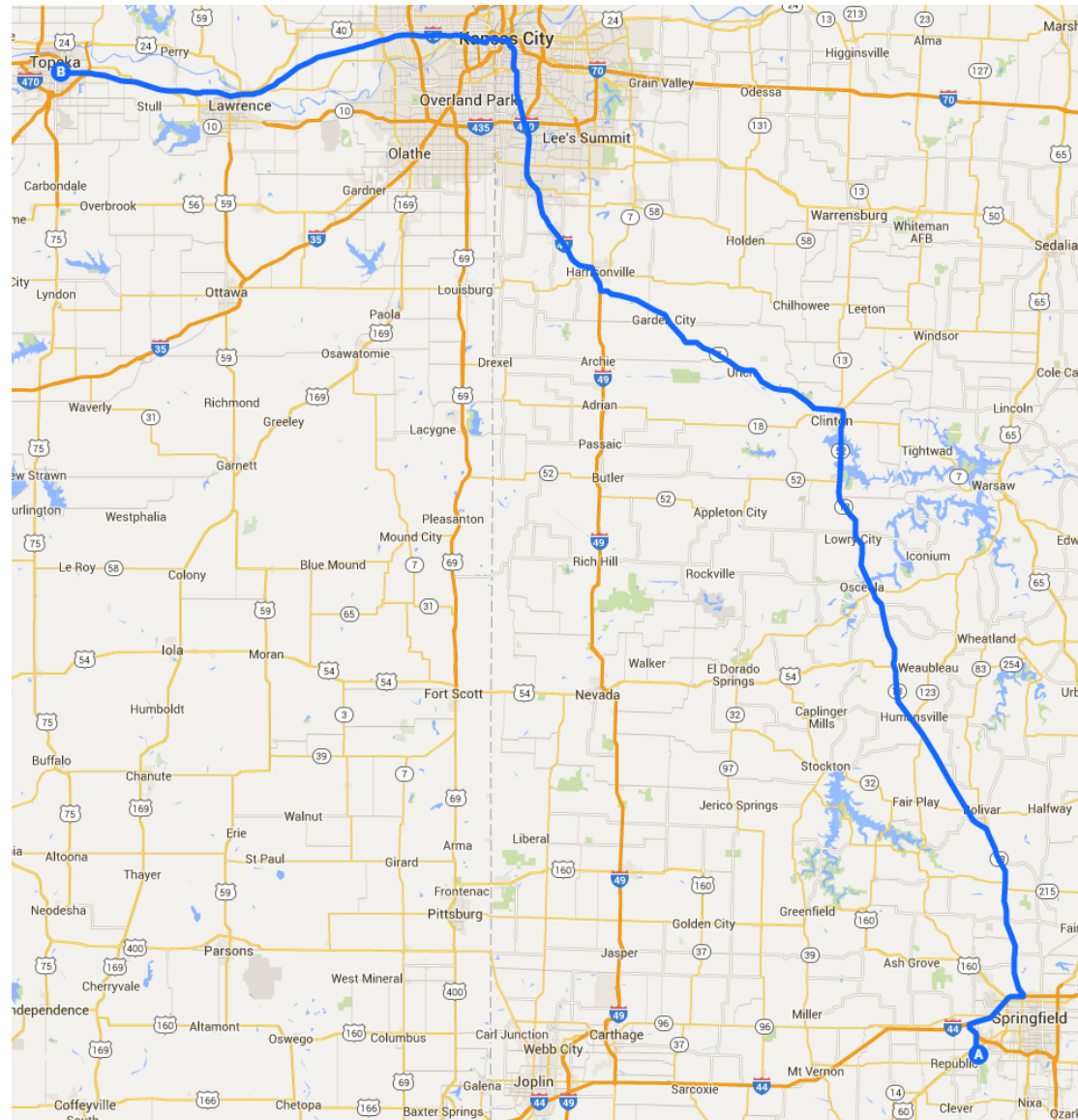


STAGE 3

PART A

2016 AMERICAN SOLAR CHALLENGE

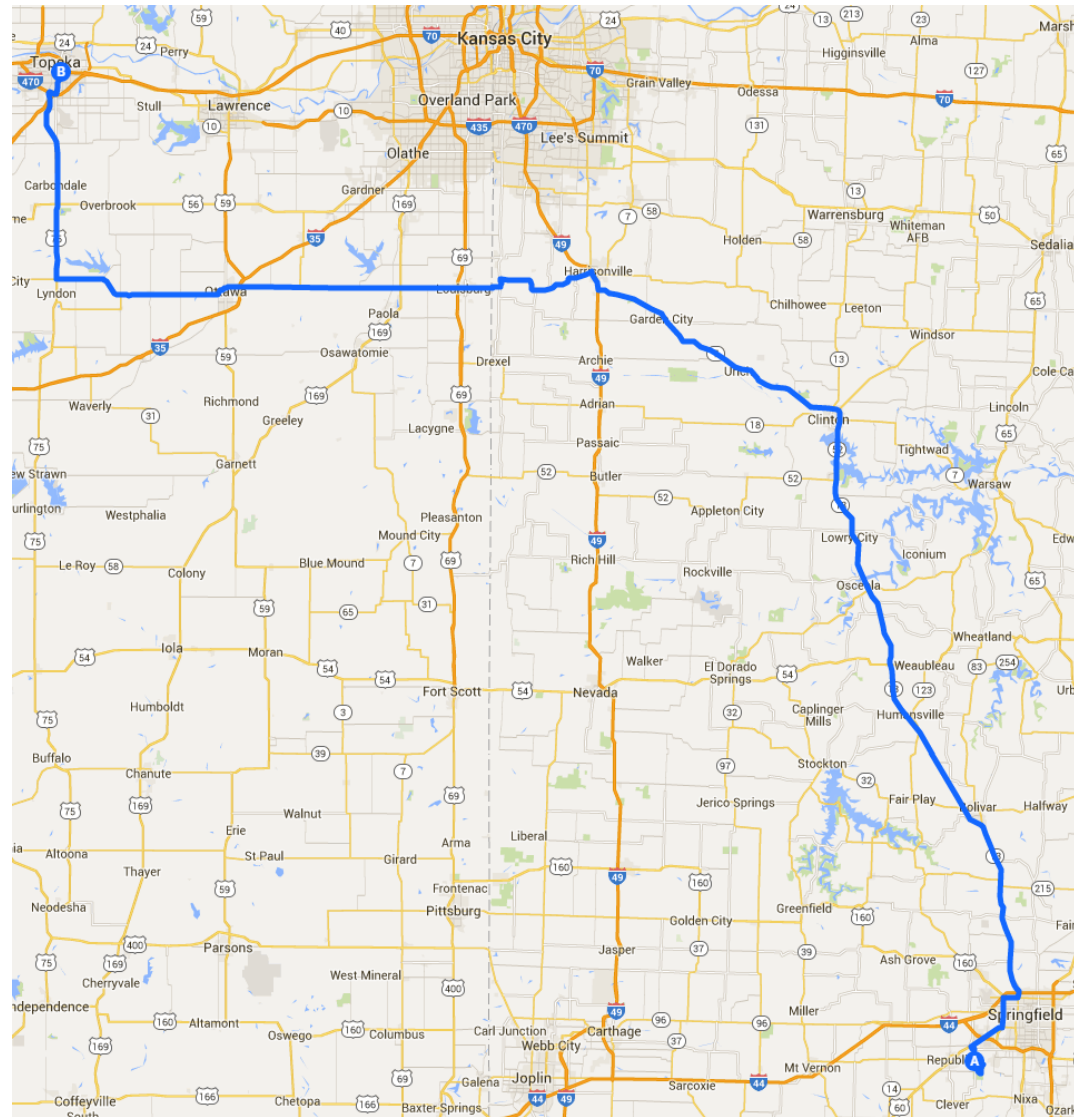
Republic, MO – Topeka, KS

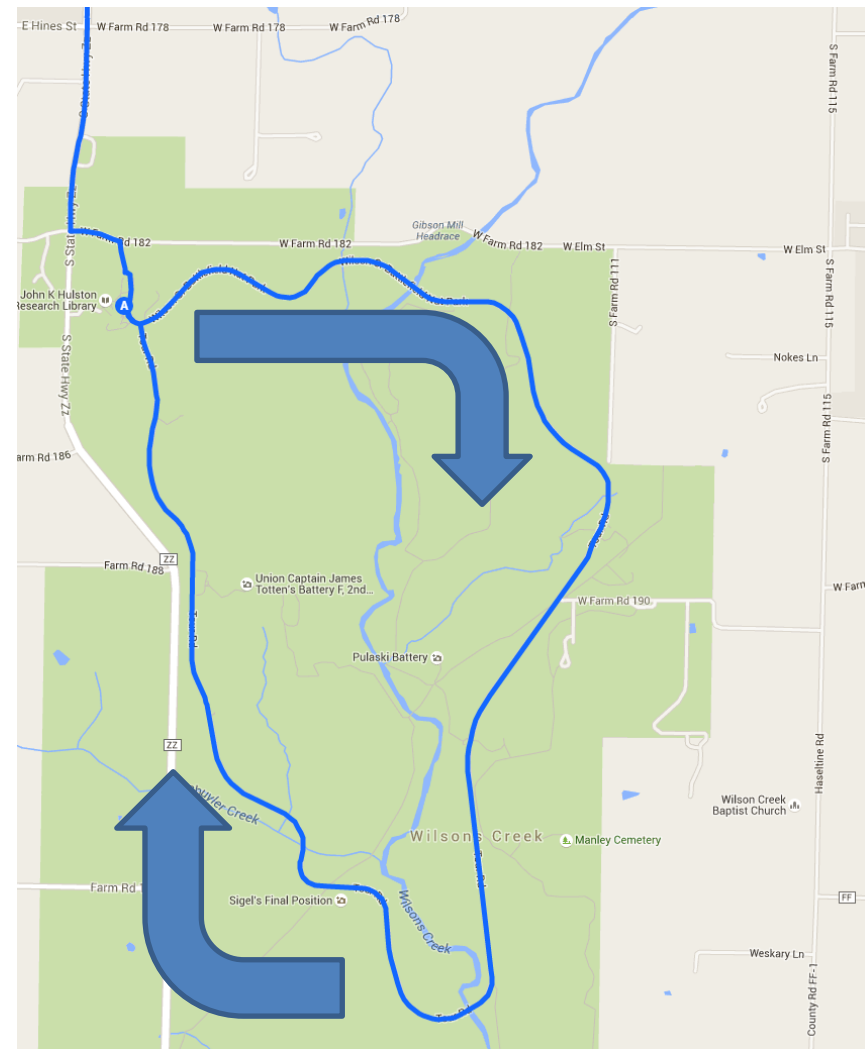


SUPPORT VEHICLE ROUTE (NOT SOLAR CAR ROUTE!)

Step	Direction	Interval
1.	Exit the high school parking lot to the west and turn right on Wilson's Creek Blvd	
2.	Turn left onto W Republic Rd/W Rudolph Rd/W State Hwy M/W State Rte M	0.2 mi
3.	Slight right onto W Republic Rd	0.1 mi
4.	W Republic Rd turns right and becomes S State Hwy Mm	0.7 mi
