



Transportation,  
Infrastructure and Energy

# ANNUAL REPORT

2016-2017





The Honourable Antoinette Perry  
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation, Infrastructure and Energy for the period April 1, 2016 to March 31, 2017.

Respectfully submitted,

A handwritten signature in black ink, reading "Paula Biggar".

Hon. Paula Biggar  
Minister



The Honourable Paula Biggar  
Minister  
Department of Transportation, Infrastructure and Energy  
Province of Prince Edward Island

Madam:

I am pleased to submit to you the Annual Report of the Department of Transportation, Infrastructure and Energy for the period April 1, 2016 to March 31, 2017.

The activities of the respective divisions are recounted in the following pages of the Report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "D. Chaisson".

Darren Chaisson, Eng.  
Deputy Minister

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DEPARTMENT OF TRANSPORTATION,  
INFRASTRUCTURE AND ENERGY

The established **Mandate** of the Department of Transportation, Infrastructure and Energy is:

*Through the provision of essential transportation and infrastructure systems and services, the Department is committed to improving safety for citizens, contributing to the quality of life on PEI, and enabling the provincial economy.*

*To accomplish this mandate, the Department:*

*Provides quality and timely advice to the Government of Prince Edward Island on all matters related to transportation and infrastructure services;*

*Maintains the provincial highway network to the highest standard through construction and maintenance of the network in the safest, most cost effective, and environmentally responsible manner possible;*

*Establishes partnerships with all levels of government and other jurisdictions to secure funding and develop agreements that synchronize with the Province's transportation, infrastructure and service priorities;*

*Provides quality services to Government in the areas of building construction, Crown land management, building maintenance and accommodations; and,*

*Pursues policies and strategic initiatives to sustain and enhance the Province's economic growth and development.*

This mandate is further quantified in the **Mission Statement** which indicates the role of the Department is to:

***Serve the public and government by providing professional services to develop, deliver, operate and maintain public infrastructure in a manner that emphasizes quality, safety, cost-effectiveness and environmental responsibility.***

The **Vision** for the Department is stated as follows:

***Transportation, Infrastructure and Energy - Leading in the Delivery of Safe and Efficient Infrastructure and Services.***

## LEGISLATIVE RESPONSIBILITIES

- ◆ *Advisory Council on the Status of Women Act*
- ◆ *Architects Act*
- ◆ *Crown Building Corporation Act*
- ◆ *Dangerous Goods (Transportation) Act*
- ◆ *Energy Corporation Act*
- ◆ *Engineering Profession Act*
- ◆ *Expropriation Act*
- ◆ *Highway Traffic Act*
- ◆ *Institute of Man and Resources Act*
- ◆ *Land Survey Act*
- ◆ *Land Surveyors Act*
- ◆ *Mineral Resources Act*
- ◆ *Off-Highway Vehicle Act*
- ◆ *Oil and Natural Gas Act*
- ◆ *Public Works Act*
- ◆ *Renewable Energy Act*
- ◆ *Roads Act*

## **Department of Transportation, Infrastructure and Energy**

### **Personnel**

Minister  
Administrative Assistant  
Deputy Minister  
Administrative Assistant

Hon. Paula Biggar  
Bonnie MacDonald  
Darren Chaisson  
Stacey Martin

#### **CORPORATE SERVICES**

Finance  
Human Resources

Wendy MacDonald, Director  
Jason Rendell

#### **HIGHWAY SAFETY & IT**

Highway Safety Operations  
Highway Safety Registration

Graham Miner, Acting Director  
Doug MacEwen  
Graham Miner

#### **PUBLIC WORKS**

Building Design and Construction  
Maintenance and Accommodations

Alan Maynard, Director  
Tyler Richardson  
Holly Hinds

#### **LAND & ENVIRONMENT**

A/Provincial Chief Surveyor  
Properties

Brian Thompson, Director  
Wayne Tremblay  
Carol Craswell

#### **CAPITAL PROJECTS DIVISION**

Western Regional Engineer  
Eastern Regional Engineer  
Materials and Soils  
Highway Design & Bridge Maintenance

Stephen Yeo, Director  
Mark Sherren  
Stephen Pigott  
Terry Kelly  
Darrell Evans

#### **HIGHWAY MAINTENANCE**

Highway Maintenance, Western  
Highway Maintenance, Central  
Highway Maintenance, Eastern  
Mechanical Branch, Fleet Manager  
Mechanical Branch, Western  
Mechanical Branch, Central  
Mechanical Branch, Eastern  
Confederation Trail Maintenance

Stephen Szwarc, Acting Director  
Mike Berrigan  
Gordie Lund  
Gerard Morrison  
Wilf MacDonald  
Clay Moase  
Bruce MacMillan  
Charles MacLaren  
Leo Gill

#### **POLICY & PLANNING**

Paul Godfrey

#### **INFRASTRUCTURE SECRETARIAT**

Paul Godfrey, Acting Director

#### **ACCESS PEI**

Tim Garrity, Director

#### **ENERGY & MINERALS**

Kim Horrelt, Chief Executive  
Officer

## FRENCH LANGUAGE SERVICES IMPLEMENTATION PLAN

The Department continues to respond to the requirements of the *French Language Services Act* through its 2000 implementation plan. With the addition of the Access PEI and Energy divisions it has expanded the scope of service delivery for the department.

Focus continues in the following areas:

- **Awareness**

The Department's obligation to the *French Language Services Act* continues to be incorporated into the daily routine of staff, especially for those responsible for the distribution and release of information to the public, i.e., correspondence, media releases, public notices, etc.

- **Human Resources**

Human Resources are currently approaching the organizational structure to identify positions for potential bilingual designation. These results will be considered in the areas of succession planning and current incumbent training. Interviews have taken place for employees interested in assessing their levels of proficiency in the French language, and others who are new to the language have participated in one-day workshops.

- **Signs**

The same effort that resulted in the Traffic Section of the Capital Projects Division receiving an award in 2001 continues to occur. As existing signage stock is depleted, the format is changed to bilingual. Bilingual directional tabs are now being used on route confirmations and the private road signs for 911 are totally bilingual. Any worded sign manufactured out of the Provincial Sign Shop is produced in a bilingual format.

- **Document Translation**

The Highway Safety Division is one of the larger groups responsible for the distribution and circulation of documentation for public consumption. This group continues to work closely with Acadian and Francophone Affairs to identify essential documentation for translation purposes.

- **Service Delivery**

Access PEI continues to offer bilingual service delivery over the counter at five of the eight sites and is able to offer telephone service at the remaining three sites.

Amy Blanchard-Graham  
French Language Services Coordinator



## **CORPORATE SERVICES DIVISION**

The Corporate Service Division is responsible for the administrative and financial aspects of the Department as well as departmental centralized planning, administrative and records management functions. This includes the following:

- Planning
- Records Management
- Inventory Control Manager
- Department Receptionist
- Support staff

As part of the 2011 Provincial Budget address, the Premier announced that *"Government will examine the feasibility of expanding a shared services model to include other corporate services functions such as Finance, Administration and Human Resource management"*.

Centralization of Corporate Services (Finance & Human Resources) was implemented April 1, 2012 with Civil Service departmental Finance Directors, Managers, Senior Finance and finance clerks positions being transferred to the Treasury Board Secretariat and Human Resource (HR) Managers, HR Officers, HR Assistants and payroll positions being transferred to the Public Service Commission.

Although services have been centralized, the Finance Director, HR Manager and staff that have been assigned to the Department maintain their existing work locations and continue to receive instruction from appropriate departmental personnel.

Advantages to centralization of Corporate Services include, but are not limited to the following:

- Increased consistency in service levels and coverage
- Greater opportunities to increase capacity, cross training and succession planning
- More capacity to respond to surges in demand
- More support from the central agency

Finance and Human Resources personnel continue to play a very important role within the Department and are responsible for:

- Provision of leadership related to financial management, budget development, financial controls, day-to-day accounting operations, inventory control and administration services
- Provision of personnel and payroll services, staffing, labour relations, organizational development and training administration

### **Finance**

Responsible to provide financial and administration services for the Department, including:

- Leadership in financial management
- Budget development, forecasts and control
- Support documentation for Budget presentation
- Accounts payable and receivable
- Inventory management
- General administration services

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31, 2017 follows at the end of the Annual Report.

## **Human Resources**

Responsible for the provision of planning and administration related to the Department's classified and non-classified workforce, including:

- Personnel and payroll services
- Organizational planning and development
- Departmental training administration
- Permanent and seasonal staffing
- Position description and classification
- Collective Agreement interpretation and input
- Management planning and consultation
- Occupational Health and Safety
- Labour relation issues

Finance and Human Resources staff are located in Charlottetown, as well as regional facilities in Tignish, Alma, Slemon Park, Georgetown and Bridgetown.

## **HIGHWAY SAFETY & IT DIVISION**

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support the Minister of Transportation Infrastructure and Energy in the administration of the *Highway Traffic Act*, *Off-Highway Vehicle Act*, *Roads Act*, and the *Transportation of Dangerous Goods Act*. The following Sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

- Driver Records
- Systems Development and Support
- IRP (International Registration Plan)
- Safety
- Registration and Licensing (Legislation and Policy and Program Development)
- Commercial Vehicle Enforcement

The department has introduced new Legislative Regulatory Changes over the past year.

### **Drug Impaired Driving**

- 90 day Administrative Driving Prohibition issued to drivers charged for impaired by a drug or a combination of a drug(s) and alcohol under the Criminal Code of Canada.
- 90 day Administrative Driving Prohibition for Graduated Drivers exceeding Zero tolerance for drug(s) or combination of drug(s) and alcohol.
- A seven (7) day suspension is issued for a regular driver that fails a field sobriety test.

### **Motor Vehicle Impoundment**

- 6 month vehicle impoundments issued when a person is operating or had care or control of a vehicle and are charged for any offence under the Criminal Code of Canada involving injury or death.
- 6 month vehicle impoundment for any driver charged with impaired or prohibited driving and was previously convicted in the past 10 years for any offence under the Criminal Code of Canada involving injury or death.
- 6 month vehicle impoundment for any driver charged with impaired or prohibited driving and they had been previously charged with 2 of the same offences in the last 10 years.

### **Ignition Interlock Program**

The mandatory minimum times in the Ignition Interlock Program are as follows:

- 1st offence - 1 year
- 2nd offence - BAC reading at the time of the offence 160 or below -3 years
- 2nd offence - BAC greater than 160 - 5 years
- 2nd offence - Refusing the Breathalyzer - 5 years
- 3rd and subsequent offence - 10 years

All drivers that have been convicted of impaired driving and at the time of the offence there was a passenger in the vehicle below the age of 16 years, will have an additional 1 year added to the required mandatory Ignition Interlock time.

2nd offence - After completing the mandatory ignition interlock term the driver is issued a Restricted ZERO BAC Driver's License for a period of 3 years.

It is an offence to operate a motor vehicle with any alcohol in your system when holding a Restricted Zero BAC Driver's License

3rd and subsequent offence - After completing 5 clean years of the 10 year mandatory Ignition Interlock Term, the driver may apply to the Registrar of Motor Vehicle for a Restricted Zero BAC Driver's License and a Specially Coded Zero BAC License Plate.

If the application is approved the driver can complete the remaining 5 years of the Ignition Interlock Term with a Restricted Zero BAC Driver's License and a Specially Coded Zero BAC License Plate.

It is an offence to operate a motor vehicle with any alcohol in your system when holding a Restricted Zero BAC Driver's License and to operate a vehicle with the Specially Coded License Plate.

Violating the Zero BAC Driver's License or operating a vehicle without a Specially Coded License plate carries a fine of \$1500 to \$2000, 12 demerit points and a 1 year cancellation in addition to any other charges or cancellation times that might be added.

#### **DRIVER RECORDS SECTION**

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada, and who are scheduled for counselling activity such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. During the year, there were approximately 9,100 motor vehicle related convictions.

This Section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments and, in particular, the Office of the Attorney General. The Driver Records Section deals mainly with the *Highway Traffic Act*, *Roads Act*, *Dangerous Goods Act* and the *Maintenance Enforcement Act*. Driver Abstracts (drivers' records) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

The Records Section is responsible for the evaluation, preparation and processing of all *Highway Traffic Act* and driver related *Criminal Code of Canada* convictions. A summary of the major activities is shown below with the 2015-2016 figures displayed for comparison purposes.

<b>Driver License Suspensions and Cancellations</b>	<b>2015-2016</b>	<b>2016-2017</b>
Section 253 (1)(a) Criminal Code - (Impaired Driving)	25	23
Section 253 (1)(b) Criminal Code - (Failing the Breathalyzer)	190	204
Section 254(5) Criminal Code - (Refusal of the Breathalyzer)	22	24
<b>Total Alcohol Related Convictions</b>	<b>237</b>	<b>251</b>
Administrative Driving Prohibitions	280	265
7 Day Suspensions (S.277.1) HTA	86	92
30 Day Suspensions (S.277.1) (3.2) HTA	0	4
90 Day Suspensions (S.277.1) (3.5) HTA	0	2

Vehicle Impoundments	68	50
Demerit Point System (Point Accumulation)	320	349
Theft of a Motor Vehicle	24	43
Default in Payment of Fine(s)	2,559	1,601
Failure to Satisfy a Judgment - (Accident with an uninsured vehicle)	1	4
Reinstatement of driving privileges from suspension/cancellation	2,093	1,701
<b>Revenue from Reinstatement Fees</b>	<b>174,252</b>	<b>178,016</b>
Number of Warning Letters Issued - (Point Accumulation)	983	1013
Number of Driving Record Interviews Issued - (Point Accumulation)	234	211

<b>Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)</b>	<b>2015-2016</b>	<b>2016-2017</b>
Medical Referrals Issued	314	351
Medical Referrals Issued for Commercial Drivers	3,432	3,314
Vision Referrals Issued	93	107
Driving Re-Examination Conducted	594	692
Driving Record Interviews	122	170
Restricted Driver Licenses Issued	52	43
Requests for Abstracts of Driving Records from Insurance Companies and Individuals	32,503	26,836
<b>Abstract Fee (25.00)</b>	<b>812,575</b>	<b>790,475</b>

<b>PERCENT OF REPEAT IMPAIRED DRIVING OFFENDERS</b>				
Updated - June 23, 2017				
<b>Year</b>	<b>First</b>	<b>Second</b>	<b>Third or More</b>	<b>Second Total Impaired Convictions</b>
2016	66.0%	19.3%	14.7%	253
2015	67%	17.6%	15.4%	239
2014	62.7%	22.4%	14.9%	241
2013	56.9%	17.8%	25.3%	297
2012	57.8%	22.3%	19.9%	327
2011	60.3 %	19.6 %	20.1 %	373
2010	63.4 %	18.9 %	17.7 %	424
2009	59.7 %	18.1 %	22.2 %	392
2008	57.8 %	23.3 %	18.9 %	365

2007	64.5 %	19.0 %	16.5 %	411
2006	56.2 %	24.1 %	19.7 %	345
2005	63.8 %	19.1 %	17.1 %	304
2004	65.8%	15.2%	19.0%	301
2003	63.6 %	21.2 %	15.2 %	348
2002	56.1 %	23.9 %	20.0 %	394
2001	60.7 %	20.5 %	18.8 %	424
2000	59.1 %	22.8 %	18.1 %	430
1999	51.1 %	18.9 %	30.0 %	440
1998	45.9 %	21.0 %	33.1 %	455
1997	48.0 %	20.6 %	31.4 %	554
1996	45.8 %	21.8 %	32.4 %	513
1995	49.2 %	19.5 %	31.3 %	432
1994	46.3 %	20.6 %	33.1 %	438
1993	41.6 %	21.2 %	37.2 %	594
1992	47.0 %	18.0 %	35.0 %	557
1991	46.5 %	22.7 %	30.8 %	626
1990	45.8 %	21.8 %	32.4 %	654
1989	45.8 %	21.8 %	32.4 %	628

## INFORMATION TECHNOLOGY

Highway Safety have the following computer applications from which statistical information can be generated:

### **Carrier Management System(CMS):**

Monitor, regulate and rate carriers of commercial vehicles. It covers all aspects of driver qualification, vehicle compliance and safety management of commercial vehicle.

### **Collision and Accident Reporting System (CARS):**

The management of highway collisions through collection of data with the capability of ad hoc query and reporting.

### **Driver Vehicle System (DVS):**

Provincial Driver Licensing and Vehicle Registration System which generates revenue for the Province.

### **Electronic Abstract System (CGI):**

Automated Insurance Abstract Management and Billing System for CGI that is processed via FTP.

### **Enforcement Officer Reporting System (EORS):**

Records all daily activity, traffic stops and permits for portable and fixed scale operations.

### **International Registration Plan (IRP) and IRP Clearing House:**

Vehicle Registration Program that interprets business rules, calculates fees and taxes for Canadian and US jurisdictions.

**Inter-Provincial Records Exchange System (IRE):**

Exchange and sharing of Driver Licensing and Records along with Vehicle Registration Information between provinces and states.

**Motor Vehicle Inspection System (MVIS):**

Supports the management of the MVI program. Database stores individual MVI reports, station and mechanic information.

**Photo ID System:**

Management of digital photos and signatures for driver's licenses, instruction permits and identification cards.

**Records Management System (RMS):**

Manages and maintains all records of PEI Drivers and convictions for motor vehicle related offences. The system generates all daily correspondence.

**Telephone Vehicle Registration System (TVRS):**

Interactive voice response system for passenger vehicle registration.

**Computer Applications Supported Within the Department**

Other computer applications within the Department which the Information Technology Section supports are:

**Regional Weather Information System (RWIS):**

Tracks and provides information on weather and road conditions on PEI.

**Construction Analysis and Tracking System Remote (CATS Remote):**

Management of load tickets for printing and monitoring. This system runs parallel to CATS during the construction season.

**Construction Analysis and Tracking System (CATS):**

Tracks all government of PEI construction contracts from tender submissions through payout.

**Electronic Billing Information System (EBIS):**

Tracking of utility bills and kilowatt usage for all government departments.

**Fleet Management System (FMS):**

Manages the corporate fleet of leased vehicles by monitoring all payments and expenses for all departments, plus manages parts inventory, labour and maintenance for government garages.

**Integrated Traffic Monitoring System (ITMS):**

Tracks vehicle traffic data for all PEI highways and generates ad hoc reports.

**Land Information Management System (LIMS):**

Tracks and monitors crown owned land history from current to past leaseholders along with use of land.

**Travel Claims System (TCS):**

Tracks Travel Claims by employee with the Department of Transportation and Infrastructure Renewal.

**Pavement Management System (PMS):**

Collects data on pavement conditions and road attributes.

**Highway Lab Information Management System (HLIMS):**

Collects data from an array of tests on materials and soils to ensure compliance with the department's specifications.

**The International Registration Plan**

The International Registration Plan (IRP) is a Registration Reciprocity Agreement among the Canadian and US jurisdictions providing for payment of license fees on the basis of total distance operated in all jurisdictions. The fees are divided among the IRP jurisdictions through which the vehicles travel and allow movement on an interjurisdictional and intrajurisdictional basis.

Typically vehicles over 11,794 kgs (26,000 lbs) or buses that wish to travel in two or more jurisdictions must register under IRP. It is not mandatory that vehicles be registered under the Agreement, but if carriers do not register, they will be required to register in their base jurisdiction and obtain temporary or single trip permits from member jurisdictions in which they intend to travel.

During the fiscal year April 1, 2016 to March 31, 2017 there were a total of 190 Prince Edward Island based carriers registering a total of 706 vehicles in the Agreement.

#### **IRP Clearinghouse**

Prince Edward Island has been a participating member of the IRP Clearinghouse since November 2002. This involves the electronic exchange and reconciliation of registration and tax fee information and funds through a central computer system among member jurisdictions of the International Registration Plan. Presently 56 of the 59 member jurisdictions are members of the Clearinghouse.

#### **Canadian Agreement on Vehicle Registration (CAVR)**

CAVR is a Full and Free Reciprocity Agreement for Category B vehicles for interprovincial operations that may operate in all Canadian Provinces when legally registered in their home jurisdiction. They cannot be used for intra-provincial transportation, unless they meet conditions in Article V of the Agreement.

IRP services are provided at the Charlottetown office of the Highway Safety Division. The distribution of revenue, for the fiscal year April 1, 2016 - March 31, 2017 are listed in the tables that follow.

#### **DISTRIBUTION OF REVENUE COLLECTED FROM PEI BASED CARRIERS FOR CANADIAN JURISDICTIONS APRIL 1, 2016 - MARCH 31, 2017**

<b>PROVINCE</b>	<b>REG FEES</b>	<b>RST</b>	<b>HST</b>	<b>ADMIN FEES</b>	<b>AUDITS</b>	<b>TOTAL FEES</b>
<b>PE</b>	455,831.00	8,274.41	49,380.93	41,110.00	719.60	555,315.94
<b>NB</b>	508,265.03	0.00	0.00	0.00	2,226.67	510,491.70
<b>NS</b>	215,479.85	0.00	0.00	0.00	869.52	216,349.37
<b>NL</b>	4,115.51	0.00	0.00	0.00	0.00	4,115.51
<b>QC</b>	149,463.45	0.00	0.00	0.00	96.45	149,559.90
<b>ON</b>	120,435.00	0.00	0.00	0.00	31.80	120,466.80
<b>MB</b>	1,299.00	1,276.70	0.00	0.00	0.00	2,575.70
<b>SK</b>	2,160.00	1,412.41	0.00	0.00	0.00	3,572.41
<b>AB</b>	3,210.00	0.00	0.00	0.00	0.00	3,210.00
<b>BC</b>	2,403.13	3,883.69	0.00	0.00	0.00	6,286.82
<b>TOTALS</b>	<b>1,462,661.97</b>	<b>14,847.21</b>	<b>49,380.93</b>	<b>41,110.00</b>	<b>3,944.04</b>	<b>1,571,944.15</b>

**All Fees are in Canadian Dollars**

**DISTRIBUTION OF REVENUE COLLECTED FROM PEI BASED CARRIERS  
FOR U. S. JURISDICTIONS  
APRIL 1, 2016 - MARCH 31, 2017**

<b>JURISDICTION</b>	<b>REGISTRATION FEES</b>	<b>AUDITS</b>	<b>SALES TAX FEES</b>	<b>TOTAL FEES US DOLLARS</b>
Alabama	38.07	0.00	0.00	38.07
Arizona	1,626.21	0.00	0.00	1,626.21
Arkansas	63.70	0.00	0.00	63.70
California	2,253.00	0.00	0.00	2,253.00
Colorado	556.42	0.00	230.51	786.93
Connecticut	11,506.45	1.11	0.00	11,507.56
Delaware	1,179.79	(0.02)	0.00	1,179.77
Dist of Columbia	32.24	0.00	0.00	32.24
Florida	1,832.04	2.25	0.00	1,834.29
Georgia	624.41	0.24	256.21	880.86
Idaho	235.60	0.00	0.00	235.60
Illinois	2,014.78	0.00	0.00	2,014.78
Indiana	821.66	0.00	323.23	1,144.89
Iowa	528.60	0.00	0.00	528.60
Kansas	105.39	0.00	32.32	137.71
Kentucky	239.18	0.00	63.51	302.69
Louisiana	9.12	0.00	0.00	9.12
Maine	30,889.82	82.45	30,573.55	61,545.82
Maryland	2,731.66	9.13	0.00	2,740.79
Massachusetts	17,299.83	21.89	0.00	17,321.72
Michigan	2,260.27	0.00	0.00	2,260.27
Minnesota	152.87	0.00	0.00	152.87
Mississippi	38.42	0.00	18.03	56.45
Missouri	644.41	0.00	0.00	644.41
Montana	154.20	0.00	48.00	202.20
Nebraska	425.57	0.00	0.00	425.57
Nevada	248.19	0.00	193.97	442.16
New Hampshire	2,095.05	3.05	0.00	2,098.10
New Jersey	9,318.65	7.79	0.00	9,326.44



New Mexico	69.57	0.00	0.00	69.57
New York	13,302.81	(1.98)	3,298.31	16,599.14
North Carolina	2,816.48	1.00	0.00	2,817.48
North Dakota	83.22	0.00	0.00	83.22
Ohio	866.91	0.00	0.00	866.91
Oklahoma	374.00	0.00	0.00	374.00
Oregon	80.94	0.00	0.00	80.94
Pennsylvania	17,455.43	(15.09)	1,641.16	19,081.50
Rhode Island	198.05	0.00	0.00	198.05
South Carolina	1,000.49	0.89	0.00	1,001.38
South Dakota	49.08	0.00	0.00	49.08
Tennessee	294.58	0.00	0.00	294.58
Texas	251.64	0.00	0.00	251.64
Utah	195.99	0.00	171.71	367.70
Vermont	2,156.52	0.00	0.00	2,156.52
Virginia	3,770.04	1.31	0.00	3,771.35
Washington	622.16	0.00	85.05	707.21
West Virginia	454.59	0.00	233.50	688.09
Wisconsin	772.35	0.00	0.00	772.35
Wyoming	431.66	0.00	0.00	431.66
<b>TOTALS</b>	<b>135,172.11</b>	<b>114.02</b>	<b>37,169.06</b>	<b>172,455.19</b>

**DISTRIBUTION OF REVENUE COLLECTED BY CANADIAN JURISDICTIONS  
FOR PRINCE EDWARD ISLAND  
APRIL 1, 2016 - MARCH 31, 2017**

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX	TOTAL FEES
<b>NB</b>	209,768.00	(32.74)	0.00	209,735.26
<b>NS</b>	64,039.00	(232.25)	0.00	63,806.75
<b>NL</b>	15,608.00	(34.12)	0.00	15,573.88
<b>QC</b>	30,845.99	(11.91)	0.00	30,834.08
<b>ON</b>	11,950.00	16.98	0.00	11,966.98
<b>MB</b>	6,763.00	12.00	0.00	6,775.00
<b>SK</b>	111.00	0.00	0.00	111.00
<b>AB</b>	2,961.00	0.00	0.00	2,961.00
<b>BC</b>	780.00	(4.89)	0.00	775.11

