



Route 44 Corridor Study Canton, CT

October 16, 2023
2nd Transportation Advisory Committee Meeting

Existing Conditions Update



Route 44 Corridor Meeting Agenda

- Welcome and Introductions
- Existing Conditions Presentation
 - Summary
 - Findings
 - Issues Observed
 - Public Engagement
 - Public Survey
- Discussion
- Trail Project Status
- Next Steps
 - Public Information Meeting #1



Route 44 Corridor Future

- Multimodal transportation vision for future of corridor and new development
 - Design Village Districts - Form-based code
 - Compact, walkable development
 - Farmington River Trail
 - Improve access to public transportation
- Transform Route 44 to support this new vision



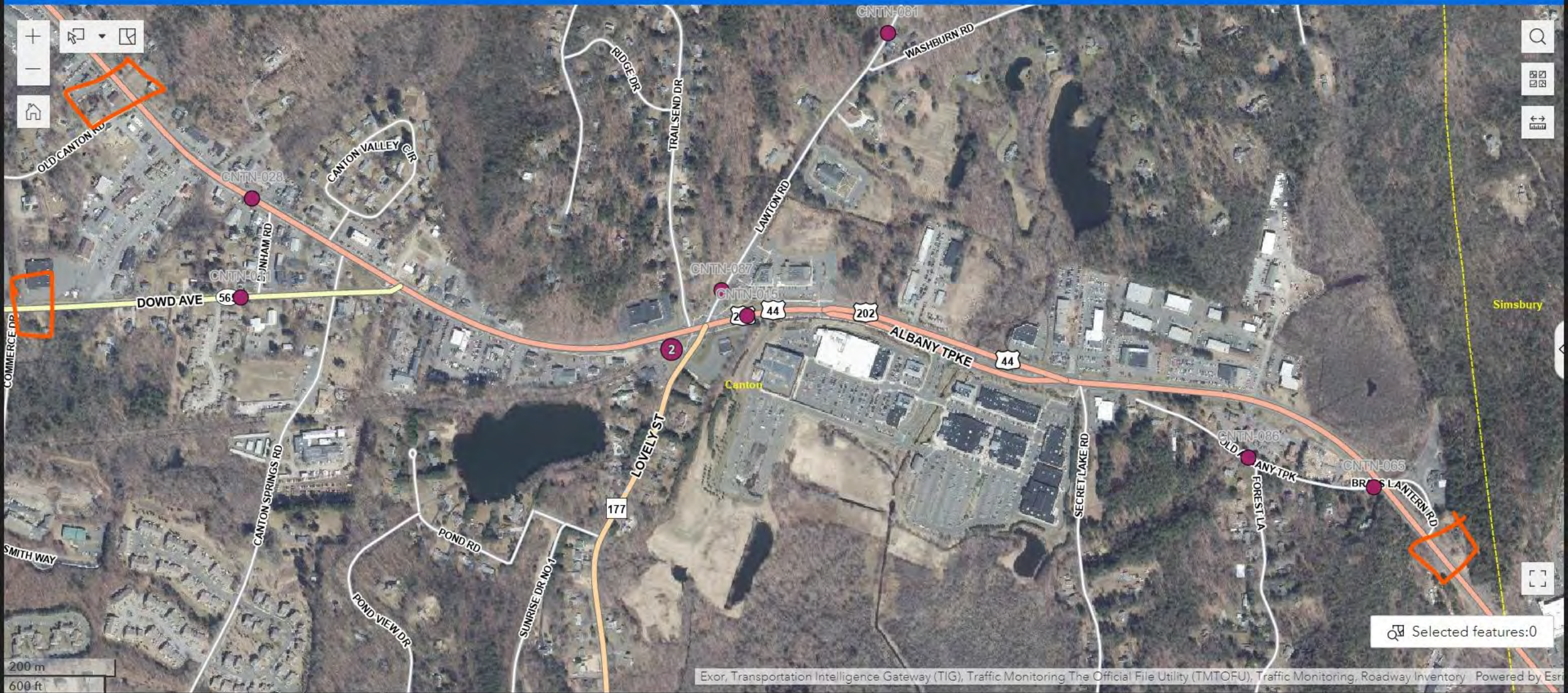
Traffic Observations

- High speeds and weaving movements
- Morning queues on Dowd Ave to turn right onto US-44; 15-20 vehicles long at times
- No left-turn lane from US-44 to Dowd Ave, drivers weaving around those stopped for left turn
- Typical traffic conditions for this type of corridor





Traffic Monitoring Station Viewer



Exor, Transportation Intelligence Gateway (TIG), Traffic Monitoring The Official File Utility (TMTOFU), Traffic Monitoring, Roadway Inventory Powered by Esri

Connecticut Counts LLC
Kensington, Connecticut 06037
(860) 828-1693

Route 44 West of Secret Lake Road
 Canton, Connecticut

Site Code:
 Station ID: 5929

Latitude: 0' 0.0000 Undefined

Start Time	09-Oct-23		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	Eastbound	Westbou	Eastbound	Westbou	Eastbound	Westbou	Eastbound	Westbou	Eastbound	Westbou	Eastbound	Westbou	Eastbound	Westbou	Eastbound	Westbou
12:00 AM	40	40	*	*	*	*	*	*	*	*	*	*	*	*	40	40
01:00	19	27	*	*	*	*	*	*	*	*	*	*	*	*	19	27
02:00	16	8	*	*	*	*	*	*	*	*	*	*	*	*	16	8
03:00	21	7	*	*	*	*	*	*	*	*	*	*	*	*	21	7
04:00	43	22	*	*	*	*	*	*	*	*	*	*	*	*	43	22
05:00	199	32	*	*	*	*	*	*	*	*	*	*	*	*	199	32
06:00	394	132	*	*	*	*	*	*	*	*	*	*	*	*	394	132
07:00	636	247	*	*	*	*	*	*	*	*	*	*	*	*	636	247
08:00	752	353	*	*	*	*	*	*	*	*	*	*	*	*	752	353
09:00	689	490	*	*	*	*	*	*	*	*	*	*	*	*	689	490
10:00	642	553	*	*	*	*	*	*	*	*	*	*	*	*	642	553
11:00	335	317	*	*	*	*	*	*	*	*	*	*	*	*	335	317
12:00 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lane	3786	2228	0	0	0	0	0	0	0	0	0	0	0	0	3786	2228
Day	6014		0		0		0		0		0		0		6014	
AM Peak	08:00	10:00	-	-	-	-	-	-	-	-	-	-	-	-	08:00	10:00
Vol.	752	553	-	-	-	-	-	-	-	-	-	-	-	-	752	553
PM Peak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vol.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Comb. Total	19474	22878	22634	19894	18234	17006	16199	25630
ADT	ADT 20,910	AADT 20,910						

Route 44 West of Secret Lake Road
Canton, Connecticut

Westbound

Start Time	1	16	21	26	31	3
Time	15	20	25	30	35	4
10/09/23	1	1	0	4	12	1
01:00	0	1	1	4	11	
02:00	0	0	0	3	2	
03:00	0	0	0	1	5	
04:00	0	1	0	6	5	
05:00	0	0	0	4	10	
06:00	0	4	16	20	36	3
07:00	1	15	55	35	50	5
08:00	0	21	92	50	85	7
09:00	4	33	145	123	108	6
10:00	1	38	178	151	109	6
11:00	3	19	116	80	80	1
12 PM	*	*	*	*	*	
13:00	*	*	*	*	*	
14:00	*	*	*	*	*	
15:00	*	*	*	*	*	
16:00	*	*	*	*	*	
17:00	*	*	*	*	*	
18:00	*	*	*	*	*	
19:00	*	*	*	*	*	
20:00	*	*	*	*	*	
21:00	*	*	*	*	*	
22:00	*	*	*	*	*	
23:00	*	*	*	*	*	
Total	10	133	603	481	513	35
Percent	0.4%	6.0%	27.1%	21.6%	23.0%	15.9%
AM Peak	09:00	10:00	10:00	10:00	10:00	08:00
Vol.	4	38	178	151	109	7
PM Peak						
Vol.						
Total	430	4010	11766	17695	14024	966
Percent	0.6%	6.0%	17.5%	26.4%	20.9%	14.4%

15th Percentile : 22 MPH
 50th Percentile : 29 MPH
 85th Percentile : 39 MPH
 95th Percentile : 44 MPH