5.	Turn left onto the MO-360 W/James River Frwy ramp to Jct Route 1-44	2.1 mi
6.	Merge onto MO-360 W	0.3 mi
7.	Take the exit onto I-44 E toward Springfield	1.2 mi
8.	Take exit 77 for MO-13/Kansas Expy toward Bolivar Note: Now on solar car route at Step E22. MO-13 is 4-lane divided, but take care not to block other solar car caravans!	8.7 mi
9.	When the solar cars get on I-49 for two exits starting at Step E50, the map above directs you staying on I-49 through Kansas City, and taking I-70 west to Topeka – follow GPS maps of your choice (and note that I-70 is a toll road). If your car is having issues and you would prefer to stay close to it, you may exit I-49 at Step E53, and continue to follow the solar car route – but note that the roads the solar cars are on become much smaller, so be extremely careful to not block other solar car caravans, and double check that your CB is working!	
10.	See page 147 for overflow parking location for support vehicles.	

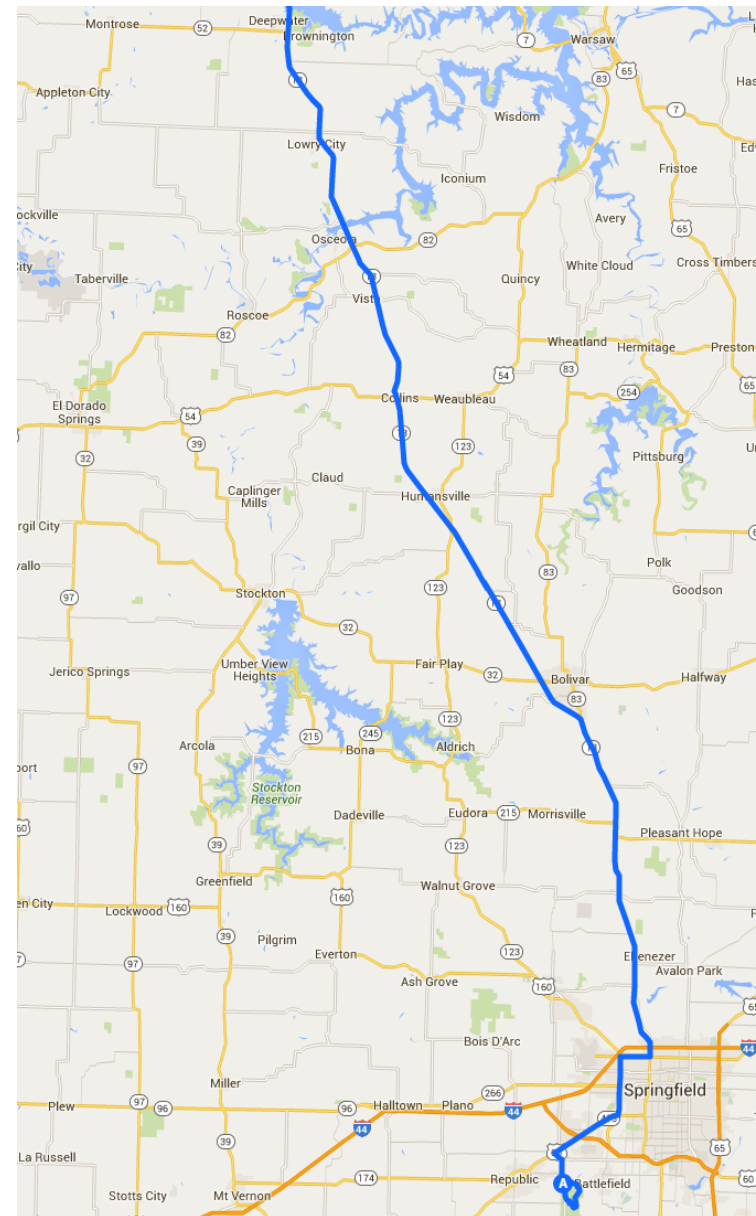
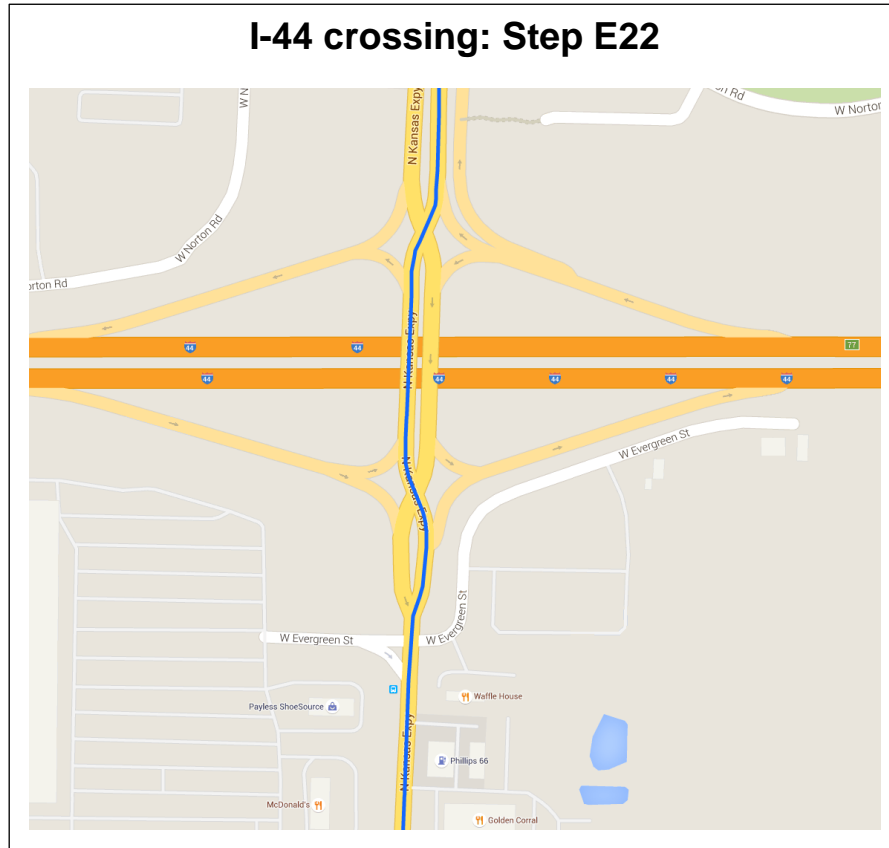
SOLAR CAR ROUTE OVERVIEW



