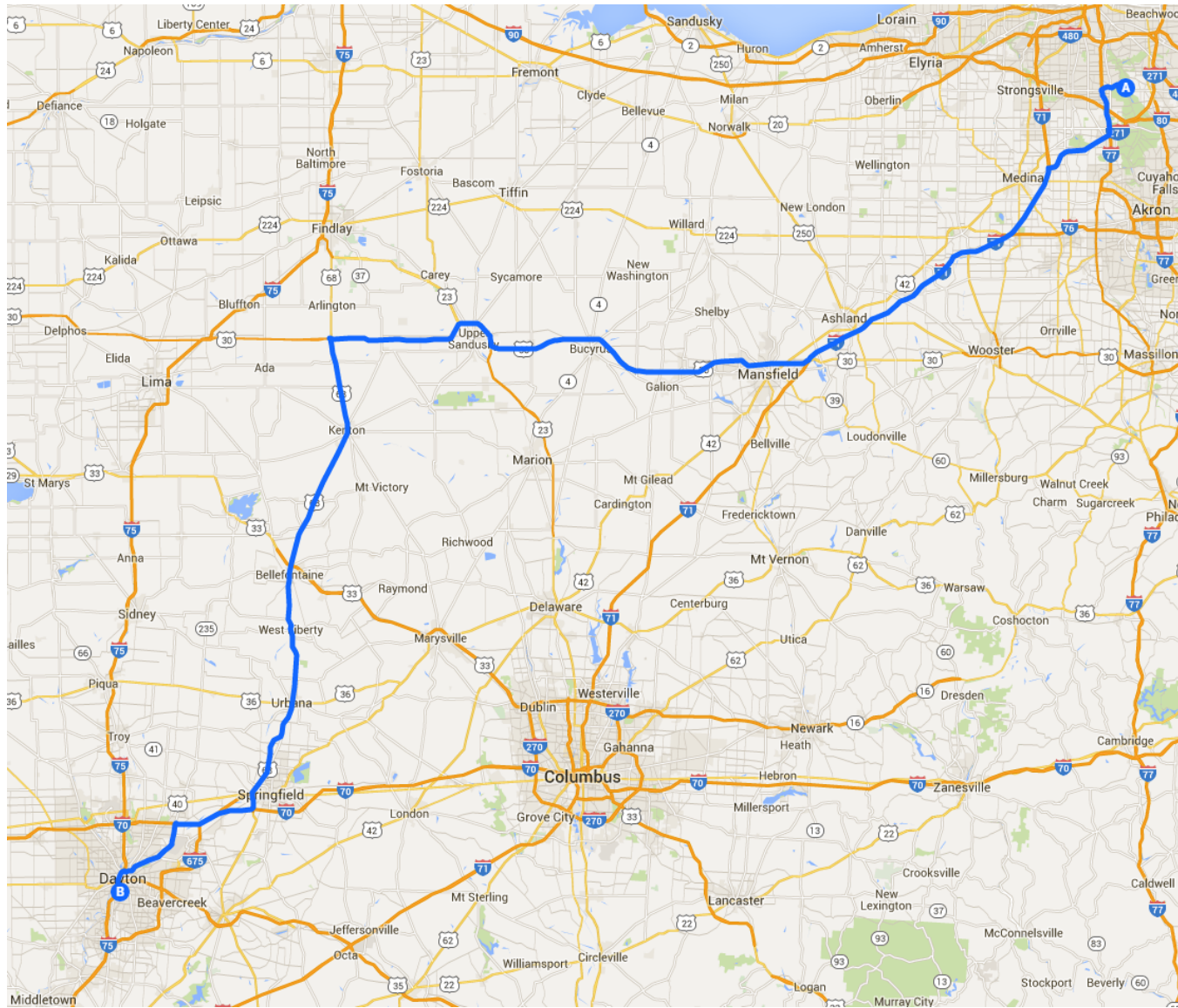


# **STAGE 1**

# **PART A**

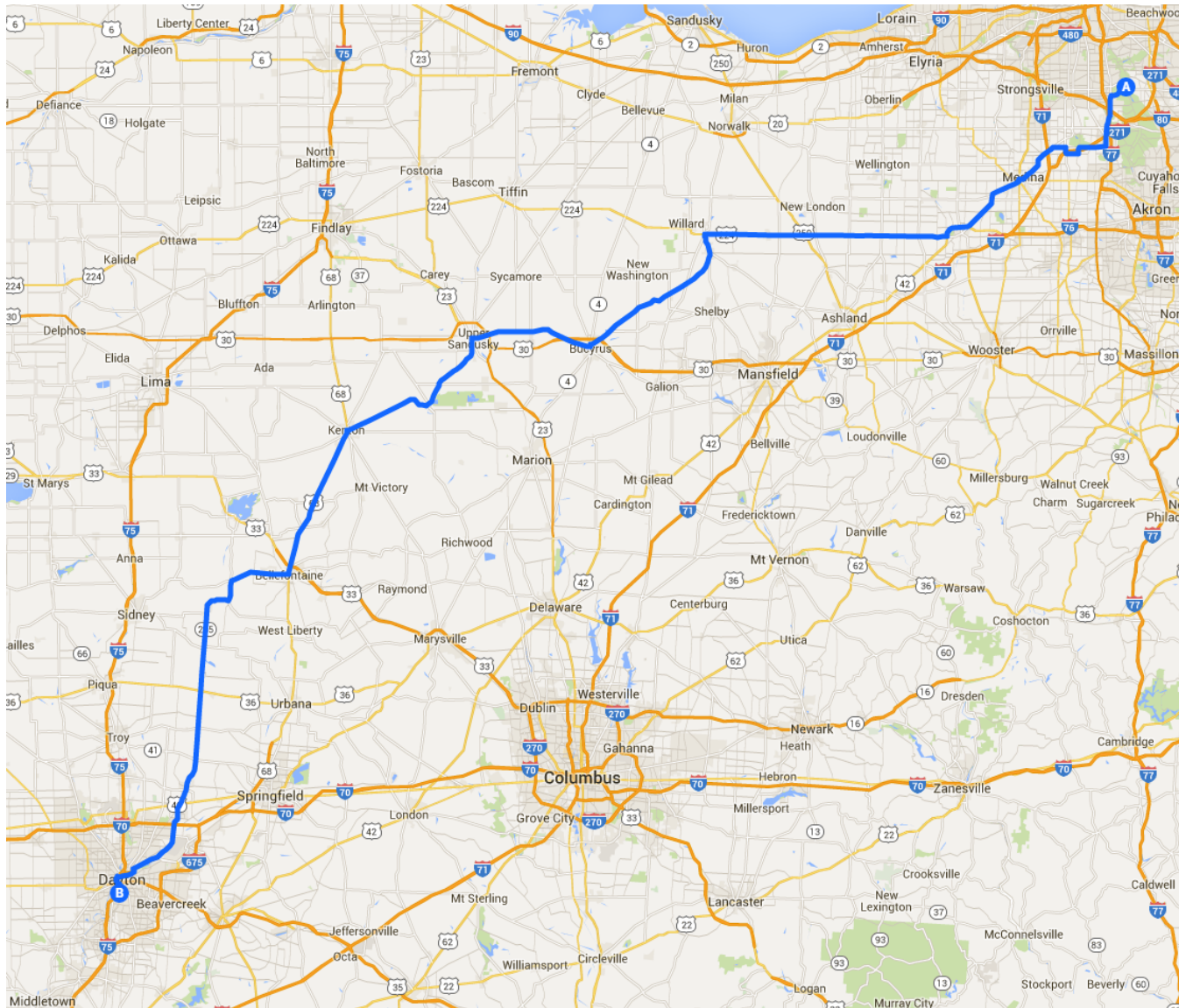
**2016 AMERICAN SOLAR CHALLENGE**

**Brecksville, OH – Dayton, OH**

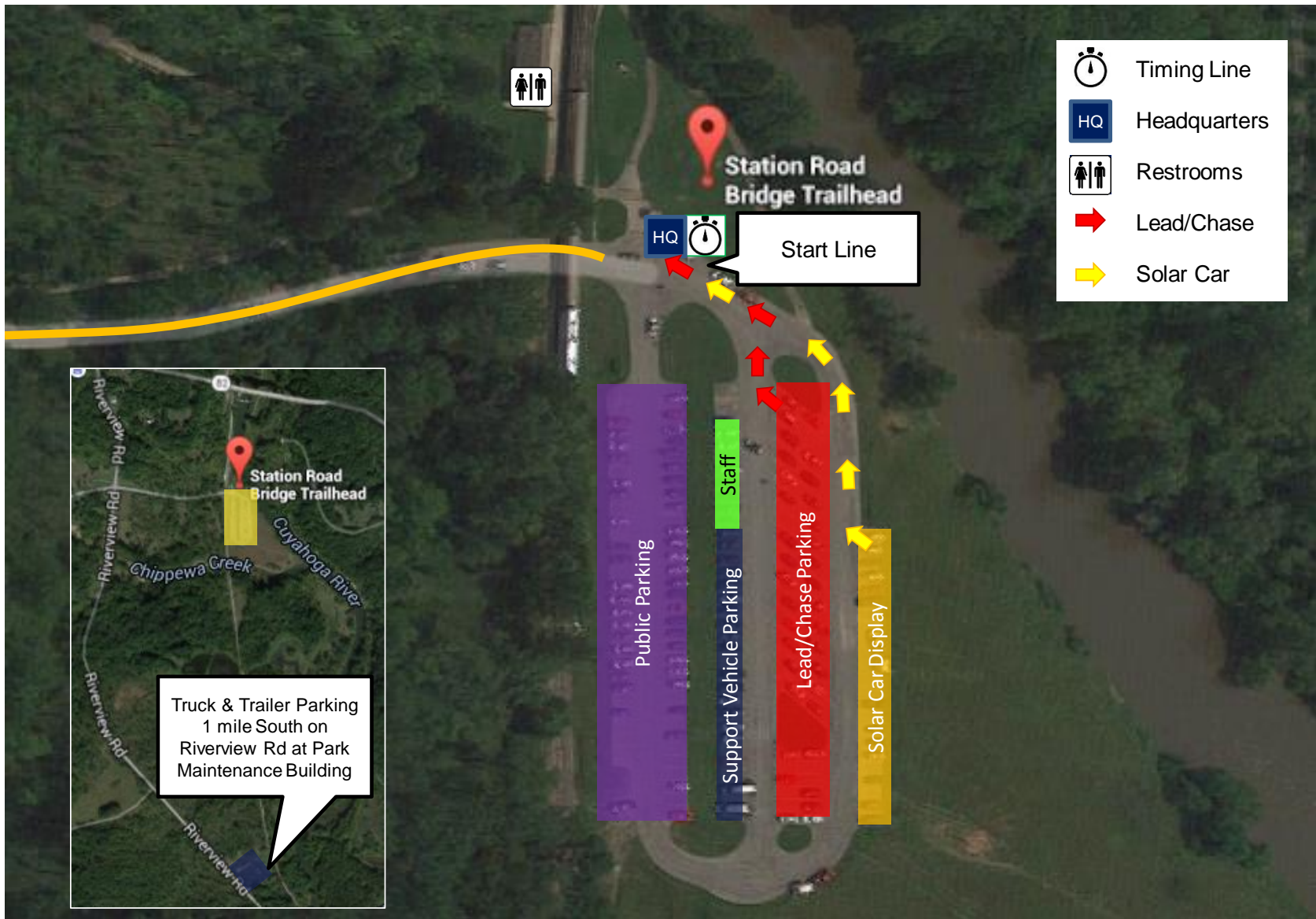


## SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

1.	Go straight on Valley Parkway out of the start line area	
2.	Turn right onto Riverview Rd	0.2 mi
3.	Turn left onto Chippewa Rd	0.2 mi
4.	Turn left to merge onto I-77 S toward Akron	3.3 mi
5.	Take exit 144 to merge onto I-271 S toward Columbus	5.9 mi
6.	Continue onto Exit 1 (signs for I S/Columbus)	10.1 mi
7.	Merge onto I-71 S	0.6 mi
8.	Take exit 176 to merge onto US-30 W toward Mansfield	43.1 mi
9.	Keep left to stay on US-30 W	52.1 mi
10.	Take the exit toward US-68 S	19.2 mi
11.	Turn right onto US-68 S Note: In approximately 13 miles, you will join up with the solar car route at Step A133. You will follow the solar car route for approximately 22 miles, until Step A153. US-68 is a 2-lane highway, so watch out for solar car caravans and double check that your CB is working. We will penalize teams if their support vehicles are blocking other teams!	0.5 mi
12.	At the traffic circle, continue straight onto US-68 S/S Main St. Continue to follow US-68 S	52.1 mi
13.	Take the exit onto I-70 W toward Indianapolis	16.2 mi
14.	Take exit 41 for OH-235 S/OH-4 toward Dayton Note: This is also part of the solar car route for the next ~9 miles, see Step A186	11.0 mi
15.	Take the Interstate 75 S exit on the left toward OH-4 S/Cincinnati	11.0 mi
16.	Merge onto I-75 S	0.6 mi
17.	Take exit 50B for OH-741 S/Springboro Rd	3.5 mi
18.	Turn right onto Springboro Rd/N Springboro Pike	0.3 mi
19.	Slight right onto Arbor Blvd	0.2 mi
20.	Turn right onto Carillon Blvd	0.5 mi
21.	Turn right into the Carillon Historical Park	0.2 mi

