

--Outline

- Study Overview and Objectives
- Transportation Network Characteristics
- Assessment of Major Upgrades
- Implementation Plan for Traffic Improvements
- Active Transportation Network
- Active Transportation Implementation Plan



Study Overview and Objectives

Overview

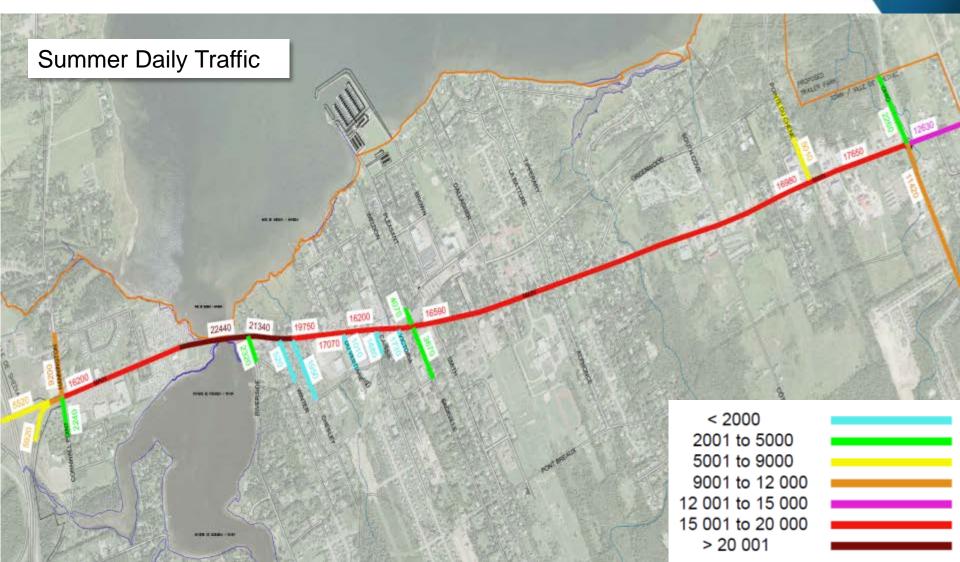
- Identify future transportation needs, including roadway improvements, and all future arterial and collector roads;
- Identify opportunities to expand on the existing trails system;
- Identify streets that may incorporate options for cycling lanes and widened sidewalks or trails;
- Review and develop typical design standards for roadways and Active Transportation facilities;
- Develop a phased implementation plan of recommended improvements within a 5 to 10 year planning horizon;





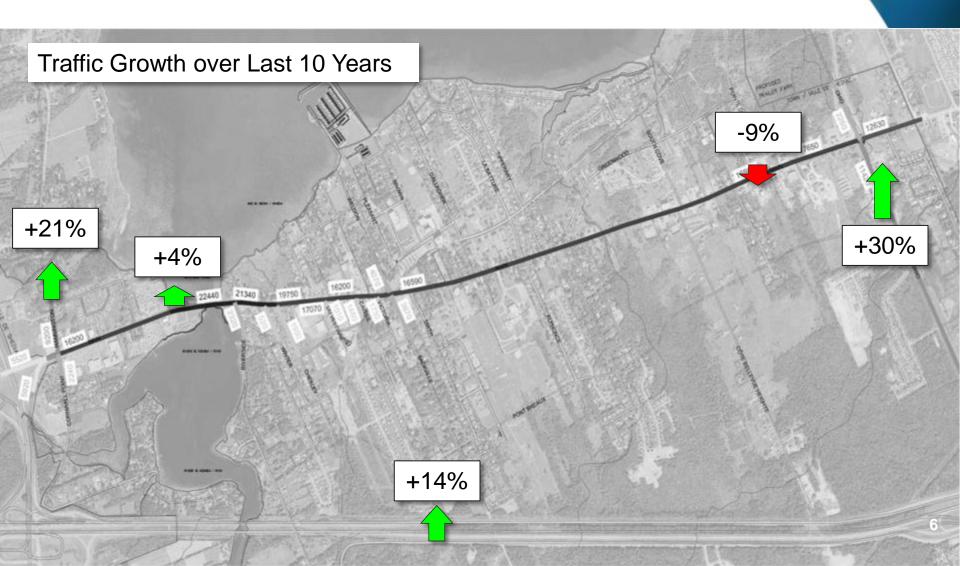
Existing Traffic Conditions

Existing Traffic Volumes



Existing Traffic Conditions

Traffic Growth Trends



-- Existing Traffic Conditions

Locations of Congestion and Delay



--Future Traffic Conditions (2023)