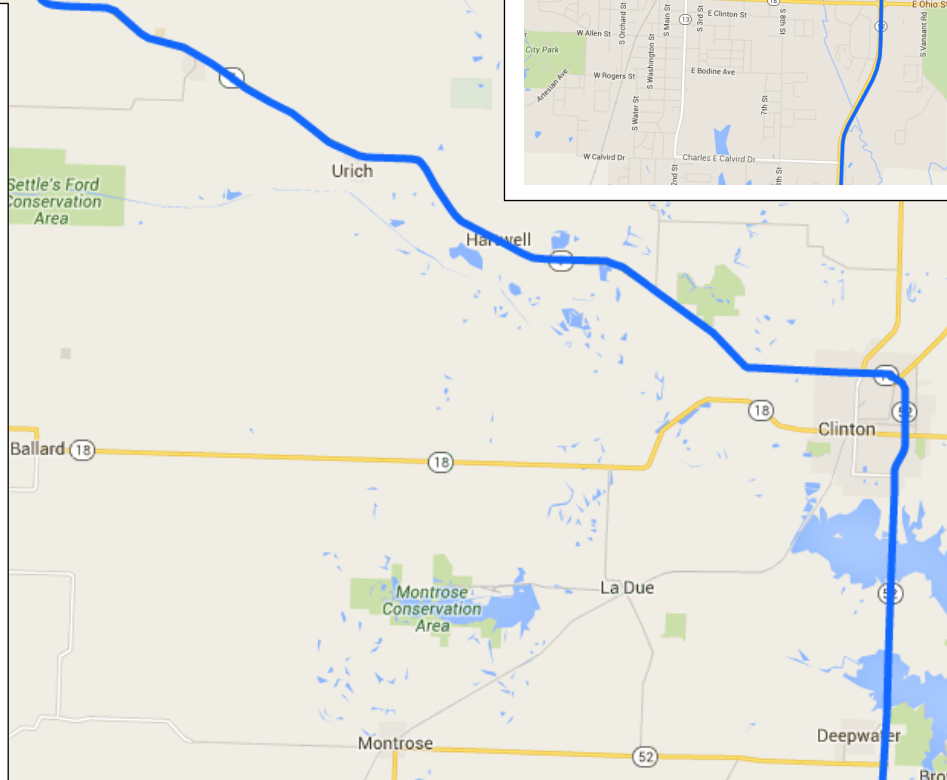


Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 1	0.00		Enter the Wilson's Creek Battlefield loop and follow it clockwise around the park		1	25		
E 2	5.00	5.00	Turn left at the stop sign back towards the visitor center					
E 3	5.10	0.10	Pass through the gate back into the parking lot.	Continue forward through the parking lot and out the far side				
E 4	5.30	0.20	Turn left at the stop sign onto Farm Road 182		1	25		
E 5	5.40	0.10	Turn right at the stop sign onto Highway ZZ		1	55	narrow	
E 6	6.90	1.50	Turn left at the SL onto Republic Rd			55		
E 7	7.60	0.70	Turn right at the SL with signs for US-60 East/MO-413 North		2	60	wide paved	
E 8	9.50	1.90		2 SLs for US-60 East/MO-360 West overpass				fuel
E 9	11.90	2.40				55		
E 10	12.30	0.40				45		
E 11	12.40	0.10		SL for Zimmer Rd				
E 12	12.60	0.20	Turn left at the SL for West By-Pass/ US-160		2	50	wide paved	
E 13	14.20	1.60		SL for Mt Vernon St				
E 14	14.70	0.50		SL for Chestnut Expwy		45	curb	
E 15	15.20	0.50		SL for Nichols St				
E 16	15.70	0.50		SL for Division St/Route EE	2	45	curb	
E 17	16.70	1.00	Turn right on Kearney St/MO-744		2	45	curb	

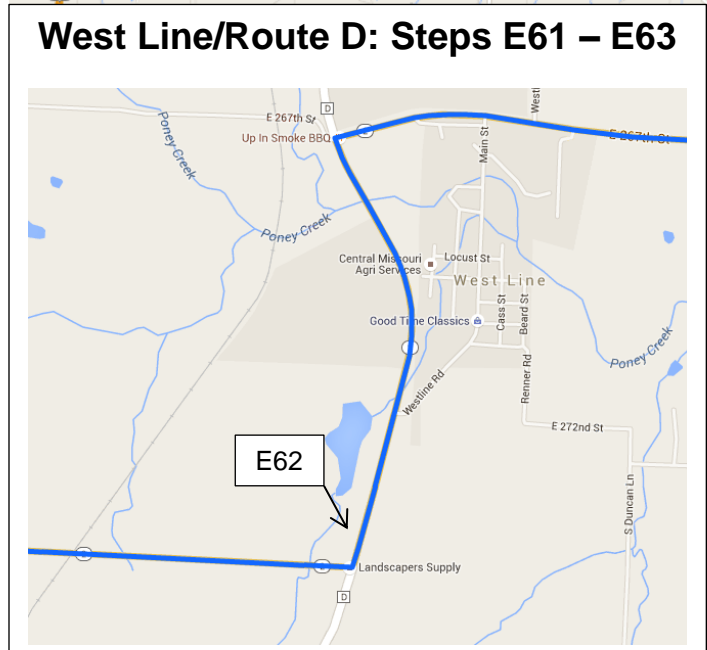
