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Proposed Service Adjustments 2019/20



Proposed Service Adjustments 2019/20

This Annual Service Plan outlines the fourth year of service adjustments for Halifax Transit's Moving Forward Together Plan. This redesigned transit network represents a significant improvement to existing transit service in Halifax. It prioritizes service to areas with high ridership and areas with higher ridership potential. It proposes new service in growth areas and reduces inefficient, low ridership services. It describes a network which is easier to understand and easier to navigate for existing and potential transit users and identifies a clear need for the introduction of Transit Priority Measures to make transit service faster and more competitive with private vehicles. It provides a more consistent and cohesive approach to service provision, designed to better meet the needs of residents today and into the future.



This network redesign was originally scheduled in phases of implementation over five years, with 2019/20 being the fourth year of execution. As the *Moving Forward Together Plan* outlines, the plan is contingent on resource availability and is subject to change. Several external factors, including a major project to implement new scheduling software, have reduced available resources for 2020/21 and therefore shifted the schedule. As outlined in this report, the large-scale changes in the Sackville area have been expedited and will take place in 2019/20 to strategically use resources as well as balance demand and upcoming projects. The implementation schedule for the 2019/20 year remains tentative and will depend upon detailed scheduling and availability of resources. Throughout the implementation, Halifax Transit will refine the plan, looking for efficiencies and opportunities to advance the implementation where possible.

Twelve conventional expansion vehicles will be received in 2019/20 that will increase service provision as described below.

Variability of this Plan

As the number of routes impacted by service changes increases, the more difficult it becomes to accurately anticipate the resources required to make the changes. As multiple routes undergo changes in service, not only is the service provided to customers impacted, but the changes also impact the underlying operational structure of the schedules, including interlining opportunities for routes, layovers, and deadheading. These operational elements can be more accurately estimated for smaller scale service changes, but the level of efficiencies that can be achieved when modifying multiple routes is less predictable. As a result, when service adjustments are operationalized, they may require more or less resources than anticipated.

Several groupings of potential service adjustments have been proposed for 2019/20, which can largely be implemented independently of one another. The groupings represent those changes that must be made together and the order in which they must be implemented. Halifax Transit aims to implement select service adjustment groupings on May 27, 2019, and November 25, 2019, however, this is subject to

resource availability and detailed schedule adherence data. Should it not be possible to implement all the adjustments outlined below, this would be outlined in the 2019/20 Q1 Report scheduled for presentation to the Transportation Standing Committee September 2019.

Detailed Service Adjustments

The following service adjustments are planned for implementation in 2019/20. Maps for all new routes can be found in Appendix A.

Grouping	Route	Details	Hours	Cost
	90	Routing extended on Route 90 Larry Uteck to include Bedford West	10,700	\$808,000
Α	196	Existing Route 86 Basinview Express will be renumbered to 196 Basinview Express	0	\$0
		Grouping A Total	10,700	\$808,000
	80	Route 80 Sackville replaced by new Corridor Route 8 Sackville	(46,500)	(\$3,410,000)
	82	Route 82 Millwood will be replaced by new Routes 85/185 Millwood and 82/182 First Lake	(15,900)	(\$1,245,000)
	83	Route 83 Springfield will be replaced by new Route 83/183 Springfield	(4,900)	(\$368,000)
	84	Route 84 Glendale will be replaced by new Route 84 Glendale	(11,600)	(\$1,011,000)
	85	Route 85 Downsview Express will be discontinued	(1,600)	(\$141,000)
	87	Route 87 Glendale replaced by new Route 87 Sackville - Dartmouth	(17,200)	(\$1,407,000)
	88	Route 88 Bedford Commons replaced by new Route 88 Bedford Commons	(1,800)	(\$129,000)
	185	Route 185 Sackville Link replaced by new express Routes 183, 185, and 186	(14,300)	(\$1,418,000)
	400	Route 400 Beaver Bank replaced by new Route 86/186 Beaver Bank	(4,400)	(\$400,000)
_	64	Route 64 Akerley replaced by new Route 64 Burnside	(5,800)	(\$410,000)
В	66	Route 66 Penhorn service will terminate at Highfield Terminal	(7,300)	(\$646,000)
	8	New Corridor Route 8 Sackville	57,200	\$4,012,000
	64	New Route 64 Burnside	10,500	\$785,000
	82/182	New Local/Express Route 82 First Lake/182 First Lake Express	14,600	\$1,268,000
	83/183	New Local/Express Route 83 Springfield/183 Springfield Express	9,500	\$791,000
	84	New Route 84 will run all day, seven days a week	20,400	\$1,869,000
		New Local/Express Route 85 Millwood/182 Millwood Express	14,500	\$1,245,000
	86/186	New Local/Express Route 86 Beaver Bank/186 Beaver Bank Express	10,700	\$903,000
	87	New Route 87 Sackville - Dartmouth	16,000	\$1,359,000
	88	New Route 88 Bedford Commons	5,400	\$390,000
		Grouping B Total	27,400	\$2,037,000
	81	Route 81 Hemlock Ravine replaced by new Route 91 Hemlock Ravine	(13,500)	(\$908,000)
	89	Route 89 Bedford will be discontinued	(6,400)	(\$497,000)
С	91	New Route 91 Hemlock Ravine will replace Route 81 Hemlock Ravine	15,800	\$1,135,000
	93	New Route 93 Bedford Highway	3,400	\$151,000
		Grouping C Total	(700)	(\$119,000)
	5	Route 5 Springvale will be replaced by New Route 26 Springvale	(1,200)	(\$73,000)
	15	(5,200)	(\$396,000)	
	25	New Route 25 Governors Brook	7,900	\$561,000
D	26	New Route 26 Springvale will terminate at Mumford Terminal	700	\$48,000
	127	Existing Route 32 Cowie Hill Express will be renumbered to 127 Cowie Hill Express	0	\$0
	415	New Rural Route 415 Purcells Cove	2,500	\$115,000
		Grouping D Total	4,800	\$255,000
		Grand Total	42,300	\$2,982,000

Moving Forward Together Plan - Subsequent Revisions

The following list outlines discrepancies between routes and services originally outlined in the *Moving Forward Together Plan* and *Annual Service Plans*.

