



ROUTE 103

Access Management Study

Virtual Kick Off Meeting



Tuesday 4/27/2021 at 6:00PM

Virtual Meeting Guidelines

- This meeting is being recorded in order to document all comments
- Please remain " **muted** " and turn your **video off** during the presentation
- Use the " **raise hand** " feature to let us know you have a question or comment or type a message into the "**chat** " window
- If joining by phone use *6 to mute/unmute and *9 to raise your hand
- Staff will be monitoring the meeting and the chat for any issues
- Staff will need to remove any participant that purposely disrupts the meeting or displays inappropriate behavior
- In the event we have technical issues, please rejoin the meeting using the same meeting link



Route 103 Access Management

The town of Somerset requested a study of the Route 103 Corridor to identify and recommend improvements to access points for business and residential properties. The current openings and curb cuts, combined with the potential increase in traffic volumes with the redevelopment of Brayton Point, suggest that roadside safety with access to various properties may be a concern. The study will focus on Route 103 from the Swansea Town Line to Francis Street which is a point east of Brayton Point Road.



Purpose of Public Kick Off Meeting

The purpose of the Route 103 Virtual Kick Off Meeting is to provide residents and business owners the opportunity to discuss and provide input on issues and concerns along the corridor. The public may also complete and submit the Route 103 Survey (15 questions).

Survey Links (also available in chat)

- English- https://www.surveymonkey.com/r/RT103_english
- Spanish- https://es.surveymonkey.com/r/RT103_spanish
- Portuguese- https://www.surveymonkey.com/r/RT103_portuguese

What is Access Management?

The Transportation Research Board (TRB) Manual defines access management as the programmatic control of the location, spacing, design, and operation of:

- Driveways
- Median openings
- Interchanges
- Street connections to a roadway (traffic signals and stop controlled)

Or simply determining and resolving issues where the road meets the driveways.



Benefits of Access Management?

- Improves safety and capacity
- Provide a more efficient trip for the motorist
- Improve time spent traveling through a corridor



Poor Access Management

- Increase in crashes and crash rates
- Poor capacity throughout corridor
- Increased delays
- Poor roadway system efficiency
- Potential for unwanted cut-thru traffic
- Potential for less desirable experience along the corridor resulting in the possibility of less customers and drivers wanting to make a trip

Poor Access Management

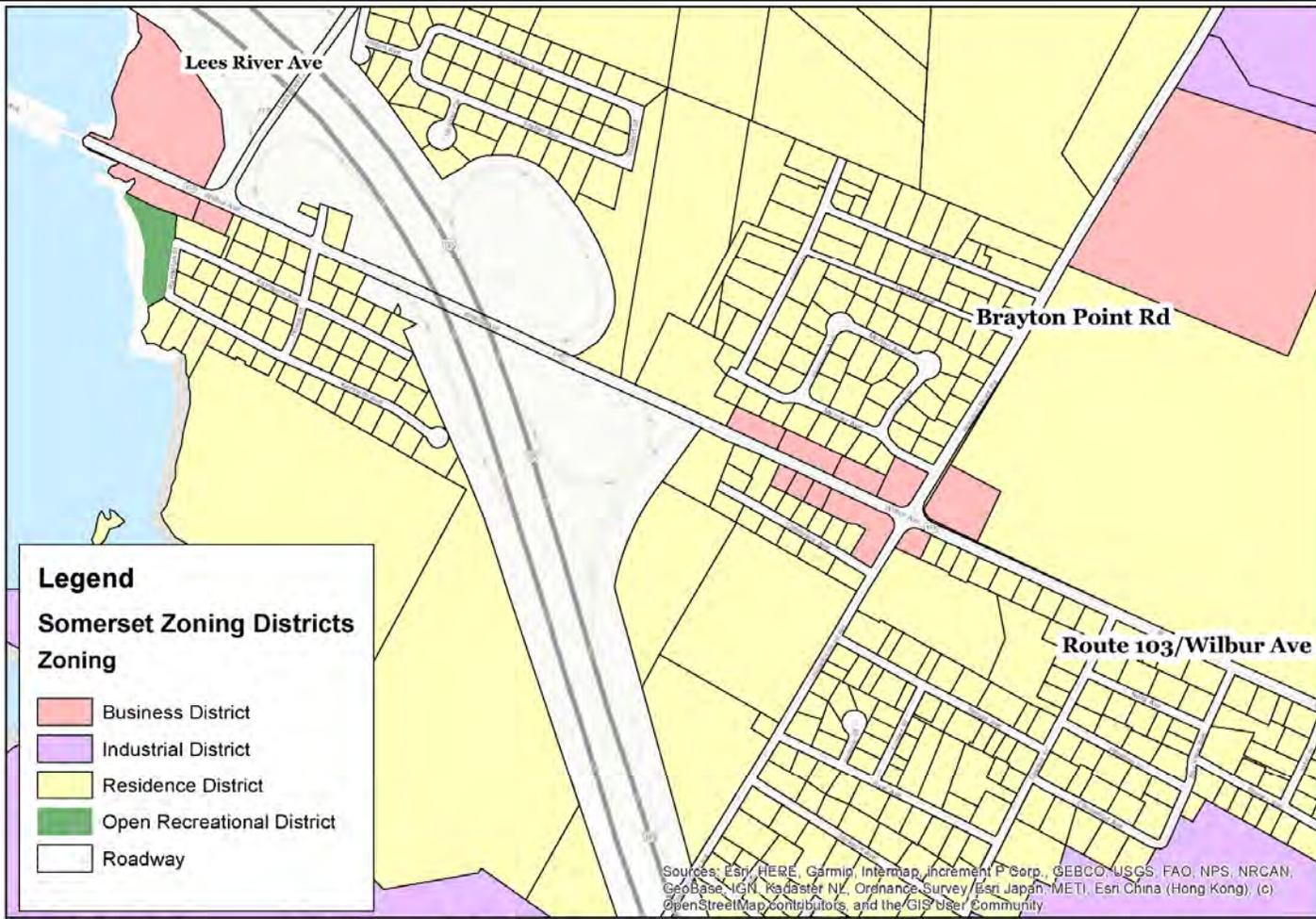
- The higher the number of access points, the greater the chance of crashes in that corridor
- Access point creates potential conflicts between through traffic and turning traffic. This can be caused by:
 - Crossing an intersection
 - Exiting a driveway
 - Merging
 - Queue in traffic

