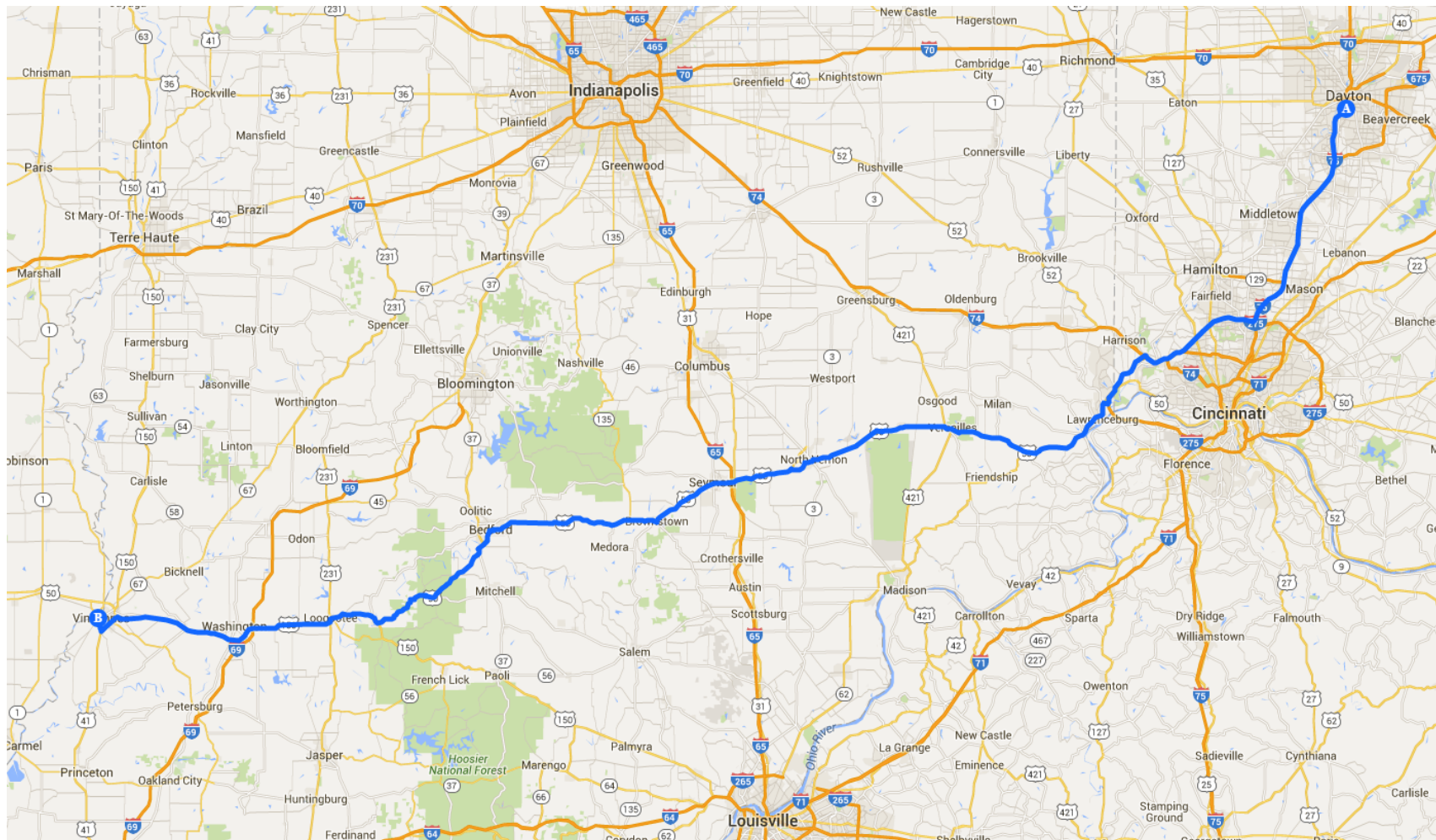


# **STAGE 1**

# **PART B**

**2016 AMERICAN SOLAR CHALLENGE**

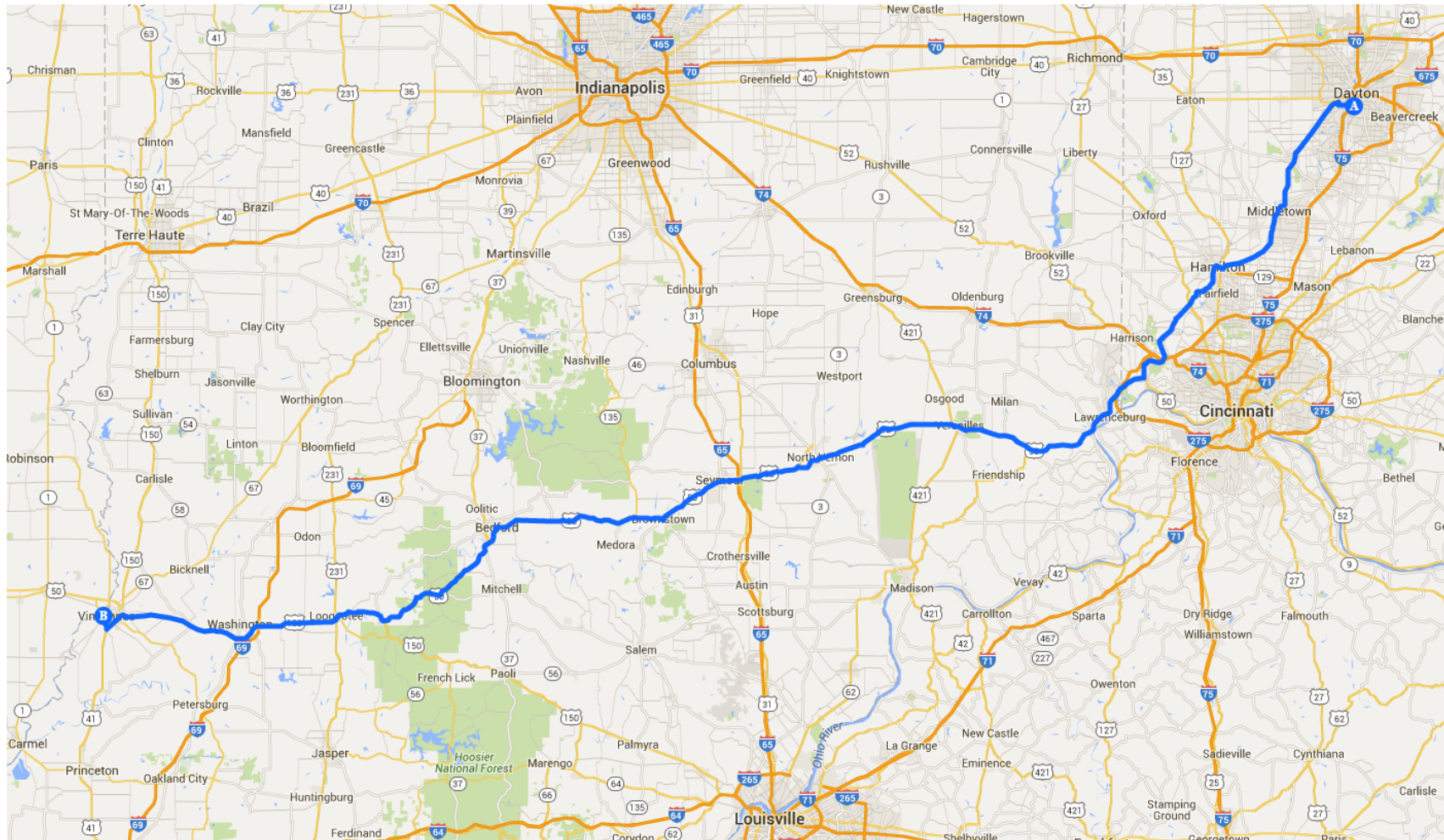
**Dayton, OH – Vincennes, IN**



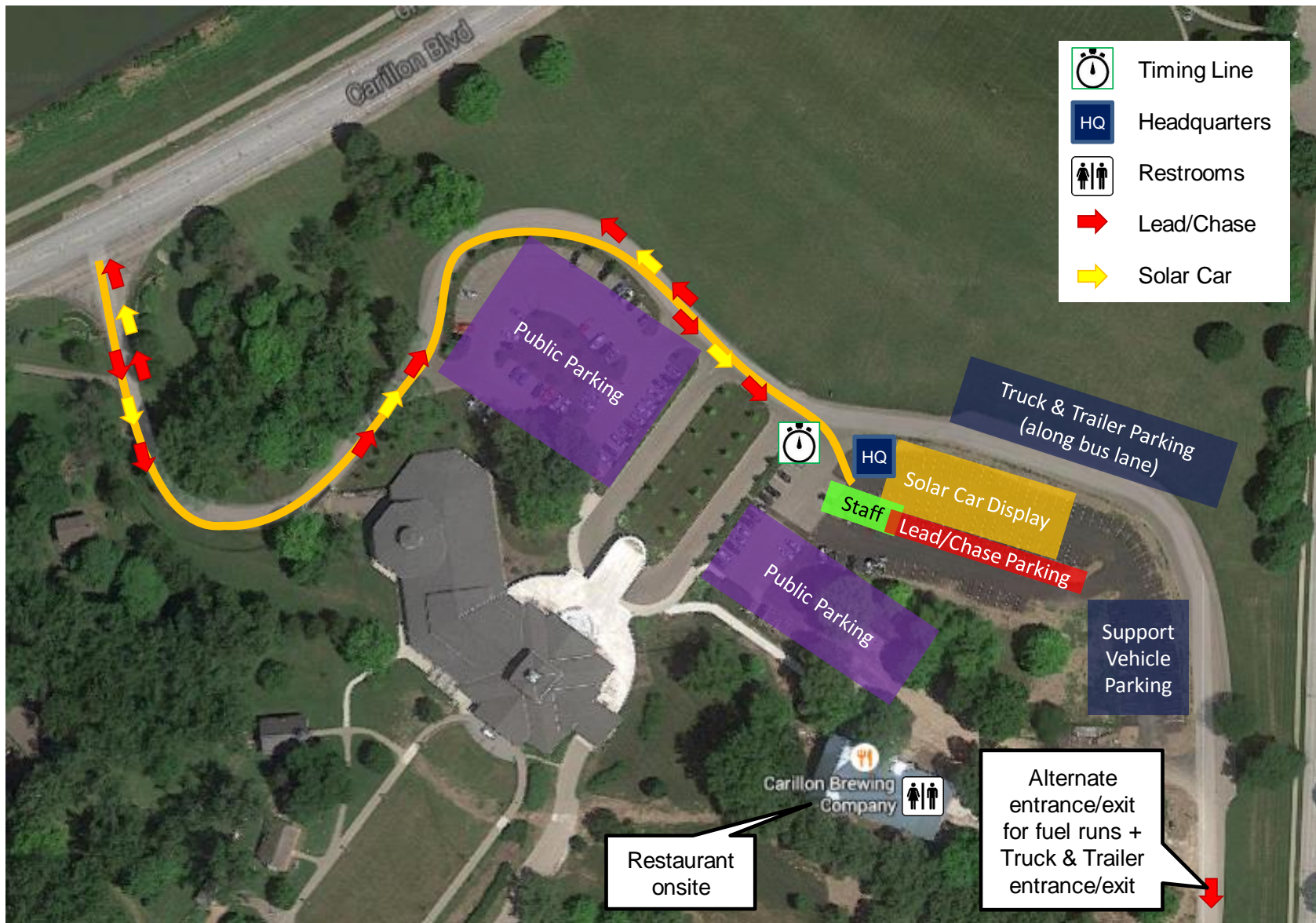
## SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

1.	Turn right out of the checkpoint onto Carillon Blvd	
2.	Turn left onto S Patterson Blvd	0.3 mi
3.	Turn left onto W Stewart St	0.6 mi
4.	Turn left onto S Edwin C Moses Blvd	0.2 mi
5.	Turn left after the underpass onto the I-75 S ramp toward Cincinnati	1 mi
6.	Take exit 16 to merge onto I-275 W toward I-74/Indianapolis	33 mi
7.	Keep right to continue on I-275 S	15.2 mi
8.	Keep right at the fork to stay on I-275 S, follow signs for Kentucky	3.1 mi
9.	Take exit 16 for US-50 toward Greendale/Lawrenceburg/Aurora	9.6 mi
10.	Turn left onto US-50 W/E Eads Pkwy - now on solar car route at step B87	0.8 mi
11.	Continue to follow solar car route for the rest of the stage. 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!	

