

Approved 2016-2017 Capital Budget Supplemental Information

HALIFAX



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Approach to the Capital Budget

Introduction

Capital budgeting is the planned expenditures, to acquire and maintain capital assets, in order to support the many services provided by the Municipality.

Tangible Capital Assets are defined by the Canadian Institute of Chartered Accountants. In order to be considered a capital asset, according to PSAB 3150, the following conditions must be met:

- a) Are held for use in the production or supply of goods and services, for rental to others, for administrative purposes or for the development, construction, maintenance or repair of other tangible capital assets;
- b) Have useful economic lives extending beyond an accounting period (1 Year);
- c) Are used on a continuing basis; and/or
- d) Are not for resale in the ordinary course of operations.

Please note, detailed information on HRM's Capital Budget can be found on the Capital Supplementary Reports, contained in the appendices of the Capital Budget document.

Definitions

2016/17 Gross Budget by Project Type

The need for capital infrastructure arises in one of three ways: replacing or rehabilitating existing infrastructure, increasing service standards, or providing new infrastructure to accommodate growth.

State of Good Repair Projects

These are projects aimed at maintaining assets HRM owns in an acceptable state of repair to support the level of service for which the public is willing to pay, and can include maintenance, repair, renewal/rehabilitation and replacement.

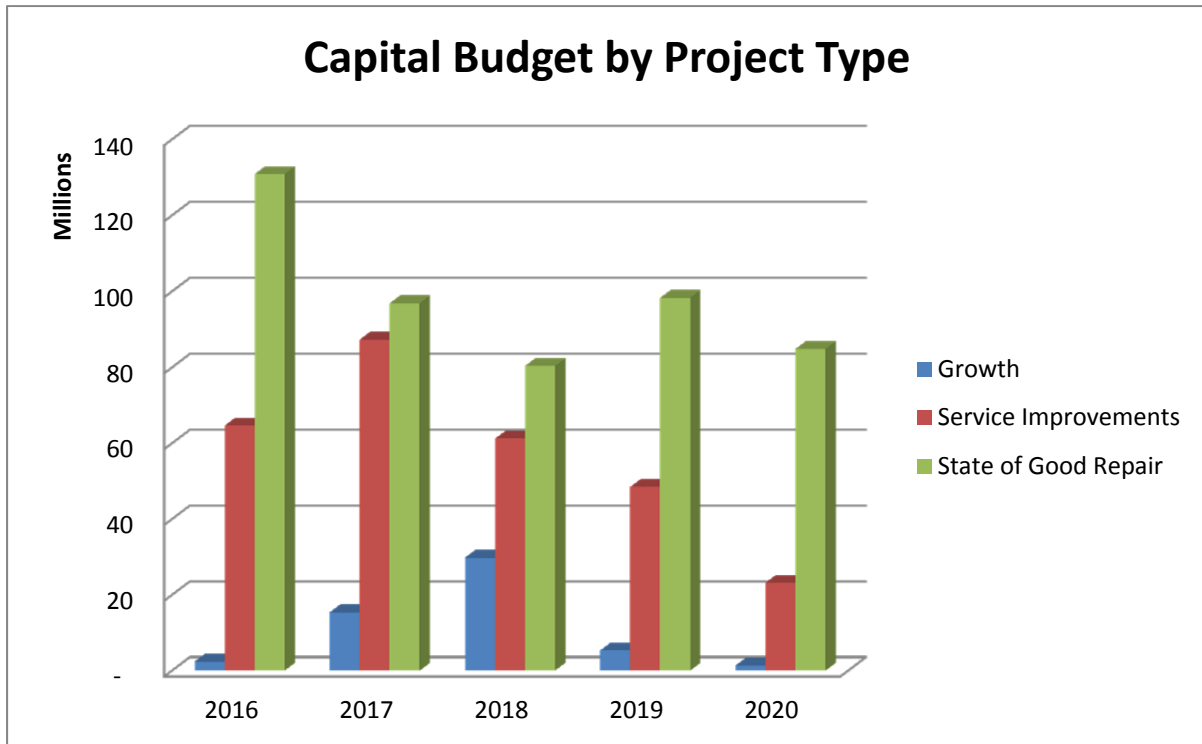
Service Improvement Projects

These are projects that are primarily driven by the need to either increase a level of service, or expand a service(s) to existing residents or businesses that did not previously receive the service. Service Improvement Projects augment service levels and/or introduce new services to HRM's existing population (i.e. new sidewalks or playgrounds in existing developed areas).

Growth Related Projects

These projects are primarily driven by the need to provide services to new residents or businesses. Growth projects generally include projects which stem from population and employment growth, and include infrastructure in new development areas, industrial park expansion, some of transit expansion and widening main roads.

The following chart summarizes spending trends over the next five years according to project type.



The following table breaks the type of project by budget category:

Budget Category	State of Good Repair	Service Improvements	Growth	Grand Total
Buildings	44,100,000	5,860,000	1,000,000	50,960,000
Business Tools	4,640,000	5,480,000	300,000	10,420,000
District Activity Funds		1,504,000		1,504,000
Equipment & Fleet	4,610,000	80,000		4,690,000
Halifax Transit	20,110,000	6,285,000	-	26,395,000
Parks & Playgrounds	9,545,000	1,650,000	-	11,195,000
Roads & Active Transportation	40,400,000	7,600,000		48,000,000
Solid Waste	3,645,000		1,000,000	4,645,000
Traffic Improvements	3,820,000	36,205,000	100,000	40,125,000
Grand Total	130,870,000	64,664,000	2,400,000	197,934,000

Maintaining Assets in a State of Good Repair

In an effort to maintain the condition of municipal assets, this budget allocates \$130.9 million on rehabilitation and replacement of existing assets in 2016/2017, or 66.3% of the 2016/2017 Capital Budget. Priority is given to projects needed to protect life or address safety issues, comply with statutes or codes, and/or reduce operating costs.

HRM's asset condition has stabilized since 2010. This trend is a positive sign that increased spending to maintain assets in a state of good repair is yielding the desired results.

The Municipality is implementing an Enterprise Asset Management program that will better enable informed decision making, with the goal to align capital spending priorities with the community's expectations. A computerized work management system and asset registry is being developed and implemented across the organization to track and report information on asset condition and maintenance costs. This information will be used to develop renewal and maintenance plans which consider level and cost of services. Regional Council will be better informed regarding which assets support which services, how much capital funding is required, and more importantly, where and when funding is needed.

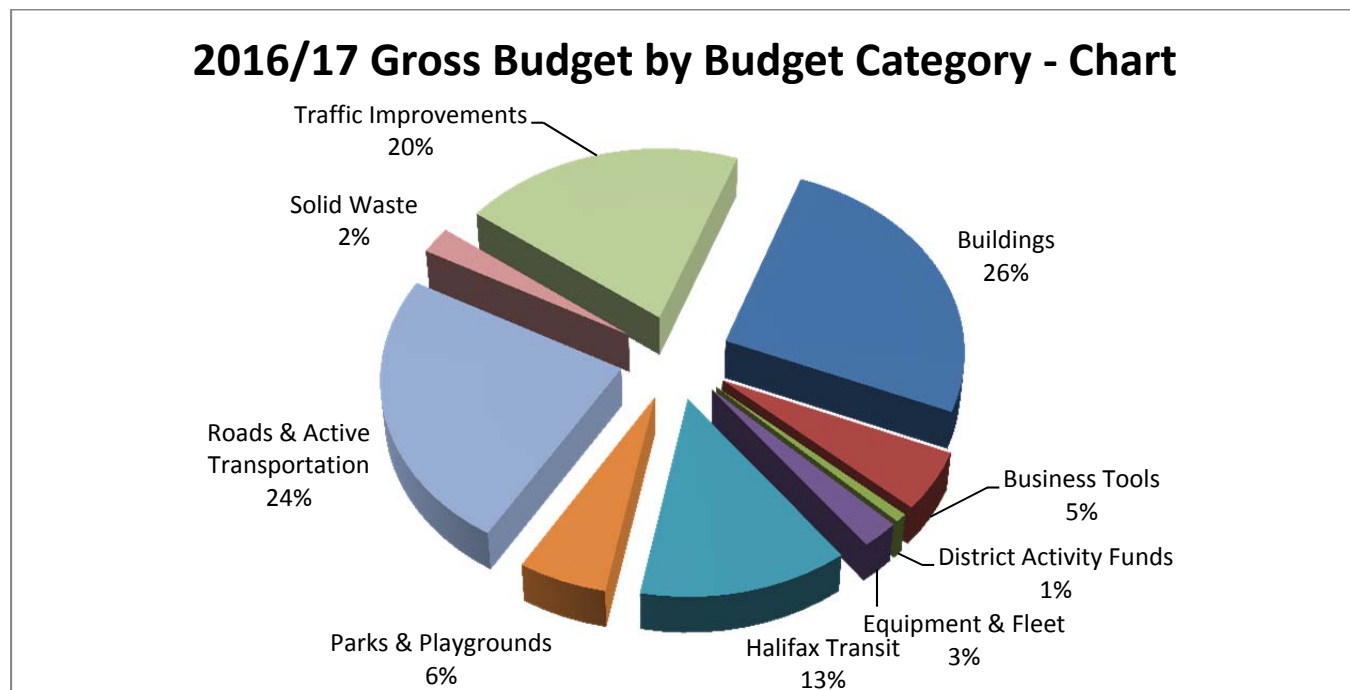
Increasing the capacity of the Capital Budget

In addition to maintaining assets, \$64.6 million is invested on service expansions such as new street paving, recreation buildings, streetscaping, sidewalks, playgrounds, sports courts, and trails. Significant work has also been done to gain efficiencies in operations, and fiscal measures related to capital spending are well within threshold values.

Capital Expenditure Plan

The following provides an overview of the capital expenditures. Please refer to the Budget Summaries section of this document, for a more detailed Capital Expenditure Plan, or the Capital Budget Book to see detailed Capital Supplementary Reports on each project.

Projected spending in 2016/17 for each budget category is summarized in the following table.

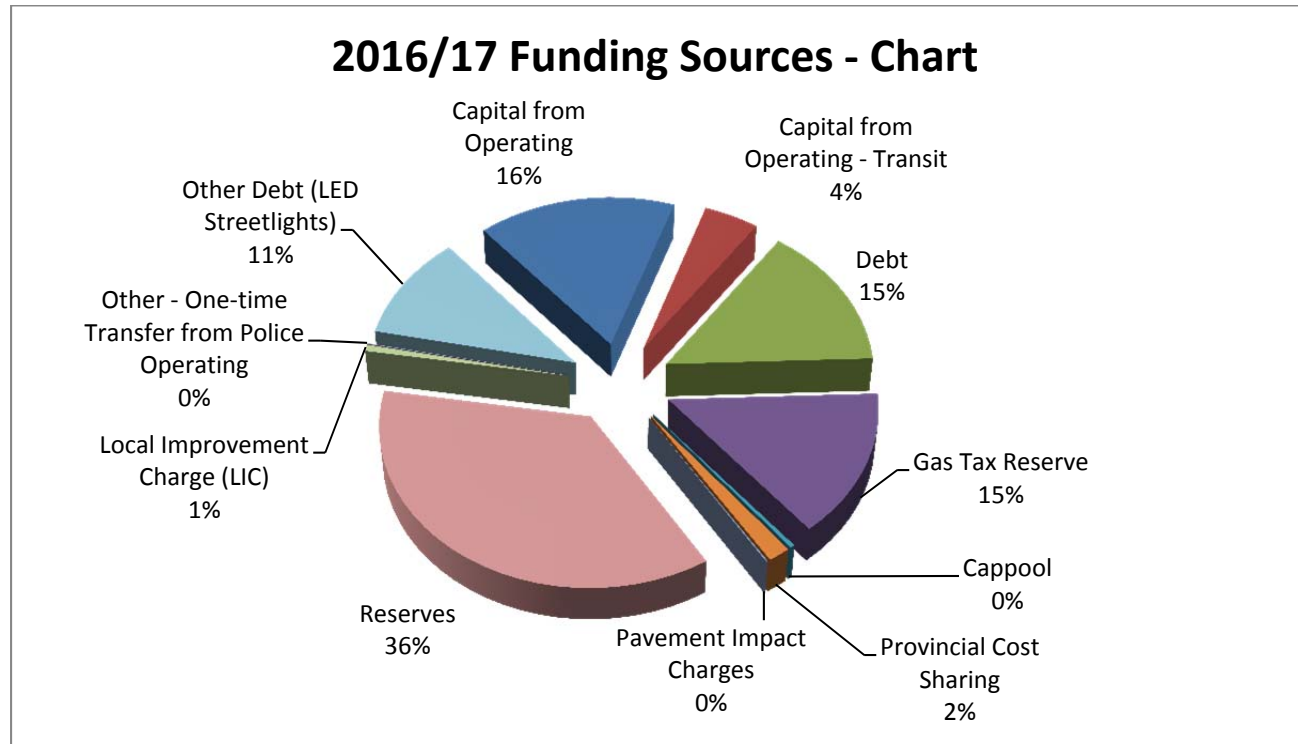


2016/17 Gross Budget by Budget Category - Table

Budget Category	Total Gross (in thousands)	Percentage
Buildings	50,960	25.7%
Business Tools	10,420	5.3%
District Activity Funds	1,504	0.8%
Equipment & Fleet	4,690	2.4%
Halifax Transit	26,395	13.3%
Parks & Playgrounds	11,195	5.7%
Roads & Active Transportation	48,000	24.3%
Solid Waste	4,645	2.3%
Traffic Improvements	40,125	20.3%
Grand Total	197,934	100.0%

Capital Funding Plan

Funding for capital comes from a number of sources. These include property tax revenue which is used to pay for some projects directly, or from the general rate or the transit rate. This is known as “Capital from Operating” or “pay-as-you-go.” Revenue from the general rate is also used to make debt payments or transfers to reserves for specific purposes. Federal gas tax funding, development charges, local improvement charges, area rates and external cost-sharing programs are also used to varying degrees.



2016/17 Funding Sources - Table

Funding Sources	Total Gross (in thousands)	Percentage
Capital from Operating	32,280,000	16.3%
Capital from Operating - Transit	9,000,000	4.5%
Debt	29,045,000	14.7%
Gas Tax Reserve	29,000,000	14.7%
Cappool	669,000	0.3%
Provincial Cost Sharing	3,250,000	1.6%
Pavement Impact Charges	200,000	0.1%
Reserves	72,040,000	36.4%
Local Improvement Charge (LIC)	1,250,000	0.6%
Other - One-time Transfer from Police Operating	160,000	0.1%
Other Debt (LED Streetlights)	21,040,000	10.6%
Total	197,934,000	100%

Reserves

If a project is anticipated and can be planned for, it is often advantageous to set aside funds in a reserve, which can be used to pay all or a portion of the capital cost. Each reserve has its own business case outlining the funding sources and permitted expenditures. In 2016/2017, reserves contribute \$72 million to the Capital Budget as detailed below.

Reserve Name	Project Name	Project #	Reserve Withdrawal
Q101 - Sale of Capital Assets	Environmental Remediation/Building	CBX01162	200,000
	Fire Station Land Acquisition	CBX01102	1,000,000
	Road Corridor Land Acquisition	CTU00897	100,000
	Sports/Ball Fields/Courts - New	CP000004	465,000
Q101 - Sale of Capital Assets Total			1,765,000
Q103 - Capital Surplus	Composting/Anaerobic Digestion (AD) Plant	CW000004	500,000
Q103 - Capital Surplus Total			500,000
Q107 - Parkland Development	Park Land Acquisition	CPX01149	-
	Sports/Ball Fields/Courts - New	CP000004	100,000
Q107 - Parkland Development Total			100,000
Q119 - Sackville Landfill Closure	Environment Monitoring Site Work 101 Landfill	CWU01353	355,000
Q119 - Sackville Landfill Closure Total			355,000
Q120 - Otter Lake Landfill Closure	Half Closure Cell 6 - Otter Lake	CWU01358	2,630,000
Q120 - Otter Lake Landfill Closure Total			2,630,000
Q123 - Waste Resources	Green Carts for New Residents/Replacement		
	Greencarts	CW000001	500,000
	Rural Depot	CW000003	-
Q123 - Waste Resources Total			500,000
Q125 - Metro Park Parkade	Metropark Upgrades	CBX01140	90,000
Q125 - Metro Park Parkade Total			90,000
Q129 - Ferry Replacement	Ferry Replacement	CM000001	-
Q129 - Ferry Replacement Total			-
Q131 - Energy and Underground Services	Energy Efficiency Upgrades	CBX01161	300,000
	Eric Spicer	CB000069	500,000
Q131 - Energy and Underground Services Total			800,000
Q135 - Alderney Gate Recapitalization	Alderney Gate Recapitalization(Bundle)	CBX01157	210,000
Q135 - Alderney Gate Recapitalization Total			210,000
Q141 - BMO Life Cycle	BMO Centre	CB000064	80,000
Q141 - BMO Life Cycle Total			80,000
Q143 - Bus Replacement	Conventional Bus Replacement	CV020004	5,000,000
Q143 - Bus Replacement Total			5,000,000
Q144 - Metro Transit Technology	New Transit Technology	CM020005	1,885,000
Q144 - Metro Transit Technology Total			1,885,000
Q146 - Planned Strategic Projects	Cogswell Interchange Redevelopment	CT000007	3,000,000
	Dartmouth Multi-Pad	CB000049	34,000,000
	Dartmouth Sportsplex Revitalization	CB000006	4,400,000
	Downtown Streetscapes - Capital Improvement Campaign	CD000002	10,200,000
Q146 - Planned Strategic Projects Total			51,600,000
Q204 - General Fleet	Fleet Vehicle Replacement	CVD01087	1,700,000
Q204 - General Fleet Total			1,700,000
Q205 - Police Vehicles and Equipment	Police Fleet	CVK01090	375,000
	Police Services Replacement Equipment	CE020001	300,000
Q205 - Police Vehicles and Equipment Total			675,000
Q206 - Fire Vehicles and Equipment	Fire Services Equipment Replacement	CE010001	200,000
	Opticom Signalization System	CEJ01220	80,000
Q206 - Fire Vehicles and Equipment Total			280,000
Q312 - Culture Development	Cultural Spaces	CD990003	250,000
Q312 - Culture Development Total			250,000
Q319 - Major Events Facility	Scotiabank Centre	CB000028	3,620,000
Q319 - Major Events Facility Total			3,620,000
Grand Total			72,040,000

Gas Tax

Gas Tax is a federally funded infrastructure program. It represents a stable, long-term source of funding, with the flexibility to address priorities of the community. In order to receive the funding, municipalities are required to have a sustainable, long-term community plan, such as HRM's Regional Plan.

Projects are selected based on the level of anticipated eligible expenditures - and the likelihood of spending the funding - within the fiscal year. The table below is the proposed use of gas tax funds in 2016/17. The actual mix of funds will be determined based on eligible expenditures in these accounts. Any accumulated surplus will remain in a dedicated reserve and applied to future capital budgets.

Gas Tax Funded Projects 2016/17:

Project Name	Project #	Budget	Proposed Gas Tax Reserve Withdrawal
Conventional Bus Replacement	CV020004	7,545,000	6,000,000
MetroX Bus Replacement	CM020002	2,725,000	1,810,000
Halifax Transit Subtotal			7,810,000
Street Recapitalization	CR000005	29,900,000	21,190,000
Total			29,000,000

Capital Budget Summary

Project Year

2016

Budget Category	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Buildings	50,960,000	44,400,000	6,560,000
Business Tools	10,420,000	-	10,420,000
District Activity Funds	1,504,000	-	1,504,000
Equipment & Fleet	4,690,000	2,815,000	1,875,000
Halifax Transit	26,395,000	8,885,000	17,510,000
Parks & Playgrounds	11,195,000	815,000	10,380,000
Roads & Active Transportation	48,000,000	2,700,000	45,300,000
Solid Waste	4,645,000	3,985,000	660,000
Traffic Improvements	40,125,000	34,340,000	5,785,000
Grand Total	197,934,000	97,940,000	99,994,000

Funding Detail

Project Specific Funding

Provincial Cost Sharing	3,250,000
Pavement Impact Charges	200,000
Reserves	72,040,000
Local Improvement Charge (LIC)	1,250,000
Other - One-time Transfer from Operating	160,000
Other Debt (LED Streetlights)	21,040,000
Total Project Specific Funding	97,940,000

General Funding

Capital from Operating	32,280,000
Capital from Operating - Transit	9,000,000
Capital from Operating - Total	41,280,000
Debt	29,045,000
Subtotal	70,325,000
Gas Tax Reserve	25,000,000
Gas Tax Reserve (Carry Forward)	4,000,000
Crespool (Leftover Debt from old Projects)	-
Cappool (Leftover Cap from Op from old Projects)	669,000
Total	99,994,000

Capital Budget Detail

Project Year

2016

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Buildings				
Accessibility - HRM Facilities	CBX01154	100,000	-	100,000
Alderney Gate Recapitalization(Bundle)	CBX01157	210,000	210,000	-
Beazley Field Grandstands & Upgrades	CB000030	-	-	-
Bedford Outdoor Pool	CB000067	100,000	-	100,000
BMO Centre	CB000064	80,000	80,000	-
Building Recapitalization Future Years - Parks & Recreation	CB000048	-	-	-
Captain William Spry Renovations	CB000023	750,000	-	750,000
Chocolate Lake Community Centre	CB000072	220,000	-	220,000
Cole Harbour Place	CB000045	1,375,000	-	1,375,000
Commons Pool & Pavilion	CB000024	70,000	-	70,000
Consulting - Buildings (Category 0)	CBX01268	-	-	-
Corporate Accommodations	CB000047	1,000,000	-	1,000,000
Dartmouth Multi-Pad	CB000049	34,000,000	34,000,000	-
Dartmouth Sportsplex Revitalization	CB000006	4,400,000	4,400,000	-
Eastern Passage High School Enhancements	CB000007	-	-	-
Energy Efficiency Upgrades	CBX01161	300,000	300,000	-
Environmental Remediation/Building Demolition	CBX01162	200,000	200,000	-
Eric Spicer	CB000069	500,000	500,000	-
Fire Station Land Acquisition	CBX01102	1,000,000	1,000,000	-
Fire Station Replacements	CB000065	-	-	-
Halifax City Hall and Grand Parade Restoration	CBX01046	1,750,000	-	1,750,000
HRFE Future Buildings Recapitalization	CB000057	-	-	-
HRM Depot Upgrades	CBX01170	-	-	-
Mechanical (Category 6)	CBX01269	100,000	-	100,000
Metropark Upgrades	CBX01140	90,000	90,000	-
Multi District Facilities (MDF)-Upgrades (Bundle)	CB000002	-	-	-
Musquodoboit Harbour Rec Facility (Village Plaza)	CB000058	340,000	-	340,000
Musquodoboit Library Refurbishment	CB000070	-	-	-
Regional Park Washrooms	CB000010	60,000	-	60,000
Roof (Category 3)	CBX01272	245,000	-	245,000
Sackville Sports Stadium	CB000060	-	-	-
Scotiabank Centre	CB000028	3,620,000	3,620,000	-
Site Work (Category 1)	CBX01271	85,000	-	85,000
St. Andrew's Community Centre Renovation	CB000011	-	-	-
Structural (Category 4)	CBX01270	-	-	-
Tallahassee Recreation Centre Upgrades	CB000068	200,000	-	200,000
Upper Hammonds Plains Community Centre	CB000071	165,000	-	165,000
Buildings Total		50,960,000	44,400,000	6,560,000

Capital Budget Detail

Project Year

2016

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Business Tools				
Accident Reporting Business Intelligence	CI000006	100,000	-	100,000
Application Recapitalization	CI000002	1,200,000	-	1,200,000
Automated Vehicle Location (AVL)	CID01292	-	-	-
Business Intelligence (BI) Program	CI990001	-	-	-
Computer Aided Dispatch (CAD)	CIP00763	-	-	-
Contact Centre Telephony Solution	CI990017	-	-	-
Corporate Epayment Solution	CI000008	125,000	-	125,000
Council Chambers Technology Upgrade	CI990019	290,000	-	290,000
CRM Software Replacement	CI990020	-	-	-
Enterprise Asset Management (EAM)	CID00631	2,700,000	-	2,700,000
Enterprise Content Management Program	CI990018	-	-	-
Health and Safety Incident Reporting	CI990010	675,000	-	675,000
HR Employee Self Serve/Manager Self Serve (ESS/MSS)	CI990032	-	-	-
HRFE Dispatch Project	CI990027	235,000	-	235,000
HRFE Fire Department Management(FDM) Review & Enhancements	CI990028	-	-	-
HRP GO Data and Information Management	CI990023	100,000	-	100,000
ICT Business Tools	CI990004	500,000	-	500,000
ICT Infrastructure Recapitalization	CI000004	850,000	-	850,000
IT Service Management System	CI990002	-	-	-
Parking Ticket Management System	CI990031	-	-	-
Permitting, Licensing, and Compliance Replacement Solution	CI990013	400,000	-	400,000
Personnel Accountability Management Review	CI000012	100,000	-	100,000
Public Wi-Fi	CI000013	945,000	-	945,000
Recreation Services Software	CI000005	900,000	-	900,000
Revenue Management Solution	CI990009	250,000	-	250,000
Rostering	CI000015	150,000	-	150,000
Source Management	CI000016	100,000	-	100,000
Trunk Mobile Radios - TMR	CID01362	-	-	-
Web Transformation Program	CI000001	800,000	-	800,000
Business Tools Total		10,420,000	-	10,420,000
District Activity Funds				
District 1 Project Funds	CCV01801	94,000	-	94,000
District 2 Project Funds	CCV01802	94,000	-	94,000
District 3 Project Funds	CCV01803	94,000	-	94,000
District 4 Project Funds	CCV01804	94,000	-	94,000
District 5 Project Funds	CCV01805	94,000	-	94,000
District 6 Project Funds	CCV01806	94,000	-	94,000
District 7 Project Funds	CCV01807	94,000	-	94,000
District 8 Project Funds	CCV01808	94,000	-	94,000
District 9 Project Funds	CCV01809	94,000	-	94,000
District 10 Project Funds	CCV01810	94,000	-	94,000
District 11 Project Funds	CCV01811	94,000	-	94,000
District 12 Project Funds	CCV01812	94,000	-	94,000
District 13 Project Funds	CCV01813	94,000	-	94,000
District 14 Project Funds	CCV01814	94,000	-	94,000
District 15 Project Funds	CCV01815	94,000	-	94,000
District 16 Project Funds	CCV01816	94,000	-	94,000
District Activity Funds Total		1,504,000	-	1,504,000

Capital Budget Detail

Project Year 2016

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Equipment & Fleet				
Fire Apparatus Replacement	CVJ01088	-	-	-
Fire Services Equipment Replacement	CE010001	1,050,000	200,000	850,000
Fire Services Water Supply	CE010002	-	-	-
Fleet Vehicle Replacement	CVD01087	1,700,000	1,700,000	-
Ice Resurfacers Replacement	CVU01207	-	-	-
Opticom Signalization System	CEJ01220	80,000	80,000	-
Police Fleet	CVK01090	1,200,000	375,000	825,000
Police Services Replacement Equipment	CE020001	460,000	460,000	-
Police Vehicle Equipment	CVK01207	200,000	-	200,000
Equipment & Fleet Total		4,690,000	2,815,000	1,875,000
Halifax Transit				
Access-A-Bus Expansion	CVD00429	-	-	-
Access-A-Bus Replacement	CVD00430	730,000	-	730,000
Biennial Ferry Refit	CVD00436	450,000	-	450,000
Bus Maintenance Equipment Replacement	CM000005	600,000	-	600,000
Bus Stop Accessibility	CBT00432	125,000	-	125,000
Conventional Bus Expansion	CV020003	-	-	-
Conventional Bus Replacement	CV020004	12,545,000	5,000,000	7,545,000
Ferry Replacement	CM000001	-	-	-
Ferry Terminal Pontoon Rehabilitation	CBX01171	735,000	-	735,000
MetroX Bus Replacement	CM020002	4,725,000	2,000,000	2,725,000
MetroX Expansion	CM000006	-	-	-
Mid-Life Rebuild	CVD00431	185,000	-	185,000
Mumford Terminal Replacement	CB000014	-	-	-
New Transit Technology	CM020005	5,700,000	1,885,000	3,815,000
New/Expanded Transit Centre	CB000017	-	-	-
Penhorn Terminal Upgrade	CM000007	-	-	-
Replacement Transit Technology	CMU01203	-	-	-
Scotia Square Facility	CM000008	150,000	-	150,000
Shelters Replacement/Expansion	CBT00437	110,000	-	110,000
Transit Priority Measures	CM000009	200,000	-	200,000
Transit Security	CMU00982	-	-	-
Transit Support Vehicle Replacement	CV000004	140,000	-	140,000
Transit Technical System Expansion	CIU00875	-	-	-
Wrights Cove Terminal	CR000007	-	-	-
Halifax Transit Total		26,395,000	8,885,000	17,510,000
Parks & Playgrounds				
Cemetery Fence Restoration	CP000015	-	-	-
Cole Harbour Turf	CP110002	3,800,000	-	3,800,000
Cornwallis Park Master Plan Implementation	CP000011	350,000	-	350,000
Cultural Spaces	CD990003	250,000	250,000	-
Fort Needham Master Plan Implementation	CP000012	2,200,000	-	2,200,000
Halifax Common Master Plan & Implementation	CP000013	-	-	-
Park Land Acquisition	CPX01149	-	-	-
Park Upgrades	CP000002	2,440,000	-	2,440,000
Point Pleasant Park Master Plan Implementation	CP000006	-	-	-
Point Pleasant Park Stone Wall Restoration	CP000009	-	-	-
Public Gardens Upgrades	CPX01193	-	-	-
Regional Water Access/ Beach Upgrades	CPX01331	275,000	-	275,000
Sports Fields/Courts - State of Good Repair	CP000003	230,000	-	230,000
Sports/Ball Fields/Courts - New	CP000004	1,600,000	565,000	1,035,000
Western Common Master Plan Implementation	CP000014	50,000	-	50,000
Parks & Playgrounds Total		11,195,000	815,000	10,380,000
Roads & Active Transportation				