Route 29 Barrington

• Route 29 will be adjusted in the outbound direction only, to avoid entering Mumford Terminal due to capacity issues. The route will instead stop on Mumford Road.

Route 194 West Bedford Express

• This existing route will be amended to service the first entrance of Broad Street from Larry Uteck Boulevard to better serve the greater density of potential ridership.

Route 415 Purcells Cove

 This existing route will be amended to terminate at Mumford Terminal as opposed to continuing to Bayer Road Shopping Centre.

Route number amendments for administrative reasons:

- Route 186 Basinview Express shown in the *Moving Forward Together Plan,* has been renumbered and will be implemented in May 2019 as Route 196 Basinview Express.
- Routes 89 Beaver Bank and 189 Beaver Bank Express shown in the Moving Forward
 Together Plan, have been changed and will be Route 86 Beaver Bank and 186 Beaver
 Bank Express respectively.

Grouping A:

Conventional

Route 90 Larry Uteck

• This existing route will be amended to extend service to West Bedford via Larry Uteck Boulevard, Broad Street, Gary Martin Drive to Innovation Drive.

Grouping B:

Conventional

Routes 64 Akerley, 80 Sackville, 82 First Lake, 83 Springfield, 87 Glendale and 88 Bedford Commons

• These existing routes will be discontinued and replaced with new routes.

Corridor Route 8 Sackville

• This new route will provide corridor level service between communities in Sackville and Downtown Halifax, following the same routing as the existing Route 80 Sackville.

Route 64 Burnside

- This new route will provide service between Marketplace Drive/Wrights Cove and Highfield Terminal.
- This route will provide service in Burnside Industrial Park in areas where Route 64 Akerley and 66 Penhorn are to be discontinued.

Route 66 Penhorn

- This existing route will have a routing adjustment to terminate at Highfield Terminal, no longer providing service to Cobequid Terminal or within Burnside Industrial Park.
- This route will maintain existing levels of service.
- Service on Dartmouth Road and Bedford Highway, between Highfield Terminal and Cobequid Terminal will be replaced by new Route 87 Sackville-Dartmouth.
- Service in Burnside Industrial Park will be replaced, in part, by the new Route 64 Burnside.
- This route will be removed and replaced with new routes in future phases of the Moving Forward Together Plan implementation.

Route 82 First Lake

- This new route will provide service between Sackville Terminal and Cobequid Terminal, via First Lake Drive.
- This route will not provide service on Millwood Drive, where service will be provided by the new Route 85 Millwood.

Route 83 Springfield

- This new route will provide service between Springfield Estates and Sackville Terminal.
- This new route will expand service into new areas of Middle Sackville including the following streets: Beaconsfield Way, Darlington Drive, Hanwell Drive and Swindon Drive as well as Melham Drive and Crossfield Ridge.

Route 84 Glendale

- The new Route 84 Glendale will provide service between Sackville Terminal and Downtown Halifax following similar routing to the existing Route 84 Glendale Express.
- Unlike the existing Route 84 Glendale Express, this route will provide service throughout the service day and on weekends, and will service all bus stops along the route.
- This route will not provide service between Scotia Square and Summer Street.

Route 85 Millwood

- This new route will provide service between Millwood subdivision and Sackville Terminal.
- This new route will replace service on portions of Millwood Drive, where Route 82 First Lake has been removed.

Route 86 Beaver Bank

- This new route will provide service between on Beaver Bank Road between Kinsac Road and Sackville Terminal.
- Service beyond Kinsac Road will be discontinued.
- School trips will no longer service Woodbine Drive, Glen Rise Drive and Welkin Drive.
- This local route will provide an increased level of service compared to the Rural Route 400 Beaver Bank, which will be removed.

Route 87 Sackville - Dartmouth

- This new route will provide service between Sackville Terminal and Dartmouth Bridge Terminal.
- This route will travel on Sackville Drive, and will replace service on Bedford Highway and Dartmouth Road where Route 66 Penhorn will be removed.

Route 88 Bedford Commons

- This new route will provide service between Sackville Terminal and Bedford Commons, travelling via Old Sackville Road and Cobequid Terminal.
- This route will provide an increased level of service compared to the existing Route 88 Bedford Commons.

Express

As described in the *Moving Forward Together Plan*, new express routes are a hybrid of the successful MetroLink and the former Urban Express services. As new express routes are implemented, they will replace existing express routes and MetroLink service in communities, and these former route categories will be phased out. New express routes are being numbered between 100 and 199 and will take cost the regular fare.

The following describes express route adjustments in grouping B, including the removal of Route 185 Sackville Link which will be replaced by express routes 183, 185 and 186. These routes will provide service in their own local area, and combine to provide similar peak hour frequency between Sackville Terminal and Downtown Halifax as the existing Route 185 Sackville Link.

Routes 84 Glendale Express, 85 Downsview Express, 86 Basinview Express & 185 Sackville Link

These existing express routes will be discontinued or replaced with new routes.

Route 182 First Lake Express

- This new route will provide peak hour express service from the First Lake Drive and surrounding areas to Downtown Halifax in the AM peak and in the opposite direction at PM peak.
- This new route will follow the same routing, in the local area, as the new Route 82 First Lake, before continuing its routing from the Cobequid Terminal to the downtown business district.