## SOLAR CAR ROUTE OVERVIEW

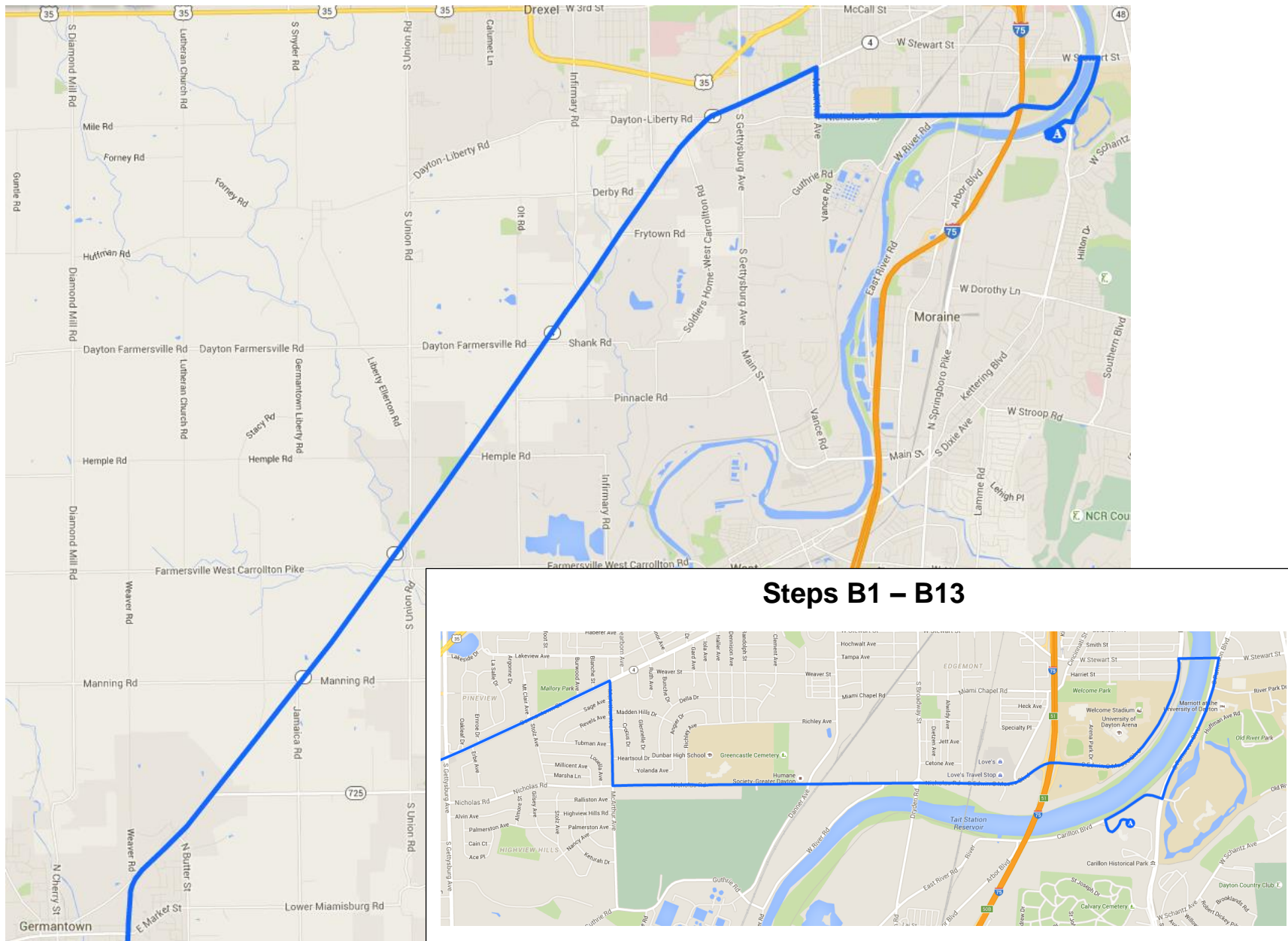






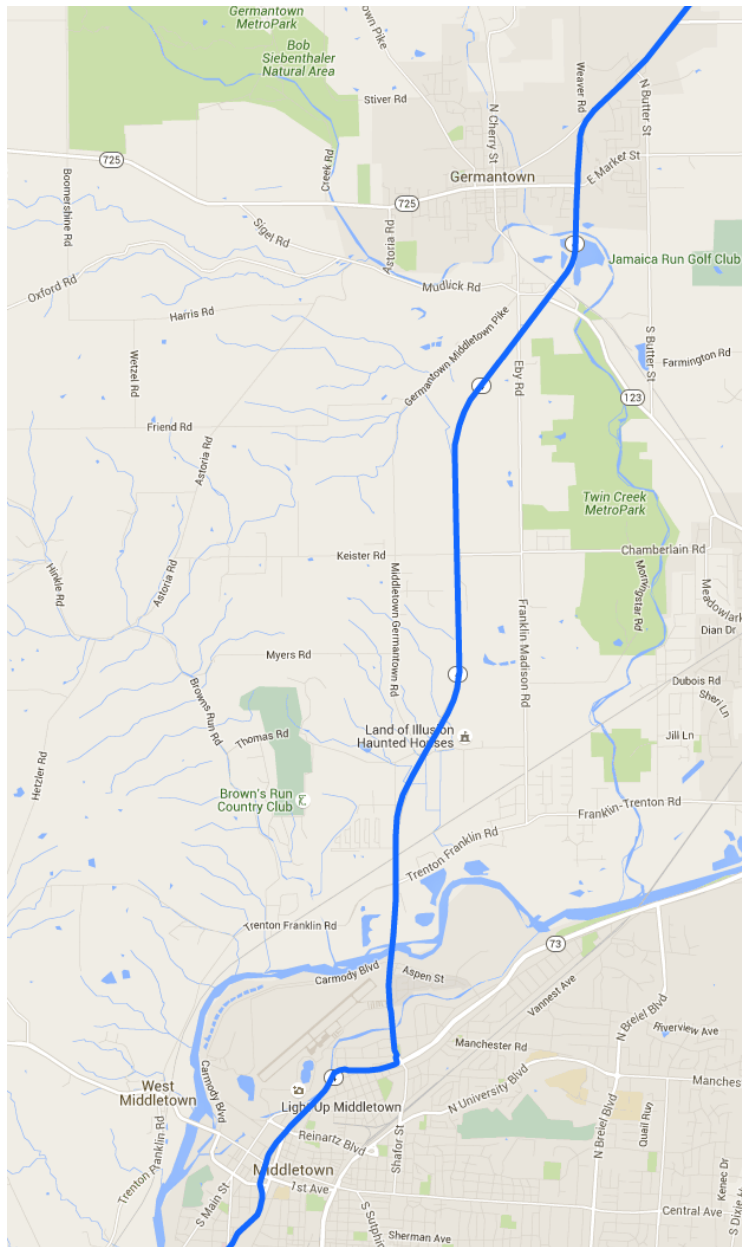
## Carillon Historical Park Checkpoint – Dayton, OH – Checkpoint Detail



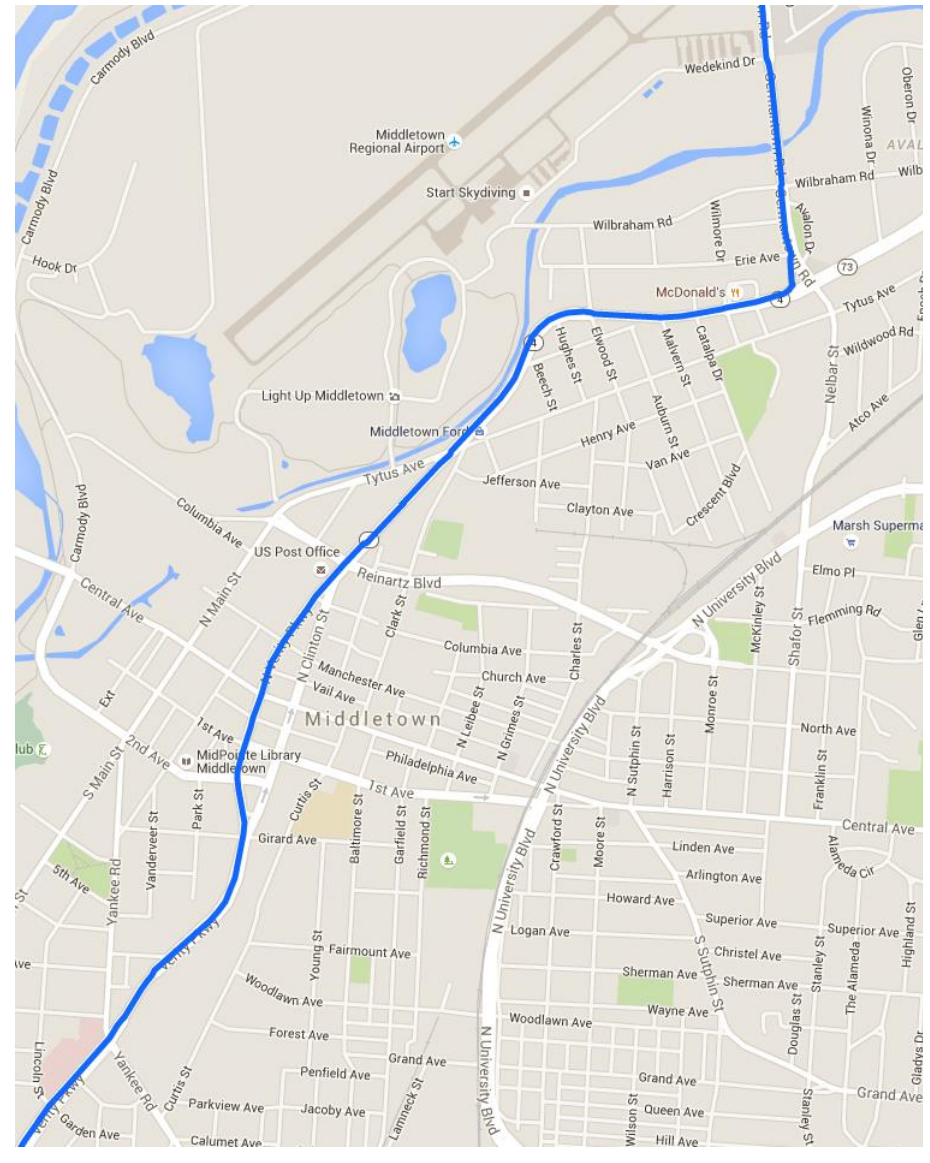


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 1	0.00		Turn right out of the checkpoint onto Carillon Blvd	Note: 2-way solar car traffic until after step B5	1	35		
B 2	0.30	0.30	Turn left at the SL onto S Patterson Blvd		2	40	curb	
B 3	0.80	0.50		SL for River Park Dr				
B 4	0.90	0.10	Turn left at the SL onto W Stewart St	Protected left, two left turn lanes.				
B 5	1.10	0.20	Turn left at the SL onto Edwin C Moses Blvd	Protected left, two left turn lanes.	2	40	curb	
B 6	1.90	0.80		SL for I-75 North				fuel, food
B 7	2.10	0.20	Merge left, right lane ends ahead	SL for Cincinnati St	1	35		
B 8	2.50	0.40		SL for S Broadway St.	2		curb	fuel
B 9	3.00	0.50		RR Tracks	1	35		
B 10	3.80	0.80	Turn right at SL for McArthur		1	35	curb	
B 11	4.30	0.50	Turn left at SL for Germantown St		2	35	curb	
B 12	4.70	0.40		SL for Mt. Clair.				
B 13	5.00	0.30		SL for Gettysburg Ave				fuel
B 14	5.40	0.40		SL for Dayton Liberty Rd	1	45		
B 15	7.00	1.60				55		
B 16	9.10	2.10		Entering Morrain		50		
B 17	10.40	1.30		SL for Farmersville Rd	1	55		