I-44 crossing: Step E22



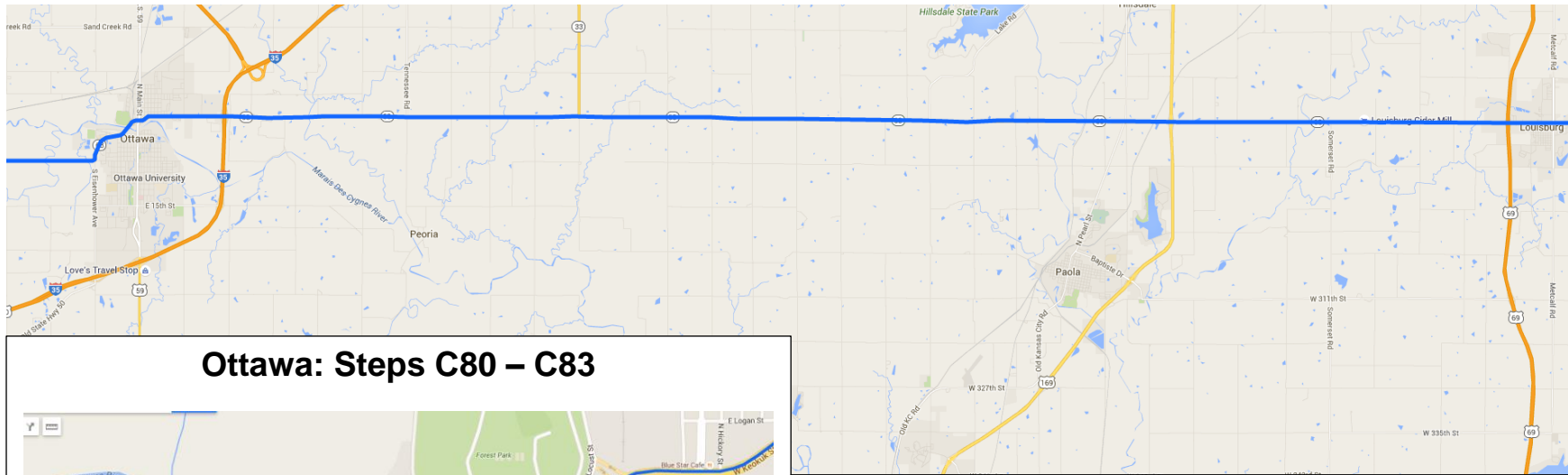
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 18	17.00	0.30		SL for Cresthaven Ave	2	45		
E 19	17.70	0.70		SL for Fulbright Ave				fuel
E 20	18.70	1.00	Turn left at SL for Kansas Expwy/MO-13		2	40	curb	full services
E 21	19.20	0.50		SL, Golden Corral Buffet & Grill on right				
E 22	19.40	0.20	Continue to follow MO-13 North for the next ~85 miles	I-44 interchange - diamond type with crossover, two SLs. Just follow your lane.				
E 23	19.60	0.20		SL for Norton				
E 24	19.80	0.20			2	65	wide paved	
E 25	24.00	4.20		SL for O/Austin Ln, Cenex fuel station on right				fuel
E 26	35.30	11.30		Flashing yellow for MO-215				
E 27	42.50	7.20		Access to Bolivar via MO-83				full services
E 28	46.30	3.80		Access to Bolivar via MO-32				hospital access
E 29	51.20	4.90		Junction with Route B/Route BB	2	65	wide paved	
E 30	58.90	7.70		Junction with MO-123, access to Humansville				
E 31	68.50	9.60		US-54 exit with access to Collins				fuel, food
E 32	79.70	11.20		MO-82 exit with access to Osceola				fuel, food
E 33	86.90	7.20		Lowrey City Limits				fuel, food
E 34	95.30	8.40		MO-52 West exit with access to Montrose and Deepwater				



