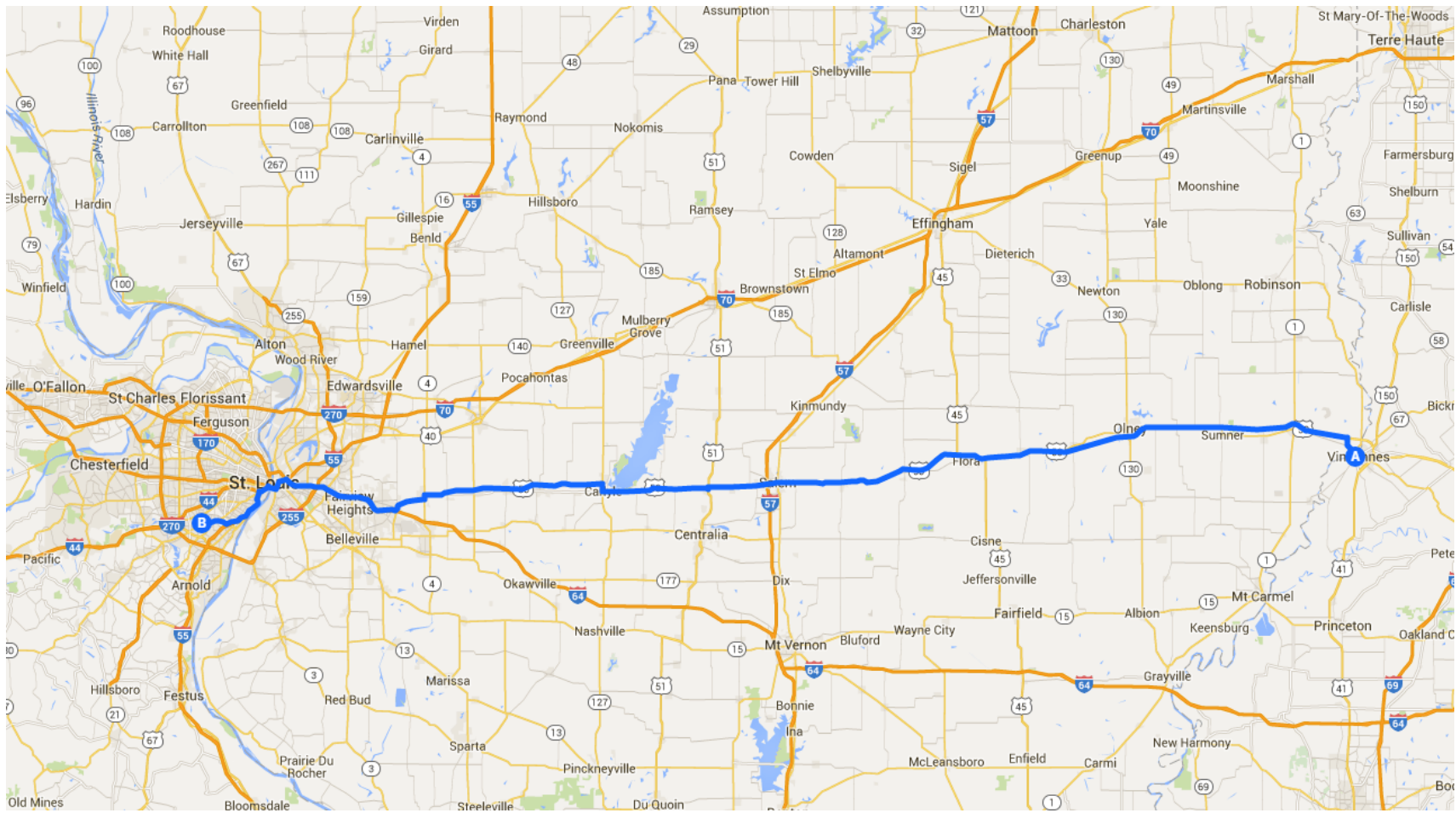


STAGE 2

PART A

2016 AMERICAN SOLAR CHALLENGE

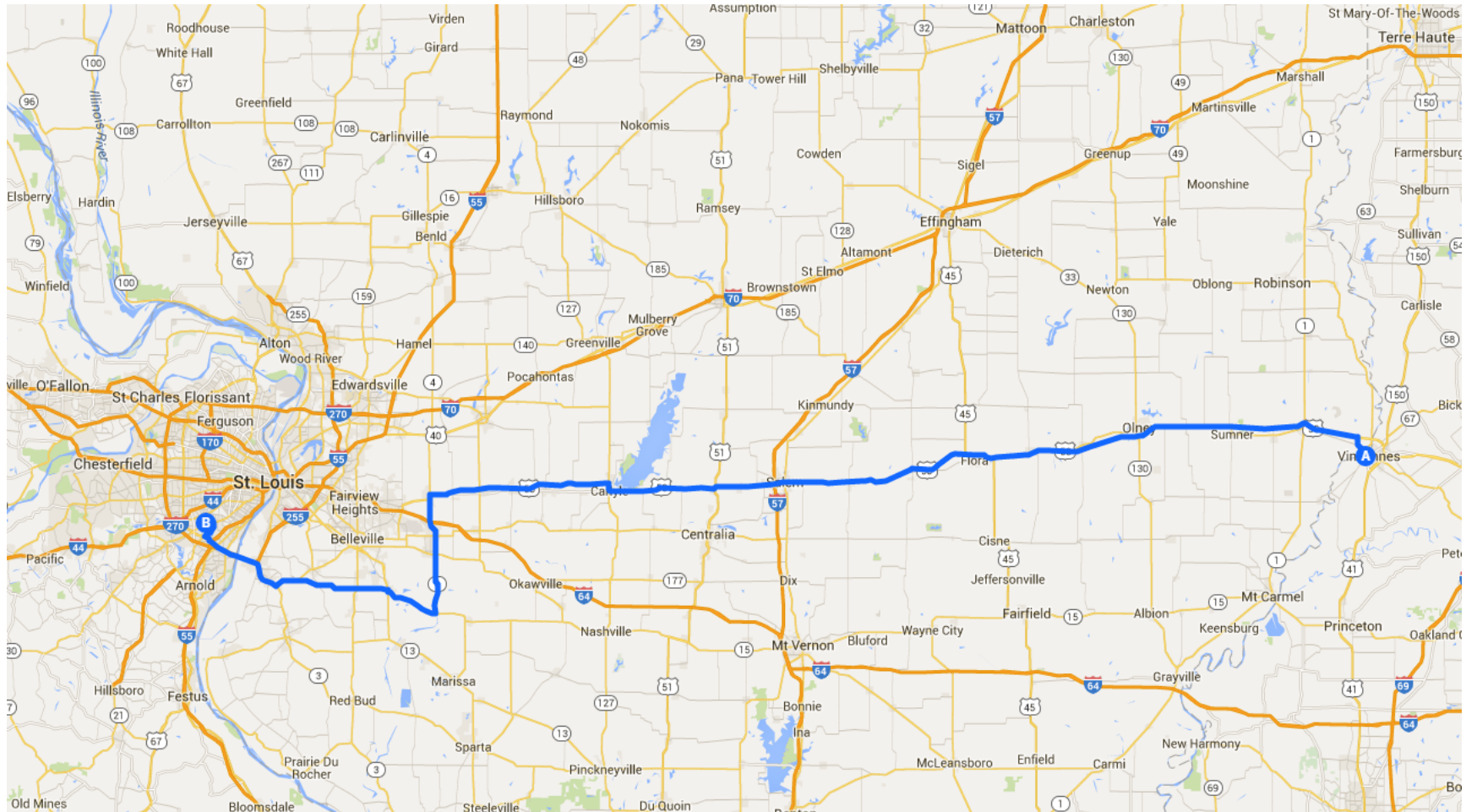
Vincennes, IN – St. Louis, MO

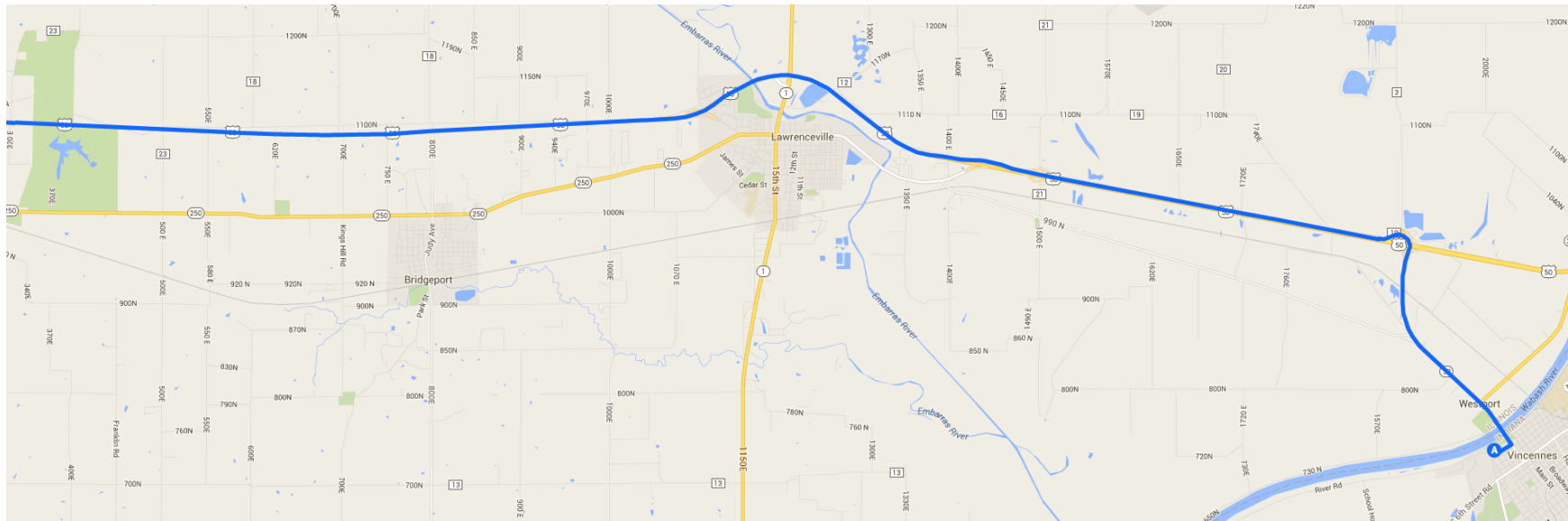


SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

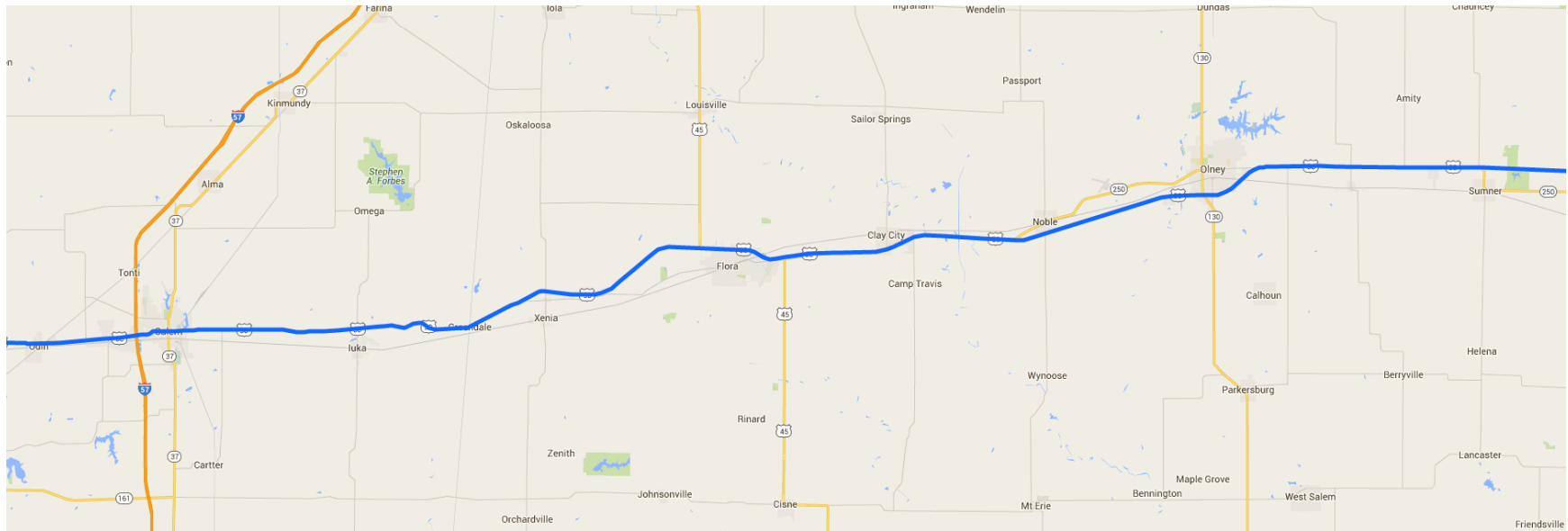
Step	Direction	Interval
1.	Head Northeast on S 2 nd Street	
2.	Turn left onto IN-441 N/Vigo St, cross into Illinois and continue on IL-33	0.2 mi
3.	Take the ramp onto US-50 W, continue to follow US-50 next 134 miles. Note: US-50 is the solar car route. Teams will be penalized for support vehicles impeding other solar car teams, so make sure your CB radios are working properly and keep an eye out for solar car caravans!	2.9 mi
4.	Turn left onto Air Mobility Drive with signs for I-64	134 mi
5.	Merge onto I-64 W/US-50 W via the ramp to E St Louis	0.3 mi
6.	Keep right to continue on I-55 S/I-64 W	16.6 mi
7.	Take exit 40B W for I-44 toward I-70/Kansas St/Walnut St	2.4 mi
8.	Keep left at the fork and merge onto I-44/I-55 S	0.1 mi
9.	Keep left at the fork to continue on I-55 S, follow signs for Interstate 55 S	1.2 mi
10.	Take exit 201A for Bayless Ave	7.1 mi
11.	Turn right onto Bayless Ave	0.1 mi
12.	Turn left onto Gravois Rd	1.3 mi
13.	Turn right onto Grant Rd and follow the signs to the checkpoint	1.9 mi