Capital Budget Detail

Project Year

2016

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Active Transportation - Strategic Projects	CTU00420	5,100,000	-	5,100,000
Bridges	CRU01077	2,300,000	-	2,300,000
New Paving Streets - HRM Owned Roads	CR000002	-	-	-
New Paving Subdivision Streets - Provincial	CR990001	2,500,000	2,500,000	-
Other Road Related Works	CRU01079	2,500,000	-	2,500,000
Road Operations and Construction - State of Good Repair	CR990002	2,500,000	-	2,500,000
Sidewalk Renewals	CKU01084	3,000,000	-	3,000,000
Street Recapitalization	CR000005	30,100,000	200,000	29,900,000
Roads & Active Transportation Total		48,000,000	2,700,000	45,300,000
Solid Waste				
Composting/Anaerobic Digestion (AD) Plant	CW000004	500,000	500,000	-
Environment Monitoring Site Work 101 Landfill	CWU01353	355,000	355,000	-
Green Carts for New Residents/Replacement Greencarts	CW000001	500,000	500,000	-
Half Closure Cell 6 - Otter Lake	CWU01358	2,630,000	2,630,000	-
Materials Recovery Facility Repairs	CW000007	160,000	-	160,000
New Era Recapitalization	CW000009	500,000	-	500,000
Rural Depot	CW000003	-	-	-
Solid Waste Total		4,645,000	3,985,000	660,000
Traffic Improvements				
Cogswell Interchange Redevelopment	CT000007	3,000,000	3,000,000	-
Controller Cabinet and Detection Program	CT000004	500,000	-	500,000
Destination Signage Program	CTR00904	100,000	-	100,000
Downtown Streetscapes - Capital Improvement Campaign	CD000002	10,200,000	10,200,000	-
Herring Cove Road Widening	CTX01116	300,000	-	300,000
Intersection Improvement Program	CTU01086	1,365,000	-	1,365,000
LED Conversion of HRM Streetlights	CT000005	21,040,000	21,040,000	-
MacLennan Drive	CTU01365	200,000	-	200,000
Margeson Drive	CTU01287	-	-	-
Road Corridor Land Acquisition	CTU00897	100,000	100,000	-
Street Lighting	CRU00792	720,000	-	720,000
Streetscaping in Center Hubs and Corridors	CDV00734	-	-	-
Traffic Signal Installation	CTU01085	100,000	-	100,000
Traffic Signal Rehabilitation	CTU00419	2,000,000	-	2,000,000
Traffic Signal Re-lamping Program	CT000002	500,000	-	500,000
Traffic Improvements Total		40,125,000	34,340,000	5,785,000
Grand Total		197,934,000	97,940,000	99,994,000

Capital Budget Summary - Preliminary

Project Year

2017

Budget Category	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Buildings	38,905,000	23,080,000	15,825,000
Business Tools	16,155,000	-	16,155,000
District Activity Funds	1,504,000	-	1,504,000
Equipment & Fleet	8,385,000	80,000	8,305,000
Halifax Transit	37,075,000	-	37,075,000
Parks & Playgrounds	13,905,000	1,500,000	12,405,000
Roads & Active Transportation	49,850,000	750,000	49,100,000
Solid Waste	1,420,000	835,000	585,000
Traffic Improvements	32,520,000	22,965,000	9,555,000
Grand Total	199,719,000	49,210,000	150,509,000

Capital Budget Detail

Project Year

2017

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Buildings				
Accessibility - HRM Facilities	CBX01154	400,000	-	400,000
Alderney Gate Recapitalization(Bundle)	CBX01157	500,000	500,000	-
Beazley Field Grandstands & Upgrades	CB000030	-	-	-
Bedford Outdoor Pool	CB000067	-	-	-
BMO Centre	CB000064	-	-	-
Building Recapitalization Future Years - Parks & Recreation	CB000048	2,000,000	-	2,000,000
Captain William Spry Renovations	CB000023	250,000	-	250,000
Chocolate Lake Community Centre	CB000072	-	-	-
Cole Harbour Place	CB000045	1,375,000	-	1,375,000
Commons Pool & Pavilion	CB000024	-	-	-
Consulting - Buildings (Category 0)	CBX01268	100,000	-	100,000
Corporate Accommodations	CB000047	1,000,000	-	1,000,000
Dartmouth Multi-Pad	CB000049	7,000,000	7,000,000	-
Dartmouth Sportsplex Revitalization	CB000006	13,120,000	13,120,000	-
Eastern Passage High School Enhancements	CB000007	650,000	-	650,000
Energy Efficiency Upgrades	CBX01161	500,000	500,000	-
Environmental Remediation/Building Demolition	CBX01162	400,000	400,000	-
Eric Spicer	CB000069	-	-	-
Fire Station Land Acquisition	CBX01102	-	-	-
Fire Station Replacements	CB000065	2,000,000	-	2,000,000
Halifax City Hall and Grand Parade Restoration	CBX01046	250,000	-	250,000
HRFE Future Buildings Recapitalization	CB000057	1,250,000	-	1,250,000
HRM Depot Upgrades	CBX01170	750,000	-	750,000
Mechanical (Category 6)	CBX01269	100,000	-	100,000
Metropark Upgrades	CBX01140	90,000	90,000	-
Multi District Facilities (MDF)-Upgrades (Bundle)	CB000002	500,000	-	500,000
Musquodoboit Harbour Rec Facility (Village Plaza)	CB000058	-	-	-
Musquodoboit Library Refurbishment	CB000070	-	-	-
Regional Park Washrooms	CB000010	1,250,000	-	1,250,000
Roof (Category 3)	CBX01272	2,600,000	-	2,600,000
Sackville Sports Stadium	CB000060	-	-	-
Scotiabank Centre	CB000028	1,470,000	1,470,000	-
Site Work (Category 1)	CBX01271	250,000	-	250,000
St. Andrew's Community Centre Renovation	CB000011	1,000,000	-	1,000,000
Structural (Category 4)	CBX01270	100,000	-	100,000
Tallahassee Recreation Centre Upgrades	CB000068	-	-	-
Upper Hammonds Plains Community Centre	CB000071	-	-	-
Buildings Total		38,905,000	23,080,000	15,825,000

Capital Budget Detail

Project Year

2017

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Business Tools				
Accident Reporting Business Intelligence	CI000006	285,000	-	285,000
Application Recapitalization	CI000002	1,500,000	-	1,500,000
Automated Vehicle Location (AVL)	CID01292	200,000	-	200,000
Business Intelligence (BI) Program	CI990001	390,000	-	390,000
Computer Aided Dispatch (CAD)	CIP00763	-	-	-
Contact Centre Telephony Solution	CI990017	-	-	-
Corporate Epayment Solution	CI000008	100,000	-	100,000
Council Chambers Technology Upgrade	CI990019	-	-	-
CRM Software Replacement	CI990020	500,000	-	500,000
Enterprise Asset Management (EAM)	CID00631	1,580,000	-	1,580,000
Enterprise Content Management Program	CI990018	500,000	-	500,000
Health and Safety Incident Reporting	CI990010	-	-	-
HR Employee Self Serve/Manager Self Serve (ESS/MSS)	CI990032	670,000	-	670,000
HRFE Dispatch Project	CI990027	-	-	-
HRFE Fire Department Management(FDM) Review & Enhancements	CI990028	300,000	-	300,000
HRP GO Data and Information Management	CI990023	1,200,000	-	1,200,000
ICT Business Tools	CI990004	600,000	-	600,000
ICT Infrastructure Recapitalization	CI000004	950,000	-	950,000
IT Service Management System	CI990002	130,000	-	130,000
Parking Ticket Management System	CI990031	515,000	-	515,000
Permitting, Licensing, and Compliance Replacement Solution	CI990013	1,210,000	-	1,210,000
Personnel Accountability Management Review	CI000012	-	-	-
Public Wi-Fi	CI000013	525,000	-	525,000
Recreation Services Software	CI000005	1,645,000	-	1,645,000
Revenue Management Solution	CI990009	1,940,000	-	1,940,000
Rostering	CI000015	1,000,000	-	1,000,000
Source Management	CI000016	415,000	-	415,000
Trunk Mobile Radios - TMR	CID01362	-	-	-
Web Transformation Program	CI000001	-	-	-
Business Tools Total		16,155,000	-	16,155,000
District Activity Funds				
District 1 Project Funds	CCV01801	94,000	-	94,000
District 2 Project Funds	CCV01802	94,000	-	94,000
District 3 Project Funds	CCV01803	94,000	-	94,000
District 4 Project Funds	CCV01804	94,000	-	94,000
District 5 Project Funds	CCV01805	94,000	-	94,000
District 6 Project Funds	CCV01806	94,000	-	94,000
District 7 Project Funds	CCV01807	94,000	-	94,000
District 8 Project Funds	CCV01808	94,000	-	94,000
District 9 Project Funds	CCV01809	94,000	-	94,000
District 10 Project Funds	CCV01810	94,000	-	94,000
District 11 Project Funds	CCV01811	94,000	-	94,000
District 12 Project Funds	CCV01812	94,000	-	94,000
District 13 Project Funds	CCV01813	94,000	-	94,000
District 14 Project Funds	CCV01814	94,000	-	94,000
District 15 Project Funds	CCV01815	94,000	-	94,000
District 16 Project Funds	CCV01816	94,000	-	94,000
District Activity Funds Total		1,504,000	-	1,504,000

Capital Budget Detail

Project Year 2017

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Equipment & Fleet				
Fire Apparatus Replacement	CVJ01088	3,665,000	-	3,665,000
Fire Services Equipment Replacement	CE010001	850,000	-	850,000
Fire Services Water Supply	CE010002	150,000	-	150,000
Fleet Vehicle Replacement	CVD01087	1,700,000	-	1,700,000
Ice Resurfacers Replacement	CVU01207	125,000	-	125,000
Opticom Signalization System	CEJ01220	80,000	80,000	-
Police Fleet	CVK01090	1,200,000	-	1,200,000
Police Services Replacement Equipment	CE020001	415,000	-	415,000
Police Vehicle Equipment	CVK01207	200,000	-	200,000
Equipment & Fleet Total		8,385,000	80,000	8,305,000
Halifax Transit				
Access-A-Bus Expansion	CVD00429	240,000	-	240,000
Access-A-Bus Replacement	CVD00430	1,365,000	-	1,365,000
Biennial Ferry Refit	CVD00436	600,000	-	600,000
Bus Maintenance Equipment Replacement	CM000005	-	-	-
Bus Stop Accessibility	CBT00432	125,000	-	125,000
Conventional Bus Expansion	CV020003	4,280,000	-	4,280,000
Conventional Bus Replacement	CV020004	2,475,000	-	2,475,000
Ferry Replacement	CM000001	-	-	-
Ferry Terminal Pontoon Rehabilitation	CBX01171	250,000	-	250,000
MetroX Bus Replacement	CM020002	-	-	-
MetroX Expansion	CM000006	-	-	-
Mid-Life Rebuild	CVD00431	185,000	-	185,000
Mumford Terminal Replacement	CB000014	-	-	-
New Transit Technology	CM020005	16,115,000	-	16,115,000
New/Expanded Transit Centre	CB000017	10,235,000	-	10,235,000
Penhorn Terminal Upgrade	CM000007	-	-	-
Replacement Transit Technology	CMU01203	-	-	-
Scotia Square Facility	CM000008	-	-	-
Shelters Replacement/Expansion	CBT00437	110,000	-	110,000
Transit Priority Measures	CM000009	-	-	-
Transit Security	CMU00982	300,000	-	300,000
Transit Support Vehicle Replacement	CV000004	145,000	-	145,000
Transit Technical System Expansion	CIU00875	-	-	-
Wrights Cove Terminal	CR000007	650,000	-	650,000
Halifax Transit Total		37,075,000	-	37,075,000
Parks & Playgrounds				
Cemetery Fence Restoration	CP000015	250,000	-	250,000
Cole Harbour Turf	CP110002	-	-	-
Cornwallis Park Master Plan Implementation	CP000011	600,000	-	600,000
Cultural Spaces	CD990003	-	-	-
Fort Needham Master Plan Implementation	CP000012	3,000,000	-	3,000,000
Halifax Common Master Plan & Implementation	CP000013	2,000,000	-	2,000,000
Park Land Acquisition	CPX01149	500,000	500,000	-
Park Upgrades	CP000002	2,350,000	-	2,350,000
Point Pleasant Park Master Plan Implementation	CP000006	1,400,000	-	1,400,000
Point Pleasant Park Stone Wall Restoration	CP000009	250,000	-	250,000
Public Gardens Upgrades	CPX01193	250,000	-	250,000
Regional Water Access/ Beach Upgrades	CPX01331	500,000	-	500,000
Sports Fields/Courts - State of Good Repair	CP000003	1,255,000	-	1,255,000
Sports/Ball Fields/Courts - New	CP000004	1,500,000	1,000,000	500,000
Western Common Master Plan Implementation	CP000014	50,000	-	50,000
Parks & Playgrounds Total		13,905,000	1,500,000	12,405,000
Roads & Active Transportation				

Capital Budget Detail

Project Year

2017

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Active Transportation - Strategic Projects	CTU00420	6,850,000	-	6,850,000
Bridges	CRU01077	3,000,000	-	3,000,000
New Paving Streets - HRM Owned Roads	CR000002	500,000	250,000	250,000
New Paving Subdivision Streets - Provincial	CR990001	500,000	500,000	-
Other Road Related Works	CRU01079	2,500,000	-	2,500,000
Road Operations and Construction - State of Good Repair	CR990002	3,000,000	-	3,000,000
Sidewalk Renewals	CKU01084	3,500,000	-	3,500,000
Street Recapitalization	CR000005	30,000,000	-	30,000,000
Roads & Active Transportation Total		49,850,000	750,000	49,100,000
Solid Waste				
Composting/Anaerobic Digestion (AD) Plant	CW000004	250,000	-	250,000
Environment Monitoring Site Work 101 Landfill	CWU01353	100,000	100,000	-
Green Carts for New Residents/Replacement Greencarts	CW000001	735,000	735,000	-
Half Closure Cell 6 - Otter Lake	CWU01358	-	-	-
Materials Recovery Facility Repairs	CW000007	85,000	-	85,000
New Era Recapitalization	CW000009	250,000	-	250,000
Rural Depot	CW000003	-	-	-
Solid Waste Total		1,420,000	835,000	585,000
Traffic Improvements				
Cogswell Interchange Redevelopment	CT000007	15,000,000	15,000,000	-
Controller Cabinet and Detection Program	CT000004	510,000	-	510,000
Destination Signage Program	CTR00904	100,000	-	100,000
Downtown Streetscapes - Capital Improvement Campaign	CD000002	3,400,000	3,400,000	-
Herring Cove Road Widening	CTX01116	-	-	-
Intersection Improvement Program	CTU01086	2,700,000	-	2,700,000
LED Conversion of HRM Streetlights	CT000005	4,465,000	4,465,000	-
MacLennan Drive	CTU01365	-	-	-
Margeson Drive	CTU01287	3,100,000	-	3,100,000
Road Corridor Land Acquisition	CTU00897	100,000	100,000	-
Street Lighting	CRU00792	225,000	-	225,000
Streetscaping in Center Hubs and Corridors	CDV00734	1,000,000	-	1,000,000
Traffic Signal Installation	CTU01085	750,000	-	750,000
Traffic Signal Rehabilitation	CTU00419	660,000	-	660,000
Traffic Signal Re-lamping Program	CT000002	510,000	-	510,000
Traffic Improvements Total		32,520,000	22,965,000	9,555,000
Grand Total		199,719,000	49,210,000	150,509,000

Capital Budget Summary - Preliminary

Project Year

2018

Budget Category	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Buildings	25,840,000	5,630,000	20,210,000
Business Tools	12,490,000	-	12,490,000
District Activity Funds	1,504,000	-	1,504,000
Equipment & Fleet	7,135,000	80,000	7,055,000
Halifax Transit	30,050,000	1,200,000	28,850,000
Parks & Playgrounds	8,650,000	500,000	8,150,000
Roads & Active Transportation	51,850,000	750,000	51,100,000
Solid Waste	735,000	735,000	-
Traffic Improvements	33,190,000	26,500,000	6,690,000
Grand Total	171,444,000	35,395,000	136,049,000

Capital Budget Detail

Project Year

2018

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Buildings				
Accessibility - HRM Facilities	CBX01154	400,000	-	400,000
Alderney Gate Recapitalization(Bundle)	CBX01157	500,000	500,000	-
Beazley Field Grandstands & Upgrades	CB000030	-	-	-
Bedford Outdoor Pool	CB000067	-	-	-
BMO Centre	CB000064	-	-	-
Building Recapitalization Future Years - Parks & Recreation	CB000048	2,515,000	-	2,515,000
Captain William Spry Renovations	CB000023	-	-	-
Chocolate Lake Community Centre	CB000072	-	-	-
Cole Harbour Place	CB000045	-	-	-
Commons Pool & Pavilion	CB000024	-	-	-
Consulting - Buildings (Category 0)	CBX01268	100,000	-	100,000
Corporate Accommodations	CB000047	1,000,000	-	1,000,000
Dartmouth Multi-Pad	CB000049	-	-	-
Dartmouth Sportsplex Revitalization	CB000006	3,280,000	3,280,000	-
Eastern Passage High School Enhancements	CB000007	-	-	-
Energy Efficiency Upgrades	CBX01161	500,000	500,000	-
Environmental Remediation/Building Demolition	CBX01162	400,000	400,000	-
Eric Spicer	CB000069	-	-	-
Fire Station Land Acquisition	CBX01102	-	-	-
Fire Station Replacements	CB000065	8,000,000	-	8,000,000
Halifax City Hall and Grand Parade Restoration	CBX01046	250,000	-	250,000
HRFE Future Buildings Recapitalization	CB000057	1,250,000	-	1,250,000
HRM Depot Upgrades	CBX01170	400,000	-	400,000
Mechanical (Category 6)	CBX01269	100,000	-	100,000
Metropark Upgrades	CBX01140	100,000	100,000	-
Multi District Facilities (MDF)-Upgrades (Bundle)	CB000002	500,000	-	500,000
Musquodoboit Harbour Rec Facility (Village Plaza)	CB000058	-	-	-
Musquodoboit Library Refurbishment	CB000070	195,000	-	195,000
Regional Park Washrooms	CB000010	-	-	-
Roof (Category 3)	CBX01272	2,000,000	-	2,000,000
Sackville Sports Stadium	CB000060	-	-	-
Scotiabank Centre	CB000028	850,000	850,000	-
Site Work (Category 1)	CBX01271	300,000	-	300,000
St. Andrew's Community Centre Renovation	CB000011	3,100,000	-	3,100,000
Structural (Category 4)	CBX01270	100,000	-	100,000
Tallahassee Recreation Centre Upgrades	CB000068	-	-	-
Upper Hammonds Plains Community Centre	CB000071	-	-	-
Buildings Total		25,840,000	5,630,000	20,210,000

Capital Budget Detail

Project Year

2018

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Business Tools				
Accident Reporting Business Intelligence	CI000006	-	-	-
Application Recapitalization	CI000002	1,500,000	-	1,500,000
Automated Vehicle Location (AVL)	CID01292	1,000,000	-	1,000,000
Business Intelligence (BI) Program	CI990001	500,000	-	500,000
Computer Aided Dispatch (CAD)	CIP00763	-	-	-
Contact Centre Telephony Solution	CI990017	-	-	-
Corporate Epayment Solution	CI000008	-	-	-
Council Chambers Technology Upgrade	CI990019	-	-	-
CRM Software Replacement	CI990020	500,000	-	500,000
Enterprise Asset Management (EAM)	CID00631	-	-	-
Enterprise Content Management Program	CI990018	500,000	-	500,000
Health and Safety Incident Reporting	CI990010	-	-	-
HR Employee Self Serve/Manager Self Serve (ESS/MSS)	CI990032	520,000	-	520,000
HRFE Dispatch Project	CI990027	-	-	-
HRFE Fire Department Management(FDM) Review & Enhancements	CI990028	405,000	-	405,000
HRP GO Data and Information Management	CI990023	215,000	-	215,000
ICT Business Tools	CI990004	500,000	-	500,000
ICT Infrastructure Recapitalization	CI000004	950,000	-	950,000
IT Service Management System	CI990002	135,000	-	135,000
Parking Ticket Management System	CI990031	900,000	-	900,000
Permitting, Licensing, and Compliance Replacement Solution	CI990013	1,615,000	-	1,615,000
Personnel Accountability Management Review	CI000012	-	-	-
Public Wi-Fi	CI000013	525,000	-	525,000
Recreation Services Software	CI000005	1,205,000	-	1,205,000
Revenue Management Solution	CI990009	1,350,000	-	1,350,000
Rostering	CI000015	170,000	-	170,000
Source Management	CI000016	-	-	-
Trunk Mobile Radios - TMR	CID01362	-	-	-
Web Transformation Program	CI000001	-	-	-
Business Tools Total		12,490,000	-	12,490,000
District Activity Funds				
District 1 Project Funds	CCV01801	94,000	-	94,000
District 2 Project Funds	CCV01802	94,000	-	94,000
District 3 Project Funds	CCV01803	94,000	-	94,000
District 4 Project Funds	CCV01804	94,000	-	94,000
District 5 Project Funds	CCV01805	94,000	-	94,000
District 6 Project Funds	CCV01806	94,000	-	94,000
District 7 Project Funds	CCV01807	94,000	-	94,000
District 8 Project Funds	CCV01808	94,000	-	94,000
District 9 Project Funds	CCV01809	94,000	-	94,000
District 10 Project Funds	CCV01810	94,000	-	94,000
District 11 Project Funds	CCV01811	94,000	-	94,000
District 12 Project Funds	CCV01812	94,000	-	94,000
District 13 Project Funds	CCV01813	94,000	-	94,000
District 14 Project Funds	CCV01814	94,000	-	94,000
District 15 Project Funds	CCV01815	94,000	-	94,000
District 16 Project Funds	CCV01816	94,000	-	94,000
District Activity Funds Total		1,504,000	-	1,504,000

Capital Budget Detail

Project Year 2018

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Equipment & Fleet				
Fire Apparatus Replacement	CVJ01088	2,500,000	-	2,500,000
Fire Services Equipment Replacement	CE010001	850,000	-	850,000
Fire Services Water Supply	CE010002	150,000	-	150,000
Fleet Vehicle Replacement	CVD01087	1,500,000	-	1,500,000
Ice Resurfacers Replacement	CVU01207	125,000	-	125,000
Opticom Signalization System	CEJ01220	80,000	80,000	-
Police Fleet	CVK01090	1,200,000	-	1,200,000
Police Services Replacement Equipment	CE020001	530,000	-	530,000
Police Vehicle Equipment	CVK01207	200,000	-	200,000
Equipment & Fleet Total		7,135,000	80,000	7,055,000
Halifax Transit				
Access-A-Bus Expansion	CVD00429	240,000	-	240,000
Access-A-Bus Replacement	CVD00430	210,000	-	210,000
Biennial Ferry Refit	CVD00436	600,000	-	600,000
Bus Maintenance Equipment Replacement	CM000005	-	-	-
Bus Stop Accessibility	CBT00432	125,000	-	125,000
Conventional Bus Expansion	CV020003	3,815,000	-	3,815,000
Conventional Bus Replacement	CV020004	1,010,000	-	1,010,000
Ferry Replacement	CM000001	1,200,000	1,200,000	-
Ferry Terminal Pontoon Rehabilitation	CBX01171	250,000	-	250,000
MetroX Bus Replacement	CM020002	-	-	-
MetroX Expansion	CM000006	-	-	-
Mid-Life Rebuild	CVD00431	185,000	-	185,000
Mumford Terminal Replacement	CB000014	-	-	-
New Transit Technology	CM020005	-	-	-
New/Expanded Transit Centre	CB000017	20,265,000	-	20,265,000
Penhorn Terminal Upgrade	CM000007	-	-	-
Replacement Transit Technology	CMU01203	210,000	-	210,000
Scotia Square Facility	CM000008	-	-	-
Shelters Replacement/Expansion	CBT00437	110,000	-	110,000
Transit Priority Measures	CM000009	-	-	-
Transit Security	CMU00982	300,000	-	300,000
Transit Support Vehicle Replacement	CV000004	40,000	-	40,000
Transit Technical System Expansion	CIU00875	140,000	-	140,000
Wrights Cove Terminal	CR000007	1,350,000	-	1,350,000
Halifax Transit Total		30,050,000	1,200,000	28,850,000
Parks & Playgrounds				
Cemetery Fence Restoration	CP000015	250,000	-	250,000
Cole Harbour Turf	CP110002	-	-	-
Cornwallis Park Master Plan Implementation	CP000011	-	-	-
Cultural Spaces	CD990003	-	-	-
Fort Needham Master Plan Implementation	CP000012	-	-	-
Halifax Common Master Plan & Implementation	CP000013	5,000,000	-	5,000,000
Park Land Acquisition	CPX01149	500,000	500,000	-
Park Upgrades	CP000002	350,000	-	350,000
Point Pleasant Park Master Plan Implementation	CP000006	-	-	-
Point Pleasant Park Stone Wall Restoration	CP000009	250,000	-	250,000
Public Gardens Upgrades	CPX01193	50,000	-	50,000
Regional Water Access/ Beach Upgrades	CPX01331	650,000	-	650,000
Sports Fields/Courts - State of Good Repair	CP000003	1,500,000	-	1,500,000
Sports/Ball Fields/Courts - New	CP000004	50,000	-	50,000
Western Common Master Plan Implementation	CP000014	50,000	-	50,000
Parks & Playgrounds Total		8,650,000	500,000	8,150,000
Roads & Active Transportation				

Capital Budget Detail

Project Year

2018

Budget Category	Project #	Total Gross Budget	Project Specific Funding	Borrowing and Other Transfers
Active Transportation - Strategic Projects	CTU00420	7,850,000	-	7,850,000
Bridges	CRU01077	3,000,000	-	3,000,000
New Paving Streets - HRM Owned Roads	CR000002	500,000	250,000	250,000
New Paving Subdivision Streets - Provincial	CR990001	500,000	500,000	-
Other Road Related Works	CRU01079	2,500,000	-	2,500,000
Road Operations and Construction - State of Good Repair	CR990002	4,000,000	-	4,000,000
Sidewalk Renewals	CKU01084	3,500,000	-	3,500,000
Street Recapitalization	CR000005	30,000,000	-	30,000,000
Roads & Active Transportation Total		51,850,000	750,000	51,100,000
Solid Waste				
Composting/Anaerobic Digestion (AD) Plant	CW000004	-	-	-
Environment Monitoring Site Work 101 Landfill	CWU01353	-	-	-
Green Carts for New Residents/Replacement Greencarts	CW000001	735,000	735,000	-
Half Closure Cell 6 - Otter Lake	CWU01358	-	-	-
Materials Recovery Facility Repairs	CW000007	-	-	-
New Era Recapitalization	CW000009	-	-	-
Rural Depot	CW000003	-	-	-
Solid Waste Total		735,000	735,000	-
Traffic Improvements				
Cogswell Interchange Redevelopment	CT000007	23,000,000	23,000,000	-
Controller Cabinet and Detection Program	CT000004	520,000	-	520,000
Destination Signage Program	CTR00904	100,000	-	100,000
Downtown Streetscapes - Capital Improvement Campaign	CD000002	3,400,000	3,400,000	-
Herring Cove Road Widening	CTX01116	-	-	-
Intersection Improvement Program	CTU01086	2,900,000	-	2,900,000
LED Conversion of HRM Streetlights	CT000005	-	-	-
MacLennan Drive	CTU01365	-	-	-
Margeson Drive	CTU01287	-	-	-
Road Corridor Land Acquisition	CTU00897	100,000	100,000	-
Street Lighting	CRU00792	230,000	-	230,000
Streetscaping in Center Hubs and Corridors	CDV00734	1,000,000	-	1,000,000
Traffic Signal Installation	CTU01085	750,000	-	750,000
Traffic Signal Rehabilitation	CTU00419	670,000	-	670,000
Traffic Signal Re-lamping Program	CT000002	520,000	-	520,000
Traffic Improvements Total		33,190,000	26,500,000	6,690,000
Grand Total		171,444,000	35,395,000	136,049,000

**5-Year Gross Capital Budget
Buildings**

Page	Budget Category	Project #	2016	2017	2018	2019	2020
	Buildings						
A1	Accessibility - HRM Facilities	CBX01154	100,000	400,000	400,000	400,000	400,000
A2	Alderney Gate Recapitalization(Bundle)	CBX01157	210,000	500,000	500,000	500,000	500,000
A3	Beazley Field Grandstands & Upgrades	CB000030	-	-	-	-	-
A4	Bedford Outdoor Pool	CB000067	100,000	-	-	-	-
A5	BMO Centre	CB000064	80,000	-	-	-	-
A6	Building Recapitalization Future Years - Parks & Recreation	CB000048	-	2,000,000	2,515,000	2,600,000	2,600,000
A7	Captain William Spry Renovations	CB000023	750,000	250,000	-	-	-
A8	Chocolate Lake Community Centre	CB000072	220,000	-	-	-	-
A9	Cole Harbour Place	CB000045	1,375,000	1,375,000	-	-	-
A10	Commons Pool & Pavilion	CB000024	70,000	-	-	-	-
A11	Consulting - Buildings (Category 0)	CBX01268	-	100,000	100,000	100,000	100,000
A12	Corporate Accommodations	CB000047	1,000,000	1,000,000	1,000,000	1,000,000	-
A13	Dartmouth Multi-Pad	CB000049	34,000,000	7,000,000	-	-	-
A14	Dartmouth Sportsplex Revitalization	CB000006	4,400,000	13,120,000	3,280,000	-	-
A15	Eastern Passage High School Enhancements	CB000007	-	650,000	-	-	-
A16	Energy Efficiency Upgrades	CBX01161	300,000	500,000	500,000	500,000	500,000
A17	Environmental Remediation/Building Demolition	CBX01162	200,000	400,000	400,000	400,000	400,000
A18	Eric Spicer	CB000069	500,000	-	-	-	-
A19	Fire Station Land Acquisition	CBX01102	1,000,000	-	-	-	-
A20	Fire Station Replacements	CB000065	-	2,000,000	8,000,000	4,000,000	-
A21	Halifax City Hall and Grand Parade Restoration	CBX01046	1,750,000	250,000	250,000	500,000	500,000
A22	HRFE Future Buildings Recapitalization	CB000057	-	1,250,000	1,250,000	1,500,000	500,000
A23	HRM Depot Upgrades	CBX01170	-	750,000	400,000	-	-
A24	Mechanical (Category 6)	CBX01269	100,000	100,000	100,000	100,000	100,000
A25	Metropark Upgrades	CBX01140	90,000	90,000	100,000	100,000	100,000
A26	Multi District Facilities (MDF)-Upgrades (Bundle)	CB000002	-	500,000	500,000	500,000	500,000
A27	Musquodoboit Harbour Rec Facility (Village Plaza)	CB000058	340,000	-	-	-	-
A28	Musquodoboit Library Refurbishment	CB000070	-	-	195,000	-	250,000
A29	Regional Park Washrooms	CB000010	60,000	1,250,000	-	-	-
A30	Roof (Category 3)	CBX01272	245,000	2,600,000	2,000,000	1,000,000	1,000,000
A31	Sackville Sports Stadium	CB000060	-	-	-	-	-
A32	Scotiabank Centre	CB000028	3,620,000	1,470,000	850,000	-	-
A33	Site Work (Category 1)	CBX01271	85,000	250,000	300,000	300,000	325,000
A34	St. Andrew's Community Centre Renovation	CB000011	-	1,000,000	3,100,000	2,000,000	-
A35	Structural (Category 4)	CBX01270	-	100,000	100,000	100,000	100,000
A36	Tallahassee Recreation Centre Upgrades	CB000068	200,000	-	-	-	-
A37	Upper Hammonds Plains Community Centre	CB000071	165,000	-	-	-	-
	Buildings Total		50,960,000	38,905,000	25,840,000	15,600,000	7,875,000

2016/2017 Capital Budget Form

Project Name:	Accessibility - HRM Facilities
Project Number:	CBX01154
Business Unit:	Operations Support
Project Manager:	Darren Young
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

Scope of Work for 2016/17 includes: 1) Continuation of the automatic door operator program started in 2011. HRM has installed over 100 door operators at various locations. 2) Work identified during the 2015/16 audits of administrative buildings. 3) accessibility audits on the next set of priority municipal buildings (libraries).