Existing Data

- Parcel and Road Jurisdiction Maps
- Access Points
- Site Observations including photography, video, and drone imagery
- Turning Movement Counts (TMC)*
- Automatic Traffic Recorder Counts (ATR)*
- Crash Data (2017 to 2020)

*Due to the COVID-19 Pandemic historical data collected by SRPEDD, MassDOT and VHB were used from the past few years. Additional data will be collected if needed.

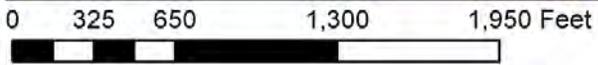




Legend
Somerset Zoning Districts
Zoning

- Business District
- Industrial District
- Residence District
- Open Recreational District
- Roadway

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





Prepared For:



Access Point Map

Route 103 Access Management Study

Prepared By:

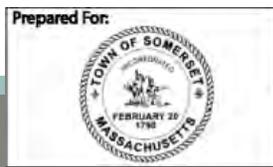
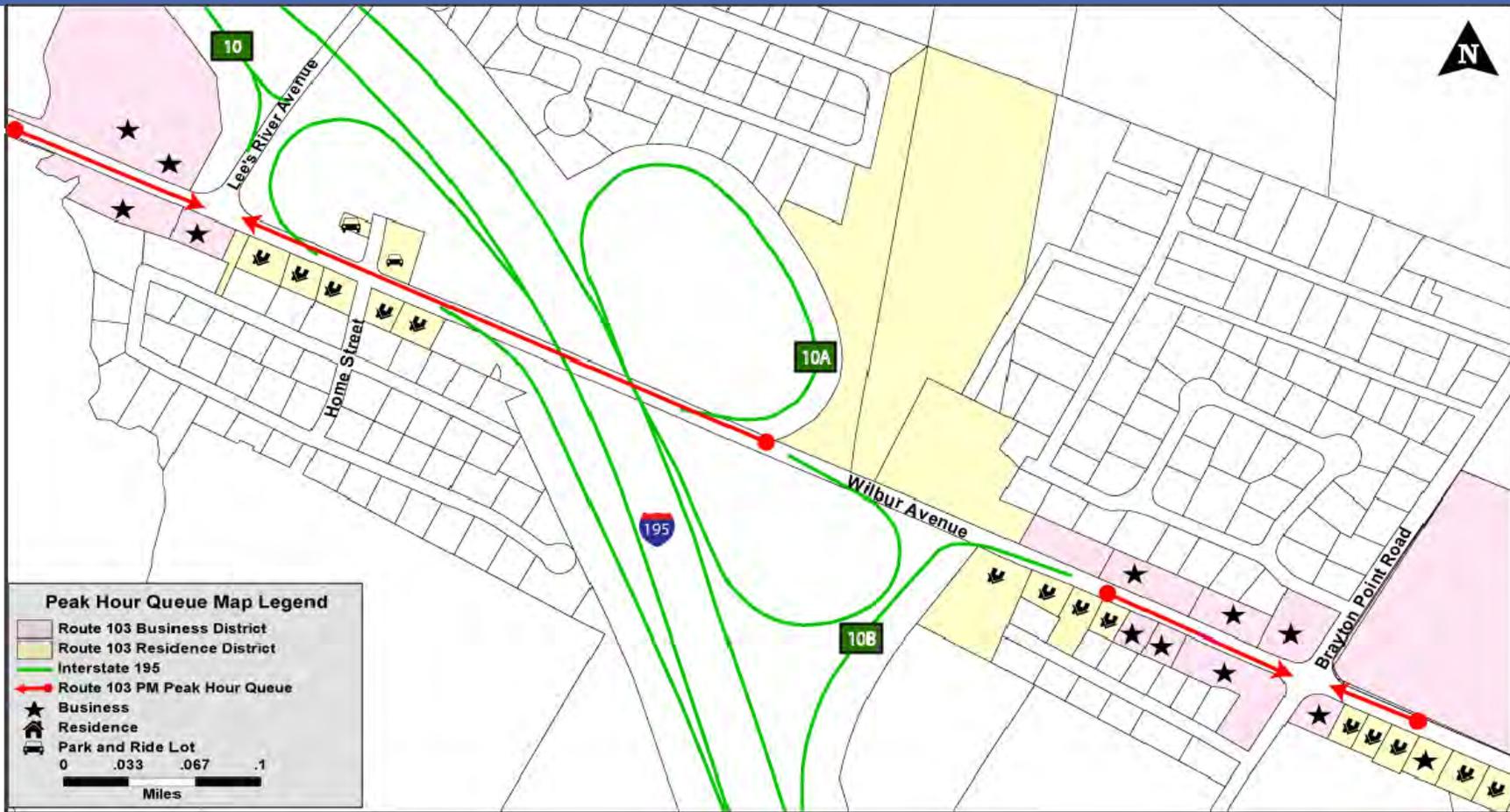