Route 44 West of Secret Lake Road
Canton, Connecticut

Connecticut Counts LLC
Kensington, Connecticut 06037
(860) 828-1693

Eastbound

Start Time	1	16	21	26	31	36	41	46	51	56	61
Time	15	20	25	30	35	40	45	50	55	60	65
10/09/23	0	0	0	0	3	7	14	10	3	2	1
01:00	0	0	0	1	3	6	5	2	1	0	0
02:00	0	0	0	0	5	7	3	0	1	0	0
03:00	0	0	0	2	1	5	5	2	4	1	1
04:00	0	0	0	1	0	5	7	16	5	5	3
05:00	0	0	0	0	1	3	6	61	74	37	13
06:00	1	15	7	9	16	19	64	97	89	58	13
07:00	4	14	11	24	38	75	151	158	93	53	14
08:00	0	12	24	50	72	120	210	162	77	21	4
09:00	8	12	34	64	84	139	149	125	56	15	3
10:00	14	17	47	83	129	157	113	56	22	4	0
11:00	7	16	26	53	70	83	48	29	3	0	0
12 PM	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*
Total	34	86	149	287	422	626	775	718	428	196	52
Percent	0.9%	2.3%	3.9%	7.6%	11.1%	16.5%	20.5%	19.0%	11.3%	5.2%	1.4%
AM Peak	10:00	10:00	10:00	10:00	10:00	10:00	08:00	08:00	07:00	06:00	07:00
Vol.	14	17	47	83	129	157	210	162	93	58	14
PM Peak											
Vol.											
Total	801	2433	5219	6670	8348	14635	15586	9479	4208	1373	361
Percent	1.2%	3.5%	7.5%	9.6%	12.1%	21.1%	22.5%	13.7%	6.1%	2.0%	0.5%

15th Percentile : 26 MPH
 50th Percentile : 38 MPH
 85th Percentile : 47 MPH

Route 44 at Lovely/Trailsend/Lawton - TMC

Thu Jun 8, 2023

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

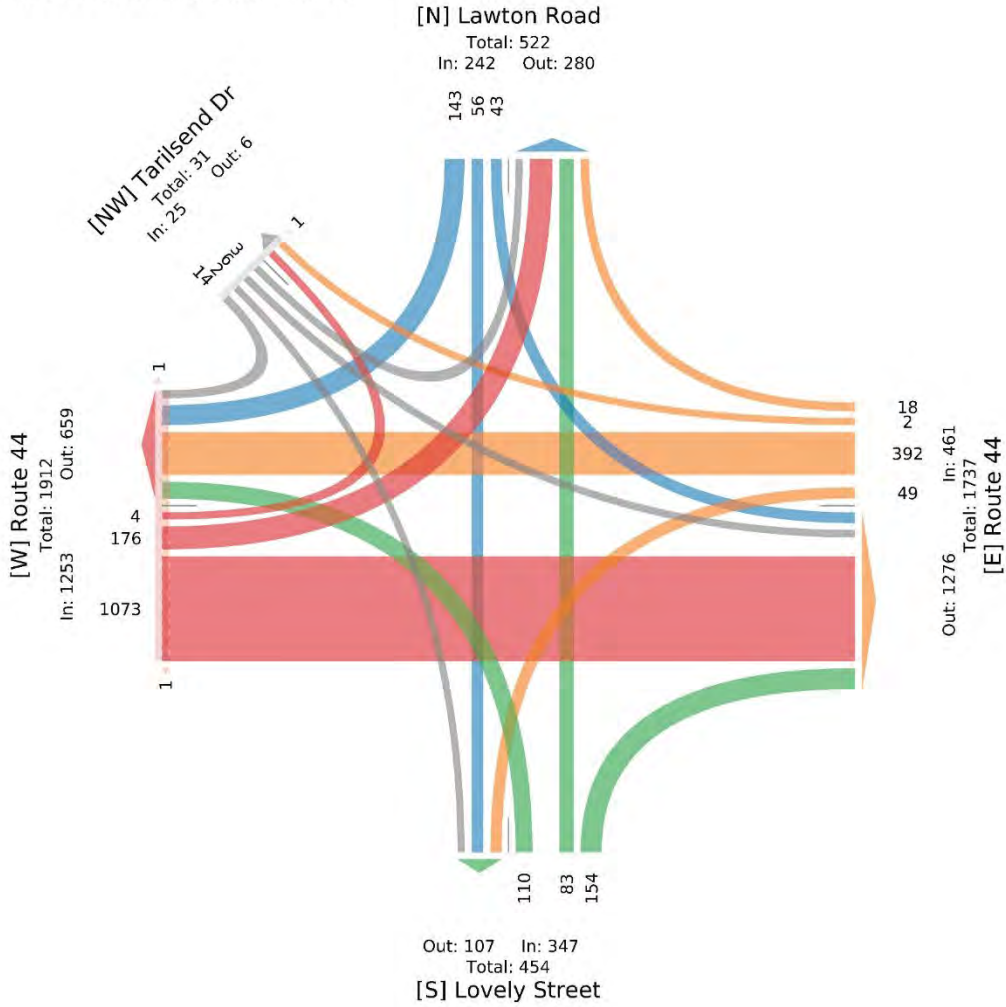
All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians, Bicycles on Crosswalk)

All Movements

ID: 1092404, Location: 41.823949, -72.887559

Provided by: Connecticut Counts LLC

63 Sugar Maple Lane,
Kensington, CT, 12345, US



Route 44 at Lovely/Trailsend/Lawton - TMC

Thu Jun 8, 2023

PM Peak (4:30 PM - 5:30 PM) - Overall Peak Hour

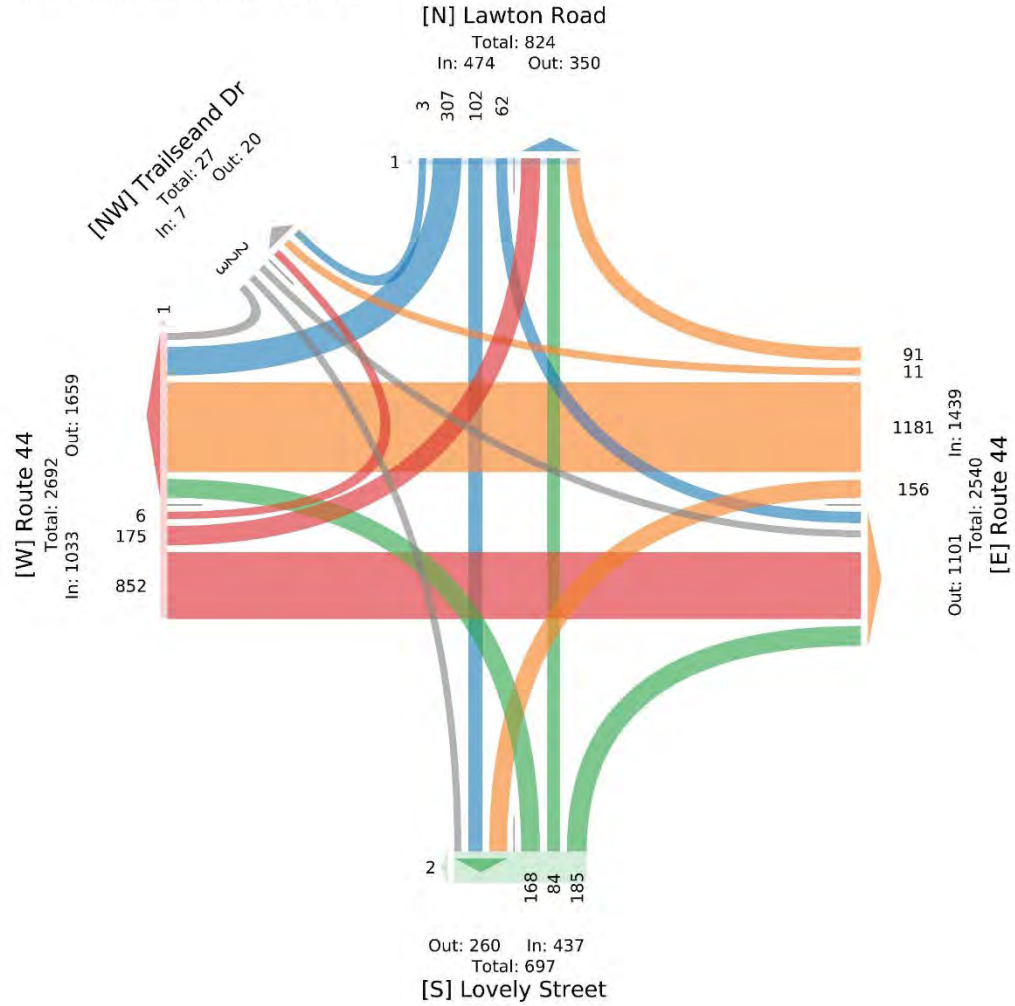
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All Movements