Total Capital Request: (5 Years) \$ 1,700,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured **Concept**

How advanced are the budget estimates? Class D, C, B or A **Class 'D'**

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	400,000	400,000	400,000	400,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	400,000	400,000	400,000	400,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Upgrades to entryways, washrooms and ramps	450,000
Continuation of automatic door opener installations on HRM buildings	100,000
Upgrades associated with 2015/16 building audits (administrative building)	200,000
Future Building Audits (libraries)	25,000
Consultants	25,000
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	800,000
Less Projected Carry Forward from Previous Years	700,000
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	Alderney Gate Recapitalization(Bundle)
Project Number:	CBX01157
Business Unit:	Operations Support
Project Manager:	Diane Moulton
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

The purpose of this account is to address building envelope, building systems and common space throughout the Alderney Campus. A goal of the project is to improve access from Alderney Drive.
Note, this does not include tenant fit-up fund from CRA.

Total Capital Request: (5 Years) \$

2,210,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	210,000	500,000	500,000	500,000	500,000
Funding Source:					
Reserve Q135 - Alderney Gate Recapitalization	210,000	500,000	500,000	500,000	500,000
	-	-	-	-	-
Total Funding:	210,000	500,000	500,000	500,000	500,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Building	-
Integration of environmental management system	150,000
Roofing	460,000
Second Floor air conditioning unit	60,000
Common area refresh	250,000
Landscape improvements	25,000
Siding repairs (Dartmouth Ferry Terminal)	15,000
	-
	-
	-
Total Estimated Work Plan 2016/17	960,000
Less Projected Carry Forward from Previous Years	750,000
Gross Budget Request for 2016/17	210,000

2016/2017 Capital Budget Form

Project Name:	Beazley Field Grandstands & Upgrades
Project Number:	CB000030
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

In 2014, Regional Council approved the removal and demolition of the existing grandstands and installation of temporary bleachers. Work in 2016/17 will include completion of a site plan for Beazley Field with carry forward funds. Staff will return to Regional Council once a site plan has been completed with a project plan and a budget for Regional Council to consider.

Total Capital Request: (5 Years) \$

100,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Site Plan	80,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	80,000
Less Projected Carry Forward from Previous Years	80,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Bedford Outdoor Pool
Project Number:	CB000067
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

The Bedford Outdoor Pool currently has only 2 showers for the entire facility. They are located on the pool deck. These two showers do not meet the demand of the participants at this location, as there are approx. 200 plus swimmers daily. During peak times there can be upwards of 50 plus people waiting to rinse off before entering the pool. In 2014, the Department of Health & Wellness produced guidelines concerning rinsing before entering a public pool. In an effort to follow those guidelines, there should be a minimum of 5 showers to better service the public. Replacement of the waterline into the pool is also required due to leakage issues which resulted in unforeseen shut down in the 2015 season. Upon further examination of the site it was determined that the left hand side of the pool's water line is also failing and will need to be repaired prior to opening in the 2016 season.

Total Capital Request: (5 Years) \$

100,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	5,000	-	-	-	-
Net Annual Operating Costs:	5,000	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Installation of additional showers	50,000
Waterline repair or replacement	50,000
	-
	-
	-
Total Estimated Work Plan 2016/17	100,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	BMO Centre
Project Number:	CB000064
Business Unit:	Parks & Recreation
Project Manager:	Darren Young
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

There is a contractual agreement which requires Nustadia Recreation Inc. to maintain the BMO Centre to meet the recreation needs of HRM citizens. The agreement states Nustadia is responsible for all capital work in the building and HRM is liable for all capital costs. Reserve number Q141 (BMO Life Cycle Reserve) has been set up and would be the source of funding for these capital items.

Total Capital Request: (5 Years) \$

80,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	80,000	-	-	-	-
Funding Source:					
Reserve Q141 - BMO Lifecycle Reserve	80,000	-	-	-	-
	-	-	-	-	-
Total Funding:	80,000	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Arena Board and Gate Replacement	8,000
Arena Lighting Relamping	11,000
Skate Tile Replacement	11,000
Parking Lot Repair	10,000
Retention Pond	25,000
Condenser Treatment System	15,000
	-
	-
	-
Total Estimated Work Plan 2016/17	80,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	80,000

2016/2017 Capital Budget Form

Project Name:	Building Recapitalization Future Years - Parks & Recreation
Project Number:	CB000048
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

In 2012, the Municipality undertook a Building Condition Assessment program to develop a State of Good Repair recapitalization program for municipal buildings. The data formulated a 5 - year recapitalization plan which addresses priority buildings for recapitalization and integrates systematic building projects to maintain the assets. This project is the execution of the years 2-5 of the recapitalization plan. This scope covers recapitalization of the facility and does not include any service improvements.

Total Capital Request: (5 Years) \$

9,715,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	2,000,000	2,515,000	2,600,000	2,600,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	2,000,000	2,515,000	2,600,000	2,600,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Captain William Spry Renovations
Project Number:	CB000023
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

Captain William Spry Community Centre was constructed in 1985 to meet the recreation and social needs of the community. This project will 1) improve the state of good repair of the locker rooms; 2) reduce maintenance costs due to the age of the existing materials and 3) improve accessibility. An addition is proposed to contain the locker rooms in order to minimize the loss of programming space for swimming.

Total Capital Request: (5 Years) \$ 1,000,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured **Concept**

How advanced are the budget estimates? Class D, C, B or A **Class 'D'**

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	750,000	250,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	750,000	250,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Combination of renovation to existing pool locker rooms and family change areas.	800,000
New building addition to include:	-
1. Redesign and retrofit of the existing pool locker rooms and family change area to new public space and community program areas.	-
2. Construction of an addition to the building to accommodate male, female and family change rooms for	-
3. Redesign and retrofit wall layout between existing south pool deck area and existing change room area	-
4. Retrofit existing control desk.	-
	-
Total Estimated Work Plan 2016/17	800,000
Less Projected Carry Forward from Previous Years	50,000
Gross Budget Request for 2016/17	750,000

2016/2017 Capital Budget Form

Project Name:	Chocolate Lake Community Centre
Project Number:	CB000072
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

The Chocolate Lake Recreation Centre, located on Purcell's Cove Road, features a community component as well as a weight room. In 2012, the Municipality undertook a Building Condition Assessment program to develop a State of Good Repair recapitalization program for municipal buildings. The data formulated a 5-year recapitalization plan which identifies lifecycle deficiencies that need to be addressed in order to maintain the assets in a state of good repair. This project will address the deficiencies at the Chocolate Lake Community Centre in order to improve the condition of the asset.

Total Capital Request: (5 Years) \$

220,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	220,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	220,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Chocolate Lake Community Centre:	220,000
Upgrades to preschool washrooms	-
Window upgrades	-
Foundation repair	-
	-
Total Estimated Work Plan 2016/17	220,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	220,000

2016/2017 Capital Budget Form

Project Name:	Cole Harbour Place
Project Number:	CB000045
Business Unit:	Parks & Recreation
Project Manager:	Darren Young
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

This project includes the review of the building assessments, engagement of consultants, developing a project plan and construction activities.
Several of the tasks, due to the scale and low dollar value, will be delivered directly by Cole Harbour Place and funded through this cost centre.

Total Capital Request: (5 Years) \$

2,750,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,375,000	1,375,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	1,375,000	1,375,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Direct delivery by CHP	50,000
Infrastructure	-
Pool and tile upgrades	310,000
Mechanical upgrades such as chillers, dehumidification, air handling units, pumps, heating	400,000
Architectural work	315,000
Roof replacement	750,000
Consulting	50,000
	-
	-
	-
Total Estimated Work Plan 2016/17	1,875,000
Less Projected Carry Forward from Previous Years	500,000
Gross Budget Request for 2016/17	1,375,000

2016/2017 Capital Budget Form

Project Name: Commons Pool & Pavilion
Project Number: CB000024
Business Unit: Parks & Recreation
Project Manager: Terry Gallagher
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Buildings

Project Summary:

The Commons Pool has reached the end of life and requires replacement. Details of the replacement will be confirmed through the updating of the Commons Master Plan. Maintenance work is required on the pool in the interim to be able to maintain its operation until completion of the North Commons Master plan and the scoping of the recommended improvements to the infrastructure.

Total Capital Request: (5 Years) \$

70,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	70,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	70,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Repairs to the existing pool to maintain its operational state.	70,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	70,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	70,000

2016/2017 Capital Budget Form

Project Name: Consulting - Buildings (Category 0)
Project Number: CBX01268
Business Unit: Operations Support
Project Manager: Terry Gallagher
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Buildings

Project Summary:

This cost centre supports multiple service improvements and state of good repair deliverables that require external consultants to initiate or complete smaller scale projects that have not been assigned. This funding is also for external consultants when there are not available internal staff to meet the service levels required by internal clients.

Total Capital Request: (5 Years) \$

400,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

N/A

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	100,000	100,000	100,000	100,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	100,000	100,000	100,000	100,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Consulting for future years recapitalization including outsourcing for project management	100,000
Programming, feasibility studies, business plans and concept plans for future years projects	50,000
Updating Building Condition Assessments to ensure Facility Condition Index is current	50,000
	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years.	200,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Corporate Accommodations
Project Number:	CB000047
Business Unit:	Operations Support
Project Manager:	Marcia Connolly
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

This project will support staff relocations, as well as office and municipal service configuration. A detailed assessment is underway which will define and outline a corporate accommodations strategy.

Total Capital Request: (5 Years) \$

4,000,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,000,000	1,000,000	1,000,000	1,000,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	1,000,000	1,000,000	1,000,000	1,000,000	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Specific projects and priorities will be identified by a Corporate Accommodations Study currently underway.	1,000,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	1,000,000
Less Projected Carry Forward from Previous Years.	-
Gross Budget Request for 2016/17	1,000,000

2016/2017 Capital Budget Form

Project Name: Dartmouth Multi-Pad
Project Number: CB000049
Business Unit: Parks & Recreation
Project Manager: Darren Young
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Buildings

Project Summary:

Construction of a new 4-Pad arena on Commodore Drive. Project includes the integration of a new building that will meet the program requirements for the arenas along with the existing infrastructure (all-weather fields and volley ball courts).

Total Capital Request: (5 Years) \$ 41,000,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	34,000,000	7,000,000	-	-	-
Funding Source:					
Reserve Q146 - Planned Strategic Projects	34,000,000	7,000,000	-	-	-
	-	-	-	-	-
Total Funding:	34,000,000	7,000,000	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Detailed Work Plan 2016/17:	Estimate
Commence site development in the spring of 2016	34,000,000
Parking for all-weather fields and beach volleyball to be constructed first	-
Environmental protection of the existing water course	-
Foundations	-
Site Services	-
Building structure	-
Building envelope to weather tight prior to December 15 2016	-
Commence interior work	-
	-
Total Estimated Work Plan 2016/17	34,000,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	34,000,000

2016/2017 Capital Budget Form

Project Name:	Dartmouth Sportsplex Revitalization
Project Number:	CB000006
Business Unit:	Parks & Recreation
Project Manager:	Greg Mackay
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

The building does not meet the expectations of the public for a multi-sport facility and community centre. Noteworthy deficiencies include 1) lack of internal visibility, 2) daylighting, 3) functional layout, 5) welcoming entry, and 6) lack of a gymnasium.

Scope of Work includes:

1. Construction of a new double gymnasium
2. New entry
3. New fitness centre
4. Renovations to locker room and circulation
5. Project includes \$3,000,000 in building recapitalization above the renovation budget

Total Capital Request: (5 Years) \$

20,800,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	4,400,000	13,120,000	3,280,000	-	-
Funding Source:					
Reserve Q146 - Planned Strategic Projects	4,400,000	13,120,000	3,280,000	-	-
	-	-	-	-	-
Total Funding:	4,400,000	13,120,000	3,280,000	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Combination of renovation of existing building and expansion, planned items include:	4,400,000
Construction of a new double gymnasium	-
New entry	-
New fitness centre	-
Renovations to locker room and improved circulation	-
	-
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	4,400,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	4,400,000

2016/2017 Capital Budget Form

Project Name:	Eastern Passage High School Enhancements
Project Number:	CB000007
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

On January 15, 2013, Regional Council approved entering into a partnership with the Province of Nova Scotia, to facilitate high school enhancements in response to the Cole Harbour Needs Assessment. The proposed enhancement of the gymnasium for the Eastern Passage High School creates an additional full gymnasium for school and community use. Payment of HRM contribution was originally budgeted in 2014/15; however, the project has been delayed by the Province.

Total Capital Request: (5 Years) \$ 650,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured **Concept**

How advanced are the budget estimates? Class D, C, B or A **Class 'D'**

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	650,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	650,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Energy Efficiency Upgrades
Project Number:	CBX01161
Business Unit:	Planning & Development
Project Manager:	John MacPherson
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

This project typically includes natural gas conversion, HVAC upgrades, water conservation upgrades and lighting upgrades. The work will provide improved reliability, improved indoor air quality and reduced energy consumption which will realize savings in operating costs.

Total Capital Request: (5 Years) \$ 2,300,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	300,000	500,000	500,000	500,000	500,000
Funding Source:					
Reserve Q131 - Energy and Underground Services	300,000	500,000	500,000	500,000	500,000
	-	-	-	-	-
Total Funding:	300,000	500,000	500,000	500,000	500,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Prioritized lighting upgrades and other efficiency projects in our current building stock.	300,000
Upgrade building management systems to gather and review data on building energy performance in collaboration with Facility Design and Construction and Facilities Management.	-
Participate in NS DOE's new Community Solar Program, piloting solar PV technology on one or more of our buildings. All energy produced is sold to NSP under a contract for a set rate and a defined term. Monitoring equipment is provided by NSP and data is shared.	-
Consider piloting a new-to-Canada renewable technology in HRM – e.g. solar mills (small vertical wind turbines connected to rooftop solar panels) for electricity generation.	-
	-
Total Estimated Work Plan 2016/17	300,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	300,000

2016/2017 Capital Budget Form

Project Name:	Environmental Remediation/Building Demolition
Project Number:	CBX01162
Business Unit:	Operations Support
Project Manager:	Terry Gallagher
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

The projects this year include the demolition of several smaller scaled facilities and the completion of projects that were initiated in previous years.

Total Capital Request: (5 Years) \$

1,800,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	200,000	400,000	400,000	400,000	400,000
Funding Source:					
Reserve Q101 - Sale of Capital Assets	200,000	400,000	400,000	400,000	400,000
	-	-	-	-	-
Total Funding:	200,000	400,000	400,000	400,000	400,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

1. 6838 Bayer's Road - Asbestos	40,000
2. 6850 Bayer's Road	70,000
3. Fire Station #62	90,000
As well as other projects identified in previous years.	600,000
	-
Total Estimated Work Plan 2016/17	800,000
Less Projected Carry Forward from Previous Years	600,000
Gross Budget Request for 2016/17	200,000

2016/2017 Capital Budget Form

Project Name: Eric Spicer
Project Number: CB000069
Business Unit: Planning & Development
Project Manager: John MacPherson
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Buildings

Project Summary:

This project involves: a) natural gas conversion, b) replacement of oil-fired boilers, c) removal of underground oil tank, d) controls upgrades, e) HVAC upgrades, f) water conservation upgrades and g) lighting upgrades. Project will provide improved reliability, improved indoor air quality and reduced energy consumption.

Total Capital Request: (5 Years) \$

500,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	-	-	-	-
Funding Source:					
Reserve Q131 - Energy and Underground Services	500,000	-	-	-	-
	-	-	-	-	-
Total Funding:	500,000	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Year 1 funding	1,200,000
Year 2 included	500,000
1) Conversion to natural gas	-
2) Decommissioning of the existing boilers and storage tanks	-
3) Upgrades to the existing electrical system	-
	-
	-
Total Estimated Work Plan 2016/17	1,700,000
Less Projected Carry Forward from Previous Years (Year 1 from CBX01161)	1,200,000
Gross Budget Request for 2016/17	500,000

2016/2017 Capital Budget Form

Project Name:	Fire Station Land Acquisition
Project Number:	CBX01102
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Terry Gallagher
Project Type:	Growth
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

The purpose of this account is to provide funds for the purchase of land for construction of new fire stations. The focus for 16/17 will be to purchase land for 2 stations as approved by Regional Council motion item 14.1(3) from Mar 31, 2015. One station will be for the relocation of Station #8 and the other will be for a station in the Larry Uteck Area.

Total Capital Request: (5 Years) \$

1,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

N/A

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,000,000	-	-	-	-
Funding Source:					
Reserve Q101 - Sale of Capital Assets	1,000,000	-	-	-	-
	-	-	-	-	-
Total Funding:	1,000,000	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

1. Identification of possible sites in catchment areas	2,000,000
2. Calculation of site development costs	-
3. Assessment of site risk(s)	-
4. Option analysis and validation	-
5. Transaction fee	-
	-
	-
Total Estimated Work Plan 2016/17	2,000,000
Less Projected Carry Forward from Previous Years	1,000,000
Gross Budget Request for 2016/17	1,000,000

2016/2017 Capital Budget Form

Project Name:	Fire Station Replacements
Project Number:	CB000065
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

Project includes

1. Development of a detailed Program of Requirements
2. Purchase of land for the construction of the fire stations - see account CBX01102
3. Procurement of Consultants to prepared design and contract documents
4. Tender/Award/Construction of the new fire stations.
5. Review of the future use of the existing fire stations.

The current plan is to procure consultants in 2017/18 and construct one station in 2018/19 and another in 2019/20 as per Regional Council motion item 14.1(3) from Mar 31, 2015.

Total Capital Request: (5 Years) \$ 14,000,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	2,000,000	8,000,000	4,000,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	2,000,000	8,000,000	4,000,000	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Halifax City Hall and Grand Parade Restoration
Project Number:	CBX01046
Business Unit:	Operations Support
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

HRM is in the final phases of the multi-year project to improve the state of good repair of City Hall and the Grand Parade to its former elegance. Prior to the commencement of the recapitalization work, City Hall was in a poor state of repair and many of the building mechanical systems were at the end of their life cycle.

Total Capital Request: (5 Years) \$ 3,250,000

Supports Outcome Area: Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Design

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,750,000	250,000	250,000	500,000	500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	1,750,000	250,000	250,000	500,000	500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Grande Parade	-
Consulting Services	600,000
Restoration of stone wall	500,000
Restoration of balustrades	50,000
City Hall	-
Material, functional and finish improvements, public washrooms, interior doors, stairs and office space	600,000
Improvements to the heating, ventilation and plumbing systems	350,000
Consulting Services, exterior window replacement note: window replacement in 2017/18 10,0000	50,000
	-
Total Estimated Work Plan 2016/17	2,150,000
Less Projected Carry Forward from Previous Years	400,000
Gross Budget Request for 2016/17	1,750,000

2016/2017 Capital Budget Form

Project Name:	HRFE Future Buildings Recapitalization
Project Number:	CB000057
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

Fire Services has identified Station #2 on University Ave. as a station that requires not only recapitalization but also improvements to the functionality of the space on the upper floor.

The project will include 1) renovations to the station to accommodate two full crews of four personnel and a divisional commander for a total of nine persons. To undertake this renovation, temporary accommodations for staff will be required on site to maintain service levels; 2) Improvements to the kitchen/dining quarters; 3) Improvements to the washrooms and locker rooms; 4) Construction and fit-out of a Training Room and Fitness Area.

Station #3- West Street requires renovations to improve the Training Room, Dormitory and Kitchen/Dining space.

Total Capital Request: (5 Years) \$ 4,500,000

Supports Outcome Area: Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	1,250,000	1,250,000	1,500,000	500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	1,250,000	1,250,000	1,500,000	500,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	HRM Depot Upgrades
Project Number:	CBX01170
Business Unit:	Transportation & Public Works
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

The depots accommodate administration, storage, and service/repairs to improve and maintain municipal assets. Facility condition index assessments indicate state of good repair and functional improvements are needed to address service requirements. This project will accommodate staff relocations, as well as office and service configuration. Leasehold improvements will take place to utilize space more efficiently and provide a healthy and safe workplace for Facility Maintenance & Operations staff.

Total Capital Request: (5 Years) \$

1,150,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	750,000	400,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	750,000	400,000	-	-

Ongoing Operating Costs

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Cowie Hill	250,000
Reconfigure staff space to optimize efficiency	-
Mackintosh	375,000
Security guard kiosk	-
Security systems (cameras/fencing)	-
Functional and building system improvements	-
Turner Drive	375,000
Code compliance re: stairs	-
Female locker room	-
Functional and building system improvements	-
Security - cameras cabling	-
Total Estimated Work Plan 2016/17	1,000,000
Less Projected Carry Forward from Previous Years	1,000,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Mechanical (Category 6)
Project Number:	CBX01269
Business Unit:	Operations Support
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

This account provides for the recapitalization of mechanical systems in HRM owned and operated buildings. Due to the age of many of the facilities, the mechanical systems have reached the end of their useful life and are in need of replacement. This account funds the recap to the systems and improvements to the automated building control systems.

Total Capital Request: (5 Years) \$

500,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	100,000	100,000	100,000	100,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	100,000	100,000	100,000	100,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Musquodoboit - Village Plaza Library (ventilation improvements)	200,000
Dartmouth Ferry Terminal - HVAC	70,000
Metro Transit 200 Ilsley - HVAC	100,000
Needham Centre - HVAC and boiler replacement	100,000
North Branch Library - HVAC	80,000
Level 2 Lease Dartmouth Ferry Terminal (air conditioning unit)	125,000
Halifax Ferry Terminal (mechanical and plumbing upgrades)	125,000
Halifax Regional Police Headquarters (air handling units)	125,000
Emergency generator program	100,000
Completion of mechanical projects funded and commenced in previous years	475,000
Total Estimated Work Plan 2016/17	1,500,000
Less Projected Carry Forward from Previous Years	1,400,000
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name: Metropark Upgrades
Project Number: CBX01140
Business Unit: Operations Support
Project Manager: Terry Gallagher
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Buildings

Project Summary:

This account is to fund yearly recapitalization of the Metropark structure based upon recommendations from the operator. The facility is owned by HRM and is operated by the Hardman Group Limited under a Management Agreement. Revenues from the parkade fund the Metropark Parkade Reserve (Q125), which in turn funds the capital improvements. This account addresses lifecycle deficiencies.

Total Capital Request: (5 Years) \$

480,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	90,000	90,000	100,000	100,000	100,000
Funding Source:					
Reserve Q125 - Metro Parkade	90,000	90,000	100,000	100,000	100,000
	-	-	-	-	-
Total Funding:	90,000	90,000	100,000	100,000	100,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Work plan is based upon recommendation provided to HRM by the operator.	90,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	90,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	90,000

2016/2017 Capital Budget Form

Project Name:	Multi District Facilities (MDF)-Upgrades (Bundle)
Project Number:	CB000002
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

This project is the continuation of the multi-year recapitalization of HRM's multi-district facilities and other recreation facilities that do not have discrete accounts for improving the state of good repair. Due to the age of many of the facilities, they require improvements to the major building systems to continue to provide service to the residents of HRM.

Total Capital Request: (5 Years) \$

2,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	500,000	500,000	500,000	500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	500,000	500,000	500,000	500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Completion of MDF projects identified in previous years including:	-
Canada Games Centre - improvement to the solar panels	100,000
Alderney Landing - awning	100,000
St. Margaret's Centre - mechanical/electrical recap	500,000
Upgrades to other Recreation Facilities include:	-
Spryfield Lions Rink - mechanical/electrical recap	650,000
Centennial Pool - bulkhead consultant and construction	250,000
Eastern Shore Recreation Centre - mechanical	100,000
	-
Total Estimated Work Plan 2016/17	1,700,000
Less Projected Carry Forward from Previous Years	1,700,000
Gross Budget Request for 2016/17	

2016/2017 Capital Budget Form

Project Name:	Musquodoboit Harbour Rec Facility (Village Plaza)
Project Number:	CB000058
Business Unit:	Parks & Recreation and Library Services
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

Over the past two years Parks and Recreation and Library Services have been planned renovations that focus on their respective space occupied. This renovation will investigate the opportunities to minimize the duplication in entries, washrooms and program space as well as improving accessibility, reducing deferred maintenance while improving the customer experience by executing a combined project. The condition of the building has been documented by Facility Condition Assessments. This renovation will significantly reduce the Facility Condition Index (FCI) of the building

Total Capital Request: (5 Years) \$

340,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	340,000	-	-	-	-
Funding Source:		-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	340,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Building recapitalization:	440,000
1. Consultants services	-
2. Demolition of existing walls, partitions, mechanical electrical	-
3. Structural to new layout	-
4. New exterior entry	-
5. New partition layout	-
6. Mechanical electrical to new layout	-
7. Improvements to windows and glazing	-
8. Improvements to floor finishes	-
9. New washrooms	-
Additionally \$200K of carry forward funds will be used for ventilation upgrades from the mechanical account (CBX01269)	-
	-
Total Estimated Work Plan 2016/17	440,000
Less Projected Carry Forward from Previous Years	100,000
Gross Budget Request for 2016/17	340,000

2015/2016 Capital Budget Form

Project Name:	Musquodoboit Library Refurbishment
Project Number:	CB000070
Business Unit:	Halifax Public Libraries
Project Manager:	Kathleen Peverill
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

This twenty year old library requires a renovation and refurbishment to more efficiently and effectively meet customer demands. A new layout and redesign will ensure Musquodoboit Harbour Library continues to play an integral role in the community as a community gathering place offering technology, programming and collections.