Route 183 Springfield Express

- This new route will provide peak hour express service from the Springfield Estates and surrounding areas to Downtown Halifax in the AM peak and in the opposite direction at PM peak.
- This new route will follow the same routing, in the local area, as the new Route 83
 Springfield, before continuing its routing from the Sackville Terminal to the downtown business district.
- This route, combined with Routes 185 and 186, will replace peak hour service previously provided by Route 185 Sackville Link

Route 185 Millwood Express

- This new route will provide peak hour express service from the Millwood subdivision and surrounding areas to Downtown Halifax in the AM peak and in the opposite direction at PM peak.
- This new route will follow the same routing, in the local area, as the new Route 85
 Millwood, before continuing its routing from the Sackville Terminal to the downtown business district.
- This route, combined with Routes 183 and 186, will replace peak hour service previously provided by Route 185 Sackville Link.

Route 186 Beaver Bank Express

- This new route will provide peak hour service from the Beaver Bank Road to Downtown Halifax in the AM peak and in the opposite direction at PM peak.
- This new route will follow the same routing, in the local area, as the new Route 86 Beaver Bank, before continuing its routing from the Sackville Terminal to the downtown business district.
- This route, combined with Routes 183 and 185, will replace peak hour service previously provided by Route 185 Sackville Link.

Route 196 Basinview Express

- The existing Route 86 will be renumbered to Route 196 Basinview Express, allowing Route number 86 to be used for the Beaver Bank routes 86/186.
- This route will continue the same routing as the existing Route 86 Basinview, with the same level of service. This route will have service level changes implemented in future phases of the *Moving Forward Together Plan* implementation.

Rural Routes

Route 400 Beaver Bank

• The existing Rural Route 400 Beaver Bank will be discontinued and partially replaced by the new Routes 86 Beaver Bank / 186 Beaver Bank Express.

Grouping C:

Conventional

Routes 81 Hemlock Ravine and 89 Bedford

• These existing routes will be discontinued and will be partially replaced by new Route 91 Hemlock Ravine.

Route 91 Hemlock Ravine

- This new route will provide service between West Bedford and Mumford Terminal, via Bedford South and Bedford Highway.
- This route will expand service to new areas including Starboard Drive, Nine Mile Drive,
 Oceanview Drive, and Moirs Mill Road.

Route 93 Bedford Highway

- This new route provide service between Bedford and downtown Halifax via Bedford Highway.
- This new route will travel to Scotia Square via Lady Hammond Road, Devonshire Avenue, and Barrington Street.

Grouping D:

Conventional

Route 5 Chebucto

• This route will be discontinued and partly replaced by new Route 26 Springvale.

Route 15 Purcells Cove

 This existing route will be discontinued and replaced by new Rural Route 415 Purcells Cove.

Route 25 Governors Brook

- This new route will provide service between the subdivision of Governors Brook and Mumford Terminal via Williams Lake Road and Purcells Cove Road.
- This new route replaces service during the off-peak and weekend periods on Purcells
 Cove Road, inbound from Williams Lake Road, where Route 15 service during the offpeak period has been discontinued.

Route 26 Springvale

- This new route will provide service between Springvale and Mumford Terminal.
- This route will follow the same routing as the existing Route 5 Chebucto, but will not continue beyond Mumford Terminal to Downtown Halifax.

Express

Route 32 Cowie Hill Express

• This existing route will be replaced by new Express Route 127 Cowie Hill.

Express Route 127 Cowie Hill

- This new route will provide peak hour express service from Cowie Hill and surrounding areas to Downtown Halifax in the AM peak and in the opposite direction at PM peak.
- This new route will have the same level of service and follow similar routing as Route 32 Cowie Hill Express, travelling on Chebucto Road instead of Quinpool Road.

Rural Routes

Route 415 Purcells Cove

- This new rural route will provide service between York Redoubt and Mumford Terminal via Purcells Cove Road during the weekday peak period.
- This route will not travel to Bayers Road Shopping Centre, instead terminating inbound at Mumford Terminal.

Potential Additional Service Adjustments

If during the implementation period, more scheduling efficiencies occur than anticipated, resulting in more available resources than were planned for, Halifax Transit staff will review opportunities to advance the implementation of additional aspects of the *Moving Forward Together Plan* ahead of schedule. Opportunities to advance implementation are often limited due to the integrated nature of routes, and in 2019/20 could include adding trips to express services or adding frequency to routes. Any additional service adjustments would be outlined in a quarterly report to the Transportation Standing Committee prior to the implementation date of November 25, 2019.

Service Ouality & Reliability

When implementing the service adjustments found in this *Annual Service Plan*, Halifax Transit will analyze automated vehicle location (AVL) data, including schedule adherence and running time data, to ensure that the resultant routes have a high level of reliability. After implementation, quarterly route performance reports will be analyzed to identify schedules that require further adjustments.

Macdonald Bridge Impacts

Halifax Transit ceased operating shuttle services across the MacKay Bridge and returned to regular planned routing November 27, 2017. Any further requirements to close the bridge will impact scheduled services, as buses will be detouring via the MacKay bridge.

Appendices

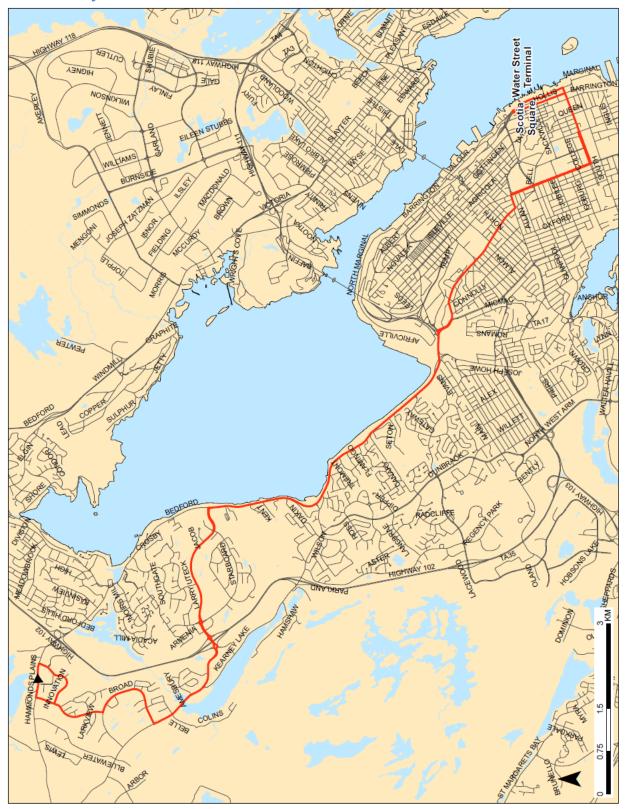
- A. 2019/20 New Route Maps
- B. Route Implementation Progress