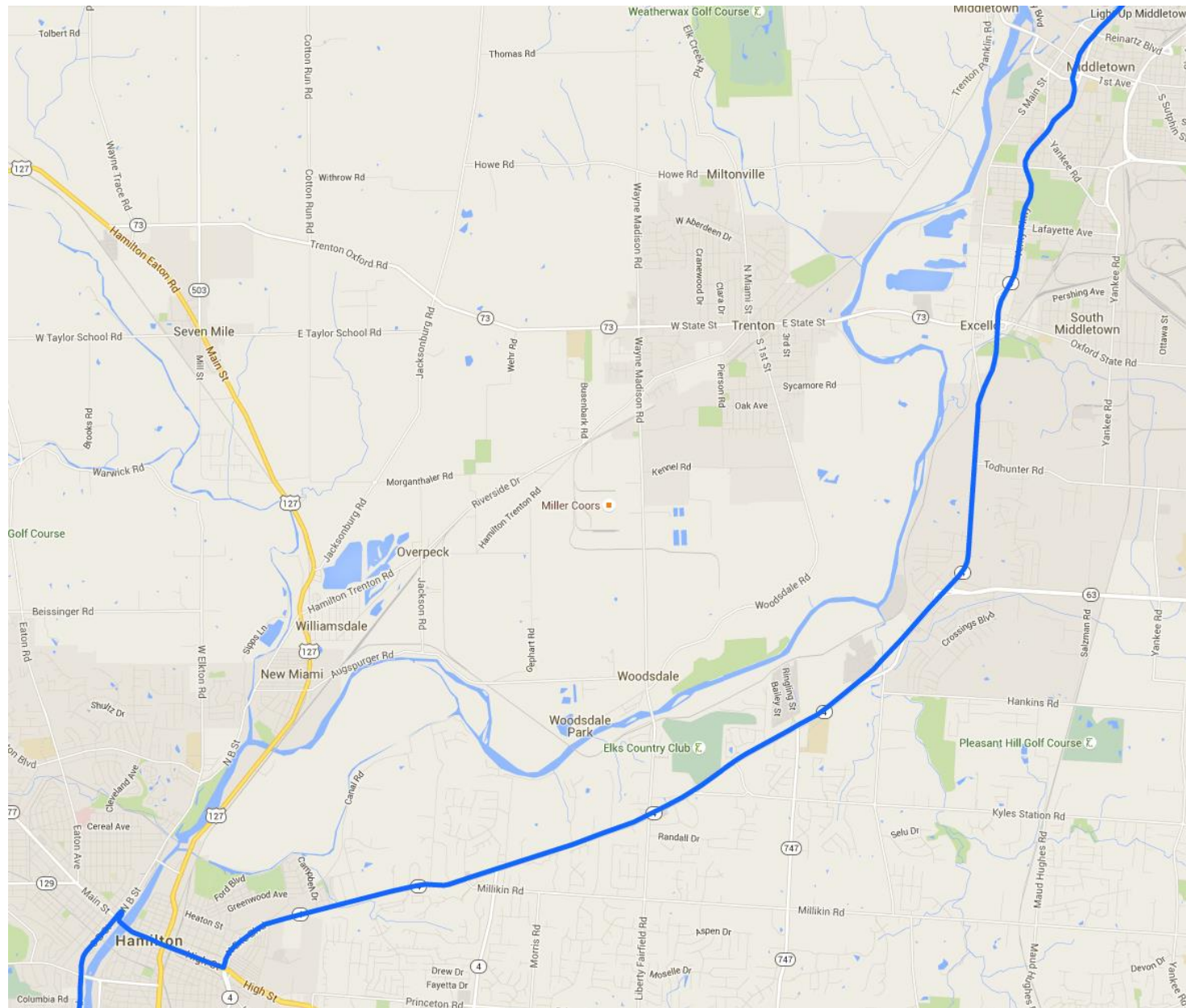


### Middletown: Steps B27 – B37





Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 18	12.75	2.35		Entering Germantown	1	50		
B 19	13.00	0.25		SL Junction OH-725				fuel
B 20	13.50	0.50		SL for Butter St				gas, food
B 21	14.00	0.50	Follow OH-4 and OH-725 left at the fork					
B 22	14.60	0.60		SL for Junction OH-725				
B 23	14.90	0.30				55		
B 24	19.90	5.00		Entering Poasttown		45		
B 25	20.40	0.50		SL for Trenton Franklin Rd	2	45		fuel
B 26	21.00	0.60		SL for Carmody Rd, entering Middletown	2	35	curb	
B 27	21.60	0.60		SL for Wilbraham Rd				
B 28	21.80	0.20	Exit right before SL following signs for OH-73	Dedicated right turn lane, Shell gas station on left	2			fuel, food
B 29	22.20	0.40		SL for Elwood				
B 30	22.60	0.40		SL for Tytus				
B 31	22.80	0.20		RR Tracks				
B 32	23.00	0.20		SL for OH-122/Reinartz Blvd	3	35		
B 33	23.10	0.10	Right lane becomes turn only ahead	SL for Manchester				
B 34	23.20	0.10	Middle two lanes are through-lanes - right and left are often turn only.	SL for Central	4			

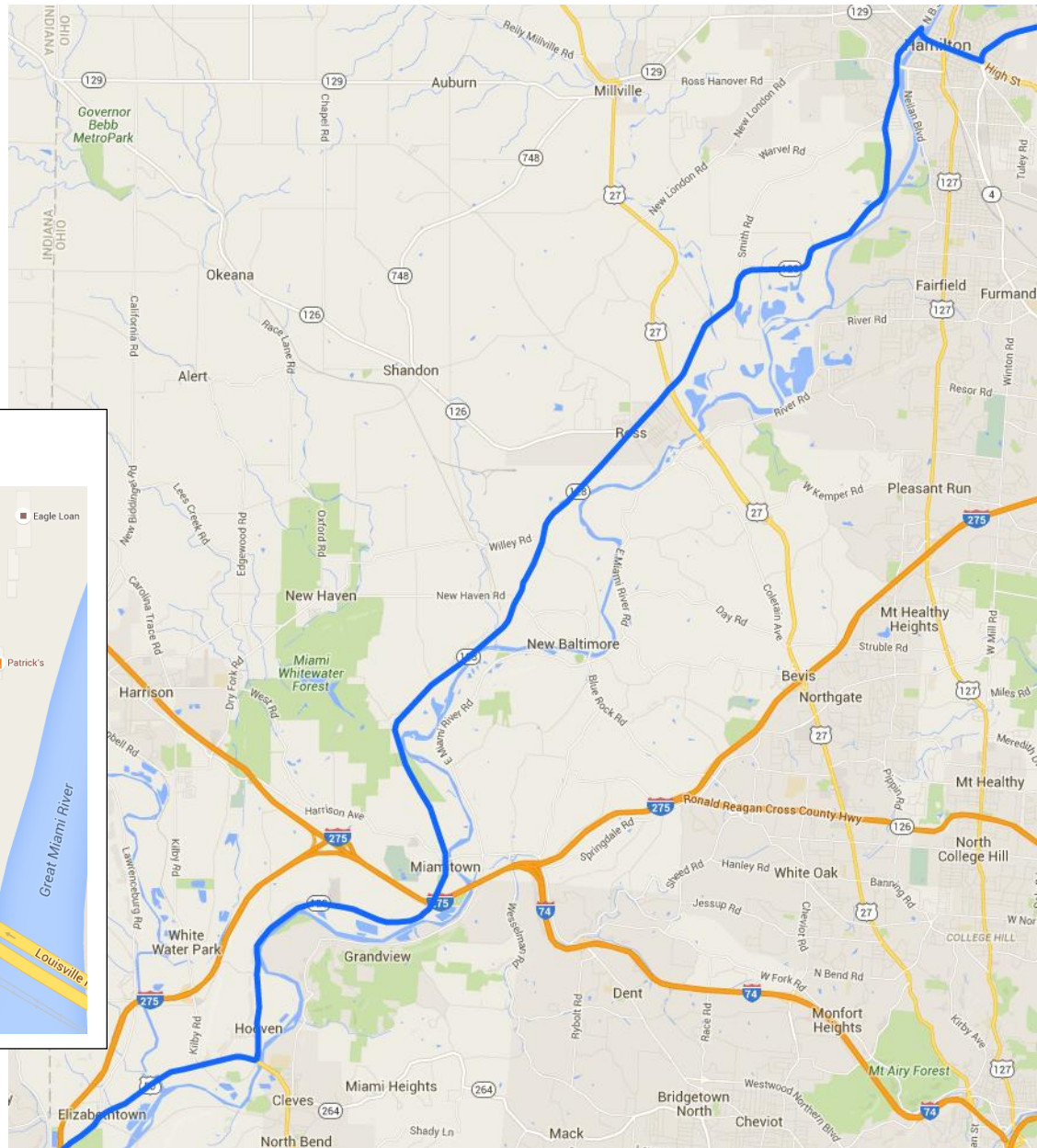
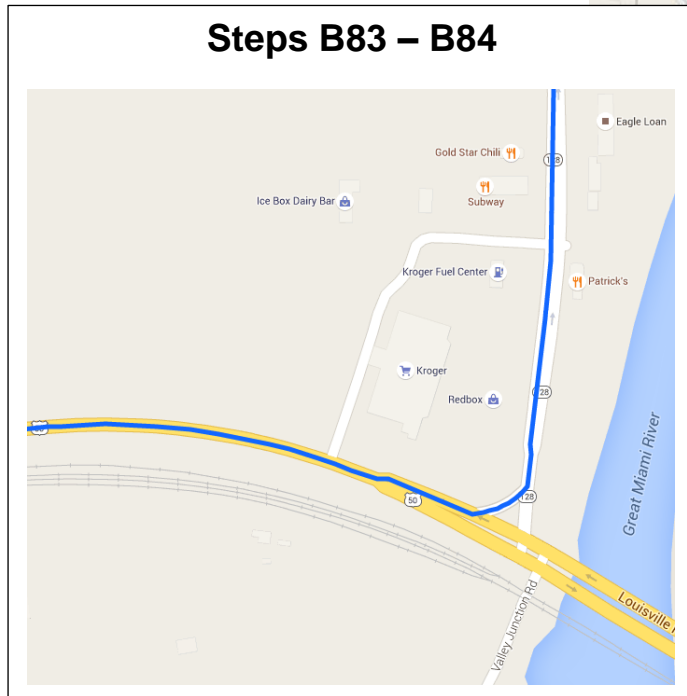