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Provided by: Connecticut Counts LLC

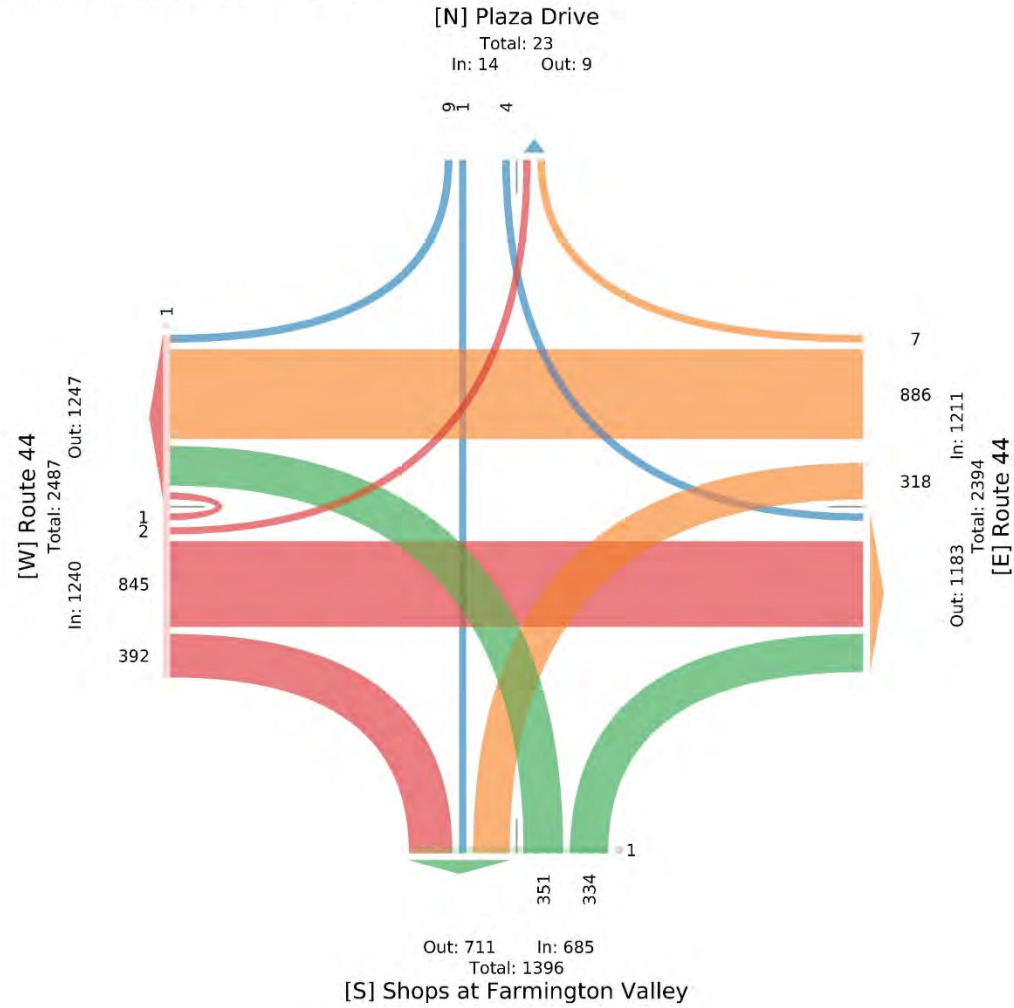
63 Sugar Maple Lane,
Kensington, CT, 12345, US



Route 44 at Shops at Farmington Valley - TMC

Sat Jun 10, 2023
 Midday Peak (WKND) (11:45 AM - 12:45 PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians, Bicycles on Crosswalk)
 All Movements
 ID: 1092418, Location: 41.823653, -72.882434

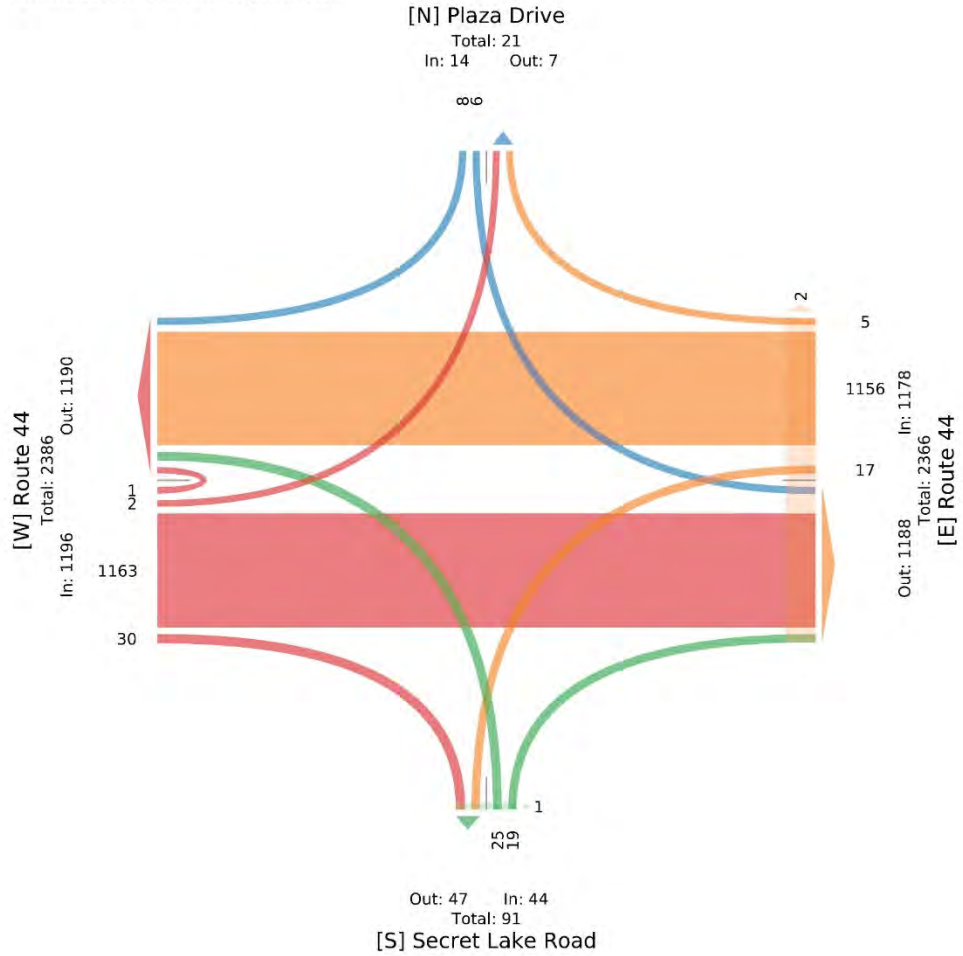
Provided by: Connecticut Counts LLC
 63 Sugar Maple Lane,
 Kensington, CT, 12345, US



Route 44 at Secret Lake Road - TMC

Sat Jun 10, 2023
 Midday Peak (WKND) (11:45 AM - 12:45 PM) - Overall Peak Hour
 All Classes (Lights, Articulated Trucks and Single-Unit Trucks, Buses, Pedestrians, Bicycles on Crosswalk)
 All Movements
 ID: 1092495, Location: 41.823104, -72.879655

Provided by: Connecticut Counts LLC
 63 Sugar Maple Lane,
 Kensington, CT, 12345, US