Appendix A: 2019/20 New Route Maps

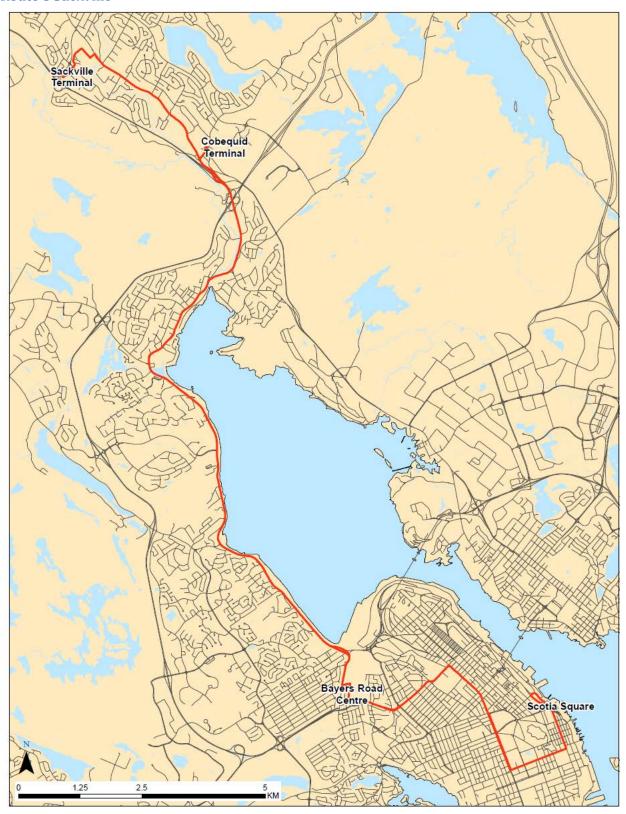
Grouping A:

Route 90 Larry Uteck

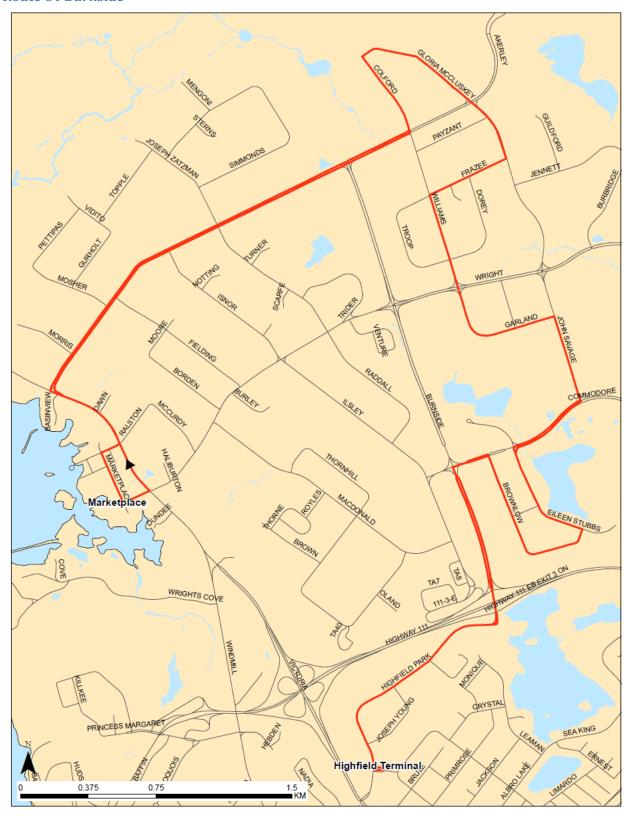


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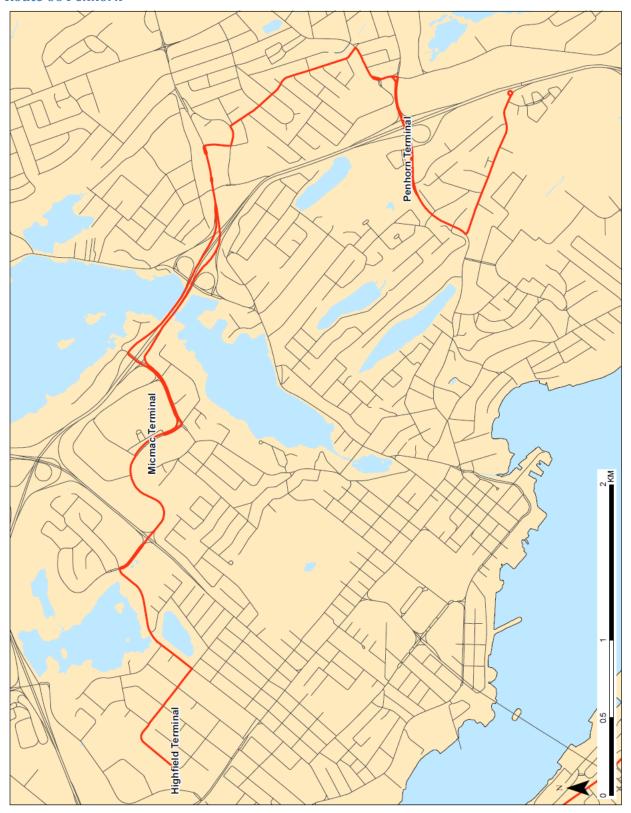
Route 8 Sackville