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 35	23.30	0.10		SL for First St	4	35		
B 36	23.50	0.20		SL for Girard	2		curb	
B 37	24.00	0.50		SL for Yankee Rd				
B 38	24.20	0.20		SL for Lincoln St				
B 39	24.40	0.20		SL for 14th Ave				
B 40	25.00	0.60		SL for Lafayette, large park/picnic area on right				
B 41	25.80	0.80			2	55	paved	
B 42	26.70	0.90		Entering Monroe		50		
B 43	28.50	1.80		Traffic merging from right				
B 44	28.90	0.40		SL, LeSourdsville Lake amusement park on right	2	55	paved	fuel
B 45	30.30	1.40		SL for OH-747				fuel
B 46	31.00	0.70		SL for Kyles Station Drive				
B 47	31.70	0.70		SL for Horse Shoe Bend Rd				food, gas, auto parts
B 48	31.90	0.20		SL for Liberty-Fairfield Rd		55		
B 49	33.50	1.60		SL for Indian Meadows Dr				
B 50	33.80	0.30		SL with Speedway gas station on right.				
B 51	35.10	1.30		Entering Hamilton		40		Full services in Hamilton





Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 52	35.70	0.60		SL for Fair Ave/OH-127 to right	2	35	curb	
B 53	36.20	0.50		SL for Dayton St				
B 54	36.40	0.20	Turn right at SL for High St, Junction OH-129 with signs toward US-127		2	35	curb	
B 55	36.60	0.20		SL for East Ave				
B 56	36.80	0.20		SL for Seventh St				
B 57	37.10	0.30		SL for Martin Luther King Jr Blvd	2	25		
B 58	37.20	0.10		SL for Third St				
B 59	37.25	0.05		SL for crosswalk				
B 60	37.30	0.05		SL for Second St				
B 61	37.30	0.00		SL for Riverfront Plaza				
B 62	37.40	0.10	Get into the middle of the 3 lanes on the bridge	SL for Monument Ave	3			
B 63	37.50	0.10	Exit right at the end of the bridge in the left of the two exit lanes					
B 64	37.60	0.10	Turn left at SL for Park Avenue					
B 65	37.70	0.10		SL for Main St				
B 66	37.80	0.10		SL for Ross Ave	1	35	curb	
B 67	38.00	0.20		Pass under Arch bridge				
B 68	38.40	0.40		SL for Columbia Bridge to left/New London Road to right	2	35	paved	

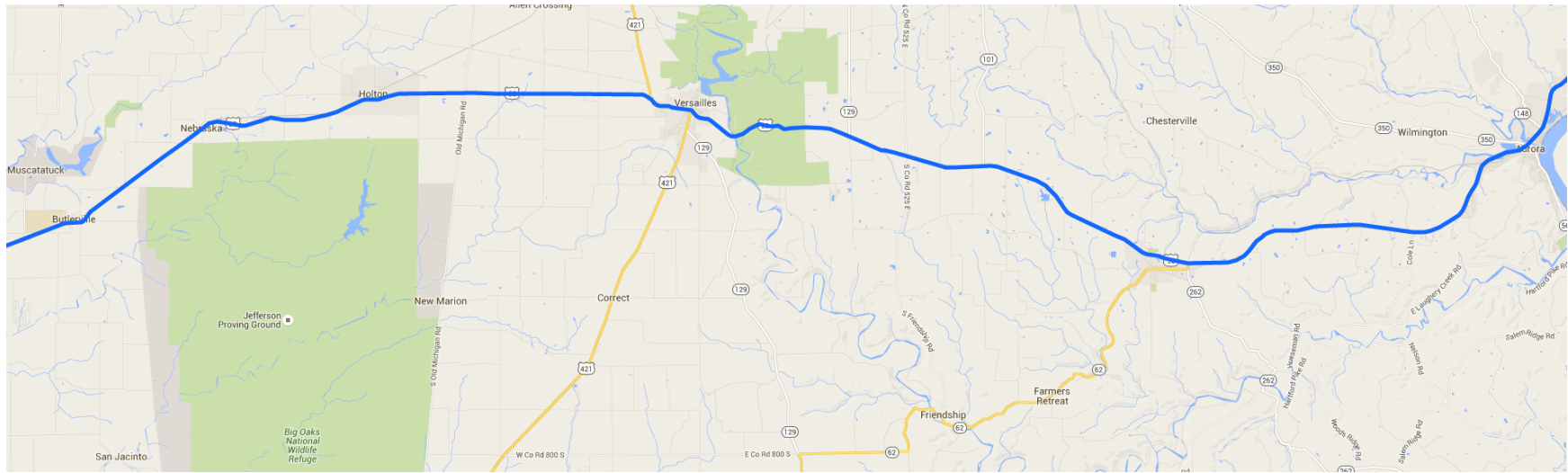


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 69	38.90	0.50			2	50		
B 70	39.50	0.60		Merge into one lane, continue on OH-128 South	1	55	paved	
B 71	44.90	5.40		Entering Ross		45		
B 72	45.10	0.20		SL for Rossgate Ct		35		
B 73	45.30	0.20		SL for Junction with US-27				
B 74	45.60	0.30		SL for School Rd				
B 75	46.30	0.70		SL for OH-126, antique mall on right				
B 76	46.50	0.20			1	55		
B 77	47.90	1.40		Roller coaster on left				
B 78	49.50	1.60		SL for New Haven Rd				
B 79	54.10	4.60		Entering Miamitown		35		
B 80	54.60	0.50		SL for Harrison	1	25		
B 81	55.10	0.50		SL for US-52 West /I-74 West/I-275 South		45		
B 82	55.40	0.30		SL for US-52 East/I-74 East/I-275 North			gravel/ grass	
B 83	60.20	4.80		SL with Kroger Fuel and Ice Box Dairy Bar on the right				
B 84	60.30	0.10	Turn right before SL to get onto US-50 West	Dedicated right turn lane	2	55	paved w/guardrail	
B 85	61.30	1.00		RR Tracks and SL for Kilby Rd				