SOLAR CAR ROUTE OVERVIEW

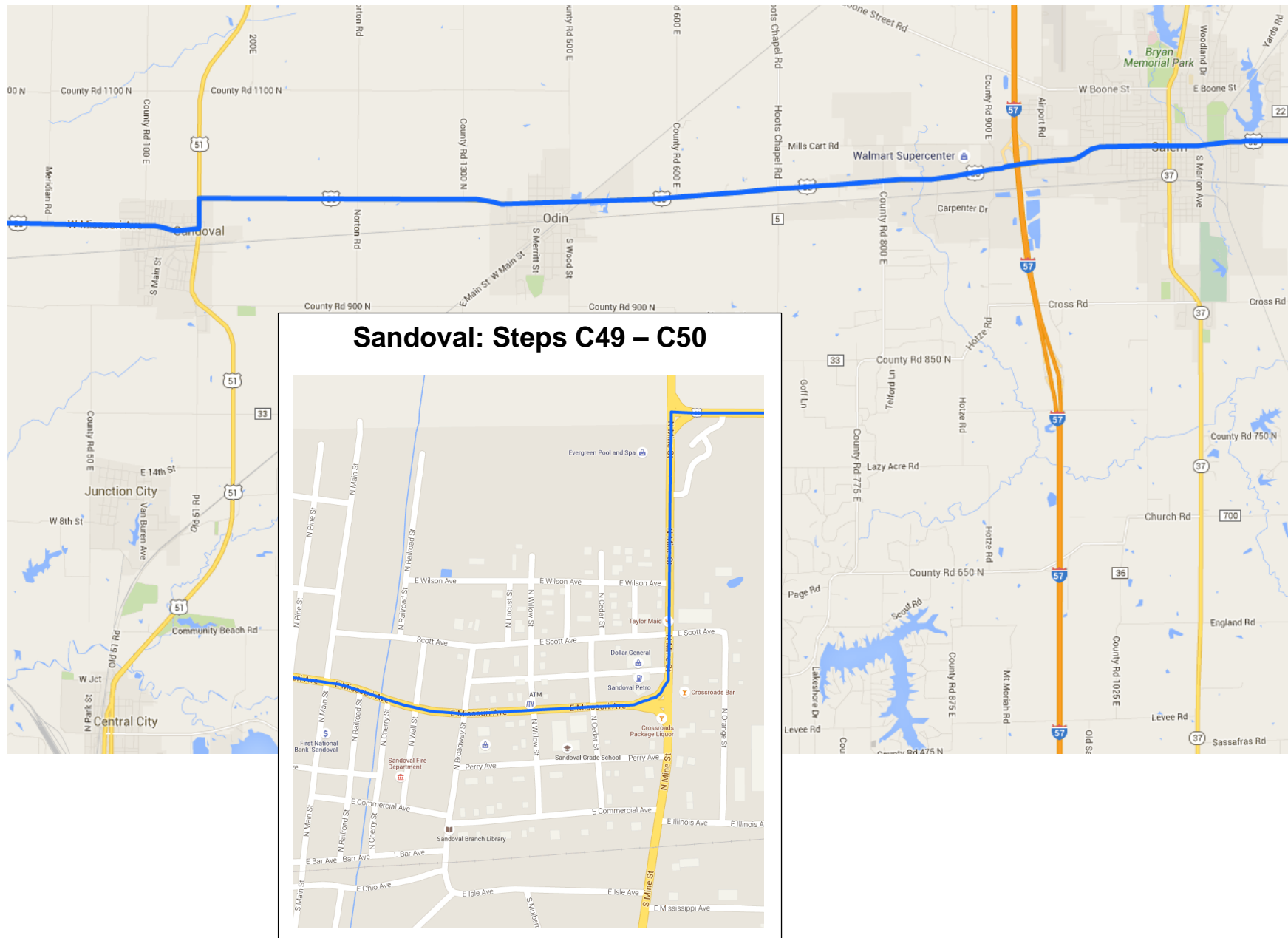




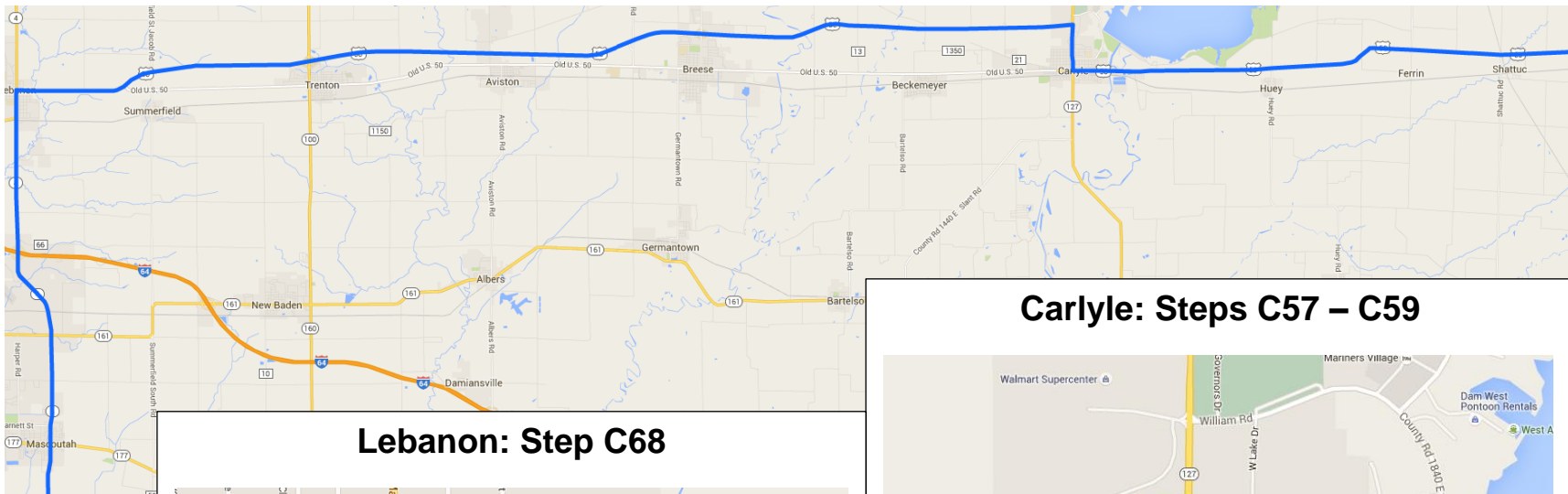
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 1	0.00		Turn left out of the parking lot onto S 2nd St		1	20	curb	
C 2	0.25	0.25	Turn left at the stop sign onto Vigo St					
C 3	0.30	0.05	SL		1	25	curb	
C 4	0.40	0.10		Cross bridge into Illinois				
C 5	0.70	0.30			1	40	narrow/ gravel	
C 6	1.10	0.40				45		
C 7	1.60	0.50				55		
C 8	2.60	1.00				45		
C 9	2.90	0.30	Continue straight under the overpass and left up the onramp onto US-50 West					
C 10	3.40	0.50		Divided 4-lane highway	2	65 min 45	narrow/ grass	
C 11	7.90	4.50	Continue straight on US-50 West, do NOT exit left for US-50 Business					
C 12	8.10	0.20	Divided highway ends 1/4 mile ahead; merging traffic		1	55	narrow paved	
C 13	10.60	2.50		IL-1 Junction with access to Lawrenceville and Marshall				
C 14	14.70	4.10		Flashing yellow for Bridgeport Rd/800 E				Fuel
C 15	18.60	3.90		Red Hill State Park on the left				
C 16	20.40	1.80		Junction IL-250				
C 17	27.80	7.40		Pulloff area on right (gravel)				



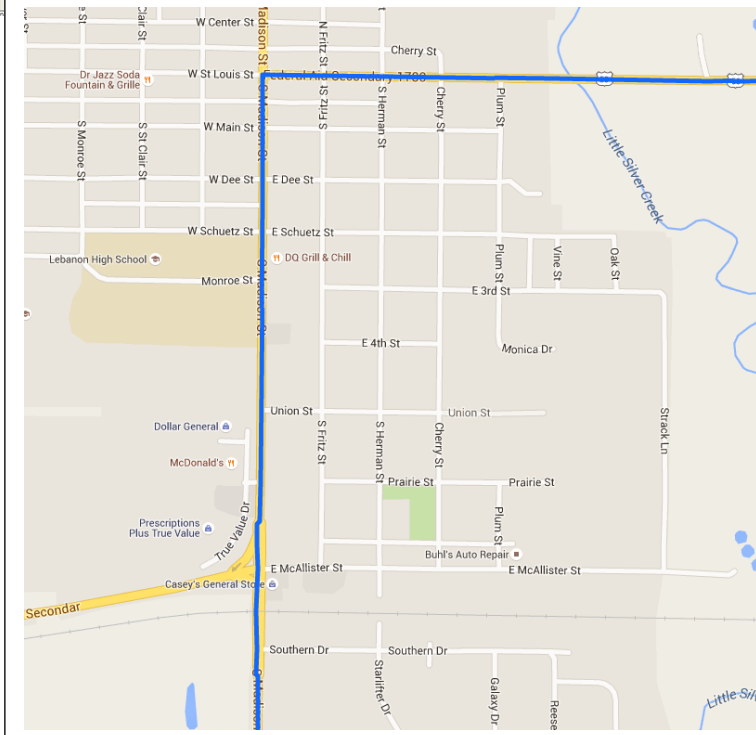
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 18	30.30	2.50		Access to Olney, signs for hospital to right	1	55		hospital
C 19	33.10	2.80		All-way stop with flashing red at junction with IL-130			gravel	fuel
C 20	40.40	7.30		IL-9 with access to Noble				
C 21	47.60	7.20		Clay City Road			gravel	fuel
C 22	51.60	4.00		Divided 4-lane highway for 0.7 miles		55	paved	
C 23	54.60	3.00		Entering Flora		45		hospital
C 24	55.20	0.60		SL for N State Street				Fuel, food, pharmacy
C 25	55.70	0.50		SL for Worthey Street				
C 26	55.80	0.10				55	paved	
C 27	56.20	0.40		4-way stop with flashing red and rumble strips for US-45				
C 28	64.00	7.80		Xenia lola Rd, shoulder narrows afterward			narrow	
C 29	70.20	6.20		wide shoulder for 1/2 mile				
C 30	72.70	2.50		N Main St/Omega Rd, access to Luka to the left				fuel
C 31	80.00	7.30		Entering Salem, cross Crooked Creek		45		
C 32	80.40	0.40				35	curb	
C 33	80.80	0.40				30		
C 34	81.10	0.30	Stay in center lane - right and left lanes are turn only	SL for Jefferson Ave				