<b>TOTALS</b>	<b>342,825.99</b>	<b>(286.93)</b>	<b>0.00</b>	<b>342,539.06</b>
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All Fees In Canadian Dollars

**DISTRIBUTION OF REVENUE COLLECTED BY U.S. JURISDICTIONS  
FOR PRINCE EDWARD ISLAND  
APRIL 1, 2016 - MARCH 31, 2017**

<b>JURISDICTION</b>	<b>REGISTRATION FEES</b>	<b>AUDITS</b>	<b>SALES TAX FEES</b>	<b>TOTAL FEES US DOLLARS</b>
Alabama	13.00	0.00	0.00	13.00
Arizona	51.26	0.00	0.00	51.26
Arkansas	109.00	72.00	0.00	181.00
California	4,633.89	0.08	0.00	4,633.97
Colorado	52.78	(0.22)	0.00	52.56
Connecticut	10,133.02	0.00	0.00	10,133.02
Delaware	608.00	0.00	0.00	608.00
Dist of Columbia	0.01	0.00	0.00	0.01
Florida	6,701.86	2.20	0.00	6,704.06
Georgia	1.00	0.00	0.00	1.00
Idaho	1,518.20	(1.01)	0.00	1,517.19
Illinois	11,505.50	0.38	0.00	11,505.88
Indiana	1,458.00	0.00	0.00	1,458.00
Louisiana	217.93	0.00	0.00	217.93
Maine	2,025.00	0.00	0.00	2,025.00
Maryland	103.44	0.44	0.00	103.88
Massachusetts	2,737.00	9.40	0.00	2,746.40
Michigan	1,808.00	0.00	0.00	1,808.00
Minnesota	4.00	0.00	0.00	4.00
Mississippi	294.00	0.00	0.00	294.00
Missouri	38.34	0.00	0.00	38.34
Montana	396.01	0.00	0.00	396.01
Nebraska	399.77	(0.42)	0.00	399.35
Nevada	345.00	0.00	0.00	345.00
New Hampshire	1,652.35	1.50	0.00	1,653.85
New Jersey	3,054.36	0.00	0.00	3,054.36
New Mexico	394.00	0.00	0.00	394.00

New York	3,077.00	0.18	0.00	3,077.18
North Carolina	53.63	0.00	0.00	53.63
North Dakota	149.30	0.00	0.00	149.30
Ohio	1,763.51	(83.28)	0.00	1,680.23
Oklahoma	259.16	0.00	0.00	259.16
Pennsylvania	182.00	0.00	0.00	182.00
South Carolina	48.00	0.00	0.00	48.00
Tennessee	263.15	(0.33)	0.00	262.82
Texas	0.01	0.00	0.00	0.01
Utah	167.00	0.00	0.00	167.00
Vermont	101.57	0.14	0.00	101.71
Virginia	4,190.49	(13.47)	0.00	4,177.02
Washington	24.01	0.00	0.00	24.01
West Virginia	75.83	0.00	0.00	75.83
Wisconsin	28.00	0.00	0.00	28.00
Wyoming	21.13	(0.07)	0.00	21.06
<b>TOTALS</b>	<b>60,658.51</b>	<b>(12.48)</b>	<b>0.00</b>	<b>60,646.03</b>

**RECAP OF REVENUE  
APRIL 1, 2016 - MARCH 31, 2017**

**Distribution of Revenue Collected from Prince Edward Island Base Plated Carriers**

Revenue Retained by Prince Edward Island	555,315.94
Revenue Collected for Canadian Jurisdictions	1,016,628.21
<b>Total Canadian Revenue Collected from PE Base Plated Carriers</b>	<b>1,571,944.15</b>
<b>Total U. S. Revenue Collected from PE Base Plated Carriers</b>	<b>172,455.19</b>

**Distribution for Revenue Collected from Member Jurisdictions for Prince Edward Island**

Revenue Collected for PE by Canadian Jurisdictions	342,539.06
Revenue Collected for PE by U. S. Jurisdictions	60,646.03

**Registration and Licensing**

Registration and Licensing service delivery is carried out through a service level agreement with Access P.E.I.

### Vehicle Registration Breakdown

Type	2015-2016	2016-2017
Cars	75,553	78,210
Trucks	25,534	26,099
Motorcycles	2,817	2,765
Buses	428	424
Trailer	15,319	16,022
Off-Road Vehicle	3,481	3,907
Miscellaneous - Other Vehicles	1,089	1,077
<b>Total Registrations</b>	<b>124,221</b>	<b>128,504</b>

### Total Number of Drivers per Class

Class	2015-2016	2016-2017
CLASS 1 - Tractor Trailers	4,167	4,334
CLASS 2 - Bus for more than 24 passengers including School Bus	1,089	1,105
CLASS 3 - Trucks over 14,000 kgs	4,438	4,255
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	2,514	2,443
CLASS 5 - Car, light truck	92,146	94,391
CLASS 6 - Motorcycle	10,901	11,173
CLASS 7 - Beginner's Instruction Permit	3,011	3,062

### Conservation Plates

Conservation License Plates were made available to public for sale on September 20, 2013. Conservation Plates are available for a \$10 annual fee and all proceeds go to the Wildlife Conservation Fund, which helps to protect and enhance wildlife and habitat.

The plates are available in French and in English with 5 unique designs.

12,276 of these plates were sold in the first year. (Sept. 20/13-Sept.20/14)

6,945 were sold in fiscal year 2014-2015

2,061 were sold in fiscal year 2015-2016

2,085 were sold in fiscal year 2016-2017

Red Fox - 977

Blue Jay - 359

Canada Goose - 240

Brook Trout - 304

Lady Slipper - 205

### SAFETY SECTION

The Safety Section deals with issues relating to the driver and vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users, and by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The countermeasure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement
- National Safety Code

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the *Highway Traffic Act*, regulations, and department policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening and a behind the wheel road test.

#### **Driver Testing Statistics**

Knowledge Tests 2015-2016	Knowledge Tests 2016-2017	Road Tests 2015-2016	Road Tests 2016-2017
2756	3096	3068	3559

#### **Driver Education Licensing Certification Program**

Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 16 years of age; however, they must wait at least 275 days and be at least sixteen years of age before becoming eligible for a road test.

Nine Commercial Driver Education Schools operated in Prince Edward Island during the year. Each school offered twenty-five hours of in-classroom instruction and ten hours behind-the-wheel training and six hours of observation time as required by the Driving School Regulations.

#### **Driver Education School - Class 5 Driver License**

Written Examinations		Road Tests	
2015-2016	852	2015-2016	614
2016-2017	820	2016-2017	669

#### **Driver Improvement Program**

The primary function of driver improvement is to identify problem drivers through their driving record. Interviews and meetings are conducted to encourage drivers to change their driving habits and attitudes in order to reduce fatalities, injuries and property damage. When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points. Nine or more demerit points requires the driver to attend a driver improvement interview, during which the driver is provided with an awareness of a driving problem and the process to a solution for the problem. Twelve or more demerit points results in the suspension for three months of the driver's license. All suspended drivers must attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license. During the year, a total of 10 drivers successfully completed the Driver Improvement Course.

**Driver Rehabilitation Program**

All drivers who are convicted of a second or subsequent offence for impaired driving pursuant to Section 253(a) (impaired driving), 253(b) (failing the breathalyser), or 254(c) (refusal of the breathalyser) of the *Criminal Code of Canada* must complete a driver risk assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for a first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated. During the year, 85 drivers completed Driver Rehabilitation Program.

**Ignition Interlock Program**

This program is available to offenders after a drinking and driving conviction and will allow for early reinstatement of a driver's license upon successful application. It is designed to encourage individuals to seek help quickly and address any alcohol-related problems.

The Ignition Interlock Program is a mandatory requirement for reinstatement of a driver's licence for all convictions of impaired driving.

Eligible drivers are issued a restricted driver's license once the interlock device is installed on the vehicle which allows only the operation of that vehicle. The device prevents the vehicle being started if alcohol above a preset level is detected in the driver's breath samples.

All activity is recorded and monitored by Highway Safety Division via a build-in data logger. Failure to comply with operational requirements will result in the removal of the interlock device and reinstatement of the suspension period.

**IGNITION INTERLOCK INSTALLATIONS**

YEAR	DWI CONVICTIONS	TOTAL IIPS INSTALLED
2007	411	47
2008	365	61
2009	392	68
2010	424	73
2011	373	99
2012	327	94
2013	297	179
2014	241	139
2015	239	192
2016	253	210

**Novice Driver Course**

The Novice Driver Course is compulsory unless a Driver Education Course has been successfully completed. All new drivers applying for a license must complete either of these courses prior to taking a road test.

The Novice Driver Course is made available through Highway Safety. Courses can be taken in Charlottetown, Montague, Souris, Summerside and Elmsdale. During the year, a total of 700 students successfully completed the Novice Driver Course.

### **Defensive Driving Course**

Courses on safe driving habits have been developed by the Canada Safety Council with the cooperation of provincial governments. In Prince Edward Island, this course is administered by the Island First Aid Services. Attendance at these courses is voluntary. Those who successfully complete the course receive a bonus of 3 points which can be used as a credit in the Demerit Point System.

During the year, a total of 59 drivers successfully completed the Defensive Driver Course.

Online Defensive Driving Course has been approved for demerit point credit and offered at Island First Aid Services and JVI.

### **Collision and Reporting System (CARS)**

During the year 2016, there were 1438 collisions resulting in 984 injuries and 13 fatalities. The fatalities included 5 drivers of vehicles, 4 drivers of motorcycles, 1 driver of a snowmobile, 2 passengers of vehicles and 1 pedestrian.

### **Traffic Safety Promotion**

Highway Safety provides information regarding traffic safety through the use of the news media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive.

The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Six of the high schools across the province have a Chapter of SADD.

### **Motor Vehicle Inspection**

The Motor Vehicle Inspection Program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety.

The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

### **Salvage Vehicle Inspection Program**

The Salvage Vehicle Inspection Program was implemented on May 1, 2013 by an amendment to the Motor Vehicle Inspection Regulations. The new program applies to all "salvage" branded cars and light trucks. These vehicles are now required to be submitted to an inspection conducted by a certified auto body repairer, employed at a certified auto body shop, ensuring that the vehicle has been repaired and reassembled to an acceptable industry standard before being submitted to the annual safety inspection. Motor Vehicle Inspection Officers monitor the stations and technicians.

**Motor Vehicle Inspection Statistics**

<b>No. Stations</b>	<b>No. Mechanics</b>	<b>Results of Inspections</b>	<b>Cars Light Trucks</b>	<b>Trucks</b>	<b>Farm Trucks</b>	<b>Motorcycle Light Trailer</b>	<b>Trailers with brakes</b>
248	588	Passed	101,667	3,435	11,120	4,469	3,702
		Rejected	5,058	840	358	167	719
Type of Vehicle	# Defective Brakes	# Defective tire/wheels	# Defective suspension	Defective steering	Defective exhaust	#Defective body/frame	windshield & glazing
Light Vehicle	14,553	7,409	8,595	5,173	3,180	3,310	1,659
Commercial Vehicle	2,318	961	678	478	392	445	297

### **Commercial Vehicle Enforcement**

Roadside Vehicle Checks - Highway Safety Peace Officers, in cooperation with police agencies, conducted 15 roadside vehicle check stops throughout the year. Items checked include driver's license, vehicle registration, inspection, insurance coverage, use of seat belts, window tint and infractions under the *Liquor Control Act*.

### Inspection Facilities (Stationary Scales)

There is one weigh scale station in Prince Edward Island located at Borden-Carleton. The Borden-Carleton Scale is open 24 hours a day throughout the year and are staffed by five full-time officers, two full/part-time officers and one relief officer.

Commercial Vehicle Enforcement Officers are responsible for enforcement of the *Roads Act* and Vehicle Weight Regulations, *Highway Traffic Act* and Regulations, *Transportation of Dangerous Goods Act* and Regulations, *Plant Health Act* and the *Animal Health Act*.

Commercial Vehicle Enforcement Officers assist with the scanning and data entry of the Motor Vehicle Inspection System (contributing to the storage of 90,000 information forms yearly).

### Commercial Vehicle Enforcement Statistics

#### Truck Movement

Activity	Location	Number
Canadian Trucks	Borden/Carleton Scales	171,107
U.S. Trucks	Borden/Carleton Scales	265

#### Driver and Vehicle Checks

Activity	Location	Number
Driver's Documents	Borden/Carleton Scales	16,148
Hours of Work (Driver's Log)	Borden/Carleton Scales	188
Trip Inspections	Borden/Carleton Scales	188
Dangerous Goods Inspections	Borden/Carleton Scales	12

#### Miscellaneous Activities

Activity	Location	Number
Quick Check Stickers Issued	Borden/Carleton Scales	0
Potato Disinfectant Slips Collected	Borden/Carleton Scales	10,321
Vehicles Checked For Taxable Goods	Borden/Carleton Scales	20
Forest Products	Borden/Carleton Scales	900
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales	0
Apiary Act	Borden/Carleton Scales	10



Animal Health Act	Borden/Carleton Scales	116
Fisheries Product Act	Borden/Carleton Scales	2,376

#### Permits Issued

Type	Location	Number	Revenue
In-Transit	Borden/Carleton Scales	78	780.00
Oversize	Borden/Carleton Scales	1,002	124,650.00
Overweight	Borden/Carleton Scales	115	23,560.00
Trip	Borden/Carleton Scales	297	52,860.00
Fuel	Borden/Carleton Scales	521	13,025.00
Work	Borden/Carleton Scales	43	14,800.00
Non-Compliance	Borden/Carleton Scales	314	62,800.00
Other Front end decals	Borden/Carleton Scales	35	\$700.00
<b>TOTALS</b>	Borden/Carleton Scales	2,405	<b>293,175.00</b>

#### Recorded Violations

Item	Location	Number	Revenue
Roads Act	Borden/Carleton Scales	48	9,827.00
Highway Traffic Act	Borden/Carleton Scales	20	4,000.00
<b>TOTALS</b>	Borden/Carleton Scales	68	<b>13,827.00</b>

Enforcement Officers conduct Commercial Vehicle Safety Alliance (CVSA) roadside inspection of drivers and vehicles and loads carried.

Vehicles inspected fall into three categories:

- Pass (CVSA sticker applied to vehicle)
- Out of Service (vehicle must be towed or repaired before it proceeds)
- Restricted (Vehicle must be repaired before next dispatch).

Driver's inspected fall into two principle areas:

- Non-compliant
- Compliant

These inspections would include hours of service (log book), status of license, required endorsements, etc.

#### **Commercial Vehicle Safety Alliance Statistics**

<b>Item</b>	<b>2015-2016</b>	<b>2016-2017</b>
Total Number of Trucks & Truck Trailers Inspected	342	295
Power Units Out Of Service	26	18
Tractor Trailers Out Of Service	23	9

The Portable Scale Unit consists of one vehicle and portable wheel weigher scales. The unit is staffed by two permanent full-time officers. One additional unit was added in late 2015 consisting of two officers.

Officers enforce the Roads Act, Vehicle Weight Regulations, Highway Traffic Act, Transportation of Dangerous Goods Act, Fuel Tax, Plant Health Act and Animal Health Act.

#### **Portable Scales Statistics**

<b>Charges</b>	<b>Revenue</b>
<b>464</b>	<b>\$105,047.00</b>

#### ***Carrier Management***

The National Safety Code Auditor completed 10 educational visits to carrier locations throughout the province. As well, there were thirteen Carrier Audits completed and three presentations to transportation groups on the new Hours of Service Regulations.

#### ***Dealer Audits***

Highway Safety Officers completed audits of the Licensed Dealers in P.E.I. These audits are to ensure compliance with the regulations for holding a Dealer's Trade License.

### **Public Works and Planning Division**

The Division provides the staff and resources required to:

- Complete strategic planning for the highway network and other transportation sectors.
- Complete the design and construction of new, as well as, renovation of existing buildings for Government departments, boards, and agencies.
- Operate and maintain building owned or leased by the Department.

General activities and specific projects carried out by each Section are summarized as follows:

#### **BUILDING DESIGN AND CONSTRUCTION**

The Building Design and Construction Section is responsible for the design and preparation of tender documents required for the construction or renovation of various government and client buildings; as well as the supervision and inspection of construction work to ensure that contracts are completed in accordance with plans, specifications, and budget allocations. The design work is either performed by staff or private consultants, engaged for a specific project. The design and planning work includes the following:

1. Evaluation of existing buildings
2. Development of concept plans
3. Preparation of cost estimates
4. Preparation of working drawings and specifications required to obtain tenders, receipt of tenders and preparation of construction contracts
5. Construction contract administration and quality control
6. Preparation of request for proposals covering required consultant and construction management services and evaluation of these proposals.

## **SCHEDULE OF CONSTRUCTION TENDERS RECEIVED**

### **April 1, 2016 - March 31, 2017**

#### West Kent Elementary School - IT Consolidation - April 26, 2016

Ford Electric Ltd.	35,215.00
Hansen Electric Ltd.	53,300.00

#### Sherwood Elementary School - IT Consolidation - April 26, 2016

Ford Electric Ltd.	48,959.00
Hansen Electric Ltd.	73,200.00

#### LM Montgomery Elementary School - IT Consolidation - April 26, 2016

Ford Electric Ltd.	29,383.00
Hansen Electric Ltd.	38,700.00

#### Parkdale Elementary School - IT Consolidation - April 28, 2016

Hansen Electric Ltd.	34,700.00
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#### St. Jean Elementary School - IT Consolidation - April 28, 2016

Hansen Electric Ltd.	39,700.00
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#### Prince Street Elementary School - IT Consolidation - April 28, 2016

Hansen Electric Ltd.	33,700.00
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#### Westwood Primary School - IT Consolidation - April 28, 2016

Capital Electric Ltd.	35,700.00
Ford Electric Ltd.	44,667.00
Hansen Electric Ltd.	45,300.00

#### Queens County Highway Depot Phase 3A-Sanitary Sewer Extension - April 28, 2016

Duffy Construction Ltd.	122,600.00
Island Coastal Services Ltd.	128,233.25
Birt & MacKay Backhoe Services Ltd.	138,000.00

#### Birchwood Intermediate School - IT Consolidation - May 3, 2016

Hansen Electric Ltd.	103,000.00
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#### Riverview LTC Facility - TP#1 Site Access & Building Pad Prep - May 5, 2016

Kings County Construction Limited	259,975.75
Island Coastal Services Ltd.	373,767.03

#### Riverview LTC Facility - TP#2 Foundation - May 5, 2016

GE MacNeil Construction	214,900.00
MacLean Construction Ltd.	282,777.00
Southern Kings Construction Ltd	291,400.00
Sperra Construction Group Inc.	294,780.00

#### Ecole La-Belle-Cloche - Site Preparation & Selective Demolition - May 31, 2016

Brighton Construction Inc.	262,000.00
G&P Trucking & Construction Ltd.	265,920.00
Southern Kings Construction Ltd	273,400.00
MacLean Construction Ltd.	298,600.00

<u>QEH Electrical Infrastructure Upgrade-Electrical Room Expansion - June 2, 2016</u>	
WM&M (1993) Ltd.	2,262,500.00
Brighton Construction Inc.	2,326,000.00
MacLean Construction Ltd.	2,396,000.00
Fitzgerald & Snow (2010) Ltd.	2,429,000.00
<u>Wedgewood Manor - Fire Protection &amp; Fire Alarm Upgrade - June 2, 2016</u>	
LeBlanc Sprinkler Ltd.	564,877.00
B&G Sprinklers Ltd.	769,100.00
Troy Life & Fire Safety Ltd.	790,000.00
<u>Shaw Building - Partial Roof Replacement - June 2, 2016</u>	
Atlantic Roofers Ltd.	84,770.00
Ashe Roofing Ltd.	89,400.00
<u>St. Jean Elementary School - Fire Alarm Upgrade - June 2, 2016</u>	
Ford Electric Ltd.	13,719.00
Hansen Electric Ltd.	23,000.00
Olympia Electric Ltd.	23,818.00
<u>Central Queens Elementary School - Ceiling Tile Replacement - June 9, 2016</u>	
WM&M (1993) Ltd.	110,000.00
MacLean Construction Ltd.	122,000.00
<u>Eliot River Elementary School - Ceiling Tile Replacement - June 9, 2016</u>	
WM&M (1993) Ltd.	159,000.00
MacLean Construction Ltd.	181,000.00
<u>Glen Stewart Primary School - Ceiling Tile Replacement - June 9, 2016</u>	
WM&M (1993) Ltd.	198,800.00
MacLean Construction Ltd.	220,000.00
<u>Queens County Highway Depot Phase 3B-Parking and Storage Areas - June 30, 2016</u>	
Island Coastal Services Ltd.	683,817.31
<u>Alberton Elementary School - IT Consolidation - June 30, 2016</u>	
Olympia Electric Ltd.	34,474.00
Hansen Electric Ltd.	38,300.00
<u>Tignish Elementary School - IT Consolidation - June 30, 2016</u>	
Olympia Electric Ltd.	35,736.00
Hansen Electric Ltd.	42,700.00
Capital Electric & Refrigeration Ltd.	50,900.00
R.I.K.S. Electric	63,000.00
<u>LCC Warehouse - Parking Lot Extension - June 30, 2016</u>	
The Island Construction Limited	33,476.00
M&M Resources Inc.	35,796.00
Island Coastal Services Ltd.	37,879.96
<u>Bloomfield Elementary School - IT Consolidation - July 7, 2016</u>	
Olympia Electric Ltd.	38,323.00
Hansen Electric Ltd.	47,300.00
<u>O'Leary Elementary School - IT Consolidation - July 7, 2016</u>	
Hansen Electric Ltd.	55,300.00
Olympia Electric Ltd.	55,470.00

<u>Hernewood Intermediate School - IT Consolidation - July 7, 2016</u>	
Olympia Electric Ltd.	57,600.00
Hansen Electric Ltd.	64,700.00
<u>ME Callaghan Intermediate School - IT Consolidation - July 7, 2016</u>	
Olympia Electric Ltd.	59,695.00
Hansen Electric Ltd.	73,000.00
<u>Ecole Sur Mer - Music Room Addition - July 7, 2016</u>	
WM&M (1993) Ltd.	426,000.00
Fitzgerald & Snow (2010) Ltd.	437,700.00
MacLean Construction Ltd.	444,000.00
Paul Davis Restoration	471,000.00
<u>Charlottetown Rural High School - Heat Wheel Replacement &amp; EMS Upgrade - July 12, 2016</u>	
Entire Mechanical Contractors	139,400.00
Olympia Electric Ltd.	193,000.00
<u>Englewood School - IT Consolidation - July 19, 2016</u>	
Hansen Electric Ltd.	43,300.00
R.I.K.S. Electric	52,000.00
<u>Parkside Elementary School - Water Main Replacement - July 19, 2016</u>	
J.S. Plumbing & Heating	44,710.00
Entire Mechanical Contractors	53,898.00
Precision Mechanical Inc.	55,300.00
<u>Ecole Evangeline - Ceiling Tile Replacement - July 20, 2016</u>	
Paul Davis Restoration	123,000.00
Wellington Construction Co. Ltd.	124,520.00
WM&M (1993) Ltd.	133,000.00
<u>Amherst Cove Elementary School - IT Consolidation - July 21, 2016</u>	
Hansen Electric Ltd.	52,300.00
<u>Three Oaks High School - TP#1 Preconstruction Improvements - July 26, 2016</u>	
Fitzgerald & Snow (2010) Ltd.	127,300.00
MacLean Construction Ltd.	136,100.00
V.M. Construction & Consulting	142,671.30
<u>Three Oaks High School - TP#2 Site Work 2016 - July 26, 2016</u>	
Duffy Construction Ltd.	369,900.00
Curran & Briggs Limited	372,100.00
<u>Eliot River - Wheel Chair Lift - August 2, 2016</u>	
Lawton Drug Stores Limited	46,875.00
<u>Bluefield High School - Oil Tank Replacement - August 4, 2016</u>	
Ron's Plumbing & Heating Inc.	72,000.00
Bevan Brothers Ltd.	76,600.00
<u>Birchwood Intermediate School - Oil Tank Replacement - August 4, 2016</u>	
Bevan Brothers Ltd.	70,750.00
Ron's Plumbing & Heating Inc.	85,000.00
<u>Parkdale Elementary School - Oil Tank Replacement - August 4, 2016</u>	
Ron's Plumbing & Heating Inc.	67,000.00
Bevan Brothers Ltd.	69,500.00