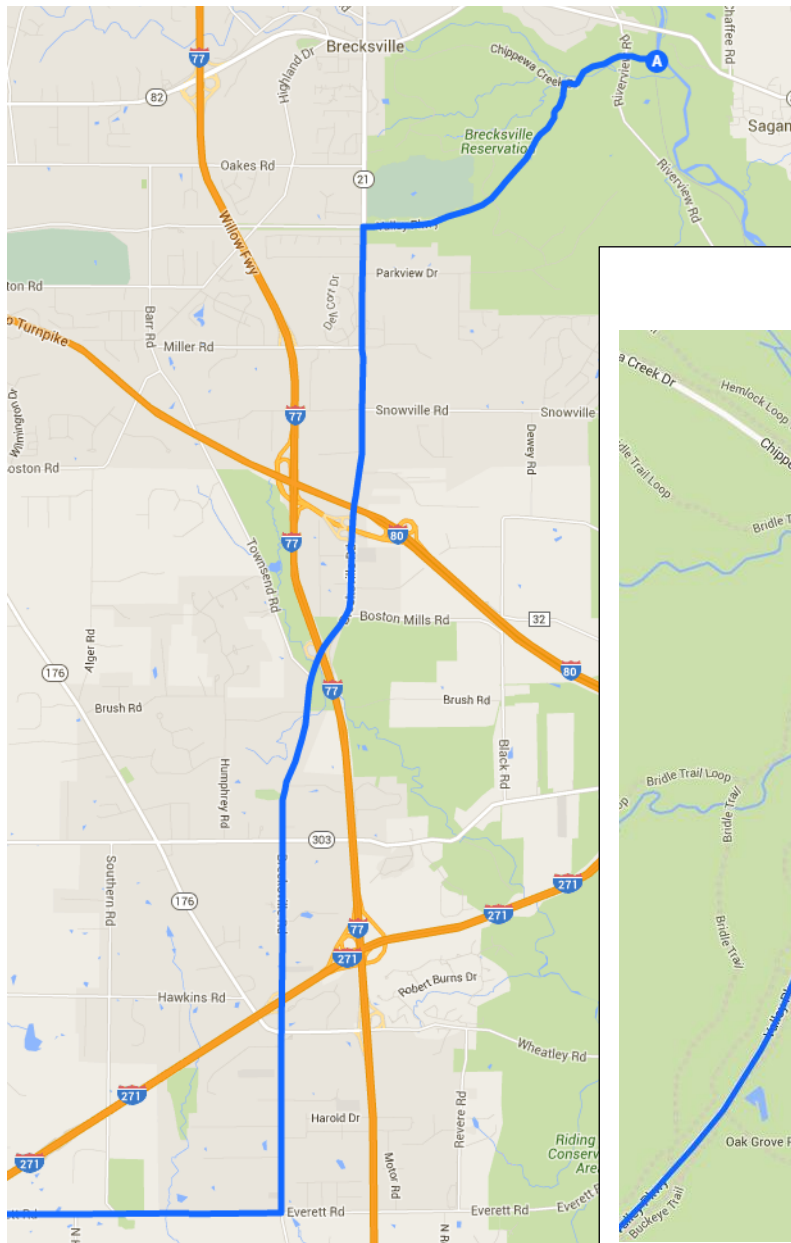




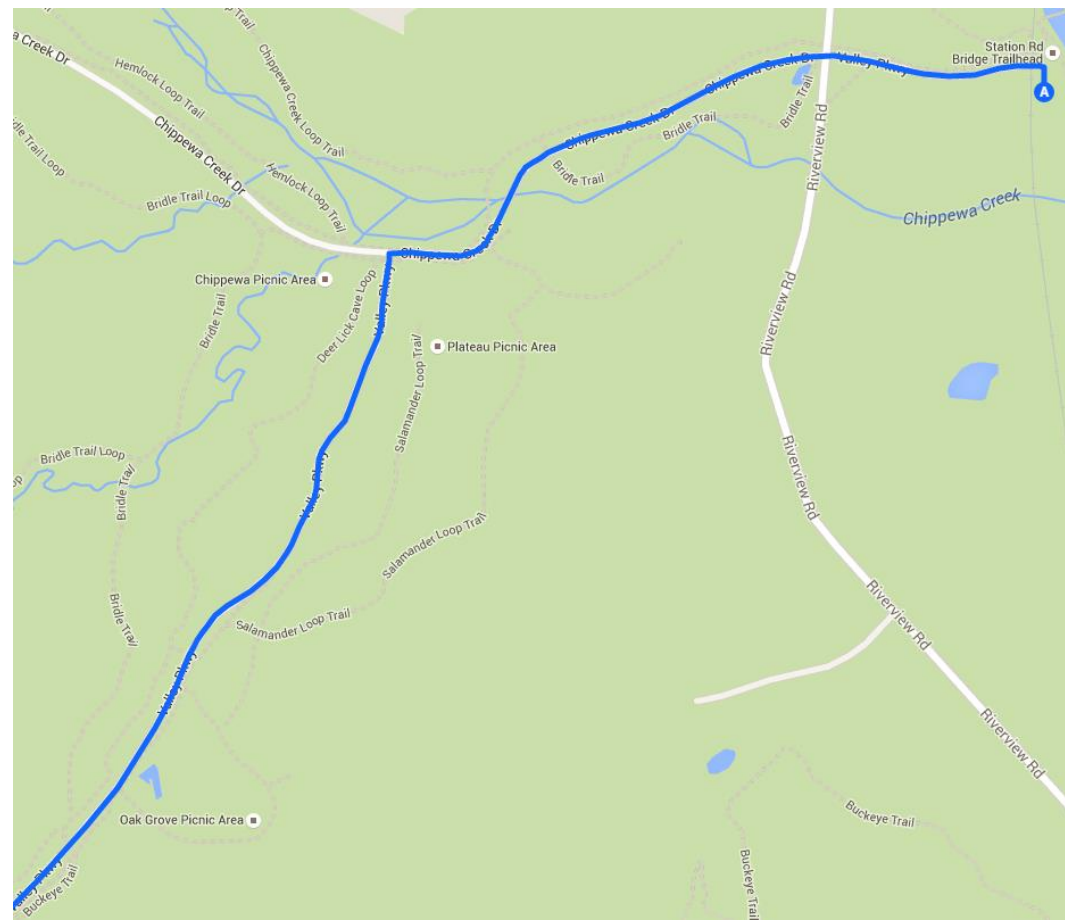


## Cuyahoga Valley NP Start Line – Brecksville, OH – Start Line

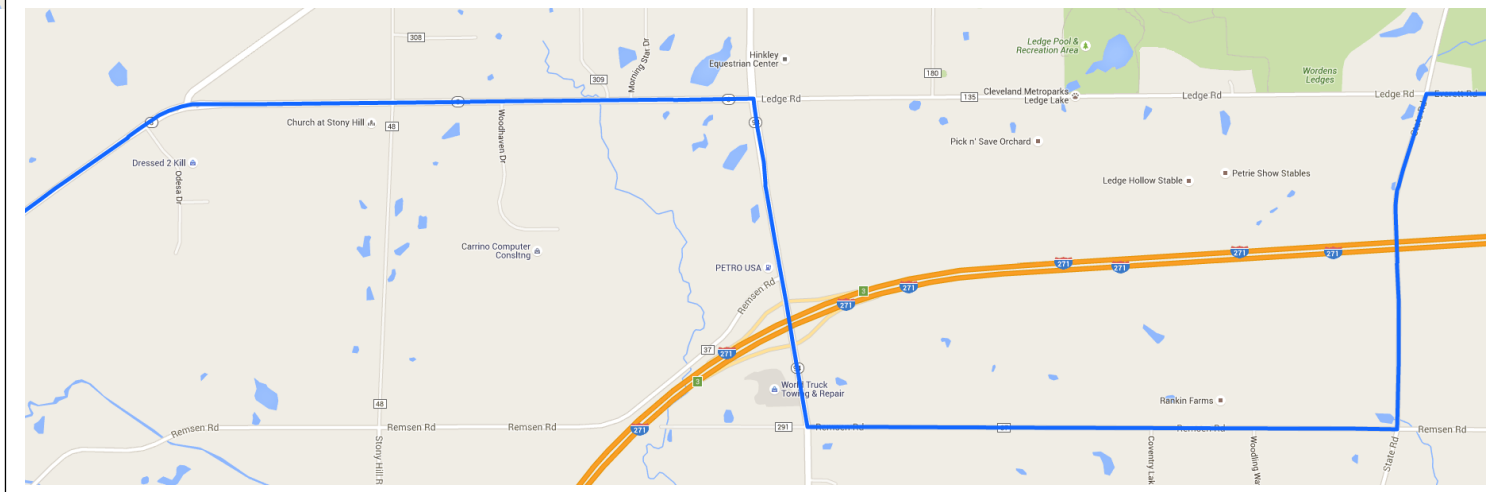
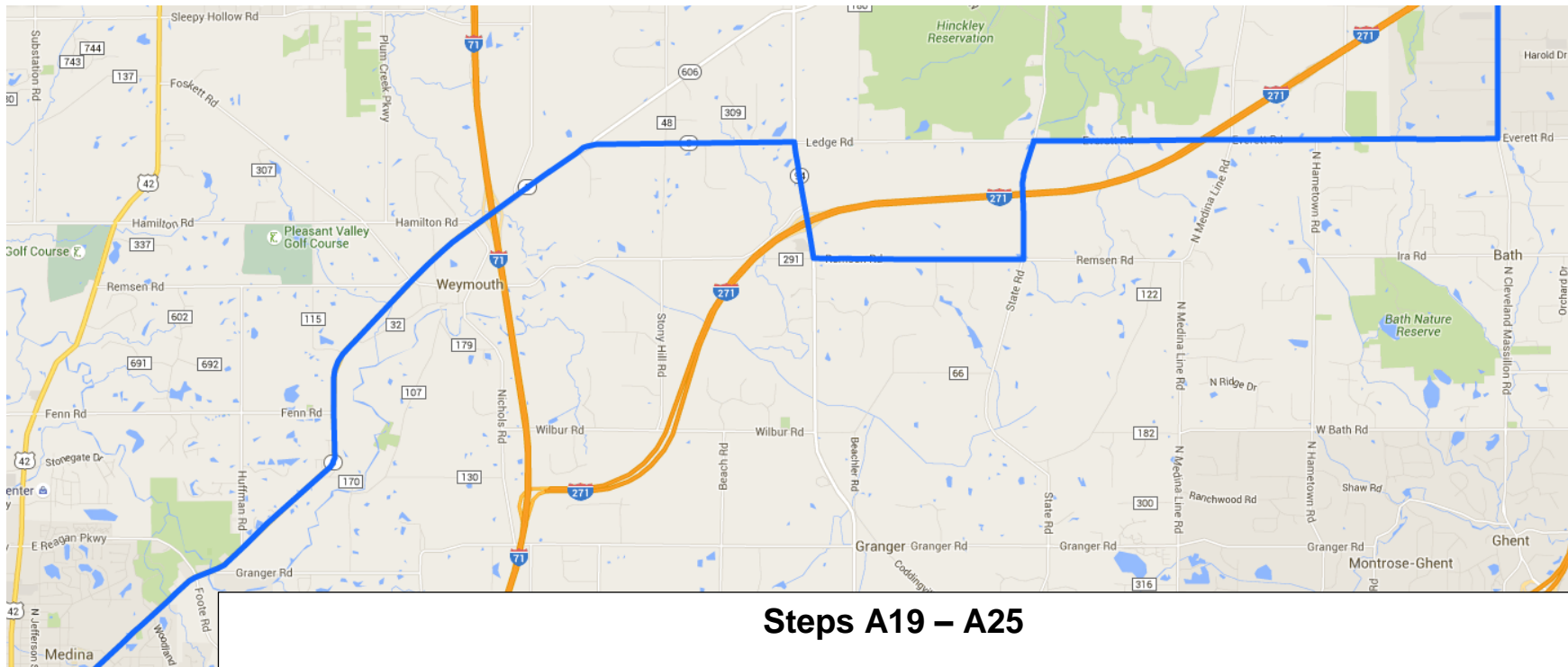




### Steps A1 – A4

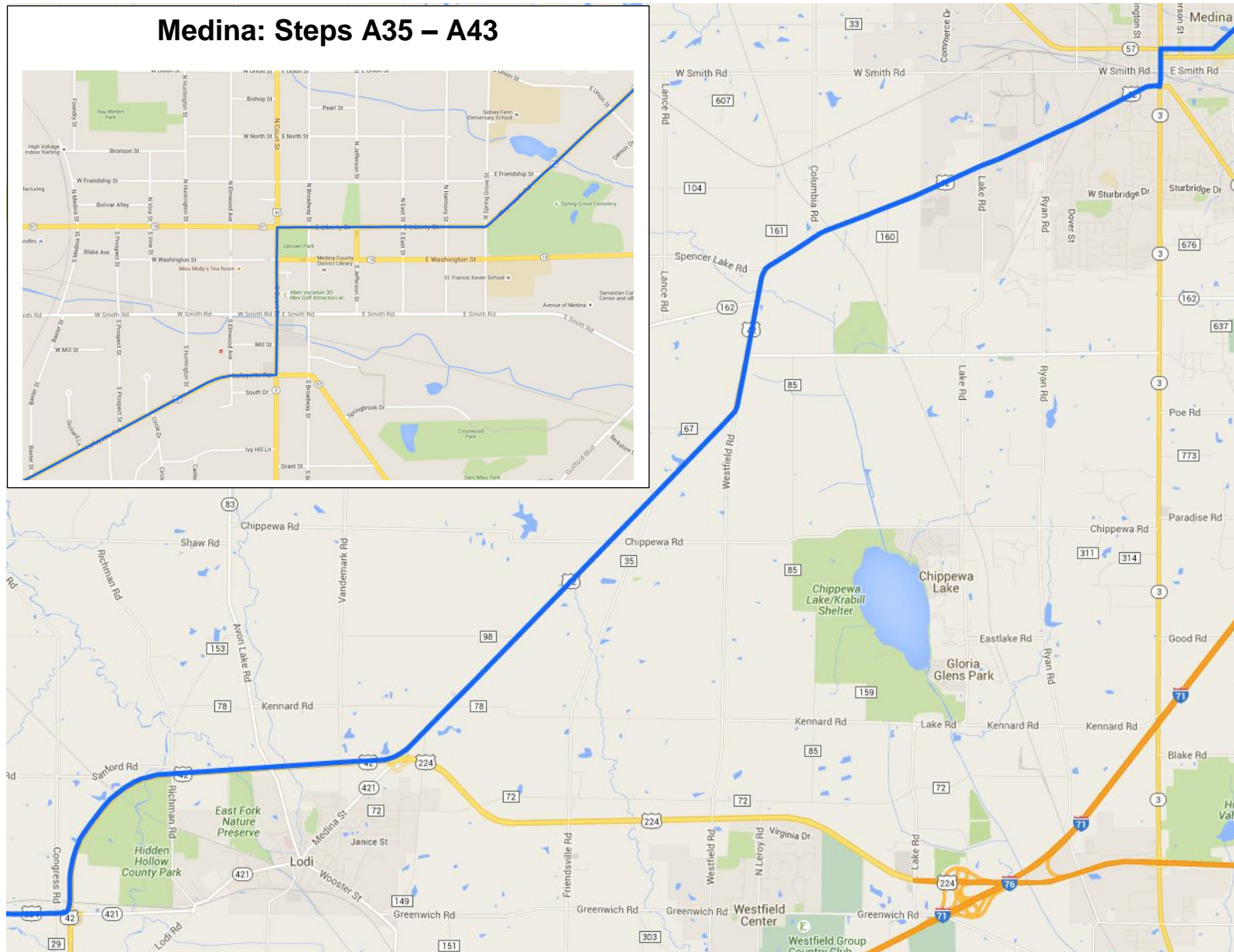


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 1	0.00		Proceed straight across the train tracks exiting the parking lot			30		
A 2	0.20	0.20	Continue straight at the stop sign for Riverview Road				narrow gravel	
A 3	0.70	0.50	Turn left at Valley Parkway	<b>No stop sign or SL - pay attention!</b>		25		
A 4	1.20	0.50		Oak Grove picnic area on left		30		
A 5	2.60	1.40	Turn left at the stop sign onto Brecksville Road		2	35	curb	
A 6	3.50	0.90		SL for Miller Road with access to I-77 North				
A 7	3.90	0.40		SL for Snowville Rd				
A 8	4.30	0.40		SL, Pilot gas station on left				
A 9	4.70	0.40		SL for I-77				
A 10	4.80	0.10		SL for I-80			narrow paved	
A 11	5.50	0.70	Must be in left lane - continue straight, do NOT exit right onto I-77			40	grass/ditch	
A 12	7.00	1.50		SL for OH-303/W. Streetsboro Rd	1	40	paved	
A 13	8.20	1.20		SL after I-271 overpass				
A 14	8.30	0.10		SL for Weatley Rd/OH-176 with access to I-77				
A 15	8.40	0.10		SL for Highlander Parkway			paved w/curb	
A 16	9.60	1.20	Turn right at the SL for Everett Rd		1	40	no	
A 17	10.70	1.10		Bath Baseball Park on left	1	45		