Total Capital Request: (5 Years) \$

445,000

Supports Outcome Area:

Healthy Communities (Council Outcome Area)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	195,000	-	250,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	195,000	-	250,000

Ongoing Operating Costs

	2015/16	2016/17	2017/18	2018/19	2019/20
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2015/16	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2015/16	-

2016/2017 Capital Budget Form

Project Name:	Regional Park Washrooms
Project Number:	CB000010
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

The Regional Park Washroom program will support the construction of washroom facilities in HRM parks. The plan allows for the construction of washrooms adjacent to HRM supervised beaches without any, or where existing facilities require upgrades.

Total Capital Request: (5 Years) \$

1,310,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	60,000	1,250,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	60,000	1,250,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Preliminary consulting and design work for future washroom sites	60,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	60,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	60,000

2016/2017 Capital Budget Form

Project Name:	Roof (Category 3)
Project Number:	CBX01272
Business Unit:	Operations Support
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

2016/17 is year 2 of the HRM re-roofing program. During Year 1, an RFP for Consultant Services was awarded and several of the highest priority roofs were replaced. In Year 2 the program will continue with the replacement of remaining priority roofs. Where possible several like roofs will be combined into one tender to achieve economies of scale and reduce the cost of the project management of the program.

Total Capital Request: (5 Years) \$ 6,845,000

Supports Outcome Area: Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Design

How advanced are the budget estimates? Class D, C, B or A Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	245,000	2,600,000	2,000,000	1,000,000	1,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	245,000	2,600,000	2,000,000	1,000,000	1,000,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Detailed Work Plan 2016/17:	Estimate
Sackville Sports Stadium	450,000
St. Margaret's Centre	450,000
Carroll's Corner	50,000
Dartmouth North Community Centre	100,000
Chocolate Lake Recreation Centre	100,000
Evergreen House, Hubbard's Community Centre, Northbrook Community Centre, MacPhee House, Upper Hammonds Plains Community Centre, Wallace Lucas Community Centre	145,000
	-
	-
Total Estimated Work Plan 2016/17	1,295,000
Less Projected Carry Forward from Previous Years	1,050,000
Gross Budget Request for 2016/17	245,000

2016/2017 Capital Budget Form

Project Name: Sackville Sports Stadium
Project Number: CB000060
Business Unit: Parks & Recreation
Project Manager: Nick Allen
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Buildings

Project Summary:

Sackville Sports Stadium was constructed in the 1980s; many of the building components have reached the end of their lifecycle. The Building Condition Assessment identified Sackville Sports Stadium has a good Facility Condition Index. This project will address deferred maintenance at the facility such as envelope/roofing work and the systematic recapitalization of the arena equipment and systems.

Total Capital Request: (5 Years) \$

-

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Pool and change rooms upgrades	510,000
Boiler replacement and air handling units	115,000
Energy management system	75,000
	-
	-
Total Estimated Work Plan 2016/17	700,000
Less Projected Carry Forward from Previous Years	700,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Scotiabank Centre
Project Number: CB000028
Business Unit: Parks & Recreation
Project Manager: Terry Gallagher
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Buildings

Project Summary:

The projects to be executed in 2016 will address significant parts of the building envelope as well as lighting and ice making capability. Building Condition assessments have identified these as priorities and in need of replacement. Due to the nature of the work, these projects are time and season sensitive and will require coordination with the scheduling/programming in the building.

Total Capital Request: (5 Years) \$

5,940,000

Supports Outcome Area:

Economic Development (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	3,620,000	1,470,000	850,000	-	-
Funding Source:					
Reserve Q319 - Major Events Facilities Reserve	3,620,000	1,470,000	850,000	-	-
	-	-	-	-	-
Total Funding:	3,620,000	1,470,000	850,000	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Roof recapitalization	1,345,000
Ice slab replacement	1,200,000
LED lighting upgrade	650,000
Consulting	100,000
	-
Total Estimated Work Plan 2016/17	3,620,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	3,620,000

2016/2017 Capital Budget Form

Project Name:	Site Work (Category 1)
Project Number:	CBX01271
Business Unit:	Operations Support
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Buildings

Project Summary:

Many of the sites surrounding HRM facilities, which include administration buildings, recreational facilities, and fire stations, require capital improvements to site drainage, site grading, underground services, paving and landscaping. Exterior assets decline at an accelerated rate and require monitoring and repair to minimize the funding required.

Total Capital Request: (5 Years) \$

1,260,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	85,000	250,000	300,000	300,000	325,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	85,000	250,000	300,000	300,000	325,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Fire Station (FS) #12 at 45 Highfield Park	80,000
FS #13 at 86 King Street - rear parking lot	30,000
FS #20 at 2385 Crowell Lowerentown	15,000
FS #22 at North Preston Lake Echo#2	45,000
FS #35 at Cooks Brook 39 Corbet Road	35,000
FS #38 Musquodoboit	35,000
FS #53 Terence Bay	25,000
Bedford Leisure Centre	55,000
Acadia Recreation Centre	70,000
Keschon Goodman Library	10,000
St. Mary's Boat Club (cribbing in 17/18 \$100K)	-
	-
Total Estimated Work Plan 2016/17	400,000
Less Projected Carry Forward from Previous Years	315,000
Gross Budget Request for 2016/17	85,000

2016/2017 Capital Budget Form

Project Name:	St. Andrew's Community Centre Renovation
Project Number:	CB000011
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

This project will modernize the facility with a concentration on accessibility, deferred maintenance and improved multi-functional spaces. The project will remedy deficiencies from the Building Condition Assessment and take into account input collected from public consultation.

Total Capital Request: (5 Years) \$

6,100,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	1,000,000	3,100,000	2,000,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	1,000,000	3,100,000	2,000,000	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Consulting and design work	200,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years	200,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Structural (Category 4)
Project Number: CBX01270
Business Unit: Operations Support
Project Manager: Terry Gallagher
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Buildings

Project Summary:

The purpose of this account is to address building structural issues that are discrete and are not captured in a distinct cost centre. This project typically addresses foundations, structural systems, steel, concrete and masonry.

Total Capital Request: (5 Years) \$

400,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	100,000	100,000	100,000	100,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	100,000	100,000	100,000	100,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Exterior repairs to Sir Sandford Fleming Cottage	150,000
Structural repairs (exterior) Acadia School	100,000
Consultant services	50,000
Shakespeare by the Sea (roof structure repairs due to fire damage)	50,000
Spencer House (foundation repairs)	50,000
	-
Total Estimated Work Plan 2016/17	400,000
Less Projected Carry Forward from Previous Years	400,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Tallahassee Recreation Centre Upgrades
Project Number:	CB000068
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

This project will focus on upgrades at the Tallahassee Recreation Centre, located in Eastern Passage. In 2012, the Municipality undertook a Building Condition Assessment program to develop a State of Good Repair recapitalization program for municipal buildings. The data formulated a 5-year recapitalization plan which identifies lifecycle deficiencies that need to be addressed in order to maintain the assets in a state of good repair. This project will address the deficiencies at the Tallahassee Recreation Centre in order to improve the condition of the asset.

Total Capital Request: (5 Years) \$

200,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	200,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	200,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Tallahassee Community Centre:	200,000
Heating upgrades	-
Flooring upgrades	-
Electrical upgrades	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	200,000

2016/2017 Capital Budget Form

Project Name:	Upper Hammonds Plains Community Centre
Project Number:	CB000071
Business Unit:	Parks & Recreation
Project Manager:	Terry Gallagher
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Buildings

Project Summary:

This project will focus on upgrades at the Upper Hammonds Plains Community Centre, located on Pockwock Road. In 2012, the Municipality undertook a Building Condition Assessment program to develop a State of Good Repair recapitalization program for municipal buildings. The data formulated a 5-year recapitalization plan which identifies lifecycle deficiencies that need to be addressed in order to maintain the assets in a state of good repair. This project will address the deficiencies at the Upper Hammonds Plains Community Centre in order to improve the condition of the asset.

Total Capital Request: (5 Years) \$

165,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	165,000	-	-	-	-
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	165,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Upper Hammonds Plains Community Centre:	165,000
Mechanical Upgrades (including fire panel)	-
Added insulation	-
Exterior lighting	-
Roofing repairs	-
	-
Total Estimated Work Plan 2016/17	165,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	165,000

**5-Year Gross Capital Budget
Business Tools**

Page	Budget Category	Project #	2016	2017	2018	2019	2020
	Business Tools						
B1	Accident Reporting Business Intelligence	CI000006	100,000	285,000	-	-	-
B2	Application Recapitalization	CI000002	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000
B3	Automated Vehicle Location (AVL)	CID01292	-	200,000	1,000,000	-	-
B4	Business Intelligence (BI) Program	CI990001	-	390,000	500,000	-	-
B5	Computer Aided Dispatch (CAD)	CIP00763	-	-	-	-	-
B6	Contact Centre Telephony Solution	CI990017	-	-	-	-	-
B7	Corporate Epayment Solution	CI000008	125,000	100,000	-	-	-
B8	Council Chambers Technology Upgrade	CI990019	290,000	-	-	-	-
B9	CRM Software Replacement	CI990020	-	500,000	500,000	500,000	500,000
B10	Enterprise Asset Management (EAM)	CID00631	2,700,000	1,580,000	-	-	-
B11	Enterprise Content Management Program	CI990018	-	500,000	500,000	500,000	500,000
B12	Health and Safety Incident Reporting	CI990010	675,000	-	-	-	-
B13	HR Employee Self Serve/Manager Self Serve (ESS/MSS)	CI990032	-	670,000	520,000	-	-
B14	HRFE Dispatch Project	CI990027	235,000	-	-	-	-
B15	HRFE Fire Department Management(FDM) Review & Enhancements	CI990028	-	300,000	405,000	-	-
B16	HRP GO Data and Information Management	CI990023	100,000	1,200,000	215,000	-	-
B17	ICT Business Tools	CI990004	500,000	600,000	500,000	500,000	500,000
B18	ICT Infrastructure Recapitalization	CI000004	850,000	950,000	950,000	950,000	950,000
B19	IT Service Management System	CI990002	-	130,000	135,000	-	-
B20	Parking Ticket Management System	CI990031	-	515,000	900,000	-	-
B21	Permitting, Licensing, and Compliance Replacement Solution	CI990013	400,000	1,210,000	1,615,000	-	-
B22	Personnel Accountability Management Review	CI000012	100,000	-	-	-	-
B23	Public Wi-Fi	CI000013	945,000	525,000	525,000	525,000	525,000
B24	Recreation Services Software	CI000005	900,000	1,645,000	1,205,000	1,520,000	-
B25	Revenue Management Solution	CI990009	250,000	1,940,000	1,350,000	1,150,000	-
B26	Rostering	CI000015	150,000	1,000,000	170,000	-	-
B27	Source Management	CI000016	100,000	415,000	-	-	-
B28	Trunk Mobile Radios - TMR	CID01362	-	-	-	-	-
B29	Web Transformation Program	CI000001	800,000	-	-	-	-
	Business Tools Total		10,420,000	16,155,000	12,490,000	7,145,000	4,475,000

2016/2017 Capital Budget Form

Project Name:	Accident Reporting Business Intelligence
Project Number:	CI000006
Business Unit:	Halifax Regional Police
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Based upon the eMVA (Electronic Motor Vehicle Accidents) solution implemented in Fiscal Year 15/16, this project intends to implement technology that will create the ability to analyze the data in various ways in support of a diverse set of requirements from Halifax Regional Police (HRP) as well as TPW (Transportation and Public Works).

Total Capital Request: (5 Years) \$

385,000

Supports Outcome Area:

Health & Safety (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	285,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	285,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Project Management, Change Management, Training and oversight	15,000
Planning & Requirements	85,000
	-
	-
	-
Total Estimated Work Plan 2016/17	100,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	Application Recapitalization
Project Number:	CI000002
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

Application State of Good Repair: HRM ICT is implementing best practices in the lifecycle management of its IT application assets to ensure they are maintained in a state of good repair. This project account consolidates the regular maintenance, upgrading, and continuous improvement activities related to HRM's 180+ IT applications. Each application is monitored and assessed with regard to its operational capability, stability, and technology life cycle, and has an associated plan that lays out the required activities that will ensure HRM's suite of IT applications is both highly available and that the information contained therein is secure

Total Capital Request: (5 Years) \$

7,200,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Application Release Management	50,000
Application Sustainability (Rationalization, upgrades & remediation)	950,000
Active Directory Single Sign On (SSO)	50,000
Service Delivery Automation	400,000
Asset management lifecycle	50,000
Total Estimated Work Plan 2016/17	1,500,000
Less Projected Carry Forward from Previous Years	300,000
Gross Budget Request for 2016/17	1,200,000

2016/2017 Capital Budget Form

Project Name:	Automated Vehicle Location (AVL)
Project Number:	CID01292
Business Unit:	Operations Support
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Corporate Fleet Automatic Vehicle Location (AVL): This project involves the selection, acquisition and implementation of an AVL solution based on the direction identified in the Corporate Fleet AVL Opportunity Assessment.

Corporate Fleet and Equipment, sources and maintains the HRM fleet of over 1300 vehicles, ranging from passenger vehicles and light trucks to heavy equipment and special purpose vehicles (e.g. winter works, line painting, etc.). There is a significant reliance on HRM vehicles by numerous business units to support their operations and service delivery.

There is a clear opportunity to utilize AVL technology to help address existing limitations.

Total Capital Request: (5 Years) \$ 1,200,000

Supports Outcome Area: Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured N/A

How advanced are the budget estimates? Class D, C, B or A Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	200,000	1,000,000	-	-
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	200,000	1,000,000	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Work to begin in 2017/18	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Business Intelligence (BI) Program
Project Number:	CI990001
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

The Business Intelligence Program delivers improved analytic capabilities to HRM business units in support of fact based or data driven decision making. Data from HRM operational systems is cleansed, structured and organized in ways to facilitate and enhance operational, tactical and strategic decision making capabilities across the organization.

Total Capital Request: (5 Years) \$

890,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	390,000	500,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	390,000	500,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:		222,500	-	-	-
Net Annual Operating Costs:		222,500	-	-	-

Detailed Work Plan 2016/17:

Estimate

<i>Work to begin in 2017/18</i>	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Computer Aided Dispatch (CAD)
Project Number:	CIP00763
Business Unit:	Halifax Regional Police
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

Computer Aided Dispatch (CAD):
 In support of the Healthy Communities focus area, investment is necessary to support mission critical technologies leveraged by the Halifax Regional Police (HRP), Halifax Regional Fire and Emergency (HRFE) services, and EMO.

The funding in this account was used for: a) HRFE IT road map, b) Fire CAD Dispatch Analysis, c) Situational Awareness business case, d) Electronic Disclosure & Records Management solution, e) Digital Mugshot System replacement, f) HRP IT Roadmap

OCC funds are required in 16/17 to cover annual software maintenance costs associated with implemented solutions as the first year in 2015/16 was given free of charge by the vendor.

Total Capital Request: (5 Years) \$

Supports Outcome Area:

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

How advanced are the budget estimates? Class D, C, B or A

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	-
Funding Source:	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	11,000	-	-	-	-
Net Annual Operating Costs:	11,000	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Contact Centre Telephony Solution
Project Number:	CI990017
Business Unit:	Operations Support
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

This project is intended to facilitate the replacement of the current telephony technology solution used by 311 with a modern, sustainable, and vendor-supported solution. This project allows the staff to leverage modern technologies for efficiency gains, better/more detailed analytics and reporting capabilities, and significantly improved customer service capabilities. Examples of technology attributes that will be leveraged to attain these improvement goals include skills-based routing, real-time agent analytics, and multi-channel communication capabilities including web-chat, email, and social media interactions. Business benefits include leveraging the use of skills-based routing technology to direct inquiries to the most appropriate agent for resolution, using improved data analytics and reporting for trend analysis and data-based decision making, reducing manual effort to create and analyze reports, increasing staff satisfaction and morale, providing 311 the ability to work from remote locations, and providing a more streamlined and efficient solution for work-force management. Customer improvements will also be demonstrated such as improved wait-times through an increased call queue size, providing multi-channel options (web-chat, email, SMS), and better/faster resolution of inquiries/requests.

Total Capital Request: (5 Years) \$ -

Supports Outcome Area: Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured N/A

How advanced are the budget estimates? Class D, C, B or A Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	120,000	-	-	-	-
Net Annual Operating Costs:	120,000	-	-	-	-

Detailed Work Plan 2016/17:	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Corporate Epayment Solution
Project Number: CI000008
Business Unit: Finance & ICT
Project Manager: Duncan Gillis
Project Type: Service Improvements
Discrete/Bundled: Discrete
Budget Category: Business Tools

Project Summary:

To select and implement a modern corporate ePayment vendor solution that can support all or most of Halifax Regional Municipality's electronic payment processing requirements/needs for customer services made available through Halifax's digital service delivery channels.

Total Capital Request: (5 Years) \$

225,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	125,000	100,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	125,000	100,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Project Initiation	49,000
RFP Process	76,000
	-
	-
	-
Total Estimated Work Plan 2016/17	125,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	125,000

2016/2017 Capital Budget Form

Project Name:	Council Chambers Technology Upgrade
Project Number:	CI990019
Business Unit:	Chief Administrative Office
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

The purpose of this project is to replace outdated key technology in Council Chambers. The current technology is limiting Regional Council's ability to perform its job with ease. The components being replaced are the solutions that manage the speaking, presenting, and voting capabilities for councillors. Existing components have been failing with no parts available for replacement, due to becoming obsolete.

Total Capital Request: (5 Years) \$

290,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	290,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	290,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	20,000	-	-	-	-
Net Annual Operating Costs:	20,000	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Technology (equipment and installation)	575,000
Contingency Amount	55,000
Temporary relocation of Council during renovations	60,000
	-
	-
Total Estimated Work Plan 2016/17	690,000
Less Projected Carry Forward from Previous Years	400,000
Gross Budget Request for 2016/17	290,000

2016/2017 Capital Budget Form

Project Name: CRM Software Replacement
Project Number: C1990020
Business Unit: Operations Support
Project Manager: Duncan Gillis
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Business Tools

Project Summary:

Customer Relationship Management (CRM) technology is required by HRM to effectively manage the replacement of the Hansen CRM module, as well as identify any corporate potential. The funding is required for replacement of the existing solution, including implementation costs and change and change management. A strategy and business case completed in 16/17 will finalize cost projections and solution options.

Total Capital Request: (5 Years) \$

2,000,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	500,000	500,000	500,000	500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	500,000	500,000	500,000	500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Work to begin in 2017/18	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Enterprise Asset Management (EAM)
Project Number:	CID00631
Business Unit:	Operations Support
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

The EAM strategic road map (plan) was completed in April 2012. It defines the vision for an enterprise-wide management program to improve HRM's capabilities in the core municipal function of public asset management. Six projects are projected to be completed over five years.

The primary objective of the EAM Program is to ensure that HRM has sustainable, reliable infrastructure that provides optimal service delivery in support of community health, safety, economic prosperity and quality of life.

Total Capital Request: (5 Years) \$

4,280,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,700,000	1,580,000		-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,700,000	1,580,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	63,000	60,000	-	-	-
Net Annual Operating Costs:	63,000	60,000	-	-	-

Detailed Work Plan 2016/17:

	Estimate
EAM Program Office	310,000
EAM Business Readiness	280,000
computerized work order management system (OMMM) Project Execution	1,640,000
Pavement Management System Project Execution	470,000
	-
Total Estimated Work Plan 2016/17	2,700,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	2,700,000

2016/2017 Capital Budget Form

Project Name:	Enterprise Content Management Program
Project Number:	CI990018
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Enterprise Content Management (ECM) is the term used to describe the technologies, tools, and methods used to capture, manage, store, preserve, and deliver “content” or “information” across an enterprise or organisation to support business processes. At the most basic level, ECM tools and strategies allow the management of an organisation’s unstructured information, wherever that information exists. ICT has already made significant investments in ECM technologies. There are several business unit requirements for using these technologies to better manage their content. This includes the management of Semi-Active Records; HR E-Document Management; Electronic File Management for Planning and Development and Halifax Regional Police; and Digital Asset Management for the Municipal Archives. In order to ensure consistency in how content is managed, and to optimize the technology investments, these projects will be addressed under one umbrella project. The Enterprise Content Management Strategy and Roadmap that is underway will provide insight into the priority and scope of what will be implemented in 2017/18.

Total Capital Request: (5 Years) \$

2,000,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	500,000	500,000	500,000	500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	500,000	500,000	500,000	500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Health and Safety Incident Reporting
Project Number:	CI990010
Business Unit:	Human Resources
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Occupational Development, Health & Safety requires a modernized solution for the reporting of workplace incidents involving employees. Incidents include accidents involving injury to one or more employees as well as near misses. Incidents involving injury vary greatly, from minor injuries requiring only first-aid treatment to those involving missed-time, medical aid costs, and modified work or return-to-work schedules. The tracking of incidents is required for auditing process compliance, as well as for identifying and resolving ongoing safety issues, so that incident occurrence can be reduced. The management of paper incident reports is onerous, impacting the productivity of the HR team and business unit safety officers, making it difficult to maintain knowledge of ongoing cases. Manual tracking also makes it extremely difficult and time consuming to conduct analysis of incidents over time to identify trends and commonalities. Such analysis would enable safety managers to define and assign corrective and preventative actions. An automated reporting solution has the potential to meet the reporting needs of HR and business unit staff, while improving information flow to the Health and Safety Team. Improved information flow and management tools would enable more effective case management, better productivity in auditing, investigation and compliance, and improvements in operating procedures and training.

Total Capital Request: (5 Years) \$

675,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	675,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	675,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	34,000	-	-	-	-
Net Annual Operating Costs:	34,000	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Blueprint	30,000
Solution Realization	265,000
Integration and User Acceptance Testing	165,000
Final Preparation	65,000
Go Live and Support	180,000
Business Intelligence (Reports)	125,000
Project Close	50,000
Total Estimated Work Plan 2016/17	880,000
Less Projected Carry Forward from Previous Years	205,000
Gross Budget Request for 2016/17	675,000

2016/2017 Capital Budget Form

Project Name:	HR Employee Self Serve/Manager Self Serve (ESS/MSS)
Project Number:	CI990032
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

The HR Employee and Manager Self Service project will provide a self-service platform for HRM staff, which will result in many benefits to the organization. With Employee ESS, employees can access information, tools, and capabilities to manage their personal information, initiate leave requests, submit reimbursable expenses, timesheets, benefit selections and career (personal development) related information. Similarly, managers through MSS will be provided with a full view of staff information, and make employee related decisions such as compensation planning, staffing activities and personnel management. Managers will also be able to approve activities such as employee compensation increases, leave requests, expenses, time sheets.

In conjunction with implementing this module, the business processes around the payroll process will be streamlined and improved for increased efficiency and effectiveness.

Total Capital Request: (5 Years) \$ 1,190,000

Supports Outcome Area: Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured N/A

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	670,000	520,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	670,000	520,000	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Procurement of SAP module for Service Request Management	40,000
Requirements, Initiation, and Planning of Service Request Management solution	50,000
Configuration and Implementation of Service Request Management Solution	400,000
Transition and Warranty to Operations of Service Request Management Solution	30,000
Initiation and Planning of ESS/MSS module	150,000
	-
	-
Total Estimated Work Plan 2016/17	670,000
Less Projected Carry Forward from Previous Years	670,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	HRFE Dispatch Project
Project Number:	CI990027
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

This project was identified as an initiative in the HRFE technology Roadmap. Prior to this project beginning, a review is being undertaken to examine existing fire dispatch operations. The findings and agreed-upon recommendations resulting from the review will form the objectives and initiatives of HRFE's Dispatch project. It is expected the project will include a series of specific process and technology initiatives that will greatly improve HRFE's dispatch operations.

The initial projects identified for are:

Planning & Project Management (2015/17), Volunteer Notification (2015/16), Printer Alarm (2015/16), Speaker Improvement (2015/16), FastPath to Data (2015/16), Dispatch Policies & Procedures (2015/17), Governance (2015/16), Service Level Agreements (2016/17), ICT Support (2015/17), CAD to FDM Interface (2015/16), Automatic Alarm Assignments (2015/17), Move Ups (2016/17), Quality Management (2016/17), vMobile (2016/17)

Total Capital Request: (5 Years) \$

235,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	235,000	-	-	-	-
Funding Source:	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	235,000	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	19,000	-	-	-	-
Net Annual Operating Costs:	19,000	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Planning & Project Management	160,000
Volunteer Notification	175,000
Automatic Alarms Configuration	40,000
Speaker Improvement	15,000
Dispatch Policies & Procedures	15,000
Integrated Emergency Services Staffing & Training	125,000
Agency Agreement	15,000
Service Level Agreement	35,000
Move-up Configuration	70,000
Align or Hire ICT Support	15,000
vMobile Notification Implementation	50,000
Change Management	20,000
Total Estimated Work Plan 2016/17	735,000
Less Projected Carry Forward from Previous Years	500,000
Gross Budget Request for 2016/17	235,000

2016/2017 Capital Budget Form

Project Name:	HRFE Fire Department Management (FDM) Review & Enhancements
Project Number:	CI990028
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

This project entails a detailed review of each of the FDM system modules, and subsequent upgrade of the modules resulting from the review. The review will encompass not only the technology components, but also the associated business processes and workflows that accompany each module. It is assumed that the review will provide deeper clarity and direction as to how/where the enhancements shall occur. Initially, the three highest priority modules to be enhanced as part of this initiative are:

- Hydrants: Enhance the current implementation of FDM hydrants and permits modules.
- Inspection Module: Enhance the current implementation of FDM Inspection module .
- Incident and Investigation: Enhance the current implementation of FDM Incident and Investigations modules.

Total Capital Request: (5 Years) \$ 705,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured N/A

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	300,000	405,000	-	-
Funding Source:					
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	300,000	405,000	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Implementation of the enhancements to FDM modules	390,000
- Incident Management	
- Hydrants	
- Permits	
- Inspections	
Total Estimated Work Plan 2016/17	425,000
Less Projected Carry Forward from Previous Years	425,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	HRP GO Data and Information Management
Project Number:	CI990023
Business Unit:	Halifax Regional Police
Project Manager:	Duncan Gillis
Project Type:	Growth
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

The HRP GO data and information management project will define how the organization manages information, while also looking at the processes required to support sound information capture and management. This project will execute a number of related initiatives on the HRP roadmap aiming to increase the efficiency and effectiveness of electronic information and data. These initiatives will be initially focussed around the GO files (General Occurrence) in the RMS (Records Management Solution) system and address process improvements as well as identifying information stewardship responsibility, maintenance requirements, and information sharing/access to information requirements/restrictions(both technical and non-technical).

The initial set of initiatives within this project are (all fiscal years):

- RMS Optimization (FY 16-17)
- Data management framework (FY 15-16)
- Data quality and process reviews (FY 15-16)
- Security review (and implementation of recommendations) (FY 15-16)
- eMVA (data entry tool) (FY 15-16)

Total Capital Request: (5 Years) \$

1,515,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	1,200,000	215,000	-	-
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	1,200,000	215,000	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	15,000	-	-	-	-
Net Annual Operating Costs:	15,000	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

RMS Optimization Initiation and Planning	100,000
Implementation security review recommendations	135,000
Data quality and process review #1	175,000
	-
	-
Total Estimated Work Plan 2016/17	410,000
Less Projected Carry Forward from Previous Years	310,000
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	ICT Business Tools
Project Number:	CI990004
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

This account provides the funding to address the normal list of smaller technology initiatives that are not large enough individually to warrant the rigor of the ICT Portfolio Process, but still require a managed investment in technology or external resources. This account is also used to prepare Opportunity Assessments (business cases) and complete strategic roadmaps in preparation for future project budgets.

In 16/17, ICT will be completing Opportunity Assessments and the following 4 strategies/ road maps:

- Integration Strategy
- Smart City / Digital Strategy & Road map
- GIS Strategy & Roadmap
- TPW Roadmap

Total Capital Request: (5 Years) \$

2,600,000

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	600,000	500,000	500,000	500,000
Funding Source:	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	500,000	600,000	500,000	500,000	500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	18,000	50,000	50,000	50,000	50,000
Net Annual Operating Costs:	18,000	50,000	50,000	50,000	50,000

Detailed Work Plan 2016/17:

Estimate

6-8 Opportunity Assessments	250,000
Strategies and Roadmaps	350,000
-Smart City / Digital Strategy	
-Integration Strategy	
-GIS Strategy	
-TPW Roadmap	
Total Estimated Work Plan 2016/17	600,000
Less Projected Carry Forward from Previous Years	100,000
Gross Budget Request for 2016/17	500,000

2016/2017 Capital Budget Form

Project Name:	ICT Infrastructure Recapitalization
Project Number:	CI000004
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

ICT Infrastructure State of Good Repair: Halifax Regional Municipality ICT is implementing best practices in the lifecycle management of its infrastructure assets to ensure they are maintained in a state of good repair. This project account consolidates the regular renewal and replacement of ICT infrastructure (i.e. servers, networks, backup and security technologies, etc.) that are necessary to deliver all technology services to the entire organization. This project will ensure technology required to run the business of the municipality is highly available and the information contained therein is secure.