SRPEDD
Southeastern Regional Planning
& Economic Development District

April 2021

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Peak Hour Queue Map

Route 103 Access Management Study



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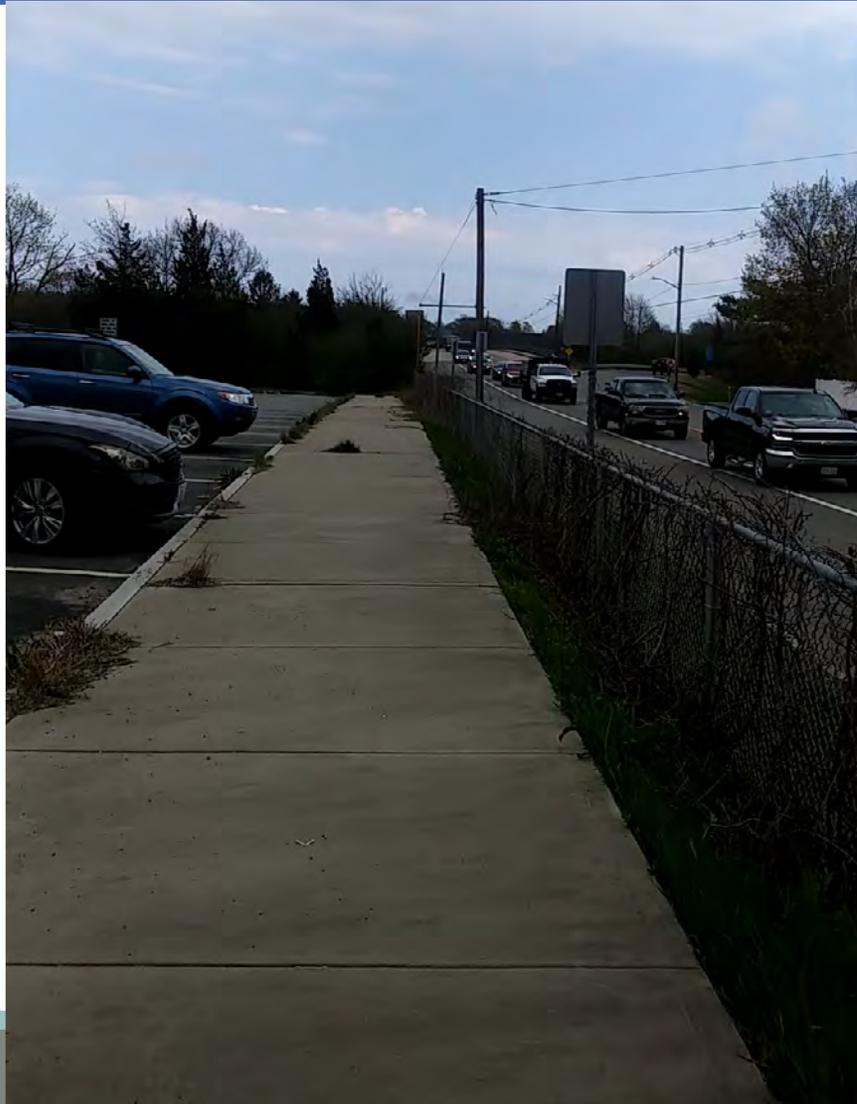
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Southeastern Regional Planning
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Video of westbound queue up to the I-195 off ramp 10A