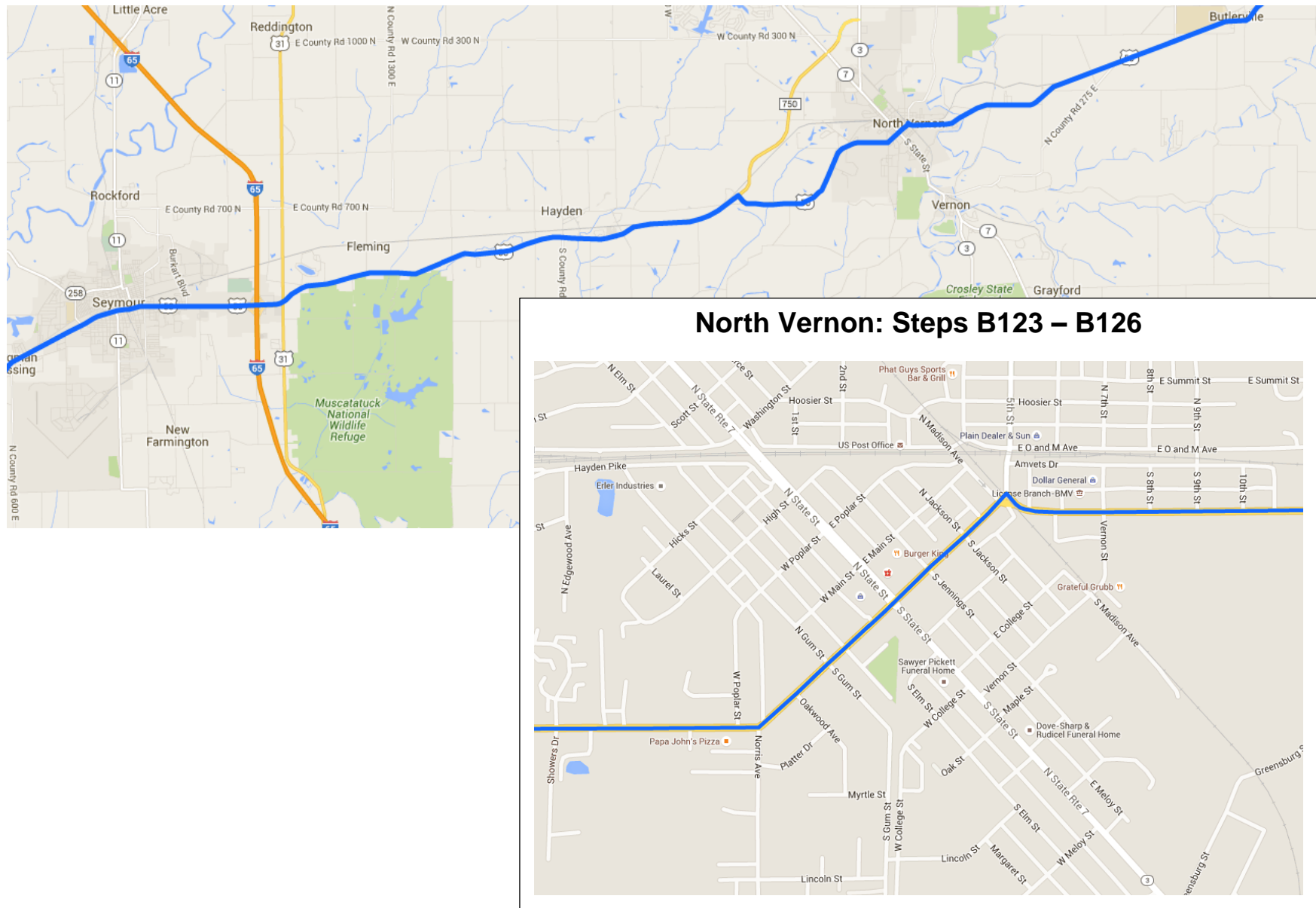




Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 86	62.90	1.60		Entering Elizabethtown	2	45		
B 87	63.10	0.20		SL for Lawrenceburg			curb	
B 88	63.30	0.20				55	narrow	
B 89	64.10	0.80		SL for State Line Rd, entering Indiana				
B 90	66.40	2.30		SL for access to I-275	3	45	curb	Fuel, pharmacy
B 91	67.10	0.70		SL for Lorey Ln				
B 92	67.70	0.60		SL for Rudolph Way				
B 93	67.80	0.10		SL for Speedway Dr	2	40		
B 94	68.20	0.40		SL for Arch St		30		
B 95	68.40	0.20		SL for Tiger Blvd/Walnut St				
B 96	68.70	0.30	Stay in the middle lane on bridge past the SL at Front St.	SL for Front St	3			
B 97	69.20	0.50		SL for Doughty Rd	2	45		fuel
B 98	69.50	0.30		SL for IN-48			paved	hospital
B 99	70.00	0.50		SL for Tanners's Creek Drive				
B 100	71.20	1.20		SL for River Creek Village shopping center				Fuel, pharmacy, food
B 101	71.80	0.60				35		
B 102	72.60	0.80	Continue to follow US-50 West	SL for IN-350 and IN-56	2	45	paved, wide	



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 103	74.10	1.50			2	60		
B 104	79.40	5.30		Round barn on right				
B 105	81.40	2.00		Flashing yellow for Station Hollow Road with signs for IN-262 and IN-62 to the left				
B 106	86.80	5.40		Highway shrinks to single lane each way	1	55	narrow/ grass	
B 107	89.90	3.10		Flashing yellow for IN-129				
B 108	92.50	2.60		Versailles State Park on left				
B 109	93.00	0.50		Gain passing lane next 3/4 mile	2			
B 110	93.40	0.40				45		
B 111	93.60	0.20		Entering Versailles		35		
B 112	93.80	0.20		SL for US-421	1			
B 113	94.10	0.30				40		
B 114	94.40	0.30		Flashing Yellow for Gaslight St.				
B 115	94.90	0.50		SL for US-421				
B 116	95.10	0.20				55		
B 117	98.90	3.80		Holton Water Corp tower on right				
B 118	108.50	9.60		Entering Butlerville		45		
B 119	109.00	0.50				55		