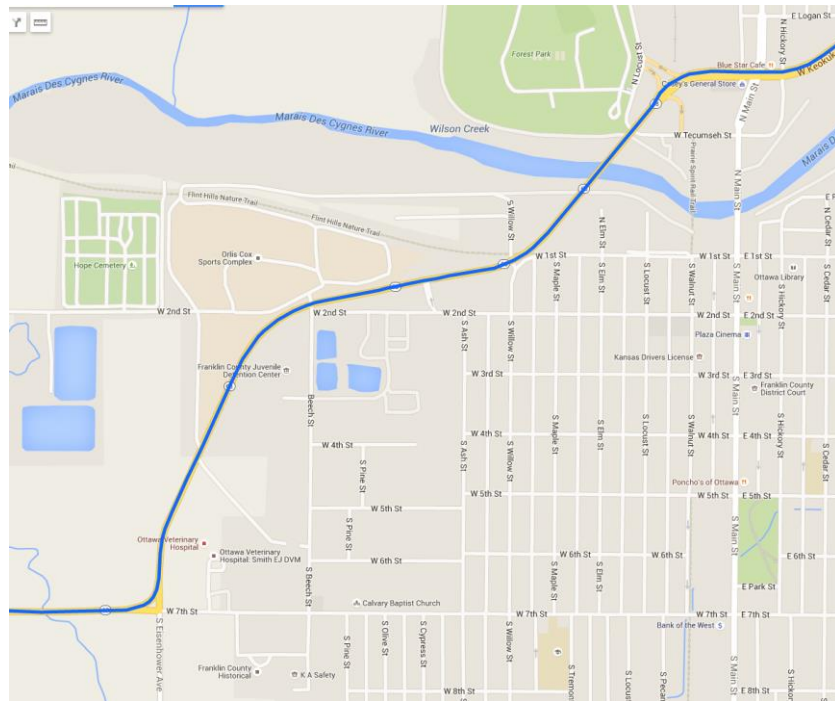
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 35	102.90	7.60		Clinton City Limits	2	55	wide paved	
E 36	103.40	0.50				45		
E 37	103.80	0.40	Continue straight following signs for MO-7 North	SL for Route 7/MO-18	3	45	curb	Fuel, food, pharmacy
E 38	104.10	0.30	Right lane is exit only ahead	SL for Franklin St		55		
E 39	104.70	0.60	Follow the highway to the left, DO NOT exit right onto MO-52 East		2	55		
E 40	105.50	0.80			2	45	wide paved	
E 41	106.20	0.70	Continue straight onto MO-7 North at the SL for junction with MO-13					Hospital access to right
E 42	107.40	1.20				55		
E 43	108.90	1.50		Clifton's Carpet Shop on left		65		
E 44	109.20	0.30			2	70	wide paved	
E 45	120.50	11.30		Route K/Route B exit with access to Urich				fuel
E 46	125.00	4.50		Route B exit with access to Creighton, entering Cass county				
E 47	133.70	8.70		Route F/Route Z/Route N exit with access to Garden City	2	70	paved	fuel, food
E 48	142.00	8.30				60		
E 49	142.60	0.60	Be in right lane for exit ahead			45		
E 50	142.90	0.30	Exit right onto US-71 North/I-49 North/MO-7 towards Kansas City					
E 51	143.40	0.50	Merge left onto the highway - right lane will be exit only		2	70	paved	