Total Capital Request: (5 Years) \$

4,650,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	850,000	950,000	950,000	950,000	950,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	850,000	950,000	950,000	950,000	950,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	50,000	-	-	70,000	-
Net Annual Operating Costs:	50,000	-	-	70,000	-

Detailed Work Plan 2016/17:

Estimate

Security Information and Event Management System	200,000
Datacentre ASD Readiness	250,000
Server Recapitalization	200,000
Threat Risk Assessment Recommendations Implementation	100,000
HRP Network Access and Control	200,000
Review of HRP Environments	-
	-
Total Estimated Work Plan 2016/17	950,000
Less Projected Carry Forward from Previous Years	100,000
Gross Budget Request for 2016/17	850,000

2016/2017 Capital Budget Form

Project Name: IT Service Management System
Project Number: C1990002
Business Unit: Finance & ICT
Project Manager: Duncan Gillis
Project Type: Service Improvements
Discrete/Bundled: Bundled
Budget Category: Business Tools

Project Summary:

ICT is working to adopt industry best practices necessary to enhance the operation, maintenance, and support of HRM's ICT infrastructure and business applications. To be successful, these processes need to be enabled with supporting technology that ensures consistency in execution, optimized service delivery, and enhanced reporting capabilities. The purpose of this project is to continue to leverage the capabilities of ServiceNow and its integrated suite of tools to improve management, support, and maintenance of HRM's ICT Infrastructure & Applications through their lifecycle.

Total Capital Request: (5 Years) \$

265,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	130,000	135,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	130,000	135,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	10,000	100,000	-	-	-
Net Annual Operating Costs:	10,000	100,000	-	-	-

Detailed Work Plan 2016/17:

	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Parking Ticket Management System
Project Number:	CI990031
Business Unit:	Planning & Development
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

This project is to provide funding for the replacement of the technology and functionality that supports enforcement of parking, as well as parking ticket payment, while ensuring data and process integration between HRM and the Province. The objectives include: Acquire and implement a parking ticket management solution; Interface data exchange with Province of Nova Scotia where applicable; Enable Electronic payment; Ensure adequate connectivity and integration with other enterprise systems such as SAP, Ensure Payment Card Industry (PCI) Compliance; Produce standardized and customizable reports. Optionally, dependant on the result of the Opportunity Assessment (to be completed in Fall 2015), the scope may also include additional projects identified on the Parking Roadmap such as: Replacement of Parking Enforcement handheld devices; and enabling Parking Permit tracking.

Total Capital Request: (5 Years) \$ 1,415,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured N/A

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	515,000	900,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	515,000	900,000	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	30,000	-	-	-	-
Net Annual Operating Costs:	30,000	-	-	-	-

Detailed Work Plan 2016/17:	Estimate
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Permitting, Licensing, and Compliance Replacement Solution
Project Number:	CI990013
Business Unit:	Planning & Development
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Permitting, Licensing, and Compliance Technology Solution Replacement: This project intends to replace the current technology the municipality uses for application and issuance of Permits and Licenses as well as compliance activity tracking. The current technology (in Hansen) is unsupported and at end-of-life. It does not have the capability to support high-value on-line services to citizens and businesses i.e., two-way communication, request/acquisition of Permits and Licenses, and ePayments. The intended benefits are to provide improved services and service experiences to citizens and business and increased internal staff efficiencies, through streamlined business processes and improved capability to complete "in the field" tasks (i.e. inspections) in a more a timely manner.

Total Capital Request: (5 Years) \$

3,225,000

Supports Outcome Area:

Economic Development (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	400,000	1,210,000	1,615,000	-	-
Funding Source:	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	400,000	1,210,000	1,615,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Solution RFP	260,000
Implementation Planning	65,000
Contract Negotiations/Approval to proceed	250,000
Software Purchase	335,000
Configuration	35,000
Backfill	250,000
Total Estimated Work Plan 2016/17	1,195,000
Less Projected Carry Forward from Previous Years	795,000
Gross Budget Request for 2016/17	400,000

2016/2017 Capital Budget Form

Project Name:	Personnel Accountability Management Review
Project Number:	CI000012
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Duncan Gillis
Project Type:	Growth
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Review of Fire Personnel accountability management focused on assessment of opportunities to leverage technical solution(s) to support process. This includes Self Contained Breathing Apparatus (SCBA) accountability management, tools to improve personnel accountability management during a fire incident, and tools to help monitor self contained breathing apparatus for HRFE (and other) fire fighters engaged in a Fire response.

Total Capital Request: (5 Years) \$

100,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:			-	-	-
Net Annual Operating Costs:			-	-	-

Detailed Work Plan 2016/17:

	Estimate
Requirements Development	10,000
Process Design	25,000
Solution Component Implementation	55,000
Training	10,000
	-
Total Estimated Work Plan 2016/17	100,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	Public Wi-Fi
Project Number:	CI000013
Business Unit:	Finance & ICT
Project Manager:	Jim Kirk
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

In early 2014, the Capital Realm Improvement Campaign and the "Downtown, I'm in" public consultation both identified the implementation of Public Wi-Fi services in the urban core as key to revitalization; making the urban core more attractive to residents, businesses and developers and offering an enhanced experience to visitors and students. The Mayor and CAO both identified this initiative as the "price of admission" to be viewed as a modern, progressive city on a global stage.

Total Capital Request: (5 Years) \$

2,976,844

Supports Outcome Area:

Economic Development (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	945,000	525,000	525,000	525,000	525,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	945,000	525,000	525,000	525,000	525,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	595,000	180,000	-	-	-
Net Annual Operating Costs:	595,000	180,000	-	-	-

Detailed Work Plan 2016/17:

Estimate

Public Wi-Fi services will be implemented in the following locations during the 16-17 fiscal year:	945,000
Halifax and Dartmouth Waterfronts	-
Downtown Halifax	-
Downtown Dartmouth	-
	-
This assumes that IAI Start-up project (contract amendment) to the fibre network is completed	-
	-
	-
Total Estimated Work Plan 2016/17	945,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	945,000

2016/2017 Capital Budget Form

Project Name:	Recreation Services Software
Project Number:	CI000005
Business Unit:	Parks & Recreation
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

This project includes selection, solution design, configuration and implementation of a software solution to meet the needs of all HRM-owned recreation services facilities, including those operated by HRM, as well as Multi-District facilities (MDFs), and others operated by community boards. The new solution will include program registration, membership management, facility scheduling, equipment rentals, and online payment processing. The facility scheduling and online payment capability will enable Council's directive to provide centralized arena scheduling. The new solution will replace a number of end of life solutions, including "Class", which is currently used within HRM-operated facilities and Sackville Sports Stadium, and will no longer be supported by the vendor by November 2017. This project's scope includes the selection and implementation of the solution. Implementation of the facilities will be phased, and will take into consideration the aging solutions in the MDFs that are also at risk.

Total Capital Request: (5 Years) \$

5,270,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	900,000	1,645,000	1,205,000	1,520,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	900,000	1,645,000	1,205,000	1,520,000	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	100,000	600,000	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Project Initiation and planning - 2 months	120,000
Requirements/Validation with MDFs - 3 months	220,000
Develop/issue RFP - 4 months	215,000
Contract negotiations - 2 months	110,000
Solution design - 1 month (total 4 months)	130,000
Backfill	105,000
	-
Total Estimated Work Plan 2016/17	900,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	900,000

2016/2017 Capital Budget Form

Project Name:	Revenue Management Solution
Project Number:	CI990009
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Hansen Revenue Management Module Replacement: This project involves the replacement of the existing revenue management module of the Hansen solution, which is end-of-life and at risk of failure. This initiative will review the current solution and business processes and procedures, define future-state requirements, and implement an alternative technical solution. The Opportunity Assessment (OA) is yet to be conducted and it is anticipated that the results from the OA will include a recommended replacement solution.

Total Capital Request: (5 Years) \$

4,690,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	250,000	1,940,000	1,350,000	1,150,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	250,000	1,940,000	1,350,000	1,150,000	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Planning and Initiation	250,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	250,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	250,000

2016/2017 Capital Budget Form

Project Name:	Rostering
Project Number:	CI000015
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Duncan Gillis
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Business Tools

Project Summary:

Halifax Regional Fire and Emergency (HRFE) Operational employees are the Firefighters, Driver Engineers, Lieutenants, Captains, District Captains, and Division Commanders who work set shift rotations within HRFE, and who have complex staffing needs and will directly benefit from the implementation of a modernized rostering technology solution to support their business processes. This project is to acquire, implement, and deploy a modern enterprise rostering solution for HRFE operational employees.

Total Capital Request: (5 Years) \$

1,320,000

Supports Outcome Area:

Service Excellence (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	150,000	1,000,000	170,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	150,000	1,000,000	170,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Detailed Requirements gathering & Initiation of the RFP	150,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	150,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	150,000

2016/2017 Capital Budget Form

Project Name: Source Management
Project Number: CI000016
Business Unit: Halifax Regional Police
Project Manager: Duncan Gillis
Project Type: Growth
Discrete/Bundled: Discrete
Budget Category: Business Tools

Project Summary:

The objective of the project is to define detailed HRP requirements for source management, source data management, and access to source data and implement the solution based on the OA done in FY 15/16.

Total Capital Request: (5 Years) \$

515,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	415,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	415,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	20,000	-	-
Net Annual Operating Costs:	-	-	20,000	-	-

Detailed Work Plan 2016/17:

	Estimate
Project Management, Change Management, Training and oversight	15,000
Planning & Requirements	85,000
	-
	-
	-
Total Estimated Work Plan 2016/17	100,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name: Trunk Mobile Radios - TMR
Project Number: CID01362
Business Unit: Finance & ICT
Project Manager: Duncan Gillis
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Business Tools

Project Summary:

The Provincial TMR serves federal, provincial, and municipal radio users throughout the Province of Nova Scotia. HRM users include Halifax Regional Police (HRP), Fire & Emergency (HRFE) Services as well as Transportation & Public Works (TPW), Transit, and Halifax Water. The current trunk infrastructure supporting radio communications requires replacement prior to May 2015. There is also a need to purchase new radios. The intended Benefit is to provide mission critical technology to support a continuation of existing emergency services to citizens.

Total Capital Request: (5 Years) \$

-

Supports Outcome Area:

Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	400,000	-	-	-	-
Net Annual Operating Costs:	400,000	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Web Transformation Program
Project Number:	CI000001
Business Unit:	Finance & ICT
Project Manager:	Duncan Gillis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Business Tools

Project Summary:

Halifax Regional Municipality intends to further evolve Halifax.ca to become a modern, advanced and trusted website for its citizens and businesses. The Web Transformation Strategy and associated Roadmap lays out a series of project initiatives that are the foundation for this evolution.

The specific objectives of these project initiatives are:

- To meet current content, mobility and accessibility standards for Canadian municipality websites;
- To position the website to meet future needs, including citizen and business self-service; and
- To develop a web governance structure over time that integrates with a more encompassing future service strategy.

Total Capital Request: (5 Years) \$ 800,000

Supports Outcome Area: Governance and Communication (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured N/A

How advanced are the budget estimates? Class D, C, B or A Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	800,000	-	-	-	-
Funding Source:	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	800,000	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	330,000	200,000	-	-	-
Net Annual Operating Costs:	330,000	200,000	-	-	-

Detailed Work Plan 2016/17:	Estimate
Plan and Establish Program Office & Governance and Business Unit Resourcing	130,000
Program Office Administrator	75,000
Evaluate Partnership Opportunities	-
Select & Implement Enabling Technology	135,000
Content Review & Inventory	-
Taxonomy, Tagging, SEO Approach	30,000
Review Current Services, Identify Potential Online Services and Prioritize	10,000
Content Re-Writing & Development & Training	155,000
Website Solution Implementation, Hosting and Managed Services	1,250,000
Evolve Halifax Multi-Channel Service Strategy	-
Contingency	180,000
Total Estimated Work Plan 2016/17	1,965,000
Less Projected Carry Forward from Previous Years	1,165,000
Gross Budget Request for 2016/17	800,000

**5-Year Gross Capital Budget
Equipment and Fleet**

	Budget Category	Project #	2016	2017	2018	2019	2020
Page	Equipment & Fleet						
C1	Fire Apparatus Replacement	CVJ01088	-	3,665,000	2,500,000	3,000,000	3,000,000
C2	Fire Services Equipment Replacement	CE010001	1,050,000	850,000	850,000	850,000	850,000
C3	Fire Services Water Supply	CE010002	-	150,000	150,000	150,000	150,000
C4	Fleet Vehicle Replacement	CVD01087	1,700,000	1,700,000	1,500,000	1,500,000	1,200,000
C5	Ice Resurfacers Replacement	CVU01207	-	125,000	125,000	125,000	125,000
C6	Opticom Signalization System	CEJ01220	80,000	80,000	80,000	80,000	80,000
C7	Police Fleet	CVK01090	1,200,000	1,200,000	1,200,000	1,300,000	1,100,000
C8	Police Services Replacement Equipment	CE020001	460,000	415,000	530,000	420,000	420,000
C9	Police Vehicle Equipment	CVK01207	200,000	200,000	200,000	200,000	200,000
	Equipment & Fleet Total		4,690,000	8,385,000	7,135,000	7,625,000	7,125,000

2016/2017 Capital Budget Form

Project Name:	Fire Apparatus Replacement
Project Number:	CVJ01088
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Rajiv Massey
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Equipment & Fleet

Project Summary:

The replacement of the Fire Services Apparatus Fleet is necessary to support operations. The apparatus fleet is comprised of aeriels, pumpers, tankers, rescues, de-con units, etc. totalling 188 units. These units are used to support all areas of the Fire Service for both rural and urban operations. Regular replacement of these units is necessary to support continued operations. Units that are being replaced are first stripped of any salvageable equipment that HRM may be able to reuse and then, depending on condition, will be sold at auction and the revenue assigned to the appropriate reserve(s).

Total Capital Request: (5 Years) \$

12,165,000

Supports Outcome Area:

Health & Safety (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	3,665,000	2,500,000	3,000,000	3,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	3,665,000	2,500,000	3,000,000	3,000,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Purchase one Command Unit	900,000
Replacement of three Fire Apparatus (Quints)	3,000,000
	-
	-
	-
Total Estimated Work Plan 2016/17	3,900,000
Less Projected Carry Forward from Previous Years	3,900,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Fire Services Equipment Replacement
Project Number:	CE010001
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	David Clement
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Equipment & Fleet

Project Summary:

This project is dedicated to the replacement of fire services equipment that has reached the end of its useful life. Some examples of the equipment purchased under this account include hoses and related connections, personal protective equipment (PPE) and extrication equipment such as the jaws of life. These equipment purchases were previously in the operating budget, but because they meet the thresholds for tangible capital asset policy, they have been moved under the capital budget.

Total Capital Request: (5 Years) \$

4,450,000

Supports Outcome Area:

Health & Safety (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,050,000	850,000	850,000	850,000	850,000
Funding Source:					
Reserve Q206 - Fire Vehicles and Equipment	200,000	-	-	-	-
	-	-	-	-	-
Total Funding:	200,000	-	-	-	-
Net budget:	850,000	850,000	850,000	850,000	850,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Equipment purchases will continue to be prioritized based on need and as older equipment reaches the end of its useful life.	1,050,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	1,050,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	1,050,000

2016/2017 Capital Budget Form

Project Name: Fire Services Water Supply
Project Number: CE010002
Business Unit: Halifax Regional Fire & Emergency
Project Manager: Gord West
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Equipment & Fleet

Project Summary:

This project is the continuation of a long-term program to address water supply issues in the areas of HRM that do not have hydrants. Halifax Regional Fire & Emergency has a responsibility in areas lacking municipal hydrants to quickly establish a water shuttle, and maintain the shuttle for long periods of time. A well-planned water delivery system must be in place throughout HRM to efficiently provide fire fighting water supplies to aid suppression forces in rural areas.

Total Capital Request: (5 Years) \$

600,000

Supports Outcome Area:

Health & Safety (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	150,000	150,000	150,000	150,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	150,000	150,000	150,000	150,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Inspection, testing and required maintenance on all (145) dry hydrants and surrounding driveways	275,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	275,000
Less Projected Carry Forward from Previous Years	275,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Fleet Vehicle Replacement
Project Number:	CVD01087
Business Unit:	Transportation & Public Works
Project Manager:	Rajiv Massey
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Equipment & Fleet

Project Summary:

Vehicles used by Transportation & Public Works, Finance, Community Recreation Services and Planning & Infrastructure are held in this portion of the Corporate Fleet Inventory. There are approximately 441 units in this area, with approximately 15 types of vehicles ranging from cars to large snow removal vehicles like loaders and tandem trucks. The scheduled useful life of these vehicles runs from 7 to 20 years. Vehicles that have reached the end of their scheduled life are reviewed with the client groups and the vehicles that are either the oldest or that are in most need of replacement are removed from service and new units are purchased. Each year Corporate Fleet will issue over forty (40) tenders/RFPs in order to acquire replacement vehicles.

Total Capital Request: (5 Years) \$

7,600,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,700,000	1,700,000	1,500,000	1,500,000	1,200,000
Funding Source:					
Reserve Q204 - General Fleet	1,700,000	-	-	-	-
	-	-	-	-	-
Total Funding:	1,700,000	-	-	-	-
Net budget:	-	1,700,000	1,500,000	1,500,000	1,200,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

33 Light Passenger Cars	-
12 Light Duty Pick up Trucks	-
2 Heavy Snow Trucks	-
1 Light Duty Aerial Truck	-
3 Sports Filed Grooming towed equipment	-
1 Light Duty Van	-
2 Medium Duty Pick up trucks	-
2 Medium duty Trailers	-
1 Street Sweeper	-
	1,700,000
Total Estimated Work Plan 2016/17	1,700,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	1,700,000

2016/2017 Capital Budget Form

Project Name: Ice Resurfacers Replacement
Project Number: CVU01207
Business Unit: Parks & Recreation
Project Manager: Rajiv Massey
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Equipment & Fleet

Project Summary:

HRM either operates directly or supports the operations of many of the ice surfaces in HRM. This account is for the replacement of one ice resurfacers per year. Corporate Fleet and Parks and Recreation Services staff meet annually to determine which unit is in need of replacement. This will assure that the operation with the greatest need will receive the required replacement unit. HRM currently owns 10 ice resurfacers; this account allows for a 10 year life with one unit being replaced each year.

Total Capital Request: (5 Years) \$

500,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	125,000	125,000	125,000	125,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	125,000	125,000	125,000	125,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Replacement of one ice-resurfacers at the Dartmouth Sportsplex.	120,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	120,000
Less Projected Carry Forward from Previous Years	120,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Opticom Signalization System
Project Number:	CEJ01220
Business Unit:	Halifax Regional Fire & Emergency
Project Manager:	Stephen Nearing
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Equipment & Fleet

Project Summary:

The next generation traffic pre-emption project is a multi-year initiative of Traffic and Right of Way Services. HRM is migrating infrared Opticom equipped fire apparatus and Opticom intersections to a new GPS-based traffic pre-emption system. To ensure that Fire and Emergency vehicles responding to emergencies can proceed safely through intersections, the Opticom Signalization System clears traffic for responding emergency vehicles. Infrared emitters on the vehicles send out signals to traffic light sensors that cause the lights to change. The signalization system will help to ensure the safety of firefighters and will assist with improved response times.

Total Capital Request: (5 Years) \$ 400,000

Supports Outcome Area: Health & Safety (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	80,000	80,000	80,000	80,000	80,000
Funding Source:					
Reserve Q206 - Fire Vehicles and Equipment	80,000	80,000	80,000	80,000	80,000
	-	-	-	-	-
Total Funding:	80,000	80,000	80,000	80,000	80,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Completion of approximately 12 signalized intersections on the Halifax peninsula.	80,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	80,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	80,000

2016/2017 Capital Budget Form

Project Name:	Police Fleet
Project Number:	CVK01090
Business Unit:	Halifax Regional Police
Project Manager:	Rajiv Massey
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Equipment & Fleet

Project Summary:

HRM Police Services has a Fleet of 275 vehicles to provide services to the public. The current fleet is comprised of vehicles used for patrol, investigation, SWAT surveillance and a variety of other services. This project is for the annual replacement of those vehicles that have reached the end of their useful life. The majority of the fleet are patrol vehicles that require heavy use and typically only last two to three years. Units that are being replaced are first stripped of any salvageable equipment that HRM may be able to reuse and then, depending on condition, will be sold at auction and the revenue assigned to the appropriate reserve(s).

Total Capital Request: (5 Years) \$ 6,000,000

Supports Outcome Area: Health & Safety (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Design

How advanced are the budget estimates? Class D, C, B or A Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,200,000	1,200,000	1,200,000	1,300,000	1,100,000
Funding Source:					
Reserve Q205 - Police Vehicles and Equipment	375,000	-	-	-	-
	-	-	-	-	-
Total Funding:	375,000	-	-	-	-
Net budget:	825,000	1,200,000	1,200,000	1,300,000	1,100,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Replacement of approximately forty (40) police vehicles both marked and unmarked.	1,200,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	1,200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	1,200,000

2016/2017 Capital Budget Form

Project Name:	Police Services Replacement Equipment
Project Number:	CE020001
Business Unit:	Halifax Regional Police
Project Manager:	Craig Horton
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Equipment & Fleet

Project Summary:

This project is required for the ongoing replacement of police services equipment that has reached the end of its useful life. This equipment includes several forms of personal protective equipment (PPE) including ballistic vests, helmets, shields, etc. all worn or used by officers in the line of duty. There are several forms of firearms, and firearm accessories used by officers to carry out their duties. In addition, specific investigative police equipment and training equipment that will be funded through this project. These pieces of equipment were previously purchased through the operating budget but because they meet the thresholds for the tangible capital asset policy, they have been moved under the capital budget.

Total Capital Request: (5 Years) \$

2,245,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Permits and Approvals Secured

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	460,000	415,000	530,000	420,000	420,000
Funding Source:					
Reserve Q205 - Police Vehicles and Equipme	300,000	-	-	-	-
Other	160,000	-	-	-	-
Total Funding:	460,000	-	-	-	-
Net budget:	-	415,000	530,000	420,000	420,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Equipment purchases will be prioritized based on need and as older equipment reaches the end of its useful life.	460,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	460,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	460,000

2016/2017 Capital Budget Form

Project Name: Police Vehicle Equipment
Project Number: CVK01207
Business Unit: Halifax Regional Police
Project Manager: Craig Horton
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Equipment & Fleet

Project Summary:

This project is required for the ongoing replacement of police services vehicle equipment. Equipment purchases will be prioritized based on need and as older equipment reaches the end of its useful life. These pieces of equipment were previously purchased through the operating budget but because they meet the thresholds for the tangible capital asset policy, they have been moved under the capital budget. This equipment is associated with specific vehicles and typically includes items such as onboard computers and video equipment.

Total Capital Request: (5 Years) \$

1,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	200,000	200,000	200,000	200,000	200,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	200,000	200,000	200,000	200,000	200,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Equipment purchases will be prioritized based on need and as older equipment reaches the end of its useful life.	200,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	200,000

**5-Year Gross Capital Budget
Halifax Transit**

	Budget Category	Project #	2016	2017	2018	2019	2020
Page	Halifax Transit						
D1	Access-A-Bus Expansion	CVD00429	-	240,000	240,000	240,000	240,000
D2	Access-A-Bus Replacement	CVD00430	730,000	1,365,000	210,000	630,000	630,000
D3	Biennial Ferry Refit	CVD00436	450,000	600,000	600,000	600,000	600,000
D4	Bus Maintenance Equipment Replacement	CM000005	600,000	-	-	-	-
D5	Bus Stop Accessibility	CBT00432	125,000	125,000	125,000	125,000	125,000
D6	Conventional Bus Expansion	CV020003	-	4,280,000	3,815,000	3,340,000	3,340,000
D7	Conventional Bus Replacement	CV020004	12,545,000	2,475,000	1,010,000	16,740,000	1,000,000
D8	Ferry Replacement	CM000001	-	-	1,200,000	4,800,000	-
D9	Ferry Terminal Pontoon Rehabilitation	CBX01171	735,000	250,000	250,000	250,000	250,000
D10	MetroX Bus Replacement	CM020002	4,725,000	-	-	-	-
D11	MetroX Expansion	CM000006	-	-	-	4,400,000	-
D12	Mid-Life Rebuild	CVD00431	185,000	185,000	185,000	185,000	185,000
D13	Mumford Terminal Replacement	CB000014	-	-	-	500,000	10,000,000
D14	New Transit Technology	CM020005	5,700,000	16,115,000	-	-	-
D15	New/Expanded Transit Centre	CB000017	-	10,235,000	20,265,000	-	-
D16	Penhorn Terminal Upgrade	CM000007	-	-	-	-	1,500,000
D17	Replacement Transit Technology	CMU01203	-	-	210,000	210,000	210,000
D18	Scotia Square Facility	CM000008	150,000	-	-	-	-
D19	Shelters Replacement/Expansion	CBT00437	110,000	110,000	110,000	110,000	110,000
D20	Transit Priority Measures	CM000009	200,000	-	-	-	-
D21	Transit Security	CMU00982	-	300,000	300,000	300,000	300,000
D22	Transit Support Vehicle Replacement	CV000004	140,000	145,000	40,000	130,000	130,000
D23	Transit Technical System Expansion	CIU00875	-	-	140,000	140,000	140,000
D24	Wrights Cove Terminal	CR000007	-	650,000	1,350,000	-	-
	Halifax Transit Total		26,395,000	37,075,000	30,050,000	32,700,000	18,760,000

2016/2017 Capital Budget Form

Project Name: Access-A-Bus Expansion
Project Number: CVD00429
Business Unit: Halifax Transit
Project Manager: Glen Bannon
Project Type: Service Improvements
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

Project Summary:

Halifax Transit is the primary accessible transportation provider within the Halifax Regional Municipality. Demographic trends have and continue to indicate a steadily increasing demand for this service, thereby increasing pressure on limited resources in the paratransit fleet. In order to address demand and meet the needs of increasing ridership, a continuous expansion of the number of fleet vehicles is required.

Total Capital Request: (5 Years) \$

960,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	240,000	240,000	240,000	240,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	240,000	240,000	240,000	240,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	35,600	35,600	35,600	35,600
Annual Operating Costs:	-	273,700	273,700	273,700	273,700
Net Annual Operating Costs:	-	238,100	238,100	238,100	238,100

Detailed Work Plan 2016/17:

Estimate

N/A - no purchase in 2016/17	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Access-A-Bus Replacement
Project Number:	CVD00430
Business Unit:	Halifax Transit
Project Manager:	Wendy Lines
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

To recapitalize the para-transit fleet. Replacement of older Access-A-Bus vehicles to ensure safe and reliable para-transit service delivery and develop a more extensive and environmentally friendly public transportation system. The buses are replaced on an as-needed basis, based on their point in the vehicle lifecycle. The average useful life of the bus is 5-7 years.

Total Capital Request: (5 years) \$

3,565,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	730,000	1,365,000	210,000	630,000	630,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	730,000	1,365,000	210,000	630,000	630,000

Ongoing Operating Costs

	2015/16	2016/17	2017/18	2018/19	2019/20
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Procure seven replacement vehicles	730,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	730,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	730,000

2016/2017 Capital Budget Form

Project Name: Biennial Ferry Refit
Project Number: CVD00436
Business Unit: Halifax Transit
Project Manager: Glen Bannon
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

Project Summary:

This project supports a regular program of preventative maintenance and permits inspections and work that can only be conducted while a vessel is in dry dock. Typical work includes steel work, propeller maintenance, hull and superstructure paint work, and engine repair or replacement. One of Halifax Transit's four ferries is scheduled for this work each calendar year on a rotating basis.

Total Capital Request: (5 Years) \$

2,850,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	450,000	600,000	600,000	600,000	600,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	450,000	600,000	600,000	600,000	600,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Voith Control System Upgrade - Woodside I	330,000
Refit - Woodside I	795,000
Engine and Generator Rebuild - Halifax III	175,000
	-
	-
Total Estimated Work Plan 2016/17	1,300,000
Less Projected Carry Forward from Previous Years	850,000
Gross Budget Request for 2016/17	450,000

2016/2017 Capital Budget Form

Project Name:	Bus Maintenance Equipment Replacement
Project Number:	CM000005
Business Unit:	Halifax Transit
Project Manager:	Wendy Lines
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

This account is for the replacement of vehicle hoists that are at end of life in the RLTC and BTC garages. Vehicle hoists are required to lift transit vehicles so the under carriage is exposed and inspections and repairs can be undertaken. Many of the hoists are at the end of their useful lives and require replacement. An inadequate number of hoists means that an optimum number of repairs cannot be undertaken on a daily basis, this can negatively impact service delivery.

