

An aerial photograph of a multi-lane highway cutting through a dense forest. On the left side of the road, there is an active construction site. A large yellow crane is positioned on a dirt embankment, surrounded by construction materials like pipes and concrete blocks. Several white pickup trucks and a white van are parked or moving near the construction area. The highway itself has multiple lanes with traffic, including cars, trucks, and motorcycles. The surrounding landscape is lush with green trees, and some residential buildings are visible in the distance on the left.

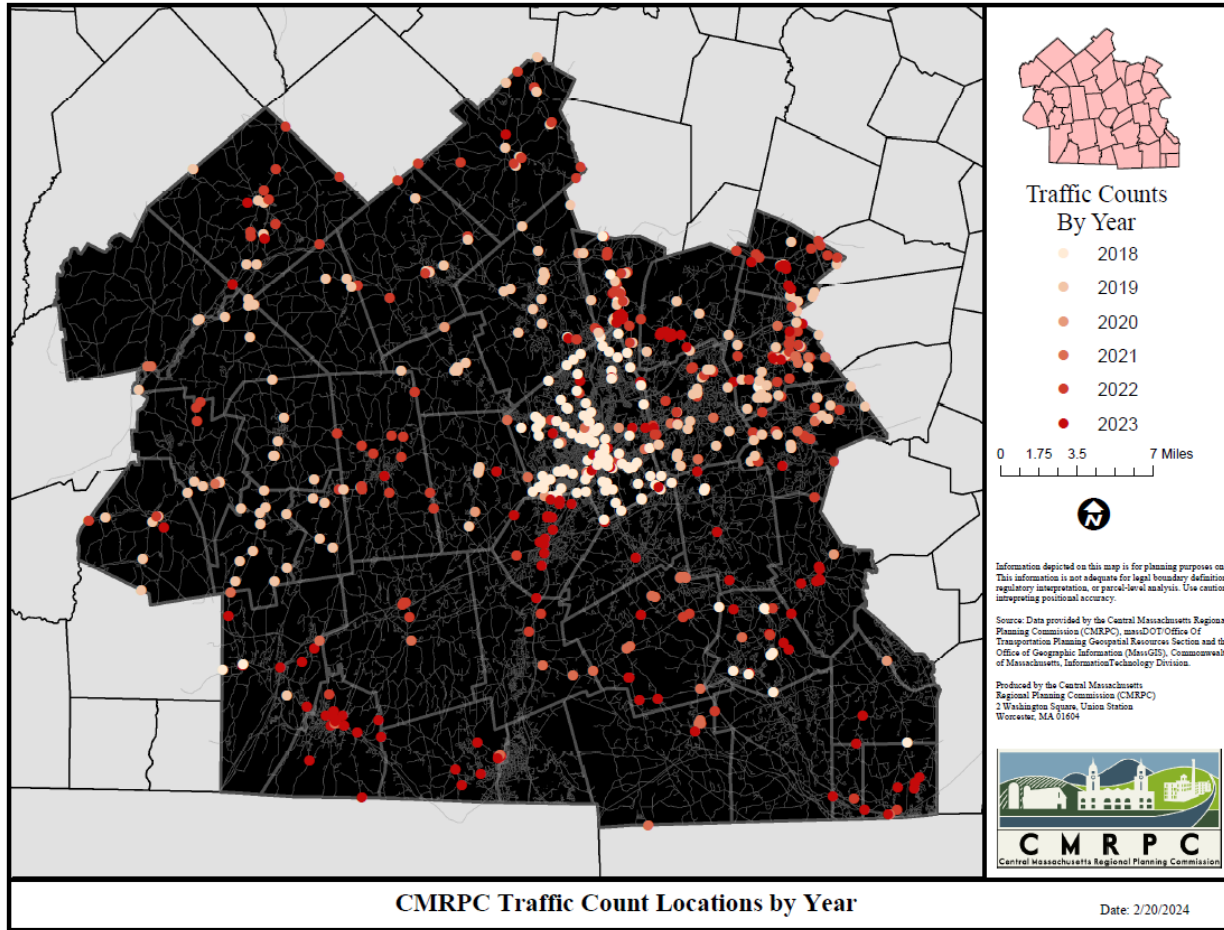
# Community Transportation Data/Project Services



