

Page #	Project Name	Old Project #	New Project #	2019/20 Workplan	2019/20 Carry Forward	2019/20 Gross	2019/20 Funding	2019/20 Net
D1	Access-A-Bus Replacement	CVD00430	CVD00430	634,327	54,327	580,000	-	580,000
D2	Burnside Transit Centre Roof Repairs	CB000082	CB000082	3,678,847	878,847	2,800,000	-	2,800,000
D3	Bus Maintenance Equip Replace	CM000005	CM000005	335,764	335,764	-	-	-
D4	Bus Stop Accessibility/Improve	CM000012	CM190002	350,000	-	350,000	-	350,000
D5	Conventional Bus Replacement	CV020006	CV020006	15,734,174	334,174	15,400,000	6,160,000	9,240,000
D6	Ferry Refit	CM180007	CM180007	476,413	188,413	288,000	-	288,000
D7	Ferry Terminal Pontoon Rehab	CBX01171	CBX01171	-	-	-	-	-
D8	Halifax Ferry Terminal	CB000039	CB000039	278,792	278,792	-	-	-
D9	MFTP Implementation	CM180008	CM180008	7,624,376	23,376	7,601,000	2,000,000	5,601,000
D10	Mid-Life Bus Rebuild	CM180004	CM180004	284,158	108,158	176,000	-	176,000
D11	New Transit Technology	CM180005	CM180005	10,638,222	10,138,222	500,000	-	500,000
D12	Sustainable Fuel Strategy	CM180001	CM180001	116,594	116,594	-	-	-
D13	Transit Facility Invest Strategy	CB000016	CB000016	535,572	35,572	500,000	121,000	379,000
D14	Transit Priority Measures	CM000009	CM000009	974,536	334,536	640,000	-	640,000
D15	Transit Priority Measures Corridors	CM000014	CM000014	3,501,127	1,127	3,500,000	3,500,000	-
D16	Transit Strategy	CMU01095	CMU01095	192,671	192,671	-	-	-
D17	Transit Support Vehicle Replace	CV000004	CV000004	-	-	-	-	-
D18	Woodside Ferry Terminal Upgrade	CB000042	CB000042	2,494,318	494,318	2,000,000	-	2,000,000
Grand Total				47,849,891	13,514,891	34,335,000	11,781,000	22,554,000

2019/20 Capital Budget Form

Project Name: Access-A-Bus Replacement	Est. Start Date: Apr-19
Project Number: CVD00430	Est. Completion Date: Mar-20
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Bundled	Project Manager: Jacqueline Pepper, William Cutler
Multi-Year: No	Asset Steward: Manager, Bus Maintenance

Project Summary

This project includes the replacement of the para-transit fleet vehicles at the end of their useful life. Replacing older Access-A-Bus vehicles ensures safe and reliable para-transit service delivery; reduces maintenance costs and generally provides for a more environmentally-friendly public transportation system.

Total Project Budget: n/a

Budget Estimate Confidence: +-10%

Project Budget by Year

	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Fiscal Year						
Gross Budget:	7,096,183	580,000	1,275,000	990,000	8,731,072	18,672,255
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	7,096,183	580,000	1,275,000	990,000	8,731,072	18,672,255

Impact on Operating Budget:

There will be no significant change to the Operating Budget as a result of this project. If the buses are not replaced during this timeline, the Operating budget will increase slightly in 2020/2021.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Delivery of up to 6 buses by March 31, 2020	634,327
Total Estimated Work Plan	634,327
Less Projected Carry Forward from Previous Years	54,327
Gross Budget Request	580,000

2019/20 Capital Budget Form

Project Name: Burnside Transit Ctr Roof Repairs	Est. Start Date: Jun-18
Project Number: CB000082	Est. Completion Date: Mar-20
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Discrete	Project Manager: John MacPherson
Multi-Year: Yes	Asset Steward: Mgr, Mun. Facilities Maintenance/Ops

Project Summary

The Burnside Transit Centre provides for maintenance and storage of buses. The roof and rooftop air handling units have reached the end of their useful life and require replacement to achieve an extended life while the plans for the new transit centre are developed. This project will allow for necessary repairs to maintain a dry and safe working environment.