Total Capital Request: (5 Years) \$

600,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	600,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	600,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Purchase of two (2) hoists.	600,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	600,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	600,000

2016/2017 Capital Budget Form

Project Name: Bus Stop Accessibility
Project Number: CBT00432
Business Unit: Halifax Transit
Project Manager: Amy Power
Project Type: Service Improvements
Discrete/Bundled: Bundled
Budget Category: Halifax Transit

Project Summary:

This project will enhance and improve the accessibility of transit stops to provide safe entry to the conventional transit system through the installation of the new concrete landing pads, repairing and upgrading existing pads, and replacing pads that are not repairable, as well as other physical changes required to improve accessibility.

Total Capital Request: (5 Years) \$

625,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	125,000	125,000	125,000	125,000	125,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	125,000	125,000	125,000	125,000	125,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

New Landing pads - new pads for new service, new pads to support conversion to accessible route	40,000
Repair/upgrade landing pads - any repair, relocating of a stop on existing ALF routes	72,500
Shelter pad replacement - to replace existing shelter pads in order to maintain the accessibility of the shelter at the bus stop.	12,500
	-
	-
Total Estimated Work Plan 2016/17	125,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	125,000

2016/2017 Capital Budget Form

Project Name:	Conventional Bus Expansion
Project Number:	CV020003
Business Unit:	Halifax Transit
Project Manager:	Wendy Lines
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

This project is for the purchase of new buses for the expansion and improvement of conventional transit service. Service expansion could be service to new areas or increased frequency on existing routes. In 2016/17, there will be no buses purchased for the expansion of service.

Total Capital Request: (5 Years) \$

14,775,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class D

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	4,280,000	3,815,000	3,340,000	3,340,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	4,280,000	3,815,000	3,340,000	3,340,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	244,000	180,000	184,000	171,000
Annual Operating Costs:	-	1,882,000	1,388,000	1,414,000	1,317,000
Net Annual Operating Costs:	-	1,638,000	1,208,000	1,230,000	1,146,000

Detailed Work Plan 2016/17:

Estimate

N/A - no purchase in 2016/17	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Conventional Bus Replacement
Project Number:	CV020004
Business Unit:	Halifax Transit
Project Manager:	Wendy Lines
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

Recapitalization of the Halifax Transit Fleet includes the acquisition of transit buses to replace an aging fleet. Buses are identified for replacement to best meet the ongoing demands of providing safe, reliable transit service that is responsive to the ever changing demographics of HRM.

In 2016/17 twenty-three (23) 12.2m buses would be purchased to replace older buses that are due for retirement. Halifax Transit's goal is to retire buses at the age of 15years. The buses being replaced by this order exceed 18 years. The replacement of these older buses has many benefits. Newer buses are more environmentally friendly, more reliable, provide accessible low-floor service and are less costly to maintain than older buses.

Total Capital Request: (5 Years) \$

33,770,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	12,545,000	2,475,000	1,010,000	16,740,000	1,000,000
Funding Source:					
Reserve Q143 - Bus Replacement Reserve	5,000,000	-	-	-	-
	-	-	-	-	-
Total Funding:	5,000,000	-	-	-	-
Net budget:	7,545,000	2,475,000	1,010,000	16,740,000	1,000,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Purchase of twenty-three (23) 12.2M transit buses.	12,610,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	12,610,000
Less Projected Carry Forward from Previous Years	65,000
Gross Budget Request for 2016/17	12,545,000

2016/2017 Capital Budget Form

Project Name: Ferry Replacement
Project Number: CM000001
Business Unit: Halifax Transit
Project Manager: Glen Bannon
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

Project Summary:

Vessels in the current fleet of ferries are aging (the Halifax III and Dartmouth III entered service in 1979, and the Woodside I entered service in 1986). In order to support sustainable ferry operations into the future, the Ferry Replacement project represents the first major effort for capital replacement in the Ferry Division in recent years. Design, construction, fit out and certification of the Replacement Ferries will be funded under this project.

Total Capital Request: (5 Years) \$

6,000,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class D

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	1,200,000	4,800,000	-
Funding Source:					
Reserve Q129 - Ferry Replacement	-	-	1,200,000	4,800,000	-
	-	-	-	-	-
Total Funding:	-	-	1,200,000	4,800,000	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Ferry Terminal Pontoon Rehabilitation
Project Number:	CBX01171
Business Unit:	Halifax Transit
Project Manager:	Glen Bannon
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

The pontoons and adjoining ramps at Halifax Transit's ferry terminals were constructed in 1978 (Alderney and Halifax) and 1986 (Woodside). The planned and corrective maintenance activities implemented in support of these structures over the years had been inadequate, and a significant effort has been put forth over the previous 3 years to correct serious deficiencies and protect these structures to preserve their economic lifespan.

The Woodside Pontoon and associated cathodic protection system were completely replaced in late 2014. Although much work has been completed at Alderney and Halifax, a significant amount remains to be completed in this phased program of corrective maintenance. Further, planned maintenance of the pontoons at all three terminals must continue.

Corrective maintenance activities include steelwork, electrical work, repair and replacement of interior and exterior coatings, repairs to the cathodic protection system, and safety improvements. At Alderney and Halifax, the deckhouses and associated overhead doors are in need of redesign and replacement.

Total Capital Request: (5 Years) \$

1,735,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class A

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	735,000	250,000	250,000	250,000	250,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	735,000	250,000	250,000	250,000	250,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Overhead Door Replacement - Alderney and Halifax Ferry Terminals	200,000
Cathodic Protection System - Maintenance and Upgrade - Alderney and Halifax Terminals	70,000
Ramp Window Repair and Replacement - Alderney and Halifax Terminals	40,000
Recoat Interior Surfaces - Voids - Alderney and Halifax Terminals	150,000
Replace Pontoon Deckhouses	300,000
	-
	-
Total Estimated Work Plan 2016/17	760,000
Less Projected Carry Forward from Previous Years	25,000
Gross Budget Request for 2016/17	735,000

2016/2017 Capital Budget Form

Project Name:	MetroX Bus Replacement
Project Number:	CM020002
Business Unit:	Halifax Transit
Project Manager:	Wendy Lines
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

The Metro X vehicles are currently used to provide business rapid transit (BRT) service to the Halifax region; this service has infrequent stops, moving passengers from their communities into the core during peak hours. Currently (10) 2008 GMCs are employed for this purpose. The GMCs are a medium duty vehicle that is more akin to a truck than a conventional bus and requires replacement every 8 years. The buses have been fraught with maintenance issues; are noisy; offer less seating and cannot be redeployed into conventional routing when required. These vehicles will therefore be replaced by (9) 40' conventional buses in 2016/17; this procurement will provide more flexibility for use during off peak hours, provide additional seating and provide a longer life cycle of 14 yrs. rather than 8 yrs. The 2012 Freightliner (6) Metro X vehicles providing airport service will be replaced with an in-kind vehicle in 2020/21.

Total Capital Request: (5 Years) \$

4,725,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	4,725,000	-	-	-	-
Funding Source:					
Provincial Cost Sharing	2,000,000	-	-	-	-
	-	-	-	-	-
Total Funding:	2,000,000	-	-	-	-
Net budget:	2,725,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Purchase nine (9) 40' buses.	4,725,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	4,725,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	4,725,000

2016/2017 Capital Budget Form

Project Name: MetroX Expansion
Project Number: CM000006
Business Unit: Halifax Transit
Project Manager: Patricia Hughes
Project Type: Service Improvements
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

Project Summary:

This project is to introduction MetroX (rural commuter express) service in Middle Sackville, originating from a Park & Ride lot on Margeson Drive, at the Highway 101 interchange. Funding is required to design and construct the Park & Ride and purchase the required vehicles.

Total Capital Request: (5 Years) \$

4,400,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	4,400,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	4,400,000	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

N/A - no purchase till 2019/20	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Mid-Life Rebuild
Project Number: CVD00431
Business Unit: Halifax Transit
Project Manager: Wendy Lines
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

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 program will extend the useful life of the buses while reducing repair/maintenance costs for the remaining years of service. It also helps mitigate the risk of prematurely losing a vehicle from service. This account will fund the rebuild of 10 vehicles per annum.

Total Capital Request: (5 Years) \$

925,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	185,000	185,000	185,000	185,000	185,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	185,000	185,000	185,000	185,000	185,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Rebuild approximately 10 conventional buses.	185,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	185,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	185,000

2016/2017 Capital Budget Form

Project Name:	Mumford Terminal Replacement
Project Number:	CB000014
Business Unit:	Halifax Transit
Project Manager:	Patricia Hughes
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

The existing Mumford Terminal is both over capacity and aging and needs to be upgraded or replaced. In 2019/20, funding will be used for studies and design work. The terminal would be similar to the location on Laceood Drive in size and features. Construction will occur in 2020/21.

Total Capital Request: (5 Years) \$ 10,500,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	500,000	10,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	500,000	10,000,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	New Transit Technology
Project Number:	CM020005
Business Unit:	Halifax Transit
Project Manager:	Dave Reage
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

This project budget will be used to fund the various technological projects being identified in the Halifax Transit technological road map. These projects will include a transit specific AVL solution, including a new base AVL system, that will provide accurate data to assist in business decisions, multiple public interfaces and stop annunciation. Once these base solutions are delivered Halifax Transit will start further projects including fare management systems, automated passenger counters, and AAB passenger upgrades that include online registration, trip booking and confirmations. Halifax Transit will be able to provide further updates on specific projects as the road map is completed. The life cycles of the solutions will be varied depending on the technology.

Total Capital Request: (5 Years) \$

21,815,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	5,700,000	16,115,000	-	-	-
Funding Source:					
Reserve Q144 - Metro Transit Technology Reserve	1,885,000	-	-	-	-
	-	-	-	-	-
Total Funding:	1,885,000	-	-	-	-
Net budget:	3,815,000	16,115,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Project components include:	14,630,000
Completion of AVL Project	-
Software upgrade and additional modules for Scheduling and operations	-
Fare management project	-
Paratransit projects	-
Paratransit Telephone System	-
PMO Operation	-
Driver Simulator Project Completion	-
Static Rooms BTC & RLTC	-
Program Marketing	-
Scheduling System- Non Conventional	-
	-
Total Estimated Work Plan 2016/17	14,630,000
Less Projected Carry Forward from Previous Years	8,930,000
Gross Budget Request for 2016/17	5,700,000

2016/2017 Capital Budget Form

Project Name:	New/Expanded Transit Centre
Project Number:	CB000017
Business Unit:	Halifax Transit
Project Manager:	Dave Reage
Project Type:	Growth
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

The existing Halifax Transit maintenance and storage facilities are nearing capacity. A new or expanded facility is required to accommodate growth and transit service increases. In 2016/17, existing funds will be used to commission a study to investigate the potential of expanding the existing Burnside Transit Facility. Construction of the new or expanded facility is scheduled for 2017/18 and 2018/19.

Total Capital Request: (5 Years) \$

30,500,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	10,235,000	20,265,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	10,235,000	20,265,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Penhorn Terminal Upgrade
Project Number: CM000007
Business Unit: Halifax Transit
Project Manager: Patricia Hughes
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

Project Summary:

The existing Penhorn Terminal is aging and is scheduled for rehabilitation work in 2020/2021.

Total Capital Request: (5 Years) \$ 1,500,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	1,500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	-	-	1,500,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Replacement Transit Technology
Project Number:	CMU01203
Business Unit:	Halifax Transit
Project Manager:	Dave Reage
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Halifax Transit

Project Summary:

Implementation and Replacement of Metro Transit Technological solutions. Upon receipt of newly delivered replacement buses, Fleet Services removes the Vehicle Tracking/Communication (VT&C) equipment, farebox and CCTV equipment from the retired bus and reinstalls these components on the replacement buses; the expansion vehicles do not come equipped with this equipment from the manufacturer. The tech solutions, depending on the age of the components, may need to be replaced before the vehicles are considered equipped and ready for service.

Other technological solutions that will require replacement include vehicle and building CCTV/ Access Control infrastructure, UHF and TMR communications equipment, and public facing information infrastructure. The project also includes replacement of security infrastructure at ferry service to ensure compliance of Transport Canada's Domestic Ferry Security Regulations.

Total Capital Request: (5 Years) \$

630,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	210,000	210,000	210,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	210,000	210,000	210,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Replacement RDT Sites	108,000
Replacement of UHF Radios	60,000
Communications Room	7,000
	-
	-
Total Estimated Work Plan 2016/17	175,000
Less Projected Carry Forward from Previous Years	175,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Scotia Square Facility
Project Number:	CM000008
Business Unit:	Halifax Transit
Project Manager:	Patricia Hughes
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

Project Summary:

Scotia Square is a key location in the transit network. More than 12,500 transit passengers on and off board buses at Scotia Square every day, making it the second busiest terminal in the system. Unlike other transit terminals, this location has no interior passenger waiting space or amenities. Until recently, a large glass shelter was available to passengers waiting for the bus. Due to renovations of the Scotia Square building by the property owner, the shelter had to be removed, and the available sidewalk waiting space is being dramatically reduced. However, the renovations have also created the opportunity for Halifax Transit to lease interior space in a convenient location for transit passengers.

This project will include the lease of a street level storefront space to serve as a Halifax Transit interior passenger waiting space. The project funding will be utilized for fit up of the space, including but not limited to installing seating, monitors, signage, and surveillance equipment.

Total Capital Request: (5 Years) \$

150,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	150,000	-			
Funding Source:					
	-	-			
	-	-			
Total Funding:	-	-			
Net budget:	150,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Leasehold improvements, including installation of seating, real time transit information, signage, and surveillance equipment is scheduled for late 2016/early 2017.	150,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	150,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	150,000

2016/2017 Capital Budget Form

Project Name: Shelters Replacement/Expansion
Project Number: CBT00437
Business Unit: Halifax Transit
Project Manager: Amy Power
Project Type: Service Improvements
Discrete/Bundled: Bundled
Budget Category: Halifax Transit

Project Summary:

This project will replace old and outdated bus shelters and continue the expansion of the current shelter program. Halifax Transit's bus shelter inventory is aging as many were installed as early as the 1970s and are therefore in poor repair. Shelters have a limited lifespan and older shelters can pose safety concerns when the structure approaches the failure point. Expansion of bus shelters to provide shelter for a growing customer base is needed.

Total Capital Request: (5 Years) \$

550,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	110,000	110,000	110,000	110,000	110,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	110,000	110,000	110,000	110,000	110,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Shelter purchase - purchase of approximately 15 shelters	70,000
Construction Cost - removal & re-install of shelters include removal & re-install during S/W construction	24,000
Shelter pads - install of approximately 10 replacement shelter pads	16,000
	-
	-
Total Estimated Work Plan 2016/17	110,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	110,000

2016/2017 Capital Budget Form

Project Name: Transit Priority Measures
Project Number: CM000009
Business Unit: Halifax Transit
Project Manager: Patricia Hughes
Project Type: Service Improvements
Discrete/Bundled: Bundled
Budget Category: Halifax Transit

Project Summary:

This project includes the construction of a transit only right turn lane on the west side of Windmill Road, from Seapoint Road to Bancroft Lane. This lane will be used by transit vehicles as a transit priority measure, to avoid congestion and increase reliability. In addition, following the completion of the Transit Priority Measures Study undertaken in 2015/16, approximately one to three of the transit priority measures recommended by the study will be implemented.

Total Capital Request: (5 Years) \$

200,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	200,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	200,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Windmill Road - additional lane from Seapoint to Bancroft	150,000
Implementation of 1-3 TPM measures identified in TPM study	50,000
	-
	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	200,000

2016/2017 Capital Budget Form

Project Name: Transit Security
Project Number: CMU00982
Business Unit: Halifax Transit
Project Manager: Doug Mosher
Project Type: Service Improvements
Discrete/Bundled: Bundled
Budget Category: Halifax Transit

Project Summary:

Transit Security projects include augmentation and installation of security measures for transit assets. The project includes continual maintenance and upgrades of the security infrastructure at ferry service, to ensure compliance of Transport Canada's Domestic Ferry Security Regulations. Projects also include ongoing technical upgrades and enhancements, maintenance, and installations at transit facilities properties and vehicles, as outlined in the Threat and Vulnerability Assessment Report, performed for HRM by Transportation Resource Associates Inc. in October 2008. These initiatives help HRM to mitigate risk and to increase security over the next number of years. Increased security has many added benefits such as increased comfort to passengers as well as protection of HRM employees and assets from issues such as vandalism, fraud, mischief and theft.

Total Capital Request: (5 Years) \$

1,200,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	300,000	300,000	300,000	300,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	300,000	300,000	300,000	300,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Approximately 62 buses per year at \$4,800	300,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	300,000
Less Projected Carry Forward from Previous Years	300,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Transit Support Vehicle Replacement
Project Number:	CV000004
Business Unit:	Halifax Transit
Project Manager:	Wendy Lines
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Halifax Transit

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. Additionally, Halifax Transit operates a number of vans and service trucks (7) that provide mobile road repair service, electronic component repair and the shuttling of parts between garages. These vehicles incur high mileage. This project will replace vehicles as they reach the end of their economic life. Failure to replace these vehicles can result in excessive maintenance cost and delays in servicing vehicles responding to on-road situations with passengers on board.

Total Capital Request: (5 Years) \$

585,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	140,000	145,000	40,000	130,000	130,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	140,000	145,000	40,000	130,000	130,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Bus Stop Repair Truck Replacement	75,000
Maintenance Truck Replacement - two vehicles at approximately \$35K per unit	70,000
	-
	-
	-
Total Estimated Work Plan 2016/17	145,000
Less Projected Carry Forward from Previous Years	5,000
Gross Budget Request for 2016/17	140,000

2016/2017 Capital Budget Form

Project Name:	Transit Technical System Expansion
Project Number:	CIU00875
Business Unit:	Halifax Transit
Project Manager:	Dave Reage
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Halifax Transit

Project Summary:

The purchase of new and replacement software to achieve efficiencies in the daily operations of HRM's public transit system. Past software initiatives have included scheduling software and employee performance software.

Total Capital Request: (5 Years) \$

420,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	140,000	140,000	140,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	-	140,000	140,000	140,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Wrights Cove Terminal
Project Number: CR000007
Business Unit: Halifax Transit
Project Manager: Patricia Hughes
Project Type: Service Improvements
Discrete/Bundled: Discrete
Budget Category: Halifax Transit

Project Summary:

This project is to introduce a new transit terminal to facilitate transfers into the Burnside Business Park. The new terminal will be located on Bancroft Lane (near Windmill Road), and will feature four to six bus bays, layover space, and passenger and operator amenities.

Total Capital Request: (5 Years) \$

2,000,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	650,000	1,350,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	650,000	1,350,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

<i>Construction of the terminal begins in spring 2017 *</i>	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

**5-Year Gross Capital Budget
Parks and Playgrounds**

	Budget Category	Project #	2016	2017	2018	2019	2020
Page	Parks & Playgrounds						
E1	Cemetery Fence Restoration	CP000015	-	250,000	250,000	-	-
E2	Cole Harbour Turf	CP110002	3,800,000	-	-	-	-
E3	Cornwallis Park Master Plan Implementation	CP000011	350,000	600,000	-	-	-
E4	Cultural Spaces	CD990003	250,000	-	-	-	-
E5	Fort Needham Master Plan Implementation	CP000012	2,200,000	3,000,000	-	-	-
E6	Halifax Common Master Plan & Implementation	CP000013	-	2,000,000	5,000,000	-	-
E7	Park Land Acquisition	CPX01149	-	500,000	500,000	500,000	500,000
E8	Park Upgrades	CP000002	2,440,000	2,350,000	350,000	350,000	350,000
E9	Point Pleasant Park Master Plan Implementation	CP000006	-	1,400,000	-	-	-
E10	Point Pleasant Park Stone Wall Restoration	CP000009	-	250,000	250,000	250,000	250,000
E11	Public Gardens Upgrades	CPX01193	-	250,000	50,000	50,000	50,000
E12	Regional Water Access/ Beach Upgrades	CPX01331	275,000	500,000	650,000	650,000	650,000
E13	Sports Fields/Courts - State of Good Repair	CP000003	230,000	1,255,000	1,500,000	1,500,000	1,500,000
E14	Sports/Ball Fields/Courts - New	CP000004	1,600,000	1,500,000	50,000	50,000	50,000
E15	Western Common Master Plan Implementation	CP000014	50,000	50,000	50,000	50,000	50,000
	Parks & Playgrounds Total		11,195,000	13,905,000	8,650,000	3,400,000	3,400,000

2016/2017 Capital Budget Form

Project Name: Cemetery Fence Restoration
Project Number: CP000015
Business Unit: Parks & Recreation
Project Manager: Rob Mullane
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Parks & Playgrounds

Project Summary:

This project addresses a multi-year ornamental fence replacement of perimeter fencing at Camp Hill Cemetery. The existing fence has reached the end of its useful life and needs to be replaced. The fence manages the flow of the public who visit the cemetery and helps protect the condition of the grounds.

Total Capital Request: (5 Years) \$

500,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	250,000	250,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	250,000	250,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Work to begin in 2017/18	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Cole Harbour Turf
Project Number: CP110002
Business Unit: Parks & Recreation
Project Manager: Margaret Soley
Project Type: State of Good Repair
Discrete/Bundled: Discrete
Budget Category: Parks & Playgrounds

Project Summary:

This project includes the re-development of the municipally-owned Gordon Bell site and field, into a Class A all-weather turf sport field with lighting. Associated facilities will include a parking lot, a storm water retention system and a barrier-free, accessible pedestrian pathway system. The technical feasibility assessments and design work was carried out in 2015/16 with construction planned for 2016.

Total Capital Request: (5 Years) \$

3,800,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	3,800,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	3,800,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	70,000	-	-	-
Annual Operating Costs:	-	80,000	-	-	-
Net Annual Operating Costs:	-	10,000	-	-	-

Detailed Work Plan 2016/17:

Estimate

Artificial field construction, parking lot, storm water retention system and barrier-free, accessible pedestrian	3,800,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	3,800,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	3,800,000

2016/2017 Capital Budget Form

Project Name:	Cornwallis Park Master Plan Implementation
Project Number:	CP000011
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Parks & Playgrounds

Project Summary:

Redevelopment of Cornwallis Park is to be undertaken as per the concept plan prepared in 2013, and presented to the public in May 2014. The overall approach is to upgrade the existing infrastructure including the playground areas, seating walls, pathways, and lighting in the southern section of the park.

Total Capital Request: (5 Years) \$

950,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	350,000	600,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	350,000	600,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:					
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Master plan implementation phase 2: upgrade the existing infrastructure including the playground areas, seating walls, pathways, and lighting in the southern section of the park	350,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	350,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	350,000

2016/2017 Capital Budget Form

Project Name:	Cultural Spaces
Project Number:	CD990003
Business Unit:	Parks & Recreation
Project Manager:	Denise Schofield
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Parks & Playgrounds

Project Summary:

This is a multi-year project, focussing on the development and maintenance of cultural structures such as artifacts, monuments, markers, commemorative signage, public art and banners, as outlined in the Cultural Plan and Public Art Policy. This project is funded from the Cultural Development Reserve.

Total Capital Request: (5 Years) \$ 250,000

Supports Outcome Area: Economic Development (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured **Concept**

How advanced are the budget estimates? Class D, C, B or A

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	250,000	-	-	-	-
Funding Source:					
Q312 - Cultural Development Reserve	250,000	-	-	-	-
	-	-	-	-	-
Total Funding:	250,000	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Potential acquisitions and ongoing repairs and maintenance on HRM public art and monuments	250,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	250,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	250,000

2016/2017 Capital Budget Form

Project Name:	Fort Needham Master Plan Implementation
Project Number:	CP000012
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Parks & Playgrounds

Project Summary:

The Fort Needham Master Plan will identify capital projects and park improvements to be implemented in preparation for the Halifax Explosion 100th Anniversary in 2017. The projects include detailed concept plans and an implementation strategy that identifies capital projects, estimated costs and a phasing approach. The result will be the renewal and long-term park plan for Fort Needham Memorial Park, that balances the local recreational needs with the conservation of the Park's regional significance as an important cultural landscape. Regional Council has directed staff to pursue partnership funding for capital costs from other levels of government and the private sector. Further, pursuant to Council's direction, the funding in the 2017/18 capital budget for Phase 2 in the amount of \$3M has been included, subject to receipt of cost shared funding.

Total Capital Request: (5 Years) \$

5,200,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,200,000	3,000,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,200,000	3,000,000	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	100,000	-	-	-
Net Annual Operating Costs:	-	100,000	-	-	-

Detailed Work Plan 2016/17:

Estimate

Detailed design and tender documents for Phase 1 construction	2,200,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	2,200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	2,200,000

2016/2017 Capital Budget Form

Project Name:	Halifax Common Master Plan & Implementation
Project Number:	CP000013
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Parks & Playgrounds

Project Summary:

This account is for the completion of the capital works identify in the 2010 Halifax North Common Master Plan as approved by Regional Council and for future years investment on the Central Common. A review will be undertaken of the 1994 Plan to update the policies and governance for the Historic Halifax Common and produce a plan for the redevelopment of the Central Common. In 2010, a Park Improvement Plan was approved for the North Common. The intent is to continue the implementation of this plan by upgrading the existing asphalt paths, lighting and drainage.

Total Capital Request: (5 Years) \$

7,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	2,000,000	5,000,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	2,000,000	5,000,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	10,000	-	-	-
Net Annual Operating Costs:	-	10,000	-	-	-

Detailed Work Plan 2016/17:

Estimate

Continuation of implementation of the North Common site Master Plan and develop a master plan for the improvements to the capital infrastructure on the Main Common.	160,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	160,000
Less Projected Carry Forward from Previous Years	160,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Park Land Acquisition
Project Number:	CPX01149
Business Unit:	Parks & Recreation
Project Manager:	Peter Stickings
Project Type:	Growth
Discrete/Bundled:	Bundled
Budget Category:	Parks & Playgrounds

Project Summary:

This project will fund acquisition and purchase of strategic parklands in support of the HRM's regional park and trails system. In addition to the smaller strategic acquisitions, Regional Council has authorized staff to work on several larger strategic open space properties of joint interest with the Province of Nova Scotia. This is an opportunity account to purchase parkland, as directed by Council, as it becomes available, to create or expand Regional Parks, Regional Active Transportation Trails, District and Neighbourhood Parks and Trails.

Total Capital Request: (5 Years) \$

2,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	500,000	500,000	500,000	500,000
Funding Source:					
Reserve Q107 - Parkland Development	-	500,000	500,000	500,000	500,000
	-	-	-	-	-
Total Funding:	-	500,000	500,000	500,000	500,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

This is an opportunity account to purchase parkland, as directed by Council, as it becomes available, to create or expand Regional Parks, Regional Active Transportation Trails, District and Neighbourhood Parks and Trails.	575,000
Current Potential Projects based on Council direction include:	-
Terrace Bay Swim area	-
Blue Mountain, Birch Cove Park	-
Cole Harbour View plane	-
Halifax Peninsula Trail	-
Dartmouth Waterfront Trail	-
Prospect, High Head Barrens Park	-
COLTA Trailhead	-
Governor's Lake park	-
Porter's Lake Beach	-
Belvedere Playground	-
Timeline for acquisition dependent on negotiations and may extend beyond 2016/17.	-
	-
Total Estimated Work Plan 2016/17	575,000
Less Projected Carry Forward from Previous Years	575,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Park Upgrades
Project Number: CP000002
Business Unit: Parks & Recreation
Project Manager: Margaret Soley
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Parks & Playgrounds

Project Summary:

This program is dedicated to improve the quality of our parks, open spaces and play experiences. Areas of focus for this program include upgrades to existing parks, play structures/equipment, walkways, boardwalks, pathways, splash pads, retaining walls, and site improvements, such as drainage. Playground equipment is assessed annually, following Canadian Safety Association (CSA) standards to ensure equipment is safe and functional. These assessments are used in prioritizing capital improvements. This also supports project planning by providing funding for consulting, geotechnical, archaeological, inspections, condition assessments, and surveying on an as-needed basis.

Total Capital Request: (5 Years) \$

5,840,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,440,000	2,350,000	350,000	350,000	350,000

Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,440,000	2,350,000	350,000	350,000	350,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Park bridge inspection	100,000
Consulting, geotechnical, storm water, surveying, archeological, etc. as required	200,000
First Lake Splash Pad - upgrades	120,000
Cole Harbour Common - connections and drainage improvements	150,000
Hemlock Ravine - heart shaped pond retaining wall	225,000
Wallace Lucas Community Centre - park upgrades	90,000
Westridge Ball Field/Off leash park parking lot paving and lighting	200,000
Bayers Westwood Park - splash pad upgrades	100,000
Sheldrake Lake - wood retaining wall and landscaping	25,000
Play Structures - Beaver Bank/Kinsac School, Belmont Park, Bristol Ave Park, Ryan Rosen, Caldwell Rd School, Chalamont Park, Craighburn Drive Park, Dartmouth Common, DeYoung Drive, Ecole Bois-Jolie, Evelyn Wood Place, Fairview Heights Annex School, George Dixon, Ecole Chebucto Heights School, Jollimore Park, Lakeside Centre, Leaside Park, Pleasant Drive Park (Gaetz Brook), Oceanview Drive Park, Regatta Point, Roleika Dr Park, Sir Charles Tupper, Sir Sandford Fleming Park, Titus Smith, Jabaru Lane Park, Sunset Acres Park, Terence Bay, Captain Spry Community Centre and Murray Warrington Park.	1,380,000
Total Estimated Work Plan 2016/17	2,590,000
Less Projected Carry Forward from Previous Years	150,000
Gross Budget Request for 2016/17	2,440,000

2016/2017 Capital Budget Form

Project Name:	Point Pleasant Park Master Plan Implementation
Project Number:	CP000006
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Parks & Playgrounds

Project Summary:

A park development plan was prepared as part of the 2008 Point Pleasant Park Comprehensive Plan. It described opportunities to improve the visual and practical aspects of the Park. All three main entrances were identified to be redeveloped to provide a clear definition for visitor arrival and transition into the park. In 2011, through the Infrastructure Stimulus Funding Program, implementation of the Tower Road entrance parking lot, and the northern portion of the Harbour Entrance parking lot were completed. The redevelopment of the lower parking lot at the Harbour entrance will be the continuation of this work and will include the installation of new lighting. The new layout will orient the parking to the park rather than the container pier, frame harbour views and provide better facilities for transit stops and cycling.