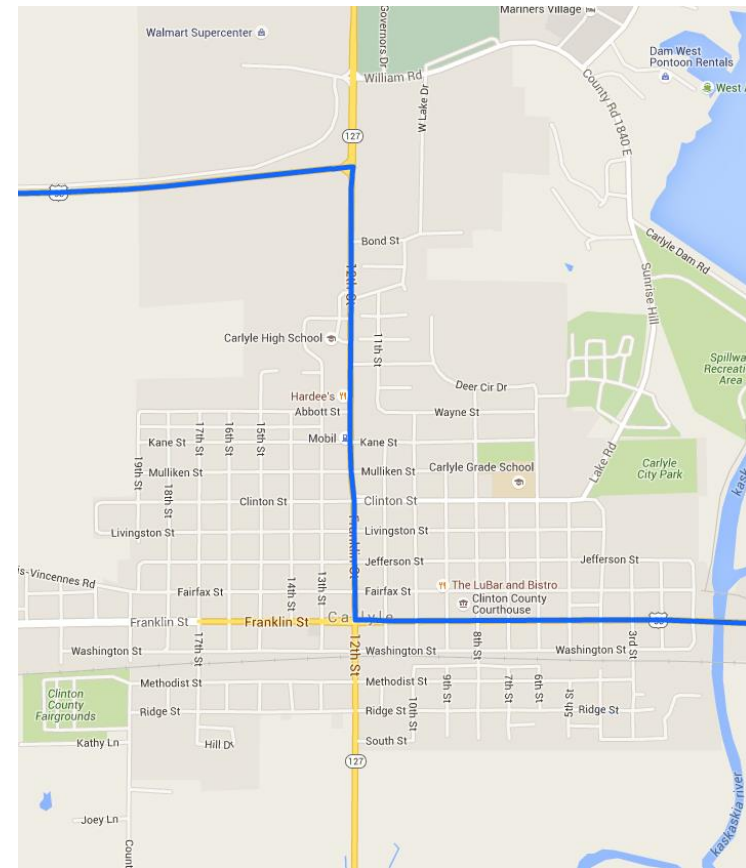
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 35	81.20	0.10		SL for Broadway/IL-37	1	30		
C 36	81.40	0.20		SL for College Ave				Fuel, food, auto parts
C 37	81.70	0.30				35		
C 38	81.80	0.10		SL for Illinois Ave	2	35	curb	
C 39	82.50	0.70		SL for Kinney Blvd/I-57 North				
C 40	82.70	0.20		SL for I-57 South				Full services
C 41	82.90	0.20		SL for Hotze Road	2	45		
C 42	83.90	1.00	Merge into one lane after the SL	SL for Selmaville Rd	1	50	paved, narrow	
C 43	84.30	0.40				55		
C 44	85.30	1.00			1	45	paved/ gravel	
C 45	85.70	0.40				55		
C 46	86.60	0.90		Entering Odin		35	curb	
C 47	87.70	1.10				55	narrow	
C 48	89.90	2.20		Entering Sandoval		45		
C 49	90.40	0.50	Turn left at stop sign to follow US-50.	Cross traffic does not stop!	1	35	curb	
C 50	90.60	0.20	Turn right to follow US-50.	No stop sign or SL, pay attention! Dollar General on right	1	30	curb	
C 51	91.30	0.70				40		



Lebanon: Step C68



Carlyle: Steps C57 – C59



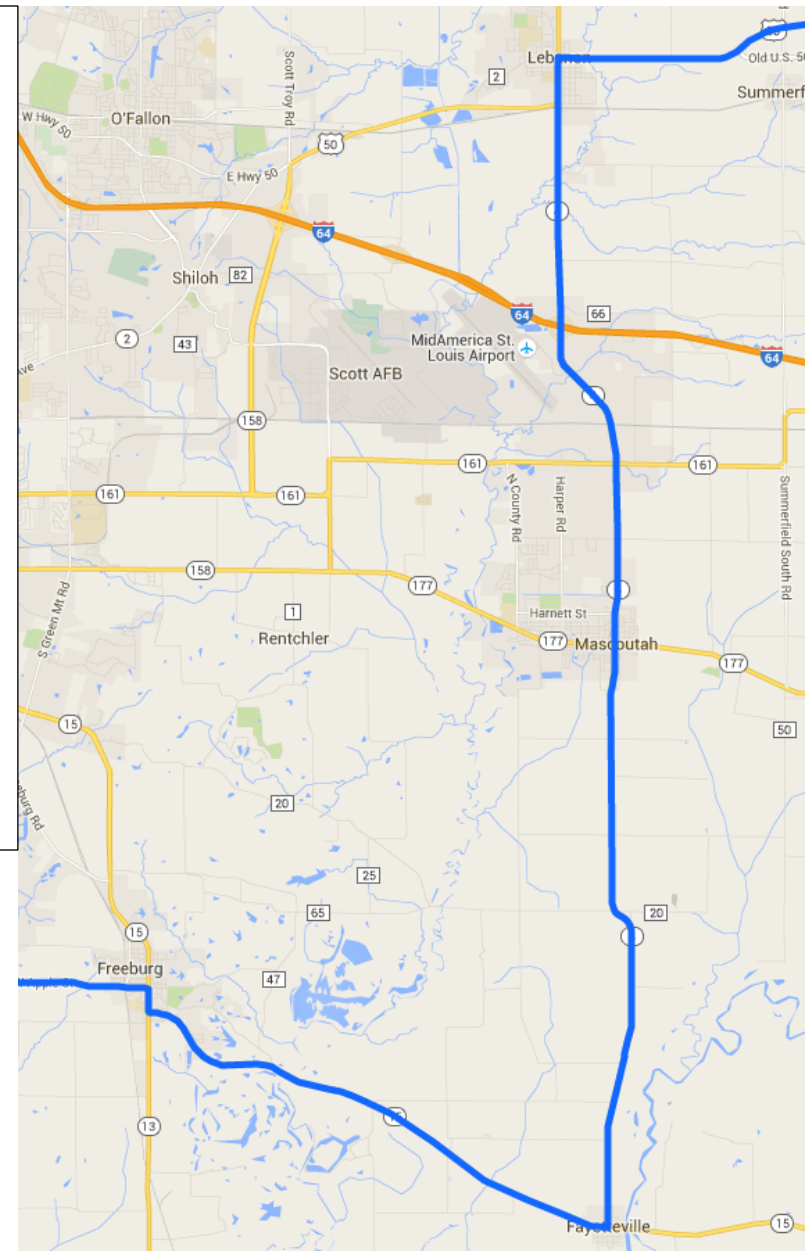
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 52	91.70	0.40			1	55	narrow	
C 53	95.10	3.40		RR Tracks	1	55	narrow gravel	
C 54	102.90	7.80		Entering Carlyle		45		
C 55	103.80	0.90				40	curb	
C 56	104.10	0.30			1	30	curb	
C 57	104.90	0.80	Turn right at the SL junction IL-127 to follow US-50 West		1	30		fuel, grocery, pharmacy
C 58	105.60	0.70				35		
C 59	105.90	0.30	Turn left at the SL to follow US-50 towards Lebanon		1	55	wide paved	
C 60	113.60	7.70		Gain divided highway for next mile, access to Breese	2	55	wide paved	hospital access at exit
C 61	114.60	1.00	Left lane ends, merge right		1	55		
C 62	118.90	4.30		Russland Rd with access to Aviston				
C 63	122.20	3.30		Gain 4-lane divided highway for next 1.5 miles	2	55		
C 64	123.30	1.10		IL-160 with access to Trenton				
C 65	127.70	4.40		Shoulder narrows			narrow	
C 66	129.50	1.80		Entering Lebanon	1	40	narrow	
C 67	129.70	0.20				30		
C 68	129.80	0.10	Turn left at the SL to follow US-50 West		1	35	curb	fuel, food