Total Project Budget: 5,300,000

Budget Estimate Confidence: +-25%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	2,500,000	2,800,000	-	-	-	5,300,000
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	2,500,000	2,800,000	-	-	-	5,300,000

Impact on Operating Budget:

This work will reduce operating budget by reducing short term repair work and reducing heat loss from the building.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Phase 2 Roof Repair Work	3,678,847
Total Estimated Work Plan	3,678,847
Less Projected Carry Forward from Previous Years	878,847
Gross Budget Request	2,800,000

2019/20 Capital Budget Form

Project Name: Bus Maintenance Equip Replace	Est. Start Date: Apr-19
Project Number: CM000005	Est. Completion Date: Mar-20
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Bundled	Project Manager: William Cutler
Multi-Year: No	Asset Steward: Manager, Bus Maintenance

Project Summary

There are a number of large pieces of equipment used in the maintenance of public transit vehicles such as hoists, lifts, cranes, etc. This project includes the replacement of these larger pieces of equipment that are at the end of their expected life at the Ragged Lake Transit Centre (RLTC) and Burnside Transit Centre (BTC) garages. Vehicle hoists are required to lift transit vehicles for maintenance activities.

Total Project Budget: n/a

Budget Estimate Confidence: +-25%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	1,525,000	-	300,000	300,000	-	2,125,000
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	1,525,000	-	300,000	300,000	-	2,125,000

Impact on Operating Budget:

No impact on Operating Budget.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Procurement and Installation of a maintenance hoist	300,000
Carry Forward to 2020/21	35,764
Total Estimated Work Plan	335,764
Less Projected Carry Forward from Previous Years	335,764
Gross Budget Request	-

2019/20 Capital Budget Form

Project Name: Bus Stop Accessibility/Improve	Est. Start Date: Annual Program
Project Number: CM190002	Est. Completion Date: Annual Program
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Bundled	Project Manager: Amy Power
Multi-Year: No	Asset Steward: Manager, Road Ops & Construction

Project Summary

This purpose of this project is to enhance and improve the accessibility and amenities at transit stops to provide safe and accessible entry to the conventional transit system. Work done each year includes the installation of new concrete landing pads, repair, replacing, and upgrading existing pads, other physical changes to improve accessibility, replacing bus shelters, installing new bus shelters, installation of benches, and potential installation of other amenities such as schedule information/maps.

Total Project Budget: n/a

Budget Estimate Confidence: +-5%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	683,209	350,000	350,000	350,000	1,645,000	3,378,209
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	683,209	350,000	350,000	350,000	1,645,000	3,378,209

Impact on Operating Budget:

Operating costs of new shelters are accounted for under an existing contract. There is an impact on incremental snow clearing costs for new landing pads and for new shelters.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Bus Stop work associated with Moving Forward Together Plan changes	200,000
Bus stop accessibility work - landing pads and shelters - pre-existing bus stops	150,000
Total Estimated Work Plan	350,000
Less Projected Carry Forward from Previous Years	
Gross Budget Request	350,000

2019/20 Capital Budget Form

Project Name: Conventional Bus Replacement	Est. Start Date: Annual Program
Project Number: CV020006	Est. Completion Date: Annual Program
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Bundled	Project Manager: Jacqueline Pepper/William Cutler
Multi-Year: No	Asset Steward: Manager, Bus Maintenance

Project Summary

Recapitalization of the Halifax Transit Fleet includes the acquisition of transit buses to replace an aging fleet. The buses being replaced have reached their optimal lifecycle. Replacement at this time period mitigates costly mechanical and structural rebuilds and reduces maintenance costs; increases service reliability and reduces harmful air contaminants.

Total Project Budget: n/a

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	9,540,580	15,400,000	14,000,000	26,500,000	107,750,000	173,190,580
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Cost Sharing	-	6,160,000	9,400,000	17,735,000	-	33,295,000
Total Funding:	-	6,160,000	9,400,000	17,735,000	-	33,295,000
Net Budget:	9,540,580	9,240,000	4,600,000	8,765,000	107,750,000	139,895,580

Impact on Operating Budget:

There will be no significant change to the Operating Budget as a result of this project. If the buses are not replaced during this timeline, the Operating budget will increase significantly in 2020/2021.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Delivery of up to 25 buses by March 31, 2020	15,734,174
Total Estimated Work Plan	15,734,174
Less Projected Carry Forward from Previous Years	334,174
Gross Budget Request	15,400,000

2019/20 Capital Budget Form

Project Name: Ferry Refit	Est. Start Date: Annual Program
Project Number: CM180007	Est. Completion Date: Annual Program
Budget Category: Halifax Transit	Supports Priority Area: Service Delivery
Project Type: Asset Renewal	
Discrete/Bundled: Bundled	Project Manager: Spicer, Mike
Multi-Year: No	Asset Steward: Manager, Transit Operations

Project Summary

Annual ferry refurbishment is a requirement under federal regulations. Each year starting in 2019, Halifax Transit will dry dock one vessel and perform the regulated requirements and refurbishments to keep each vessel in good working order.