# Transportation Data Services

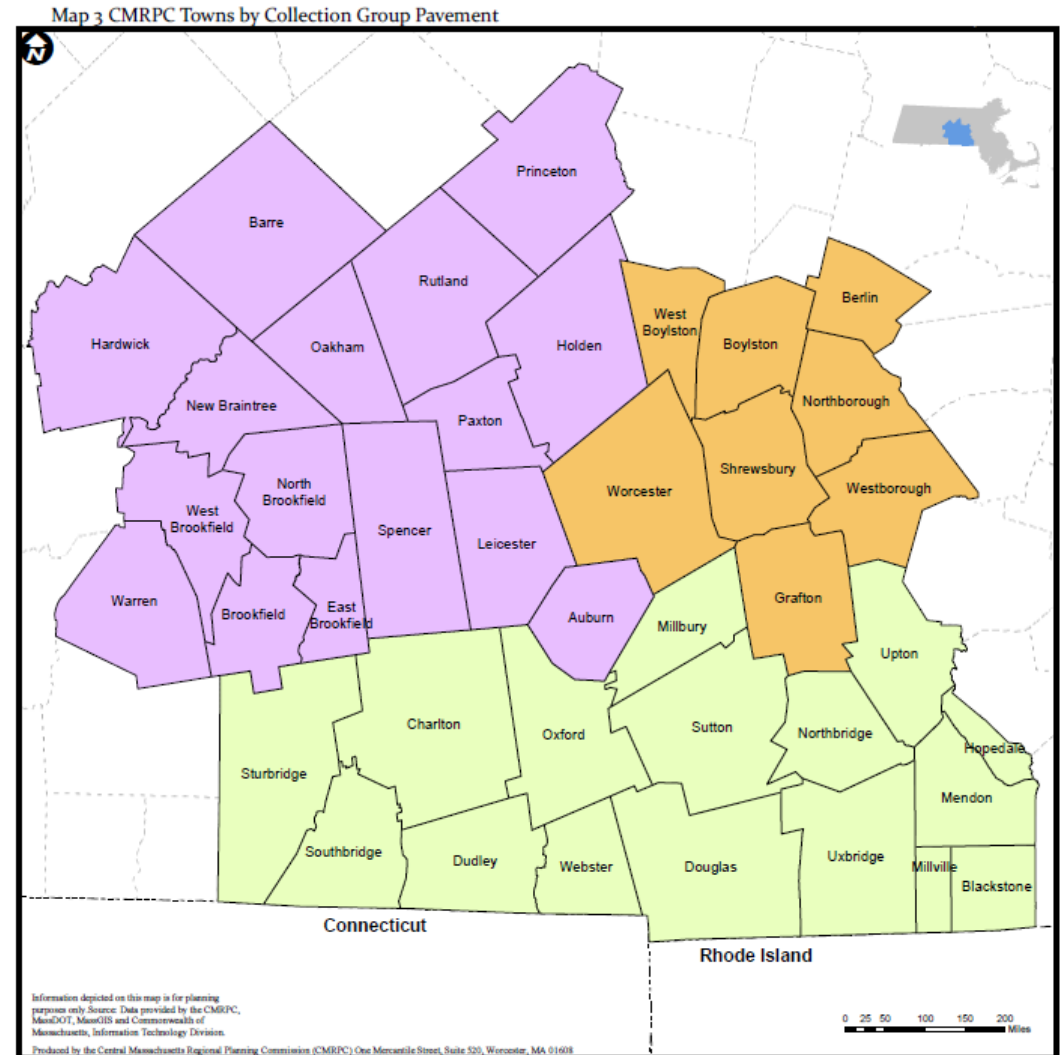
- Conducted to support MassDOT and MPO planning efforts
  - Traffic Counting
  - Pavement Management
  - Pedestrian Asset Inventory
    - Sidewalks
    - Curb Ramps
    - Crosswalks
    - Obstructions
  - Bike Rack Inventory