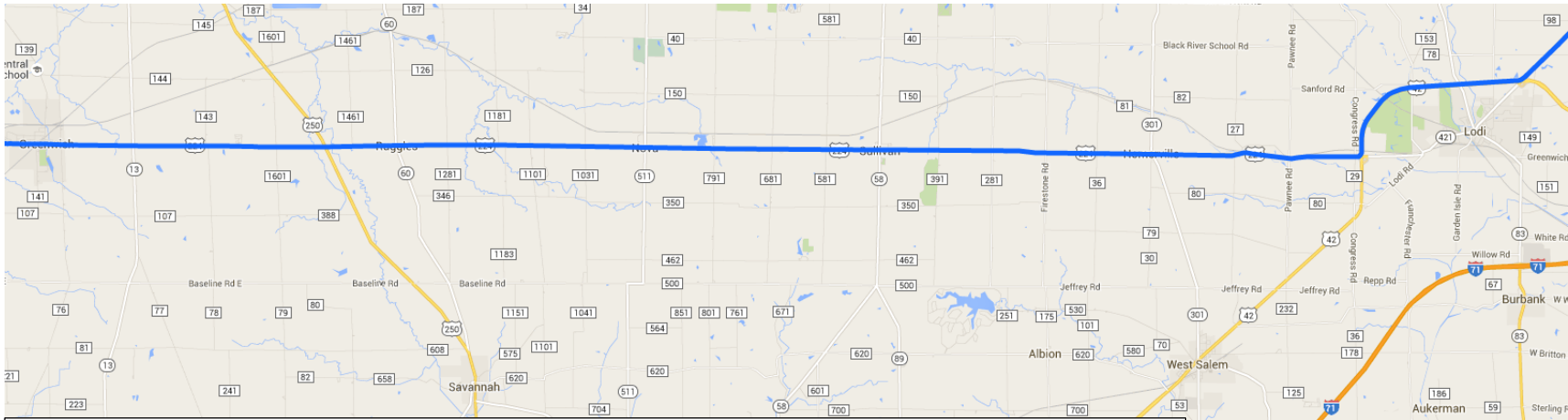




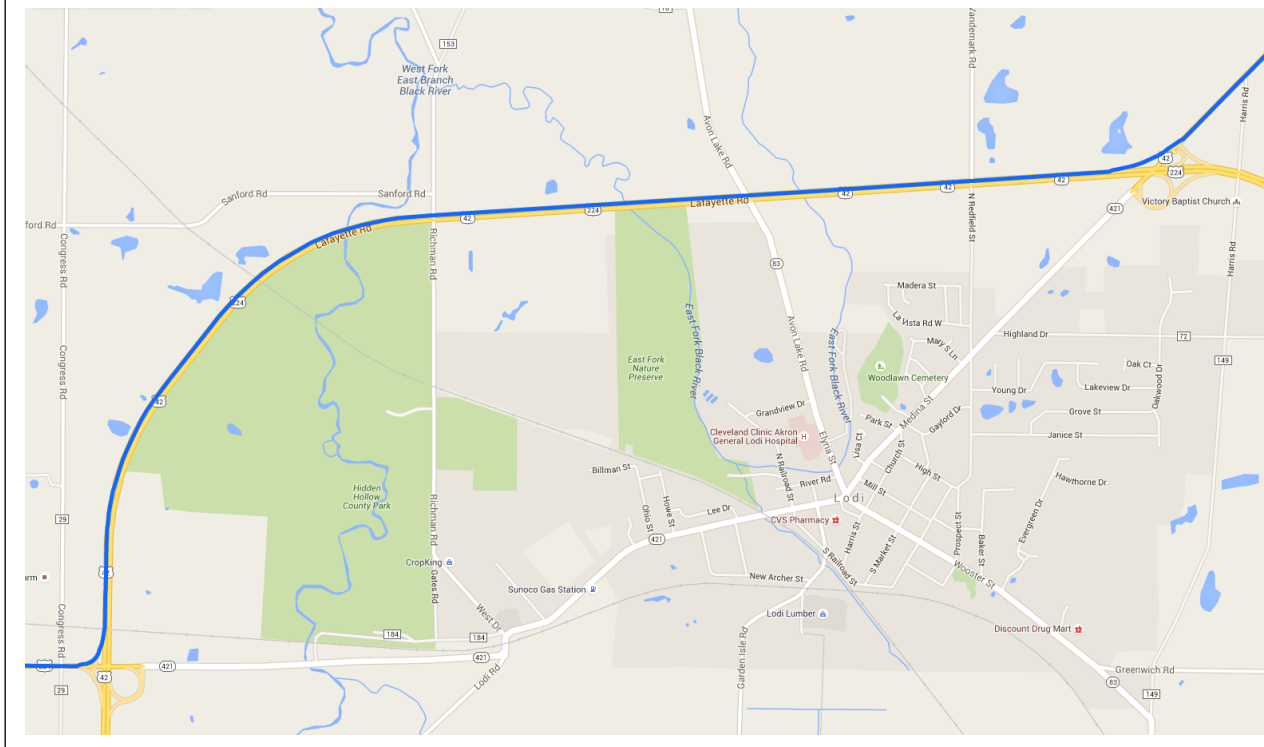
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 18	11.90	1.20		Pass over I-271	1	50		
A 19	13.30	1.40	Turn left at 4-way stop sign onto State Rd		1	45		
A 20	13.70	0.40		Pass over I-271				
A 21	14.20	0.50	Turn right onto Remsen Rd	<b>No stop sign or SL - pay attention!</b>	1	45		
A 22	15.90	1.70	Turn right at the stop sign onto Ridge Rd		1	45		
A 23	16.20	0.30		SL for I-271 South entrance ramp				
A 24	16.80	0.60	Turn left at the SL for OH-3 with signs to I-71		1	55	paved/ grass	
A 25	18.40	1.60		Junction OH-606 on right	1	55	paved/ grass	
A 26	18.90	0.50			2	50		
A 27	19.30	0.40		Underpass and SLs for I-71				
A 28	19.50	0.20		SL for Weymouth and Hamilton Rd, Left lane ends afterward	1	50		
A 29	20.00	0.50				55		
A 30	21.50	1.50		SL for Fenn Rd		45		
A 31	22.90	1.40		Entering Medina				
A 32	23.20	0.30		SL for Grainger Rd				
A 33	23.30	0.10		SL for Reagan Parkway/Foote Rd				
A 34	24.00	0.70		SL for Medina City Schools on right	1	35		



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 35	24.30	0.30		SL for Union St/Rolling Meadows	1	35		
A 36	24.70	0.40	Follow OH-3 right bend at SL for Spring Grove St.		1	25	curb	
A 37	25.00	0.30		SL for S Jefferson St				
A 38	25.10	0.10		SL for Broadway St				
A 39	25.20	0.10	Turn left at SL for Court St following OH-3 South/US-42 South		1	25	curb	
A 40	25.30	0.10		SL for Washington St				
A 41	25.35	0.05		SL for Smith St followed by RR track				
A 42	25.40	0.05	Turn right at SL for Lafayette Rd to follow US-42		1	25	paved	
A 43	26.20	0.80		SL for Baxter St		35	paved/ gravel	
A 44	26.40	0.20		RR Tracks				
A 45	27.30	0.90		SL for Lake Rd	1	50	narrow paved	
A 46	28.00	0.70				55		
A 47	28.90	0.90		RR tracks - signage "uneven tracks"				
A 48	29.80	0.90				45		
A 49	30.10	0.30		Entering Lafayette				fuel
A 50	31.00	0.90				55		
A 51	35.10	4.10	Exit right onto US-224 West - BEFORE overpass.	Merge left at the end of the onramp, 4-lane divided	2	60	paved	



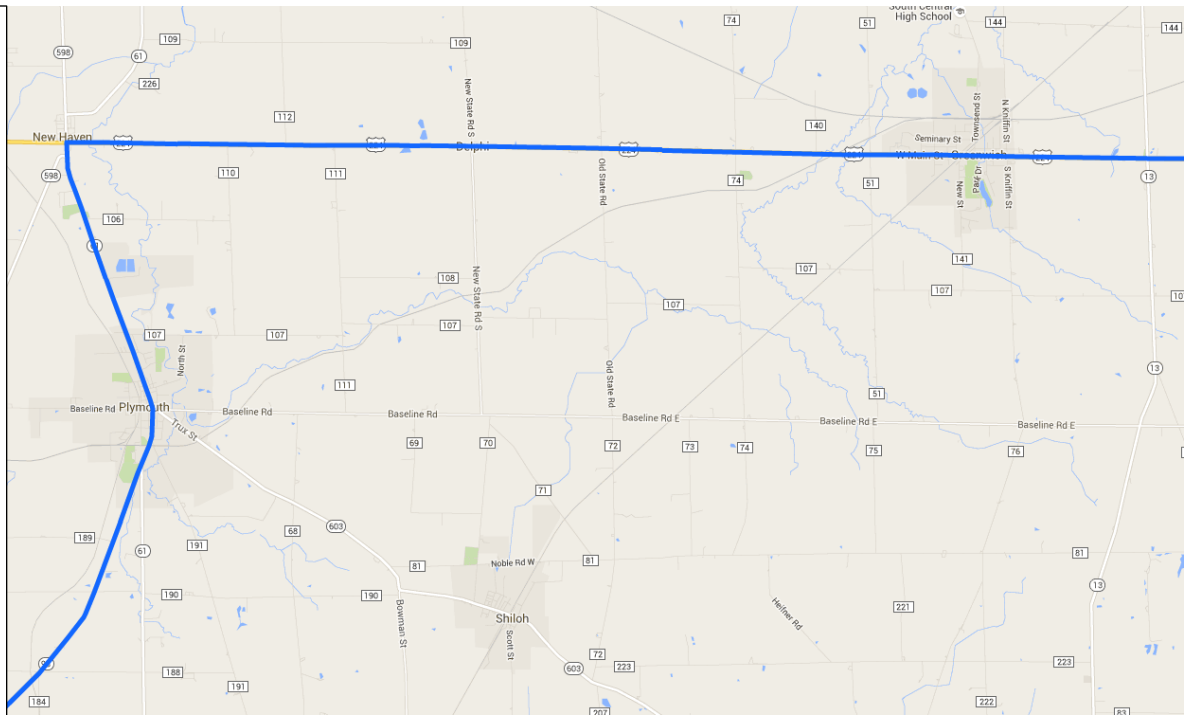
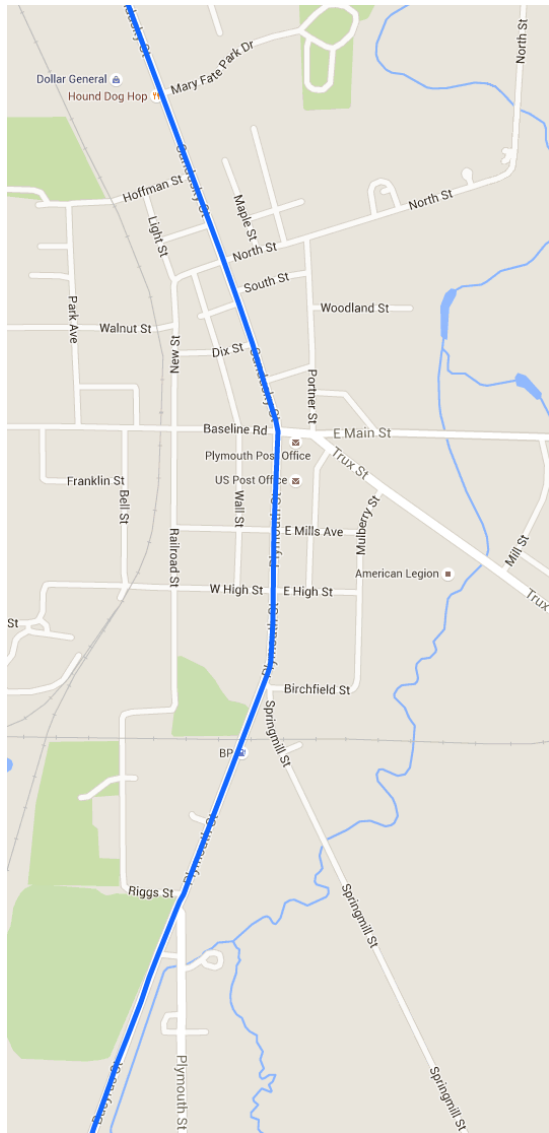
### Lodi: Steps A51 – A54