Facing westbound from the animal hospital

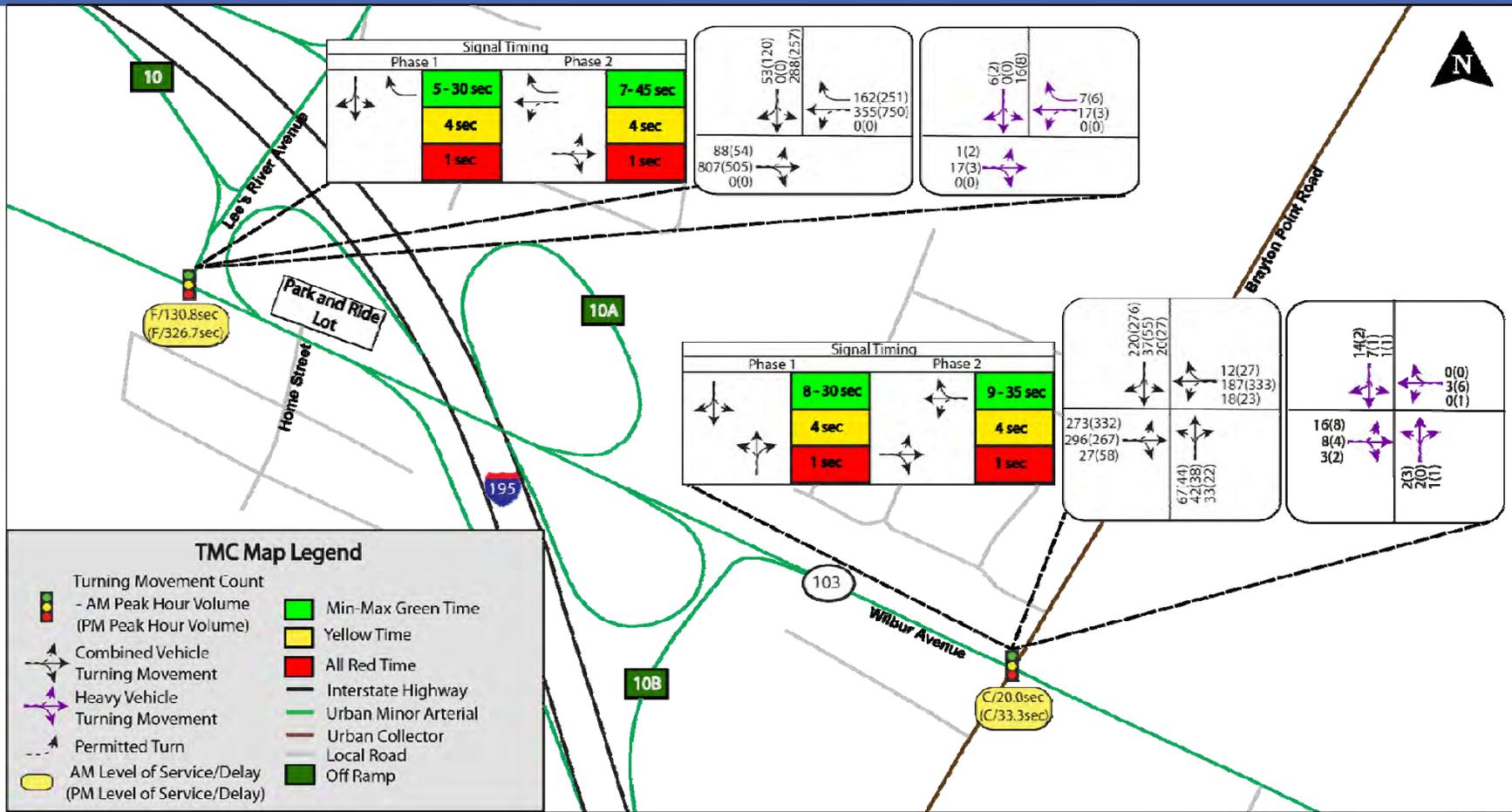


Video of westbound queue

Facing eastbound from the Park and Ride Lot



Video of eastbound queue up to the Swansea Town Line



Prepared For:



TMC MAP

Route 103 Access Management Study