Total Project Budget: n/a

Budget Estimate Confidence: +-35%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	312,404	288,000	600,000	600,000	4,200,000	6,000,404
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	312,404	288,000	600,000	600,000	4,200,000	6,000,404

Impact on Operating Budget:

There are no impacts on operating budget. If the project is delayed, there could be increased maintenance costs.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Ferry Refit for one vessel	476,413
Total Estimated Work Plan	476,413
Less Projected Carry Forward from Previous Years	188,413
Gross Budget Request	288,000

2019/20 Capital Budget Form

Project Name: Ferry Terminal Pontoon Rehab	Est. Start Date: Annual Program
Project Number: CBX01171	Est. Completion Date: Annual Program
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Bundled	Project Manager: Erin Blay
Multi-Year: No	Asset Steward: Manager, Transit Operations

Project Summary

Planned maintenance of the pontoons at all three terminals will continue to ensure they remain in a state of good repair. Corrective maintenance activities include steelwork, electrical work, repair and replacement of interior and exterior coatings, repairs to the cathodic protection system, and safety improvements. Additional project work includes the painting of the interior voids at Halifax and Alderney Ferry Terminals as per the condition survey completed in 2018.

Total Project Budget: n/a

Budget Estimate Confidence: +-25%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	6,805,784	-	600,000	250,000	1,750,000	9,405,784
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	6,805,784	-	600,000	250,000	1,750,000	9,405,784

Impact on Operating Budget:

No significant impact on operating budget.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Total Estimated Work Plan	-
Less Projected Carry Forward from Previous Years	
Gross Budget Request	-

2019/20 Capital Budget Form

Project Name: Halifax Ferry Terminal	Est. Start Date: Apr-17
Project Number: CB000039	Est. Completion Date: Jun-19
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Discrete	Project Manager: Erin Blay
Multi-Year: No	Asset Steward: Manager, Transit Operations

Project Summary

This project will fund the completion of the Halifax Ferry Terminal refresh project (anticipated for completion in June 2019) and the Halifax Ferry Terminal Land Use Optimization Study.

Total Project Budget: 1,330,000

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	1,330,000	-	-	-	-	1,330,000
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	1,330,000	-	-	-	-	1,330,000

Impact on Operating Budget:

No impact on operating budget associated with the repairs of this building.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Completion of Halifax Ferry Terminal refresh	278,792
Total Estimated Work Plan	278,792
Less Projected Carry Forward from Previous Years	278,792
Gross Budget Request	-

2019/20 Capital Budget Form

Project Name: MFTP Implementation	Est. Start Date: Apr-18
Project Number: CM180008	Est. Completion Date: Mar-20
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Growth	
Discrete/Bundled: Discrete	Project Manager: Erin Blay
Multi-Year: Yes	Asset Steward: Manager, Bus Maintenance

Project Summary

This project is for the implementation of year four of the Moving Forward Together Plan (MFTP). This is a multi-year project which reflects the implementation of the redesigned transit network. In 2019/20, an additional twelve buses will be added to the fleet complement to implement year four of the Moving Forward Together Plan.