<u>Queen Elizabeth Elementary School - Parking Lot Repairs - August 4, 2016</u>	
Curran & Briggs Limited	164,600.00
<u>Three Oaks High School - Shop Move - August 11, 2016</u>	
Francis Rush Transfer Ltd.	4,500.00
Foley's Transfer Inc.	6,300.00
<u>Glen Stewart Primary School - IT Consolidation - August 11, 2016</u>	
Ford Electric Ltd.	84,800.00
Olympia Electric Ltd.	99,000.00
Hansen Electric Ltd.	103,300.00
<u>Eliot River Elementary School - IT Consolidation - August 11, 2016</u>	
Ford Electric Ltd.	54,900.00
Hansen Electric Ltd.	59,300.00
Olympia Electric Ltd.	67,000.00
<u>Beaconsfield Historic House - Ceiling Repairs - August 11, 2016</u>	
Arsenault Bros. Construction Ltd.	22,900.00
<u>PE Home - Heat Pump Installation - August 11, 2016</u>	
Entire Mechanical Contractors	15,850.00
Hussman Canada	17,745.00
Direct Energy Business Services	20,590.00
J&S Sheet Metal Ltd.	22,600.00
<u>Queens County Highway Depot Phase 3B-Supply &amp; Place Class "A" Gravel - August 23, 2016</u>	
Island Coastal Services Ltd.	243,980.96
The Island Construction Limited	246,217.00
<u>Beaconsfield Historic House - Exterior Repairs and Painting - August 25, 2016</u>	
WM&M (1993) Ltd.	69,500.00
MacLean Construction Ltd.	71,900.00
<u>Western Hospital - Tractor Storage Garage - August 30, 2016</u>	
Paul Davis Restoration	69,000.00
G.I.A. Limited	79,000.00
<u>Ecole Evangeline - Interior Renovation - September 2, 2016</u>	
Paul Davis Restoration	18,300.00
WM&M (1993) Ltd.	26,200.00
Wellington Construction Co. Ltd.	26,325.00
<u>Provincial Artifactory - Siding and Repairs - September 7, 2016</u>	
MacLean Construction Ltd.	30,921.00
WM&M (1993) Ltd.	38,650.00
Fitzgerald & Snow (2010) Ltd.	40,370.00
<u>Montague Office Complex - Renovation and Addition - September 13, 2016</u>	
MacLean Construction Ltd.	453,860.00
Brighton Construction Inc.	494,000.00
Sperra Construction Group Inc.	519,200.00
Dora Construction Management Limited	898,174.00
<u>Gulf Shore Consolidated School - IT Consolidation - September 16, 2016</u>	
Hansen Electric Ltd.	52,700.00
Olympia Electric Ltd.	58,000.00
Ford Electric Ltd.	69,800.00

<u>Somerset Elementary School - IT Consolidation - September 16, 2016</u>	
Hansen Electric Ltd.	41,700.00
Olympia Electric Ltd.	42,400.00
<u>Prince County Heliport Upgrade - September 16, 2016</u>	
Curran & Briggs Limited	211,500.00
Island Coastal Services Ltd.	225,523.98
<u>Prince County Hospital - Site Works and Paving - September 29, 2016</u>	
Curran & Briggs Limited	78,900.00
Island Coastal Services Ltd.	86,781.92
<u>Ecole Pierre Chaisson - Site Improvements - October 4, 2016</u>	
OMD Construction & Consulting Ltd.	43,200.00
<u>Ecole Francois Buote - Partial Roof Replacement - October 13, 2016</u>	
Ashe Roofing Ltd.	39,600.00
Atlantic Roofers Ltd.	41,472.00
A-Tech Roofing Ltd.	65,820.00
<u>Beaconsfield Carriage House - Structural Repairs - October 13, 2016</u>	
WM&M (1993) Ltd.	43,000.00
Sperra Construction Group Inc.	55,620.00
<u>L' Ecole La Belle Cloche Addition /Renovation Phase 2 - November 8, 2016</u>	
MacLean Construction Ltd.	7,616,000.00
Brighton Construction Inc.	7,717,000.00
<u>Kinkora Seniors Building - Demolition - November 22, 2016</u>	
Duffy Construction Ltd.	147,500.00
Fitzgerald & Snow (2010) Ltd.	209,250.00
Ron's Plumbing & Heating Inc.	289,000.00
<u>Wellington Seniors Building - Demolition - November 22, 2016</u>	
AJL Limited	57,600.00
Waughs Construction Ltd.	62,350.00
Kildare Construction Ltd.	114,000.00
John A. DesRoches ( Non-Compliant Submission)	44,989.00
<u>Donagh Regional School - IT Consolidation - November 23, 2016</u>	
Hansen Electric Ltd.	27,700.00
R.I.K.S. Electric	27,900.00
<u>Southern Kings Consolidated - IT Consolidation - November 23, 2016</u>	
Hansen Electric Ltd.	47,700.00
<u>Central Queens Elementary School - IT Consolidation - November 23, 2016</u>	
Hansen Electric Ltd.	48,700.00
R.I.K.S. Electric	53,700.00
<u>Vernon River Consolidated School - IT Consolidation - November 29, 2016</u>	
Hansen Electric Ltd.	20,300.00
Olympia Electric Ltd.	21,000.00
Jamieson Electric & Refrigeration Ltd	21,050.00
R.I.K.S. Electric	23,500.00
<u>Morell Consolidated School - IT Consolidation - November 29, 2016</u>	
Olympia Electric Ltd.	49,600.00
Hansen Electric Ltd.	51,700.00

R.I.K.S. Electric	54,100.00
Jamieson Electric & Refrigeration Ltd	65,100.00
<u>Mt. Stewart Consolidated School - IT Consolidation - November 29, 2016</u>	
Olympia Electric Ltd.	44,400.00
Hansen Electric Ltd.	48,700.00
Jamieson Electric & Refrigeration Ltd	52,300.00
R.I.K.S. Electric	55,317.00
<u>Montague Consolidated School - IT Consolidation - December 20, 2016</u>	
Olympia Electric Ltd.	75,323.00
Hansen Electric Ltd.	85,200.00
<u>Georgetown Elementary School - IT Consolidation - December 20, 2016</u>	
Olympia Electric Ltd.	19,634.00
Hansen Electric Ltd.	23,200.00
<u>Cardigan Consolidated School - IT Consolidation - December 20, 2016</u>	
Hansen Electric Ltd.	18,700.00
Olympia Electric Ltd.	27,419.00
<u>Belfast Consolidated School - IT Consolidation - December 20, 2016</u>	
Hansen Electric Ltd.	33,300.00
Olympia Electric Ltd.	34,377.00
<u>Three Oaks High School TP#4 Interior Fit-Up - January 24, 2017</u>	
Brighton Construction Inc.	6,648,000.00
MacLeans Construction Ltd	6,836,000.00
<u>Three Oaks High School TP#5 Hazardous Materials Abatement - January 24, 2017</u>	
WM&M (1993) Ltd.	1,636,000.00
Envirobate Inc. Non-Compliant Bid Submission	720,000.00
<u>Three Oaks High School TP#10 Fire Protection System - January 24, 2017</u>	
LeBlanc Sprinklers Ltd.	461,920.00
Troy Life & Fire Safety Ltd	466,000.00
Viking Fire Protection Inc.	820,000.00
B&G Sprinkler Ltd.	868,400.00
<u>Three Oaks High School TP#11 Plumbing &amp; Heating - January 24, 2017</u>	
Entire Mechanical Contractors	2,010,000.00
Bevan Bros. Limited	2,186,000.00
Precision Mechanical Inc.	3,498,000.00
<u>Three Oaks High School TP#12 HVAC &amp; Controls - January 24, 2017</u>	
East Coast Sheet Metal Ltd.	1,427,400.00
Entire Mechanical Contractors	1,607,000.00
Brunswick Sheet Metal	1,695,000.00
BSM Services 1998 Ltd.	1,695,732.00
Advanced Air Systems Inc.	1,860,000.00
<u>Three Oaks High School TP#13 Electrical - January 24, 2017</u>	
Olympia Electric Ltd	2,946,000.00
Hansen Electric Ltd	3,100,000.00
<u>PEI Cancer Treatment Centre QEH-Third Linear Accelerator Bunker &amp; Related Renovations- February 23, 2017</u>	
MacLean Construction Ltd.	2,223,000.00
Brighton Construction Inc.	2,275,000.00
WM&M (1993) Ltd.	2,282,000.00



<u>Birchwood Intermediate School - Humidification Upgrades - February 28, 2017</u>	
Entire Mechanical Contractors	88,400.00
Bevan Bros. Limited	90,500.00
<u>Riverview LTC Facility Ph 1 - Site Access &amp; Building Pad Prep - March 10, 2017</u>	
Kings County Construction Limited	356,975.00
Island Coastal Services Ltd.	412,356.42
<u>Riverview LTC Facility Ph 2 - Foundation - March 10, 2017</u>	
Ridgeline Construction Ltd.	289,990.00
Southern Kings Construction Ltd	295,231.00
G.E. MacNeill Construction Ltd.	304,635.00
<u>New Tyne Valley LTC Facility - March 16, 2017</u>	
Wellington Construction Co. Ltd.	7,369,500.00
<u>West Kent Elementary School -Oil Tank Replacement - March 16, 2017</u>	
GNL Environmental Inc.	61,162.00
Ron's Plumbing & Heating Inc.	66,600.00
Bevan Bros. Limited	67,800.00
Noye Enterprises Inc.	74,173.64
Envirosystems Inc.	78,618.00
<u>Southern Kings Consolidated School -Oil Tank Replacement - March 16, 2017</u>	
GNL Environmental Inc.	63,788.00
Bevan Bros. Limited	71,400.00
Ron's Plumbing & Heating Inc.	71,700.00
Noye Enterprises Inc.	72,634.08
Envirosystems Inc.	82,786.00
<u>Morell Consolidated School -Oil Tank Replacement - March 16, 2017</u>	
GNL Environmental Inc.	62,918.00
Ron's Plumbing & Heating Inc.	68,800.00
Bevan Bros. Limited	69,400.00
Noye Enterprises Inc.	70,929.52
Envirosystems Inc.	83,393.00
<u>Three Oaks High School - TP#3 Sitework (2017) - March 28, 2017</u>	
Curran & Briggs Limited	455,000.00
<u>Three Oaks High School - TP#9 Elevator - March 28, 2017</u>	
Thyssenkrupp Elevator (Canada) Limited - Non-Compliant Bid	91,982.00
<u>Colonel Gray High School - Oil Tank Replacement - March 30, 2017</u>	
GNL Environmental Inc.	22,505.00
Bevan Brothers Ltd.	24,240.00
Ron's Plumbing & Heating Inc.	27,000.00
Landmark Group - Non Compliant Bid	59,905.00
<u>Prince Street Elementary School - Oil Tank Replacement - March 30, 2017</u>	
Bevan Brothers Ltd.	44,900.00
Ron's Plumbing & Heating Inc.	58,000.00
GNL Environmental Inc.	58,107.00
Landmark Group - Non Compliant Bid	67,143.00

## Projects from Previous Year

Contract administration and quality control was also provided for the following projects that were tendered prior to April 1, 2016:

- Prince County Hospital - Building Controls Upgrade
- Various Schools - IT Consolidation
- LCC Waterfront - Cooler Replacement
- Various Schools - Caulking Program
- Westisle Composite School - Stack Replacement

## Biomass Heat

The Division provided consulting and project management services required to obtain contracts covering the provision of biomass heat for 22 Government facilities. Twenty-one of the biomass heating plants were operational at the end of March 2017. One additional plant is scheduled to be operational by late 2017.

Provision of biomass heat at these facilities, in lieu of fuel oil, will reduce green house gas emissions and provide economic stimulus related to biomass fuel production, construction and system operation.

Contracts covering the provision of biomass heat have been awarded for:

Community Hospital O'Leary	(Operating)
Three Oaks High School	(Operating)
Bluefield High School	(Operating)
Wedgewood Manor	(Operating)
Maplewood Manor	(Operating)
Miscouche School	(Operating)
Western Hospital	(Operating)
Athena School	(Operating)
Summerside Intermediate School	(Operating)
Souris Hospital	(Operating)
Souris K to 12 School	(Operating)
Beachgrove Manor	(Operating)
New PE Home	(Operating)
Provincial Correctional Center	(Operating)
Stonepark School	(Operating)
East Wiltshire School	(Operating)
Eliot River School	(Operating)
Morell High School	(Operating)
Elm Street School	(Operating)
Ecole sur Mer School	(Operating)
Prince County Hospital	(Operating)
Summerset Manor	(Will be operational late 2017)

## Building Maintenance and Accommodations Section

The Building Maintenance and Accommodations Section is responsible for the provision of quality services for Government in the areas of building operations, maintenance, and accommodations; including the day- to-day operation and maintenance of Government buildings and systems. It is also responsible for the short and long term spatial requirements of Government departments and agencies within Government owned and/or leased facilities.

### Building Maintenance and Accommodations Section projects included:

#### Island wide services:

- Elevator maintenance contracts and service
- Snow removal contracts

- Grass cutting contracts
- Pest control contracts and service
- Garbage removal contracts
- Janitorial contracts
- Security contracts and service
- Fire alarm, emergency lighting, fire extinguisher service and inspections
- Boiler maintenance and inspections
- Water testing
- Generator contracts and service
- Building mechanical controls contracts and service
- Leasing of office space
- Accommodations requests
- Daily building maintenance
- Fire Safety Plans

#### **Prince County:**

##### **Prince County Jail & Courthouse**

Interior painting  
 Interior step repairs and new flooring  
 New compressor for AC unit  
 AHU replacement - PH1  
 New water heater - Summerside maintenance office

##### **Summerside Youth Centre**

Sidewalk repairs  
 Partial roof replacement

##### **West Prince RSC- O'Leary**

Interior painting

##### **Access Summerside**

Interior renovations  
 Parking lot repairs  
 New interior signage  
 Exterior painting

##### **Summerside Garage- Siemon Park**

New water softener  
 Interior office renovations

##### **Green Park**

Relocate blacksmith shop

##### **Tignish Sign Shop**

New exterior exit door

##### **St. Eleanor's House**

Mobile renovations  
 Parking lot repairs

##### **Prince County Forestry Office**

Exterior upgrades

##### **Access PEI - Alberton**

Sidewalk and stair replacement

**Queens County:**

**Mona Wilson Bldg**

Interior Painting  
Exterior Ramp modifications  
Interior stair flooring replacement  
Asbestos testing

**Shaw, Sullivan, Jones Bldg**

Jones washroom upgrades  
Interior painting  
AHU System 1 & 2 replacement

**Province House Annex**

Asbestos testing, remediation and installing access hatches  
Slate roof maintenance  
Security camera installation

**Government House**

Sprinkler system replacement  
Fire alarm system upgrade  
Interior painting  
Chimney inspections  
Install attic hatches  
New dishwasher

**Coles Building**

Roof repairs and maintenance  
Exterior lighting upgrades

**Provincial Correctional Centre**

New snow guards  
AHU System 6 replacement  
New dryer - west wing  
Door hardware upgrade  
Site grading and parking lot expansion  
Lift station channel grinder  
New steam kettle  
Domestic hot water modifications

**TIE Storage Warehouse**

Shredder repairs

**Belmont Street Food Bank**

Exterior stair / ramp repairs

**Queens County Forestry Office**

Exterior painting

**Cavendish VIC**

New exterior railing

**Analytical Lab**

Exterior painting  
New solids separator

**Murchison House**

New exterior window and deck repairs

**Kings County:**Montague Office Complex

Security system upgrades  
Interior painting

Highway Material Testing Lab Mt.Stewart

Interior painting  
New eavestrough and downspouts

Kings County Courthouse

Holding cell painting  
New kitchenette  
New interior flooring  
Boiler replacement

Orwell Museum

Exterior repairs to various buildings  
New surge protector

Montague Food Bank

New vinyl siding

**SCHEDULE OF CONSTRUCTION TENDERS RECEIVED MAINTENANCE AND ACCOMMODATIONS****April 1, 2016 - March 31, 2017**Shaw Building - Partial Roof Replacement

Atlantic Roofers Ltd.	84,770.00
Ashe Roofing Ltd.	89,400.00

Government House - Exterior Painting - June 9,2016

Willis Painting	10,900.00
Mallard Demolition	13,740.00

Kings County Court House - Boiler Replacement - June 9,2016

Water Tight Plumbing & Heating	21,092.00
Entire Mechanical Contractors	23,400.00
Doucette Brothers	26,350.00
Bevan Bros. Limited	29,800.00
Kamstar Inc.	30,955.50
Ron's Plumbing & Heating	32,000.00
Precision Mechanical	36,900.00
Direct Energy Business Services	47,000.00

Access PEI O'Leary Interior Painting-June 9,2016

Darrell Smith Painters	9,500.00
Top Notch Painters	11,106.00
Palmer Enterprises Ltd.	12,100.00
MacLellan Construction & Custom Woodworking	18,256.00

Prince County Forestry Depot Exterior Upgrades - July 14,2016

Palmer Enterprises Ltd.	15,200.00
City Glass	15,097.00
Peter MacDonald	15,558.00
MacLellan Construction	15,735.00
G.I.A. Limited	17,211.00
Paul Davis Restoration	17,000.00
Craig Construction	21,384.00

<u>Prince County Courthouse Interior Painting - July 14,2016</u>	
Palmer Enterprises Ltd.	64,400.00
MacLellan Construction & Custom Woodworking	40,000.00
Mallard Painting	76,700.00
<u>Prince County Courthouse Flooring Replacement- July 14,2016</u>	
Town n Country Carpet One	16,400.00
City Flooring	24,949.23
Paul Davis Restoration	26,000.00
<u>Montague Food Bank - Vinyl Siding Replacement - July 26,2016</u>	
A.R.Grant Construction	9,045.00
<u>Queens County Forestry Depot- Exterior Painting - August 9,2016</u>	
Jay's Quality Painting	5,600.00
Island Painting and Decorating Ltd	9,800.00
Willis Painting	14,000.00
<u>Summerside Youth Centre- Partial Roof Replacement - August 9,2016</u>	
Atlantic Roofers Ltd.	95,772.00
A-Tech Roofing ltd	118,200.00
<u>Provincial Correctional Centre-System 6 AHU Replacement- August 11,2016</u>	
J & S Sheet Metal Ltd.	46,700.00
Entire Mechanical Contractors	56,600.00
<u>Shaw Building -System# 1 &amp;2 AHU Replacement - August 11,2016</u>	
J & S Sheet Metal Ltd.	111,600.00
Entire Mechanical Contractors	111,750.00
Advanced Air Systems Inc.	139,845.00
<u>Kings County Courthouse- Flooring Replacement - August 11,2016</u>	
Loyalist Marble & Tile Ltd.	8,460.00
Flooring Canada Charlottetown	9,457.59
Tile Master Inc.	9,900.00
<u>Provincial Correctional Centre Parking Lot Expansion-September 14,2016</u>	
Island Coastal Services Ltd	64,799.89
<u>Access PEI Alberton Sidewalk &amp; Stair Replacement - September 14,2016</u>	
Palmer Enterprises Ltd.	20,980.00
<u>Mona Wilson Interior Painting- September 29,2016</u>	
Mallard Painting	21,300.00
Island Painting and Decorating Ltd	23,800.00
<u>Fisheries Warehouse Furnace Replacement - November 3,2016</u>	
Entire Mechanical Contractors	17,490.00
Bevan Bros. Limited	22,225.00
<u>Government House Sprinkler System Replacement - December 8,2016</u>	
Island Sprinkler Systems Ltd	98,880.00
Vipond Inc.	117,725.00
Troy Life & Fire Safety Ltd	141,568.00
Le Blanc Ltd	171,500.00
<u>Government House Fire Alarm System Upgrade - January 5,2017</u>	
R.Cudmore Electric ltd	10,850.00
Olympia Electric Ltd	11,000.00

Jamison Electric & Refrigeration Ltd	13,800.00
Hansen Electric Ltd	18,300.00
Capital Electric & Refrigeration Ltd	32,143.00

Four Neighbourhoods Health Centre-Public Health Dental Clinic Renovations - January 5,2017

Sperra Construction Group	33,500.00
MacLeans Construction Ltd	4,250.00
Brighton Construction ( non compliant bid submission)	29,500.00

Government House Annual Flowers - January 12, 2017

Kool Breeze Farms	4,018.00
Jewell's Country Market- Non Compliant Bid Submission	3,474.90
Island Pride Non Compliant Bid Submission	3,714.00
Van Kampen's	4,077.00

Humidifier Replacement Eptec Centre- February 28,2017

Entire Mechanical Contractors	22,622.00
Mr Plumber	25,980.00
Bevan Brothers Ltd	26,557.00
Precision Mechanical Inc.	29,700.00

Prince County Courthouse & Jail AHU Replacement- March 16,2017

J & S Sheet Metal	97,700.00
Poirier Heating and Cooling Inc.	99,846.00
Entire Mechanical Contractors	108,400.00
Advance Air Systems Inc.	119,400.00

## **LAND AND ENVIRONMENT DIVISION**

The Land and Environment Division is comprised of three sections including Environmental Management, Properties and the Office of the Provincial Chief Surveyor. The Division provides the staff and resources required to:

- provide environmental management and regulatory compliance services for the Department, and for others conducting activities within the Provincial Right-of-Way;
- provide core land management and administration for all government lands and holdings, and real estate services on behalf of all government departments; and
- provide land and engineering surveying services for the Department and other government agencies, provide expertise on boundary law and the law on public roads, and maintain the Provincial cadastral infrastructure.

General activities and specific projects carried out by each section are summarized below.

### **ENVIRONMENTAL MANAGEMENT SECTION**

The Department's Environmental Management Section (EMS) is responsible to ensure environmental management and regulatory compliance during construction and maintenance work performed by the Department, or by others, within the Provincial Right-of-Way (ROW). The Section implements an Environmental Management System that includes the following key elements: departmental project approval process; environmental protection planning; project inspections and compliance monitoring; environmental education and training; environmental design and planning; policy/program development; environmental assessments and studies; and, public consultation and public partnering projects. Highlights of the Section's activities are provided below:

### Project Registration and Approval Process

The Department's approval process remains the cornerstone for environmental control on a project-by-project basis. This process requires that each maintenance or construction project, or any work activity by others within the Provincial ROW, be registered with the Environmental Management Section (EMS) through submission of a project application form and/or with a site meeting. Subsequently, the proposed projects are reviewed and assessed for potential environmental effects, and an approval-to-proceed is issued, complete with project specific conditions-of-approval. All field staff working within the Environmental Management Section are designated as Environmental Protection Officers under the PEI Environmental Protection Act. All approvals issued by the EMS are issued under authority of the self-permitting agreement that has been developed between the Department of Transportation, Infrastructure and Energy and the Department of Communities, Land and Environment (DCLE).

### Project Approvals

The EMS issues four types of project approvals. The type of approval issued is based on assessment of the environmental risk associated with the project, the time of year, and the method in which the project will be completed. The four types of project approvals are:

- Blanket Approval
- Field Approval
- Approval-to-Proceed
- Approval-to-Proceed with accompanying Watercourse, Wetland or Buffer Zone Activity Permit issued by DCLE

The Section processed 286 environmental assessments/project approvals during 2016-2017, including 199 field approvals. A summary of the 286 approvals issued during the year is provided in the table below. They are categorized by county and approval-type. Typically, each approval involves a pre-construction project site inspection, identification of job-specific conditions-of-approval, issuance of the approval-to-proceed, and follow-up environmental compliance inspections on each project.

**2016 Environmental Management Section Project Approvals**

County	Blanket Approval	EMS Approval (only)	EMS Field Approval	EMS Approval & DCLE Permit	Total
Prince	7	21	41	7	76
Queens	7	22	63	7	99
Kings	7	7	95	2	111
Province	21	50	199	16	286

### Blanket Approvals

Across the Province, the Department conducts several activities that are repetitive in nature with low potential for causing adverse environmental effects. To simplify the approval process for these types of activities, the activities have been grouped by activity-type and each activity-type has been assigned a blanket approval with standardized conditions-of-approval. Generally, a blanket approval provides authorization for multiple projects of the same activity-type to be completed under a district by county-based approval.

EMS now issues blanket approvals to the Department's Highway Maintenance Division (HMD), Bridge Maintenance Section, Capital Projects Division, Confederation Trail Program, as well as Canada Post and Maritime Electric. The issuing of these approvals streamlines the project registration and approval process, while at the same time, maintaining established standards of environmental protection.



A summary of projects completed in each county during 2016-2017 for the various blanket approval types is provided in the following table:

### 2016 Blanket Approval Summary

Blanket Approval Type	Number of Blanket Approval Projects Completed			
	Kings County	Queens County	Prince County	Provincial Total
Millings, Gravel and/or Asphalt Placement	44	20	24	88
Road Bump Installations	0	0	3	3
Shore Access	0	4	7	11
Maintenance of Environmental Controls	18	49	22	89
Guardrail Reinstatement (with shoulder work)	2	35	18	55
Confederation Trail Surface and Slope Repairs	3	4	5	12
Confederation Trail Vegetation Management	4	11	0	15
Ditching	12	36	40	88
Brush Cutting	128	86	71	285
Timber Pile Bridge Minor Repair	0	0	2	2
Unpaved Road Improvements With/Without Ditching (within 30 m of Watercourse/Wetland)	1	16	0	17
Surface Water Cross Culvert Replacement	14	15	15	44
Repair, Increase or Replace Stabilization Materials at Watercourse/Wetland	6	7	11	24
Maintenance of Provincial Tap Drains	0	4	5	9
Repair/Replace Timber Floors	0	0	4	4
Shoulder Grading/Planing & Material Placement	24	56	26	106
Debris Removal From Structures	0	2	2	4
Asphalt Overlay	1	18	12	31
Welcome Mat Maintenance (i.e. asphalt, painting, etc.)	0	1	0	1
Total Blanket Approval Projects	257	364	267	888

### Field Approvals

The field approval enables a project proponent to receive an approval-to-proceed from the EMS Environmental Officer at the initial site meeting, with no additional paperwork or submission requirements. Most projects that receive a field approval have a greater potential for causing environmental impacts than those projects that would receive an EMS Approval-to-Proceed. In 2016-2017, 199 field approvals were issued.

### **EMS Approval-to-Proceed**

The EMS Approval-to-Proceed permit allows our Environmental Management Section to issue approvals for projects that present a higher degree of environmental risk. Each proposed project is subject to an application process which provides a departmental Environmental Officer with an opportunity to review the project, workplan, timeframe, assess the potential impacts, and develop a set of conditions to be followed. In 2016-2017, 50 EMS Approval-to-Proceed permits were issued.

### **EMS Approval-to-Proceed with DCLE Watercourse, Wetland, or Buffer Zone Activity Permits**

Projects which are approved under the EMS Approval-to-Proceed with DCLE Watercourse, Wetland, or Buffer Zone Activity permits are subject to review by EMS, the Provincial Department of Communities, Land and Environment and, in some circumstances, Fisheries and Oceans Canada. These types of projects include activities which are considered to be of significant risk to the environment. Similar to the EMS Approval-to-Proceed permit, projects approved under this type of permit are subject to an application process, which involves a review of the project, workplan, timeframe, and an assessment of the potential environmental impacts. Upon completion of the review, an approval with specific conditions is issued; considerations of time of year and work method are major factors in the granting of these approvals. In 2016-2017, 16 EMS Approval-to-Proceed with DCLE Watercourse, Wetland, or Buffer Zone Activity permits were issued.