Locations of Congestion and Delay



Existing and Future Traffic Conditions

Summary

- Heavy traffic on Main Street during summer season
- Difficult to turn onto Main Street from side streets and driveways,
- No traffic signals are warranted at this time, but likely to become warranted within 10 years
- No alternative east-west route through the town puts all the pressure on Main Street
- Apparent need for a 3rd access to Route 15, connecting to the Downtown





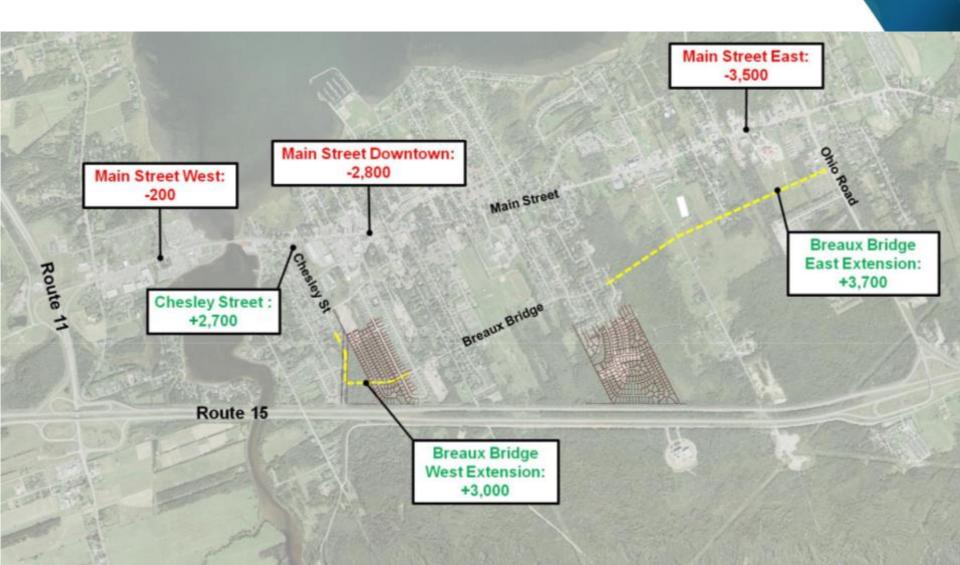
-Major Upgrades Assessment

- The following major upgrades were assessed in terms of impact to traffic patterns:
 - Breaux Bridge Street Extension
 - Chesley Street Extension to Breaux Bridge Street
 - 3rd Access to Route 15