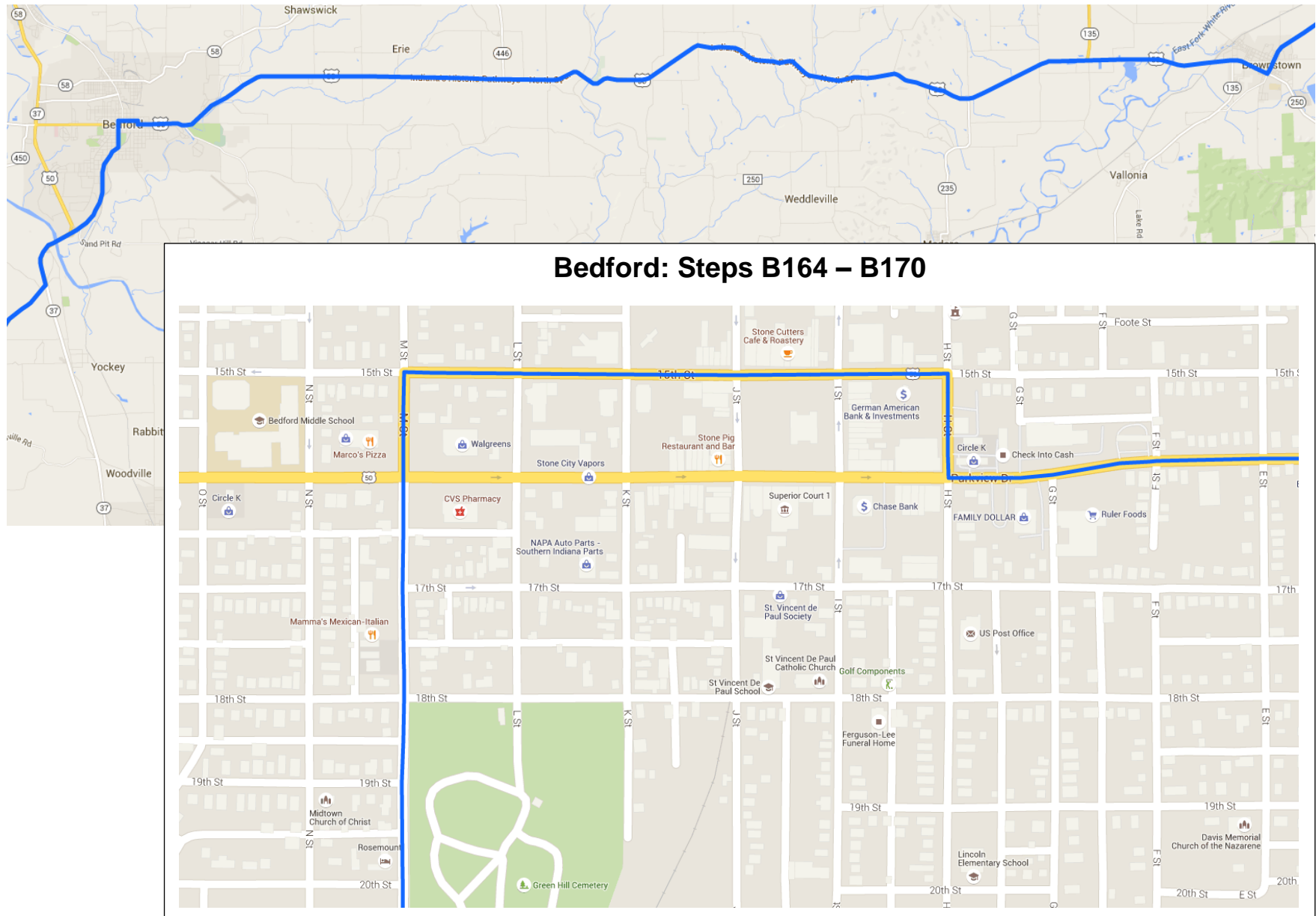




Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 120	110.00	1.00		Flashing yellow for Brush Creek Elementary School on left	1	55		
B 121	114.60	4.60		Entering North Vernon		40		
B 122	115.10	0.50			1	30	curb	
B 123	115.30	0.20	Turn left at SL to follow US-50	RR Tracks	1			
B 124	115.40	0.10		SL for Jackson St.				
B 125	115.60	0.20		SL for IN-3 and IN-7	1	30		fuel, pharmacy
B 126	115.90	0.30	Follow US-50 West right at the fork, SL for Norris Ave	Hall Heating ahead on the left	1	45	narrow	
B 127	116.80	0.90				55		
B 128	119.20	2.40	Turn left at the stop sign to follow US-50 West	cross traffic does not stop	1	55	narrow	
B 129	121.50	2.30		vast car scrapyards on right				
B 130	128.00	6.50		SL for US-31, entering Seymour	2			
B 131	128.20	0.20		SL for Stevens Way		45	curb	
B 132	128.40	0.20		I-65 Interchange				Full services
B 133	128.70	0.30		SL for Sandy Creek Drive				
B 134	129.10	0.40		SL for Myers Ln				
B 135	129.50	0.40		SL for Agrico Ln				
B 136	129.90	0.40		SL for Birkhart Blvd	2	35		



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 137	130.20	0.30		SL for Jackson Park Dr	2	35		auto parts
B 138	130.70	0.50		SL for Obrien St		30		
B 139	130.90	0.20		SL for Broadway with signage for IN-11 North				
B 140	131.10	0.20		RR Tracks - two sets				
B 141	131.20	0.10		SL for S Chesnut St				
B 142	131.25	0.05		SL for Walnut St with signage for IN-11 S				
B 143	131.40	0.15		SL for Pine St	2	35	curb	Fuel
B 144	131.90	0.50		SL for Community Dr		45		
B 145	132.30	0.40		SL for Airport Rd	2	55	narrow paved	
B 146	132.90	0.60	Right lane ends 1/4 miles ahead, merge left					
B 147	133.40	0.50		Flashing yellow for Tipton St/County Road 600 with railroad crossing to right	1	55	wide paved	
B 148	137.20	3.80		2-lane passing zone, continues for 1/2 mile. Narrow shoulder in the passing zone.		55		
B 149	140.70	3.50				45		
B 150	140.90	0.20		Entering Brownstown	1	35	curb	auto parts
B 151	141.30	0.40		SL for Walnut St		30		
B 152	141.50	0.20	Turn right at the SL to follow US-50 West	Junction IN-250, CVS on left and Shell on right	1	35		Fuel, pharmacy
B 153	141.80	0.30				35	narrow	

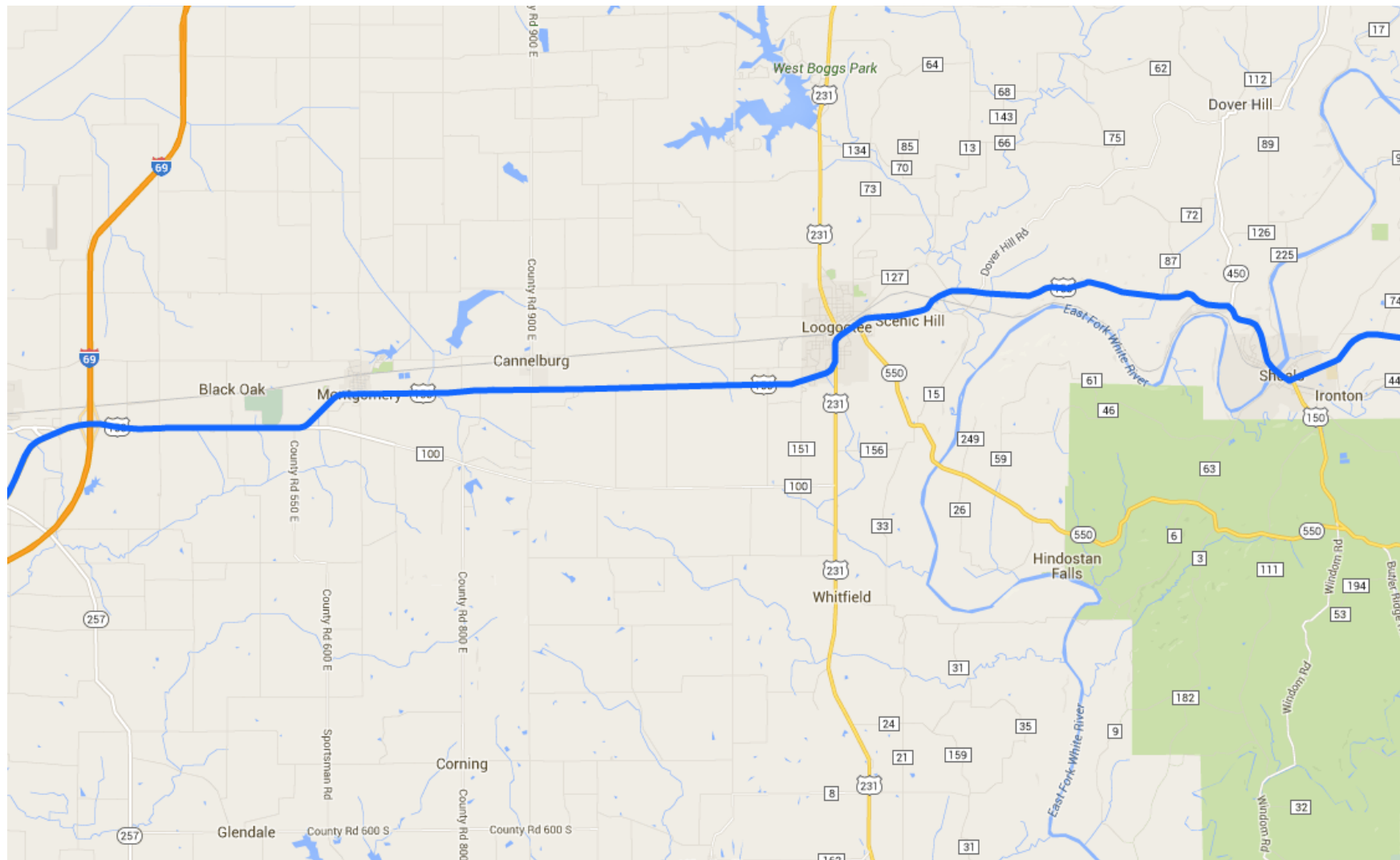




Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 154	142.30	0.50		Flashing Yellow for IN-135	1	45		
B 155	142.60	0.30				55		
B 156	148.10	5.50		Junction IN-235 towards Medora				
B 157	154.30	6.20		Shady Springs Campground on left				
B 158	158.60	4.30		Flashing yellow for IN-446 West, Free Spirit Campground to right				Fuel
B 159	161.50	2.90		Flashing yellow for Maple Leaf Rd				
B 160	163.60	2.10				50		
B 161	164.10	0.50		Flashing Yellow for Stars Blvd				
B 162	164.90	0.80			1	45	wide	
B 163	165.60	0.70		SL, entering Bedford	1	35	curb	Full services in Bedford
B 164	166.70	1.10	Turn right at SL to follow US-50 West	Prepare to turn left at the next intersection		25		
B 165	166.75	0.05	Turn left to follow US-50 West		2	25	curb	
B 166	166.80	0.05		SL for I St				
B 167	166.90	0.10		SL for J St, RR tracks				
B 168	167.00	0.10		SL for K St				
B 169	167.10	0.10		SL for L St				
B 170	167.20	0.10	Turn left at flashing yellow for M St to follow US-50 West					Pharmacy