### **Environmental Audit Results**

Annually, at the end of the construction season, an environmental audit is undertaken. The audit provides an opportunity to discuss work methods, environmental controls, and new and different methods of conducting work. In 2016, 26 projects were audited by the Environmental Management Section. Of the 26 projects, 22 met the requirements of the permit and 4 met most of the requirements of the permit and have since been revisited and now meet the requirements of the permit. The Department of Communities, Land and Environment, along with the Department of Fisheries and Oceans, conduct their own environmental audit of TIE projects.

### **MISCELLANEOUS INITIATIVES AND SERVICES**

The EMS is involved with completing or coordinating a variety of additional environmental initiatives/services. Some of the more notable are described below:

#### **Training Delivered**

In 2016-2017, EMS staff coordinated environmental management round-table discussion sessions with several TIE Divisions. The topics of these sessions included TIE environmental policies and procedures, changes to the *Environmental Protection Act*, as well as the installation of proper environmental controls and activities such as in-stream culvert work, ditching, etc.

#### **Policy and Program Development**

The EMS develops and/or administers various departmental policies and programs to assist in providing structured implementation of departmental objectives and activities. The policies ensure that a consistent and clear approach to specified activities is understood and followed by the Department, as well as external agencies or persons such as engineering consultants, contractors or municipalities performing these same activities within the Provincial ROW.

#### **Programs**

- Joint Beaver Management Program with DCLE
- Duty to Consult Operational Protocol
- Environmental Audit Program
- Fish Passage Restoration Program
- Environment Fund Program
- Agricultural Siltation into ROW
- Adopt-A-Highway Program
- Fuel Spill Response Procedures

#### **Policies**

- Water Well Replacement Policy
- Wetland Conservation Policy
- Culvert Sizing Policy
- Approval-to-Proceed Renewal/Modification/Extension Policy
- Frequency and Documentation Required for Environmental Inspections
- Seeding Policy

### **Designated Scenic Heritage Roads**

The EMS implements a Management Strategy for Designated Scenic Heritage Roads (DSHR). The strategy recognizes that the historical and aesthetic value of the DSHR are best protected through limited disturbance and change, and provides a practical guide for implementation of cost-effective protection methods to maintain the heritage of these unique roads and their surrounding sensitive environments, including watercourses. Designation and administration responsibilities for scenic heritage roads are outlined in the *Roads Act*. The EMS ensures best management and minimal disturbance of the DSHRs through reviewing and approving work undertaken on these roads in consultation with a provincial wildlife biologist. By county, the DSHRs are: Prince County - Walls Road, Hackney Road; Queens County - Millman Road, Old Princeton Road, Warburton Road, Perry Road, Jacks Road, Junction Road and Klondyke Road; Kings County - Mellish Pond Road and County Line Road.

### **Agriculture-Related Work**

In an effort to control the potential effects of agriculture-based projects on the Provincial ROW, the EMS established a protocol with the Provincial Agriculture Department that requires their identification of proposed projects through submission of Project Registration Applications to the EMS. The EMS then coordinates onsite project assessments with Agriculture representatives to identify and resolve any department-related issues including methods to avoid ROW impacts, cost responsibility for any associated department work, restoration requirements for affected ROW areas, etc.

### **Agricultural Encroachment on ROW**

Each year, Provincial ROWs are significantly impacted by agricultural operations in a number of locations across the Province. These impacts include: excessive stormwater flow being directed into the ROW; eroded sediment depositing in ditches and culverts; liquid manure flowing into ditches and culverts; and, vegetable processing wash water being directed into ditches and culverts. EMS staff identify these encroachments, gather applicable information and forward a complaint to the Provincial Agriculture Department who, in turn, work with the land owner and TIE to rectify the problem.

### **Adopt-A-Highway Program**

Building on the success of the Federated Women's Institute Annual Roadside Cleanup, this program enables Islanders to expand their efforts to combat roadside litter. The EMS, with the assistance of the Provincial Environment Department, developed the Adopt-a-Highway Program and coordinates implementation of the program for the Province. Businesses, community groups and organizations can adopt a minimum five kilometre section of Island roadway and agree to conduct a Fall and Spring cleanup each year.

### **Fish Passage Restoration Program**

The EMS and HMD continue to work with local watershed groups from across the Province, along with the Atlantic Salmon Federation, and the Provincial Department of Communities, Land and Environment, to identify and repair fish passage barriers at highway culverts.

### **Environmentally-based Community/Public Partnering Projects**

The EMS annually coordinates the Department's involvement in a variety of environment-related community/public partnering initiatives that enhance the environment or provide environmentally beneficial results for the general public. These requests for assistance typically involve work that can be grouped into four categories: sediment control; fish passage restoration; erosion control; and community access.

Department work may involve in-kind provision of materials or services by the EMS and Highway Maintenance Division. The EMS worked with 15 local community and watershed-based groups in 2016-2017 to coordinate the completion of more than 30 watershed-based improvement projects.

### **Beaver Management**

The EMS coordinates a Beaver Management Program, consistent with the Department's Beaver Management Policy, developed to address the problem of highway culverts frequently being obstructed by beaver activity. During the period of May through November, three Beaver Management Workers (BMWs) are hired to pro-actively identify and address road-related beaver problems across the Province, using the preferred management method of "by hand" restoration. This program is a cooperative cost-shared program between the EMS and the Forests, Fish and Wildlife Section of the Department of Agriculture and Fisheries.

The cost of hiring the BMWs is small compared to the potential cost of responding to emergency events such as floods and washed-out roadway culverts caused by beaver activity, as well as potential damage to surrounding property and aquatic ecosystem. The BMWs identified and managed beaver problems at 131 sites in 2016-2017.

### **Committee Participation**

The EMS represents the Department on a number of inter-governmental and external committees. The following is a list of some committees that the EMS has participated on:

- Bonshaw Hills Public Lands Sub-Committee
- Upton Farm Trust Committee
- Provincial Land Use Coordinating Committee
- Natural Areas Protection Act Committee
- Transportation Association of Canada (TAC) Environment Council
- Provincial Environmental Assessment Review Committee
- Transportation Association of Canada (TAC) Road Salt Working Group
- Provincial Climate Change Secretariat
- Provincial Transportation Energy Committee

### **Regulatory Approvals and Environmental Assessments**

On behalf of the Department, the EMS acquires project approvals from external Federal and Provincial regulators, and coordinates the completion of Federal assessments/screenings for larger capital projects. The common types of approvals required include Provincial Environmental Assessment Review, *Navigable Waters Protection Act* (NWP) Approval, reviewed by Fisheries and Oceans Canada to determine whether a project will result in serious harm to fish, and Watercourse, Wetland, and Buffer Zone Activity Permits. In 2016-2017, EMS began working on a Provincial EIA process for the Trans Canada Highway Extension, Cornwall to Clyde River project.

#### **NWP Approvals**

Administered by Transport Canada, NWP approvals are acquired primarily for the Department's bridge replacement projects, and are intended to ensure that the public's right of navigation is protected from works which might interfere with navigation. The NWP approval process includes submission of an application with project design plans and a project-specific environmental assessment (CEAA Screening), public advertisement of the project, and stakeholder consultations.

### **THE OFFICE OF THE PROVINCIAL CHIEF SURVEYOR**

This office provides land surveying services and expert opinion on legal and technical aspects related to land surveying and maintains a close working relationship with the Properties, Capital Projects, Highway Maintenance, Building Design and Construction sections of the Department. Expertise and services are also provided to other departments including: Communities, Land and Environment; Finance; Agriculture and Fisheries; Economic Development and Tourism; government agencies and boards; community groups; as well as the greater legal, engineering and land surveying community throughout the Province. The following are essential functions of the Section:

- provide timely, comprehensive and efficient land and engineering surveying services on public roads and provincial lands;
- provide technical expertise and regulate surveys completed under the Natural Gas Act and the Mineral Resources Act;
- collect evidence and provide expert opinion on the tenure (public or private) of particular roads, rights-of-ways and public easements in the Province;
- maintain and manage the provincial control survey networks and provide technical assistance to various GNSS/GIS users on the provincial datum and mapping plane;
- maintain a library of documentary evidence and case law related to land tenure and surveying in Prince Edward Island and other provinces; and
- coordinate survey training sessions and develop standards for engineering and legal surveying crews within the Department, as well as coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards.

Staff members are specifically trained in land surveying and particularly in the collection and assessment of boundary evidence. Staff currently consists of one professional land surveyor/professional engineer, two geomatics technicians, a research technician, a research/administrative support clerk, and two survey crews.

In the past year, approximately 106 files have been created in this section consisting of road status requests, right-of-way and easement acquisitions, and legal and topographic surveys.

### **Public Roads**

In the past year, the Office has opened approximately 30 files relating to road width and status inquiries. Disputed public roads continue to consume a major portion of the section's resources. Often at issue is the existence of a public road leading to the shore that is not visible on the ground, nor shown on the provincial highway atlas, or the width of the road is less than the current standard of 20.117 metres (66').

Resources are now more dedicated towards gathering the appropriate information required to defend the tenure of the non-essential roads, than the roads that are either classified and/or accepted into our network of maintained public roads. The section will be working towards resolving this imbalance.

Through ongoing research associated with individual requests regarding public roads, the Office has become more knowledgeable in the historic land tenure process associated with the development of the Province's road infrastructure.

### **Legal Surveys**

In the past year, the Office has undertaken a number of legal surveys. The majority of the legal surveys have been prepared either for road acquisitions such as lands for new roundabouts, highway widening, intersection re-alignment, or for highway drainage easements through private lands. Additional surveys have been undertaken by the Office to facilitate the design and expansion of elementary schools, provincial manors, and general government facilities. These surveys generally include both the legal component of a boundary survey, together with the associated engineering surveys required for site design. Survey plans for the acquisition of land for the Maypoint and Poplar Island roundabouts have been completed. Work has been done on the surveys for the realignment of the Trans Canada Highway at Mt. Mellick. Work has also been carried out on the new Government Highway Maintenance Depot site on the Brackley Point Road. Survey work has been started for land acquisition for the Trans Canada Highway Extension, Cornwall to Clyde River project.

### **Provincial Survey Reference System**

The GNSS-based active control network has now been in use by Government survey crews for two years. The system has performed within the specifications of the manufacturer and has improved efficiency of gathering data in the field by the survey crews. The system has proven to be fairly robust, with very few outages, most of which are related to localized power outages in the areas where the stations are located. An inspection schedule is being implemented to ensure that the system components are in a good state of repair, and to further ensure that any maintenance issues are dealt with before they become larger and lead to more serious problems. Coverage of the system Island-wide is very good. There is, however, an area near Skinner's Pond which has caused some issues in receiving signals through our wireless provider and has since been confirmed by users in the private sector. The section is now producing plans with coordinates reflected in this system, with observed ties to existing passive monuments to allow for conversion from the active control network to the monument network for those in the private sector not currently using the active control network.

### **Legislation**

Work is proceeding on the proposed revisions and amendments to the *Land Survey Act*. Government, in conjunction with this Office and the Association of Prince Edward Island Land Surveyors, have formed a working committee which has compiled a list of proposed changes to the Act and the rationale for them. The changes proposed so far have been vetted by the Department and the Legislative Council. The Legislative Council has provided feedback to the committee on the work done to-date, to refine the amendments which were proposed to make the terminology consistent throughout, and to remove any ambiguity in the wording.

## PROPERTIES SECTION

### General Activities

The Properties Section is responsible for the provision of real estate services on behalf of all government departments in regards to the ownership of provincial properties. Examples of the types of real estate services that are commonly provided are as follows:

- Appraisals
- Acquisitions
- Disposals
- Negotiations
- Marketing
- Leasing
- Building Demolitions
- Expropriations
- Title Research
- Paralegal Services
- Consulting
- Property Management
- Public Tenders
- Public Relations

Real estate services are also provided to other government agencies such as the English Language School Board, Health PEI, PEI Energy Corporation, Island Waste Management Corporation, PEI Liquor Control Commission, Charlottetown Area Development Corporation, Innovation PEI, as well as the Museum and Heritage Foundation, Holland College, municipalities and other local development corporations formed to promote economic growth outside the larger municipal centres.

The Properties Section maintains a computer-based filing system (Land Information Management System - LIMS) capable of tracking property inventory, lease renewals, rental payments, properties acquired, sold and leased, production of reports pertaining to provincial land inventory and recording of requests received regarding provincial lands.

Staff members participate on various government committees including the Land Use Coordinating Committee, Provincial Land Review Subcommittee, *Natural Areas Protection Act* Technical Advisory Committee, Resource Land Acquisition Fund Committee and the Rail Land Review Committee.

As of March 31, 2017, there were approximately 2,273 essential properties (totalling 98,632 acres) and 151 surplus properties (totalling 406 acres) held in provincial ownership and under the management of various government departments.

For the period April 1, 2016 to March 31, 2017, the Properties Section received 459 inquiries related to provincial property matters.

### Property Leases - April 1, 2016 to March 31, 2017

For the period April 1, 2016 to March 31, 2017, there were 93 lease agreements on 105 provincial properties (1,327 approximate acres) generating a revenue of \$66,751.00 for this period.

In addition, there were an additional 296 lease or licence agreements on 541 provincial properties that are not revenue generating, i.e., leased to communities or nonprofit organizations for a nominal sum. This number also represents licences to complete activities on the Confederation Trail and within the road right-of-way when approved by the appropriate authority.

### Property Acquisitions (Not RLAF) - April 1, 2016 to March 31, 2017

Parcel	Location	Acreage	Amount	Notes
540799	St. Margarets	2.00 acres	7,181	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
609750	Bristol	0.69 acres	7,423	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
659813	St. Margarets	1.17 acres	4,511	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.

Parcel	Location	Acreage	Amount	Notes
688259	Riverton	0.50 acres	4,509	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
643775	Glenwilliam	0.33 acres	3,750	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
402776	New Argyle	0.25 acres	7,442	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
655761	Mayfield	0.77 acres	3,792	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
16642	Huntley	6.30 acres	28,432	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
609750	Bristol	0.69 acres	7,423	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
510545	Richmond	7.00 acres	0	Transfer of property used as a former land fill/dump site to the Province.
293316	Rose Valley	0.38 acres	7,056	Tax sale property transferred to Provincial ownership for amount of taxes and legal costs owing.
<b>Total</b>	<b>11 Properties</b>	<b>20.08 acres</b>	<b>81,519</b>	

**Property Acquisitions (RLAF) - April 1, 2016 to March 31, 2017**  
**(RLAF - Resource Land Acquisition Fund)**

Parcel	Location	Acreage	Amount	Notes
1057	Nail Pond	46.50 acres	50,000	Acquired for the Department of Communities Land & Environment.
149930	Head of Hillsborough	56.00 acres	10,000	Acquired for the Department of Communities Land & Environment. Government paid \$10,000.00 and Ducks Unlimited paid \$5,000.00.
259671	Peters Road	50.00 acres	42,000	Acquired for the Department of Communities Land & Environment.
398487	Mount Herbert	2.75 acres	35,000	Acquired for the Department of Tourism & Culture ( Parks Division).
579680	Millvale	47.00 acres	52,000	Acquired for the Department of Communities Land & Environment.
586024	Millvale	22.00 acres	20,000	Acquired for the Department of Communities Land & Environment.

Parcel	Location	Acreage	Amount	Notes
783175	Howlan	57.36 acres	63,000	Acquired for the Department of Communities Land & Environment. Total includes \$995.95 for legal fees.
1086883	Coleman	63.78 acres	28,000	Acquired for the Department of Communities Land & Environment.
<b>Total</b>	<b>8 Properties</b>	<b>345.39 acres</b>	<b>300,000</b>	

**Easements Granted - April 1, 2016 to March 31, 2017**

Parcel	Location	Acreage	Amount	Notes
208686	Tryon	0.17 acres	0	Right-of-Way granted to allow access.
606962	Tryon	0.04 acres	0	Right-of-Way granted to allow access.
823930	Cardigan Head	0.028 acres	0	Right-of-Way granted over CNR corridor to access adjacent property.
555722	Carleton Siding	0.11 acres	0	Right-of-Way granted over CNR corridor to access adjacent property.
440149	Dunstaffnage	0.06 acres	0	Right-of-Way granted over CNR corridor to access adjacent property.
745026	Hazelbrook	0.04 acres	0	Right-of-Way granted over CNR corridor to access adjacent property.
100024	Souris	0.04 acres	500	Right-of-Way granted over CNR corridor to access adjacent property.

**Easements Acquired - April 1, 2016 to March 31, 2017**

Parcel	Location	Acreage	Amount	Notes
568782	Mount Stewart	0.19 acres	500	Acquired easement for storm water management.
185785	Alberry Plains	0.17 acres	0	Acquired easement for tap drain.
289637	Stratford	0.097 acres	0	Acquired easement for temporary turning area.
289637	Stratford	1.45 acres	0	Acquired easement for storm water management.
8284	St. Louis	0.01 acres	0	Acquired easement for tap drain.
1036045	Alberry Plains	0.29 acres	0	Acquired easement for tap drain.
402909	Bonshaw	0.16 acres	0	Acquired easement for parking and drainage purposes.



Parcel	Location	Acres	Amount	Notes
402909	Bonshaw	0.02 acres	0	Acquired easement for trail access.
146241	Mount Stewart	0.01 acres	500	Acquired easement for storm water management.
146290	Mount Stewart	0.11 acres	500	Acquired easement for storm water management.
325894	Iona	0.03 acres	500	Acquired easement for arch structure.
1016302	Kensington	0.068 acres	0	Acquired easement for tap drain.
7773	Harper	0.51 acres	1,800	Acquired easement for storm water management.
270736	Murray Harbour	0.04 acres	0	Acquired easement for storm water management.
270611	Murray Harbour	0.043 acres	0	Acquired easement for storm water management.
264317	Mont Carmel	0.27 acres	0	Acquired easement for tap drain (.21 acres) and for temporary turning area (0.06 acres).
218719	Bonshaw	0.02 acres	0	Acquired easement for installation of streetlights.
481846	Tignish	0.07 acres	0	Acquired easement for storm water management.
481853	Tignish	0.04 acres	0	Acquired easement for storm water management.
554162	Northam	0.09 acres	500	Acquired easement for storm water management.
939256	Stanchel	0.11 acres	4,000	Acquired easement for storm water management.
603134	Brackley	0.14 acres	0	Acquired easement for tap drain.
628024	Northam	0.11 acres	500	Acquired easement for storm water management.
672998	Iona	0.09 acres	2,000	Acquired easement for site distance.
129494	St. Charles	0.15 acres	0	Acquired easement for tap drain.
167148	DeGros Marsh	0.36 acres	0	Acquired Right-of-Way for access to Government owned property over PIDs 167130, 167080 and 168005.
167122	DeGros Marsh	0.22 acres	0	Acquired Right-of-Way for access over PID #167130.
<b>Total</b>	<b>27 Properties</b>	<b>4.868 acres</b>	<b>10,800</b>	

### Disposals for Highways - April 1, 2016 to March 31, 2017

Parcel	Location	Acreage	Amount	Notes
264317	Mont Carmel	0.45 acres	0	Portion of old road bed closed and conveyed to adjacent property owner in exchange for a portion of Fifteen Point Road extension encroaching on clients property.
74492	Travellers Rest	0.15 acres	0	Portion of old road bed closed and conveyed to adjacent property owner.
74039	Travellers Rest	0.089 acres	0	Portion of old road bed closed and conveyed to adjacent property owner.
133348	Brackley	0.22 acres	0	Portion of old road bed closed and conveyed to adjacent property owner.
133652	Brackley	0.25 acres	0	Portion of old road bed closed and conveyed to adjacent property owner.
122176	Cable Head East	0.22 acres	500	Portion of old road bed closed and conveyed to adjacent property owner by Quit Claim Deed.
169730	Georgetown	1.50 acres	500	Portion of old road bed closed and conveyed to adjacent property owner.
185728	Alberry Plains	0.30 acres	0	Portion of old road bed closed and conveyed to adjacent property owner.
219097	Oyster Bed	0.10 acres	0	Disposed of old road bed in exchange for portion of client's property that is being used for public road.
146241	Mount Stewart	0.04 acres	0	Disposed of property by Quit Claim Deed.
603134	Brackley	1.92 acres + house	55,264	Disposed of property by Public Tender process.
146290	Mount Stewart	0.04 acres	0	Disposed of property by Quit Claim Deed.
218743	Bonshaw	0.20 acres	0	Property conveyed to adjacent land owner to clarify the boundary line issue that arose from the TCH Bonshaw Road widening project.
405464 & 208215	Tryon	2.14 acres	30,000	Province exchanged Parcel A & D (total area 2.14 acres) for PID #218719 (.47 acres) with house.
227199	New Haven	1.16 acres	1,793	Part of a land exchange with portion of PID #936435, which was acquired to construct a safer parking area beside Gass's store in New Haven.
<b>Total</b>	<b>15 Disposals</b>	<b>8.779 acres</b>	<b>88,057</b>	

**Acquisitions for Highways - April 1, 2016 to March 31, 2017**

<b>Parcel</b>	<b>Location</b>	<b>Acres</b>	<b>Amount</b>	<b>Notes</b>
208579	Tryon	2.10 acres	20,000	Acquired to remove the access from this section of the arterial highway in Tryon.
239442	Oyster Bed	0.07 acres	0	Acquired a portion of client's property that is being used for public road in exchange for disposal of old road bed.
1080100	Tryon	0.06 acres	373	Acquired for road realignment project.
208298	Tryon	0.057 acres	4,627	Acquired for road realignment project.
208231	Tryon	1.72 acres	7,000	Acquired for road realignment project.
590752	Tyne Valley	0.08 acres	900	Acquired for new bridge structure.
612713	Tracadie Cross	0.06 acres	2,000	Acquired for road widening.
651851	Tyne Valley	0.08 acres	1,140	Acquired for new bridge structure.
118455	Souris West	0.46 acres	0	Acquired to correct encroachment issue.
289637	Stratford	1.73 acres	0	Acquired for new subdivision street.
131540	Tracadie Cross	0.18 acres	3,740	Acquired for road widening.
130658	Tracadie Cross	0.12 acres	800	Acquired for road widening.
130690	Tracadie Cross	0.32 acres	1,600	Acquired for road widening.
430082	Tracadie Cross	0.10 acres	2,100	Acquired for road widening.
432054	Mount Mellick	7.84 acres	56,100	Acquired for road realignment project.
124180	Baldwin Road	0.16 acres	2,300	Acquired for new roundabout project.
994798	Brackley	0.09 acres	15,681	Acquired to create a left hand turn into the new Government Garage Depot.
936435	New Haven	0.094 acres	0	Part of a land exchange with portion of PID #227199, which was acquired to construct a safer parking area beside Gass's store in New Haven.
128926	Mount Mellick	0.44 acres	13,000	Acquired for road realignment project.
128918	Mount Mellick	0.77 acres	23,650	Acquired for road realignment project.
720359	Oyster Bed	1.05 acres	0	Land donated for road widening.

PID	Location	Acreage	Amount	Notes
769794	North Tryon	0.14 acres	1,000	Acquired for road realignment project.
218719	Bonshaw	0.47 acres	0	Province exchanged Parcel A & D (total area 2.14 acres) for PID #218719 (.47 acres) with house.
222141	Central Bedeque	6.81 acres	40,000	Acquired for future TCH improvements.
720003	Pleasant Valley	0.11 acres	0	Land was donated to Government to be used for future intersection improvement at Route 2 and Route 227.
228288	Clyde River	0.004 acres	500	Acquired for road realignment project.
479782	Souris West	0.02 acres	1,500	Acquired for bridge replacement and to correct encroachment issue.
387365	Charlottetown	0.06 acres	15,750	Acquired for new roundabout project.
386557	Charlottetown	0.18 acres	47,250	Acquired for new roundabout project.
719302	Brackley	0.015 acres	0	Acquired for road realignment project.
129007	Mount Mellick	1.18 acres + commercial building	180,000	Acquired for the purpose of removing the commercial access off of the TCH.
151993	Eglington	0.78 acres	0	Acquired for road widening.
130716	Tracadie Cross	0.05 acres	800	Acquired for road widening.
264317	Mont Carmel	0.07 acres	0	Acquired a portion of Fifteen Point Road extension encroaching on client's property in exchange for old road bed conveyed to PID #264317.
808204	Victoria Cross	0.57 acres	59,500	Acquired for future intersection re-alignment.
883124	Cornwall	0.25 acres + 4 unit apt. building	297,000	Acquired for new Cornwall bypass project.
679852	Cornwall	65.00 acres	823,000	Acquired for new Cornwall bypass project.
885954	Tracadie Cross	0.12 acres	3,000	Acquired for road widening.
245225	Cornwall	79 acres	536,800	Expropriated settlement Cornwall bypass project.
<b>Total</b>	<b>39 Properties</b>	<b>172.41 acres</b>	<b>2,161,111</b>	

**Property Disposals (Not RLAF) - April 1, 2016 to March 31, 2017**

<b>Parcel</b>	<b>Municipality</b>	<b>Area/Acreage</b>	<b>Amount</b>	<b>Notes</b>
211045	Borden-Carleton	0.39 acres	0	Decision of Government to convey land and abandoned house to the Town of Borden-Carleton.
1028273	Montrose	0.43 acres	0	Decision of Government to convey land to Montrose Community Club Inc. with a reversionary clause.
498220	Kensington	0.92 acres	0	Decision of Government to convey land to the Town of Kensington for a washroom/change facility, with a reversionary clause.
170910	Georgetown	0.42 acres	0	Decision of Government to convey land to the Town of Georgetown to be the site of a new maintenance building.
101329	Souris	0.12 acres	1,000	Tax sale property sold by Public Tender process.
290874	Fredericton	0.28 acres	2,505	Disposed of vacant land by Restricted Tender process to adjacent land owner.
1059765	Stratford	0.48 acres	25,000	Disposed of house and land by Public Tender process.
404202	Dundas	0.29 acres	1,800	Tax sale property sold to adjacent landowner by Restricted Tender.
402958	Bonshaw	0.20 acres	0	Conveyed property to accommodate renovations for the Bonshaw United Baptist Church.
39610	Woodstock	272.00 acres	500,000	Transfer of the Mill River Golf Course, the Mill River Camp Ground and the Mill River Fun Park to 9711864 Canada Inc.
47217	Woodstock	4.00 acres	0	Transfer of the Mill River Golf Course, the Mill River Camp Ground and Mill River Fun Park to 9711864 Canada Inc.
559534	Woodstock	14.80 acres	0	Transfer of the Mill River Golf Course, the Mill River Camp Ground and the Mill River Fun Park to 9711864 Canada Inc.
<b>Total</b>	<b>12 Disposals</b>	<b>294.33acres</b>	<b>530,305</b>	

### Property Disposals (RLAF) - April 1, 2016 to March 31, 2017

Parcel	Location	Acreage	Amount	Notes
76885	Kensington	0.002 acres	500	Disposed of property to correct encroachment issue.
<b>Total</b>	<b>1 Disposal</b>	<b>0.002 acres</b>	<b>500</b>	

## CAPITAL PROJECTS DIVISION

### CHIEF ENGINEER'S REPORT

The Capital Projects Division is responsible for the planning, design, construction and reconstruction of the Province's highways and bridges. This includes the associated tasks of data collection, surveying, mapping, materials testing, traffic engineering and bridge maintenance.