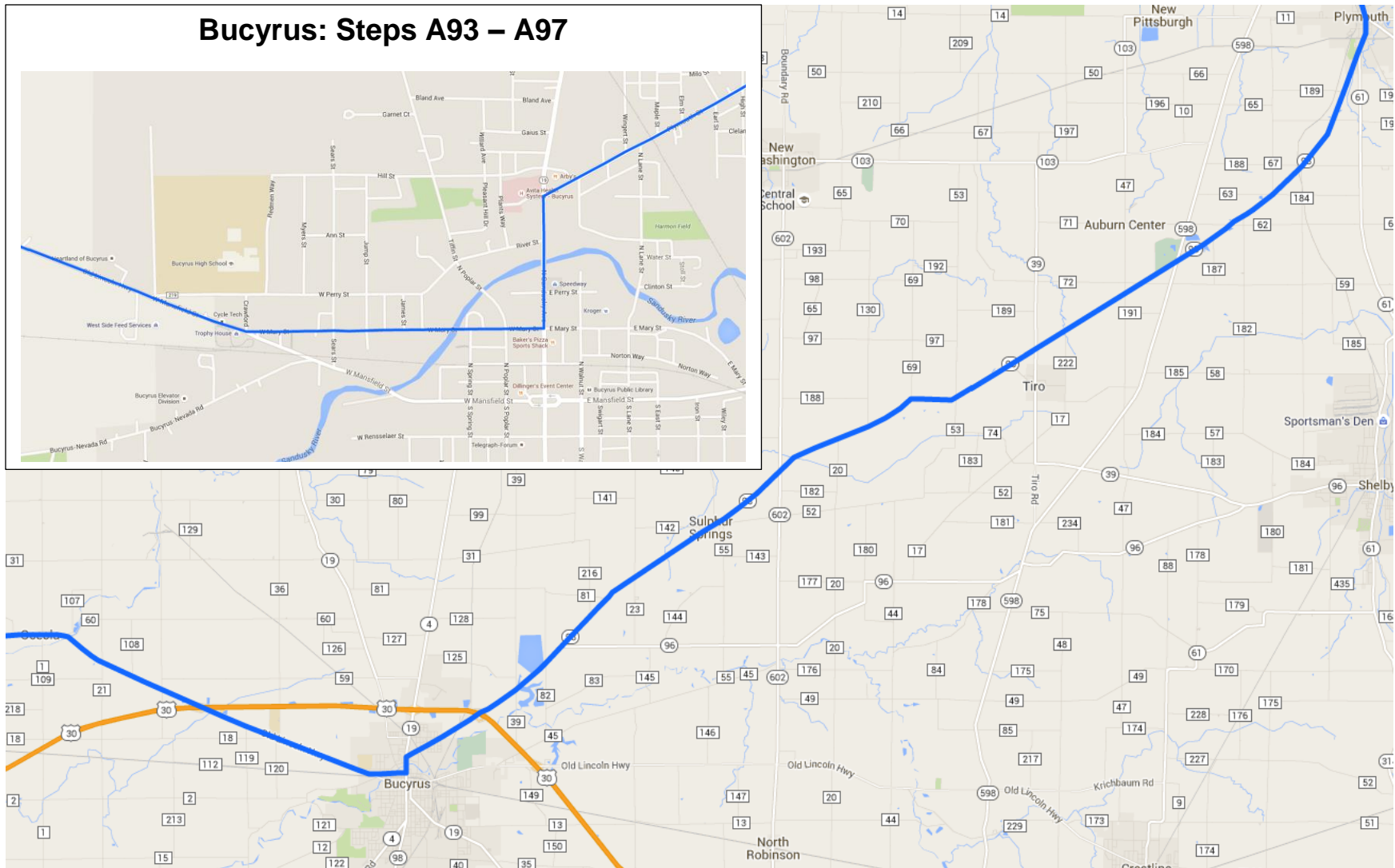
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 52	37.30	2.20		Junction with Richman Rd	2	60		
A 53	38.80	1.50	Exit right to follow US-224 with signs towards Findlay.					
A 54	38.90	0.10	Keep right on the exit to follow US-224 West towards Findlay		1	55	narrow paved	
A 55	42.70	3.80				45		
A 56	42.90	0.20		Homerville, Flashing yellow for junction OH-301				
A 57	43.20	0.30				55		
A 58	47.50	4.30		Entering Sullivan	1	40	gravel	fuel
A 59	48.00	0.50		SL for OH-58, cannons on left				
A 60	48.50	0.50				55		
A 61	52.00	3.50		Entering Nova		40		fuel
A 62	52.80	0.80				55		
A 63	56.60	3.80		Entering Ruggles	1	45	narrow paved	
A 64	56.90	0.30		Flashing yellow for OH-60				
A 65	57.10	0.20				55		
A 66	58.20	1.10		SL for US-250				
A 67	61.20	3.00				45		
A 68	61.70	0.50		SL for OH-13	1	55		



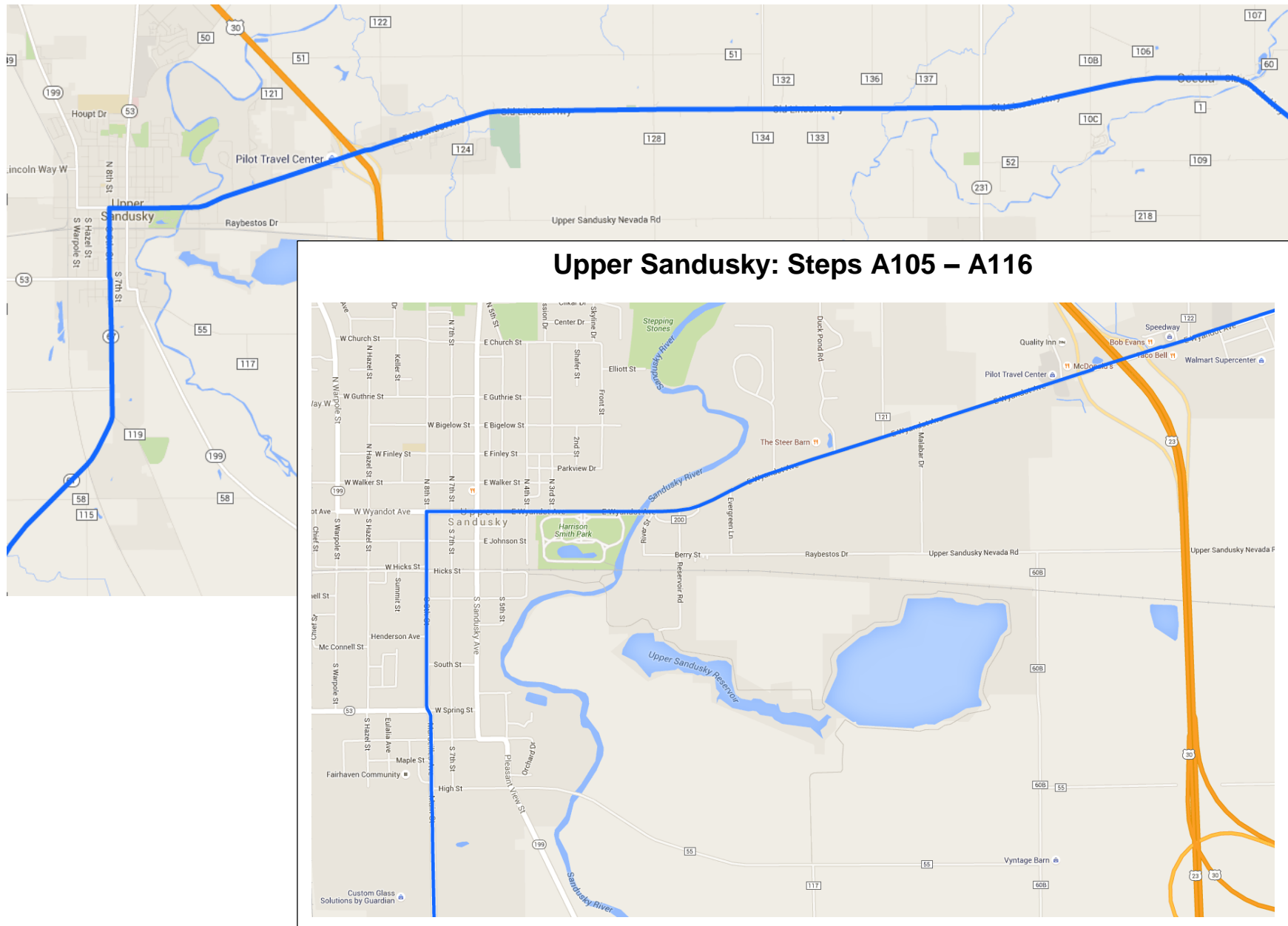
## Plymouth: Steps A78 – A83



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 69	63.00	1.30		Entering Greenwich	1	35	curb	fuel
A 70	63.30	0.30				25		
A 71	63.50	0.20		RR Tracks		35		
A 72	64.20	0.70				55	narrow gravel/grass	
A 73	64.70	0.50		RR Tracks				
A 74	71.80	7.10		Entering New Haven		45		
A 75	72.00	0.20	Turn left at SL onto OH-61 South	BP gas station on far right corner.	1	45		fuel
A 76	72.40	0.40				55		
A 77	73.90	1.50		Entering Plymouth		35	curb	Fuel, grocery
A 78	74.30	0.40		SL for Mary Fate Park				
A 79	74.60	0.30				25		
A 80	74.80	0.20		SL for W Broadway				
A 81	74.80	0.00	Keep right at fork to follow OH-98	Water tower straight ahead, should pass by on your left.				
A 82	75.10	0.30		RR Tracks, BP gas station on left		35		fuel
A 83	75.40	0.30	Keep right at fork to follow OH-98 South	OH-61 forks left	1	50	gravel/ grass	
A 84	75.70	0.30				55		
A 85	77.60	1.90		RR Tracks	1	55		