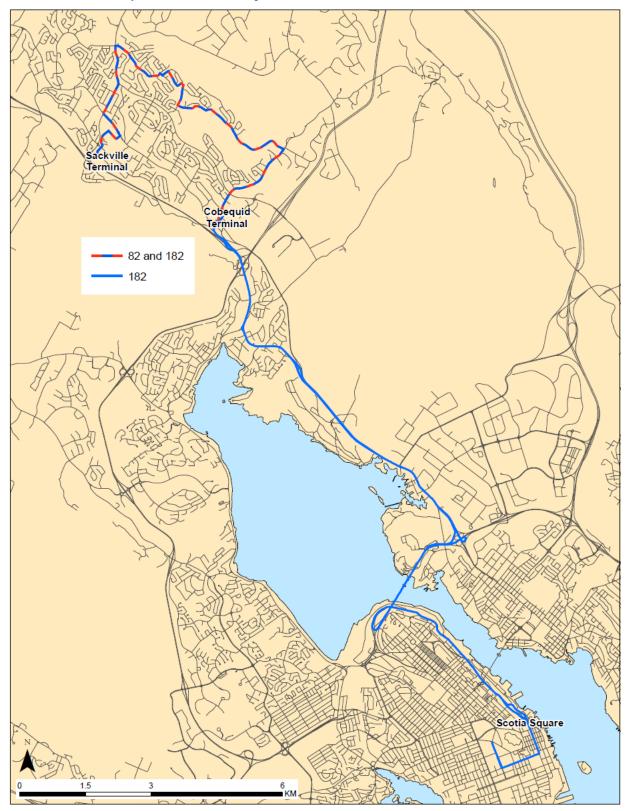
Route 64 Burnside



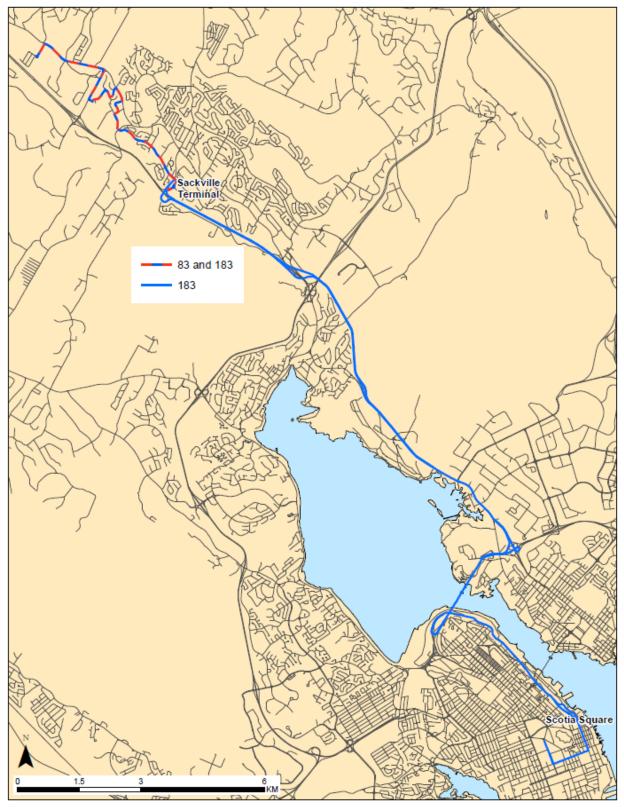
Route 66 Penhorn



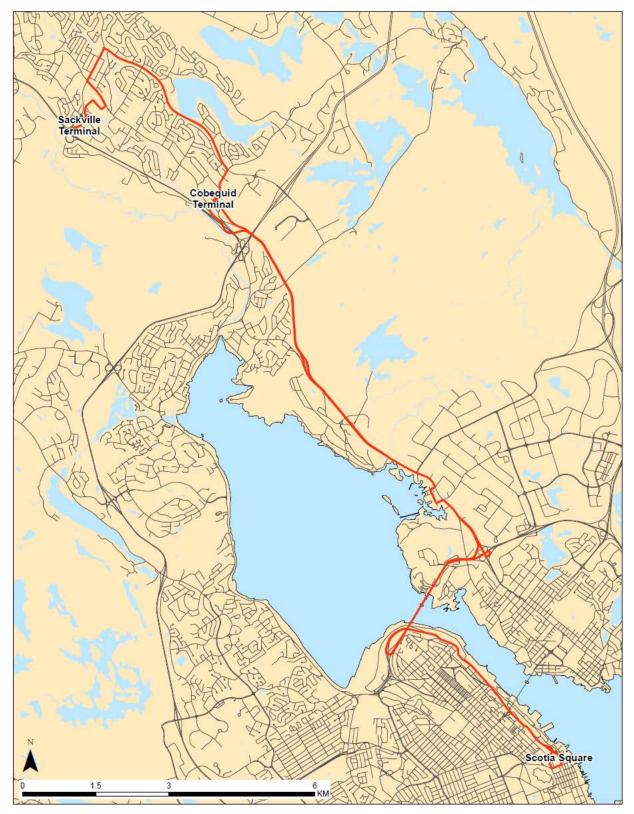
Route 82 First Lake / 182 First Lake Express