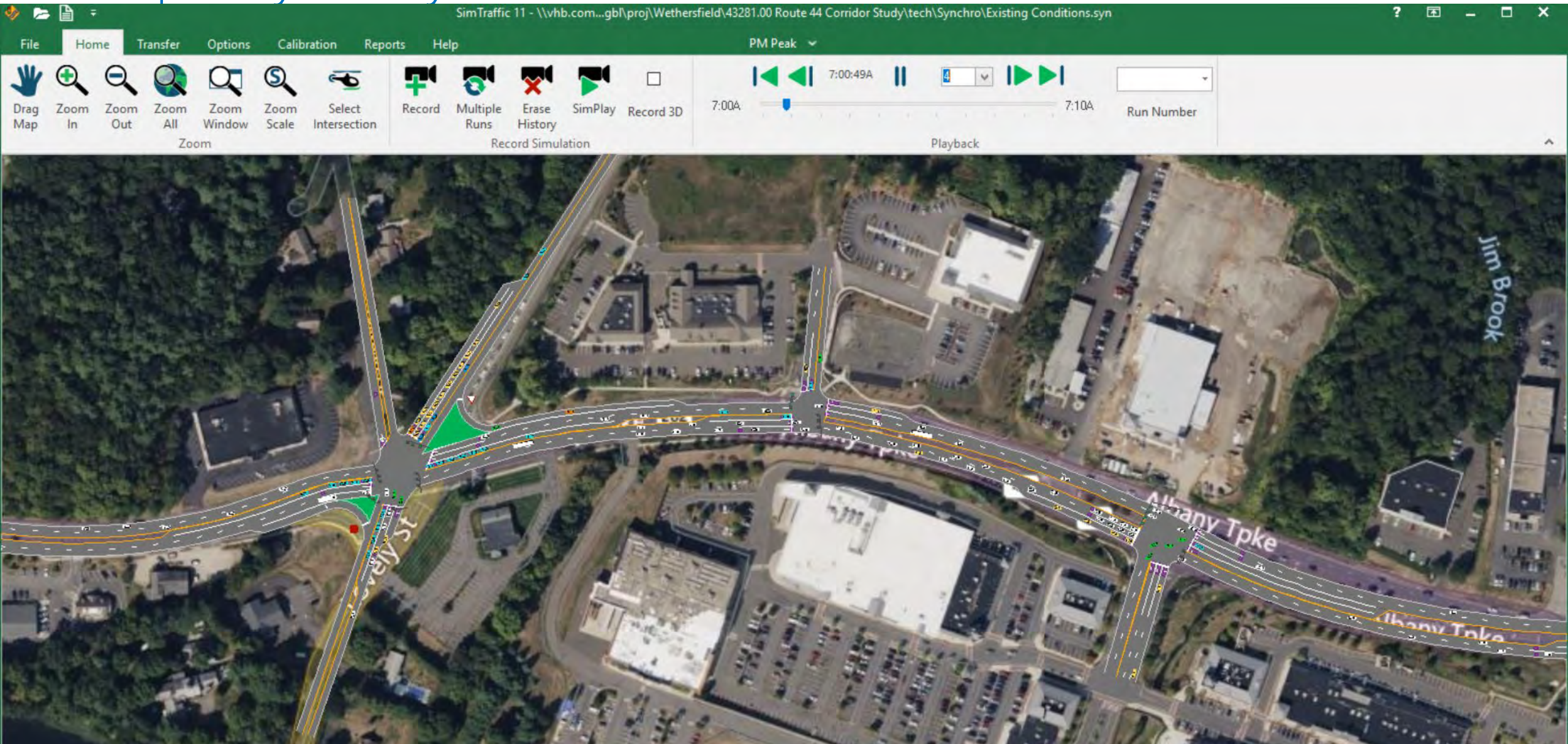


Capacity Analyses

- Evaluate existing conditions and various alternatives
- Study Area:
 - 6 Signalized Intersections
 - Other key locations affected by improvement alternatives
- Synchro Software
 - Industry standard for analysis of signalized intersections
 - Less effective for analyzing:
 - Roundabouts
 - Intersections with complex geometry
 - Interactions between signalized and unsignalized intersections

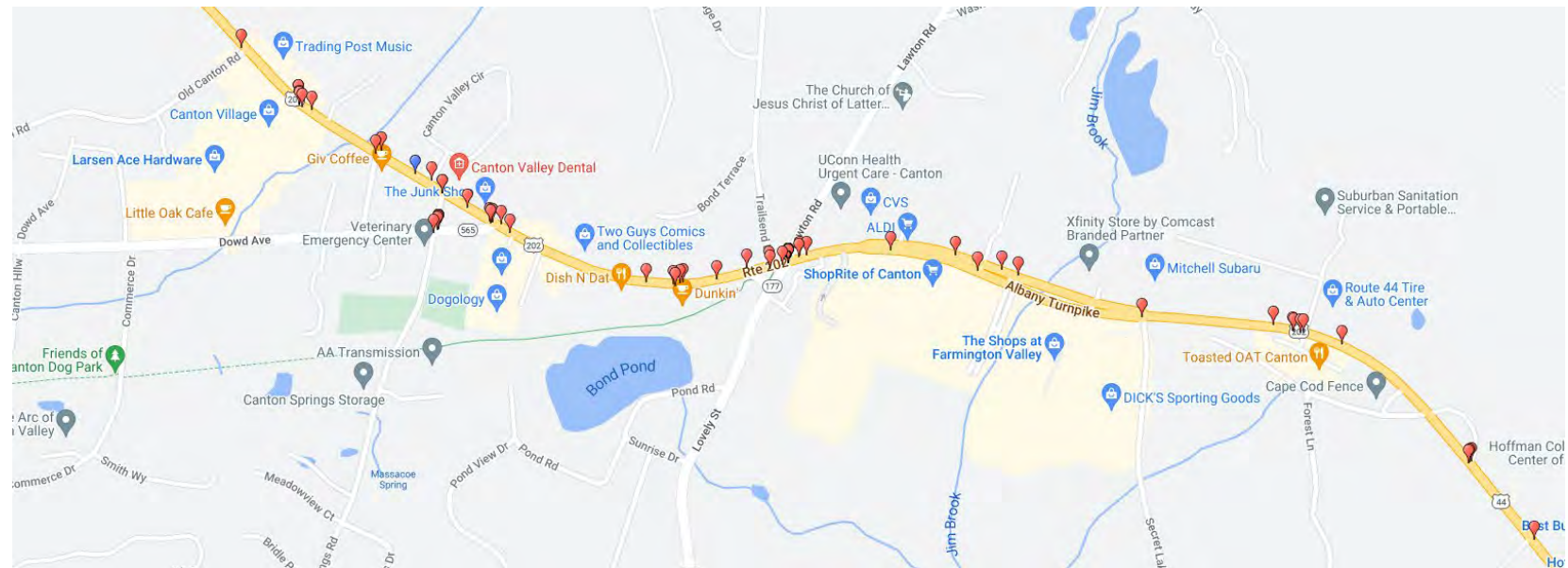
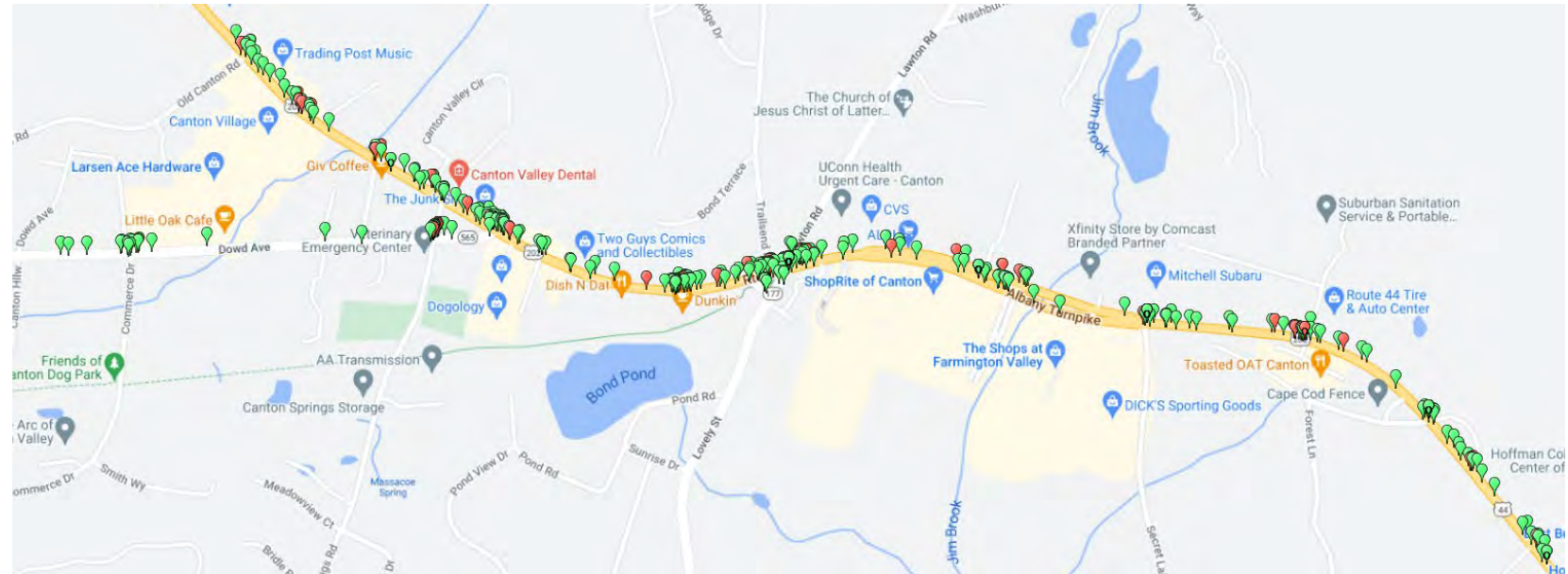