The responsibilities for planning, surveying, construction, and reconstruction, come under the direction of the Chief Engineer with assistance from two Regional Engineers. The Chief Engineer's office is located in Charlottetown. The main offices for the Eastern Region are located in Charlottetown and Georgetown. The Western Region offices are located in Charlottetown and Slemon Park. Traffic operations and sub-division development are directed by our Traffic Operations Engineer, located in the Charlottetown office. The two regions are managed by two Traffic Operations Managers, one working out of both Charlottetown and Georgetown, and one working out of Slemon Park who is also responsible for the Provincial Sign Shop in Tignish.

The design of highways and bridges is managed from the Charlottetown office, as is the project management of bridge construction and maintenance. The structural highway design and testing of construction materials is managed from the Highway Testing Laboratory in Mt. Stewart, with additional testing facilities at the Slemon Park location.

Planning within Capital Projects emphasized the need for: completing work early in the fall under favourable weather conditions; tendering the work in larger projects to improve quality control; and, the reduction of overall construction costs. The Department's emphasis is now on improvements to the Trans Canada Highway and the continuation of dedicating more resources to bridge replacement. The total capital highway and bridge expenditures for FY2015/16 was approximately \$45,434,079. The Department's Bridge Maintenance expenditures are covered under the ordinary budget accounts.

A new funding agreement with Ottawa, Build Canada Fund, was put in place in 2014. This agreement is a 10-year funding deal between the Federal and Provincial governments. Under the New Build Canada Funding agreement, there were 15 projects completed, four larger projects were completed on Route 1 with the remaining projects located on various sections of Route 2. We also completed the carry-over project of the Souris Bridge. The New Deals for Cities and Communities Projects included 12 projects including; Bagnall's Pond, Hunter River Route 13; Stanley Bridge Roundabout; Murray River Route 3 intersection improvement; and various other projects.

Once again, the Capital Budget for Highways and Bridges was approved in the fall session of the Legislature. This enabled our Department to plan and tender contracts earlier for the coming year's road and bridge programs. This was a great benefit to the Capital Projects Division and also the PEI Road Builders and Heavy Construction Association, as contractors can plan in advance for the upcoming construction season.

### **Highways and Bridges**

Capital highway projects are administered by the two Regional Engineers. They review the deficiencies of the highway system and plan for the upcoming years using the Department's 5-Year Road Program, considering safety, traffic volumes, surface conditions, truck traffic and other departmental and public concerns relative to each project. This year the department has introduced a new Highway Pavement Management System to help the department create and track their 5-Year Road Program. The selected projects are surveyed and designed with input from environment, traffic, properties, surveys, materials lab and municipal personnel, as required. The regional staff prepare cost estimates and tenders, review tenders, award contracts, administer the contract, evaluate the work, record contract quantities, prepare payments, identify deficiencies to be corrected, and approve the final product. The highway projects include those cost-shared with Infrastructure Canada through the Build Canada Fund and New Deals for Cities and Communities funding.

Capital bridge projects are administered by the staff of the Bridge Section. The bridge inspection initiative continues to have both department and consultant engineers inspect all large bridge structures on PEI every two years. They review the deficiencies of the bridges and plan for the upcoming years considering safety, traffic volumes, structural condition, truck traffic and other departmental and public concerns relative to each project. Design and contract administration are similar to highway projects.

### **Weigh Scale Contract Quantities**

The Capital Project staff, along with assistance from our Highway Safety Division, are responsible for ensuring current and accurate totals of all materials which are paid by weight or volumes on all highway construction projects. Training and quality control supervision is provided to all district checkers, data collectors, weighers and checkers.

Scale site activities are reviewed in conjunction with Measurement Canada and Highway Safety Division to ensure that there is compliance to the *Federal Weights and Measures Act*, the *Roads Act Vehicle Weight Regulations*, and the *General Provisions and Contract Specifications for Highway Construction*.

The section provides data entry of material tickets for progress payments on all highway construction and bridge projects. The material tickets information is entered into the Construction Analysis and Tracking System (CATS), which is designed to assist the Capital and Maintenance staff in managing their highway projects. The same activities are followed to maintain the records of the winter sand contracts for the Highway Maintenance Division.

### **Subdivision Development**

Subdivisions continue to be built by private developers who are responsible for the surveying, construction, testing and deeding of the new streets to the Province. Department staff work with the developers and provincial or municipal planners to prepare a design with an acceptable roadway, stormwater management plan, and utility services. An agreement is then signed between the three parties identifying responsibilities, costs, and scheduling. The developer deeds the right-of-way to the Province at such time as the conditions of the agreement are satisfied.

# Provincial - Subdivisions 2016-2017

## QUEENS COUNTY

Subdivision Name Location	SD #	Street Names	Length (km)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
Clearview Estate Subdivision- Stratford	250	McGregor Drive	0.360	0.360	0.360	0.360	0.360	0	0.360
Stratford Water Front Subdivision-Stratford	820	Shepard Drive and Michael Thomas Way	0.245	0.245	0.245	0.245	0.245	0	0.245
Harrington Subdivision- Harrington	047	Riley Lane Nicholson Lane	0.486	0.486	0.486	0.486	0.486	0	0.486
<b>Provincial Totals</b>			<b>1.091</b>	<b>1.091</b>	<b>1.091</b>	<b>1.091</b>	<b>1.091</b>	<b>0</b>	<b>1.091</b>

## SCHEDULE OF HIGHWAYS & BRIDGES TENDERS RECEIVED

### April 1, 2016 - March 31, 2017

#### Route 3 - Georgetown Royalty - April 5<sup>th</sup>, 2016

Chapman Brothers Construction Ltd.	\$157,204.80
Island Construction Ltd.	\$175,895.40
Birt and MacKay Backhoe Services Ltd.	\$178,436.40
Kings County Construction	\$182,140.80
Island Coastal Services Ltd.	\$199,520.60

#### TCH - Mt. Mellick - April 5<sup>th</sup>, 2016

Chapman Brothers Construction Ltd.	\$1,974,700.00
Island Construction Ltd.	\$2,155,742.54
Island Construction Ltd.	\$2,173,955.54
Birt and MacKay Backhoe Services Ltd.	\$2,230,090.19

#### 2016 Precast Box Structure Supply Phase 2- April 26<sup>th</sup>, 2016

Atlantic Hy-Span	\$162,126.25
Shaw Group	\$191,464.45
Maritime Pre-Cast	\$215,121.88

#### Route 2 - New Annan - May 3<sup>rd</sup>, 2016

Curran & Briggs Ltd.	\$119,646.00
Chapman Brothers Construction	\$127,328.50

#### Route 1A - Central Bedeque - May 3<sup>rd</sup>, 2016

Chapman Brothers Construction Ltd.	\$1,057,097.00
Curran & Briggs Ltd.	\$1,110,421.00

#### Gully Bridge - Structure Replacement - June 16<sup>th</sup>, 2016

Highfield Construction Ltd.	\$294,326.00
Gaudette's Transit Mix	\$334,939.90
Canadyne Navigation	\$497,265.23

#### Route 6 - Grand Tracadie - June 21<sup>st</sup>, 2016



Island Construction Ltd.	\$45,717.00
M & M Resources Ltd.	\$69,857.00
<b>Route 11 - Miscouche - July 7<sup>th</sup>, 2016</b>	
Curran & Briggs Ltd.	\$169,463.00
Chapman Brothers Construction Ltd.	\$174,435.50
<b>Route 12 - Tyne Valley - July 7<sup>th</sup>, 2016</b>	
Curran & Briggs Ltd.	\$184,547.00
Chapman Brothers Construction Ltd.	\$186,634.50
<b>Route 12 - West Devon - July 7<sup>th</sup>, 2016</b>	
Chapman Brothers Construction Ltd.	\$186,517.70
Curran & Briggs Ltd.	\$187,439.50
<b>Route 13 - Hunter River - July 7<sup>th</sup>, 2016</b>	
Chapman Brothers Construction Ltd.	\$202,895.50
Curran & Briggs Ltd.	\$210,419.20
Island Construction Ltd.	\$211,768.70
<b>Route 15 - Harrington/Brackley Beach - July 7<sup>th</sup>, 2016</b>	
Island Construction Ltd.	\$468,273.15
Chapman Brothers Construction Ltd.	\$472,852.90
<b>Route 150 - Union / Elmsdale - July 7<sup>th</sup>, 2016</b>	
Curran & Briggs Ltd.	\$396,703.80
Chapman Brothers Construction Ltd.	\$400,820.80
<b>St. Louis Storm Sewer- July 7<sup>th</sup>, 2016</b>	
Stewart Enterprises Ltd.	\$90,195.18
Curran & Briggs Ltd.	\$94,570.00
Kildare Construction Ltd.	\$104,781.50
Northern Enterprises Ltd.	\$107,948.50
AJL Ltd.	\$109,670.50
<b>Route 4 - Cardigan - Roseneath - July 12<sup>th</sup>, 2016</b>	
Island Construction Ltd.	\$1,661,014.20
Chapman Brothers Construction Ltd.	\$1,673,272.20
<b>Kelly Drive- Miscouche Storm Sewer- July 21<sup>st</sup>, 2016</b>	
Curran & Briggs Ltd.	\$262,951.00
AJL Ltd.	\$298,111.00
Birt & MacKay Backhoe Services Ltd.	\$302,683.94
Island Coastal Services Ltd.	\$329,890.24
MacAusland Construction Ltd.	\$363,934.91
<b>Center Line Road- August 11<sup>th</sup>, 2016</b>	
Highfield Construction	\$259,610.00
Noye and Noye Ltd.	\$260,512.00
<b>York - August 11<sup>th</sup>, 2016</b>	
Highfield Construction	\$411,005.00
Island Coastal Services Ltd.	\$468,907.00
Birt & MacKay Backhoe Services Ltd.	\$480,819.85
<b>Royalty Center - August 18<sup>th</sup>, 2016</b>	
M & M Resources	\$47,683.50
Island Coastal Services Ltd.	\$52,316.50

Island Construction Ltd.	\$53,294.04
<b>Cornwall Perimeter Highway - Phase 1 - August 25<sup>th</sup>, 2016</b>	
Island Coastal Services Ltd.	\$3,954,530.60
Island Construction Ltd.	\$3,983,075.08
Chapman Brothers Construction Ltd.	\$4,664,583.50
<b>Murray River Bridge Structure Repair - October 3<sup>rd</sup>, 2016</b>	
Island Steel Ltd.	\$17,500.00
Brothers Machining & Welding	\$24,050.00
Livingston Steel	\$28,000.00
<b>Bordon Carleton Plants 2017 - January 5<sup>th</sup>, 2017</b>	
Sommerset Gardens	\$33,266.16
Beyond the Garden	\$46,366.92
<b>Margate P4-014 &amp; Q1-0156 Bridge Replacements - February 28<sup>th</sup>, 2017</b>	
Noye and Noye Ltd.	\$455,336.95
Highfield Construction Ltd.	\$491,867.00
Island Coastal Services Ltd.	\$583,742.00
Birt & MacKay Backhoe Services Ltd.	\$589,630.36
<b>Cairns Road - February 28<sup>th</sup>, 2017</b>	
Noye and Noye Ltd.	\$428,369.00
Highfield Construction Ltd.	\$437,387.00
Island Coastal Services Ltd.	\$473,300.00
Birt & MacKay	\$581,926.11
<b>Precast Box Structure Supply 2.4M x 2.4M - February 28<sup>th</sup>, 2017</b>	
Maritime Precast	\$320,901.75
The Shaw Group	\$344,672.25
Atlantic Hy-Span	\$394,590.30
Wilson Concrete	\$447,836.22
<b>Route 2 - Travellers Rest - February 28<sup>th</sup>, 2017</b>	
Curran & Briggs Ltd.	\$194,432.50
Chapman Bros.	\$206,120.50
<b>Route 2 - Miscouche - February 28<sup>th</sup>, 2017</b>	
Chapman Bros. Construction Ltd.	\$644,739.00
Curran & Briggs Ltd.	\$648,822.00
<b>Route 11- Linkletter - February 28<sup>th</sup>, 2017</b>	
Chapman Bros. Construction Ltd.	\$272,490.50
Curran & Briggs Ltd.	\$272,593.50
<b>Route 13- Hunter River - February 28<sup>th</sup>, 2017</b>	
Chapman Bros. Construction Ltd.	\$364,659.00
Island Construction Ltd.	\$373,156.00
Curran & Briggs Ltd.	\$384,160.50
<b>Route 153- Tignish - February 28<sup>th</sup>, 2017</b>	
Curran & Briggs Ltd.	\$238,626.90
<b>Route 2- Dingwells Mills - February 28<sup>th</sup>, 2017</b>	
Chapman Bros. Construction Ltd.	\$301,817.00
Island Construction Ltd.	\$303,655.00

**Route 1- Flat River - February 28<sup>th</sup>, 2017**

Island Construction Ltd.

\$487,554.70

Chapman Bros. Construction Ltd.

\$505,644.00

**Route 2-Rollo Bay - February 28<sup>th</sup>, 2017**

Chapman Bros. Construction Ltd.

\$445,200.75

Island Construction Ltd.

\$501,184.50

**Western Region - Highways & Bridges**

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To Be Sealed	New Pavement
Route 1 - Charlottetown	1.20	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00
Route 1A - Central Bedeque	2.79	0.30	0.30	0.00	0.30	0.30	2.50	0.30	0.00	0.30
Route 2 - Charlottetown / Milton Station	1.73	0.00	0.00	0.00	0.00	0.00	1.73	0.00	0.00	0.00
Route 2 - New Annan Right Turn Lane	0.20	0.20	0.20	0.00	0.20	0.20	0.20	0.20	0.00	0.20
Route 6 - Stanley Bridge/ New London	3.63	0.00	0.00	0.00	3.63	0.00	3.63	0.00	0.00	0.00
Route 10 - North Carleton / Searletown	2.37	0.00	0.00	0.00	2.37	0.00	2.37	0.00	0.00	0.00
Route 11 - Miscouche	1.08	0.00	0.00	0.00	1.08	0.00	1.08	0.00	0.00	0.00
Route 12 - Tyne Valley	1.44	0.00	0.00	0.00	1.25	0.00	1.44	0.00	0.00	0.00
Route 12 - West Devon	1.26	0.00	0.00	0.00	1.26	0.00	1.26	0.00	0.00	0.00
Route 13 - Hunter River/Rennies Road	1.28	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
Route 133 - Mount Pleasant/Ellerslie-Bideford	3.47	0.00	0.00	0.00	2.24	0.00	3.47	0.00	0.00	0.00
Route 150 - Union/Elmsdale	2.49	0.00	0.00	0.00	0.00	0.00	2.49	0.00	0.00	0.00
Route 152 - St. Louis Storm Sewer	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Route 225 - Kinkora	2.66	0.00	0.00	0.00	2.66	0.00	0.78	0.00	1.88	0.00
Trans Canada Highway Extension	2.53	1.58	1.58	0.00	1.58	1.58	2.53	1.58	0.00	1.58
Tyne Valley Manor Road	0.19	0.19	0.19	0.00	0.19	0.00	0.19	0.19	0.00	0.19
Wellington Storm Sewer	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberton Storm Sewer	0.90	0.20	0.20	0.00	0.20	0.00	0.20	0.20	0.00	0.20
Miscouche Kelly Drive Storm Sewer	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Dystant Road	0.54	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00
Paugh Road	0.45	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00
Hall Road	0.22	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
<b>Western Region Totals</b>	<b>31.86</b>	<b>2.47</b>	<b>2.47</b>	<b>1.21</b>	<b>16.96</b>	<b>2.08</b>	<b>26.35</b>	<b>2.47</b>	<b>1.88</b>	<b>2.47</b>

- Note: 1) Summerside Curbing and Storm Sewer was a storm sewer project.  
2) Guardrail: Approximately 2.0 km were installed at various locations throughout the western region.

#### Eastern Region - Highways & Bridges

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To Be Sealed	New Pavement
MacPhee Avenue Souris	0.53	0.00	0.00	0.00	0.53	0.00	0.53	0.00	0.00	0.00
Route 1 - Mount Mellick	2.07	1.67	1.67	0.00	2.07	1.67	2.07	1.67	0.00	1.67
Route 2 - Marshfield	1.36	0.00	0.00	0.00	1.36	0.00	1.36	0.00	0.00	0.00
Route 4 - Bridgetown	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Route 4 - Cardigan Roseneath	7.00	0.53	0.53	0.00	5.30	0.53	7.00	0.53	0.00	0.53
Route 4 - Montague	0.87	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00
Route 6 - Grand Tracadie	1.28	0.00	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00
Route 15 - Harrington	2.57	0.00	0.00	0.00	2.57	0.00	2.57	0.00	0.00	0.00
Mt Mellick Pipe Bore	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Surface Recycling	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Eastern Region Totals</b>	<b>17.48</b>	<b>3.20</b>	<b>3.20</b>	<b>1.00</b>	<b>12.83</b>	<b>3.20</b>	<b>16.68</b>	<b>3.20</b>	<b>0.00</b>	<b>3.20</b>

#### Eastern Region – Shoreline Protection

	Kms	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To Be Sealed	New Pavement
Pinette Shoreline Protection	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Totals</b>	<b>0.60</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## **MATERIALS AND SOILS SECTION**

### **Asphaltic Concrete**

A total of seven asphalt mix plants were engaged in the production of asphaltic concrete. All of the mix was produced from drum mix plants. A total of **162,078.59** tonnes of asphaltic concrete was produced in **2016**. This included binder course, surface course, levelling course and maintenance mixes. A price adjusted, end result specification was applied to hot mix compaction on specified contracts.

Daily inspection was carried out at each of the seven plants to control the quality of the mix produced. A total of **427** asphalt mix samples was collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every **379.58** tonnes of asphalt mix produced. A total of **228** cores were removed from the contracts to determine compliance with compaction and thickness requirements.

### **Aggregates**

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below:

<b>Type of Test</b>	<b>No. of Tests</b>
Sieve Analysis Aggregate	740
Sieve Analysis Extractions	477
Specific Gravity	95
Soundness	21
Abrasion	10
Crush Count	8
Sand Equivalent	14
Flat & Elongated Particles	8
Uncompacted Voids Fine Agg Aggregate	13
Micro-Deval	22

In addition, **21** Marshall and Superpave mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents. Also, **34** Stripping Mixes were carried out to determine the extent of stripping from the various aggregate sources; included were stripping mixes done on plant samples taken from each contract.

### **Asphalt Cement**

Asphalt cement specification compliance testing was performed on Performance Grade 58-28 and Polymer Modified 64-28 asphalt cement. A total of **20** samples were taken.

<b>Type of Test</b>	<b>No. of Tests</b>
Specific Gravity	17
Penetration	0

### **Soils and Granular**

Soils testing dealt mainly with granular base course and select borrow. Tests carried out on these materials included sieve analysis, moisture-density relationship, specific gravity and degree of compaction. A total of 368 samples were processed during the year.

Type of Test	No. of Tests
Sieve Analysis	414
Moisture-Density	30
Compaction Test	6350
Specific Gravity	10

### Ice Control

Materials Lab staff provided inspection and testing services for the production of winter sand used by the Maintenance Division for ice control. The services included calibrations of sand blenders, on site monitoring and production sampling from both the blenders and from stockpiles. A total of **264** samples were processed for gradation testing.

### Subsurface Investigation

The continued use of the Lab's mobile drilling unit permitted comprehensive sub-grade investigations to be carried out. A total of **84** samples were obtained from seven different projects. Gradation analysis and in situ moisture contents were determined for all samples. In addition **6** atterberg limit tests, **2** hydrometer analysis and **14** organic indicator tests were also completed.

### Concrete

Testing and inspection services were provided for the following Projects:

Kelly Drive	York Bridge
Rte 2 Marshfield	Kellys Cross
Rte 6 Stanley Bridge	MacLeans Pond
Cornwall Perimeter Highway	Cascumpec Bridge
Gully Bridge	Blanchard Pond

A total of **236** concrete test cylinders were tested for compressive strength. A total of **224** slump tests and air content tests were performed. In addition, there were thirteen sets of three mortar cubes.

### Benkelman Beam

The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

### Profilograph

The High Speed Inertia Based Profilograph was employed to determine smoothness on a number of contracts where surface course hot mix had been applied. The NRCC Route Sections were tested to determine smoothness. A price adjusted smoothness specification was implemented on selected contracts.

## BRIDGES

Bridge construction is shown in the Eastern and Western Regions Highway and Bridge Projects tables located elsewhere in this report.

The following is a list of bridges and the work carried out by the Department or on behalf of the Department:

Bridge	Work Completed
Rte 132, Northam Bridge (P2-005)	Carry over work (asphalt)
Rte 224, Bagnall's Pond Bridge (Q2-029)	Carry over work (asphalt)
Rte 12, Cascumpec Bridge (P1-015)	Structure Replacement and asphalt
Rte 13, Kelly's Cross Bridge (Q1-009)	Structure Replacement and asphalt

<b>Bridge</b>	<b>Work Completed</b>
Rte 224, Hunter River Storm Drain	Design, tender, install, finish grade, and seed
Rte 158, Harper Rd Bridge (P1-081)	Design, tender, structure replacement, and asphalt
Rte 151, Center Line Rd Bridge (P1-062)	Design, tender, structure replacement, and asphalt
Rte 25, York Bridge (Q3-024)	Design, tender, structure replacement, and asphalt
Rte 14, Gully Bridge (P1-047)	Geotechnical investigation, topo survey, design, tender, structure replacement, and asphalt
Rte 6, Margate Bridge (Q1-056)	Geotechnical investigation, topo survey, design, and tender
Rte 110, Cairns Road Bridge (P4-044)	Design and tender
Rte 6, Margate Bridge (P4-014)	Design and tender
Rte 177, St. Raphael Bridge (P3-024)	Design and tender
Rte 6, Stanley Bridge Bridge (Q1-020)	Design and tender (Deck Rehab)
Rte 1, North River Bridge (Q2-044)	Design and tender (Active Transportation Lane)
Rte 11, Egmont Bay Bridge (P3-047)	Geotechnical investigation, topo survey
Rte 310, Fortune Bridge (K1-001)	Geotechnical investigation, topo survey
Rte 334, Woodville Mills Bridge (K5-017)	Geotechnical investigation, topo survey
Rte 24, Murray River Bridge (K4-009)	Design, tender, and install (Steel Rehab)

#### **PRE-CAST STRUCTURE PURCHASE**

The Department developed and issued a tender for the supply of:

1. 1.8M x 2.4M precast concrete boxes;
2. 1.5M x 2.4M and 2.4M x 2.4M precast concrete boxes;
3. 2.4M x 2.4M precast concrete boxes.

All to be incorporated as part of future bridge replacements.

#### **TIMBER MATERIAL PURCHASE**

The Department did not procure any timber elements to be incorporated as part of future bridge replacements.

#### **BRIDGE INSPECTIONS AND BRIDGE MANAGEMENT**

The Department retained several consultants (as well as our own in-house staff) to conduct detailed bridge inspections on 156 bridge structures within the Province. The detailed inspection is based on the Ontario Structures Inspection Manual. All inspection teams were given an in-depth full two (2) week inspection course in November 2007, and again in September 2012. The data from each bridge inspection has been entered into our new Bridge Management Software. This software will allow us to better manage our assets in determining where the capital budget gets allocated and which bridge structures get priority.

#### **BRIDGE MAINTENANCE**

The Bridge Maintenance Section is responsible for the ongoing maintenance of approximately 1,300 structures across Prince Edward Island. There are several types of structures within the bridge inventory:

4. Multi-Plated Steel Arches
5. Timber Boxes
6. Concrete Bridge/Timber Extensions
7. Sectional Concrete Boxes
8. Steel Sheet Piling Bridges
9. Timber Pile Bridges

1. Steel Pile Bridges
2. Corrugated Steel Pipes
3. Timber Crib Bridges
4. Timber Catch Basins
5. Timber Driveway Boxes
6. Concrete Span Bridges
7. Steel Span Bridges

Bridge Maintenance is comprised of several components:

- Inspection Crew - The crew operates on a 3 year schedule rotating between the 3 counties inspecting approximately 400-500 smaller structures each season.
- Bridge Yard Inventory Crew - Responsible for inventory control for the materials being sent to the various projects across the Island.
- Boom Truck - Responsible for transporting the construction materials to the maintenance crews and construction sites.
- Construction Crews - Six crews are responsible for the yearly maintenance work carried out by the Bridge Section.
- Administrative Staff
- Bridge Management - Duties include overseeing and organizing the schedules of the Bridge Maintenance Staff.