# Traffic Counting and Pavement Management

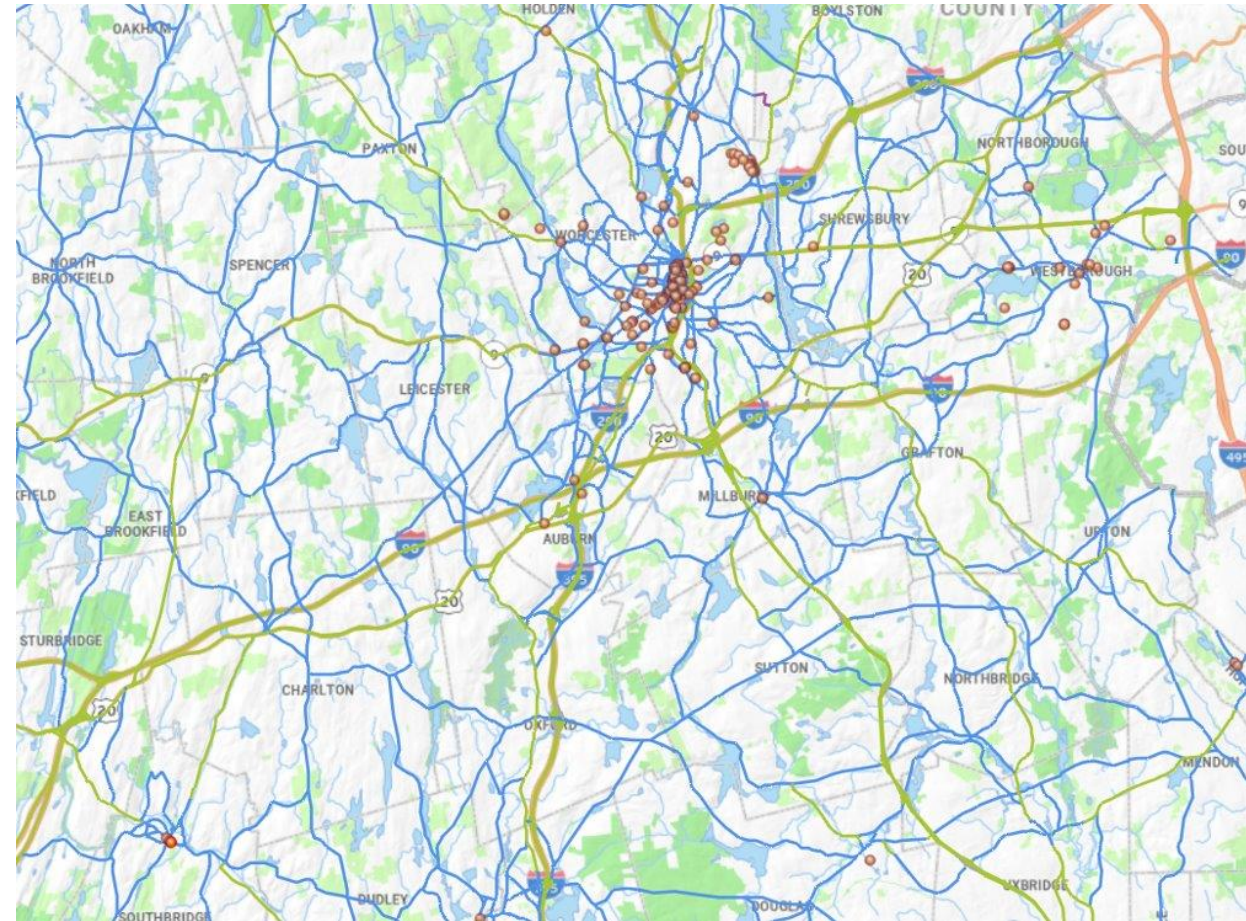
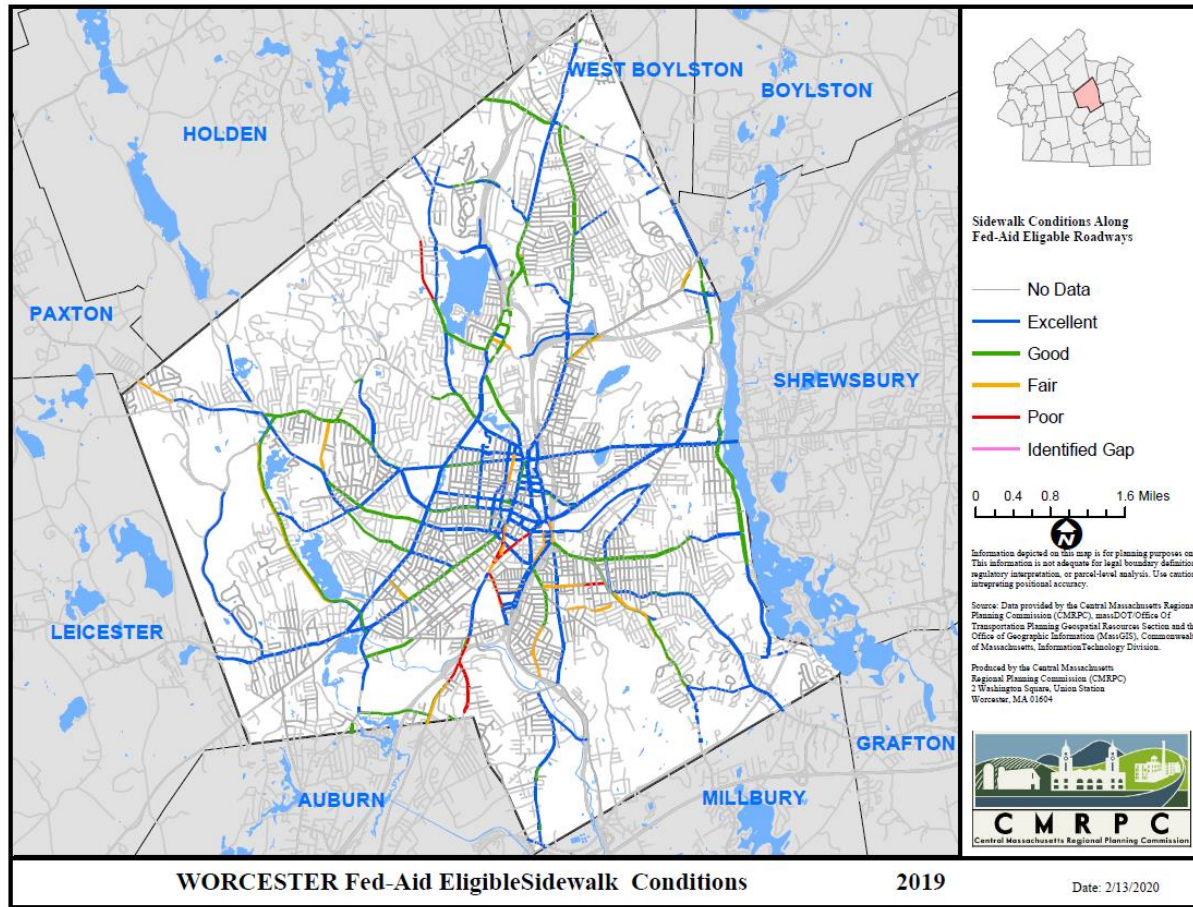


CMRPC Traffic Count Locations by Year