**Bucyrus: Steps A93 – A97**

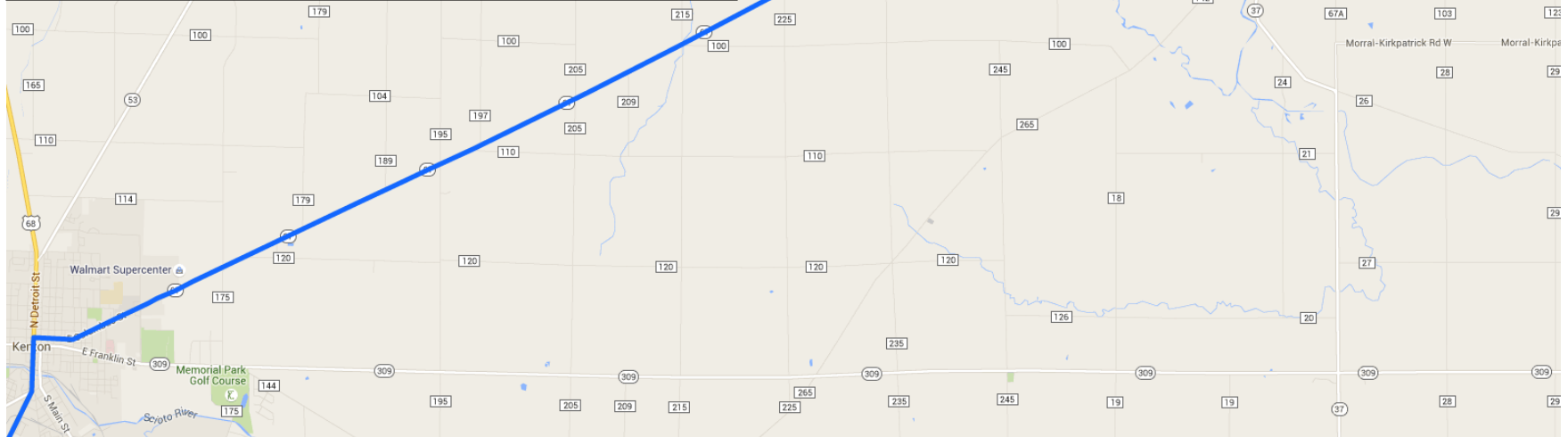
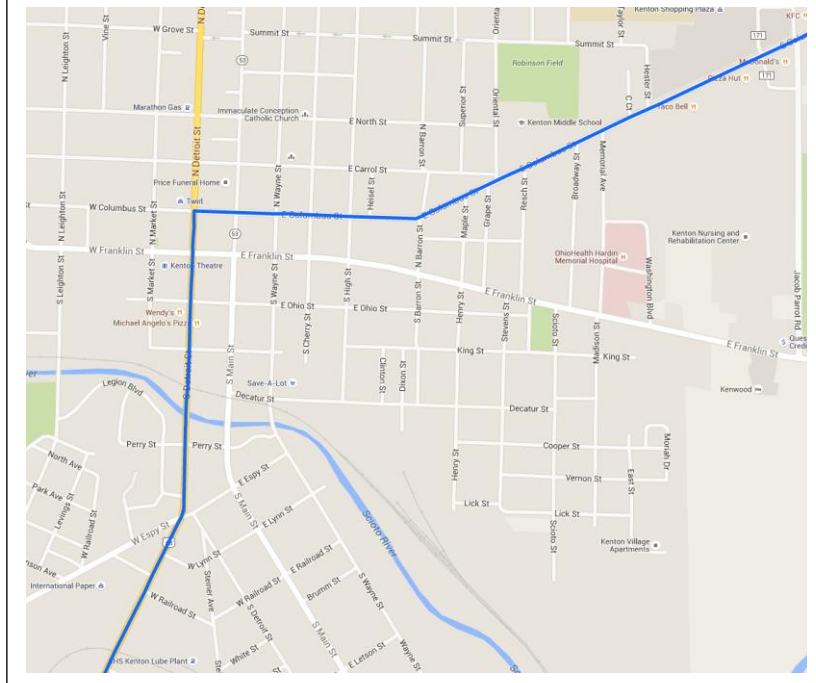
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 86	80.20	2.60		Junction OH-598, golf course on right	1	55		
A 87	83.10	2.90		Junction OH-39, "Lucky's Carry Out" food, fuel, and lottery tickets on left				
A 88	89.10	6.00		Entering Sulphur Springs		40		
A 89	89.80	0.70				55		
A 90	94.40	4.60		Junction US-30				
A 91	94.90	0.50		RR Tracks				
A 92	95.20	0.30		Entering Bucyrus	1	35	curb	
A 93	95.70	0.50		RR Tracks				
A 94	96.00	0.30	Turn left at stop sign to follow OH-98 South	Bucyrus Community Hospital across the street to the right				Food, gas, hospital
A 95	96.20	0.20		SL for Perry St	1	25		
A 96	96.30	0.10	Turn right at the SL for Mary St		1	25		
A 97	96.90	0.60	Continue forward and to the right at the stop sign	Do not turn right onto Crawford St.	1	25	grass	
A 98	97.10	0.20			1	55		
A 99	98.50	1.40		Flashing yellow for Nevada-Wynford Rd to left/Holmes Center Rd to right			gravel/ grass	
A 100	99.60	1.10		Junction with US-30 East				
A 101	100.10	0.50		Junction with US-30 West			narrow paved	
A 102	102.50	2.40		Cross Brokensword Creek, entering Oceola	1	45	narrow paved	



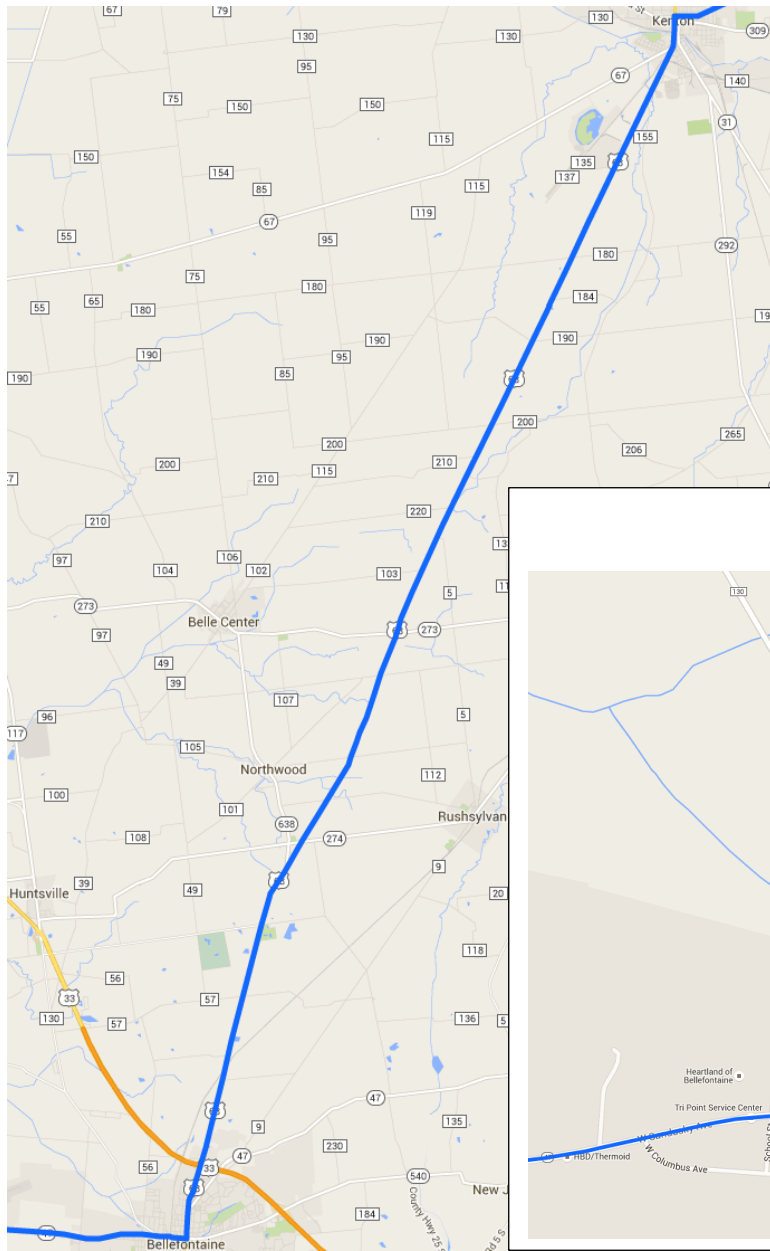


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 103	103.30	0.80			1	55	narrow paved	
A 104	110.20	6.90		Entering Upper Sandusky		50		
A 105	110.40	0.20		SL for Walmart on left				Full services
A 106	110.70	0.30		Junction with US-30 West/US-23 North				
A 107	110.90	0.20		SL for US-30 East/US-23 South				Fuel
A 108	111.30	0.40			1	45	narrow paved	
A 109	112.40	1.10		Small bridge over the Sandusky River		35		
A 110	112.90	0.50		SL for 5th Street	2	25	curb	
A 111	113.00	0.10		SL for Sandusky Ave				
A 112	113.10	0.10		SL for 7th Street				
A 113	113.20	0.10	Turn left at the SL for 8th Street		1	35	curb	
A 114	113.40	0.20		RR tracks - 3 tracks				
A 115	113.60	0.20		SL for school crosswalk				
A 116	113.80	0.20	Follow signs for OH-67 as the road jogs to the left	SL for Spring St	1	35	curb	
A 117	114.10	0.30				50	narrow	
A 118	114.60	0.50				55		
A 119	115.60	1.00		RR Tracks	1	55		