In addition to the goals of ensuring the integrity of structures, the Bridge Maintenance Section assists other agencies in achieving their objectives by improving fish passages by installing baffles within structures, protection of stream banks by the placement of gabion baskets, and the creation of fish habitat by installing natural bottoms in some of the structures.

## HIGHWAY DESIGN SECTION

The Design Section provided some or all of the following services for at least 30 projects during the fiscal year: preliminary planning design, detailed design, issued for review, tender, and construction drawings, additional delivery of construction layout information to T.I.E. surveyors, pre-tender estimates, and post-construction quantities. In addition, on two projects, the design section worked in liaison with private sector consultant design teams on preliminary planning and design, design revisions and providing assistance in delivering construction layout information to TIE surveyors and field crews. All incoming electronic survey data provided by the Department's Survey Section were reduced and verified for accuracy prior to preparing further design work.

Preliminary or detailed design work was carried out for the following highway construction projects:

Route Number	Area of Design Work Done
Route 1 - Trans Canada Highway	<ul style="list-style-type: none"> <li>- Cornwall Perimeter Highway Phase 1 - Poplar Island Roundabout: complete design and issued for tender and construction drawings</li> <li>- Cornwall Perimeter Highway Phase 1 - Maypoint Roundabout: planning, preliminary design, working in liaison with the private sector consultant design team on design revisions and providing assistance in delivering construction layout information to TIE surveyors and field crews.</li> <li>- Trans Canada Highway Extension Phase 2A - North River Roundabout: planning and preliminary design, working in liaison with the private sector consultant design team on design elements</li> <li>- Trans Canada Highway Extension Phase 2A - Cornwall to Clyde River: planning and preliminary design</li> <li>- Mount Mellick, realignment and reconstruction, design revisions and issued for construction drawings</li> </ul>



Route 1A	- Central Bedeque Left Turn Lanes and Route 10 Intersection Realignment: design revisions and issued for construction drawings
Route 2	<ul style="list-style-type: none"> <li>- New Annan, MacIntyre Road Right Turn Lane: complete design and issued for tender and construction drawings</li> <li>- Bloomfield Roundabout: complete design and issued for tender drawings</li> <li>- Rollo Bay Left Turn Lane: complete design and issued for tender drawings</li> <li>- Miscouche, Allen Road Right Turn Lane: complete design and issued for tender drawings</li> <li>- Marshfield Storm Sewer: complete design and issued for construction drawings</li> </ul>
Route 3	- Georgetown Road: vertical realignment for sag infill
Route 4	- Cardigan - Roseneath Left Turn Lane and Vertical Realignment: complete design and issued for construction drawings
Route 6	- New London, Phase 2: superelevation design and cross slope checks for cold plane, level, and seal project
Route 13	- Kelly's Cross Vertical Realignment and Reconstruction: complete design and issued for tender drawings
Route 21 and 215	- Mount Herbert Rural Roundabout: complete design and issued for tender drawings
Route 124	- Wellington Ditch Infill and Storm Sewer: complete design and issued for tender drawings
Route 133	- Ellerslie: superelevation design and cross slope checks for cold plane, level, and seal project
Route 152	- St Louis Ditch Infill and Storm Sewer: complete design and issued for tender drawings

Miscellaneous	<ul style="list-style-type: none"> <li>- Miscouche, Kelly Drive Storm Sewer, Phase 2: issued for construction drawings</li> <li>- Alberton Lagoon, Poplar and Argyle Street Storm Sewer: design revisions and issued for construction drawings</li> <li>- T.C.H Stratford and Mason Road Roundabout: preliminary design</li> <li>- Souris Beach Wall: post-construction sketches</li> <li>- T.C.H. Upton Road: road widening design and paint line alignments</li> <li>- Vertical profiles and sight distance checks at various existing and proposed access locations</li> <li>- King's County Sand Pile Volume Calculations</li> <li>- Tyne Valley, Manor Access: access road and storm sewer design, issued for construction drawings</li> <li>- Post-Construction excavation volumes and other quantity calculations for various 2016 construction projects</li> <li>- Pre-tender estimates for all design projects</li> <li>- Horizontal centerline geometry and paint line layouts for various cold plane, level, and seal projects</li> </ul>
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## TRAFFIC OPERATIONS MANAGEMENT SECTION

The Traffic Operations Management Section, within the Capital Projects Division, administers and manages the resources and services for the primary information systems used in the Department's transportation planning activities. This section is responsible annually for the operations of the ITMS -Integrated Traffic Monitoring System, the WIM - the Provincial Weigh-In-Motion Information System, and the Pavement Management System named PCMS - Pavement Condition Monitoring System.

### Pavement Condition Monitoring System - PCMS

Surface distress data were carried over from the previous fiscal year. The data is collected based on nine distress attributes for the National Highway System and Community Connectors. Data from these nine distress attributes are used to calculate a Surface Distress Index (SDI) for each of the various highway sections within the 1204 km network managed by the Capital Projects Division. This SDI value, which provides a relative value of pavement condition is available to the Division as an aid in the Capital Construction Planning Process. Other data collected or analyzed by the Traffic Operations Management Section includes traffic volume data, intersection counts and collision data is available for use in the Capital Programming Process.

### **Weigh In Motion System - WIM**

The Weigh-In-Motion system collects vehicle weight, speed, and vehicle classification data. The section operates and maintains 5 monitoring sites across the province. These sites are located on arterial highways in Tryon, Hunter River/Springvale, Bedford, Middleton, and Richmond.

**Tryon** - This site is currently functioning as a permanent counter site only.

**Hunter River** - This site is fully operational.

**Bedford** - This site is currently functioning as a vehicle classification site only. The station is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.

**Middleton** - This site is currently functioning as a vehicle classification site only. The station is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.

**Richmond** - This site is fully operational.

The data obtained from these WIM sites can be used to determine ESAL's (equivalent single axle loads) per truck which in turn may be used for structural design of our highways. This database is also used to make estimates of vehicle type breakdown for the ITMS traffic system.

### **Integrated Traffic Monitoring System**

This section continues to maintain and analyse data from 12 permanent count sites, approximately 120 temporary count sites and the 5 WIM sites. On an annual basis, additional equipment (Archer Counters with pneumatic road hoses) is set up at 30 to 40 sites (permanent or temporary sites noted above) for a period of 8 days annually to conduct vehicle classifications. The department also carries out a number of intersection turning movement surveys across the province on an annual basis during a 14-week period in the summer months. The data from all of these monitoring sites continues to feed the ITMS information system, and annually creates a master traffic profile for the almost 3500 km of provincially numbered highways.

A typical counter site consists of wire loops imbedded in the asphalt of each lane. The wires are brought to the shoulder of the road at a common location and eventually to an electrical post at the edge of the right-of-way where the connection to the counter is made. These sites are often replaced during road reconstruction. Loops were reinstalled at Ellerslie, Seven Mile Bay, Pools Corner, and North River Causeway sites this year, loops were repaired at many other locations as required.

The Department's returning labourers for the summer season have carried out the Intersection Turning Movement Count program. The individuals performed the duties well and have been recommended for rehire for the following year. Maintaining the same casual staff year to year is a benefit to this program as it helps to maintain consistency. These traffic surveys are carried out for 10 hours a day - 4 days a week. The field data is keyed to PetraPro software to generate turning movement study report for each intersection by office staff, stored and available for analysis as an intersection (or other traffic facility) design tool. The crew carried out 86 intersection counts during their 14-week term.

### **Provincial Highway Traffic Growth**

The table below shows the Department's permanent traffic volumes monitoring sites and their respective 2015 and 2016 AADTs - Annual Average Daily Traffic figures, meaning two-way traffic for an average 24 hour day of the year. These AADT values are maintained by the calendar year and not the fiscal year which ends on March 31<sup>st</sup> of the following year. Only these sites are used to calculate the provincial traffic growth rate, because only these sites monitor traffic constantly, all year long - except for machine failure. The provincial traffic growth rate for 2016 shows an increase of 4.52 % over the previous year (solely based on the permanent traffic monitoring installations). The 5-year and 10-year annual growth rates, based on all permanent counter sites, are 1.61% and 1.15% respectively.

**2015 - 2016 Comparison Annual Average Daily Traffic Table**

<b>2015</b>			
<b>Monitoring Sites</b>	<b>2015</b>	<b>2016</b>	<b>% Change</b>
Tryon (001:02)	4,649	4,986	7.25
North River (001:07)	22,447	23,140	3.09
Hillsborough Bridge (001:11)	33,023	34,388	4.13
Cherry Valley (001:12)	7,353	7,531	2.42
Marie (002:04)	2,625	2,857	8.84
Pleasant Valley (002:13)	6,332	6,731	6.30

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Marie (002:04)	2,625	2,857	8.84
Pleasant Valley (002:13)	6,332	6,731	6.30
Richmond (002:17)	5,432	5,626	3.57
Cavendish (006:09)	2,028	2,165	6.76
Milton (007:01)	2,149	2,219	3.26
O'Leary (142:03)	1,486	1,493	0.47
Confed. Bridge	4,200	4,598	9.48
Albany (01A:01)	3,551	3,852	8.48
<b>Total</b>	<b>95275</b>	<b>99586</b>	
<b>Annual average provincial traffic growth for 2016 (as a % growth over 2015)</b>			<b>4.52</b>

## **EASTERN REGION TRAFFIC OPERATIONS**

### **Highway Signage**

Installation and maintenance of highway signs were carried out by one full-time sign crew based out of Bridgetown, two full-time and one part time sign crews based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and maintenance of the Tourism Direction Signage, 911 signage, signing detours and some construction signage.

### **Tourism Directional Signs**

Administration of Tourism Directional Signs was carried out by the Department of Economic Development and Tourism. Sign orders were passed on to the provincial sign shop in Tignish and after manufacture, were installed by the regional sign crews. There were 67 new signs manufactured for new clients and 5 signs that were damaged or faded were replaced. There were 43 signs removed for clients who are no longer in the program.

### **Highway Marking**

Centerline marking was applied to approximately 3800 km of existing highway by the centerline striping machine based out of Charlottetown. In addition to this, 24 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 461 kilometres of arterial highway. Edge lines were painted on approximately 95 kilometres of Collector Highways. Department crews also painted streets in the Cities of Charlottetown and Summerside, the Confederation Bridge and Parks Canada.

Intersections in the region were re-painted by the intersection marking crews, based out of Kings County and Queens County. Permanent markings were applied to some major intersection as part of capital upgrades. Raised pavement markings were installed on newly paved sections of Arterial Highway and damaged or missing ones were replaced.

### **Highway Lighting**

Maintenance of highway lighting was carried out by Hansen Electric in Queens County and by Foster Campbell Electric Ltd. in Kings County.

Area Lighting in the region was improved in the region by installing LED fixtures, replacing high pressure sodium fixtures in unincorporated areas within the Province. New LED lighting was also installed at the two new roundabouts at Maypoint and the entrance to the outlet shops on North River Causeway as part of the Cornwall Bypass, Phase one. As well, lighting was improved at the intersections of Routes 1 and 26 in Mount Mellick, Routes 4 and 5 in Cardigan and Routes 4 and 313 in Cardross.

Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

### **Access Control**

Applications for Entrance Way Permits on Arterial and Seasonal Highways were processed as well as stopping sight distance assessments for new dwellings and commercial operations. Fees were collected for the installation of new entrance ways for new dwellings and agricultural use.

### **Western Region Traffic Operations**

#### **Highway Signage**

Two full time sign crews erected and maintained signage throughout the region, which includes directional signage, community signs, scenic route signs, street name signs, warning signs, 911 road name signs and regulatory signs. In addition to this, crews continued to erect and maintain detours for highway construction sites. The sign crews continue to erect and maintain the Tourism Directional Sign standards.

#### **Highway Marking**

The centerline marking was applied by the TIR striping truck and the shoulder lines were applied by the smaller TIR striping truck. Centerline marking was applied to approximately 800 km of existing highway, and 26 km of asphalt resurfacing, and 19 km of new construction. Shoulder lines or edge lines were painted on approximately 200 km of highway. Intersection marking was applied by the intersection marking crew based in Summerside. Permanent markings were applied to some major intersections as part of Capital upgrades. Raised pavement markings will continue to be installed to enhance the pavement markings on the Arterial Highways.

#### **Highway Lighting**

Highway lighting repairs were carried out by Hansen Electric in Prince and Queens Counties.

Area lighting in the region was improved by installing LED fixtures which replaced the high pressure sodium fixtures on Route 1 , Route 1A, and Route 2 .

LED Lighting was installed at the roundabout in Stanley Bridge and improved intersections in Portage ( Route 2 and Route 12 ) , and in Tryon on Route 1 .

Variable Message Boards , Flashing beacons and Lighted Barricades were used for detours in advance of some major highway construction projects.

#### **Highway Access Control**

Under the Roads Act, Highway Access Regulations, safe stopping sight distance assessments are completed for commercial operations , agriculture entrance-ways and new dwellings. The section is also responsible for collection of fees for entrance way installations.

### **PROVINCIAL SIGN SECTION**

**April 1, 2016 - March 31, 2017**

The Sign Shop continued to produce highway signage for the Island. The Sign Shop has two full-time classified positions, Tracy Gallant and Leanna A'Hearn as Shop Supervisor. There is one full-time casual position and a rotation of four other casual employees, as well as a rotation of two casual employees that fill one position in the Carpentry Shop area. The following is a breakdown of signage produced:

	<b>Prince County</b>	<b>Queens County</b>	<b>Kings County</b>
Directional	53	85	66
Extruded signage	0	10	2
Public Road Names	136	60	86
Private Road Names	17	35	30
Regulation and Warning	673	258	301
Route Assemblies	43	6	264
Community	92	22	41
Street Signage	0	2	0

HISS	54	59	53
Construction	201	110	58
<b>Sub Total</b>	<b>1,269</b>	<b>647</b>	<b>901</b>

**Un-invoiced Signage within Department:**

Signs sent to Charlottetown Stock	2,787
Construction Signs sent to Charlottetown Stock	820
Specialty Signs within Department	437
Guard Rail Markers	300
Body Shop Decals	161
Public Works door number tags	28
Public Works Name Plates	178
Public Works Other Signage	43
<b>Sub total</b>	<b>4,754</b>

**Invoiced Signage:**

Other Departments	743
Public Works signs (and smaller vinyl stickers)	315
TIE Maintenance	0
Parks Canada	343
Rails To Trails	273
Rails Delineators	4,552
Municipalities	141
Construction	57
Other Companies	16
<b>Sub Total</b>	<b>6,440</b>

**Total of Signage Produced:**

Prince County	1,269
Queens County	647
Kings County	901
Un-invoiced signs	4,754
Invoiced signs	6,440
<b>Total</b>	<b>14,011</b>

## **MAPPING AND GEOGRAPHIC INFORMATION SYSTEM FOR TRANSPORTATION (GIS-T)**

In the fiscal year of 2016/17, the Mapping and GIS-T section was involved in a number of on-going and new initiatives. There continued to be two staff members assigned to work in this area.

Work continued this year assisting in trail development at Bonshaw Hills Provincial Park. A total of 20km of trails have now been mapped in the Bonshaw portion of the park. Besides mapping trails, a large detailed panel map of the park was designed as part of an informative sign board for the park entrance.

Work continued in support of the department's highway pavement management application. Pavement roughness data for 2016 was formatted for incorporation into the application as well as 2015 highway paving projects and highway alignment changes.

Continued effort was made on asset inventories. Improvements were made to the Confederation Trail and Bridge/Structure asset inventories. New features were added and information was updated and re-formatted.

Several projects were undertaken this year that took advantage of cloud based technology. One such project was a comprehensive Story Map app promoting active living. The app was designed to be an interactive way to locate places in the province where activities like biking, trail walking, skiing and snowmobiling are found. The app also offered information and links to websites promoting these activities. In association with this project, an initiative was started to accurately map designated snowmobile trails.

A Highway Construction Map was another cloud based app that was developed and deployed. It included information about upcoming highway and bridge projects as well as highway traffic volumes and the location of traffic generators such as schools, sport venues and places of worship.

Winter maintenance mapping continued to be an annual exercise. All operator routes are updated each season and online maps are now available to be viewed through apps via desktops or mobile devices.

There has been considerable work accomplished within the department to map and inventory municipal waste water and drainage networks. The GIS-T section is not directly involved in this effort but is working as a support role.

The GIS-T section continued to perform mapping and data analysis services for the department and associated agencies. Some examples of typical mapping requests would be special event logistical planning maps; presentation and proposal maps; routing and detour maps; district and work zone maps; tender and construction location maps; property and site contour maps; hydrographic and watershed maps; infrastructure and facilities maps; and aerial imagery and base maps.

## **HIGHWAY MAINTENANCE DIVISION**

### **GENERAL**

The Highway Maintenance Division provides a full range of operation and maintenance services on the entire provincial highway system. The Division is organized by function into the following sections and work units:

- Provincial Headquarters
  - Central management functions, program development, budgeting, inventory control, bulk purchasing and contract preparation.
  - Technical services relating to standardized policy and procedure for work crews, as well as staff training and development.



- **Highway Maintenance - Eastern, Central and Western Region Operations**
  - Maintenance and superintendence of all provincially owned roads across the Province.
  - Services include: pavement surface maintenance, roadside maintenance, drainage and storm water, unpaved roads, dust control, snow and ice control.
  - Maintenance of bridges, signage, pavement marking and traffic control devices is provided by other divisions of the Department.
- **Mechanical Branch - Eastern, Central and Western Region Facilities**
  - Supply, maintenance and general management of a large fleet of heavy equipment and light vehicles used directly to execute the work programs delivered by the respective Region operations.
  - Provision of skilled operators and equipment operations.
- **Confederation Trail Maintenance**
  - Maintenance and superintendence of all maintenance carried out on 444 kilometres of the former CN rail corridor (Confederation Trail).
  - Services include: vegetation control, culvert replacements and repairs, ditching, surface maintenance, shoreline protection and grass cutting. Maintenance of bridges is provided through the Department's Bridge Maintenance section.

#### **Polyethylene and Corrugated Steel Drainage Pipes**

During the year, the Division tendered and purchased both polyethylene and corrugated steel drainage pipe which was installed in various locations throughout the Province. Polyethylene drainage pipe is most widely used based on cost, ease of handling and durability. Atlantic Hy-Span was awarded the contract for supplying the corrugated steel drainage pipe and ADS Canada Inc polyethylene drainage pipe. Due to culvert washouts the Department purchased polyethylene plastic pipe from Campbell's Concrete. The total value of both corrugated steel and polyethylene drainage pipe purchased by the Department for its maintenance projects during the season is as follows:

	<b>Corrugated Steel</b>	<b>Polyethylene</b>
Atlantic Hy-Span	4,261	---
ADS Canada Inc	---	640,947
Campbell's Concrete	---	10,472

The following length of pipe was installed by the Highway Maintenance Division for the year:

<b>Pipe Diameter</b>	<b>Central Region</b>	<b>Western Region</b>	<b>Eastern Region</b>
<b>Corrugated Steel</b>	<b>(Metres)</b>	<b>(Metres)</b>	<b>(Metres)</b>
300 mm	0	9	0
400 mm	0	12	12
500 mm	15	10	6
600 mm	6	9	3
800 mm	0	5	0
900 mm	25	0	0
1200 mm	46	0	0
<b>Total</b>	<b>46</b>	<b>45</b>	<b>21</b>

<b>Polyethylene</b>	<b>(metres)</b>	<b>(metres)</b>	<b>(metres)</b>
300 mm	18	34	15
375 mm	1,406	928	564
450 mm	1,468	1,198	750
525 mm	122	0	214
600 mm	393	824	390
750 mm	140	88	100
900 mm	23	24	20
1200 mm	79	0	0
1500 mm	0	18	0
<b>Total</b>	<b>3,648</b>	<b>314</b>	<b>2,053</b>

During the year the Highway Maintenance Division undertook the following installations of pipe:

<b>Type of Installation</b>	<b>Central Region (metres)</b>	<b>Western Region (metres)</b>	<b>Eastern Region (metres)</b>
New Installations	1,252	784	595
Replacement	1,971	1,900	1,121
Extension	151	77	82
Cross Culvert	299	383	252
Confederation Trail	21	15	0
Water Problems	0	0	0
Relocate	0	0	24
<b>Total</b>	<b>3,694</b>	<b>3,159</b>	<b>2,074</b>

\*NOTE: Figures do not include culverts acquired by and installed by Capital Projects.

### **Used Corrugated Steel Pipe**

The Division continues to follow policy developed for re-sale/re-using culverts to bridge various wood lots, farms and private home entrance ways. With the use of polyethylene pipe and the City of Charlottetown doing their own work, the availability of used pipe in acceptable condition for re-sale or re-use is becoming limited.

### **Crack Filling**

This is a process whereby a hot rubberized asphaltic compound is used to fill random cracks in the paved highway system in order to prevent water from entering into the substructure. In 2016/17 the Department sealed approximately 45,140 metres of cracks, using a total of 15,590 kilograms of sealant material.

### **Technical Services**

During the year, the Technical Services Section continued to provide required training programs and developed standardized work procedures for the benefit of front-line maintenance staff. Most training has been in-house, utilizing resident expertise. In selected areas, other provincial departments (e.g. Forestry Division) and outside agencies, including Red Cross instructors, have participated.

Subject matter included but not limited to:

- Occupational Health and Safety Regulations
- First Aid and CPR
- Work Zone Safety
- WHIMIS
- Crew Orientations
- Winter Operations Orientations
- Dickey John Training/Testing
- Driver Training
- Highway Maintenance Procedures and Policies
- Crane Training
- Management and Supervisory Training
- Fork Lift Training
- Chain Saw Operation Certification
- Confined Space Training

In excess of 375 employees continue to receive training ranging from one-half day workshops to one-week sessions. The objective of these sessions is to improve awareness of safe and productive work practices.

#### **EASTERN REGION: SUMMER MAINTENANCE**

Hot mix asphalt for patching crews was available from mid-May to the second week in October. A total of 13,700.19 tonnes was used by the branch for repairing the Province's paved road network in the Eastern Region. This asphalt was financed from the Division's operating and capital maintenance budget. Hand patching crews spread 2,527.65 tonnes. Private contractors supplied/placed 11,172.54 tonnes of asphalt over 12.55 kilometres.

The following is the tonnage of asphalt acquired from each firm:

<b>SUPPLIER</b>	<b>TONNES</b>
Island Construction	2,321.85
Chapman Brothers	11,378.34

#### **Resurfacing**

The following roads were re-surfaced by private contractors, Chapman Brothers and Island Construction, through supply and place contracts for a total of 12.55 kilometres:

##### **Kings Zone K-1 - Chapman Brothers**

<b>Road Name</b>	<b>Kilometres</b>
North Lake (Rte. 016)	1.10
Souris Line Road	0.95
<b>Total Kms</b>	<b>2.05</b>

##### **Kings Zone K-2 - Chapman Brothers**

<b>Road Name</b>	<b>Kilometres</b>
Nicholson Road	0.60
Lorne Valley Road	0.60
Cumberland Road	0.30
Kays Road	1.50
Seal River Road	1.00
Aberdeen Road	0.50
<b>Total Kms</b>	<b>4.50</b>

**Kings Zone K-7 - Chapman Brothers**

Road Name	Kilometres
Bangor Road (Rte. 321)	1.00
<b>Total Kms</b>	<b>1.00</b>

**Kings Zone K-7 - Island Construction**

Road Name	Kilometres
Fort Augustus Road (Fanningbrooke)	0.50
Peakes Road	0.50
<b>Total Kms</b>	<b>1.00</b>

**Kings Zone K37 - Chapman Brothers**

Road Name	Kilometres
Robertson Road	0.50
Brudenell Point Road	1.30
<b>Total Kms</b>	<b>1.80</b>

**Kings Zone K-3 - Island Construction**

Road Name	Kilometres
Lower Montague Road	0.70
Wood Islands Road	0.50
<b>Total Kms</b>	<b>1.20</b>

**Kings Zone K-7 - Chapman Brothers**

Road Name	Kilometres
Shore Road (Rte. 004)	1.00
<b>Total Kms</b>	<b>1.00</b>

**Bush Cutting**

During the season, three government mechanical bush cutters cut bushes along the highway. Approximately 239.80 kilometres were cut. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

**Road Maintenance**

During the year, seven graders in the county carried out grading services on the unpaved road network (grading approximately 1934.19 kilometres). These kilometers reflect multiple trips over the 280 kilometres of seasonal roads and 142.5 kilometres of year-round unpaved roads. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

SANDSTONE (t)	GRAVEL (t)	ROCK (t)
14,754	8,875	138

Sandstone and/or gravel was placed as a new surface material and new culverts, driveway or cross pipes were installed as required.

On the paved road network a number of drainage problems were corrected. Equipment used to carry out this work included department or privately-owned ditching machines and trucks. New culverts were installed as required. The amount of culvert material installed in the Eastern Region can be found under the section Polyethylene and Corrugated Steel Drainage Pipes.

**Guardrail and Roadside Maintenance**

Various crews are utilized periodically within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each zone.

**Grass Cutting**

The Division cuts grass on approximately 1,500 kilometres of road in the Eastern Region. One private grass cutter, equipped with a rotary mower, maintains 162.09 kilometres of roadside grass. This contractor was contracted to cut grass from the middle of June until the end of September. In addition, three department-owned farm tractors, equipped with rotary mowers and side cutter attachments, were utilized for roadside grass cutting on the balance of approximately 1,338 kilometres throughout the Eastern Region.

**Shoulder Material**

During the past year, shoulder material was used to upgrade and repair worn out sections of shoulders.