Date: 2/20/2024



# Pedestrian and Bike Rack Inventory

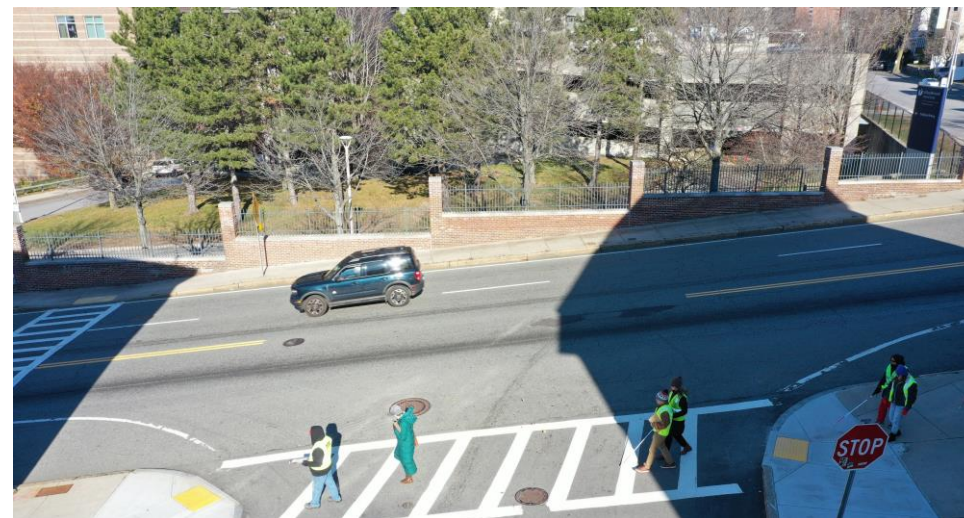
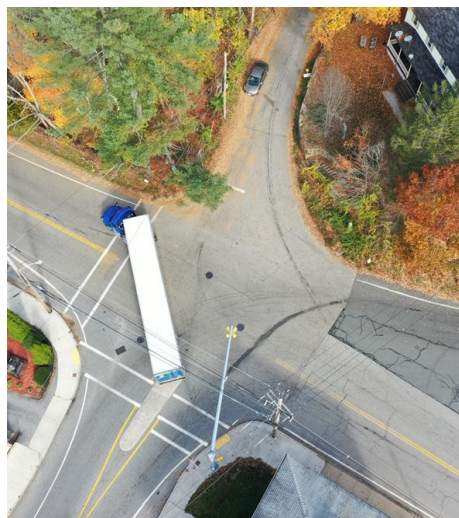