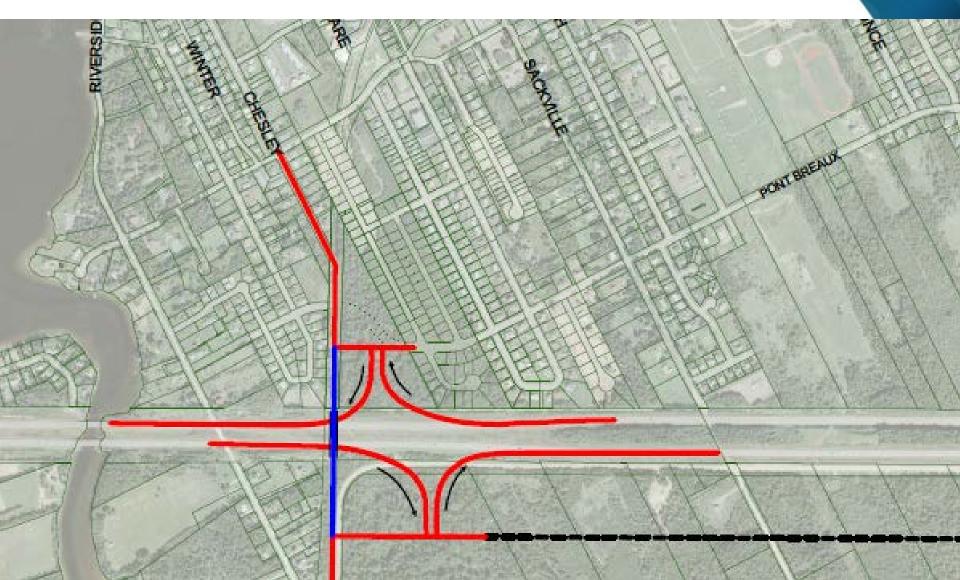
-Major Upgrades Assessment

Breaux Bridge and Chesley Extensions



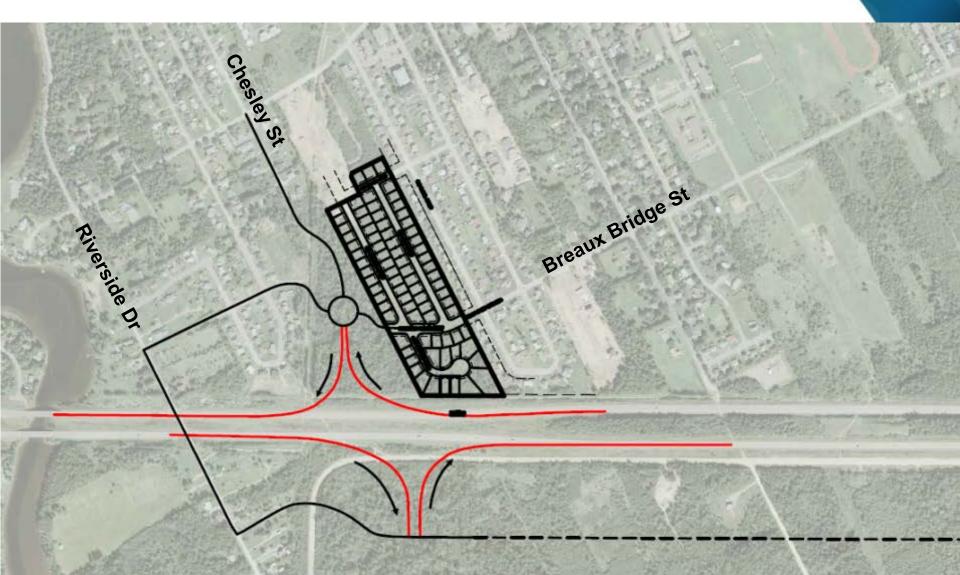
Major Upgrades Assessment

3rd Access to Route 15 CONCEPT 1A



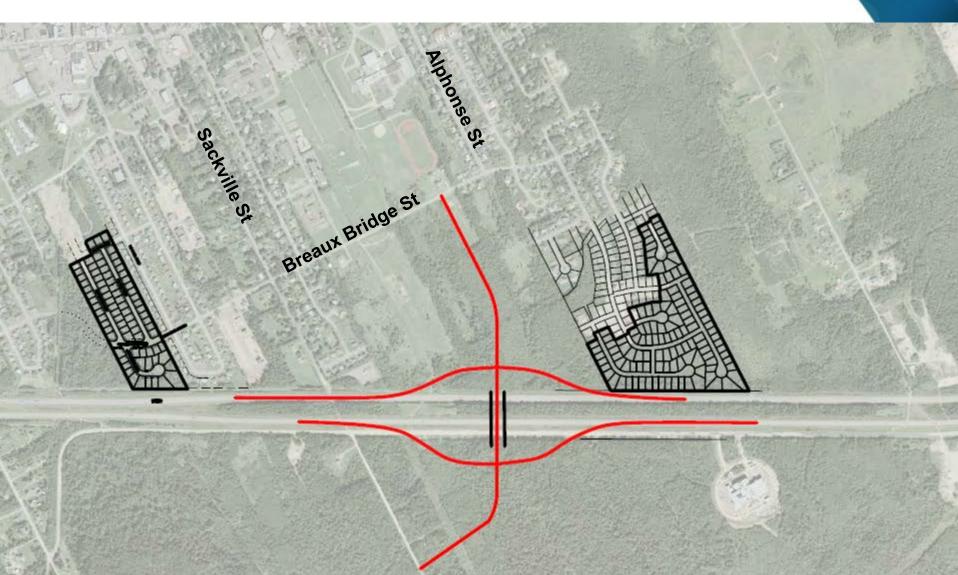
- Major Upgrades Assessment

3rd Access to Route 15 CONCEPT 1B



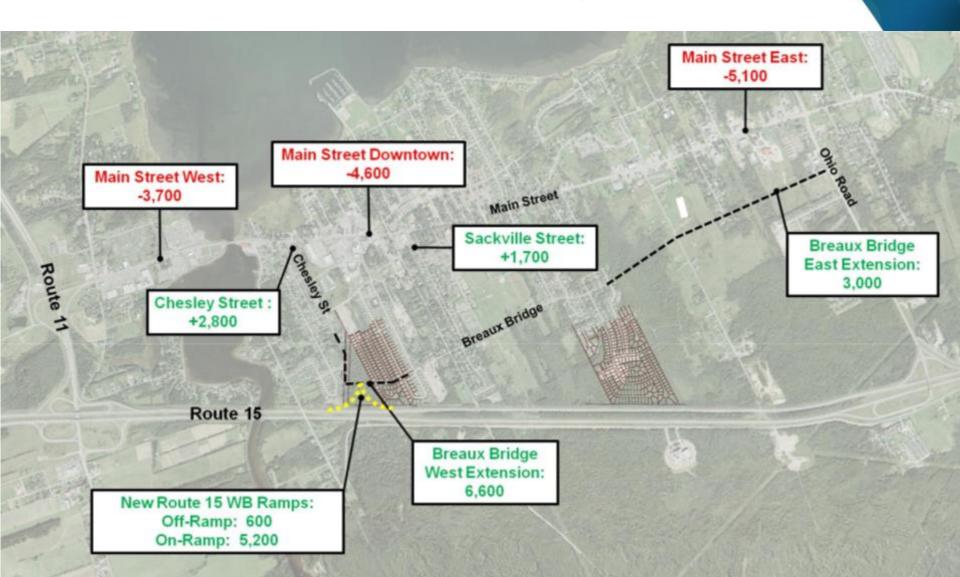
Major Upgrades Assessment

3rd Access to Route 15 CONCEPT 2



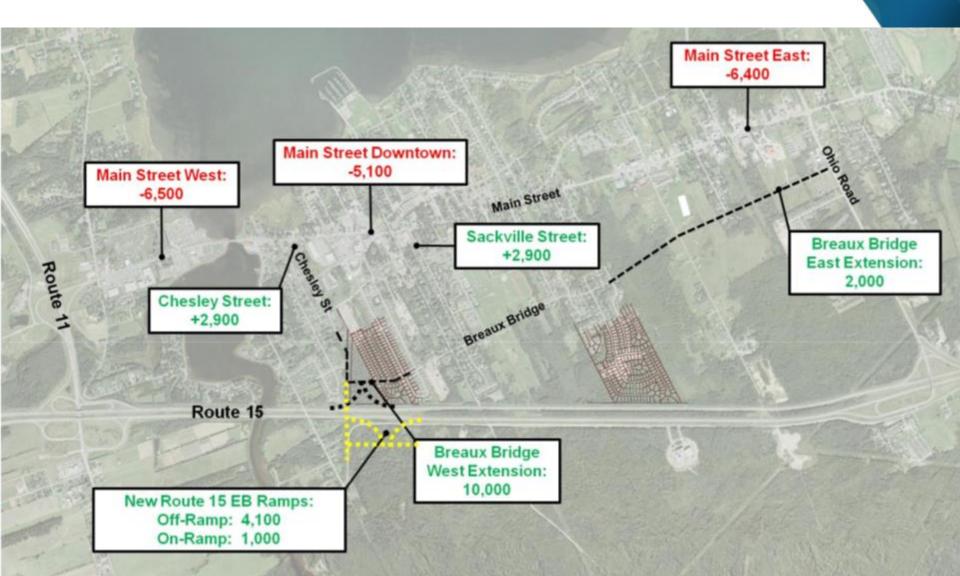
- Major Upgrades Assessment

3rd Access to Route 15 – Westbound Ramps



- Major Upgrades Assessment

3rd Access to Route 15 – Eastbound Ramps and Overpass