Prepared By:



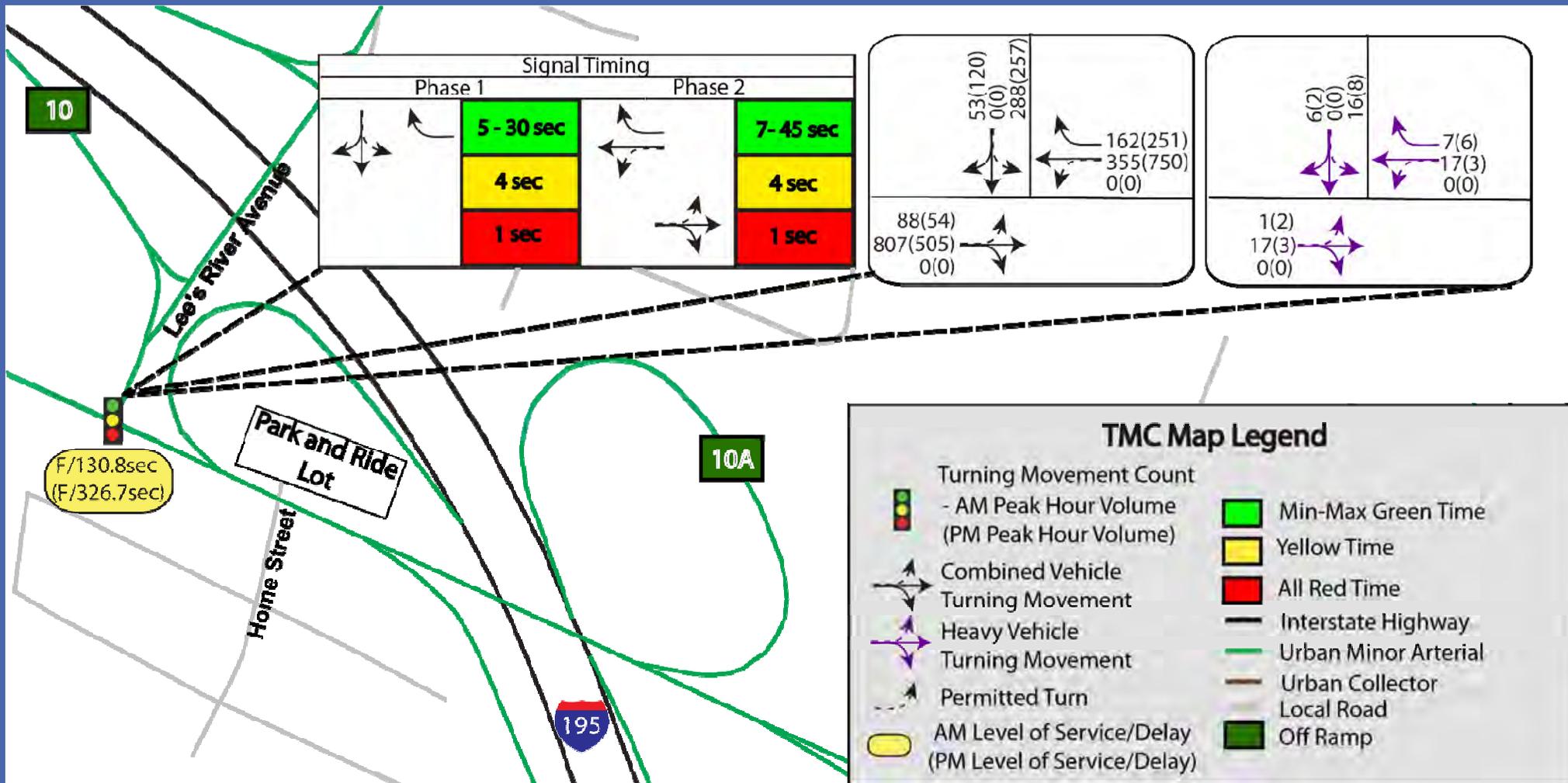
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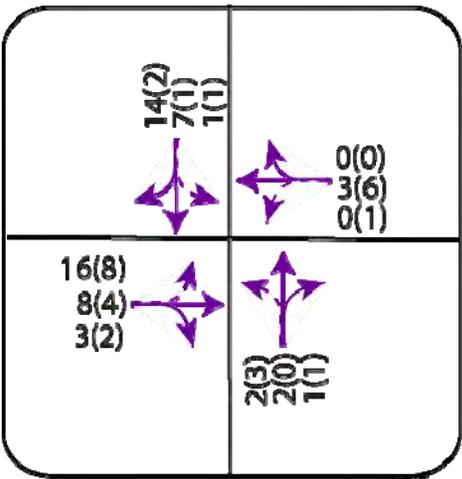
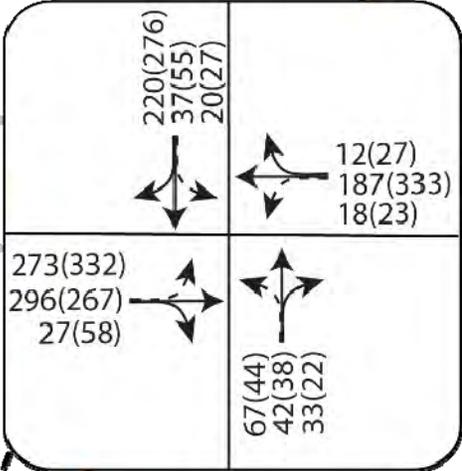
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10A