Total Project Budget: 29,250,552

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	5,011,300	7,601,000	-	-	16,638,252	29,250,552
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Cost Sharing	-	2,000,000	-	-	-	2,000,000
Total Funding:	-	2,000,000	-	-	-	2,000,000
Net Budget:	5,011,300	5,601,000	-	-	16,638,252	27,250,552

Impact on Operating Budget:

The increase in conventional transit fleet will result in an increase in operating budget as it will require additional bus operators and maintenance staff, as well as an increase in fuel and maintenance activities.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	3,310,888	3,310,888	3,310,888	21,363,890	31,296,555
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Purchase of 12 expansion vehicles in order to implement year 4 of the Moving Forward Together Plan	7,624,376
Total Estimated Work Plan	7,624,376
Less Projected Carry Forward from Previous Years	23,376
Gross Budget Request	7,601,000

2019/20 Capital Budget Form

Project Name:	Mid-Life Bus Rebuild	Est. Start Date:	Annual Program
Project Number:	CM180004	Est. Completion Date:	Annual Program
Budget Category:	Halifax Transit	Supports Priority Area:	Transportation
Project Type:	Asset Renewal		
Discrete/Bundled:	Bundled	Project Manager:	Jacqueline Pepper/William Cutler
Multi-Year:	No	Asset Steward:	Manager, Bus Maintenance

Project Summary

The purpose of this initiative is to extend the life of conventional transit vehicles and defer the capital cost of new asset acquisition. This account is for component rebuild or replacement (engines, transmissions, axles) and structural rebuilds.

Total Project Budget: n/a

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	870,000	176,000	685,000	685,000	4,795,000	7,211,000
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	870,000	176,000	685,000	685,000	4,795,000	7,211,000

Impact on Operating Budget:

Operational budget will not increase as a result of this project.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

2019/20

10 Structural or Mechanical component rebuilds/replacements	284,158
Total Estimated Work Plan	284,158
Less Projected Carry Forward from Previous Years	108,158
Gross Budget Request	176,000

2019/20 Capital Budget Form

Project Name: New Transit Technology	Est. Start Date: May-13
Project Number: CM180005	Est. Completion Date: Mar-21
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Growth	
Discrete/Bundled: Discrete	Project Manager: Marc Santili
Multi-Year: Yes	Asset Steward:

Project Summary

A comprehensive technology roadmap for Halifax Transit was created to support its key business drivers with technology-enabled solutions. The roadmap includes 33 projects organized into 9 streams of activity. The Halifax Transit Technology Program was established to execute the roadmap strategy and manage the portfolio of projects. The program is guided by the technology roadmap, which identifies the recommended sequence of projects, estimated cost, and the requirement to implement best practice processes through sector-leading technology solutions.

Total Project Budget: 26,899,562

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	22,869,562	500,000	3,530,000	-	-	26,899,562
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	22,869,562	500,000	3,530,000	-	-	26,899,562

Impact on Operating Budget:

The various projects within the Halifax Transit Technology Program have the potential to both decrease and increase the operating budget for Halifax Transit. New hardware and software solutions will require support once operational, thereby requiring additional FTEs; however, efficiencies gained as a result of the new solutions will decrease the need for additional resources.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

Detailed Work Plan for 2019/20:	2019/20
P1. PMO (Project Resources)	2,500,000
P3. Fixed Route Planning Scheduling & Operations (Phase 1)	1,700,000
P3. Fixed Route Planning Scheduling & Operations (Phase 2 & 3)	125,000
P5. Fare Management (Phase 1)	5,063,222
P5. Fare Management (Phase 2 initiation)	500,000
P6. Paratransit	750,000
Total Estimated Work Plan	10,638,222
Less Projected Carry Forward from Previous Years	10,138,222
Gross Budget Request	500,000

2019/20 Capital Budget Form

Project Name: Sustainable Fuel Study	Est. Start Date: Feb-19
Project Number: CM180001	Est. Completion Date: Dec-19
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Growth	
Discrete/Bundled: Discrete	Project Manager: Jacqueline Pepper/William Cutler
Multi-Year: No	Asset Steward: Manager, Bus Maintenance

Project Summary

This project will fund a consultant's study on the types of fuels and technology used in power generation of public transit vehicles. Halifax Transit is seeking to understand the optimal mix of fuels and technology from both an environmental and return on investment perspective. This report will guide Halifax Transit's procurement strategy and infrastructure considerations associated with the 10 year capital plan.