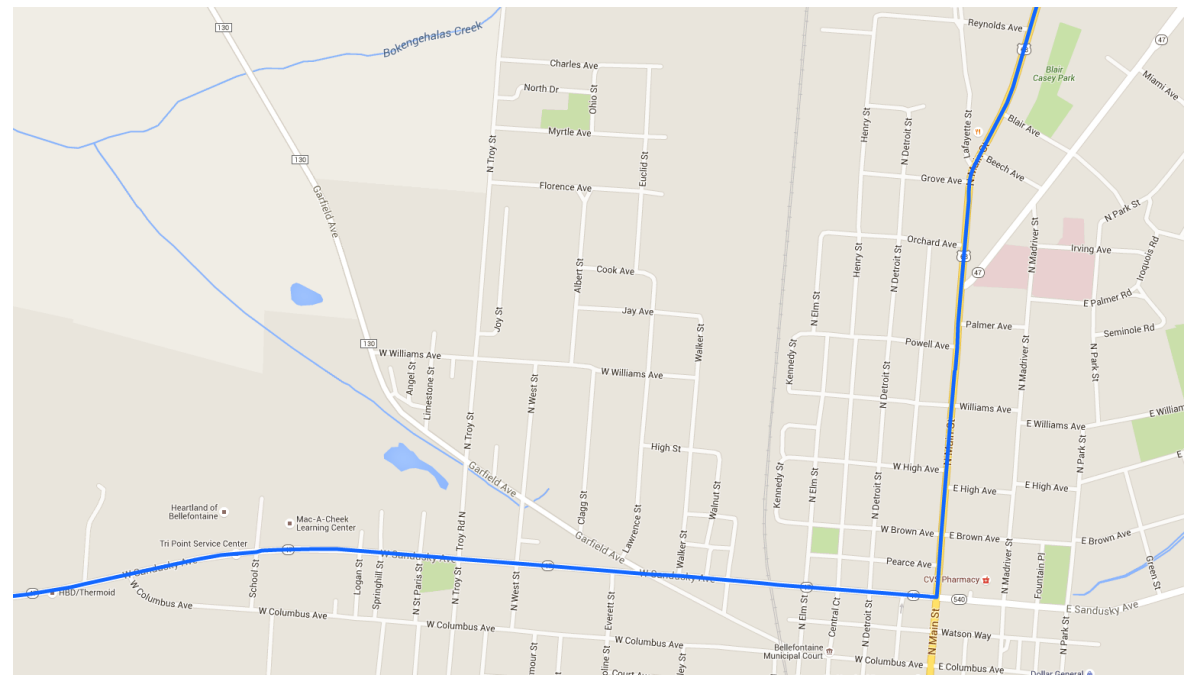
## Kenton: Steps A128 – A137



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 120	121.40	5.80		Junction with OH-294	1	55		
A 121	124.00	2.60	Continue to follow OH-67 West with signs for Kenton	Entering Marseilles	1	35		
A 122	124.50	0.50				55		
A 123	130.50	6.00		Faith Lighthouse church and Suburban Propane on right				
A 124	135.50	5.00		Entering Kenton		45		food, fuel
A 125	135.70	0.20		SL for Walmart on right				
A 126	135.90	0.20			1	35	curb	Full service
A 127	136.00	0.10		SL for shopping on right				
A 128	136.20	0.20		SL for Hester St				
A 129	136.50	0.30		SL for Oriental St				
A 130	136.80	0.30			1	25		
A 131	136.90	0.10		SL for Wayne St				
A 132	136.95	0.05		SL for Main St				
A 133	137.00	0.05	Turn left at the SL for Detroit St, following signs for OH-67		1	25	curb	
A 134	137.05	0.05		SL for Franklin St/OH-309				
A 135	137.10	0.05		SL for Ohio St				
A 136	137.30	0.20		RR Tracks	1	25		Fuel



### Bellefontaine: Steps A148 – A156

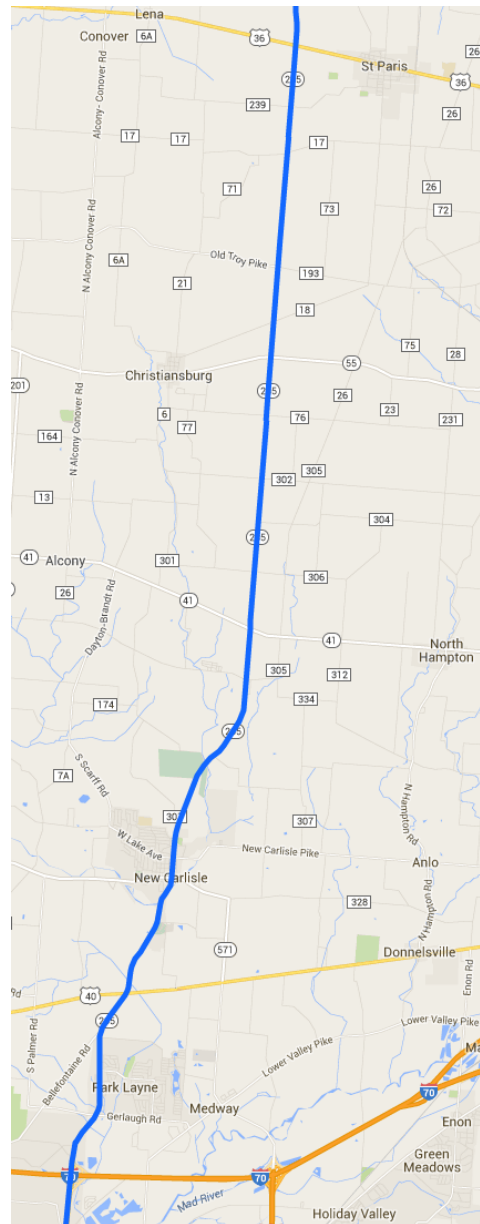


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 137	137.50	0.20	Continue forward and to the right at the SL, following signs for US-68 South	Do NOT turn right to follow OH-67 West	1	25		
A 138	137.70	0.20		RR Tracks				
A 139	138.00	0.30				45	paved	
A 140	138.60	0.60			1	55		
A 141	148.00	9.40		Junction with OH-273				
A 142	152.30	4.30		Country Variety & Bulk Food Store on right, small parking lot.				
A 143	155.60	3.30		RR Tracks - 2 sets of rails, very diagonal to the road.				
A 144	156.60	1.00		Entering Bellefontaine		50	narrow paved	
A 145	157.10	0.50		Junction with US-33 West				
A 146	157.30	0.20		Junction with US-33 East	1	35	curb	Fuel, food
A 147	157.40	0.10		Flashing yellow for Dowell Ave on left				
A 148	157.60	0.20		SL for Reynolds Ave on right				
A 149	157.80	0.20		Flashing Yellow for Lafayette St on right				
A 150	157.90	0.10		SL for OH-47/Rush Ave on left				
A 151	158.10	0.20		SL for Williams Ave				
A 152	158.20	0.10				25		
A 153	158.40	0.20	Turn right at the SL for W Sandusky Ave/OH-540 to follow OH-47 West	Wallgreens on near left corner	2	25		

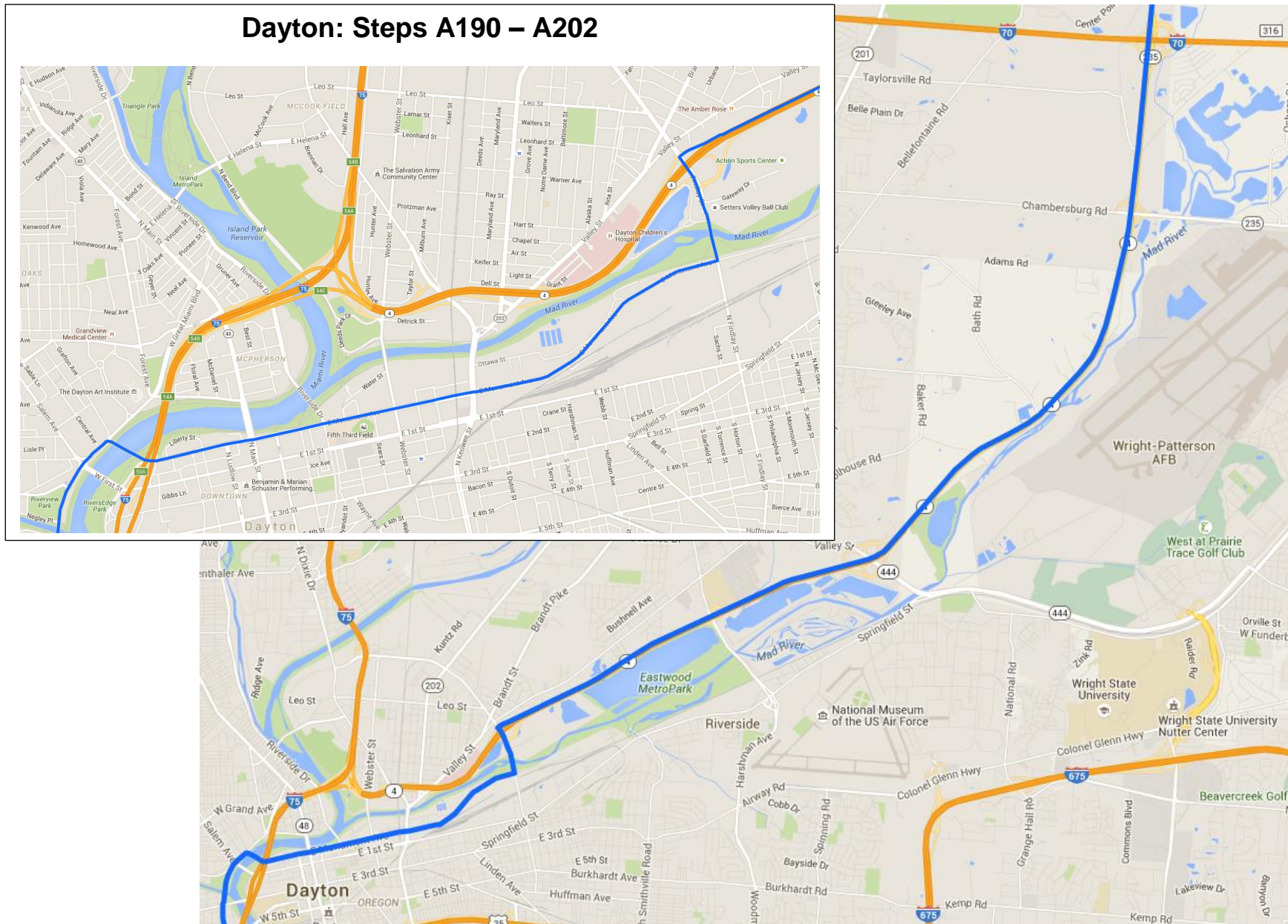




Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 154	158.50	0.10		SL for Detroit St	2	25		
A 155	158.80	0.30		SL for Garfield Ave		35	curb	
A 156	159.40	0.60	Merge left, right lane ends after this SL	SL for School St			narrow	
A 157	160.10	0.70		SL for County Highway 32		50		
A 158	160.40	0.30				55		
A 159	166.50	6.10	Turn left at 4-way stop with flashing red onto OH-235 South		1	55	narrow	
A 160	168.60	2.10		Entering De Graff		35		Fuel
A 161	169.30	0.70	Follow OH-235 as it curves sharply to the right				curb	
A 162	169.40	0.10		Flashing yellow for Main Street/OH-508	1	35		
A 163	170.00	0.60				55	narrow	
A 164	172.70	2.70		Entering Quincy	1	35		Fuel
A 165	172.90	0.20		RR Tracks - two sets, then a third approximately 100ft after		50		
A 166	173.70	0.80		Junction with OH-706	1	55	narrow paved	
A 167	178.20	4.50		Junction with OH-29 East to left				
A 168	178.50	0.30		Junction with OH-29 West to right	1	50		
A 169	179.00	0.50				55		Fuel
A 170	179.80	0.80		Kiser Lake State Park on left	1	55		