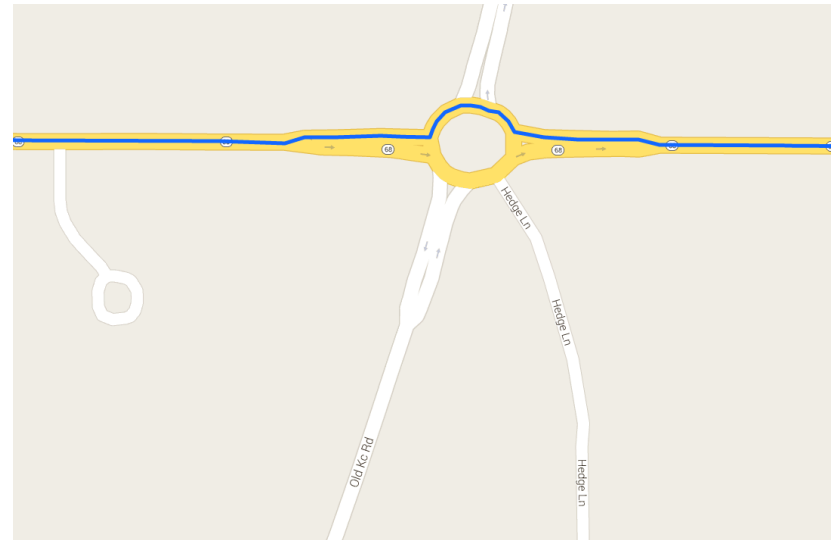
Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 52	144.30	0.90		MO-2 East/Commercial St/Exit 158	2	70		
E 53	145.40	1.10	Exit right at Exit 159 for MO-2 West/MO-7 North/Mechanic Street					
E 54	145.90	0.50	Turn left at the stop sign at the bottom of the exit onto MO-2 towards Freeman	Cross traffic does not stop	1	35		
E 55	146.30	0.40			1	50	paved	
E 56	146.50	0.20				60	wide paved	
E 57	152.60	6.10		Phillips 66 fuel station on right, Highway C				fuel
E 58	154.30	1.70		Freeman city limits		45		
E 59	154.70	0.40		Flashing yellow for intersection with Route O				
E 60	155.90	1.20				60		
E 61	160.40	4.50	Turn left at the stop sign for Route D to follow MO-2.	Be prepared to turn right in 1 mile. Cross traffic does not stop	1	55	narrow	
E 62	161.40	1.00	Turn right to follow MO-2 towards Louisburg	No stop sign or SL - PAY ATTENTION!	1	60	paved/ gravel	
E 63	162.10	0.70		RR Tracks				
E 64	162.80	0.70		Welcome to Kansas - now on KS-68 West	1	65	narrow	
E 65	164.90	2.10		Entering Louisburg		40		fuel, food
E 66	166.20	1.30		4-way stop with flashing red for Metcalf Rd	2	30	curb	auto parts
E 67	166.80	0.60			2	45	curb	
E 68	167.10	0.30		SL for E Crestview				food, fuel, auto parts, grocery