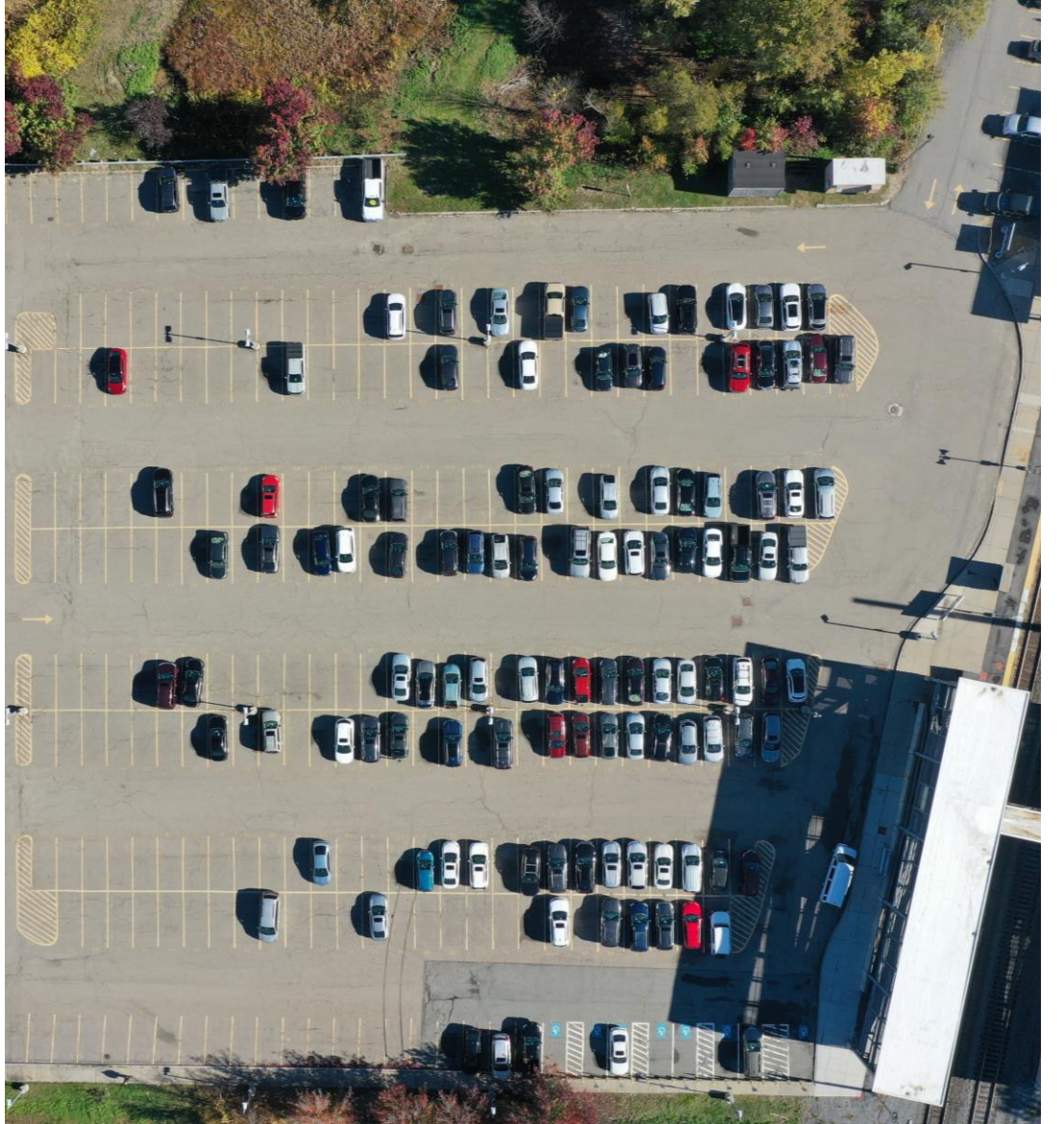
# Transportation Drone Services

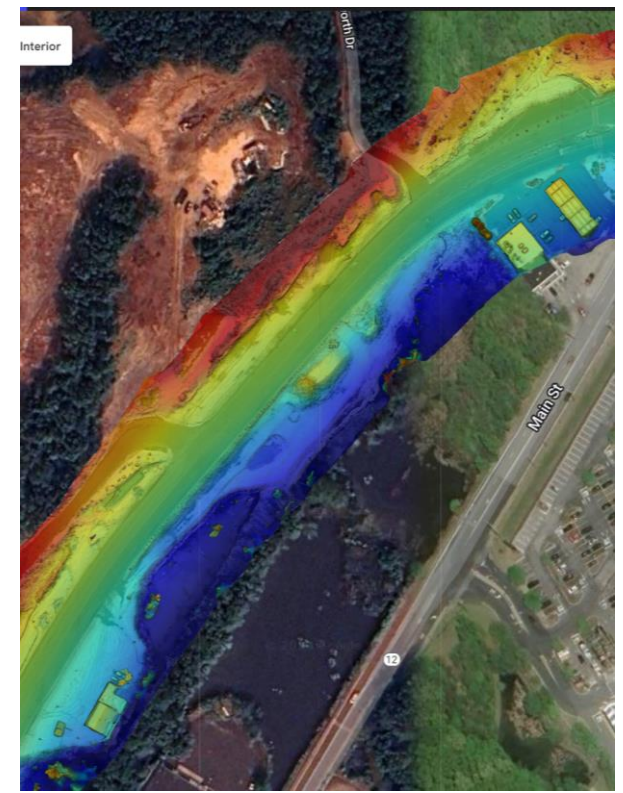
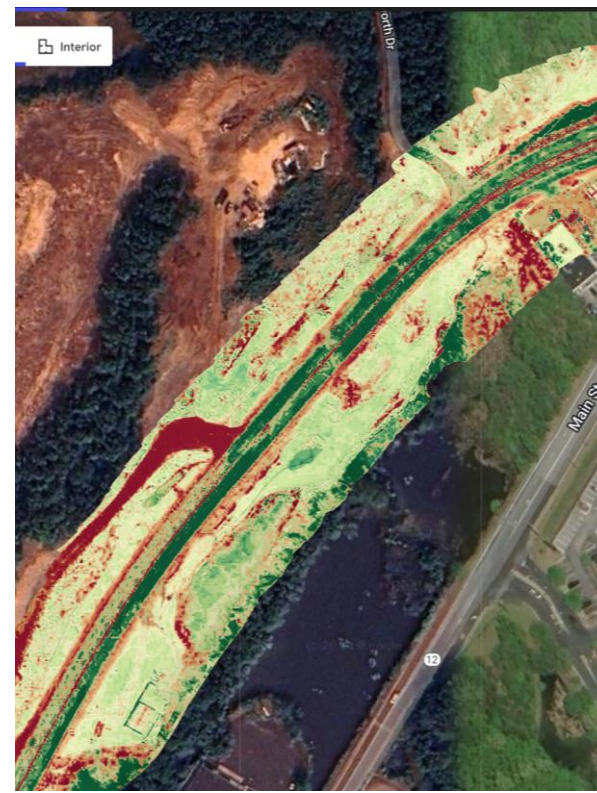
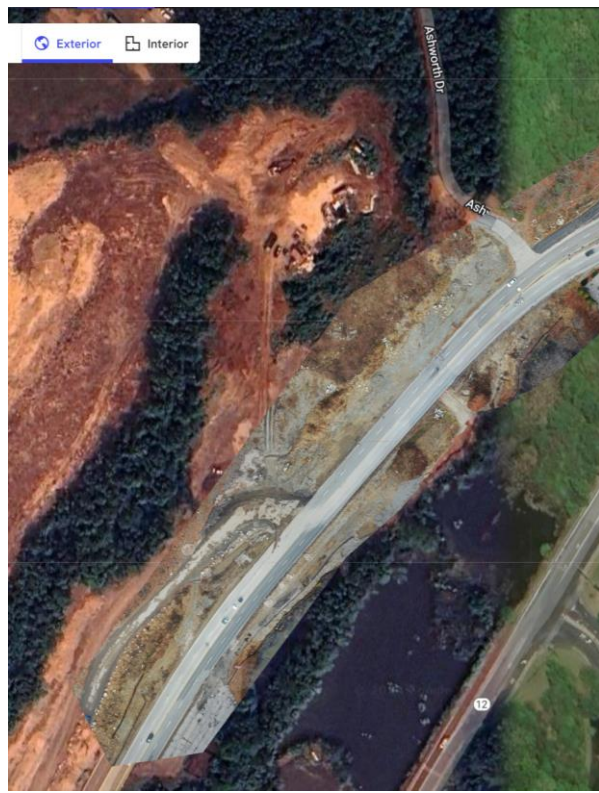
An aerial photograph of a multi-lane highway interchange. On the left side of the highway, there is a construction site with stacks of large concrete pipes, metal beams, and other materials. Several pieces of construction equipment, including a yellow excavator and a blue truck, are visible. The highway has several lanes with traffic, including a large white semi-truck and a smaller white truck. Green overhead signs are visible above the highway. The background shows a dense forest of green trees under a cloudy sky.

- Three FAA certified and licensed drone pilots
  - Several additional support staff
- One DJI Marvic 2 Pro Drone
- Mapping and analytics software to post process