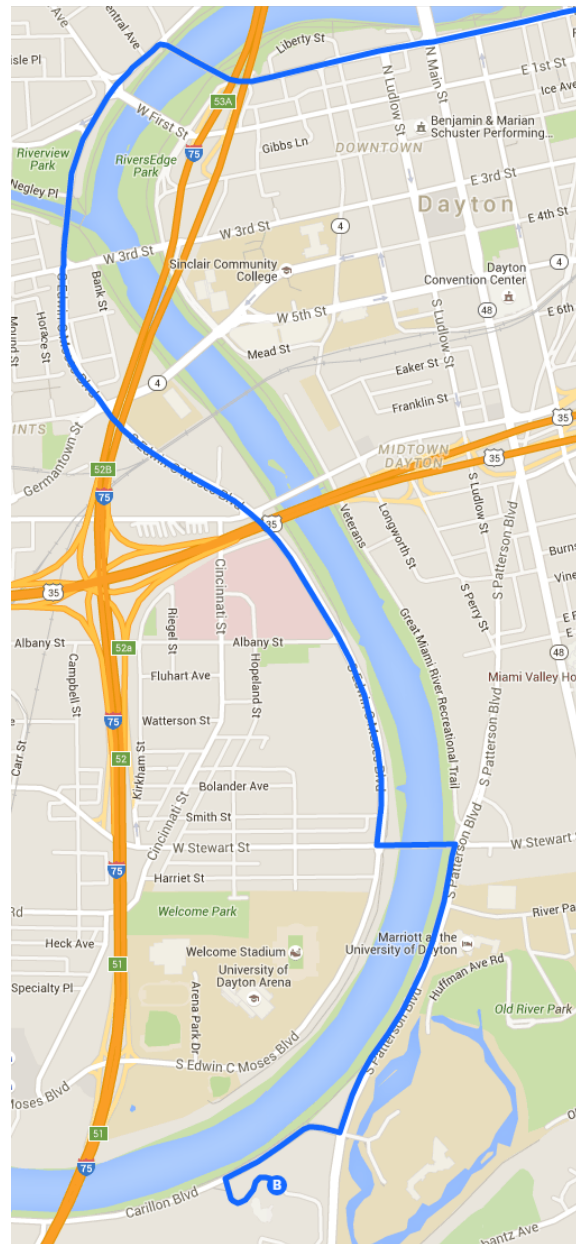


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 171	184.30	4.50		SL at Junction with US-36	1	55		Fuel
A 172	189.40	5.10		Junction with OH-55				
A 173	193.80	4.40	Continue straight to follow OH-235 South at roundabout with OH-41.					
A 174	196.40	2.60		Golf course on right				
A 175	197.40	1.00		Entering New Carlisle	1	35	curb	Fuel, food
A 176	198.00	0.60		SL for Lake Ave		25		
A 177	198.30	0.30		SL for Jefferson St				
A 178	198.50	0.20				35		
A 179	198.80	0.30				55		
A 180	200.40	1.60	Continue straight at SL for US-40	Bright pink "Cake Creations Bakery" on far left corner	1	55	paved	
A 181	201.40	1.00				45		
A 182	202.50	1.10		SL with Ace Hardware on the corner				Full Services
A 183	202.80	0.30				50		
A 184	203.00	0.20		SL for Coca-Cola Blvd				
A 185	203.20	0.20		SL for Center Point 70 Blvd				
A 186	203.50	0.30	Continue straight on OH-4 South across I-70	Stay out of the right lane - becomes turn-only in a mile	3	60		
A 187	204.30	0.80	Continue straight on OH-4 South		2	60	paved, wide	

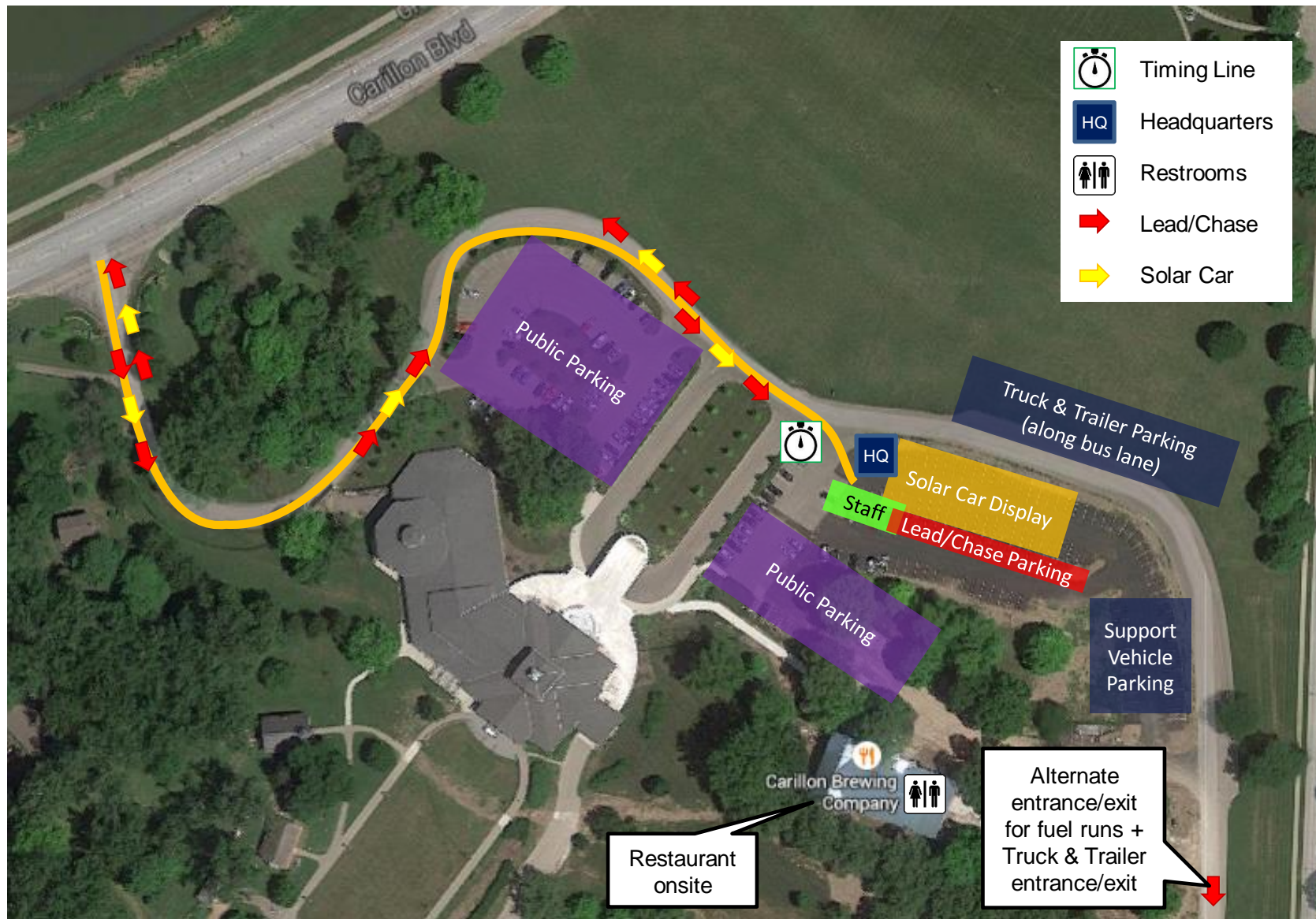
**Dayton: Steps A190 – A202**



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 188	208.90	4.60		Dayton city limits, exits for Valley St	2	60		
A 189	210.40	1.50		Harshman Rd Exit				
A 190	212.40	2.00	Exit right at exit for Findlay St and Stanley Ave				curb	
A 191	212.70	0.30	Turn left at the SL at the bottom of the exit onto Findlay St.	Stay in left lane, right lane ends		35		
A 192	213.20	0.50	Turn right onto Monument Ave at the SL immediately after the bridge			35		
A 193	214.30	1.10		SL for Keowee St	2	35		
A 194	214.60	0.30		SL for Webster St.	2	35	curb	
A 195	214.80	0.20		SL for Water St				
A 196	214.85	0.05		SL for Paterson St				
A 197	214.95	0.10		SL for St. Clair				
A 198	215.05	0.10	Stay in center two lanes - left and right lanes turn	SL for Jefferson	4	25		
A 199	215.15	0.10		SL for Main				
A 200	215.25	0.10		SL for Ludlow				
A 201	215.35	0.10		SL for Wilkinson				
A 202	215.75	0.40	Turn left at SL for Riverview Ave	At the end of the bridge over the Miami River	2	35	curb	
A 203	215.90	0.15		SL for Salem Ave				
A 204	216.30	0.40		SL for Third St	2	40		



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
A 205	216.60	0.30		SL for Germantown St	2	40		
A 206	217.00	0.40		SL for Washington				
A 207	217.70	0.70	Turn left at SL for Stewart St	Cross bridge over the Miami River. Next right will be immediately across the bridge	2			
A 208	217.90	0.20	Turn right at SL for Patterson		2	40	curb	
A 209	218.00	0.10		SL for River Park Dr				
A 210	218.50	0.50	Turn right at the SL Carillon Blvd		1			
A 211	218.70	0.20	Turn left into the parking lot, signs for Wright Brothers Aviation Center and Carillon Brewing Co. Follow staff direction					



Carillon Historical Park Checkpoint – Dayton, OH – Checkpoint Detail







## Carillon Historical Park Checkpoint – Dayton, OH – Location Overview