Signal Timing			
Phase 1		Phase 2	
	8 - 30 sec		9 - 35 sec
	4 sec		4 sec
	1 sec		1 sec



TMC Map Legend

	Turning Movement Count		Min-Max Green Time
	- AM Peak Hour Volume (PM Peak Hour Volume)		Yellow Time
	Combined Vehicle Turning Movement		All Red Time
	Heavy Vehicle Turning Movement		Interstate Highway
	Permitted Turn		Urban Minor Arterial
	AM Level of Service/Delay (PM Level of Service/Delay)		Urban Collector
			Local Road
			Off Ramp

103

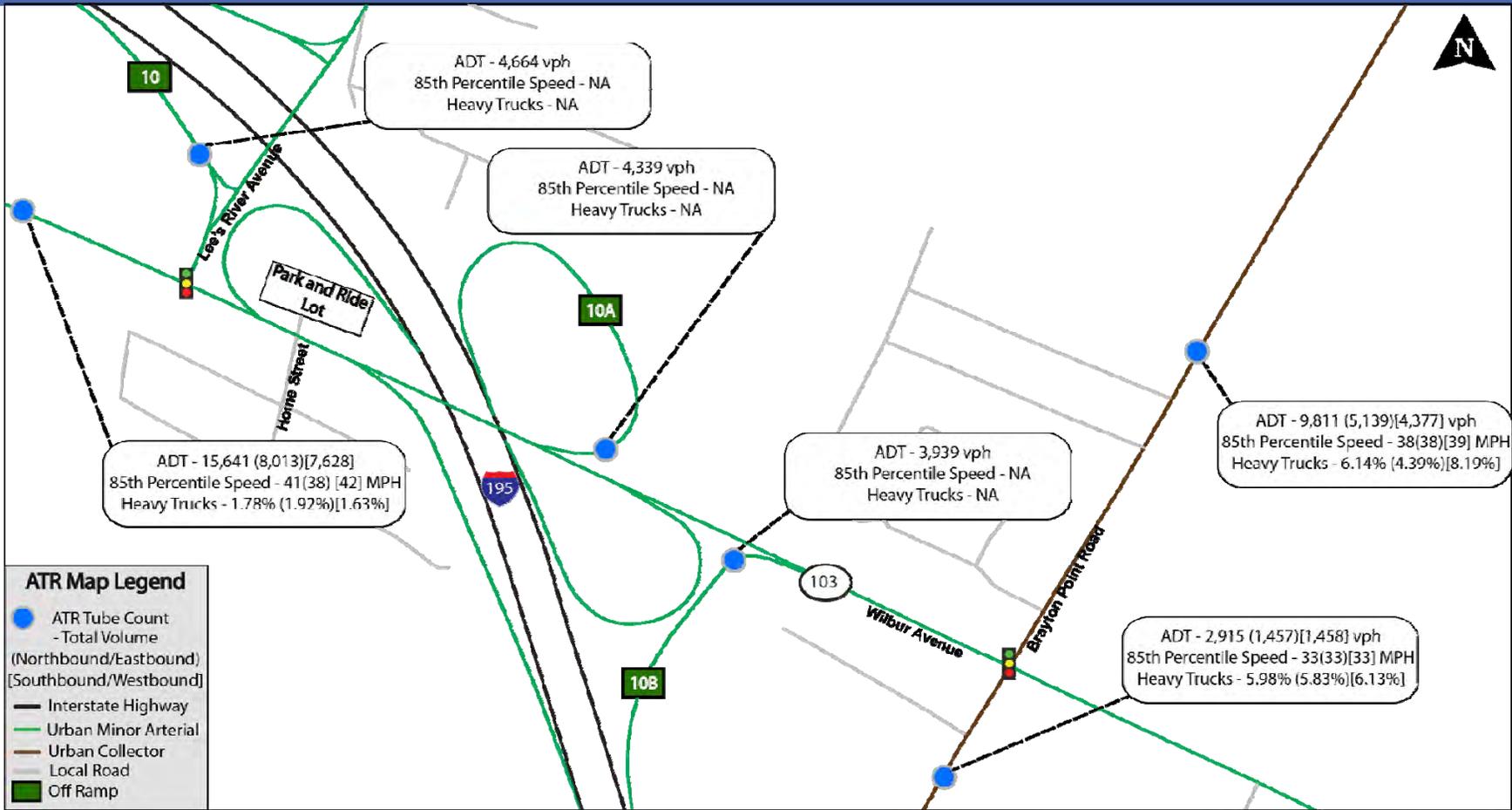
Wilbur Avenue

C/20.0sec
(C/33.3sec)

10B



Route 103 Access Management Virtual Kick Off Meeting



Prepared For:



ATR MAP

Route 103 Access Management Study

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Produced by: SRPEDD, a 5 Regional Service Center, Datasource: MassGIS, and other essential information.
MassDOT - 11 Park Plaza, Boston, MA 02210

CRASH SUMMARY SHEET

Corridor: Route 103
TIME PERIOD: 2017-2020

TIME OF DAY:	# ACC	%
6AM-10AM	18	13%
10AM-4PM	52	38%
4PM-8PM	46	34%
8PM-12AM	14	10%
12AM-6AM	7	5%
Total	137	100%

TIME OF YEAR:	# ACC	%
Winter (Dec-Feb)	34	25%
Spring (Mar-May)	31	23%
Summer (Jun-Aug)	34	25%
Fall (Sep-Nov)	38	28%
Total	137	100%

CRASH TYPE:	# ACC	%
Single Veh Crash	21	15%
Rear-End	62	45%
Angle	42	31%
SS, Same Direction	12	9%
SS, Opp Direction	0	0%
Head On	0	0%
Unknown	0	0%
Total	137	100%

CRASH SEVERITY:	# ACC	%
Fatal	0	0%
Injury	38	28%
PDO	85	62%
Unknown	14	10%
Total	137	100%

WEATHER:	# ACC	%
Clear	98	72%
Cloudy	23	17%
Rain	10	7%
Snow	2	1%
Sleet, Hail, Freezing Rain	1	1%
Fog, Smog, Smoke	1	1%
Severe Crosswinds	0	0%
Blowing Sand, Snow	0	0%
Other	0	0%
Unknown	2	1%
Total	137	100%

SURFACE:	# ACC	%
Dry	110	80%
Wet	22	16%
Snow	2	1%
Ice	0	0%
Sand, Mud, Dirt, Oil, Gravel	0	0%
Water (Standing, Moving)	0	0%
Slush	0	0%
Other	0	0%
Unknown	3	2%
Total	137	100%

LIGHT CONDITION:	# ACC	%
Daylight	92	67%
Dawn	3	2%
Dusk	4	3%
Dark / Lighted Road	33	24%
Dark / Road Not Lit	2	1%
Dark / Unknown Lighting	1	1%
Other	0	0%
Unknown	2	1%
Total	137	100%

COLLISION WITH:	# ACC	%
Motor Vehicle In Traffic	114	83%
Parked Motor Vehicle	1	1%
Pedestrian	1	1%
Cyclist	0	0%
Animal (Deer)	9	7%
Curb	2	1%
Tree	2	1%
Utility Pole	3	2%
Light Pole or other post/support	0	0%
Guardrail	1	1%
Fence	1	1%
Ran Off Road	2	1%
Other	1	1%
Unknown	0	0%
Total	137	100%



Collision Diagram

Municipality:	Town of Sumner	RVC:	SRP333	Project:	Route 103
Location:	Village Square West of Lee's River Avenue			By:	L.O.
Period:	4 Years	0 Months	Period From:	2017	To: 2020
Date:	April 2020				