Total Project Budget: 200,000

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	200,000	-	-	-	-	200,000
Project Specific Funding:						
Reserves		-	-	-	-	-
Other Funding		-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	200,000	-	-	-	-	200,000

Impact on Operating Budget:

The study will have no impact on the operating budget. Any recommendations implemented from the study will come forth under separate projects and have operating impacts considered at that time.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Consultant's Study	116,594
Total Estimated Work Plan	116,594
Less Projected Carry Forward from Previous Years	116,594
Gross Budget Request	-

2019/20 Capital Budget Form

Project Name:	Transit Facility Invest Strategy	Est. Start Date:	Annual Program
Project Number:	CB000016	Est. Completion Date:	Annual Program
Budget Category:	Halifax Transit	Supports Priority Area:	Transportation
Project Type:	Asset Renewal		
Discrete/Bundled:	Bundled	Project Manager:	Erin Blay
Multi-Year:	Yes	Asset Steward:	Manager, Planning & Scheduling

Project Summary

A Transit Facility Investment Strategy was completed in 2018/19 to inform the strategic, long term investment in Halifax Transit infrastructure. Improvements described in the plan were prioritized based on required maintenance, improved customer service, planned expansion, and universal accessibility. This scope of work in 2019 includes replacement of a sub-standard ferry maintenance facility required to meet basic operational requirements.

Total Project Budget: n/a

Budget Estimate Confidence: +-35%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	250,000	500,000	-	-	10,565,000	11,315,000
Project Specific Funding:						
Q551 (Transit Capital Reserve)	-	121,000	-	-	-	121,000
Other Funding	-	-	-	-	-	-
Total Funding:	-	121,000	-	-	-	121,000
Net Budget:	250,000	379,000	-	-	10,565,000	11,194,000

Impact on Operating Budget:

It is likely that there will be some increase in operating costs associated with the establishment of this facility.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	60,000	60,000	60,000	60,000	240,000
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Establishment and fit up of Ferry Berthing/Maintenance Facility	535,572
Total Estimated Work Plan	535,572
Less Projected Carry Forward from Previous Years	35,572
Gross Budget Request	500,000

2019/20 Capital Budget Form

Project Name: Transit Priority Measures	Est. Start Date: Annual Program
Project Number: CM000009	Est. Completion Date: Annual Program
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Growth	
Discrete/Bundled: Bundled	Project Manager: Erin Blay
Multi-Year: No	Asset Steward: Manager, Road Ops & Construction

Project Summary

In 2019/20, work will continue to evaluate opportunities as well as design, and implement small Transit Priority Measures (TPM) at key locations in the transit network.

Total Project Budget: n/a

Budget Estimate Confidence: +-25%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	1,750,000	640,000	-	-	2,450,000	4,840,000
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	1,750,000	640,000	-	-	2,450,000	4,840,000

Impact on Operating Budget:

It is possible there will be some impact to the maintenance of roadways on which these measures are found.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Planned TPM Design Construction (i.e. Main St. @ Gordon enhancements, Portland St @ Woodlawn)	640,000
Detailed design - Robie Street and Young Street TPM Corridor	334,536
Total Estimated Work Plan	974,536
Less Projected Carry Forward from Previous Years	334,536
Gross Budget Request	640,000

2019/20 Capital Budget Form

Project Name: Transit Priority Measures Corridors	Est. Start Date: Annual Program
Project Number: CM000014	Est. Completion Date: Annual Program
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Growth	
Discrete/Bundled: Bundled	Project Manager: Erin Blay
Multi-Year: Yes	Asset Steward: Manager, Road Ops & Construction

Project Summary

This project will see the initiation of the Bayers Road Transit Priority Corridor as identified in the Integrated Mobility Plan (IMP) and the Moving Forward Together Plan. The IMP was approved in 2017 and provides a framework for accomplishing the Regional Plan's Goals of achieving a more sustainable transportation system with at least 30% of all trips by transit or active transportation (AT). This project helps achieve this goal.

Total Project Budget: n/a

Budget Estimate Confidence: +50%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	250,000	3,500,000	-	-	16,500,000	20,250,000
Project Specific Funding:						
Q631 (Debt Principal and Interest Repayment Reserve)	-	3,500,000	-	-	-	3,500,000
Other Funding	-	-	-	-	-	-
Total Funding:	-	3,500,000	-	-	-	3,500,000
Net Budget:	250,000	-	-	-	16,500,000	16,750,000

Impact on Operating Budget:

It is likely this project will result in an increased operating budget for the operation and maintenance of new TPM Corridors.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

Detailed Work Plan for 2019/20:	2019/20
Bayers Road TPM Corridor - Construction Inspection, Initiate Construction	3,301,127
Signalization	200,000
Total Estimated Work Plan	3,501,127
Less Projected Carry Forward from Previous Years	1,127
Gross Budget Request	3,500,000

2019/20 Capital Budget Form

Project Name: Transit Strategy	Est. Start Date: May-08
Project Number: CMU01095	Est. Completion Date: Mar-20
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Growth	
Discrete/Bundled: Discrete	Project Manager: Erin Blay
Multi-Year: Yes	Asset Steward: Manager, Planning & Scheduling

Project Summary

In order to continue the delivery of the Integrated Mobility Plan and the Moving Forward Together Plan, staff will undertake further studies as directed by these approved policy documents.