**Dust Control**

Maintenance crews used 357 twenty-kilogram bags of flaked calcium chloride to control dust in specific locations. Liquid Magnesium was used for dust control and stabilization on gravel roads only. A total of approximately 132,408 litres was used to treat approximately 68.05 kilometres of road.

The accompanying tables provide the location and extent of work done in each zone during the year:

**Kings Zone K-1 Eastern Region - Maintenance Activities**

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Allen Road							0.20
Bear River (St. Margarets)							0.04
Black Pond							0.18
Bull Creek S	0.05						0.05
East Tarantum			0.04				
Father James Road			0.03				
Fortune Road					0.12		
Fortune Beach Road			0.05				
Glen							0.05
Greenvale			0.06				
Harmony Road			0.03				
Hughie Joseph		0.02					
Kelly							0.05
Kitson	0.05						
Longaphie		0.01			0.04		
Middle Tarantum		0.02					
New Harmony					0.02		
New Zealand					0.02		
North Side Road (St. Margarets)							0.03
Paddy			0.03				0.03
Park Road			0.07				
Souris Line			0.04		0.25		

**Kings Zone K-1 Eastern Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
St. Charles (Waste Watch)							0.08
West Tarantum			0.02				
<b>Totals</b>	<b>0.10</b>	<b>0.05</b>	<b>0.37</b>	<b>0.00</b>	<b>0.45</b>	<b>0.00</b>	<b>0.71</b>

**Kings Zone K-2 Eastern Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Anderson		0.10					
Bangor Road							0.03
Brothers Road		0.40					
Brynes Road				0.03			
Cameron	0.22						
Canavoy	0.04	1.00					
Cemetery Road	0.04						
Clay Road	0.04						
Creek Road							0.03
Curtis Road	0.02	0.06	0.50				
Dundee Loop				0.02			0.06
Fanningbrooke					0.10 p		
Farmington (Rte. 002)							0.06
Five Houses			0.40				
Forest Hill	0.04						
Fort Augustus Road					0.30 p		
Gay's Road					0.09 unp		
Goose River Road		0.03					0.06
Green Meadows							0.05
Greenwich Road							0.13
Head of Hillsborough				0.03			
Indian Bridge Road					0.60 unp		
Klondike			0.20				
Lakeside Road							0.03
MacDonald Road	0.10						
MacEwen				0.03			1.00
MacEwen/Dundee (intersection)							0.40
MacSwain		0.02					

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Marsh Road							0.08
Mooney							0.03
Morell East				0.03			
New Road		0.12					
North MacEwen Road							0.26
Old Lakeside Road	0.08						0.28
Pinetree Lane	0.02						
Red Head							0.04
River Road		0.06					
Rte. 002					0.20 p		
Scully Road			0.50				
Sparrow Road					0.05 p		
St. Patricks Road		0.10					
St. Peters Harbour				0.05			0.03
Turrett Bell		0.02	0.50				
Upton Road		0.10					
<b>Totals</b>	<b>0.60</b>	<b>2.01</b>	<b>2.10</b>	<b>0.19</b>	<b>1.34</b>	<b>0.00</b>	<b>2.57</b>

**Kings Zone K-3 Eastern Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Albion							0.30
Annandale Road (Rte. 310)					0.15 p		
Collins		0.50			0.30 unp		
County Line					0.30 unp		
Cumberland				0.30			
Greenhill Loop		0.40					
Launching Back Road		0.10					
Launching Road (Rte. 311.02)							0.10
Little River Road			0.20				
Lorne Valley Road				0.30			
Moar		0.20					
Mosquito Creek Road							0.20
Nicholson Road				0.60			
South Montague Road							0.50

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Sparrows Road							0.10
<b>Totals</b>	<b>0.00</b>	<b>1.20</b>	<b>0.20</b>	<b>1.20</b>	<b>0.75</b>	<b>0.00</b>	<b>1.20</b>

**Kings Zone K-4N Eastern Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Central Street (Langley Rd)		0.50					0.50
French Creek							1.00
Heatherdale (Rte. 316)							1.00
Lloyd Westaway							0.50
Loane Road		0.50					
Lower Montague Road				0.90			
MacDonald Road		1.00					0.30
Nicholson Road		0.10					
Peardon Road							2.00
Roma Point		1.80					
St. Andrews Point							0.50
Sturgeon Road (Rte. 017)							2.00
Thornton Road							3.00
Valleyfield Road				0.80			3.00
Whim Road				0.50			4.00
<b>Totals</b>	<b>0.00</b>	<b>3.90</b>	<b>0.00</b>	<b>2.20</b>	<b>0.00</b>	<b>0.00</b>	<b>17.80</b>

**Kings Zone K-4S Eastern Region - Maintenance Activities**

	in Kilometers						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Beach Road							0.20
Blue's Road	0.10						
Brooklyn Road				0.30			1.00
Buell Road		1.80					
Cahoon's Wharf Road							2.00
Cape Bear				0.80			
Commercial Road							1.00
Compton Road							2.00



Road Name	in Kilometers						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
County Line Road							4.00
Dover							3.00
Gladstone Road							2.50
Greek River Road							3.00
Grey's Road		0.20	0.20				1.00
Guernsey Cove Road		1.60					
Hopefield				0.50			
Machon Point Road							1.00
MacFarlane Road			0.10				
MacKay Road							3.00
Milltown Cross							4.50
Munn's Road							3.00
Murray Harbour North				0.50			
Norman's Road				0.80			
Peter's Road (Alliston)				0.80			
Peter's Road				0.90			
Pioneer Cemetery Road							0.50
Point Pleasant							4.50
Reilly Lane		0.20					
Spring Road	0.10						
Toronto Road							1.00
Wood Island Road				0.80			3.00
<b>Totals</b>	<b>0.20</b>	<b>3.80</b>	<b>0.30</b>	<b>5.40</b>	<b>0.00</b>	<b>0.00</b>	<b>40.20</b>

#### **EASTERN REGION: WINTER MAINTENANCE**

Winter activities in the Eastern Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used: There were 5,330.69 tonnes of salt purchased for salt-only and 50/50 mix for ice control. The Region also purchased 993.90 tonnes of salt to blend with its winter sand. The Region purchased 16,859.91 tonnes of blended sand. This blended material consisted of a mixture of six percent salt, 40 percent imported sand (1/4" minus stone) and 60 percent local sand. This material was stored at seven sites throughout the Region. No additional tonnes of blended sand (reserve) was required to re-charge the winter sand piles during the 2016 season.

### Ice Control

Ice control on sections of Highway 2, 3, 4 and 16, as well as Souris and Montague main streets, including 148.90 kilometres of road, were maintained by direct salt application. Services also included pre-wetting on Routes 2, 3 and 4 as warranted by road conditions.

### Sanding Operations

Approximately **1,041** kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by five sanding contractors using department installed hoppers and spreaders. Winter sanding contractors completed their second year of their four-year contract. In addition, **6** department trucks were utilized to provide service to various locations throughout the County.

### Snowfall Records

Total snowfall as recorded by Environment Canada recording station volunteers in the Eastern Region was:

Recorded (cm)	
Montague	291
Munns Road	214
St. Peters	204.5

### Snow Fence Report

The Department installed approximately 3,665 metres of snow fence adjacent to department plowed snow routes to control drifting in open areas.

### Contracted Services

The following is a breakdown of the contracted sanding and snow removal services for the fifth year of a seven-year contract with private contractors.

Contractor	Kms Plowed
Chapman Brothers	166.40
G & P Trucking	101.89
Kenny MacLeod	99.99
Kings County Construction Ltd.	126.31
<b>Total</b>	<b>494.59</b>

The Department was responsible for plowing, sanding and salting **652.6** kilometres of highway. To this end, **21** plow routes. Below, is the breakdown of the kilometres for which the Department was responsible for plowing, sanding and salting:

### Eastern Region

Location	Kms	Graders	Blowers	Loaders	Truck
South Lake	23.80	X			
Bayfield	27.70	X			
St. Charles	34.90				4 x 4
Morell	36.80				4 x 4
48 Road	28.00				tandem combination
St. Teresas	28.40				4 x 4
Bridgetown	28.30				tandem combination
Georgetown	32.40				tandem combination

Location	Kms	Graders	Blowers	Loaders	Truck
Annandale	34.60				4 x 4
Cardigan	33.80				tandem combination
St. Georges	35.30				tandem combination
Montague	8.20				single combination
Whim Road	37.10				tandem combination
Murray River	41.90				tandem combination
Morell East	31.20				tandem combination
Guernsey Cove	33.70	1			
Hopefield	43.40				4 x 4
Gaspereaux	39.80				tandem combination
Souris (includes streets salted)	28.00				tandem combination
Cardigan (includes areas sanded)	34.60				tandem combination
Murray River (streets)	10.70			1	
<b>Total</b>	<b>652.60</b>	<b>3.00</b>	<b>0.00</b>	<b>1.00</b>	

The Department was also responsible for plowing the streets within the Towns of Souris, Montague and Georgetown, as well as the Villages of Morell and Murray Harbour, and the Communities of St. Peters, Cardigan, Mt. Stewart and Murray River.

#### **CENTRAL REGION: SUMMER MAINTENANCE**

Hot mix asphalt for patching crews was available from the first week in June to the second week in October. A total of 25,008.57 tonnes was used by the branch for repairing the Province's paved road network in the Central Region. This asphalt was financed from the Division's maintenance budget. Hand patching crews spread 3,625.71 tonnes. Private contractors supplied/placed 21,382.86 tonnes of asphalt over 28.25 kms.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Curran & Briggs Ltd.	10.54
Chapman Bros.	3,696.65
Island Construction	17,874.44
M & M Resources	4,280.97
<b>Total</b>	<b>25,862.60</b>

The following roads were resurfaced by private contractors through supply and place contracts:

#### **Queens Zone Q-1**

Road Name	Kilometres
Selkirk Road (Iona)	0.92
Selkirk Road (Belle River)	0.60
Avondale Road	1.08

#### **Queens Zone Q-2**

Road Name	Kilometres
Chelsea Drive	0.16
John Hamilton Drive	0.23
Winjoe Drive	0.20

**Queens Zone Q-1**

Road Name	Kilometres
Monaghan Road	1.00
Camp Road	1.48
<b>Total Kms</b>	<b>5.08</b>

**Queens Zone Q-2**

Road Name	Kilometres
Millbrook Drive	0.25
Langley Road	0.93
Lantz Drive	0.17
Pownal Road	1.00
Monaghan Road	1.00
Keppoch Road	1.70
<b>Total Kms</b>	<b>5.64</b>

**Queens Zone Q-3**

Road Name	Kilometres
MacKenzie Road	0.68
Frenchfort Road	0.60
East Suffolk Road	1.40
Hardy Mill Road	2.20
Union Road	2.03
Horne Cross Road	0.68
Winsloe Road	2.13
MacCallum Road	0.89
Shore Road (Fort Augustus)	0.45
Blooming Point Road	2.20
<b>Total Kms</b>	<b>13.26</b>

**Queens Zone Q-4**

Road Name	Kilometres
Maplewood Road	0.65
Colville Road	0.41
Riverdale Road	0.97
Alcan Drive	0.51
Pond Street	0.26
Crosby Street	0.24
Arbour Lane	0.58
Lacardy Drive	0.29
Clyde River Road	0.90
<b>Total Kms</b>	<b>4.81</b>

**Queens 5**

Road Name	Kilometres
Junction Road	0.86
Reid Road	1.32
Simpson Mill Road	0.50
Rustico Road	1.00
<b>Total Kms</b>	<b>3.68</b>

**Bush Cutting**

During the season, two government mechanical bush cutters cut bushes along the highway. Approximately 380.00 kilometres were cut. Department crews, consisting of a foreman, three labourers, and a half-ton truck, followed the mechanical bush cutters to pick up debris and trim where the cutter could not reach. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

### Road Maintenance

During the year, graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks (department and privately-owned) were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone (m3)	Sandstone (t.)	Gravel (m3)	Gravel (t)	Rock (t)
11,219	14,477	42	10,492	960

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required.

A number of drainage problems were corrected on the paved road network. Equipment used to carry out this work included department or privately-owned ditching machines and trucks. New culverts were installed as required. The amount of culvert material installed in the Central Region can be found under the section Polyethylene and Corrugated Steel Drainage Pipes.

### Guardrail and Roadside Maintenance

Three roadside crews were employed within the Region to repair damaged sections of guardrail. These crews also cut grass and weeds around guardrails and guideposts in each district.

### Grass Cutting

The Department hired two private grass cutters to maintain 309.3 kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September. In addition, four farm tractors were utilized for roadside grass cutting on the balance of approximately 2,136 kilometres throughout Central Region.

### Shoulder Material

During the year shoulder material was used to upgrade and repair worn out sections of shoulders.

### Dust Control

Maintenance crews used 85 twenty-kilogram bags of flaked calcium chloride to control dust in specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 254,493 litres was used to treat 96 kilometres of road.

The accompanying tables provide the location and extent of work done in each district during the year:

**Queens 1- Central Region - Maintenance Activities**

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
48 Road							12.00
Angus J MacLean Road							4.00
Avondale Road				2.00			8.00
Center Road	1.00						
Compton Road			2.00				
East Uigg Road							1.00
Gairlock Road					2.00		1.00
Gay Road				2.00	2.00		
Gillis Road							4.00
Greys Road							5.00
Horton Road	1.00						

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Iona Road				2.00	2.00		8.00
MacPhail Park Road	1.00						1.00
Monaghan Road							8.00
Murray Harbour Road				3.00	2.00		12.00
New Cove Road							4.00
Orwell Cove Road							2.00
Pioneer Cemetery Road W.I.			5.00	8.00	8.00		
Point Prim		1.00					11.00
Pownal Road					2.00		
Queens Road				3.00			3.00
Roseberry						2.00	5.00
Rte.#3, Albergy Plains							12.00
Selkirk Road				6.00			15.00
Trans Canada Highway				1.30			35.00
Vernon River Road							3.00
Village Green	3.00						6.00
<b>Total</b>	<b>6.00</b>	<b>1.00</b>	<b>7.00</b>	<b>27.30</b>	<b>18.00</b>	<b>2.00</b>	<b>160.00</b>

**Queens 2- Central Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Bethel Road					1.00		4.00
Fort Augustus Road							12.00
Gay Road				1.00	1.00		
MacEachern Road				1.00	1.00		3.00
McKenna Road			1.00				
Pownal Road							5.00
Tally Road		3.00	3.00	3.00	3.00		
Upper Teahill Crescent							2.00
<b>Total</b>	<b>0.00</b>	<b>3.00</b>	<b>4.00</b>	<b>5.00</b>	<b>6.00</b>	<b>0.00</b>	<b>26.00</b>

**Queens 3 - Central Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Beach Road							4.00
Blooming Point Road							8.00

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Bob Laird Road			1.00				
Corrigan Road		5.00					
Creek Road							2.00
Donaldston Road							8.00
Dougan Road							3.00
East Suffolk							6.00
Fort Augustus Road							12.00
Frenchfort Road							6.00
French Village							8.00
Joey's Road							2.00
Lorne Lane	3.00						
MacDonald Road			1.00				
MacGilivary Road			2.00				
Monaghan Road							12.00
Mt. Stewart Road				2.00			
Normandy Lane	2.00						
Pisquid Road							4.00
Pleasant Grove Road							5.00
Pt. DesRoches Road			6.00				6.00
St. Peters Road							14.00
Simpson Lane							4.00
<b>Total</b>	<b>5.00</b>	<b>5.00</b>	<b>10.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>86.00</b>

**Queens 4 Central Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Appin Road							4.00
Argyle Shore Road							6.00
Balakalava Road			0.50				
Bannockburn Road							7.00
Bolger Park			0.50				
Bonshaw Road							3.00
Canoe Cove Road							6.00
Clyde Road			0.10		30.00		
Clyde River Road				1.00			
Colville Road							8.00
Cornwall Road					0.20 m		1.00

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Currie Road			0.10				2.00
Darlington Road							4.00
Farrar Road							1.00
Ferguson Road							10.00
Ferry Road							3.00
Green Road							2.00
Hennebury Road			0.20		2.00		
Highland Park Road			0.15				
Hyde Point Road			0.20				
Inkerman Road							7.00
Johnston Road			0.20				
Kingston Road							10.00
Kinkora Road							11.00
Lynwood Road			0.10				
MacDonald Road			0.10				
Maplewood Road				0.60			
McKenna Road			0.05				
Meadowbank Road							6.00
Monument Road		0.10					
New Dominion							5.00
North York Point Road							3.00
Osborne Road							10.00
Peters Road							10.00
Riverdale Road				0.10			4.00
Route 19, Rocky Point							4.00
Sheepskin Road							3.00
Todd Road			10.00				
Upper Meadowbank Road							3.00
Warren Grove Road							3.00
West River Road							4.00
Total	0	0.1	12.2	1.7	32.2	0	140



**Queens 5 Central Region - Maintenance Activities**

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Bonang Road		0.20					
Breadalbane Road				2.00			
Bumble Bee Road							0.25
Bungay Road				0.45			
Buntain Road		0.40					
Cape Road, Rustico	0.15				0.20		0.30
Cavendish Road				0.48			
Center Road			1.40				0.20
Clyde Road				70.00			
Cobb Road			0.25				
County Line Road Rte 232				1.50			
Cousins Shore			0.40		0.20		
Cove Road	0.18						
Eddy Murphy Road			0.30				
Grady Road			0.40				1.20
Harding Creek Road		0.15	0.20				
Hazelgrove Road			0.30		0.15		
Junction Road	0.20						
Long River East			0.50				
MacGregor Road							0.40
McCourt Road			1.20		2.00		2.20
Mill Road Dixon							10.00
Mill Road Rte 2				60.00			
Millman Road			0.30				
New Glasgow Road				8.50			
New Road			0.20				
New Orleans							0.10
Pine Grove Road	0.10	0.15	0.20				0.15
Princetown Road W			0.40				
Route 13				4.90			
Rustico Road				3.00			
Smith Road			0.50				
Snowie Road			0.70		1.50		
St. Patricks Road			0.20	0.25			
Trout River Road		0.30					

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Turner Road			0.80				
Warburton Road			0.20				0.30
Wharf Road, Long River	0.20						
Woodside Road	1.00		0.20				
<b>Total</b>	<b>1.83</b>	<b>1.20</b>	<b>8.65</b>	<b>151.08</b>	<b>4.05</b>	<b>0.00</b>	<b>15.10</b>

## CENTRAL REGION: WINTER MAINTENANCE

Winter activities in Central Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used:

There were 19,143.11 salt purchased for salt-only and 50/50 mix for ice control. The region purchased 1,912.47 tonnes of salt to blend with its winter sand. The blended winter sand consisted of a mixture of six percent salt, 30 percent imported, 1/4" minus stone and 70 percent local sand. This material was stored at eight sites throughout the Region. 28,433.71 tonnes of blended winter sand was purchased for use in the Region.

### Ice Control

Ice control on 185 kilometres of the main highways in the Region (a two-lane equivalent of 249 kilometres) was maintained by the direct application of road salt. Ten tandem and three single-axle trucks, equipped with automatic spreader gear were used for salt application. Department trucks were utilized to provide this service in the Charlottetown Perimeter Highway, City of Charlottetown, Cornwall and the Town of Stratford.

### Sanding Operations

Approximately 1,345 kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by five sanding contractors using department installed hoppers and spreaders. Winter sanding contractors completed their four-year contract. In addition, six tandem and four single-axle trucks were utilized to provide sanding service in Cornwall, Stratford, and the remaining collector roads in Queens County.

### City of Charlottetown

The Department carried out snow and ice control on 25.52 kilometres of main streets in the City. The City of Charlottetown purchased 7,092.00 tonnes of salt and 228.35 tonnes of blended sand from the Department.

### Snowfall Records

Total snowfall recorded by Environment Canada recording station volunteers in the Central Region was:

Location	Recorded (cm)
Wood Island	340.3
St. Ann	353.7
New Glasgow	258
Charlottetown	341.7

### Snow Fence Report

The Department installed approximately 11,540 feet of snow fence adjacent to department plowed snow routes to control drifting in open areas.

**Contracted Services**

The following is a breakdown of the contracted sanding and snow removal services for the fourth year of a seven-year contract with private contractors.

<b>Contractor</b>	<b>Kilometres Plowed</b>
Island Coastal East	153.98
Birt & MacKay Ltd.	92.40
M & M Resources	97.51
Island Construction	133.50
Maritime Construction	118.09
Matheson Construction	101.36
Matheson & MacMillan	85.76
Westisle Construction	149.05
<b>Total</b>	<b>931.65</b>

The Department was responsible for plowing 776 kilometres of highway. To this end, 24 plow routes and six blower routes were established. The following equipment was assigned and located as follows:

**Central Region**

<b>Location</b>	<b>Kilometres</b>	<b>Graders</b>	<b>Blowers</b>	<b>Loaders</b>	<b>Trucks</b>
TCH West, Charlottetown to Crapaud	32.1				2
St. Peters Road, Charlottetown to Canavoy	31.3				1
TCH East Charlottetown - Eldon	35.4				1
TCH Eldon - Wood Islands & ½ of Selkirk Rd	43.6				1
By-Pass Charlottetown	10.0				1
Charlottetown Route 2 - Summerfield	37.3				2
Route 225 & Colville Road	35.4				1
Route 235 & 13	32.5				1
Rustico Road, Cavendish Road	29.5				1
Cornwall Subdivisions	10.0	1			
Cornwall Subdivision, Cornwall Road to Kingston Road	12.1	1			
Murray Harbour, Kinross & Selkirk Road	39.5		1		1
New London, Stanley Bridge, Cavendish, Kensington & Malpeque	32.1	1			
Ebenezer, Mayfield and Rennies Road	29.8				1
Rustico	18.1			1	

Location	Kilometres	Graders	Blowers	Loaders	Trucks
Cornwall, York Point	17.2			1	
Rice Point & Rocky Point	34.3				1
Meadowbank, Ferry, York Point and Upton Road	30.9				1
Stratford Road & Bunbury	52.3	1			2
Murray Harbour, Kinross Road and Selkirk Road.	19.3				1
Ft. Augustus Road to Pisquid	20.7				1
Hillsborough Bridge, Kinlock Road intersections and government buildings (salt)	8.0				1
Charlottetown Mains	29.4				2
Pownal, Crossroads, Stratford & Keppoch	32.5			1	2
Government building lots			1	2	
York Point Road to Pleasant Grove, Vessey Subdivision	11.7				1
Brackley Point, Portage and Union Road	24.4				1
Bedford Road, Eastern, Black River & section of York Road	27.3				1
By-Pass	16.2				1
Central Region (used where needed)			4		
Spares		2		1	2
<b>TOTALS</b>	<b>752.9</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>30</b>

#### WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the June to October. A total of 22,757 tonnes was used by the branch for repairing the Province's paved road network in the Western Region. This asphalt was financed from the Division's operating and capital maintenance budget. Hand patching crews spread 2,661 tonnes. Private contractors supplied/placed 20,096 tonnes of asphalt over 30.37 kilometres.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIER	TONNES
Curran & Brigg's	13,666.00
Chapmans	9,091.00
<b>Total</b>	<b>22,757.00</b>

#### Resurfacing

The following roads were resurfaced by private contractors through supply & place contracts resurfacing approximately 30.37 kilometres.

**Prince Zone P-1**

Road Name	Kilometres
Rte 119 Fernwood Rd	1.23
Noonan Shore Rd	0.61
Birch Pt Rd	0.40
Rte 112 Bedeque	0.81
Rte 115 Mt Tryon	0.40
Chelton Rd	0.32
<b>Total Kms</b>	<b>3.77</b>

**Prince Zone P-2**

Road Name	Kilometres
Marks Rd (Queens)	0.55
John Murphy Rd (Queens)	0.50
Taylor Rd Malpeque	0.40
Thompson Pt Rd Margate	0.63
Baltic River Rd	1.50
Rte 8 Grahams Rd	1.00
Rte 179 Goodwin Rd	1.03
Rte 127 MacIsaac Rd	1.03
Rte 177 Mt Carmel Rd	0.74
Campbell Rd Miscouche	0.48
Kelly Dr Miscouche	1.02
Cunnigham St	0.22
<b>Total Kms</b>	<b>9.10</b>

**Prince Zone P-3**

Road Name	Kilometres
Southwest Rd	1.07
Low Point Rd	1.16
MacLellan Rd	0.62
Rte 123 Belmont Rd	0.60
Rte 167 Allen Rd Arlington	1.47
Baglole Wharf Rd	0.50
Enman Shore Rd	0.54
Rte 175 Conway Rd	0.57
Rte 170 MacAllar Rd	0.74
Rte 164 Hebron Rd	0.55
Rte 139 Hamilton Rd	0.50
Rte 140 Buchanan Rd	1.00
<b>Total Kms</b>	<b>9.32</b>

**Prince Zone P-4**

Road Name	Kilometres
MacKinnon Dr O'leary	0.50
Wharf Rd Cape Wolfe	0.26
Rte 143 Howlan Rd	0.50
Rte 14 Campbellton	1.00
Rte 150 Dock Rd	1.04
Rte 172 Fortune Cove	1.03
Rte 12 Central Kildare	0.35
Rte 158 Harper Rd	1.00
Rte 12 Seacow Pond	1.60
Thompson Rd	0.40
Doucette Rd	0.50
<b>Total Kms</b>	<b>8.18</b>

**Bush Cutting**

During the season, three government and two private mechanical bush cutters cut bushes along the highway. Approximately 521.40 (2 passes) kilometres were cut. The Division also used a mechanical brush chipper and crew to eliminate the need to haul away the slash.

### Road Maintenance

During the year, six graders in the county carried out grading services on the unpaved road network. This would include 298 kilometres of seasonal roads and 221 kilometres of year-round unpaved roads. In somecases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

<b>Sandstone</b>	<b>Gravel</b>	<b>Gabion Rock</b>	<b>Other</b>	<b>Millings</b>
<b>21,402</b>	<b>29,918</b>	<b>267</b>	<b>0</b>	<b>5,196</b>

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required. This work was financed through regular maintenance and capital budgets. On the paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included department or privately-owned ditching machines and trucks. New culverts were installed as required for new entrance ways and removal.