Total Capital Request: (5 Years) \$ 1,400,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	1,400,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	1,400,000	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:	Estimate
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Point Pleasant Park Stone Wall Restoration
Project Number:	CP000009
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Parks & Playgrounds

Project Summary:

A survey of the stone wall that defines a large portion of the perimeter boundary of Point Pleasant Park was undertaken by structural engineers to determine its condition and identify the requirement for restoration and maintenance. The perimeter stone fence is approximately two kilometers long. It starts near the intersection of Franklyn Street and Chain Rock Drive. From this starting point, it goes north along Franklin to the intersection at Point Pleasant Drive, turning east following Point Pleasant Drive to the parking lot. From this point, the wall continues past the Look-off parking lot gate and continues around the perimeter of the Look-off parking lot. In general, the work required includes repointing of stone work; replacement of damaged and missing stones; reconstruction of the concrete cap that is damaged, fractured or displaced; and in some locations, dismantling and rebuilding of sections of the wall.

Total Capital Request: (5 Years) \$

1,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	250,000	250,000	250,000	250,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	250,000	250,000	250,000	250,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name: Public Gardens Upgrades
Project Number: CPX01193
Business Unit: Parks & Recreation
Project Manager: Kevin Rideout
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Parks & Playgrounds

Project Summary:

The immediate priority identified in the Cultural Asset Study of the Halifax Public Gardens of the built heritage assets is restoration of the perimeter fencing. This project is part of a multi-phase restoration project to address aesthetic and safety concerns around the Public Gardens fence and maintain the asset in a state of good repair. Restoration of ornamental steel fencing around the Public Gardens includes removal, sand blasting, priming and reinstallation.

Total Capital Request: (5 Years) \$

400,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	250,000	50,000	50,000	50,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	250,000	50,000	50,000	50,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Regional Water Access/ Beach Upgrades
Project Number:	CPX01331
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Parks & Playgrounds

Project Summary:

This program supports the development of infrastructure to access HRM's lakes, beaches and harbour fronts. Included in this project is life-cycle refurbishment of HRM-owned wharfs, boat launches and seawalls. The scope of work for the Northwest Arm seawall project includes the continuation of the construction of a granite rock seawall, asphalt walkway, drainage and associated reinstatement.

Total Capital Request: (5 Years) \$

2,725,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	275,000	500,000	650,000	650,000	650,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	275,000	500,000	650,000	650,000	650,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Northwest Arm Seawall - Phase 4	275,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	275,000
Less Projected Carry Forward from Previous Years	
Gross Budget Request for 2016/17	275,000

2016/2017 Capital Budget Form

Project Name:	Sports Fields/Courts - State of Good Repair
Project Number:	CP000003
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Parks & Playgrounds

Project Summary:

This program provides for the life-cycle refurbishment and upgrades of sports courts and sports fields across the Municipality. Upgrading of assets will provide for increased level of service for the community.

Total Capital Request: (5 Years) \$

5,985,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	230,000	1,255,000	1,500,000	1,500,000	1,500,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	230,000	1,255,000	1,500,000	1,500,000	1,500,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Demetrious Lane Court - resurfacing	80,000
Mainland Common Artificial Field - perimeter walkway paving	200,000
Metropolitan Field - walkway connection and drainage improvements	100,000
	-
	-
Total Estimated Work Plan 2016/17	380,000
Less Projected Carry Forward from Previous Years	150,000
Gross Budget Request for 2016/17	230,000

2016/2017 Capital Budget Form

Project Name:	Sports/Ball Fields/Courts - New
Project Number:	CP000004
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Parks & Playgrounds

Project Summary:

This program provides for the development of new sports courts and ball fields throughout HRM. Projects include a new ball field facility at Mount Edward Road to replace the existing fields at Prince Arthur Jr. High and development of a plan for the Baker Drive Parkland. The payment of \$465K from the Province to HRM will be held in the Sale of Land Reserve (Q101) as a contribution to the Mount Edward Road ball field development.

Total Capital Request: (5 Years) \$ 3,250,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,600,000	1,500,000	50,000	50,000	50,000
Funding Source:					
Reserve Q101 - Sale of Capital Assets	465,000	-	-	-	-
Reserve Q107 - Parkland Development	100,000	1,000,000	-	-	-
Total Funding:	565,000	1,000,000	-	-	-
Net budget:	1,035,000	500,000	50,000	50,000	50,000

Fiscal Year	2021/22	2022/23	2023/24	2024/25	2025/26
Gross Budget:	50,000	50,000	50,000	50,000	50,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	50,000	50,000	50,000	50,000	50,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	25,000	-	-	-
Net Annual Operating Costs:	-	25,000	-	-	-

Detailed Work Plan 2016/17:	Estimate
Mount Edward Ball Diamond	1,500,000
Baker Drive Planning and Design	100,000
	-
	-
	-
Total Estimated Work Plan 2016/17	1,600,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	1,600,000

2016/2017 Capital Budget Form

Project Name:	Western Common Master Plan Implementation
Project Number:	CP000014
Business Unit:	Parks & Recreation
Project Manager:	Margaret Soley
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Parks & Playgrounds

Project Summary:

The Western Common Master Plan was completed and approved by Regional Council in 2010. The strategic purpose of the Western Common is to protect the environmental assets of the area as well as provide for wilderness recreation. Capital investments for the Western Common are laid out in the approved master plan.

Total Capital Request: (5 Years) \$

250,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	50,000	50,000	50,000	50,000	50,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	50,000	50,000	50,000	50,000	50,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	5,000	5,000	5,000	5,000	5,000
Net Annual Operating Costs:	5,000	5,000	5,000	5,000	5,000

Detailed Work Plan 2016/17:

	Estimate
Trail Construction	50,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	50,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	50,000

**5-Year Gross Capital Budget
Roads and Active Transportation**

	Budget Category	Project #	2016	2017	2018	2019	2020
Page	Roads & Active Transportation						
F1	Active Transportation - Strategic Projects	CTU00420	5,100,000	6,850,000	7,850,000	8,850,000	8,850,000
F3	Bridges	CRU01077	2,300,000	3,000,000	3,000,000	3,000,000	3,500,000
F4	New Paving Streets - HRM Owned Roads	CR000002	-	500,000	500,000	500,000	500,000
F5	New Paving Subdivision Streets - Provincial	CR990001	2,500,000	500,000	500,000	500,000	500,000
F6	Other Road Related Works	CRU01079	2,500,000	2,500,000	2,500,000	3,000,000	3,000,000
F8	Road Operations and Construction - State of Good Repair	CR990002	2,500,000	3,000,000	4,000,000	4,000,000	4,000,000
F9	Sidewalk Renewals	CKU01084	3,000,000	3,500,000	3,500,000	3,500,000	3,750,000
F11	Street Recapitalization	CR000005	30,100,000	30,000,000	30,000,000	32,000,000	33,000,000
	Roads & Active Transportation Total		48,000,000	49,850,000	51,850,000	55,350,000	57,100,000

2016/2017 Capital Budget Form

Project Name:	Active Transportation - Strategic Projects
Project Number:	CTU00420
Business Unit:	Transportation & Public Works
Project Manager:	Dave Hubley
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

These projects support the implementation of the Active Transportation (AT) Priorities Plan which was approved by Regional Council in Sept, 2014. The plan lays out a strategy to implement AT infrastructure and programs between 2014 and 2019. Capital projects prioritized in the plan and incorporated into this budget include new sidewalks, multi-use AT greenways and AT bridges (for walking, bicycling and other active modes), AT greenways built and maintained by community trails associations, on-road bicycling facilities, and supportive infrastructure such as bicycle racks, greenway amenities, and pavement markings. Projects are based on the proposed routes from the AT Priorities Plan and sidewalk requests submitted by the community. Projects are evaluated based on criteria related to need, connectivity, safety and other factors. Efforts are made to integrate AT projects with other capital projects to realize cost efficiencies. All projects are in support of Municipal objectives to develop a complete and connected network of active transportation facilities and to increase the number of residents who walk and bicycle for utilitarian purposes.

Total Capital Request: (5 Years) \$

37,500,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	5,100,000	6,850,000	7,850,000	8,850,000	8,850,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	5,100,000	6,850,000	7,850,000	8,850,000	8,850,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	33,000	33,000	33,000	33,000	33,000
Net Annual Operating Costs:	33,000	33,000	33,000	33,000	33,000

Detailed Work Plan 2016/17:

	Estimate
Detailed Work Plan on next page	5,100,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	5,100,000
Less Projected Carry Forward from Previous Years	
Gross Budget Request for 2016/17	5,100,000

Capital Project Supplementary Report

Project Name: Active Transportation	Project # CTU00420
PROJECT/LOCATION	DISTRICT ESTIMATE
New Sidewalk	
Shore Rd	3 \$725,000
Gander Ave	4 \$85,000
Atlantic St	5 \$50,000
Windmill Rd	6 \$100,000
Courtney Rd	6 \$35,000
Strath Ln	6 \$45,000
Trunk 3 (SMBR)	12 \$805,000
Cobequid Rd (Design Only)	15 \$50,000
Hammonds Plains Rd	16 \$525,000
Bedford Hwy	16 \$100,000
Miscellaneous locations TBD	<u>\$380,000</u>
Total Sidewalk Estimate	<u>\$2,900,000</u>
Active Transportation	
North Preston Rd Culvert Extension	2 \$40,000
Forest Hills Dr. AT Facility Planning	4 \$35,000
Wyse Rd./Sportsplex AT/Bikeway Planning	5 \$40,000
Mount Hope Ave to Woodside AT Facility and Alignment Planning	5 \$25,000
MacDonald Bridge Planning	5/8 \$270,000
Commodore Dr. AT Greenway Planning	6 \$10,000
Morris St - University Bike Lane Planning	7 \$50,000
Upper Water St Bicycle Connection between Barrington Greenway and Hollis Bike Lane Planning	7/8 \$20,000
Barrington St Greenway North Ext to Niobi Gate Planning	8 \$30,000
Devonshire Ave - Pedestrian and Bicycle Improvements	8 \$300,000
Chain of Lakes Bridge Resurface and Connection Upgrade to Greenway	9 \$65,000
AT Support Infrastructure (Parking, Pavement, Markings, Studies, Bicycle Detection, Misc.)	Various \$75,000
Local Street Bikeway Planning (North End and Vernon Seymour)	Various <u>\$40,000</u>
Total Active Transportation Estimate	<u>\$1,000,000</u>
Regional Trails	
Carroll's Corner (400m Greenway Extension)	1 \$50,000
SWEPS (Fall River)	1 \$60,000
Cole Harbour Parks and Trails (500m Greenway on Rehab lands)	4 \$145,000
Penhorn Lake (Greenway from Lake to Portland St.)	5 \$80,000
Halifax Urban Greenway Plan for Alignment	7 \$25,000
Chain of Lakes Greenway (parking lot, amenities, signage)	9 \$50,000
St. Margaret's Bay Rails to Trails Planning	13 \$25,000
Sackville Greenway	15 <u>\$765,000</u>
Total Regional Trails Estimate	<u>\$1,200,000</u>
Total Estimate	<u><u>\$5,100,000</u></u>
Summary of Budget Breakdown:	
2016/17 Active Transportation Budget	\$5,100,000
Surplus from previously approved Accounts	<u>\$0</u>
Total Budget	<u><u>\$5,100,000</u></u>
Potential Projects List	
Portland St (NSW)	Hwy 111 Green Village 5 \$125,000

2016/2017 Capital Budget Form

Project Name:	Bridges
Project Number:	CRU01077
Business Unit:	Transportation & Public Works
Project Manager:	David Hubley
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

The Bridge program is developed from the work plan prepared as part of the deliverables identified in the Level 2 Bridge Inspection Program. The Level 2 Bridge Inspection Program outlines work required in the short term (5 years) and long term (10 year).

Total Capital Request: (5 Years) \$ 14,800,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured **Concept**

How advanced are the budget estimates? Class D, C, B or A **Class 'D'**

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,300,000	3,000,000	3,000,000	3,000,000	3,500,000
Funding Source:	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,300,000	3,000,000	3,000,000	3,000,000	3,500,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

PROJECT/LOCATION	District	Estimate
BR37 McQuarrie replacement	1	1,300,000
BR57 Walker - implement 2015 level 3 recommendations	2/4	35,000
BR 122 Shore Rd at Fisherman's Cove Replacement - design only	3	75,000
BR 122 Shore Rd Repairs to Ped	3	25,000
BR7 Forest Hills Ave - implement level 3 inspection	4	15,000
BR26 Lady Hammond Rd - implement level 3 inspection	8	15,000
BR118 Sackville Drive rehabilitation - design only	15	20,000
Wooden Railing Replacements - Misc. Locations	Various	130,000
Level 2 Inspection	Various	250,000
Miscellaneous bridge repairs/designs/inspections	Various	135,000
Misc. - Other Locations TBD	Various	500,000
		-
Total Estimated Work Plan 2016/17		2,500,000
Less Projected Carry Forward from Previous Years		200,000
Gross Budget Request for 2016/17		2,300,000

2016/2017 Capital Budget Form

Project Name:	New Paving Streets - HRM Owned Roads
Project Number:	CRO00002
Business Unit:	Transportation & Public Works
Project Manager:	David Hubley
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

This program is directed towards the paving of HRM owned and maintained gravel roads. Local Improvement charges apply to these projects. The paving of these roads improves ride ability and reduces maintenance costs.

Total Capital Request: (5 Years) \$

2,000,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	500,000	500,000	500,000	500,000
Funding Source:					
Local Improvement Charge (LIC)	-	250,000	250,000	250,000	250,000
	-	-	-	-	-
Total Funding:	-	250,000	250,000	250,000	250,000
Net budget:	-	250,000	250,000	250,000	250,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	7,500	7,500	7,500	7,500	7,500
Net Annual Operating Costs:	7,500	7,500	7,500	7,500	7,500

Detailed Work Plan 2016/17:

Estimate

PROJECT/LOCATION	FROM	TO	LIC	District	Estimate
Swan Crescent	Carmella	End	YES	11	150,000
Evans Drive	Halfway Lake	End	YES	13	55,000
Other Locations TBD			Yes		295,000
					-
Total Estimated Work Plan 2016/17					500,000
Less Projected Carry Forward from Previous Years					500,000
Gross Budget Request for 2016/17					-

2016/2017 Capital Budget Form

Project Name:	New Paving Subdivision Streets - Provincial
Project Number:	CR990001
Business Unit:	Transportation & Public Works
Project Manager:	David Hubley
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

This program is directed towards the paving of gravel roads outside the HRM core owned and maintained by the Province. Local Improvement charges and Provincial funding apply. Funding is based on Aid to Municipality Program and the Province (NSTIR) approving these projects.

Total Capital Request: (5 Years) \$

4,500,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,500,000	500,000	500,000	500,000	500,000
Funding Source:					
Local Improvement Charge (LIC)	1,250,000	250,000	250,000	250,000	250,000
Provincial Cost Sharing	1,250,000	250,000	250,000	250,000	250,000
Total Funding:	2,500,000	500,000	500,000	500,000	500,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

PROJECT/LOCATION	FROM	TO	LIC	District	Estimate
Birchpond Crt	Tara	End	Yes	11	56,000
Carmella Dr	Rte 333	Lot B22	Yes	11	456,000
Delmerle Dr	Tara	End	Yes	11	324,000
Denford Rd	Stoney Beach	Lot 42	Yes	11	140,000
Maple Dr	Terence Bay	Delmerle	Yes	11	52,000
Spruceview Dr	Denford	End	Yes	11	64,000
Tara Dr	Terence Bay	Birchpond	Yes	11	188,000
Prospect River Crt	Forest Glade	End	Yes	11	196,000
Jarrett Dr	Brookside	Lot 9	Yes	11	152,000
Shannon Rd	Tracey	Kelly	Yes	11	120,000
Bayshore Dr	Prospect	Lot 19	Yes	11	88,000
Tidal Way	Bayshore	End	Yes	11	76,000
Meadowbrook Dr	Off Earls	Start to End	Yes	14	528,000
Contingency					60,000
Total Estimated Work Plan 2016/17					2,500,000
Less Projected Carry Forward from Previous Years					-
Gross Budget Request for 2016/17					2,500,000

2016/2017 Capital Budget Form

Project Name: Other Road Related Works
Project Number: CRU01079
Business Unit: Transportation & Public Works
Project Manager: David Hubley
Project Type: State of Good Repair
Discrete/Bundled: Bundled
Budget Category: Roads & Active Transportation

Project Summary:

This project covers funding required for a variety of areas including installation of new guiderails and retaining walls, upgrade of existing guiderails and retaining walls, upgrading of walkways, asphalt testing programs and materials testing requirements for capital projects.

Total Capital Request: (5 Years) \$

13,500,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,500,000	2,500,000	2,500,000	3,000,000	3,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,500,000	2,500,000	2,500,000	3,000,000	3,000,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	2,500	2,500	2,500	2,500	2,500
Net Annual Operating Costs:	2,500	2,500	2,500	2,500	2,500

Detailed Work Plan 2016/17:

	Estimate
Detailed Work Plan on next page	2,800,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	2,800,000
Less Projected Carry Forward from Previous Years	300,000
Gross Budget Request for 2016/17	2,500,000

Capital Project Supplementary Report

Project Name: Other Road Related Works	Project # CRU01079
PROJECT/LOCATION	DISTRICT ESTIMATE
Materials Testing	Various \$450,000
Guide Rails	
Waverley Rd	1 \$75,000
Miller Lake Rd	1 \$40,000
Barrington St – North Marginal Rd to Africville Rd	8 \$40,000
MacKay Bridge Ramps	8 \$100,000
Birch Cove Rd	10 \$20,000
Dickson Ave	10 \$5,000
Misc. Guide Rail Repairs	Various \$65,000
Total Guide Rails	\$345,000
Walkways	
43 Brompton Rd to 68 Waynewood Dr	3 \$40,000
Clermont Cres Civic 63/67 to Trail	4 \$75,000
5 Landrace Cres to 28 Charlois Crt	6 \$25,000
44 Landrace Cres to 25 Anderson St	6 \$40,000
Pinecrest Dr to Brule St Wooden Stairs	6 \$95,000
Misc. - Other Locations TBD	Various \$240,000
Total Walkways	\$515,000
Retaining Walls	
Gander Ave	4 \$25,000
Oakland Rd (Design Only)	7 \$25,000
HCR at roundabout - Concrete Wall	9 \$95,000
HCR at roundabout - T-Wall consultant investigation	9 \$25,000
Bedford Hwy (Rocky Lake to civic 1687)	16 \$245,000
Cliff St	16 \$120,000
Bedford Hwy (Oakmount to North Mall Entrance)	16 \$145,000
Misc. Wall Repairs	Various \$35,000
Total Retaining Walls	\$715,000
Pedestrian Ramp Upgrades/Curb Repairs	\$100,000
High Speed Data Collection	\$375,000
Pavement Designs/Investigations/Studies	\$300,000
Total Estimate	<u>\$2,800,000</u>
Summary of Budget Breakdown:	
2016/17 Other Roads Related Works Budget	\$2,500,000
Surplus from previously approved Accounts	\$300,000
Total Budget	<u>\$2,800,000</u>

2016/2017 Capital Budget Form

Project Name:	Road Operations and Construction - State of Good Repair
Project Number:	CR990002
Business Unit:	Transportation & Public Works
Project Manager:	TBD
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

The State of good repair budget provides maintenance to the transportation network and includes activities such as asphalt maintenance (spreader patching, skin patching, etc.) sidewalk slab replacement, bridge recapitalization, guide rail maintenance and minor drainage issues.

Total Capital Request: (5 Years) \$

17,500,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,500,000	3,000,000	4,000,000	4,000,000	4,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,500,000	3,000,000	4,000,000	4,000,000	4,000,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Asphalt repairs (spreader patching, skin patching, etc.)	1,250,000
Bridges(concrete, rails, timber, washing expansion joints and flushing drainage systems)	300,000
Sidewalk slab replacement, curb repairs	750,000
Drainage projects	200,000
	-
Total Estimated Work Plan 2016/17	2,500,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	2,500,000

2016/2017 Capital Budget Form

Project Name:	Sidewalk Renewals
Project Number:	CKU01084
Business Unit:	Transportation & Public Works
Project Manager:	David Hubley
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

Sidewalks are rated on a three year cycle to identify defective slabs. Sidewalk Renewal Projects are selected based on % defective and integration opportunities with other road related projects.

Total Capital Request: (5 Years) \$

17,250,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	3,000,000	3,500,000	3,500,000	3,500,000	3,750,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	3,000,000	3,500,000	3,500,000	3,500,000	3,750,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Detailed Work Plan on next page	3,150,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	3,150,000
Less Projected Carry Forward from Previous Years	150,000
Gross Budget Request for 2016/17	3,000,000

Capital Project Supplementary Report

Project Name: Sidewalk Renewal				Project # CKU01084	
PROJECT/LOCATION	FROM	TO	DIRECTION	DISTRICT	ESTIMATE
Pleasant St	Stephen	Civic 270	W	5	\$180,000
Alderney Dr	Queen	Portland	N	5	\$50,000
Prince St	Alderney	Portland	W/E	5	\$160,000
Strath Ln	Raymoor	Helene	N	6	\$20,000
Barrington St	Duke	Blowers	W/E	7	\$225,000
Spring Garden Rd	Martello	Summer	E	7	\$65,000
Preston St	Watt	Payzant	E	7	\$20,000
Preston St	Quinpool	Pepperell	W/E	7	\$40,000
Cogswell St	North Park	Robie	S	7	\$195,000
Robie St	Young	Livingstone	W	8	\$160,000
Vestry St	Novalea	St Paul's	N	8	\$35,000
Vestry St	Albert	Lynch	S	8	\$40,000
Vestry St	Novalea	Barrington	S	8	\$200,000
Devonshire Ave	Kaye	Russell	S	8	\$40,000
Devonshire Ave	Richmond	Albert	N	8	\$45,000
Kempt Rd	Commission	Livingstone	N/E	8	\$375,000
Almon St	Robie	Civic 6034	S	8	\$25,000
Almon St	Robie	Civic 6055	N	8	\$60,000
Almon St	Gottingen	Isleville	S	8	\$115,000
Connolly St	Summit	Vienna	E	9	\$40,000
Connolly St	Almon	Berlin	W	9	\$45,000
Connolly St	Edinburgh	Almon	E	9	\$35,000
Connolly St	Cork	Liverpool	W/E	9	\$85,000
Connolly St	Bayers	Young	W/E	9	\$110,000
St Margaret's Bay Rd	Quarry	Ferndale	S	9	\$245,000
Leiblin Dr	Rockingstone	Emerald	S	11	\$280,000
Bedford Hwy	North Mall Ent	Oakmount	E	16	\$60,000
SW Inspection					\$160,000
P1 Replacement					\$40,000
					Total Estimate
					\$3,150,000
Summary of Budget Breakdown:					
2016/17 Sidewalk Renewal Budget					\$3,000,000
Surplus from previously approved Accounts					\$150,000
					Total Budget \$3,150,000
Potential Projects List					
Newcastle Rd	Old Ferry	Civic 95	E	5	TBD
Newcastle Rd	Old Ferry	Pleasant	W	5	TBD
North St	Chebucto	Oxford	S	8	\$25,000
Dentith Rd	Lanark	Superstore Ent	W	11	\$80,000
Dentith Rd	Lanark	Herring Cove	W	11	\$30,000

2016/2017 Capital Budget Form

Project Name:	Street Recapitalization
Project Number:	CRO00005
Business Unit:	Transportation & Public Works
Project Manager:	David Hubley
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Roads & Active Transportation

Project Summary:

The projects included in the Street Recapitalization account include street renewal, street resurfacing, asphalt overlays, micro surfacing, patching and crack sealing. The projects are selected based on a set of criteria which include Surface Distress Index (SDI), integration opportunities with other stakeholders, etc. PP&D has recently hired Opus Consultants to complete a long term investment strategy for our pavements. Their recommended investments in our pavements is in excess of \$330,000,000 over the next 10 years.

Total Capital Request: (5 Years) \$

155,100,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	30,100,000	30,000,000	30,000,000	32,000,000	33,000,000
Funding Source:					
Private Cost Sharing	200,000	-	-	-	-
		-	-	-	-
Total Funding:	200,000	-	-	-	-
Net budget:	29,900,000	30,000,000	30,000,000	32,000,000	33,000,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Detail on following page	30,900,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	30,900,000
Less Projected Carry Forward from Previous Years	800,000
Gross Budget Request for 2016/17	30,100,000

Capital Project Supplementary Report

Project Name: Street Recapitalization			Project # CR000005	
PROJECT/LOCATION	FROM	TO	DISTRICT	ESTIMATE
Lockview Rd	Limestone	Old Lockview	1	\$345,000
Old Lockview Crt	Lockview	End	1	\$95,000
Miller Lake Rd	Trunk 2	End	1	\$330,000
Brompton Rd	Elswick	End	3	\$240,000
Elswick St	Everette	Brompton	3	\$160,000
Everette St	Pleasant	Elswick	3	\$545,000
Bissett Lake Rd	Bissett	End	4	\$235,000
Cole Harbour Rd*	Bissett	Ross	4	\$1,175,000
Riley Rd	Trunk 7	Cherry Brook	4	\$285,000
Smallwood Ave	Gander	Serpentine	4	\$175,000
Gander Ave	Montague	Smallwood	4	\$380,000
Alderney Dr (N)	King	Ochterloney	5	\$245,000
Alderney Dr (S)	Ochterloney	Kings Wharf	5	\$170,000
Murray Hill Dr	Wyndholme	Summit	5	\$290,000
View St	Murray Hill	Murray Hill	5	\$115,000
Beckfoot Dr	Peddars Way	End	5	\$395,000
Peddars Way	Manor	Oathill	5	\$300,000
Strath Ln	Caledonia	Helene	6	\$500,000
Westwood Dr	Caledonia	End	6	\$300,000
Perth Dr	Strath	Westwood	6	\$85,000
Courtney Rd	Alfred	Windmill	6	\$250,000
Alfred St	Courtney	End	6	\$245,000
Farquharson St	Shawinigan	End	6	\$370,000
Landrace Cres	Clysdale	End	6	\$665,000
Cogswell St	Quinpool	Brunswick	7	\$835,000
Barrington St	Duke	Blowers	7	\$395,000
Spring Garden Rd	Barrington	Summer	7	\$620,000
Preston St	Quinpool	Payzant	7	\$620,000
Vestry St	Novalea	Barrington	8	\$220,000
Devonshire Ave	Barrington	Duffus	8	\$855,000
Almon St	Oxford	Gottingen	8	\$465,000
Kempt Rd	Commission	Young	8	\$485,000
Robie St	Livingstone	Young	8	\$170,000
Windsor St	Bayers	Cork	8	\$105,000
Bayers Rd	Windsor	Oxford	8	\$245,000
Connolly St	Chebucto	Bayers	9	\$320,000
St Margaret's Bay Rd	Quarry	Douglas	9	\$320,000
George Dauphinee Ave	Bayers	2731 Ralph Devlin	9	\$585,000
Inverness Ave	Purcell's Cove	Redwood	9	\$345,000
Birch Cove Ln	Kearney Lake	End	10	\$255,000
Dickson Ave	Woodbury	End	10	\$150,000
Scarlet Rd	Gateway	Parmbelle	10	\$385,000
Fox Glove Ln	Scarlet	End	10	\$170,000

Capital Project Supplementary Report

Project Name: Street Recapitalization			Project # CR000005	
Parmbelle Ln	Scarlet	Scarlet	10	\$225,000
Herring Cove Rd	Sarah	Hebridean	11	\$645,000
St Margaret's Bay Rd	Sheppard's	NSTIR Limits	12	\$165,000
Riverwood Dr	Eisener	Sprucewood (2nd leg)	12	\$525,000
Hammonds Plains Rd*	Lucasville	Kingswood	13	\$1,500,000
Jubilee Ln	Sackville	End	14	\$410,000
Baker Dr	Jubilee	Civic 23	14	\$130,000
Jubilee Crt	Jubilee	End	14	\$150,000
Second Ave	Jubilee	First	14	\$140,000
Tillock Dr	McDougall	Prince	15	\$360,000
Tillock Crt	Tillock	End	15	\$130,000
Lydgate Dr	Metropolitan	Lumsden	15	\$175,000
Lynnville Dr	Lennox	Lydgate	15	\$265,000
Glendale Dr	Riverside	150 m SE McDougall	15	\$475,000
Doyle St	Hammonds Plains	Landsburg	16	\$645,000
Bedford Hwy	Hwy 102	Rocky Lake	16	\$665,000
Lewis Dr	Hammonds Plains	Bernard	16	\$245,000
Bernard St	Olive	Lewis	16	\$60,000
		Total Rehab		\$22,350,000
				Asphalt Overlays
				\$3,400,000
				Micro Surfacing
				\$2,500,000
				Chip Seal
				\$450,000
				Crack sealing
				\$475,000
				Street Planer Patching
				\$1,725,000
			Total Estimate	\$30,900,000
Summary of Budget Breakdown:				
2016/17 Street Recapitalization Budget				\$29,900,000
Surplus from previously approved Accounts				\$800,000
Pavement Impact Funds				\$200,000
			Total Budget	\$30,900,000
Potential Projects List				
Montague Rd	Civic 1206	Montague Mines	1	\$405,000
Prince Albert Rd	Ochterloney	Hawthorne	5	\$145,000
Prince Albert Rd	Sinclair	Glenwood	5	\$225,000
Newcastle St	Old Ferry	Pleasant	5	TBD
Columbus St	Kempt	Massachusetts	8	\$160,000
Stairs St	Kempt	Massachusetts	8	\$115,000
First Lake Dr	Crimson	Cobequid	15	TBD

*Paved Shoulder

**5-Year Gross Capital Budget
Solid Waste**

	Budget Category	Project #	2016	2017	2018	2019	2020
Page	Solid Waste						
G1	Composting/Anaerobic Digestion (AD) Plant	CW000004	500,000	250,000	-	-	-
G2	Environment Monitoring Site Work 101 Landfill	CWU01353	355,000	100,000	-	-	-
G3	Green Carts for New Residents/Replacement Greencarts	CW000001	500,000	735,000	735,000	735,000	735,000
G4	Half Closure Cell 6 - Otter Lake	CWU01358	2,630,000	-	-	-	-
G5	Materials Recovery Facility Repairs	CW000007	160,000	85,000	-	-	-
G6	New Era Recapitalization	CW000009	500,000	250,000	-	-	-
G7	Rural Depot	CW000003	-	-	-	-	320,000
Solid Waste Total			4,645,000	1,420,000	735,000	735,000	1,055,000

2016/2017 Capital Budget Form

Project Name:	Composting/Anaerobic Digestion (AD) Plant
Project Number:	CW000004
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	Growth
Discrete/Bundled:	Discrete
Budget Category:	Solid Waste

Project Summary:

HRM needs to explore the option of constructing a new organics processing facility, or the expansion of existing facility(s). An Anaerobic Digestion (AD) facility or composting plant to process organics including the wet Industrial, Commercial and Institutional (ICI) stream of organics could be developed to aid or replace one or both of HRM's two existing aerobic composting facilities, which are currently operating at capacity and need to meet revised guidelines for maturity. The ICI organics stream could be handled with an AD or other technology and potentially help in the processing and maturity of the compost produced at the existing aerobic facilities. The costs outlined below will enable a consultant to assist with RFQ/RFP development, review, assessment and scoring; project management during construction, design, siting, regulatory requirements; community consultations and engagement; contract negotiations; legal, and other direct costs for this project. The budget does not include funding for the asset, as staff are currently reviewing a design, build, own, operate and possible transfer procurement model.