Capacity Analyses - Results



Safety

- Connecticut Crash Data Repository Data (2018-2022)
 - **376 crashes** on Route 44 and Dowd Avenue
 - 55% intersections
 - 20% angle
 - 48% rear end
 - **67 fatal and injury** crashes
 - 63% at intersections
 - 43% angle
 - 36% rear end
 - **1 fatality** on Route 44 (Pedestrian in 2018) just west of Canton Valley Circle



Pedestrians and Bicyclists

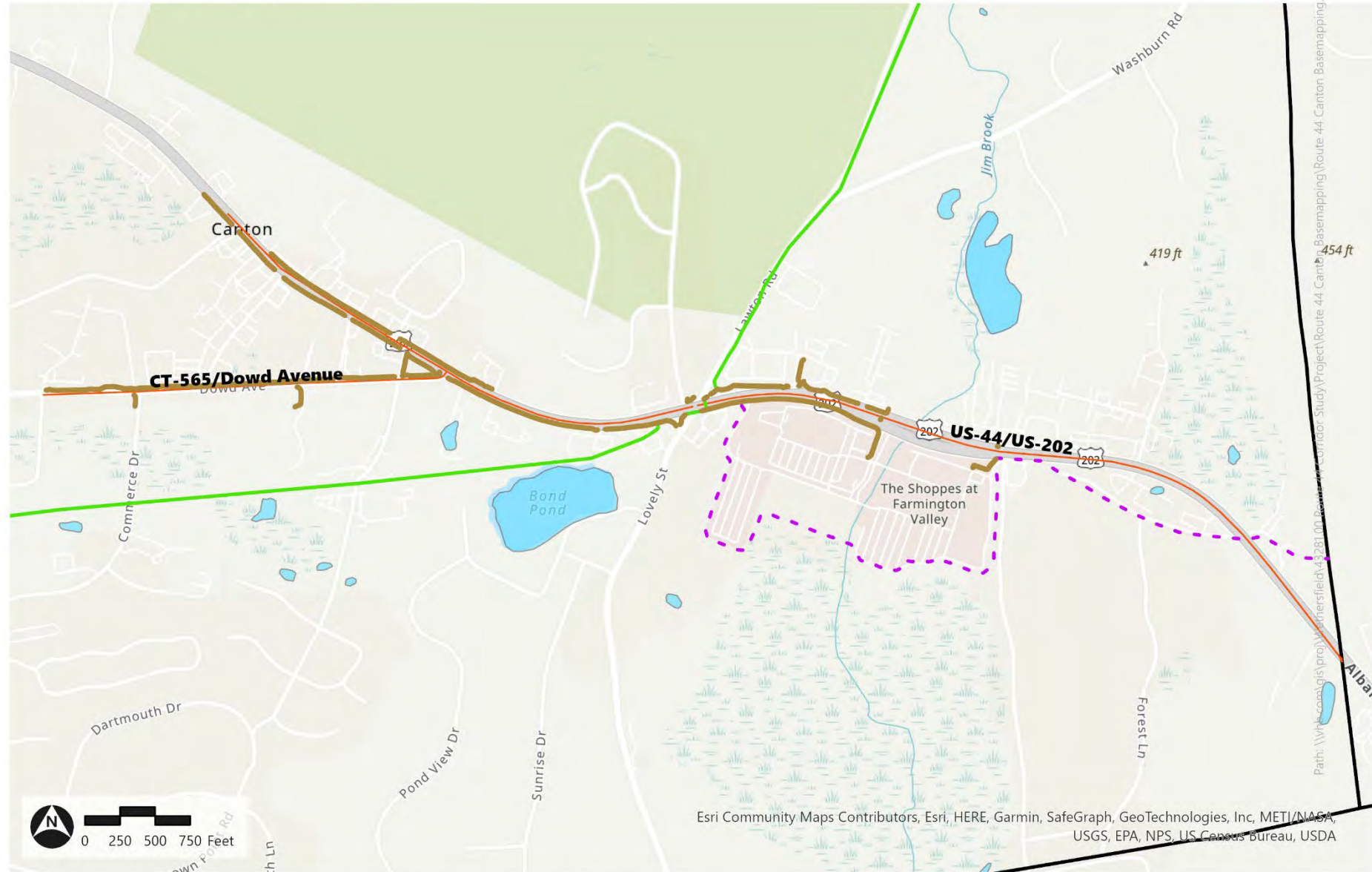


Observations: Pedestrians and Bicyclists

- Low pedestrian activity along US-44 & Dowd Ave, higher in Shops at Farmington Valley
- Observed person walking in the shoulder of US-44 from Avon west through Canton
- RRFBs assist with crossing Dowd Ave
- Limited activity on Farmington River Trail on this weekday; one bicyclist
- Canton Village Shops has no defined pedestrian path from US-44 to Dowd Ave
- US-44 between Canton Village Shops and Lovely St – some sidewalk in poor condition, lack of grass strip buffer in some areas



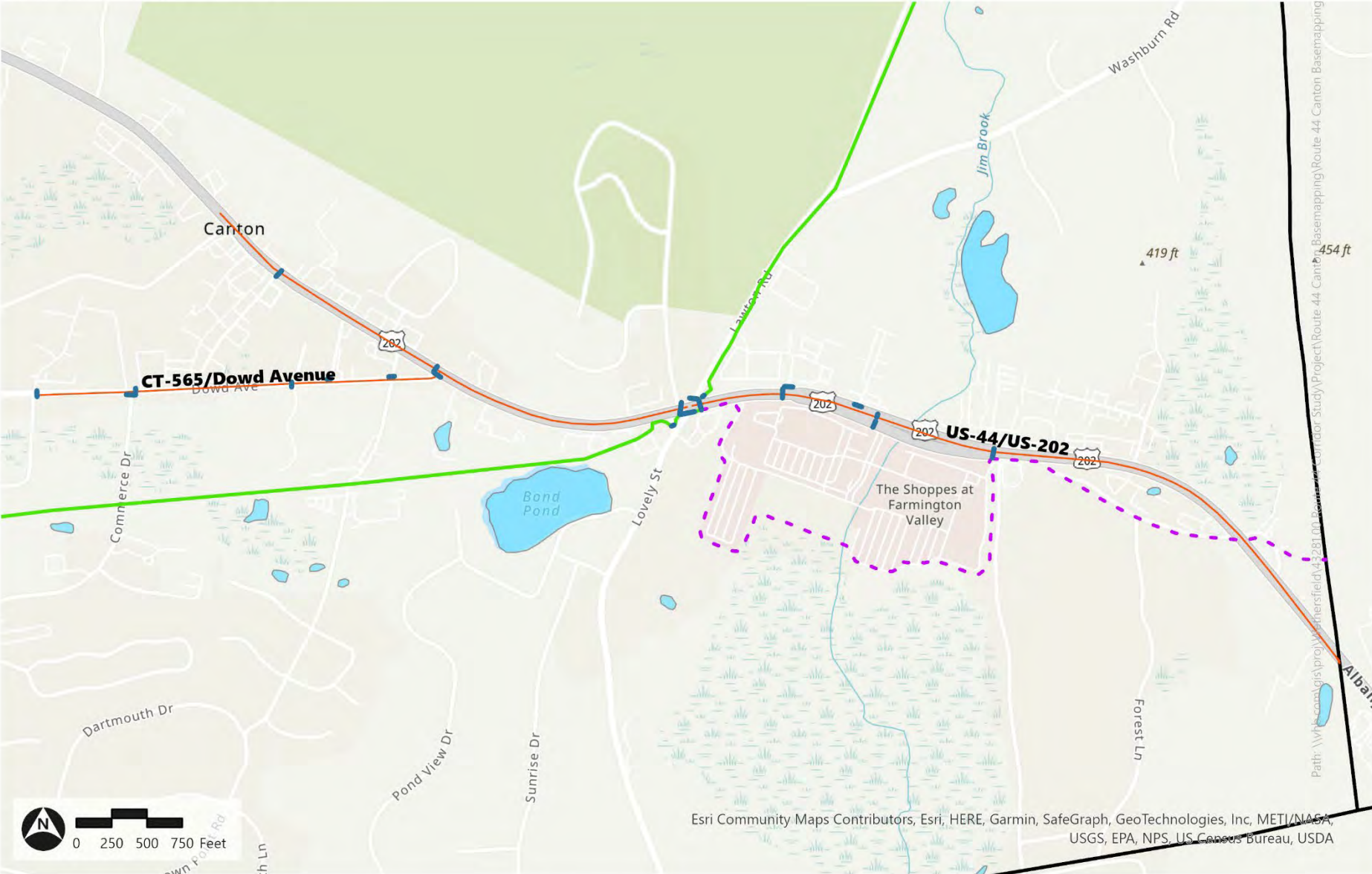
Pedestrian Infrastructure: Sidewalks



- US-44 Canton Study Area Roadways
- Farmington River Trail
- Water Bodies
- Farmington River Trail Proposed Extension
- Town Line
- Existing Sidewalks