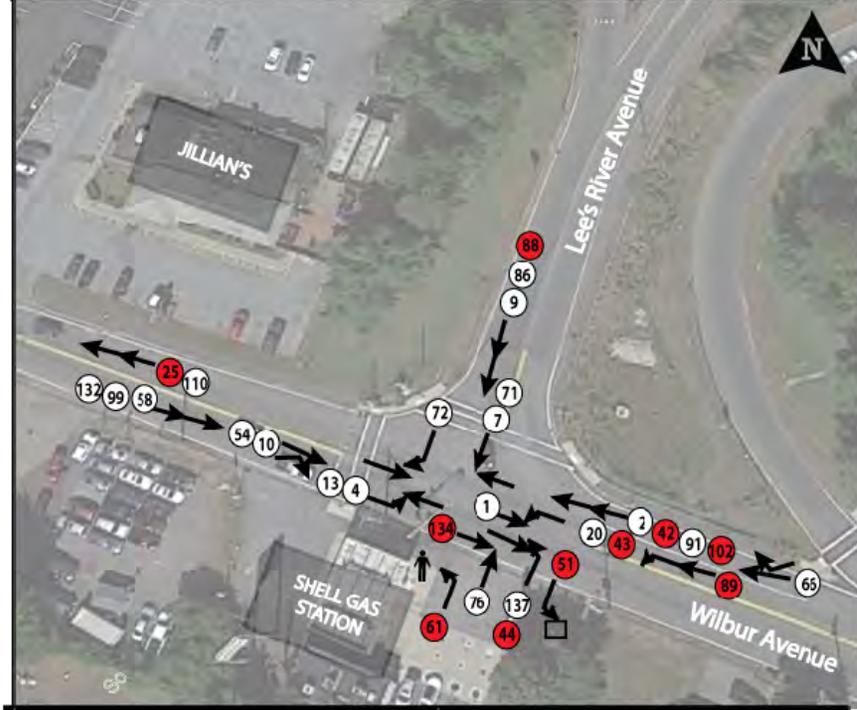


Legend		Type of Collision	
○ Property Damage Collision	↑ Pedestrian	↔ Rear End	↔ Head On
● Injury Collision	🏍️ Motorcyclist	↔ Left Turn	↔ Right Turn
⊙ Fatal Collision	🚲 Bicyclist	↔ Overtake	↔ Right Angle
➡ Moving Vehicle	🐾 Animal	↔ Out of Control	↔ Side Swipe
↘ Turning Vehicle	☐ Flared Object		
↔ Backing Vehicle	☑ Parked Vehicle		

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Collision Diagram

Municipality:	Town of Sumner	RVC:	SRP333	Project:	Route 103
Location:	Wilbur Avenue & Lee's River Avenue			By:	L.O.
Period:	4 Years	0 Months	Period From:	2017	To: 2020
Date:	April 2021				



Legend		Type of Collision	
○ Property Damage Collision	↑ Pedestrian	↔ Rear End	↔ Head On
● Injury Collision	🏍️ Motorcyclist	↔ Left Turn	↔ Right Turn
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Collision Diagram

Municipality: Town of Somerset RW#: SR0101 Project: Route 103
 Location: Wilbur Avenue Interstate 195 Off Ramp 103 Sp: L.O.
 Period: 4 Years 6 Months Period: From 2017 to 2020 Date: April - 2021



Legend

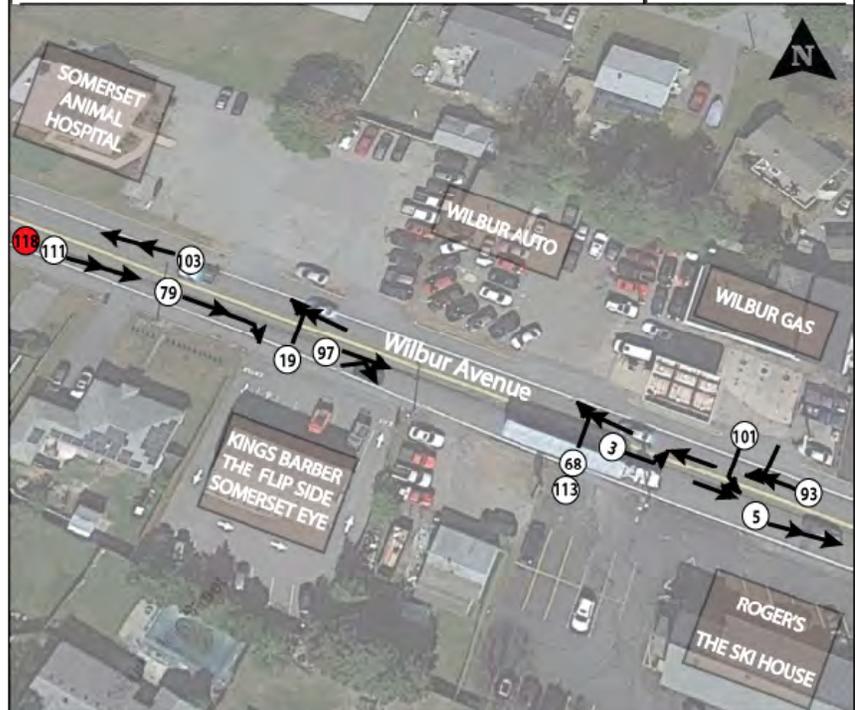
- Property Damage Collision
- Injury Collision
- Fatal Collision
- Moving Vehicle
- Turning Vehicle
- Backing Vehicle
- Pedestrian
- Motorcycle
- Bicycle
- Animal
- Flared Object
- Parked Vehicle

Type of Collision

- Rear End
 - Left Turn
 - Overtake
 - Out of Control
 - Head On
 - Right Turn
 - Right Angle
 - Side Swipe
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Collision Diagram