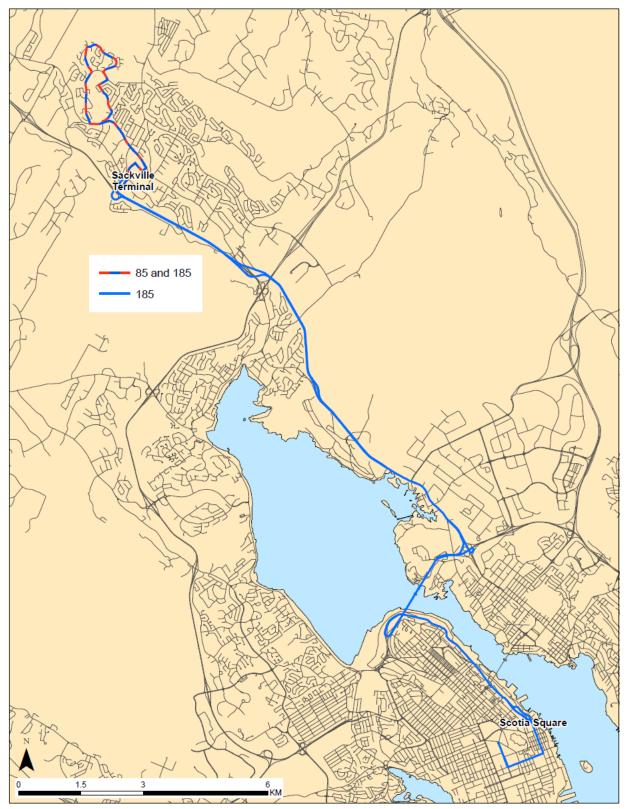
Route 83 Springfield / 183 Springfield Express



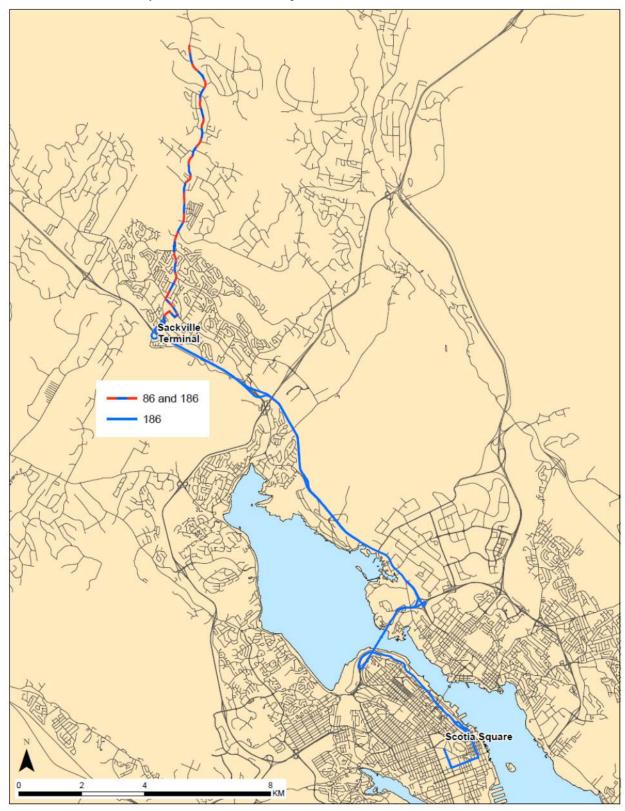
Route 84 Glendale



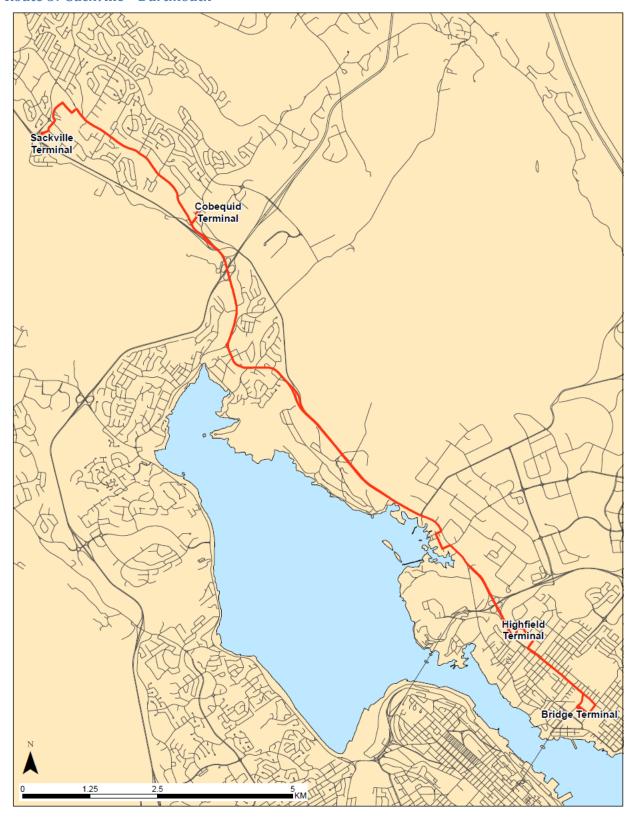
Route 85 Millwood / 185 Millwood Express



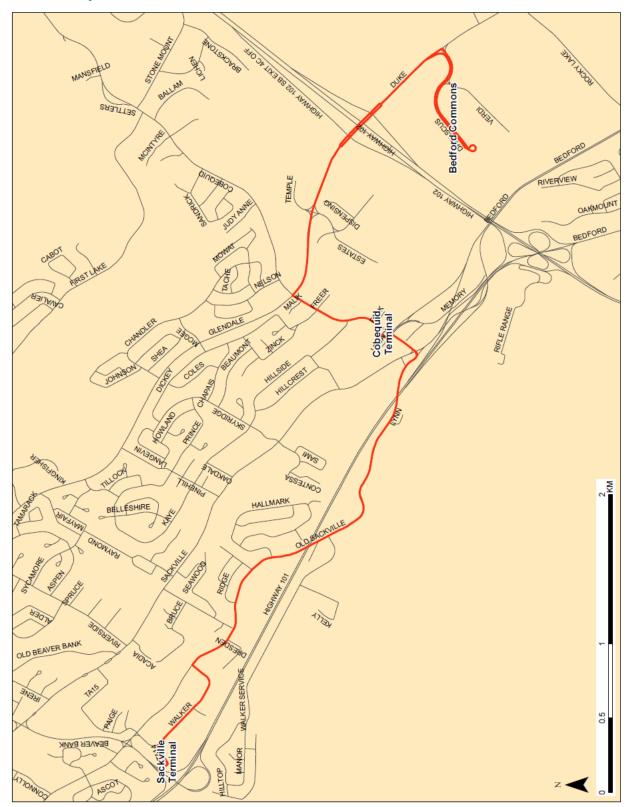
Route 86 Beaver Bank / 186 Beaver Bank Express