Freeburg: Steps C83 – C85

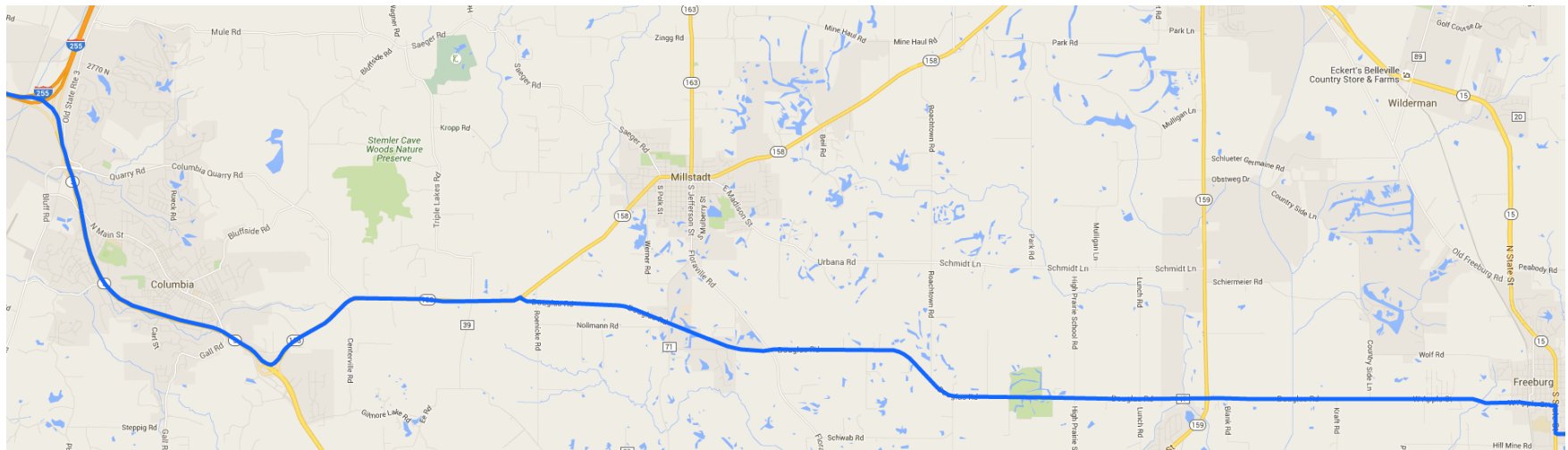
The map displays the route for Steps C83 through C85 in Freeburg, Illinois. The route is highlighted in blue and yellow, starting from the west and ending near the Southgate Center. Key landmarks and businesses shown include:

- Freeburg Area Library District
- Freeburg Elementary School
- Kennedy Auto Sales
- Valentino's
- Citizens Community Bank
- Gary's
- Car Co of Freeburg
- Moto Mart
- Southgate Center
- Freeburg Pharmacy
- Freeburg Animal Hospital
- Hubbell Wiegmann
- Sentinel Emergency Solutions
- Siemens Manufacturing
- Lucky Joe's Car Bar & Grill
- The Flower Factory
- Jack & Jill's Cut Color Crease
- Regions Bank
- Pizza Hut
- ATM
- Subway
- Old Greenville Rd
- Elizabeth Dr
- Adams St
- Southgate Dr
- Freeburg Recreational Park

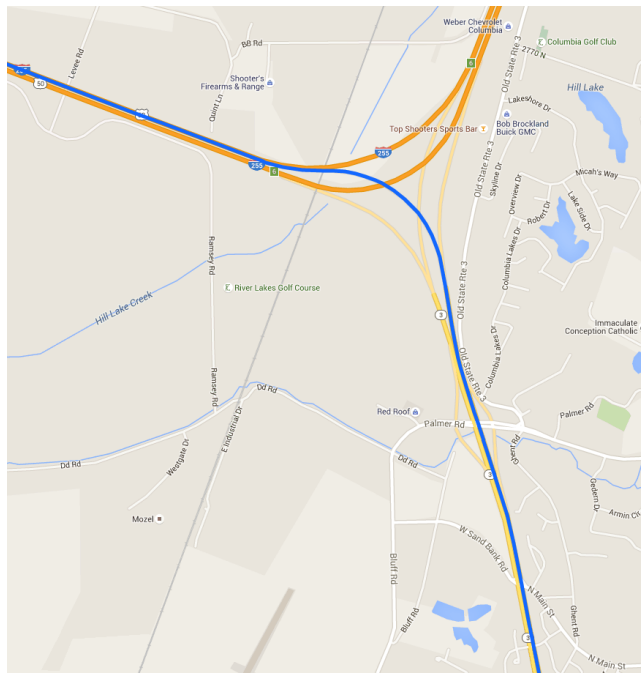
The route starts near the intersection of W Apple St and S Main St, proceeds east along W Apple St, then turns south along S Main St, and finally turns east along S Main St towards the Southgate Center.