Overview

- The recommended improvements have been prioritized in the following implementation periods to aide in the planning of capital expenditures.
 - Immediate Term (0-2 years)
 - Short Term (2-5 years)
 - Medium to Long Term (5-10+ years)
- Opinions of probable construction costs were also prepared for each improvement within the 5-year plan.



Traffic Signal Upgrades

0 to 2 years

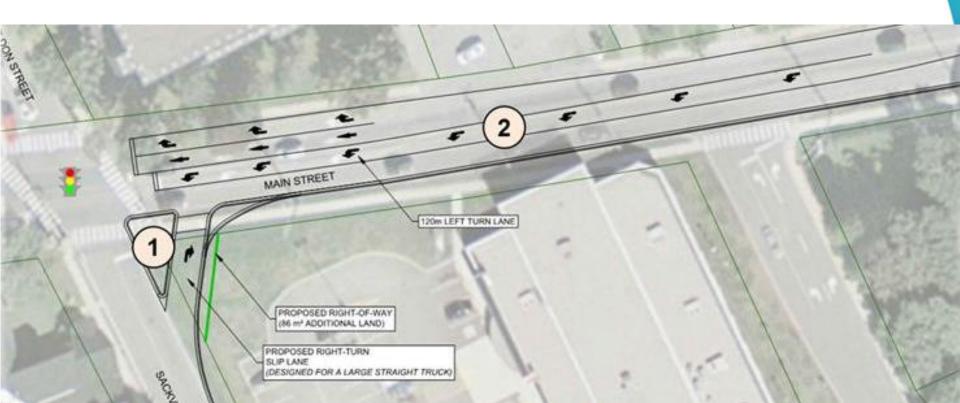
- Several traffic signal equipment and timing upgrades are recommended.
- These should be completed in the immediate term
- Costs are very low