Municipality: Town of Somerset RW#: SR0101 Project: Route 103
 Location: Wilbur Avenue West of Brighton Field Site Sp: L.O.
 Period: 4 Years 6 Months Period: From 2016 to 2020 Date: April - 2021



Legend

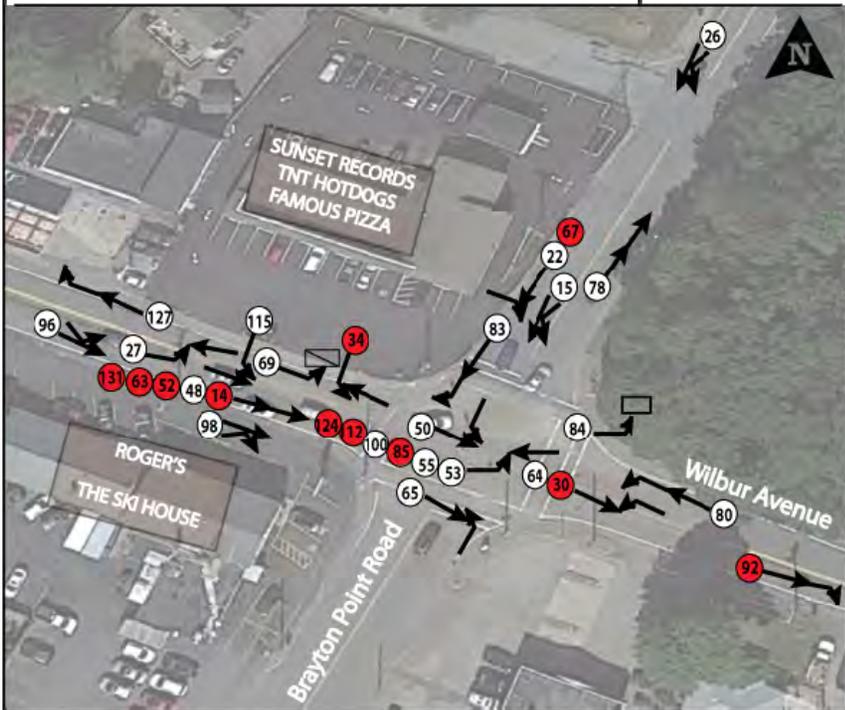
- Property Damage Collision
- Injury Collision
- Fatal Collision
- Moving Vehicle
- Turning Vehicle
- Backing Vehicle
- Pedestrian
- Motorcycle
- Bicycle
- Animal
- Flared Object
- Parked Vehicle

Type of Collision

- Rear End
 - Left Turn
 - Overtake
 - Out of Control
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 - Right Angle
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Collision Diagram

Municipality: Town of Stratford RW#: SRP130 Project: Route 103
 Location: Wilbur Avenue at Bayview Street By: L.O.
 Period: 0 Years 0 Months Period: From 2017 to 2021 Date: April 2021



Legend		Type of Collision	
○ Property Damage Collision	🚶 Pedestrian	➡ Rear End	➡ Head On
● Injury Collision	🏍️ Motorcycle	↩ Left Turn	↩ Right Turn
⦿ Fatal Collision	🚲 Bicyclist	➡ Overtake	↘ Right Angle
➡ Moving Vehicle	🐕 Animal	➡ Out of Control	↘ Side Swipe
↘ Turning Vehicle	📦 Flammable Object		
⬅ Backing Vehicle	🚗 Parked Vehicle		

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Collision Diagram

Municipality: Town of Stratford RW#: SRP130 Project: Route 103
 Location: Wilbur Avenue Bayview Street to Del Tom Lane By: L.O.
 Period: 0 Years 0 Months Period: From 2017 to 2021 Date: April 2021



Legend		Type of Collision	
○ Property Damage Collision	🚶 Pedestrian	➡ Rear End	➡ Head On
● Injury Collision	🏍️ Motorcycle	↩ Left Turn	↩ Right Turn
⦿ Fatal Collision	🚲 Bicyclist	➡ Overtake	↘ Right Angle
➡ Moving Vehicle	🐕 Animal	➡ Out of Control	↘ Side Swipe
↘ Turning Vehicle	📦 Flammable Object		
⬅ Backing Vehicle	🚗 Parked Vehicle		

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Public Participation

- Public comments, input, and concerns at today's meeting (through conversation or chat feature)
- Public will complete and submit the Route 103 Survey (15 questions)
- Public may also email any further comments or concerns to Ideoliveira@srpedd.org
- Staff will review the Route 103 Survey and take notes of the comments made during the meeting
- Survey results, comments will assist and be included within the final report



Virtual Meeting Guidelines

- This meeting is being recorded in order to document all comments
- Use the " **raise hand** " feature to let us know you have a question or comment or type a message into the "**chat** " window
- If joining by phone use *6 to mute/unmute and *9 to raise your hand
- Staff will be monitoring the meeting and the chat for any issues
- Staff will need to remove any participant that purposely disrupts the meeting or displays inappropriate behavior
- In the event we have technical issues, please rejoin the meeting using the same meeting link



Comments, Input, and Concerns.

- We ask that that we remain respectful during comments and input
- Please limit comments and input time to 3 to 5 minutes

Survey Links (also available in chat)

- English- https://www.surveymonkey.com/r/RT103_english
- Spanish- https://es.surveymonkey.com/r/RT103_spanish
- Portuguese- https://www.surveymonkey.com/r/RT103_portuguese

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Route 103 Access Management Virtual Kick Off Meeting