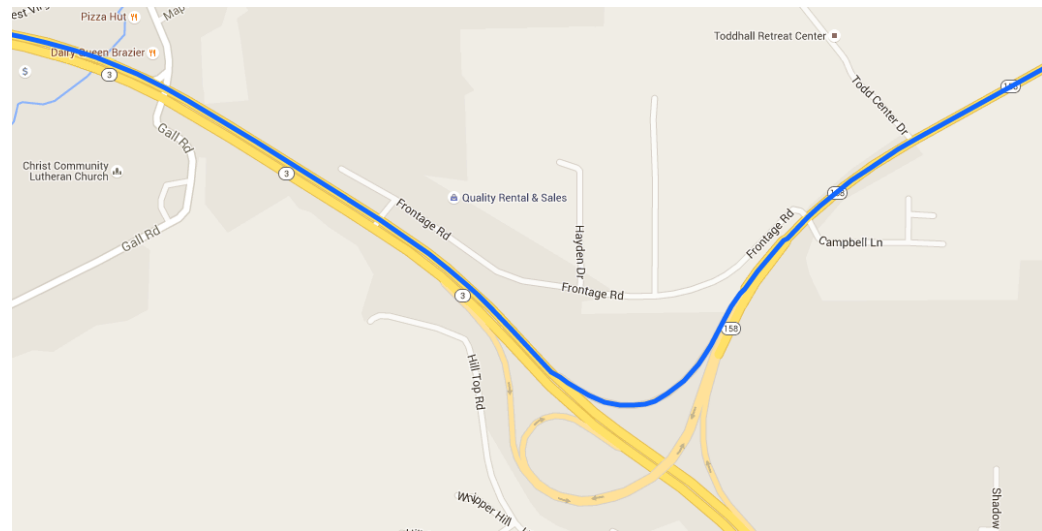
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 69	130.40	0.60	Continue straight on IL-4 South at the 4-way stop	Do NOT turn right following US-50 West. Casey's General Store on left	1	35		
C 70	130.50	0.10		RR Tracks		55	narrow	
C 71	133.30	2.80	Stay left - right lane is temporary and becomes turn-only ahead	Junction I-64		55		fuel
C 72	135.00	1.70		RR Tracks			paved/ gravel	
C 73	135.60	0.60		SL for Junction IL-161				
C 74	137.30	1.70		Entering Mascoutah		35	curb	
C 75	137.60	0.30				30		
C 76	138.10	0.50		All-way stop for Main Street, Junction IL-177				
C 77	138.70	0.60				55	narrow gravel	
C 78	145.80	7.10		Entering Fayetteville	1	40		
C 79	146.10	0.30	Turn right at the stop sign for Main Street/IL-15.	Flashing red, all-way stop	1	35		
C 80	146.40	0.30				55		
C 81	152.50	6.10		Entering Freeburg		40	narrow grass	
C 82	152.80	0.30				35		
C 83	153.10	0.30	Turn right at the stop sign onto IL-15	Cross traffic does not stop. Moto Mart on the right	1	30	curb	
C 84	153.25	0.15		SL for Lincoln Court				
C 85	153.40	0.15	Turn left at SL for Apple Street	Note - the road changes names to "Douglas Rd" somewhere outside town	1	30	curb	