Main Street/Sackville Street

0 to 2 Years

	1.	Install right turn slip lane and island	\$60,000
Ī	2.	Lengthen westbound left turn lane	\$1,000



Left Turn Lanes on Main Street

0 to 2 Years

Re-paint Main Street to provide left turn lanes at Riverside Drive, Chesley Street, and new commercial access west of Town Hall \$3,000



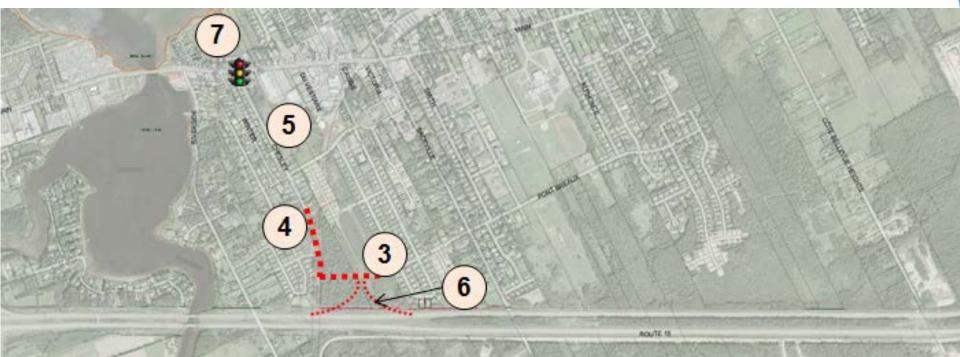
3rd Access to Route 15

0 to 2 Years	1. Initiate a Functional Planning/Pre-Design Study to finalize the location and design of a new Route 15 access
	2. Secure the required right-of-way



3rd Access to Route 15

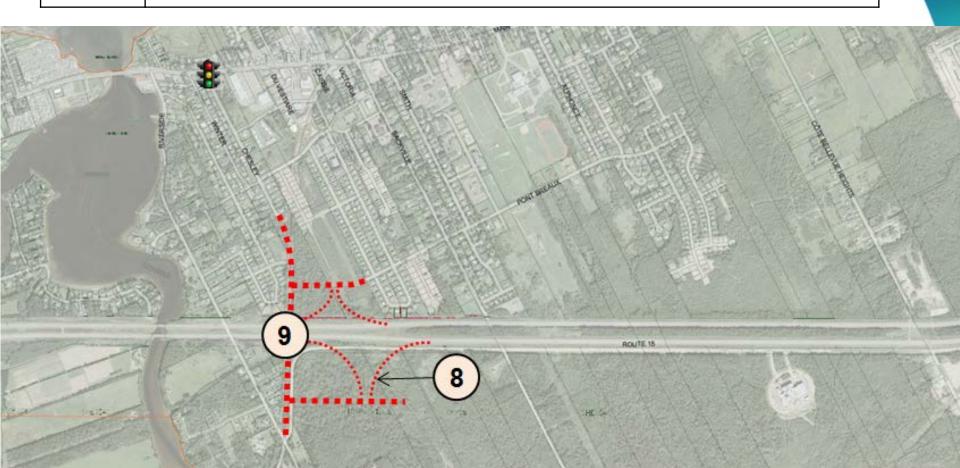
	3. Construct Breaux Bridge west extension (340 m)	\$850,000
	4. Construct Chesley extension (250 m)	\$600,000
2 to 5 Years	5. Upgrade Chesley Street with bike Lanes and sidewalk (670 m)	\$1,500,000
Touro	6. Construction new Route 15 WB Ramps onto the Breaux Bridge extension	\$2,000,000
	7. Upgrade and Signalize Main Street / Chesley Street	\$300,000