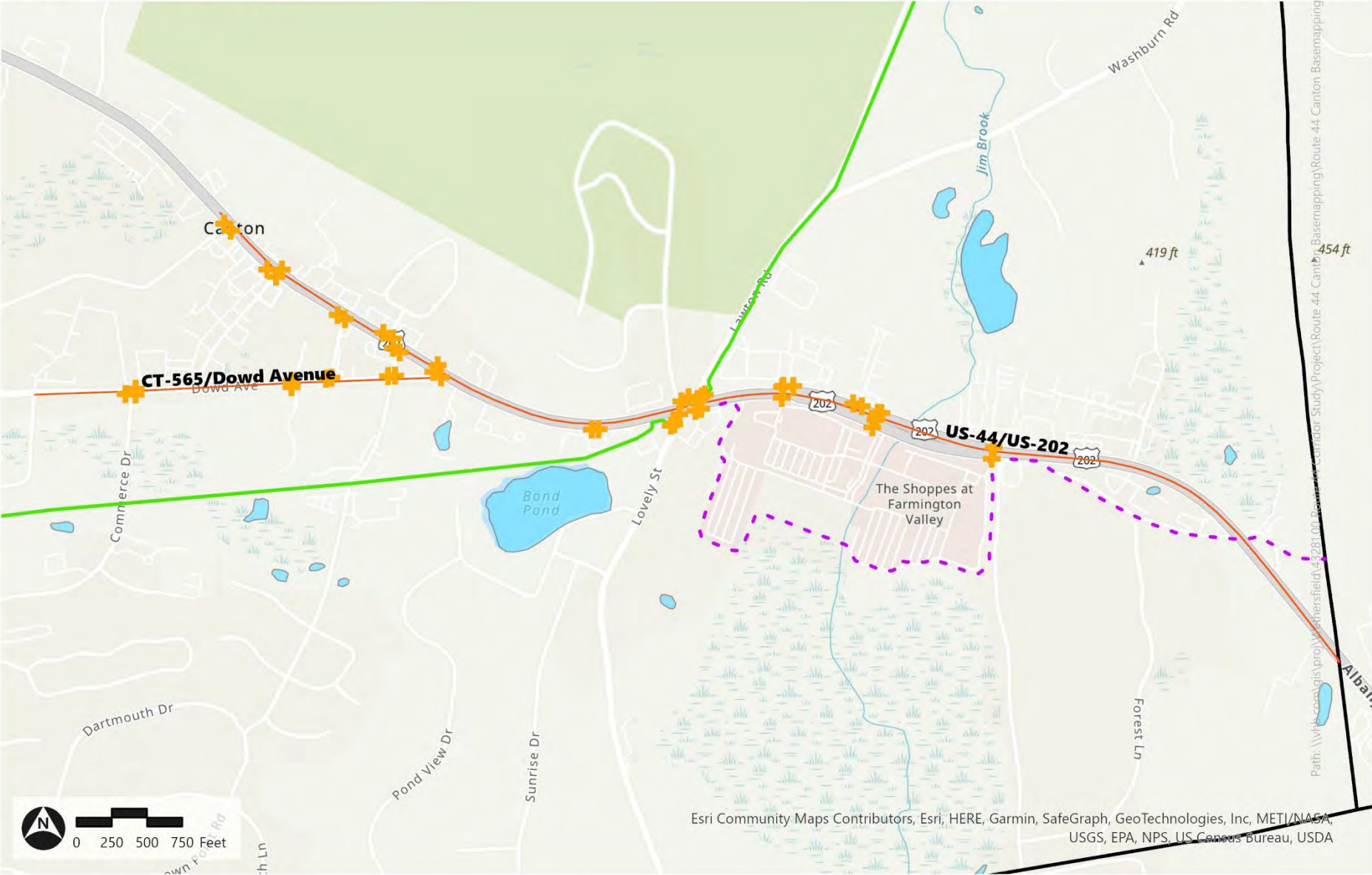
Esri Community Maps Contributors, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Pedestrian Infrastructure: Crosswalks



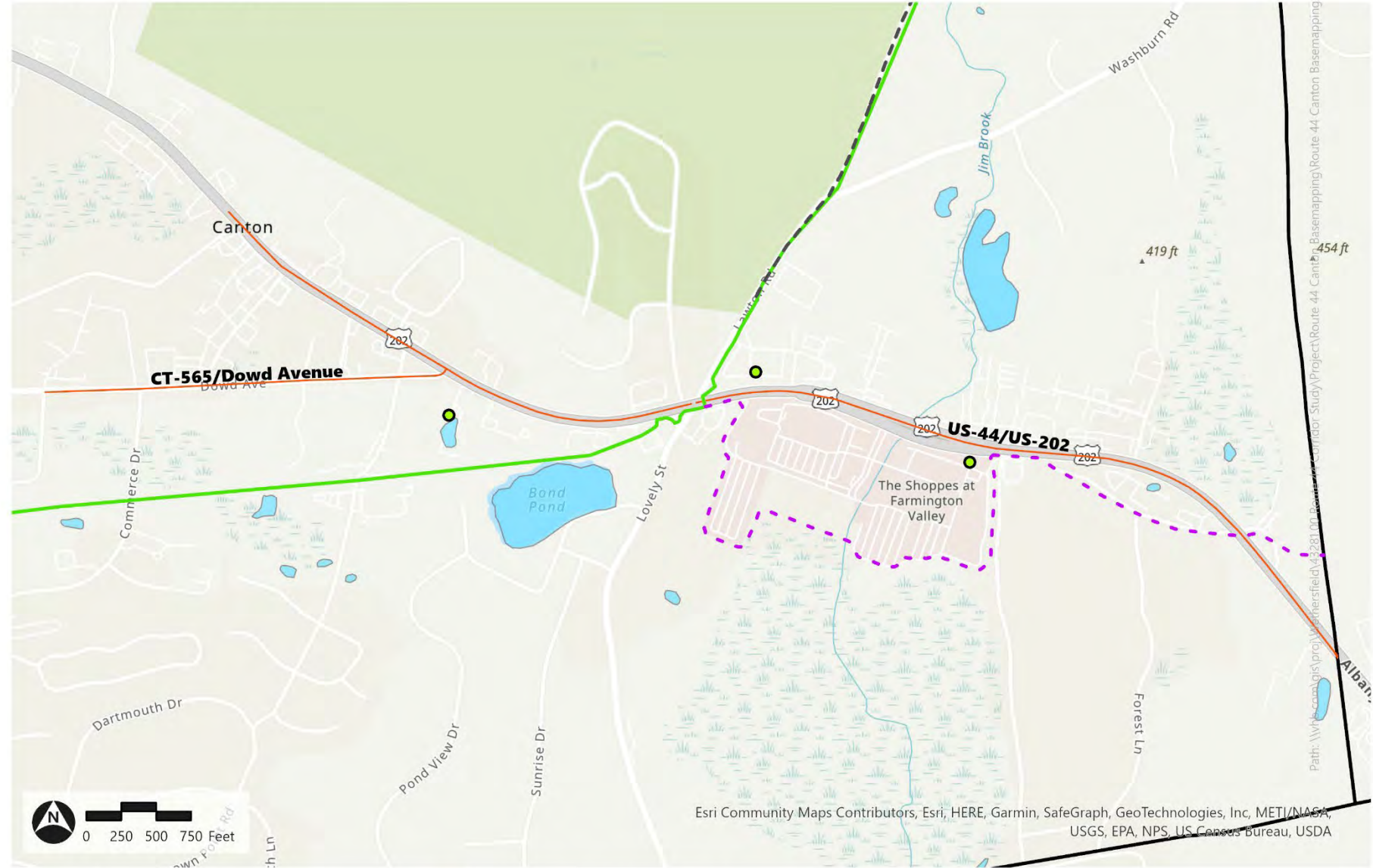
- US-44 Canton Study Area Roadways
- Water Bodies
- Town Line
- Farmington River Trail
- Farmington River Trail Proposed Extension
- Existing Crosswalks