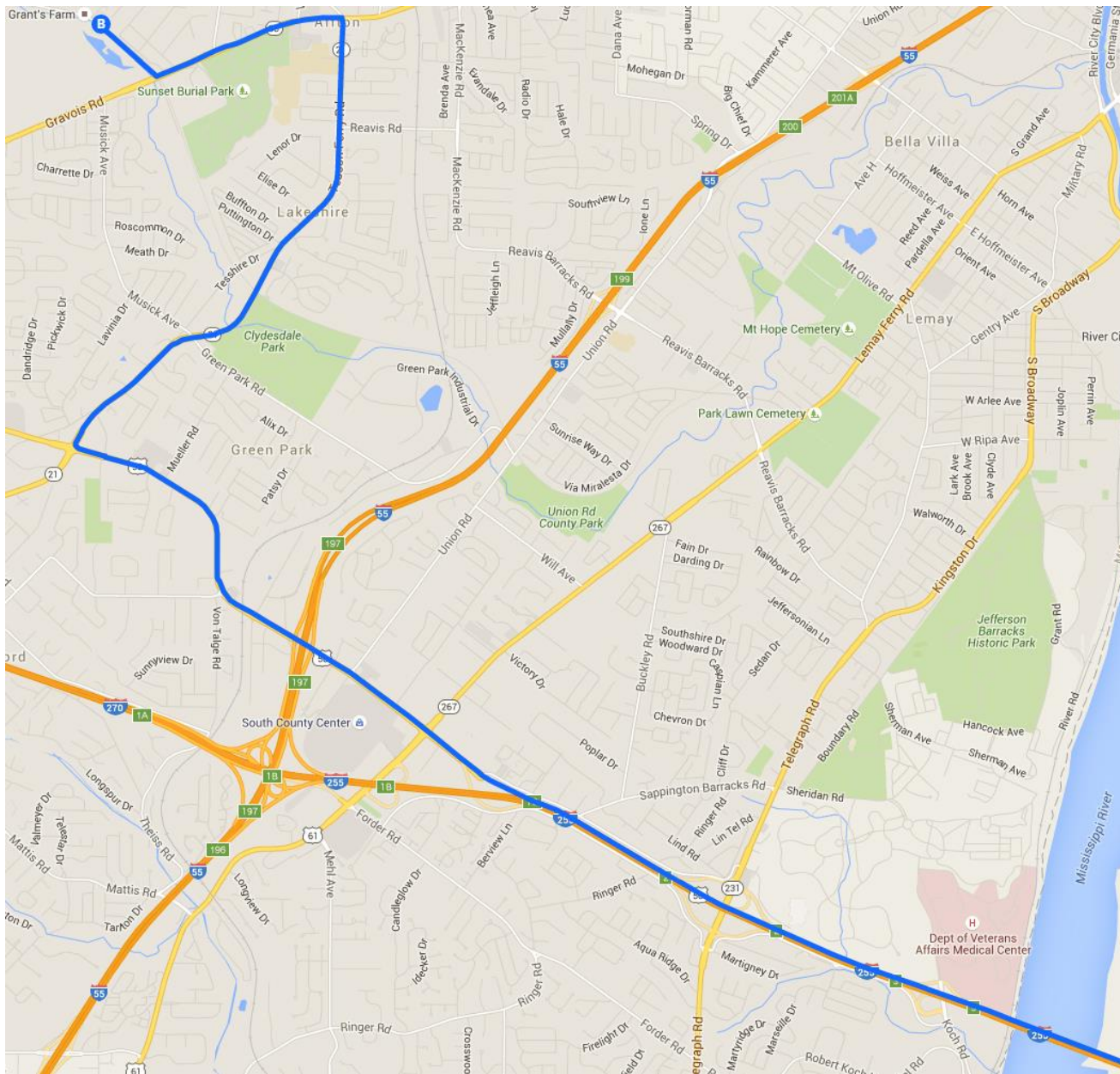
Steps C100 – C102



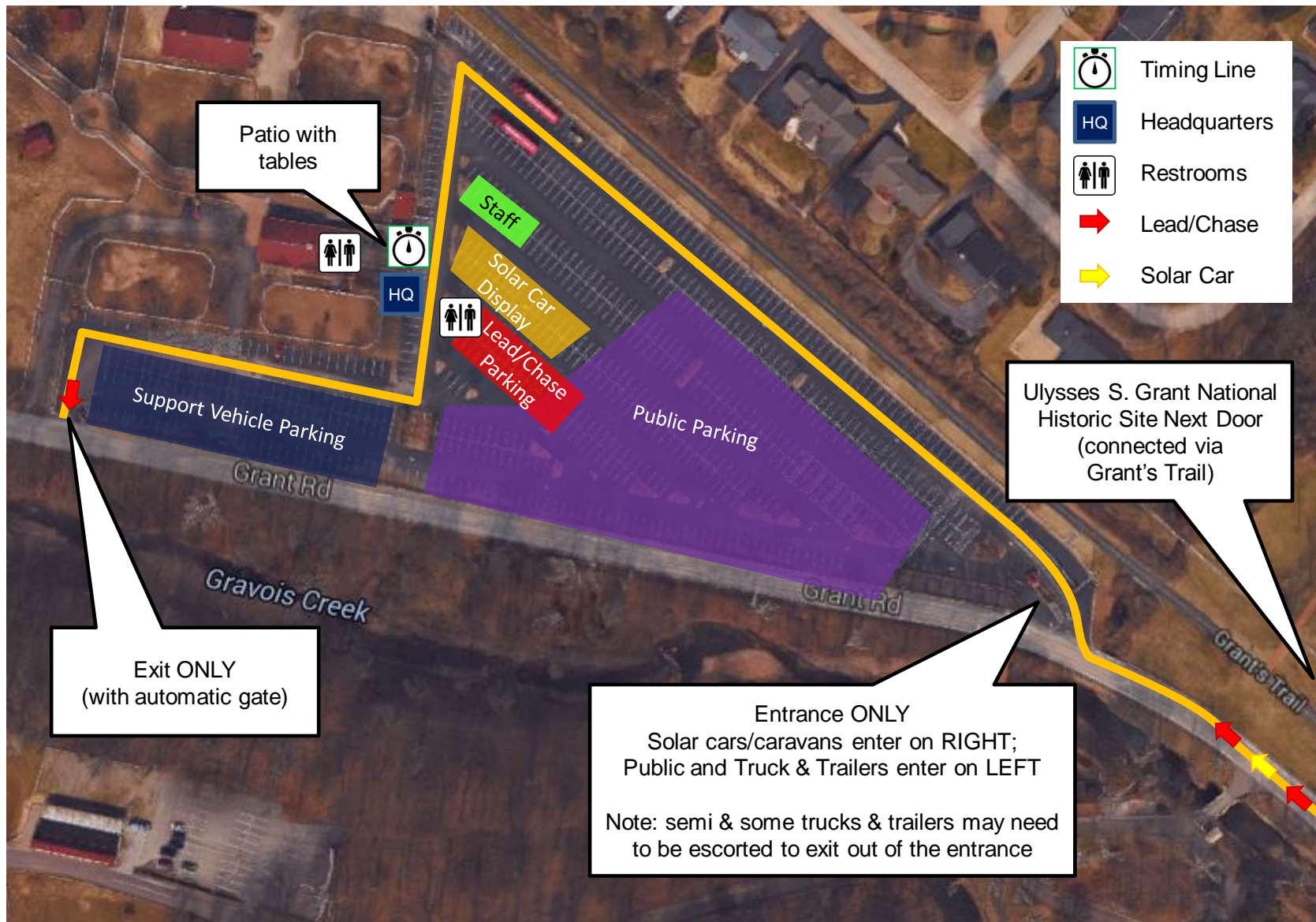
Steps C94 – C95



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 86	153.50	0.10		SL for Bellville Street	1	30		
C 87	153.80	0.30		RR Tracks, "rough crossing" signage				
C 88	154.00	0.20				45		
C 89	155.20	1.20				55	gravel	
C 90	157.40	2.20		SL at Junction IL-159.				
C 91	162.70	5.30		Flashing red all-way stop at Floraville Rd	1	55	gravel	
C 92	163.90	1.20		Flashing red all-way stop at Saxtown Rd/County Road P57				
C 93	165.60	1.70	Turn left at stop sign onto IL-158	Cross traffic does not stop!	1	55	narrow paved	
C 94	168.50	2.90	Exit right onto IL-3 North with signs for JB Bridge and East St. Louis					
C 95	168.90	0.40	Merge left onto the highway		2	55	wide paved	
C 96	169.30	0.40				45		
C 97	169.50	0.20		SL for Gall Rd/Main St	2	45	wide paved	
C 98	171.00	1.50		SL for Eagle Drive/Valmeyer Rd				
C 99	171.30	0.30		SL for Veterans Parkway				
C 100	171.80	0.50	Merge left for exit ahead	SL for Sand Bank Rd/N Main St	2	50		
C 101	172.70	0.90	Exit left with signs for I-255 South/US-50 West					
C 102	173.60	0.90	Merge right onto I-255		3	65 min 45	paved	



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
C 103	175.80	2.20		Cross the Mississippi River into Missouri	3	65 min 45		