3rd Access to Route 15

5 to 10+ Years

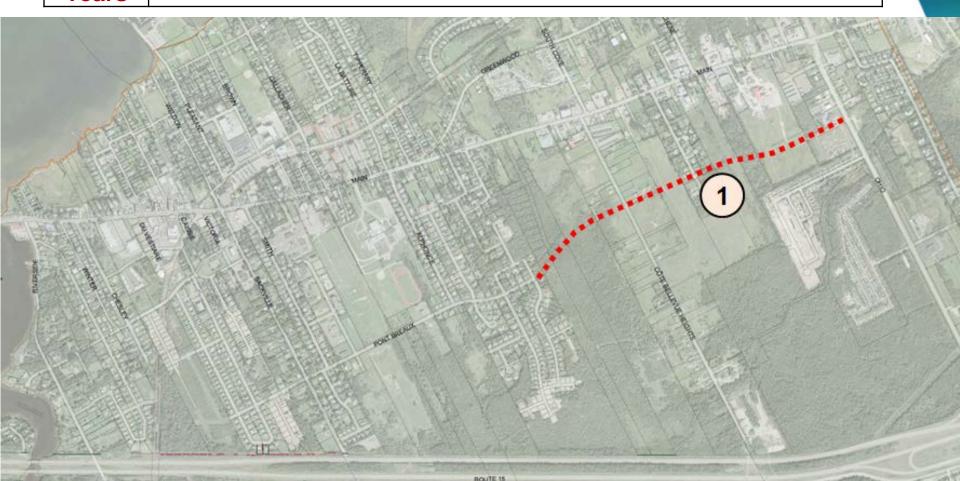
- 8. Construction new Route 15 WB Ramps onto the Breaux Bridge extension
- 9. Upgrade and Signalize Main Street / Chesley Street



Breaux Bridge Extension

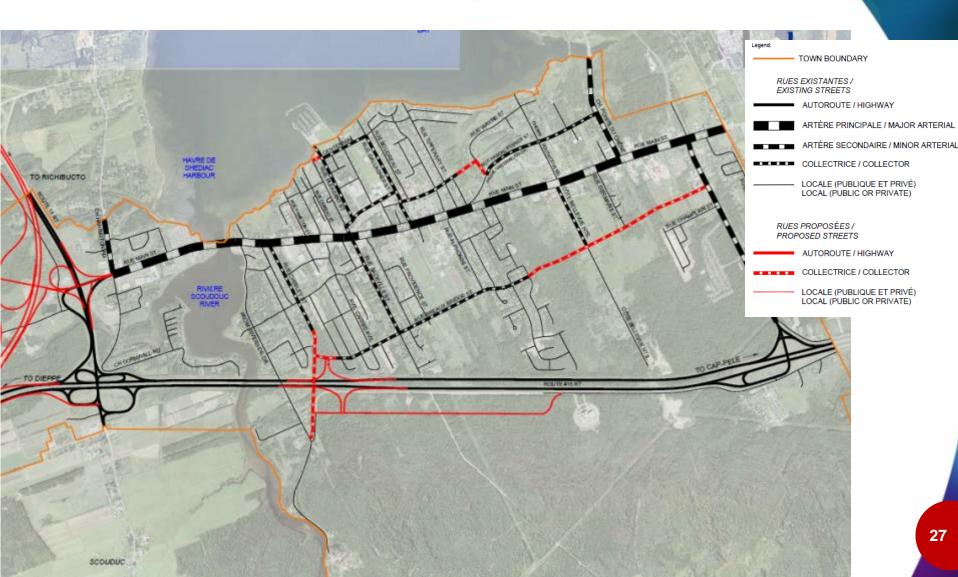
Years

5 to 10+ 1. Complete Breaux Bridge Extension to Ohio Road (1,500 m)