Pedestrian Infrastructure: Curb Ramps



- US-44 Canton Study Area Roadways
- Farmington River Trail
- Water Bodies
- - - Farmington River Trail Proposed Extension
- Town Line
- + Existing Curb Ramps

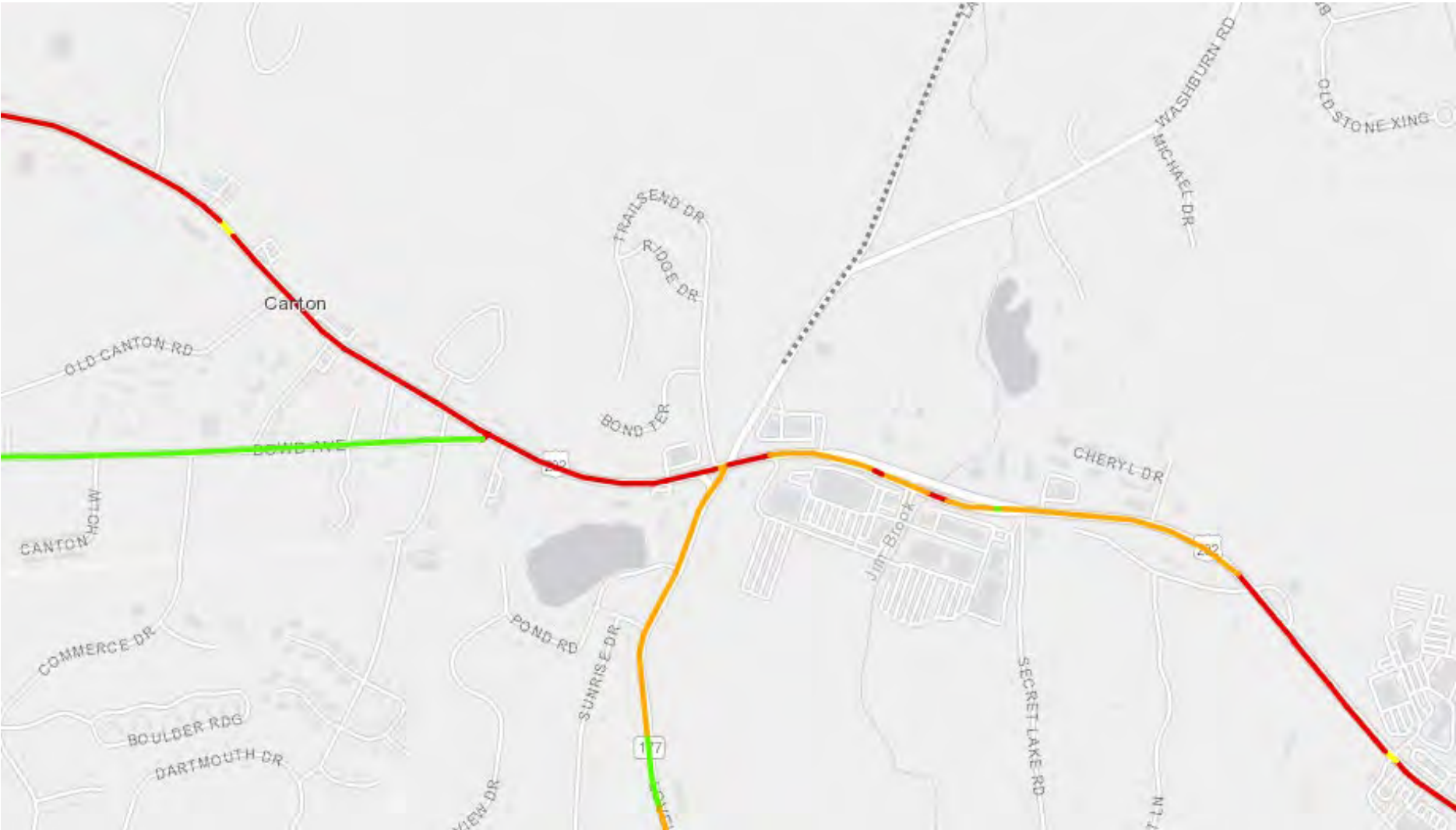
Bicycle Accommodations



- US-44 Canton Study Area Roadways
- Water Bodies
- Town Line
- Farmington River Trail
- - - Farmington River Trail Proposed Extension
- Bike Racks
- - - On-Road Bicycle Planning Network (CTDOT)

Bicycle Suitability (From CT Active Transportation Plan)