C 104	177.60	1.80	Merge over to the right, two lanes, in preparation for exit		5	60	paved	
C 105	178.30	0.70	Exit right at Exit 1C for Lindberg Blvd/Lemay Ferry Rd	Stay in the left lane once on the exit				
C 106	178.70	0.40	Continue straight through the SL at the end of the exit					
C 107	178.80	0.10		SL for Home Depot on right (Note: only listing about half the SLs in St. Louis)	2	35	curb	Full services
C 108	179.00	0.20		SL for Lemay Ferry Rd				
C 109	179.90	0.90		SL for St. John Church Rd/Rusty Rd				
C 110	180.50	0.60		SL for Flori Dr	2	35	wide paved w/curb	
C 111	180.80	0.30		SL for Mueller Rd				
C 112	181.10	0.30	Turn right at the SL for Tesson Ferry Rd/MO-21		2	40	curb	
C 113	181.90	0.80		SL for Musick Ave/Green Park Rd				
C 114	183.40	1.50		SL for school to left				
C 115	183.60	0.20	Turn left at SL for Gravois Rd	Suggest turning left from the right-most left turn lane	2	40	curb	
C 116	183.80	0.20		SL for Valcour Ave				
C 117	184.20	0.40		SL for Laclede Station Rd				
C 118	184.50	0.30	Turn right at the SL for Grant Rd	Signs for Ulysses S. Grant National Historic Site	1	30	none	
C 119	184.90	0.40	Follow signage and volunteers to enter the checkpoint parking lot.					



Grant's Farm Checkpoint – St. Louis, MO – Checkpoint Detail