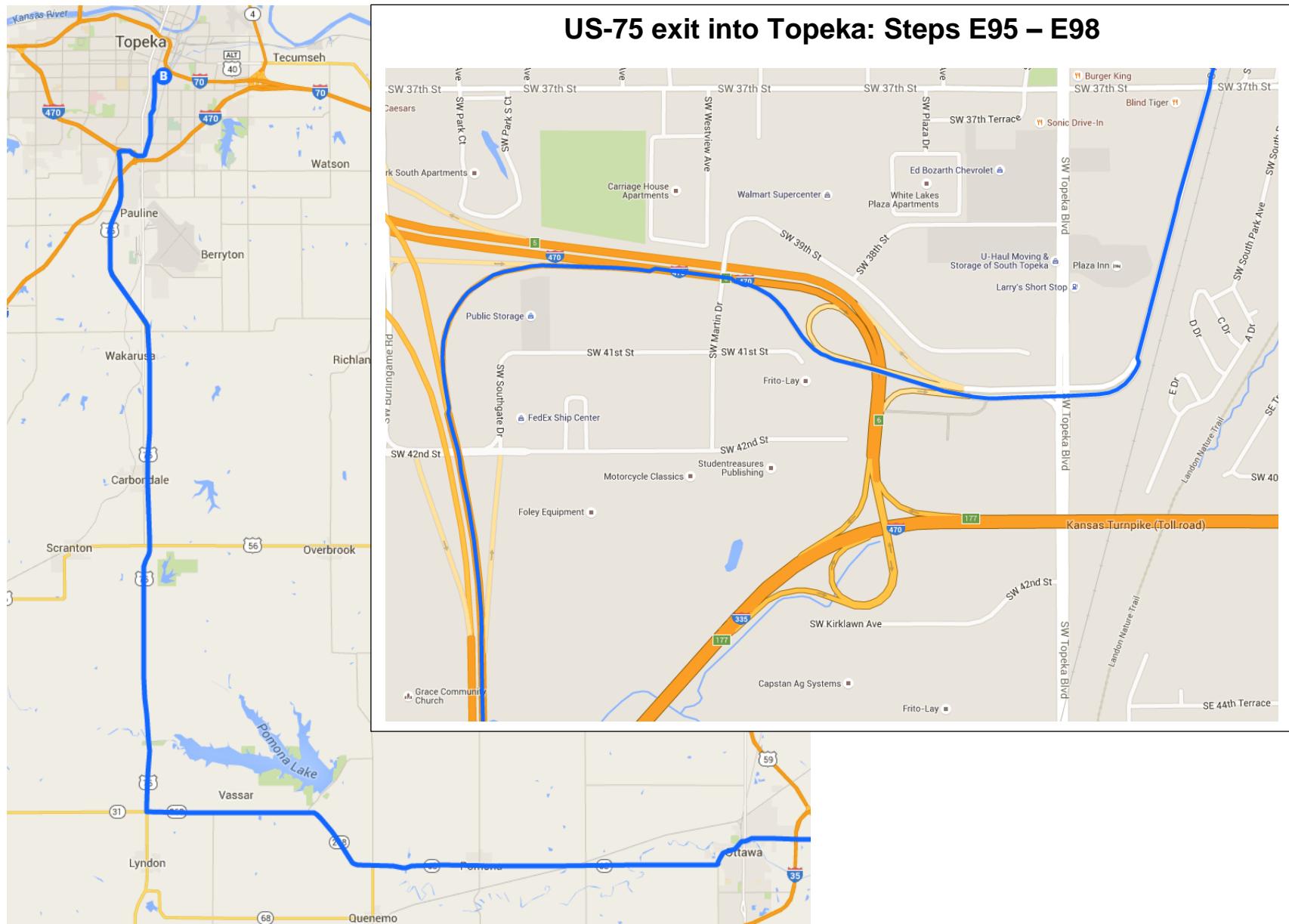
Ottawa: Steps C80 – C83



Step E71



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 69	167.30	0.20		SL for Junction with US-69	1	65	wide gravel	
E 70	174.80	7.50		Junction with US-169			narrow paved	
E 71	175.80	1.00	Proceed straight through the roundabout to continue on KS-68 West	Signage suggests 15mph				
E 72	179.00	3.20		2-lane passing zone for 1/2 mile				
E 73	181.30	2.30		2-lane passing zone for 1/2 mile				
E 74	188.40	7.10		Franklin County Water Tower No. 6 on right, intersection KS-33	1	65	wide gravel	
E 75	195.00	6.60			1	65	wide paved	
E 76	196.30	1.30		Junction with I-35 and US-50	2	55	wide paved	fuel
E 77	197.30	1.00		Entering Ottawa		40	gravel	
E 78	197.50	0.20		SL for Davis Rd	2	40	curb	
E 79	198.20	0.70				30		
E 80	198.50	0.30	Merge left, right lane ends after the SL	SL for N Main St, Casey's on far left corner	1	40	curb	fuel
E 81	199.40	0.90				55	gravel	
E 82	200.00	0.60	Turn right before the stop sign to follow KS-68					
E 83	200.20	0.20		Cross Nugent Creek	1	65	very narrow	
E 84	205.40	5.20		RR Tracks				
E 85	208.30	2.90				50		



Step	Trip	Int	Major Turns/Instructions	Landmarks/Notes	Ln	Spd	Shoulder	Services
E 86	208.50	0.20		Entering Pomona	1	35	curb	food, fuel
E 87	208.90	0.40				25		
E 88	209.10	0.20				40		
E 89	209.60	0.50		Continue to follow KS-268 West towards US-75 and Osage City		65	narrow paved	
E 90	218.00	8.40		Intersection with KS-368				
E 91	222.50	4.50	Turn right at the roundabout onto US-75 North towards Topeka		1	65	wide paved Red!	
E 92	222.80	0.30		Pass under small footbridge				
E 93	232.30	9.50		Interchange with US-56	2	70	paved/ gravel	
E 94	245.40	13.10		57th St Exit	2	70	wide paved	
E 95	247.60	2.20	Exit right with signs for I-470 East/I-335					
E 96	248.00	0.40	Keep right and exit on Exit 6 for Topeka Blvd - "LAST FREE EXIT"	DO NOT merge left and take the toll road				
E 97	248.80	0.80	Continue straight at the SL for Topeka Blvd at the bottom of the exit ramp	Stay in left lane after the SL - right lane is turn only at the next SL	2	40	curb	
E 98	249.30	0.50		SL for 37th St	1	35		
E 99	250.40	1.10		SL for 29th St	2	35	curb	
E 100	251.50	1.10		SL for 21st St				
E 101	252.00	0.50	Turn right at the SL for 17th St		1	30	curb	
E 102	252.10	0.10	Turn left onto Monroe Street; follow the directions of the checkpoint staff					

**Brown v Board Checkpoint – Topeka, KS – Checkpoint Detail**



Brown v Board Checkpoint – Topeka, KS – Location Overview