- Least Suitable
- Less Suitable
- Suitable
- More Suitable
- Most Suitable

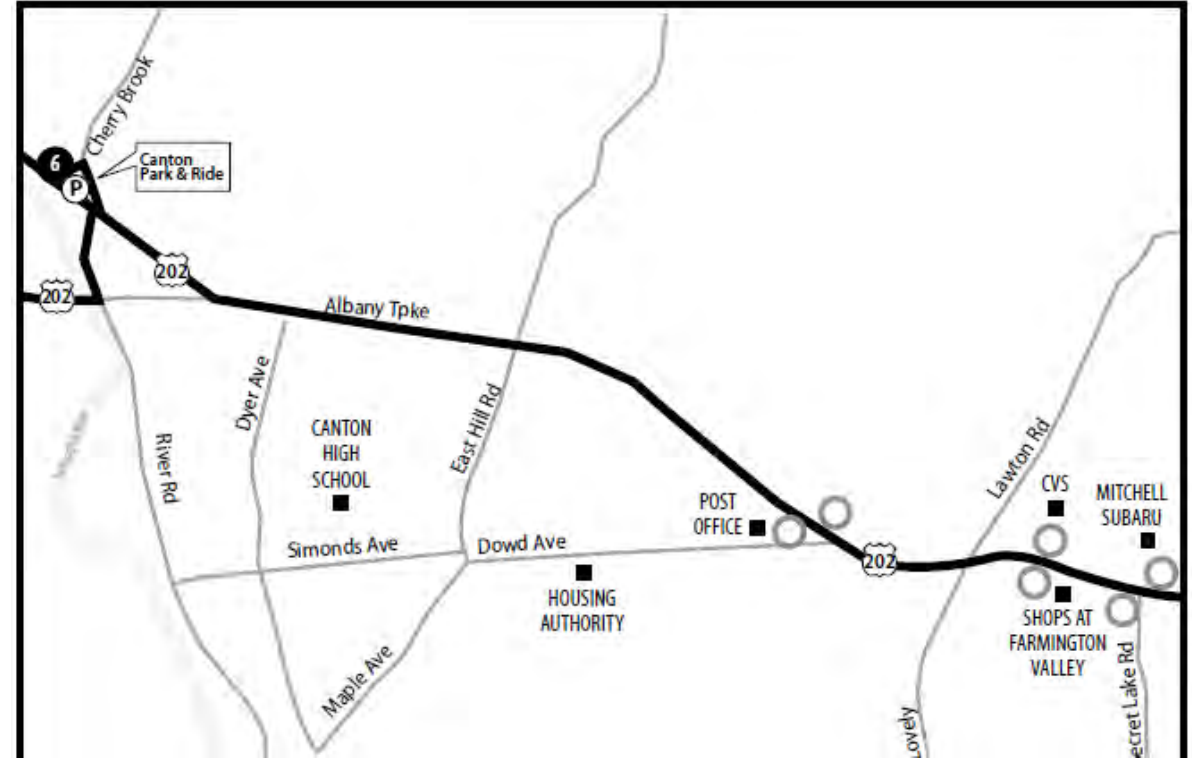


Public Transportation



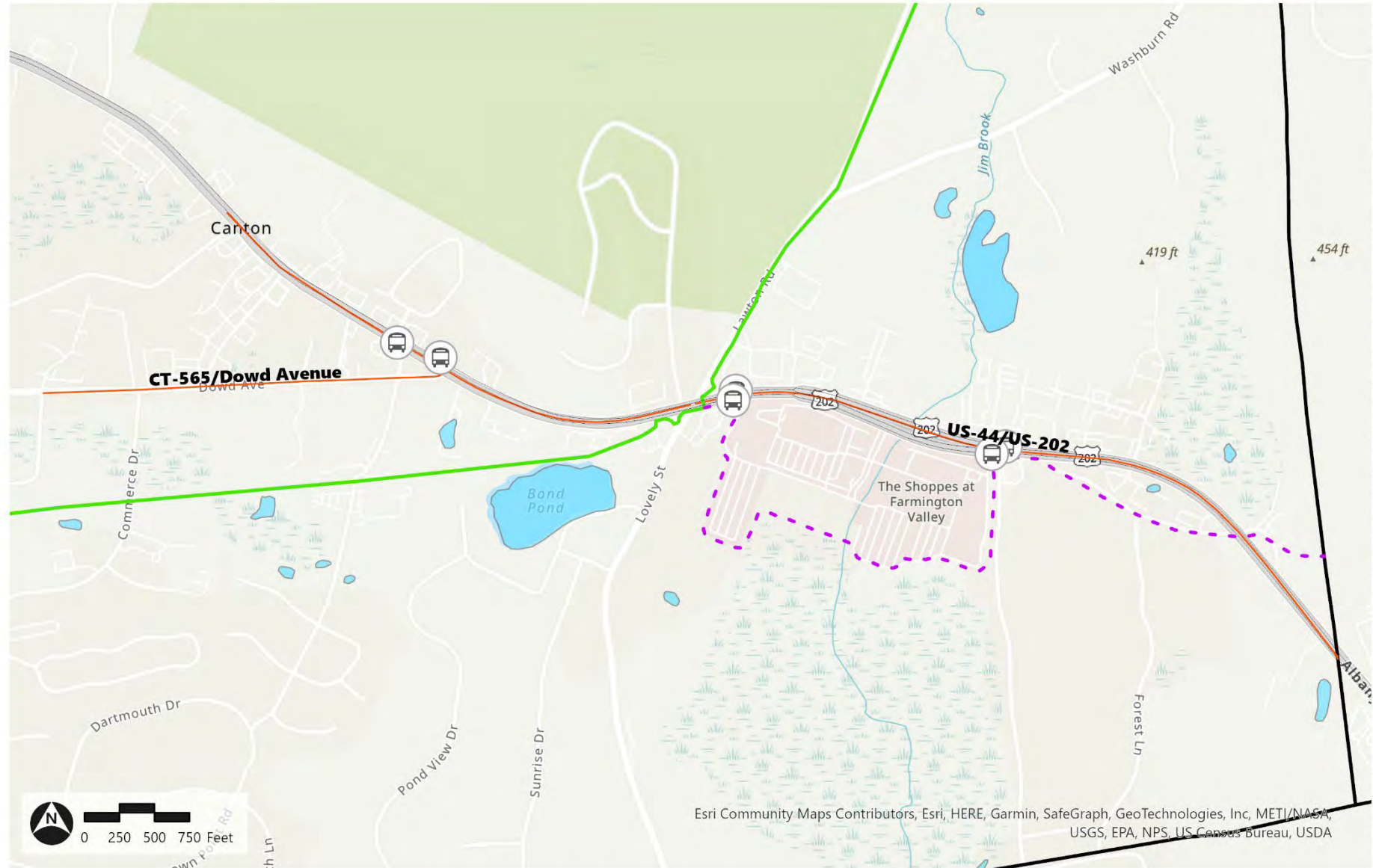
Notes: Public Transportation

- Three express bus routes that travel through Canton: 901, 926, 927
- Weekday service only
- Frequency – 9 round trips per day:
 - 3 buses to Canton in AM, 6 in PM
 - 5 buses from Canton in AM, 4 in PM
- Three bus stop pairs in the study area:
 - US-44 at Secret Lake Road
 - US-44 at Lovely Street/Lawton Road
 - US-44 at Dowd Avenue



Fare Zone			
	5:58	6:13	7:38
○ West Main St. at M & T Bank			
○ West Main St. at Avon Marketplace	5:59	6:14	7:39
SIMSBURY			
○ Albany Tpke. at McDonalds	6:00	6:15	7:40
CANTON			
○ Albany Tpke. & Secret Lake Rd.	6:02	6:16	7:42
○ Albany Tpke. & Lawton Rd.	6:02	6:17	7:42
○ Albany Tpke. & Dowd Ave.	6:04	6:19	7:44
6 Canton Park & Ride - Albany Tpke. & Cherry Brook Rd.	6:09	6:24	7:49

Transit Infrastructure

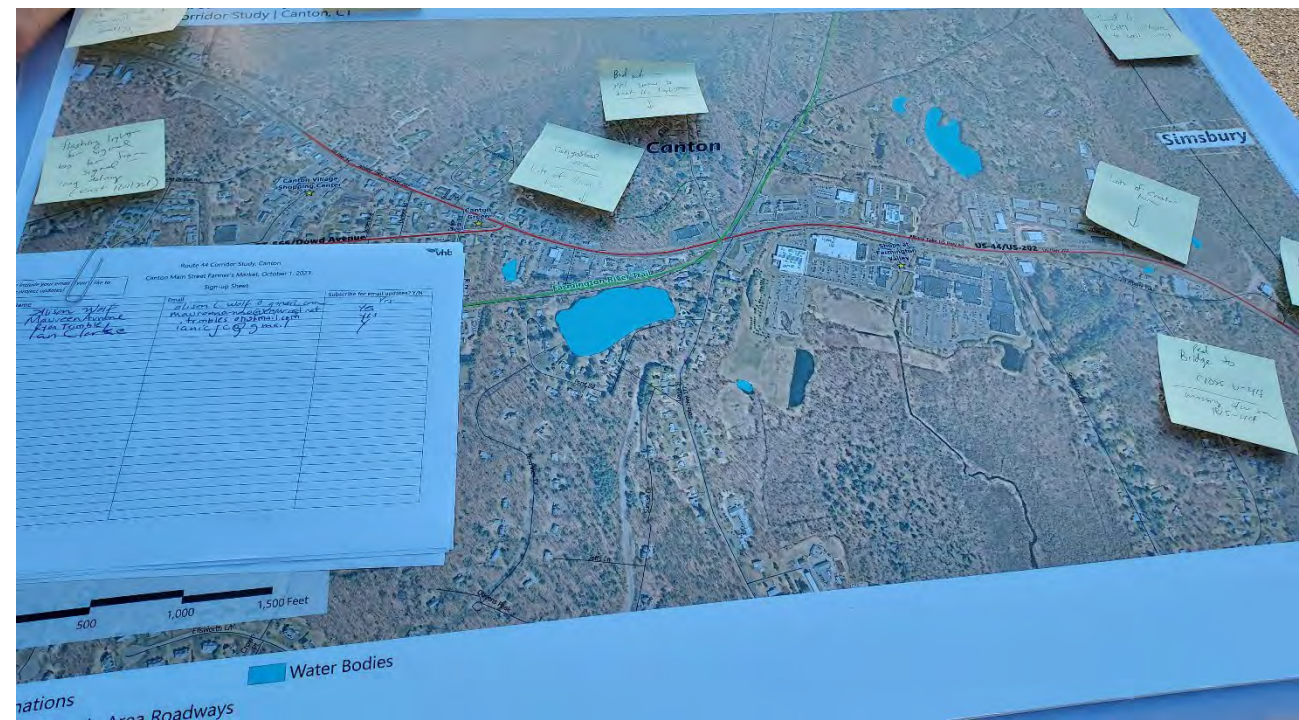


- US-44 Canton Study Area Roadways
- Water Bodies
- Town Line
- Farmington River Trail
- 🚌 Bus Stops
- Bus Routes
- - - Farmington River Trail Proposed Extension

Esri Community Maps Contributors, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Public Outreach

- Pop-up at Collinsville Farmer's Market, October 1
 - Promotion of project, map comments, public survey, visibility
 - Interacted with around 20-30 people
- Public Survey
 - Online survey promoted on websites, social media, flyers
 - 75 responses as of October 10
 - Keep open until at least public meeting
- Public Meeting
 - Canton Community Center December 5 or 7
 - Present existing conditions
 - Hybrid meeting as equipment allows



Stakeholder Interviews

- Shops at Farmington Valley
- Avon/Canton Chamber of Commerce
- Canton Village Shops
- Mitchell Subaru
- Bike Walk Canton
- Transit Users
- Favarh – The Arc of Farmington Valley
- Farmington Valley Trail Council
- Towns of Avon and Simsbury



Opportunities East End

- Crossing Route 44 with Vulnerable Users – Safest Opportunity?
- Pedestrian Bridge
- Pedestrian Tunnel
- Traffic Signals
 - At Crossing
 - Adjacent Locations
- Multilane Roundabout



Next Steps

- Completion of Existing Conditions
- Technical Memorandum
- Future Conditions Assessment
- Public Information Meeting – December 5 or 7

Project Schedule

#	Task	Dates
1	Kick-off and Project Management	June 2023, ongoing
2	Stakeholder and Public Outreach	June 2023–September 2024
3	Data Collection	June - July 2023
4	Assessment of Existing Conditions	August-October 2023
5	Assessment of Future Conditions	October -November 2023
6	Identification and Analysis of Alternatives	December 2023 - March 2024
7	Development of Transportation Improvement and Development Management Plan	April 2024–June 2024

Major Traffic Generators