Street Classification

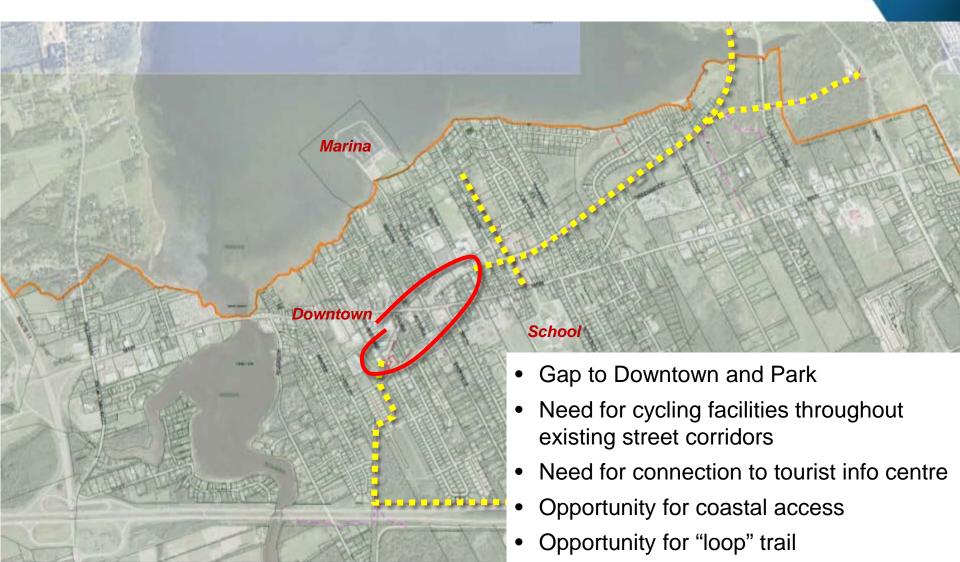
Recommended Classification Map





Existing Trails

Gaps and Opportunities



Active Transportation Network

Network Overview

- The recommended AT Network is made up of:
 - Primary AT Roadway Corridors
 - Primary AT Multi-Use Pathways
 - Secondary AT Roadway Corridors
 - Secondary AT Multi-Use Pathways



Active Transportation Network

Recommended Network Map



Active Transportation Network

Types of Facilities

Dedicated Bike Lanes

- Designated area for cyclists, separated from traffic by a solid white line.
- Applicable to arterial and major collector roadways





- Active Transportation Network

Types of Facilities

Wide Shared Lanes

- Shared roadway space for use by both vehicles and cyclists.
- Vehicles and cyclist normally operate side-by-side
- Marked by "Sharrows"
- Used on lower volume streets or where space does not permit dedicated bike lanes





- Active Transportation Network

Types of Facilities

Paved Shoulders

- 1.0-2.0m wide paved shoulders along roadways without curb
- May also be used by pedestrians
- Usually signed only (no markings)





- Active Transportation Network

Types of Facilities

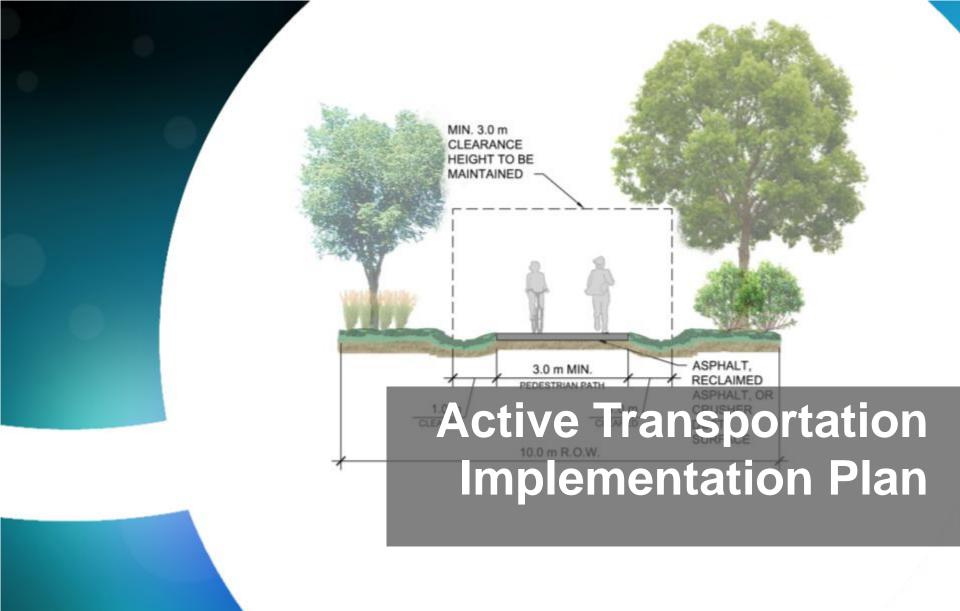
Multi-Use Pathways

- Wide (3.0m) trails for both pedestrians and cyclists
- Can be hard-surfaced or granular (crusher dust)
- Widely popular among users







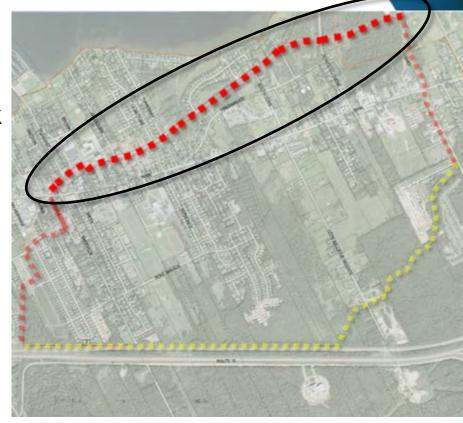




Project 1: Shediac AT Loop

• 0 to 2 years

- Complete pathway from Downtown to Parlee Beach Park
- Facility will be entirely multi-use pathway
 - Hard surface from Downtown to Sentier NB gate (1,000 m)
 - Granular surface from Sentier NB gate to Parlee Beach Park Road (1,900 m)
- Estimated Cost: \$370,000