# Arial Photography to Support Projects



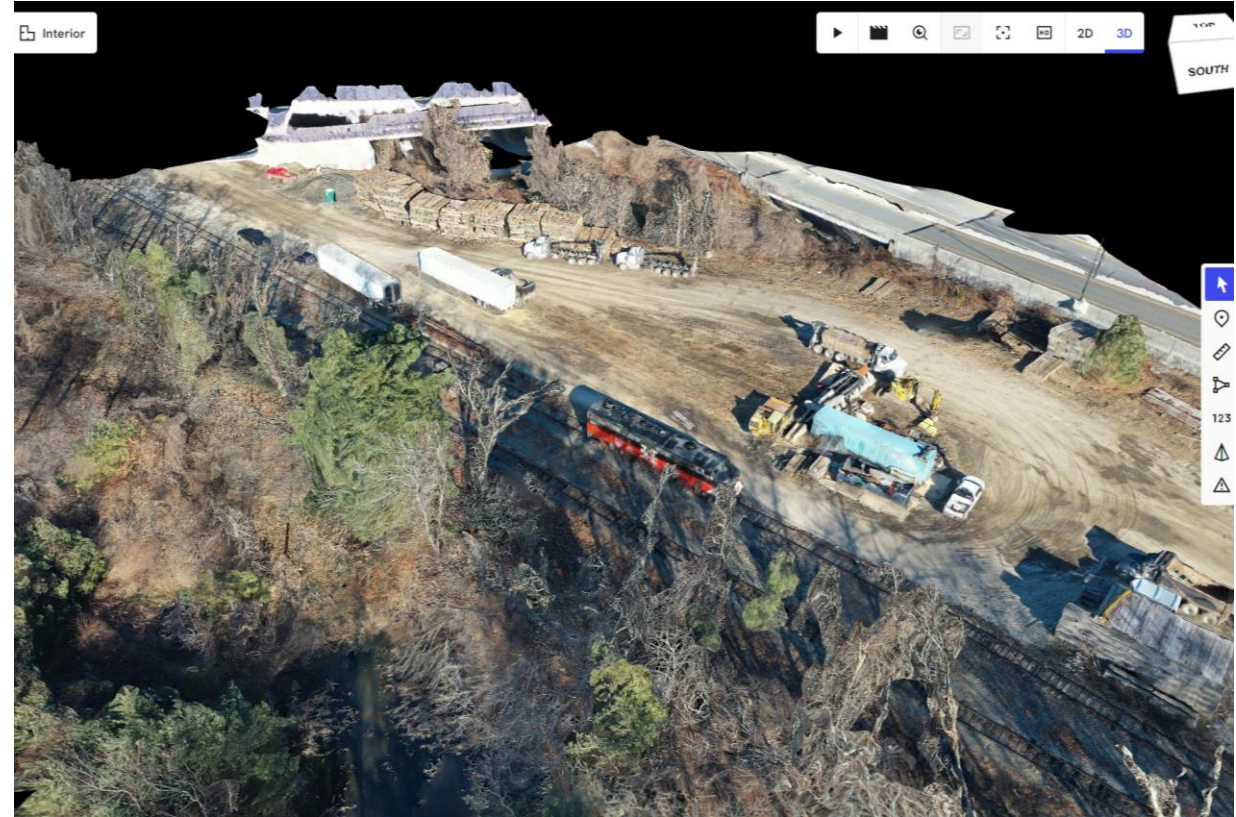




# Drone Image Analysis to Support Projects



# Blackstone Valley Right of Way and 3D Mapping

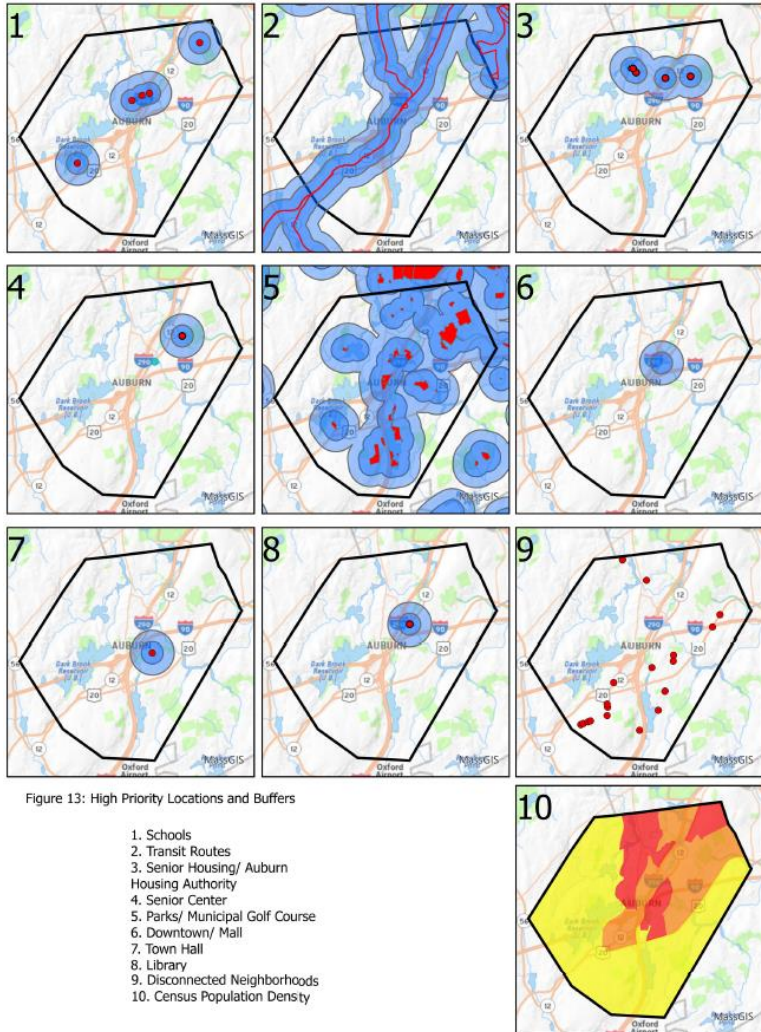


An aerial photograph of a multi-lane highway under construction. A yellow crane is positioned on a dirt embankment to the left of the road, with several concrete pillars and rebar structures visible. A white pickup truck and a white van are parked near the construction area. The highway has multiple lanes with traffic, including cars and a white van. The surrounding area is lush with green trees and some buildings are visible in the distance.