Route 87 Sackville - Dartmouth

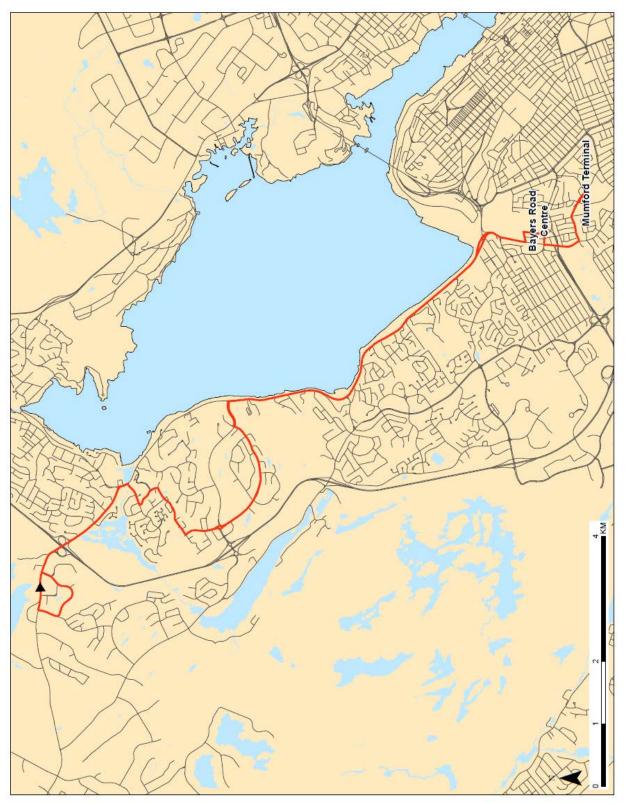


Route 88 Bedford Commons

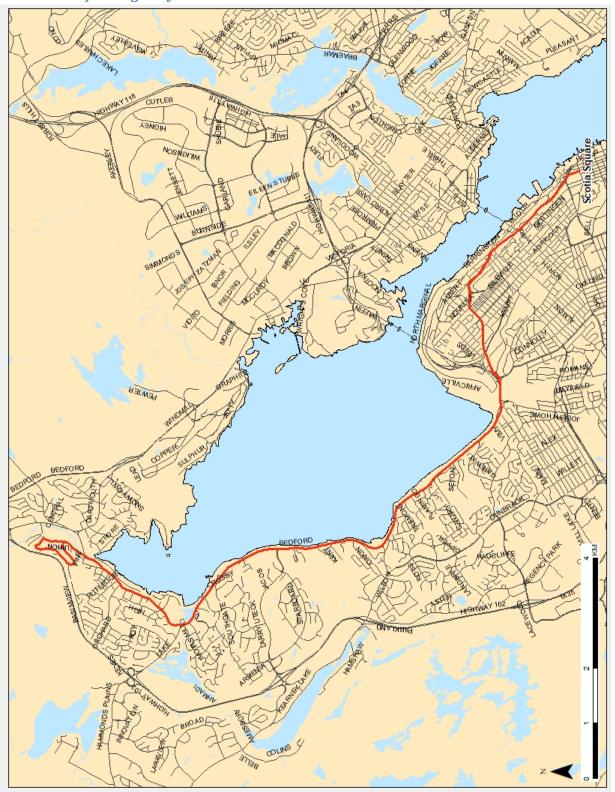


Grouping C:

Route 91 Hemlock Ravine

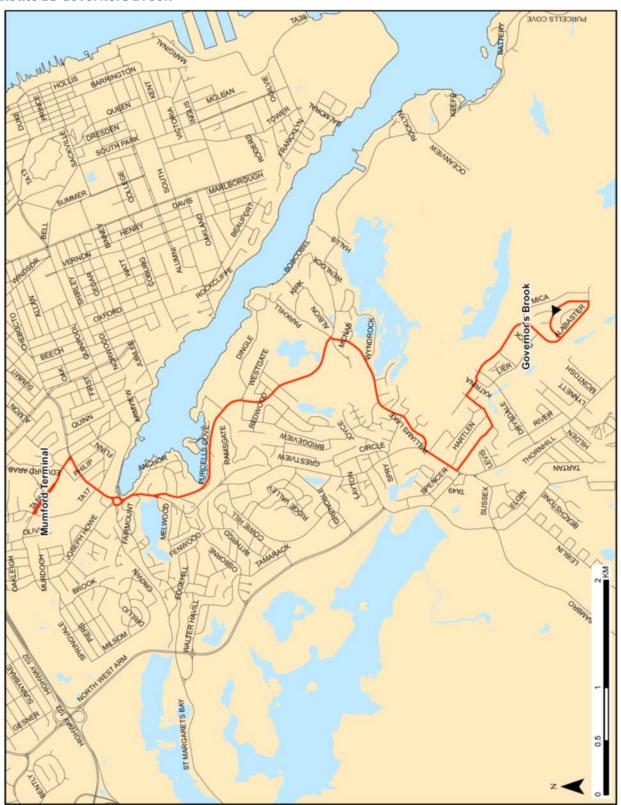


Route 93 Bedford Highway

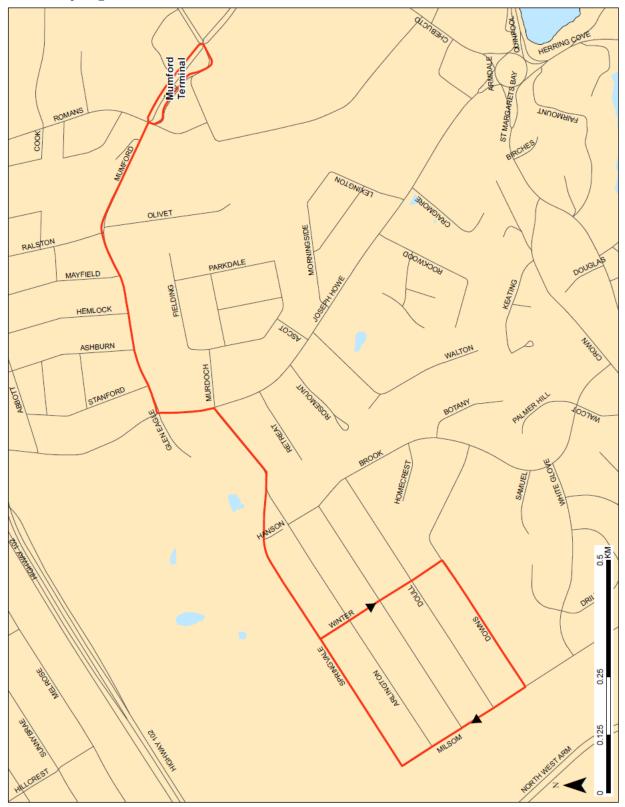


Grouping D:

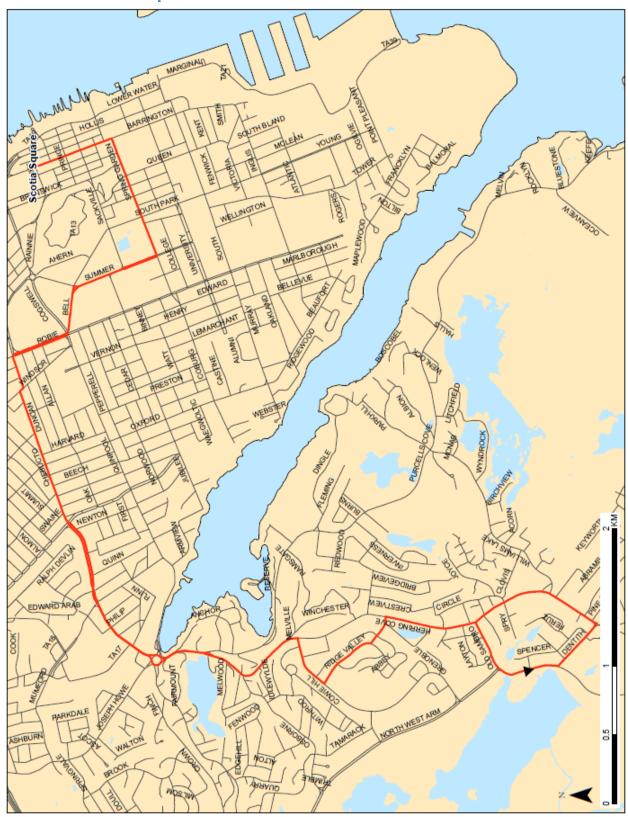
Route 25 Governors Brook



Route 26 Springvale



Route 127 Cowie Hill Express



Rural Route 415 Purcells Cove



Appendix B: Route Implementation Progress

Route Implementation Chart

Service Type	Route #	Route Name	2016/17	2017/18	2018/19	2019/20
	1	Spring Garden				
	2	Fairview			V	
	3	Crosstown			V	
	4	Universities			V	
	5	Portland				
Corridor	6	Eastern Passage				
	7	Peninsula				
	8	Sackville				
	9	Herring Cove		V		
	10	Micmac				
	21	Timberlea			V	
	22	Armdale		✓		
	24	Leiblin Park				
	25	Governors Brook				
	26	Springvale				
	28	Bayers Lake			V	
	29	Barrington		V		
	30	Clayton Park West			V	
	39	Flamingo			V	
	50	Dockyard/Shipyard				
	51	Windmill				
	53	Highfield				
	54	Montebello				
	55	Port Wallace				
	56	Dartmouth Crossing *	☑ Phase 1			
	57	Portland Estates				
	58	Woodlawn				
Land	59	Colby				
Local	61	North Preston				
	62	Grahams Grove				
	63	Mount Edward				
	64	Burnside				
	65	Caldwell				
	67	Baker Drive				
	68	Cherry Brook				
	72	Portland Hills				
	82	First Lake				
	83	Springfield				
	84	Glendale				
	85	Millwood				
	86	Beaver Bank				
	87	Sackville - Dartmouth				
	88	Bedford Commons				
	90	Larry Uteck				
	91	Hemlock Ravine				
	93	Bedford Highway				

Service Type	Route #	Route Name	2016/17	2017/18	2018/19	2019/20
	123	Timberlea Express			>	
	127	Cowie Hill Express				
	135	Flamingo Express			✓	
	136	Farnham Gate Express			✓	
	137	Clayton Park Express			✓	
	138	Parkland Express			✓	
	158	Woodlawn Express				
	159	Colby Express				
	161	North Preston Express				
	165	Caldwell Express				
Express	168	Cherry Brook Express				
	178	Mount Edward to Ferry Express				
	179	Cole Harbour to Ferry Express				
	182	First Lake Express				
	183	Springfield Express				
	185	Millwood Express				
	186	Beaver Bank Express				
	192	Southgate Express				
	194	West Bedford Express		V		
	195	Starboard Express				
	196	Basinview Express				
	310	Middle Sackville Regional Express				
Regional	320	Airport MetroX				
Express	330	Tantallon Regional Express	<u><</u>			
	370	Porters Lake Regional Express		>		
	401	Porters Lake				
Rural	415	Purcells Cove				
	433	Tantallon			Y	
	701	Halifax West				
School	726	Citadel				
	735	Clayton Park				



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