Total Project Budget: 1,065,100

Budget Estimate Confidence: +10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	1,065,100	-	-	-	-	1,065,100
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	1,065,100	-	-	-	-	1,065,100

Impact on Operating Budget:

None noted at this time.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Studies related to IMP implementation including Bus Rapid Transit Implementation	192,671
Total Estimated Work Plan	192,671
Less Projected Carry Forward from Previous Years	192,671
Gross Budget Request	-

2019/20 Capital Budget Form

Project Name:	Transit Support Vehicle Replace	Est. Start Date:	Annual Program
Project Number:	CV000004	Est. Completion Date:	Annual Program
Budget Category:	Halifax Transit	Supports Priority Area:	Transportation
Project Type:	Asset Renewal		
Discrete/Bundled:	Bundled	Project Manager:	Jacqueline Pepper/William Cutler
Multi-Year:	No	Asset Steward:	Manager, Corporate Fleet

Project Summary

Halifax Transit currently has a fleet of eight (8) supervisor vehicles that operate twenty two and a half (22.5) hours a day, all year round. In addition to this, Halifax operates a number of vans and service trucks (8) that provide mobile road repair service, transit shelter/sign repair; electronic component repair; and the shuttling of parts between garages. These vehicles incur high mileage and this project will replace vehicles as they reach the end of their economic life.

Total Project Budget: n/a

Budget Estimate Confidence: +-10%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	419,200	-	100,000	60,000	-	579,200
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Other Funding	-	-	-	-	-	-
Total Funding:	-	-	-	-	-	-
Net Budget:	419,200	-	100,000	60,000	-	579,200

Impact on Operating Budget:

No impact on Operating budget.

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

2019/20

Total Estimated Work Plan	-
Less Projected Carry Forward from Previous Years	
Gross Budget Request	-

2019/20 Capital Budget Form

Project Name: Woodside Ferry Term. Upgrade	Est. Start Date: Apr-18
Project Number: CB000042	Est. Completion Date: Dec-21
Budget Category: Halifax Transit	Supports Priority Area: Transportation
Project Type: Asset Renewal	
Discrete/Bundled: Discrete	Project Manager: Erin Blay
Multi-Year: Yes	Asset Steward: Manager, Planning & Scheduling

Project Summary

In 2018/19 design work was initiated to direct the recapitalization of the Woodside Ferry Terminal, and construction work on the facility will be initiated in the 2019/20 fiscal year. Work will include the introduction of an additional escalator and elevator, a new security kiosk, and other substantial facility upgrades to improve customer service and operational efficiency.

Total Project Budget: 9,030,000

Budget Estimate Confidence: +-35%

Project Budget by Year

Fiscal Year	Previously Approved	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Gross Budget:	1,030,000	2,000,000	4,000,000	2,000,000	-	9,030,000
Project Specific Funding:						
Reserves	-	-	-	-	-	-
Cost Sharing	-	-	2,000,000	2,000,000	-	4,000,000
Total Funding:	-	-	2,000,000	2,000,000	-	4,000,000
Net Budget:	1,030,000	2,000,000	2,000,000	-	-	5,030,000

Impact on Operating Budget:

Operating Impacts of Capital Budget / Lifecycle Cost

	2019/20	2020/21	2021/22	2022/23 - 2028/29	Total
Ongoing Operating Costs (Savings)	-	-	-	-	-
One-time Operating Costs (Savings)	-	-	-	-	-

Detailed Work Plan for 2019/20:

	2019/20
Woodside Ferry Terminal Recapitalization Construction	2,294,318
Woodside Ferry Terminal Recapitalization Design & Contract Administration	200,000
Total Estimated Work Plan	2,494,318
Less Projected Carry Forward from Previous Years	494,318
Gross Budget Request	2,000,000