Total Capital Request: (5 Years) \$

750,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	250,000		-	-
Funding Source:					
Reserve Q103 - Capital Surplus	500,000		-	-	-
	-	-	-	-	-
Total Funding:	500,000	-	-	-	-
Net budget:	-	250,000	-	-	-

Ongoing Operating Costs

Annual Revenues:

Annual Operating Costs:

Net Annual Operating Costs:

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

If approved, would start with consultant assistance in RFQ/RFP development, review, assessment and scoring; project management during construction, design, siting, regulatory requirements	500,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	500,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	500,000

2016/2017 Capital Budget Form

Project Name:	Environment Monitoring Site Work 101 Landfill
Project Number:	CWU01353
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Solid Waste

Project Summary:

To ensure the site continues to meet all of the requirements of a closed landfill, this work will include water monitoring, site maintenance and repair on a priority basis to meet all requirements of a closed landfill including site regulatory approval requirements. The current engineering and monitoring firm has identified this work to include erosion control, cap and leachate system improvements and inspections of site infrastructure.

Total Capital Request: (5 Years) \$ 455,000

Supports Outcome Area: Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Design

How advanced are the budget estimates? Class D, C, B or A Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	355,000	100,000	-	-	-
Funding Source:					
Reserve Q119 - Sackville Landfill Closure	355,000	100,000	-	-	-
	-	-	-	-	-
Total Funding:	355,000	100,000	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Water monitoring, site maintenance and repair to meet all requirements of a closed landfill including site regulatory approval requirements. The work also includes: erosion control, cap and leachate system improvements and inspections of site infrastructure.	355,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	355,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	355,000

2016/2017 Capital Budget Form

Project Name:	Green Carts for New Residents/Replacement Greencarts
Project Number:	CW000001
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	Growth
Discrete/Bundled:	Bundled
Budget Category:	Solid Waste

Project Summary:

This project includes the supply and delivery of organics green carts to newly constructed homes and the ongoing replacement of damaged and/or worn out carts. A cart is provided to each dwelling eligible for curbside solid waste collection based on the number of units. Contingency has been built in to budget to account for unpredictable demand for carts (as they age), and the potential for increases in resin prices, which in turn, can increase unit cost.

Total Capital Request: (5 Years) \$

3,440,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	735,000	735,000	735,000	735,000
Funding Source:					
Reserve Q123 - Waste Resources	500,000	735,000	735,000	735,000	735,000
	-	-	-	-	-
Total Funding:	500,000	735,000	735,000	735,000	735,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	175,000	175,000	175,000	175,000	175,000
Net Annual Operating Costs:	175,000	175,000	175,000	175,000	175,000

Detailed Work Plan 2016/17:

Estimate

Procurement of new carts to new homes and ongoing replacement of damaged or worn out carts.	500,000
The unit price of the green carts is approximately \$75-80 and the actual quantity is based on the demand.	-
	-
	-
	-
Total Estimated Work Plan 2016/17	500,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	500,000

2016/2017 Capital Budget Form

Project Name:	Half Closure Cell 6 - Otter Lake
Project Number:	CWU01358
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	State of Good Repair
Discrete/Bundled:	Discrete
Budget Category:	Solid Waste

Project Summary:

The installation of landfill gas collection system and partial staged capping of landfill cell, and permanent cap of a fully utilized landfill cell. This staged closure is anticipated to reduce the maintenance required for the gas collection system, improve the capture of landfill gas, reduce the potential for odours, and will reduce the amount of leachate generated from this cell. This estimate is based on the budget submitted by MIRROR NS on July 25, 2014. Provision for Cell Construction and Closure is provided for in the 1997 HRM and MIRROR NS Agreement in Section 15.

Total Capital Request: (5 Years) \$

2,630,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Tender Ready

How advanced are the budget estimates? Class D, C, B or A

Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,630,000	-	-	-	-
Funding Source:					
Reserve Q120 - Otter Lake Landfill Closure	2,630,000	-	-	-	-
	-	-	-	-	-
Total Funding:	2,630,000	-	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

Annual Revenues:

Annual Operating Costs:

Net Annual Operating Costs:

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Complete cap of Cell 6 to include final geomembrane cover, borrow pit development and gas system.	2,630,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	2,630,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	2,630,000

2016/2017 Capital Budget Form

Project Name:	Materials Recovery Facility Repairs
Project Number:	CW000007
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Solid Waste

Project Summary:

The facility repairs to the Materials Recovery Facility (Halifax owned Recycling Plant) located at 20 Horseshoe Lake Dr., Bayer's Lake Business Park. Repairs and capital maintenance identified as part of a building assessment include work on columns, concrete slab, roof, windows, and overhead doors.

Total Capital Request: (5 Years) \$

Supports Outcome Area:

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

How advanced are the budget estimates? Class D, C, B or A

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	160,000	85,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	160,000	85,000	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Work on 4 columns, second floor windows, phased overhead door replacement and roof upgrade.	160,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	160,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	160,000

2016/2017 Capital Budget Form

Project Name:	New Era Recapitalization
Project Number:	CW000009
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Solid Waste

Project Summary:

The facility repairs to the New Era Composting Facility (Halifax owned Composting Facility) located at 61 Evergreen Place, Ragged Lake Business Park. Repairs and capital maintenance identified as part of a building assessment and the site operator include structural work, corrosion protection and other repairs to the receiving building, curing building and screening building.

Total Capital Request: (5 Years) \$

750,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	250,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	500,000	250,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Anticipated work involves structural work on the corroded girts, base plates, bracing and cladding for the	500,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	500,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	500,000

2016/2017 Capital Budget Form

Project Name:	Rural Depot
Project Number:	CW000003
Business Unit:	Transportation & Public Works
Project Manager:	Barry Nickerson
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Solid Waste

Project Summary:

Trailers service the two Rural Refuse Depots in Sheet Harbour and Middle Musquodoboit where refuse loads are consolidated prior to transport to the Otter Lake Facilities. They should be on a maximum ten year replacement schedule. There are currently six units in the fleet, the two 2010 Spector trailers and the two 2014 Spector trailers will be replaced in this period. In addition there are capital maintenance costs and upgrades required for this asset.

Total Capital Request: (5 Years) \$

320,000

Supports Outcome Area:

Financial Responsibility (Strategic Pillar)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

N/A

How advanced are the budget estimates? Class D, C, B or A

Class 'B'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	-	-	-	320,000
Funding Source:					
Reserve Q123 - Waste Resources	-	-	-	-	320,000
	-	-	-	-	-
Total Funding:	-	-	-	-	320,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

**5-Year Gross Capital Budget
Traffic Improvements**

	Budget Category	Project #	2016	2017	2018	2019	2020
Page	Traffic Improvements						
H1	Cogswell Interchange Redevelopment	CT000007	3,000,000	15,000,000	23,000,000	20,000,000	-
H2	Controller Cabinet and Detection Program	CT000004	500,000	510,000	520,000	530,000	530,000
H3	Destination Signage Program	CTR00904	100,000	100,000	100,000	100,000	-
H4	Downtown Streetscapes - Capital Improvement Campaign	CD000002	10,200,000	3,400,000	3,400,000	-	-
H5	Herring Cove Road Widening	CTX01116	300,000	-	-	-	-
H6	Intersection Improvement Program	CTU01086	1,365,000	2,700,000	2,900,000	2,900,000	3,000,000
H7	LED Conversion of HRM Streetlights	CT000005	21,040,000	4,465,000	-	-	-
H8	MacLennan Drive	CTU01365	200,000	-	-	1,850,000	1,850,000
H9	Margeson Drive	CTU01287	-	3,100,000	-	-	-
H10	Road Corridor Land Acquisition	CTU00897	100,000	100,000	100,000	100,000	100,000
H11	Street Lighting	CRU00792	720,000	225,000	230,000	235,000	235,000
H12	Streetscaping in Center Hubs and Corridors	CDV00734	-	1,000,000	1,000,000	1,000,000	1,000,000
H13	Traffic Signal Installation	CTU01085	100,000	750,000	750,000	750,000	750,000
H14	Traffic Signal Rehabilitation	CTU00419	2,000,000	660,000	670,000	680,000	680,000
H15	Traffic Signal Re-lamping Program	CT000002	500,000	510,000	520,000	-	-
Traffic Improvements Total			40,125,000	32,520,000	33,190,000	28,145,000	8,145,000

2016/2017 Capital Budget Form

Project Name:	Cogswell Interchange Redevelopment
Project Number:	CT000007
Business Unit:	Operations Support
Project Manager:	John Spinelli
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Traffic Improvements

Project Summary:

This project will include the removal of the existing Cogswell area roadways, bridges, elevated structures, walls and underground infrastructure systems. Installation of new roadways, roundabouts and realignment of existing streets to facilitate improvement of vehicle, pedestrian and bicycle flows. Creation of several public park spaces with the new availability of land parcels created from the Cogswell Redevelopment Program while maintaining harbour views as well as improving waterfront connectivity. The program will improve circulation into and out of the downtown area as well as provide a link from the downtown area to the north end. Creation of several land parcels for development of high value residential/mixed-use facilities by 3rd party developers. The layout of these areas shall conform to the existing small block footprint which will maintain and extend the existing urban structure concepts. The phased release of these land parcels should substantially contribute to the ongoing construction costs for the Cogswell program .

Total Capital Request: (5 Years) \$

61,000,000

Supports Outcome Area:

Economic Development (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	3,000,000	15,000,000	23,000,000	20,000,000	-
Funding Source:					
Reserve Q146 - Planned Strategic Projects	3,000,000	15,000,000	23,000,000	20,000,000	-
	-	-	-	-	-
Total Funding:	3,000,000	15,000,000	23,000,000	20,000,000	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Internal staffing allocations	600,000
3rd party external consultants	150,000
Construction site office start-up and operating costs	125,000
Prime Design Consultant costs	1,850,000
Issue RFP & engage Constructor	275,000
	-
	-
Total Estimated Work Plan 2016/17	3,000,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	3,000,000

2016/2017 Capital Budget Form

Project Name:	Controller Cabinet and Detection Program
Project Number:	CT000004
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

Controller cabinets hold the electronic components that operate traffic signals. Many cabinets have reached their life expectancy and/or are not adequate to hold the components required to run current systems such as conflict detection, communication, phasing plans and the Opticom emergency vehicle detection system. This project will also include the installation and maintenance of vehicle and pedestrian detection equipment such as: inductive loops, cameras, and accessible pedestrian signals. Detection equipment is a key component to optimize the traffic signal network.

Total Capital Request: (5 Years) \$

2,590,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	510,000	520,000	530,000	530,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	500,000	510,000	520,000	530,000	530,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Replacement of 7 controller/cabinet assemblies	140,000
Installation of 5 accessible pedestrian signals	50,000
Installation of new detection equipment	160,000
Contingency fund to address detection equipment replacement due to failure	150,000
	-
Total Estimated Work Plan 2016/17	500,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	500,000

2016/2017 Capital Budget Form

Project Name:	Destination Signage Program
Project Number:	CTR00904
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

This project includes the inspection, maintenance and installation of overhead traffic sign infrastructure such as lane use, guide and destination signs, which provide directional guidance to motorists. A detailed inspection of all sign truss structures is carried out every five years.

Total Capital Request: (5 Years) \$

400,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	100,000	100,000	100,000	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	100,000	100,000	100,000	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Replacement of Truss Structure on Barrington Street at MacKay Bridge Interchange approach	320,000
Miscellaneous repairs	120,000
	-
	-
	-
Total Estimated Work Plan 2016/17	440,000
Less Projected Carry Forward from Previous Years	340,000
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	Downtown Streetscapes - Capital Improvement Campaign
Project Number:	CD000002
Business Unit:	Planning & Development
Project Manager:	Jacob Ritchie
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

Streetscapes projects aim to improve the public realm on prominent, commercial oriented streets in our Downtowns. The projects help achieve the goal of attracting increased investment and residents to the Regional Centre through careful design that improves the environment for all users of the street; pedestrians, drivers, cyclists, and business owners.

A Report and Recommendation was considered at Regional Council on July 21st, 2015 that recommended direction based on feedback from the other levels of government in response our applications. This direction was that HRM begin advancing top priority streetscaping projects on Argyle Street & Spring Garden Road without matching funds. Opportunities for matching funds for these projects are still being investigated.

Based on recommendation of Council, staff has advanced schematic design and business cases for Argyle Street and Spring Garden Road projects that will be presented to council in Winter 2016. The intent is to complete the tender and construction of the Argyle Street project in 2016.

Total Capital Request: (5 Years) \$

17,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	10,200,000	3,400,000	3,400,000	-	-
Funding Source:					
Reserve Q146 - Planned Strategic Projects	10,200,000	3,400,000	3,400,000	-	-
	-	-	-	-	-
Total Funding:	10,200,000	3,400,000	3,400,000	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Complete Design, July 2016	500,000
Construction tendered August 2016 and complete in December 2016	9,700,000
	-
	-
Total Estimated Work Plan 2016/17	10,200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	10,200,000

2016/2017 Capital Budget Form

Project Name:	Herring Cove Road Widening
Project Number:	CTX01116
Business Unit:	Planning & Development
Project Manager:	Dave McCusker
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Traffic Improvements

Project Summary:

The Regional Plan projects increased traffic demand on Herring Cove and a need for additional street capacity. Phase 1 of the project consists of implementing short-term improvement to the section between Purcell's Cove Road and the Armdale Roundabout. The design work for this phase will be completed in 2015.

Total Capital Request: (5 Years) \$

300,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	300,000	-	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	300,000	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Construction tender for modifications to the intersection approaches at Purcell's Cove Rd and Armdale Roundabout	500,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	500,000
Less Projected Carry Forward from Previous Years	200,000
Gross Budget Request for 2016/17	300,000

2016/2017 Capital Budget Form

Project Name:	Intersection Improvement Program
Project Number:	CTU01086
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

Relatively significant improvements in safety and operation can be achieved at an intersection or specific roadway sections, with minor reconfiguration or lane use changes. This budget also includes the addition of pedestrian ramps at marked crosswalks to improve pedestrian connectivity.

Total Capital Request: (5 Years) \$ 12,865,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Concept

How advanced are the budget estimates? Class D, C, B or A Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	1,365,000	2,700,000	2,900,000	2,900,000	3,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	1,365,000	2,700,000	2,900,000	2,900,000	3,000,000

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Gottingen at Cogswell - addition of right turn lane, traffic signal upgrades	600,000
Hammonds Plains/Crestfield - left turn lane	300,000
Fall River/Trunk 2 - extend right turn lane (not confirmed)	300,000
Traffic calming measures	50,000
Windsor/Cunard/Chebucto - preliminary design	150,000
Misc. minor improvements (pedestrian ramps) and contingency	165,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	1,565,000
Less Projected Carry Forward from Previous Years	200,000
Gross Budget Request for 2016/17	1,365,000

2016/2017 Capital Budget Form

Project Name:	LED Conversion of HRM Streetlights
Project Number:	CT000005
Business Unit:	Transportation & Public Works
Project Manager:	Angus Doyle
Project Type:	Service Improvements
Discrete/Bundled:	Discrete
Budget Category:	Traffic Improvements

Project Summary:

Converting streetlights to LED technology will provide the Municipality with significant operational savings due to their energy efficiency and low maintenance. The fundamentals of the business case are built on the annual operating savings. It was determined that this conversion could be funded through these future savings from the more energy efficient streetlights, which would be banked over time as it was realized. The 2015/16 annual budget for energy and maintenance costs associated with street lighting is \$6.5M and estimated to grow by 3% annually using existing technology. Reserve Q327 was established in May 2013 in order to allow for energy and maintenance savings to be redirected to fund this project. This Capital budget form is for informational purposes only. Regional Council approved the budget to reflect a 2 year implementation plan for the LED conversion on June 2, 2015

Total Capital Request: (5 Years) \$ 25,505,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured Permits and Approvals Secured

How advanced are the budget estimates? Class D, C, B or A Class 'A'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	21,040,000	4,465,000	-	-	-
Funding Source:					
Other	21,040,000	4,465,000	-	-	-
	-	-	-	-	-
Total Funding:	21,040,000	4,465,000	-	-	-
Net budget:	-	-	-	-	-

Ongoing Operating Costs	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
The majority of locations are planned to be completed in 2016/17	21,040,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	21,040,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	21,040,000

2016/2017 Capital Budget Form

Project Name: MacLennan Drive
Project Number: CTU01365
Business Unit: Planning & Development
Project Manager: Dave McCusker
Project Type: Service Improvements
Discrete/Bundled: Discrete
Budget Category: Traffic Improvements

Project Summary:

MacLennan Drive was planned as a collector roadway for Middle and Upper Sackville as far back as 2000. The first phase of this work is a two-lane rural collector road extending from Margeson Drive to Rosemary Drive (1.0 km). The engineering design work will occur in 2016/17 with construction planned for 2019/20. Undertaking the functional engineering design work well in advance of the planned tender date is beneficial in providing lead time to resolve property or environmental issues and will position the municipality well for infrastructure funding programs.

Total Capital Request: (5 Years) \$

3,900,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	200,000	-	-	1,850,000	1,850,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	200,000	-	-	1,850,000	1,850,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-		-
Annual Operating Costs:	-	-	-	6,000	-
Net Annual Operating Costs:	-	-	-	6,000	-

Detailed Work Plan 2016/17:

	Estimate
Engage engineering consultant to prepare functional design	200,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	200,000

2016/2017 Capital Budget Form

Project Name: Margeson Drive
Project Number: CTU01287
Business Unit: Planning & Development
Project Manager: Dave McCusker
Project Type: Service Improvements
Discrete/Bundled: Discrete
Budget Category: Traffic Improvements

Project Summary:

Margeson Drive was identified as a regional collector road by the Province in the 1990's and responsibility for it was transferred to HRM in 2001. Sections of Margeson Drive have already been constructed between Trunk 1 and Highway 101 including an interchange opened in 2011. The next phase involves a 1.1 km section running from the Indigo Shores development southward to Stonewick Cross including a new bridge crossing of the Sackville River. Engineering Design work is underway now with plans for a tender to be issued in Spring 2017 with project completion in 2018. Initiation of this project is contingent on approval by Regional Council of the Road Network Priorities Plan

Total Capital Request: (5 Years) \$

3,100,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Design

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	3,100,000	-	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	3,100,000	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	4,000	-	-	-
Net Annual Operating Costs:	-	4,000	-	-	-

Detailed Work Plan 2016/17:

Estimate

	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	-
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Road Corridor Land Acquisition
Project Number:	CTU00897
Business Unit:	Planning & Development
Project Manager:	Dave McCusker
Project Type:	Growth
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

The Road Network, Active Transportation and Parking Priorities Plan give direction on both short-term and longer-term requirements for the Transportation Network. On occasion, acquisition of land is needed to secure corridors and sites for longer-term road and other transportation projects identified in these plans and for other road projects approved by Regional Council. Properties needed are often purchased only when an opportunity arises and always with the approval of Regional Council.

Total Capital Request: (5 Years) \$

500,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	100,000	100,000	100,000	100,000
Funding Source:					
Reserve Q101 - Sale of Capital Assets	100,000	100,000	100,000	100,000	100,000
	-	-	-	-	-
Total Funding:	100,000	100,000	100,000	100,000	100,000
Net budget:	-	-	-	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Opportunity account to purchase strategic properties as they become available	100,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	100,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	Street Lighting
Project Number:	CRU00792
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

The Municipality has been active in developing a street light guideline that reflects: consistent application of recommended lighting design standards; recognition of impacts resulting from obtrusive lighting; improvement of urban design through uniform lighting installations; and reduction of energy consumption through utilization of energy efficient technologies. This project deals with the replacement and maintenance of street light infrastructure.

Total Capital Request: (5 Years) \$

1,645,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'C'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	720,000	225,000	230,000	235,000	235,000
Funding Source:	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	720,000	225,000	230,000	235,000	235,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Fairview Overpass High Mast Lighting	850,000
Replacement of 5 power enclosures	80,000
Replacement of 10 ornamental poles	30,000
Installation of 7 new street light poles	20,000
Purchase of 30 LED street light fixtures	20,000
Contingency to address unanticipated failures	70,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	1,070,000
Less Projected Carry Forward from Previous Years	350,000
Gross Budget Request for 2016/17	720,000

2016/2017 Capital Budget Form

Project Name:	Streetscaping in Center Hubs and Corridors
Project Number:	CDV00734
Business Unit:	Planning & Development
Project Manager:	Jacob Ritchie
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

The Regional Streetscape projects were intended to improve the appearance and functionality of three specific commercial "Hubs and Corridors" outside the Regional Centre. The boundaries of the three streetscapes in Sackville, Dartmouth, and Spryfield generally coincide with the three associated BID boundaries.

Streetscaping projects generally include improvements such as lighting, benches, signage, pocket parks and minor functional improvements to traffic and transit. In the Centre Hubs and Corridors outside the Regional Centre these streetscaping plans all stemmed from "Main Streets Plans" for the areas.

Total Capital Request: (5 Years) \$

4,000,000

Supports Outcome Area:

Healthy Communities (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	-	1,000,000	1,000,000	1,000,000	1,000,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	-	1,000,000	1,000,000	1,000,000	1,000,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Investigation/ Plan for Future Capital Projects in Centre Hubs & Corridors	200,000
Final Herring Cove Improvements from Existing Plan	200,000
Final Main Street Improvements from Existing Plan	200,000
Final Sackville Drive Improvements from Existing Plan	200,000
	-
Total Estimated Work Plan 2016/17	800,000
Less Projected Carry Forward from Previous Years	800,000
Gross Budget Request for 2016/17	-

2016/2017 Capital Budget Form

Project Name:	Traffic Signal Installation
Project Number:	CTU01085
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	Service Improvements
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

The requirement for the installation of new traffic control such as traffic signals and crosswalk lights is based on guidelines and technical warrants established by the Transportation Association of Canada. These devices are installed to appropriately assign the right of way at intersections and to address public safety concerns.

Total Capital Request: (5 Years) \$

3,100,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	100,000	750,000	750,000	750,000	750,000
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	100,000	750,000	750,000	750,000	750,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

St Margaret's Bay Road (Sheppard's Run to NSTIR Limits) - RA-5 crosswalk light crosswalk lights.	50,000
Baker Drive at Freshwater Trail - RA-5 crosswalk light	50,000
Chebucto Rd (Connaught Ave to Mumford Rd) - RA-5 crosswalk light	50,000
Contingency to address unanticipated minor signalization such as new traffic signal phases or new crosswalk lights.	50,000
	-
	-
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	200,000
Less Projected Carry Forward from Previous Years	100,000
Gross Budget Request for 2016/17	100,000

2016/2017 Capital Budget Form

Project Name:	Traffic Signal Rehabilitation
Project Number:	CTU00419
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

HRM owns and operates approximately 267 traffic signals and 180 RA-5 crosswalk lights. An ongoing rehabilitation program is required so that these installations provide adequate traffic control service and are structurally sound so they will not create an on-street hazard. The objective of this program is to achieve a sustainable level of structural and operation soundness for the HRM's inventory of traffic signal hardware.

Total Capital Request: (5 Years) \$ 4,690,000

Supports Outcome Area: Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured **Concept**

How advanced are the budget estimates? Class D, C, B or A **Class 'D'**

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	2,000,000	660,000	670,000	680,000	680,000

Funding Source:	2016/17	2017/18	2018/19	2019/20	2020/21
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	2,000,000	660,000	670,000	680,000	680,000

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

	Estimate
Victoria/Primrose	180,000
Robie/Inglis	180,000
Robie/South	200,000
Spring Garden/South Park	225,000
Spring Garden/Dresden	225,000
Halifax downtown - upgrade wiring	200,000
Windsor/Almon	200,000
Agricola/Almon	200,000
Crosswalk Light (RA-5) upgrades - various locations	300,000
Contingency to address unanticipated failures	90,000
	-
	-
Total Estimated Work Plan 2016/17	2,000,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	2,000,000

2016/2017 Capital Budget Form

Project Name:	Traffic Signal Re-lamping Program
Project Number:	CT000002
Business Unit:	Transportation & Public Works
Project Manager:	Taso Koutroulakis
Project Type:	State of Good Repair
Discrete/Bundled:	Bundled
Budget Category:	Traffic Improvements

Project Summary:

The traffic signal network utilizes LED lights. One of the many benefits is the reduction in electricity costs of approximately 85% compared to the use of incandescent lamps. Although it is quite unusual for an LED light to completely fail in comparison to an incandescent lamp, the light levels do decline over time. This project is for the systematic replacement of LED lights to ensure that minimum light levels are maintained.

Total Capital Request: (5 Years) \$

1,530,000

Supports Outcome Area:

Transportation (Council Priority)

Project Status a) concept; b) design; c) tender ready; or d) permits and approvals secured

Concept

How advanced are the budget estimates? Class D, C, B or A

Class 'D'

CAPITAL COSTS - Cash Flow

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Gross Budget:	500,000	510,000	520,000	-	-
Funding Source:					
	-	-	-	-	-
	-	-	-	-	-
Total Funding:	-	-	-	-	-
Net budget:	500,000	510,000	520,000	-	-

Ongoing Operating Costs

	2016/17	2017/18	2018/19	2019/20	2020/21
Annual Revenues:	-	-	-	-	-
Annual Operating Costs:	-	-	-	-	-
Net Annual Operating Costs:	-	-	-	-	-

Detailed Work Plan 2016/17:

Estimate

Re-lamp approximately 83 signalized intersections.	500,000
	-
	-
	-
	-
Total Estimated Work Plan 2016/17	500,000
Less Projected Carry Forward from Previous Years	-
Gross Budget Request for 2016/17	500,000