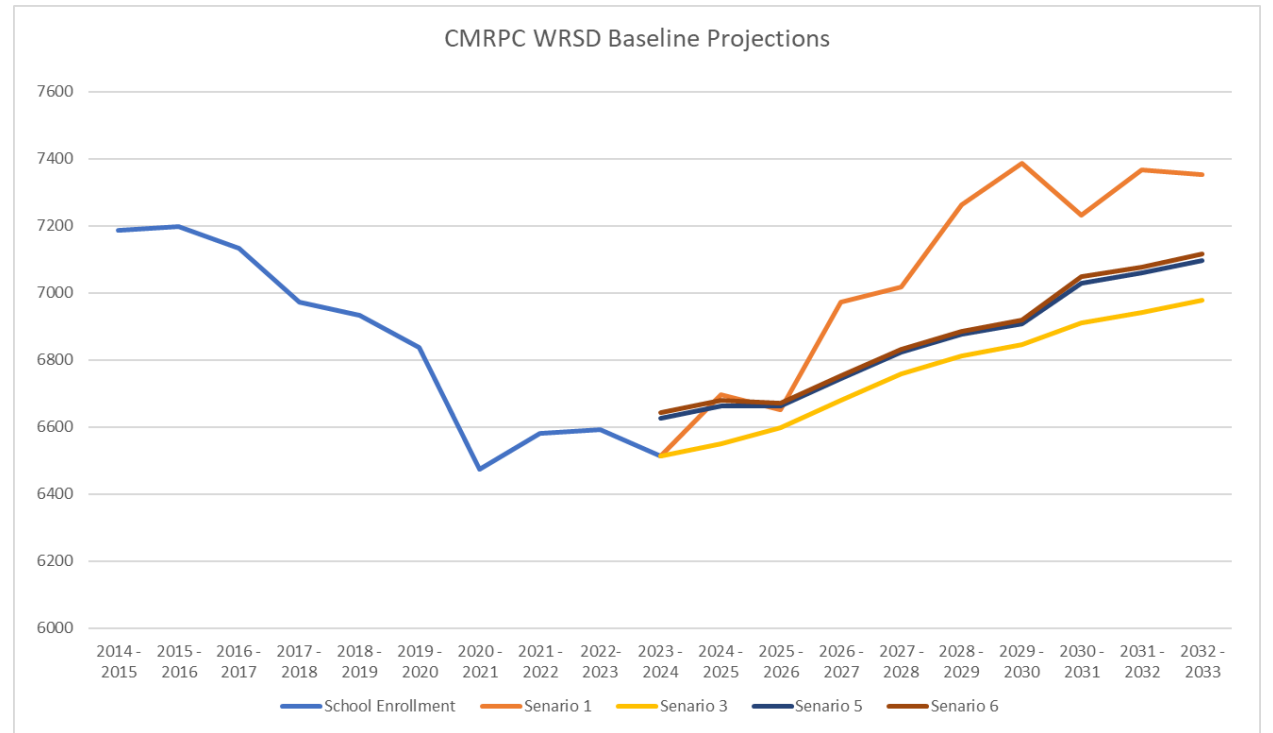
# Transportation Project Services

- Auburn Local Sidewalk Prioritization Plan
- Wachusett Regional School District Enrollment Projections
- Leicester Town Safety Concerns
- Central Turnpike & Sutton Ave Corridor Profile
- Master Plan Support
- Charlton – Stafford Street and Center Depot Road Local Assistance

# Auburn LSPP High Priority Areas

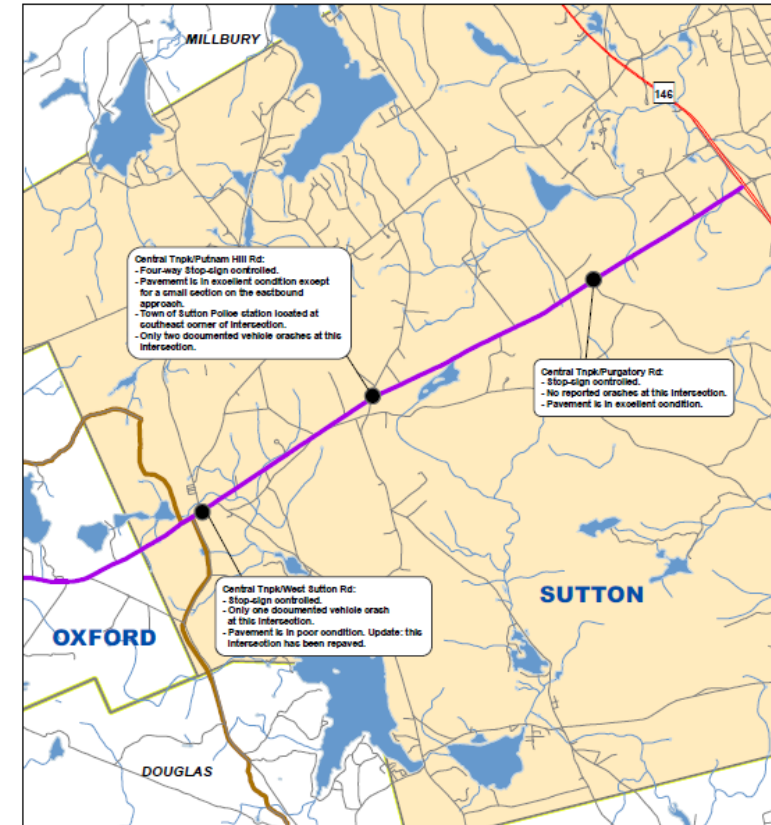
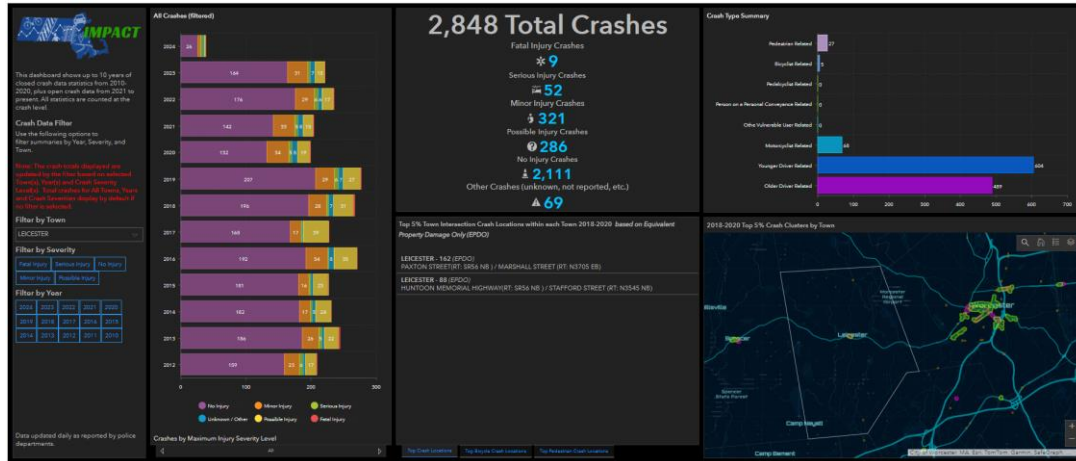