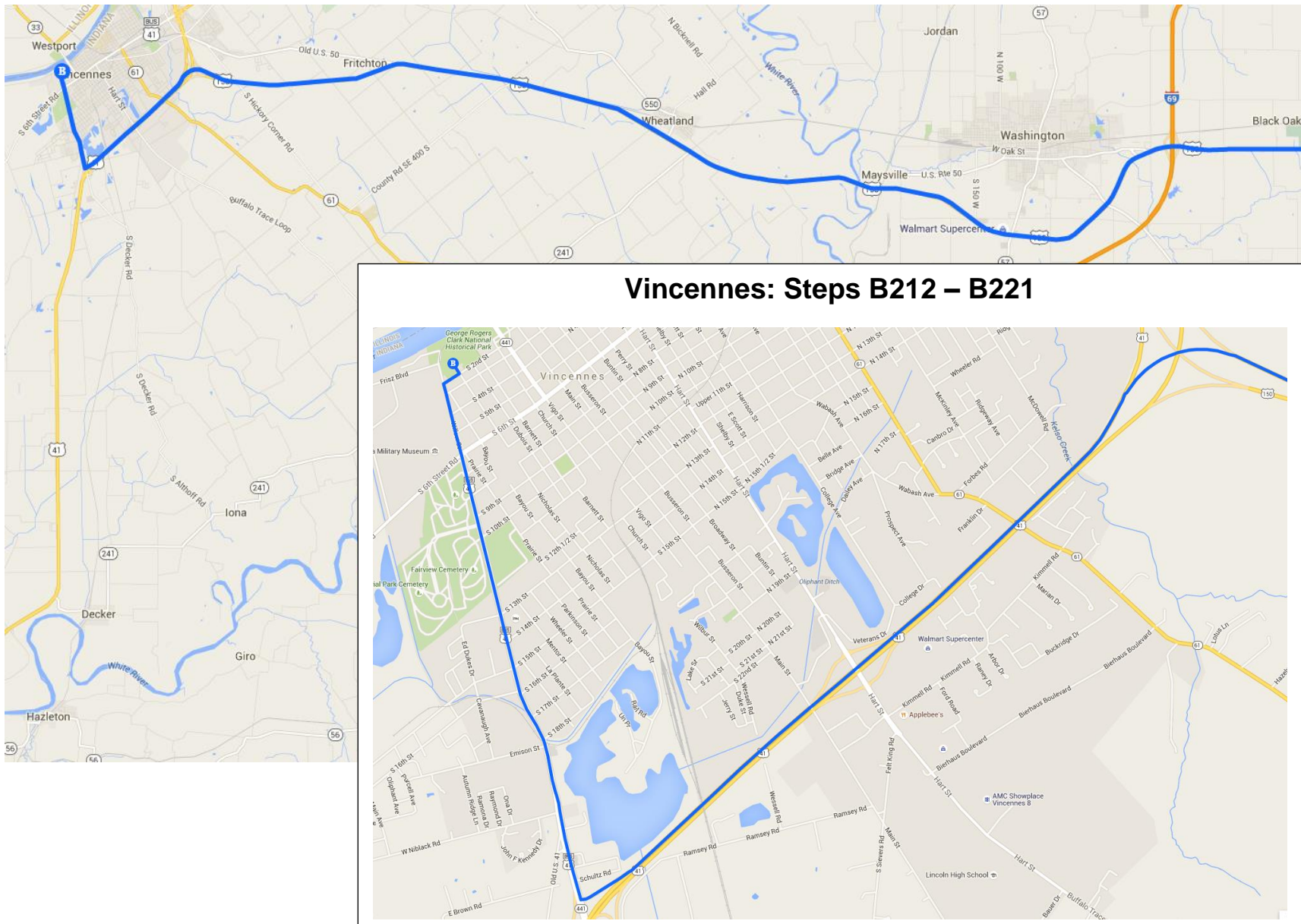


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 171	167.30	0.10	Continue straight at SL for 16th; follow signs for truck route/US-50 Business	Do NOT turn right to follow signs for US-50 West	2	35	curb	
B 172	167.40	0.10		SL for 18th St	2	35		
B 173	167.90	0.50		Hospital to right				
B 174	168.10	0.20				45		fuel
B 175	168.90	0.80				50	narrow gravel	
B 176	169.60	0.70	Continue straight onto US-50 West at junction with IN-37	Merge left, right lane ends ahead		55	paved	
B 177	171.40	1.80	Exit right at SL to follow US-50 West towards Shoals and Vincennes		1	55	narrow	fuel
B 178	176.80	5.40		Two-lane passing zone for 1.2 miles. Lots of tree cover next 15 miles				
B 179	179.40	2.60		Gravel pullout on right				
B 180	181.20	1.80		Junction IN-60		50		
B 181	187.40	6.20		Martin State Forest on right	1	50	narrow	
B 182	191.40	4.00	Follow US-50 to the right at the junction with US-150	Entering Shoals		35		fuel, auto parts
B 183	191.70	0.30		Flashing yellow for Main St.				
B 184	192.00	0.30			1	40		
B 185	192.20	0.20		2-lane passing zone, continues for 1 mile	2			
B 186	192.50	0.30				45		
B 187	193.20	0.70	Merge left, right lane ends		1	55		





Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 188	195.60	2.40		Two-lane passing zone, continues for 1/2 mile	1	50		
B 189	197.80	2.20		Two lane passing zone, continues for 1/4 mile				
B 190	198.70	0.90		Entering Loogootee		45		
B 191	199.00	0.30		Flashing Yellow for IN-550	2	35	curb	
B 192	199.30	0.30	Must be in right lane, left lane turns ahead	SL Junction US-231				
B 193	199.50	0.20		SL for Pine St.				Fuel, food, pharmacy
B 194	199.80	0.30	Proceed straight in the right lane, following US-50 West	SL for US-231 - left lane is turn only	1	45	narrow	
B 195	200.40	0.60				50		
B 196	200.80	0.40			1	55	narrow	
B 197	203.80	3.00				50		
B 198	204.40	0.60		Flashing yellow for 900 E				
B 199	206.40	2.00		Entering Montgomery		40		Fuel
B 200	207.00	0.60		Flashing yellow for Third St				
B 201	207.80	0.80			1	50	narrow	
B 202	210.80	3.00			2	55	paved	
B 203	211.10	0.30		SL for I-69 North				
B 204	211.30	0.20		SL for I-69 North				



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
B 205	211.90	0.60		SL for Gateway Dr	2	55		Hospital to right
B 206	213.10	1.20		SL for IN-257				
B 207	215.30	2.20		SL for IN-57				Fuel
B 208	215.60	0.30			2	60	wide paved	
B 209	221.70	6.10				55		
B 210	222.20	0.50		SL for IN-241				
B 211	222.90	0.70				60		
B 212	232.50	9.60	Follow left exit for US-41 South towards Evansville	Both highway lanes can exit left.	2	60	wide paved	
B 213	234.10	1.60		Hart St Exit				
B 214	235.40	1.30	Exit right at exit for IN-441 North/Willow St/Docker Rd					
B 215	235.80	0.40	Turn right at the stop sign bottom of the exit	Signs towards IN-441 North and Willow St.	2	40	paved	fuel
B 216	236.40	0.60		Sign for RR tracks (but paved over)		35	curb	
B 217	236.70	0.30	Merge left, right lane ends 1/4 mile after the light for 15th	SL for 15th St				
B 218	237.10	0.40		Memorial Park Cemetery, both sides of road.				
B 219	237.50	0.40	Continue straight at the all-way stop for 6th St	Gulf gas station on right	1		curb	
B 220	237.80	0.30	Turn right at 2nd street	<b>No stop sign/SL. Snider Auctions on far right corner</b>				
B 221	237.90	0.10	Turn left into the parking lot of George Rodgers Clark National Historical Park					





George Rogers Clark NHP Stage Point – Vincennes, IN – Stage Finish







## George Rogers Clark NHP Stage Point – Vincennes, IN – Stage Finish