Project 1: Shediac AT Loop

- 0 to 2 years
 - Belliveau Avenue Multi-use Pathway and intersection realignment





Project 1: Shediac AT Loop

2 to 5 years

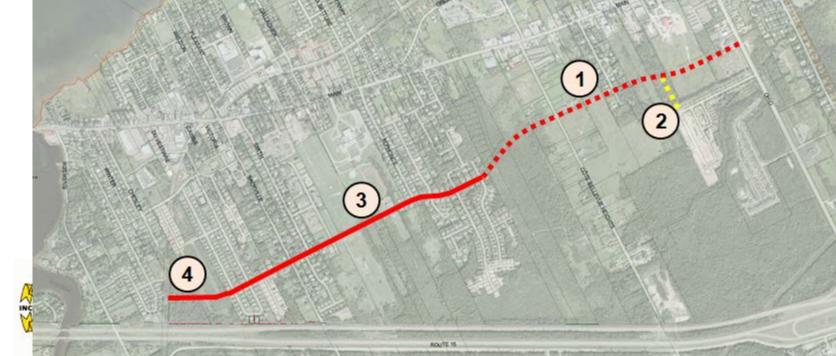
- Complete remaining loop (6.9 km)
- Shared on-street route on Victoria St
- Hard surface path along Harper
 Dr and Clarence Street
- Remaining is granular natural and roadside pathways
- Estimated Cost: \$600,000





Project 2: Breaux Bridge AT Route

	1. Secure corridor for future Breaux Bridge Extension to Ohio Road.	\$160,000
	Construct a granular pathway along this corridor (1,450 m).	
2 to 5	2. Connect multi-use pathway to Champlain Street (190 m)	\$21,000
Years	3. Continue to upgrade existing Breaux Bridge Street with bike lanes and sidewalk (1,000 m)	\$2,200,000
	4. Extend Breaux Bridge Street west with a roadside multi-use pathway (340 m)	\$850,000





Project 3: Main Street to Marina Route

0 to 2	Secure ROW or agreement for pathway corridor	N/A
Years		
	2. Construct granular pathway from Dock Street to Boishebert Street (350 m).	\$40,000
2 to 5	Boardwalks could be considered throughout wetland area.	
Years	3. Construct granular pathway from Weldon Street to Pleasant Street (80 m).	\$9,000
	4. Sign Dock Street and Shore Drive as Cycling Route/AT Route.	\$1,000





Project 4: Main Street AT Route

5 to 10 Years

- 1. Restripe Main Street with three vehicle lanes plus 1.5 m bike lanes on each side (710 m)
- 2. Construct roadside multi-use pathway from Tourist Information Centre to Dock Street and construct bridge over Scoudouc River (350 m)



Project 4: Main Street AT Route

5 to 10 Years

- 3. Widen Main Street to accommodate 3 vehicle lanes plus 1.5 m bike lanes (370 m)
- 4. Implement shared lanes and curb extensions on Main Street through the Downtown (380 m)
- 5. Upgrade Main Street/Sackville Street intersection to provide sufficient width for shared lanes and other improvements.



Project 4: Main Street AT Route

5 to 10 Years

- 6. Implement shared lanes on Main Street from Sackville Street to Monique Street (1,290 m) (or explore options for a roadside multi-use trail)
- 7. Restripe Main Street with three vehicle lanes plus 1.5 m bike lanes from Monique Street to west of Ohio Road (1,350 m)
- 8. Upgrade Main Street/Pointe du Chene Road intersection with a westbound right turn lane and continuous bike lanes in each direction.



Project 5: School to Shore Route

• 5 to 10 years

- 1. Construct hard-surface pathway on the edge of the school property from Main Street to Breaux Bridge Street (800 m).
- 2. Construct granular pathway from Boudreau Street to the shoreline (70 m)





Summary

- In 5 years, the Town will have:
 - 12 km of formalized multi-use pathways
 - 1.5 km hard surface paths
 - 10.5 km of granular surface paths
 - Plus several streets with on-street bicycle facilities/routes
- Provides significant opportunities for
 - Recreation
 - Alternative travel options
 - Tourism
 - Quality of Life