# WRSD Enrollment Projections



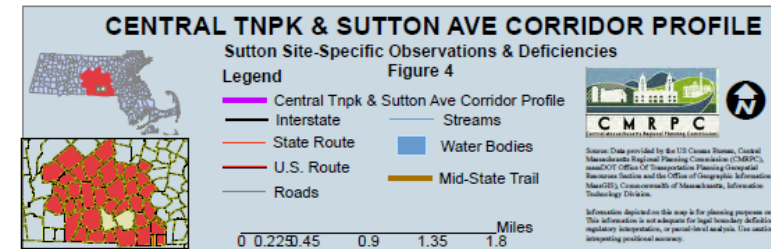
# Central TNPk & Sutton Ave Corridor Profile

## Leicester Town Safety Concerns



Town : Leicester  
 Street : Main Street  
 Location : Btwn Waite Street and Collier Avenue  
 Site: 2023298

Interval	Mon 10/30/2023		Tue 10/31/2023		Wed 11/1/2023		Thu 11/2/2023		Fri 11/3/2023		Sat 11/4/2023		Sun 11/5/2023		Mon - Fri Average	Weekly Average
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB		
12:00 AM	-	-	-	-	11	38	28	48	17	52	-	-	-	-	25.3	46.0
1:00 AM	-	-	-	-	15	16	18	26	20	27	-	-	-	-	17.7	23.0
2:00 AM	-	-	-	-	18	19	19	21	15	19	-	-	-	-	17.3	19.7
3:00 AM	-	-	-	-	32	13	35	22	29	29	-	-	-	-	32.0	16.3
4:00 AM	-	-	-	-	122	31	122	30	130	29	-	-	-	-	124.7	30.0
5:00 AM	-	-	-	-	301	92	308	86	273	85	-	-	-	-	294.0	87.7
6:00 AM	-	-	-	-	572	173	554	182	557	176	-	-	-	-	561.0	177.0
7:00 AM	-	-	-	-	638	224	638	204	661	211	-	-	-	-	645.7	213.0
8:00 AM	-	-	-	-	557	258	592	227	555	244	-	-	-	-	568.0	243.0
9:00 AM	-	-	-	-	404	270	412	316	439	281	-	-	-	-	418.3	289.0
10:00 AM	-	-	-	-	427	293	375	327	-	-	-	-	-	-	401.0	310.0
11:00 AM	-	-	-	-	387	327	409	334	-	-	-	-	-	-	398.0	330.5
12:00 PM	-	-	-	-	387	364	363	346	421	319	-	-	-	-	390.3	343.0
1:00 PM	-	-	-	-	404	356	421	351	365	324	-	-	-	-	396.7	343.7
2:00 PM	-	-	-	-	441	357	391	376	436	398	-	-	-	-	422.7	377.0
3:00 PM	-	-	-	-	444	461	420	475	471	429	-	-	-	-	445.0	455.0
4:00 PM	-	-	-	-	420	531	374	471	421	459	-	-	-	-	407.7	487.0
5:00 PM	-	-	-	-	326	509	354	494	417	511	-	-	-	-	365.7	504.7
6:00 PM	-	-	-	-	312	357	380	365	372	399	-	-	-	-	354.7	373.7
7:00 PM	-	-	-	-	286	317	242	346	253	312	-	-	-	-	260.3	325.0
8:00 PM	-	-	-	-	190	260	189	234	174	278	-	-	-	-	184.3	257.3
9:00 PM	-	-	-	-	139	224	120	230	149	218	-	-	-	-	136.0	224.3
10:00 PM	-	-	-	-	105	111	93	145	127	146	-	-	-	-	108.3	137.3
11:00 PM	-	-	-	-	74	95	71	86	59	103	-	-	-	-	68.0	94.7
Totals	0	0	3536	3952	6922	5673	7175	5720	2696	1138	0	0	0	0	7042.7	5707.8
Combined Spill (%)	-	-	74.88	52.8	55.0	45.0	55.6	44.4	70.3	29.7	-	-	-	-	55.2	44.8



Questions & Comments?