The amount of culvert material installed in the Western Region can be found under the section *Polyethylene and Corrugated Steel Drainage Pipes*.

### Guardrail and Roadside Maintenance

Maintenance crews were employed within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each zone.

### Grass Cutting

The Department contracted five private grass cutters to maintain 838.8 kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September (2 cuts). In addition, 3 department tractors were utilized for roadside grass cutting on arterial collectors and scenic drives of approximately 816.92 (two passes) kilometres throughout the Region.

### Shoulder Material

During the season, shoulder material was used to upgrade and repair low sections of shoulders.

### Dust Control

Maintenance crews used 56,700 liters of mixed calcium solution to control dust in along 23.5 km's of specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 98, 890 litres was used to treat 28 kilometres of road.

The accompanying tables give location and extent of work done in each Zone during the year

**Prince Zone P- 1 Western Region - Maintenance Activities**

<b>Road Name</b>	<b>in kilometres</b>						
	<b>Millings</b>	<b>Gravel</b>	<b>Shale</b>	<b>Shoulders</b>	<b>Ditching</b>	<b>Tap Drains</b>	<b>Bush Cutting</b>
Mt Tryon Road	0.50			0.50			
Rte 10 Seven Mile Bay	3.00			3.00			
Fernwood Road	1.20			1.20			
Searltown Road	0.50			0.50			
Rte 10 Augustine Cove	1.00			1.00			
MacCallums Pt	0.20		1.00	0.20			
MacDonald Road			0.60				

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
McMurdo Road		0.80			0.80		
Drummond Road		0.80			0.80		
Amherst Cove Road		0.30					
Cutcliff Road		0.50					
Vernon Muttart Road	0.10	0.20					
Montgomery Road	0.10						
Herds Pt Road	0.10						
Bradford Road			0.20				
Maple Plains Road			0.30				
N Freetown Road			0.20				
River Road		0.10					
Baker Shore Road	0.10	0.20					
Clark Road	0.20						
Bedeque Rink Road	0.10	0.10					
Middleton	0.10						
Connelly Wood Road			0.20				
McCardle Road			0.10				
<b>Total</b>	<b>7.20</b>	<b>3.00</b>	<b>2.60</b>	<b>6.40</b>	<b>1.60</b>	<b>0.00</b>	<b>0.00</b>

**Prince Zone P- 2 Western Region - Maintenance Activities**

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Arsenault Saw Mill			0.30	0.30			
Taddy Road			0.30	0.30			
St John Road			0.30	0.30	0.30		
Barlow Road			0.38	0.38			
Hackmatack Road			3.00	0.30			
John Paul Road			0.30	0.30			
Thunder Cove Road		0.50	0.50	0.55			
Byanton Road		0.20	0.20				

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting
Union Corner Road		0.85	0.85	0.85	0.50		
Ives Pt Road		0.80	0.80				
Strang Road		0.24	0.24				
Nebraska Road		0.15	0.15				
Rte 6					0.20		
Memory Lane					0.20		
Taylor Road					0.20		
Barbara Weit Road					0.30		
Union Corner Road					0.50		0.70
Rte 2 St Eleanors					0.30		
Belmont Road					0.35		
Rte 12					0.40		
St Nicholas Road					0.40		
Rte 11 Mt Carmel					0.20		
Rte 11 Cape Egmont					0.20		
St. Rapheal Road					0.30		
Rte 124 / Cyrus Road					0.10		
Read Road							0.20
Belmont Park Road							0.50
Homes Road							0.50
Old Princetown Road							0.60
Matthews Lane							0.40
County Line Road Baltic							0.80
MacIsaac Road							0.40
Cassie Road							0.60
Higgins Road							0.40
Mountain Road							0.40
Murphy Road							0.30
Cannnontown Road							0.30
Total	0.00	2.74	7.32	3.28	4.45	0.00	6.10



**Prince Zone P- 3 Western Region - Maintenance Activities**

<b>Road Name</b>	<b>Millings</b>	<b>Gravel</b>	<b>Shale</b>	<b>Shoulders</b>	<b>Ditching</b>	<b>Tap Drains</b>	<b>Bush Cutting</b>
Southwest Road	1.00			1.00			
Low Pt	1.20			1.20			
Rte 167 Allen Road	0.80	1.60		2.40			
Rte 12 Arlington	0.60			0.60			
Rte 175 Conway		0.50		0.50			
Rte 170 MacAllar		0.70		0.70			
Hamilton		0.50		0.50			
Buchanan Road		1.00		1.00			
Hall Road	0.20						
Stewart Road		1.30					
Mill Road MacNeill Mills	0.05						
Willie Birch		0.50					
Enman Shore Road					0.80		
Camp Tamawaby		0.90					
MacInnins Road			0.20				
Rink Rd Ellerslie		0.30					
Dystant Road		0.40					
Bannerman Road					0.75		
Mount Misery		1.40					
Rte 12 Bayside					0.40		
Rte 12 Poplar Grove					0.20		
Hutchinson Road		0.50					
McNeill Mills					0.20		
Mickie Allen Road		0.30					
Oatway Road		1.70					
Conway					0.15		
Canadian Road						0.15	
Thompson Road		0.20			0.40		
Terry Boylan Road			0.25		0.25		
Rte 14 West Point					0.15		
Barlow Road					0.30		
<b>Total</b>	<b>3.85</b>	<b>11.8</b>	<b>0.45</b>	<b>7.9</b>	<b>3.6</b>	<b>0.15</b>	<b>0</b>

**Prince Zone P-4 Western Region - Maintenance Activities**

<b>Road Name</b>	<b>Millings</b>	<b>Gravel</b>	<b>Shale</b>	<b>Shoulders</b>	<b>Ditching</b>	<b>Tap Drains</b>	<b>Bush Cutting</b>
Christopher Road		0.35			0.61		
Peter Road		0.60					
Trainor Road		0.60			0.12		
Jerry Road		0.60					
Doyle Road		0.40			0.83		
Butcher Road		0.30			0.18		
Centerline Road		1.90			0.32	0.10	
Sheilds Road			2.50				
Josie Shang Road		0.15					
Fitzpatrick Road		0.15					
Piusville Road		0.15					
Knox Lane			0.40		0.35		
Souwest Road		1.00					
Reserve Road			0.16				
Birch Grove Road			0.20				
Botts Road			0.55				
Dock Road					0.19		
Murray Road					0.33		
Fortune Cove Road					0.85		
Casumpec Road					0.20		
Old Western Road					0.73		
Rte 14 Skinners Pond					0.28	0.10	
Thompson Road					0.24		
Doyle Road Glengarry					0.47		
Strang Road					0.21		
Hogan Road						0.12	
Waterford Road						0.16	
<b>Total</b>	<b>0.00</b>	<b>6.20</b>	<b>3.81</b>	<b>0.00</b>	<b>5.90</b>	<b>0.48</b>	<b>0.00</b>

**WESTERN REGION: WINTER MAINTENANCE**

Winter activities in the Western Region involved salting, sanding and snow removal. Temporary cold patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used: 8538.93 tonnes of salt were purchased for salt-only and 50/50 mix for ice control, 1957 tonnes to blend with its winter sand. The 32,479.67 tonnes of blended sand purchased by the Region includes amounts for reserve piles. This blended material consisted of a mixture of six percent salt, 30 percent imported, 1/4" minus stone and 70 percent local sand. This material was stored at nine sites throughout the Region.

### Ice Control

Ice control on sections of Highway 1, 1A, 2 East, 2 West, 153 and sections of 142, 150 and 152, as well as Tignish, O'Leary and Alberton main streets, including 190.49 kilometres of road, were maintained by direct salt application.

### Sanding Operations

Approximately 1,425.59 kilometres of secondary roads were maintained with blended winter sand/salt operations. Sanding operations were carried out by three sanding contractors using department installed hoppers and spreaders, nine snow contractors and 4 government sand trucks. Winter sanding contractors completed their one- year contract.

### Snowfall Records

Total snowfall recorded by Environment Canada recording station volunteers in the Western Region was:

Location	Recorded (cm)
Alma	134.3
Albany	159.3

### Snow Removal Contracted Services

The following is a breakdown of the contracted snow removal services:

Contractor	Kms Plowed
101364 PEI Inc.	98.96
AJL Ltd.	90.39
Clearview Construction	153.83
Curran & Briggs Ltd.	197.59
Duffy Construction	156.46
Matthew's Lime Spreading	87.35
Northern Enterprises Ltd.	88.51
Island Coastal West	174.59
Tri-Mix	99.52
<b>TOTAL</b>	<b>1147.20</b>

The Department was responsible for plowing 466.32 kilometres of highway. To this end, 17 plow routes were established. The following equipment was assigned and located as follows:

### Western Region

Location	Kms.	Graders	4 x 4	Blowers	Loaders	Trucks
Tignish	40.20					1
Cascumpeque / Alberton	34.65		1			
Bloomfield	29.34					1
Alaska	25.96	1				
Tyne Valley	23.43		1			
Stanley Bridge	32.07					1
Albany Route 1	23.29					1
Kinkora	28.06					1

<b>Location</b>	<b>Kms.</b>	<b>Graders</b>	<b>4 x 4</b>	<b>Blowers</b>	<b>Loaders</b>	<b>Trucks</b>
Albany / Route 10	34.21					
Summerside, Route 1A	21.51					1
Slemon Park	14.57				1	1
Wellington / Route 11	26.73					1
Summerside West	32.38					1
Summerside, Route 2 East	22.11					1
Freetown/Blue Shank	26.91	1				
O'Leary	25.02					1
St Louis	25.84	1				

### **Confederation Trail Maintenance**

Maintenance Crews performed work on the approximately 444 kilometres of the Confederation Trail.

<b>Activity</b>	<b>Total</b>
Vegetation Control	444 kilometres
Culvert Replacements	85 metres
Ditching	15.1 kilometres
Bush Cutting	64 kilometres
Pre-development	0 kilometres
Groom & Roll	91 kilometres
Groom & Resurface	48 kilometres

### **MECHANICAL BRANCH**

#### **Expenditures**

Operating budgets for the Mechanical Branch and Fleet Operations during the year totalled \$17,438,000  
The budget appropriation was distributed as follows:

<b>Activity</b>	<b>Total</b>
Charlottetown Garage Direct	4,618,600
Charlottetown Garage Indirect	1,123,800
Bridgetown Garage Direct	318,000
Bridgetown Garage Indirect	2,058,600
Summerside Garage Direct	3,345,300
Summerside Garage Indirect	142,700
Western Region Operators	1,640,700
Central Region Operators	2,734,700
Eastern Region Operators	1,455,600
<b>Total</b>	<b>17,438,000</b>

**Equipment**

During the 2016-17 year, a total of \$1,800,000 in Capital budget allocations was invested to upgrade the Provincial Government Light and Heavy fleet.

**Light Fleet**

Light Fleet includes vehicles categorized as passenger cars, vans and trucks of less than 2 ton.

**Light Fleet Purchases**

<b>Quantity</b>	<b>Equipment Purchased</b>
6	Half Ton 4x4
8	Half Ton Ext Cab
3	Half Ton Reg Cab
1	Three Quarter Ton Truck
2	Compact Car
2	Passenger Van (mini)
6	SUV
1	Service Truck Cap
1	Sign Truck Box
1	Sign Truck Cab & Chassis
<b>31</b>	<b>Total Vehicles Purchased</b>

**Heavy Fleet**

Heavy Fleet includes all commercial vehicles exceeding 2 ton and other heavy equipment such as loaders, tractors, bush cutters and attachments associated with the operation.

**Heavy Fleet Purchases**

<b>Quantity</b>	<b>Equipment Purchased</b>
3	Tandem Plow Trucks
3	Snow Accessories & Greasing Systems
3	Brine Tanks
1	Plow Truck (used)
1	Tractor with Loader
1	Compressor
1	Enclosed Trailer
1	Grader (used)
1	Flail Mower
<b>15</b>	<b>Total</b>

Each year this report includes a table to show the average fleet ages for active units as an indicator of the progress of the Fleet Replacement Program. The ideal number in the "Percentage Over Half Age" column is 50%. At any given time, half of the vehicles in the fleet should not be older than, 50% of the Optimum life and 50% should be younger than Half age. The table shows that the government wide corporate fleet and Transportation, Infrastructure & Energy heavy fleet continue to be older than the optimum age distribution.

**2016/17 Fleet Age Indicators**

Unit	Quantity	In Years			Percentage Half Age
		Optimum Life	Target Average Age	Actual Average Age	
Corporate Fleet	368	6	3	6.5	75.5%
Single Axle	9	10	5	9	100%
Tandem	51	10	5	8	4%
4 x 4	17	20	10	29	100%
Grader	23	20	10	27	91%
Loader	26	20	10	17	65%
Self Propelled Blower	6	25	12	33	100%
Loader Mount Blower	11	20	10	4	0%
Tractor Mount Blower	9	20	10	6	44%
Tractor	24	20	10	12	54%
Grade-all	2	20	10	24	100%
Rollers	24	20	10	8	21%
Sand Hopper	21	20	10	18	81%
Salt Spreader	12	15	10	2	0%
Trailer	67	20	10	13	63%
Crack Filling	2	10	5	5	50%
Skid Steer	1	10	5	5	100%
Self Propelled Lawn Tractors/Zero Turns	22	5	2.5	11	32%
Bush Cutter	12	10	5	14	50%
Shouldering Machine	2	20	10	6.5	0%
Paint Truck	2	10	5	10	100%
Fuel Truck	2	10	5	13.5	50%
Sign Truck	3	8	7	10	33%

**Replacement Program:**

Each year department staff conduct a review of the heavy equipment to determine an appropriate replacement program. This program identifies the most immediate needs of the Department - namely operational requirements - and the replacement of existing equipment that has exceeded the useful life cycle. This program identifies the equipment requirement for years one through five and the annual costs necessary to accomplish it. The equipment is aging and the Department continues to manage an aging fleet.

Transportation, Infrastructure & Energy maintains overall responsibility for the management of Provincial Government's Light Fleet. Department staff work closely with line departments in the overall management of fleet vehicles. This streamlined approach includes assessment of vehicles to determine appropriate replacement schedules, updating vehicle specifications to support operational needs, and identifying opportunities for reallocation of vehicles in the broader government fleet in an effort to maximize each vehicle's useful life.

**Systems:**

The Fleet Management System - Fleet Focus - is utilized to provide an account of the operating and maintenance costs associated with the Department's fleet of vehicles. A recent review of the report utility used to draw information from the Fleet Management System has improved information consistency and accessibility for users. Work is continuing on the review of existing data and processes to address change in process and structure. The Fleet Management Systems project is anticipated to continue throughout the next year.

**Financial Control:**

The measure for financial control is budget achievement. During the year, expenditures exceeded budget forecasts as a result of expenditures on repairs to heavy fleet equipment attributed to an aging fleet and increased costs of parts.

During the 2016/17 year government departments across the Province identified surplus parts and equipment no longer required to meet operational demands. Surplus parts and equipment were disposed of at a public auction coordinated by Transportation, Infrastructure & Energy staff and held in the fall of 2016.

**Safety:**

The Department continues to promote safety awareness by looking at methods to allow for safer work environments and educate the work force in areas of safety.

**Training:**

The Mechanical Branch continues to consider training a priority and therefore provided training in a number of areas including:

- First Aid
- Bus Mechanic Training
- Dangerous Goods
- Operator Driver Testing
- Engine Diagnostics
- Forklift Operation
- Mechanic Apprenticeship Training / OJT
- Scissor Lift Training
- Welding Apprentice Training / OJT
- WHMIS
- Accident Investigation & Workplace
- Inspections
- Back Care
- Office Ergonomics
- Confined Space

## POLICY AND PLANNING

The Policy and Planning Section is responsible for the assessment and analysis of transportation requirements and policies within the Province, including road, air and marine modes. This section also provides professional engineering support and direction, as resources permit, in the following areas:

- strategic and functional highway planning;
- participation in numerous federal/provincial/territorial committees working on transportation policy issues;
- strategic federal policies, regulations, infrastructure and services on Prince Edward Island;
- creation of briefing packages for national and regional meetings attended by the Minister and Deputy Minister;
- creation of preliminary design options;
- department representation during the planning and implementation of infrastructure development projects on behalf of municipalities and community development groups;
- facilities planning;
- project management support and supervision for special projects relating to transportation planning, design and highway construction; and
- support and planning with regard to the implementation and management of transportation research initiatives and new technologies which have the potential to contribute to the enhanced economic development by improving safety and efficiency on the provincial highway network.

Planning Section staff represent the Province on several national, international, regional, and provincial committees, including the following:

- Policy and Planning Support Committee (PPSC)
- Aviation Standing Committee
- National Highway System Review Task Force
- Northern, Rural and Remote Task Force
- Transportation and the Economy Task Force
- Automated and Connected Vehicles Task Force
- Transportation and the Environment Task Force
- Transportation Statistics and Policy Issues Working Group
- Atlantic Canada Airports Association
- Board of Examiners, Land Surveyors Association (Chair)
- Atlantic Provinces Transportation Forum
- Canadian Transportation Research Forum

In addition, the section is responsible for monitoring activity and progress of various other committees and task forces where relevant.

The Policy and Planning Section was involved in various projects, including the following:

### **National Highway System**

Following the success of the Department's efforts to expand the National Highway System (NHS) in 2004 and 2005, work has continued on the F/P/T NHS Review Task Force to address the need for ongoing review of the NHS and development of an annual report card on NHS condition and performance nationwide. On PEI, Routes 1, 1A, 2, and 3 comprise the NHS.

### **Atlantic Canada Transportation Strategy**

At the direction of Atlantic Ministers of Transportation, a strategy document entitled "*Charting the Course: Atlantic Canada Transportation Strategy 2008-2018*" was created and released by Atlantic Ministers responsible for transportation in January 2008. The strategy identified a common vision for regional transportation, strategic regional multimodal infrastructure, challenges facing transportation in Atlantic Canada, and an action plan to address these challenges. Progress on identified issues is ongoing.



**Direct Allocations (DA) to the 26 Water and/or Sewer Municipalities**

In order for the 26 water and/or sewer municipalities to receive their bi-annual funding installments, they needed to supply Capital Investment Plan(s) (CIP) to the Infrastructure Secretariat for review. In 2016/17 the Infrastructure Secretariat reviewed 97 CIPs totaling \$45.7M, of which municipalities directed \$34.04M of their Direct Allocation funds. The Direct Allocations to the municipalities released in 2016/17 was \$7.95 million.

**Notional Allocation (NA) to Remaining 47 Municipalities**

Under the new Gas Tax Administrative Agreement it was negotiated that those municipalities that do not offer water and/or sewer would receive an application-based allocation. The expanded program categories now offer more opportunities to use Gas Tax funds. A carve off was made for these Notional Allocated municipalities. In 2016/17 the Infrastructure Secretariat reviewed 40 CIPs totaling \$1.54M, of which municipalities directed \$1.4M of their Notional Allocation funds. The Notional Allocations to the municipalities released in 2016/17 was \$469,695 dollars.

**Roads and Bridges (R&B)**

Through the Gas Tax funding for the Roads and Bridges component, the Province will receive \$23.4 million over a five year period. The Gas Tax budget set aside \$4.75M for the Department of Transportation, Infrastructure and Energy (TIE) to use in FY 2016/17. All the projects are carried out by the department of TIE within municipal boundaries. The FY 2016/17 projects include Rte. 152, St. Louis; Manor Road, Tyne Valley; Wellington Road & Spring Street, Wellington; Alberton Storm Sewer; Rte. 225, Kinkora; Rte 133, Ellerslie/Mt. Pleasant; Town of Stratford; York Road bridge replacement, Rte. 4, Bridgetown; Rte. 4 Main Street Montague; MacPhee Road, Souris; LED upgrades (East/West); Souris Erosion Control Plan; Rte.6, Grand Tracadie; Stanley Bridge Roundabout and Granville St. Roundabout Rte. 2.

**Municipal Strategic Component (MSC)**

A new component was negotiated to direct Gas Tax funds toward projects that are strategic for municipalities and the Province. These projects are to address environmental, social and economic issues. This program is targeted at "making a transformative difference in the sustainability and future prosperity of Local Governments and Unincorporated Areas in Prince Edward Island". Over the five year period of the program \$10.62 million has been set aside. This amount includes a provincial allocation for administration funds.

In 2015/16 the Province's Gas Tax business case was approved by the Federal government totaling \$2.3M over the five year period. The remaining amount of \$8.33M is directed toward projects. The MSC has two intakes for project consideration a year based on the amounts of fund approved and found in the budget for that fiscal year's budget.

In 2016/17 the Project Review Committee under the MSC approved 2 projects. The total amount of funding that was released to municipalities was \$830,798.

**New Building Canada Fund - Small Communities Fund (NBCF-SCF)**

The New Building Canada Fund - Small Communities Fund (NBCF-SCF) is one part of the New Building Canada Fund. Total funding of \$27.7 million was allocated to the Province. NBCF-SCF is an application-based program open to local governments, non-profit groups, for-profit corporations, and the Province (for projects where it provides municipal services to non-incorporated communities).

There are thirteen categories eligible under the NBCF-CCSCF program:

Water Infrastructure	Solid Waste Management
Wastewater Infrastructure	Innovation
Public Transit Infrastructure	Brownfield Remediation and Redevelopment
Green Energy Infrastructure	Local and Regional Airport
Disaster Mitigation Infrastructure	Short Sea Shipping Infrastructure
Connectivity and Broadband Infrastructure	Shortline Rail
Highways and Major Roads Infrastructure	

As of March 31, 2017 there were 11 approved projects valued at \$71.5 million. In the FY 2016/17 eight projects made claims totaling \$3.3M as show in Table 1 below.

**Table 1 - New Building Canada Fund - Small Communities Fund Actual Expenditures FY 2016/17**

New Building Canada Fund - Small Communities Fund (NBCF-SCF)			
APPLICANT	PROJECT NAME	TOTAL PROJECT COST	FY 2016-17 EXPENDITURES
Alberton	Elizabeth Drive Sewer Main Replacement	98,708	6,354
Charlottetown	Colonel Grey Sewershed Rehabilitation	2,697,750	1,146,609
Kensington	Kensington Storm Drainage System	1,401,555	5,505
O'Leary	Gaspe Road Sewer Replacement - 2015	103,113	14,142
Resort Municipality	Cavendish Lagoon Upgrades	488,421	210,357
Stratford	Rankin Subdivision Water	891,600	589,241
Summerside	Stormwater Rehabilitation North & South	2,011,387	1,340,924
Tignish Initiatives Corporation	Tignish District Heating Project	1,128,810	20,095
<b>Total</b>		<b>8,821,344</b>	<b>3,333,228</b>

#### **Provincial Infrastructure Fund (PIF)**

The Prince Edward Island Government announced the PIF Fund to offset the impact of the HST on Island municipalities. The program ran for an additional year 2016/17 but is to be eliminated after this year as the Department of Finance is working with municipalities to develop a new revenue sharing mechanism in which the issue of HST is to be dealt with.

The \$1.8 million Provincial Infrastructure Fund is intended to provide for the investment in municipal capital infrastructure projects. The Province recognizes the need for further funding for infrastructure to ensure our infrastructure deficit is addressed. The program invests in modern infrastructure that encourages sustainability for Island municipalities. In FY 2016/17, 18 projects were funded to a total cost of \$4.68 million of which \$1.8 million came from the PIF program.

### **Transportation Infrastructure Needs**

The assessment of road infrastructure needs is ongoing. Road infrastructure needs are monitored regularly and summarized often to quantify the need, enabling effective planning for infrastructure funding. The Province's National Highway System is the primary highway network in the Province; monitoring and addressing its infrastructure needs remains a priority. To this end, the Planning Section works with the Capital Projects Division to update the need assessment for this network as required, including road and bridge reconstruction and rehabilitation.

### **INFRASTRUCTURE SECRETARIAT**

The Infrastructure Secretariat is responsible for administering infrastructure funding programs for Prince Edward Island. The office houses four full-time provincial employees and one contract position for a special Asset Management Gas Tax project.

Within the reporting period, four infrastructure programs were in operation:

- Gas Tax Extension and Permanent Program (GT);
- New Building Canada Fund – Small Communities Fund (NBCF-SCF);
- Provincial Infrastructure Fund (PIF);
- Clean Water Wastewater Fund (CWWF); and
- Public Transit Infrastructure Fund (PTIF)

### **INFRASTRUCTURE PROGRAMS**

#### **Gas Tax Fund Permanent Program (2014-2024)**

The Gas Tax program became active on November 22, 2005 with the signing of the Agreement. The Agreement provided the Province with \$37.5 million over 2005-2010. An extension to the program was announced on September 8, 2008, totaling \$60 million for a four-year period from 2010-2014. On May 27, 2014 the Province signed an Administrative Agreement for the next five years, totaling \$78.0 million.

The Permanent Gas Tax Administrative Agreement for the Province of Prince Edward Island has four component areas:

- |  |                        |
|--|------------------------|
| • Direct Allocation to the 26 Water and/or Sewer Communities           | \$41.34 million        |
| • Notional Allocation to 47 municipalities without water and/or sewer  | \$ 2.59 million        |
| • Roads and Bridges (municipal road services provided by the Province) | \$23.40 million        |
| • Municipal Strategic Component (includes administration costs)        | <u>\$10.66 million</u> |

**Total \$78.0 million**

All projects undertaken with Gas Tax funding must fall within the 18 eligible project categories, which are:

Wastewater	Solid waste	Community energy systems
Public transit	Water	Active transportation infrastructure
Tourism	Cultural	Capacity building
Recreation	Sports	Disaster mitigation
Broadband connectivity	Short sea shipping	Regional and local airports
Local roads and bridges	Highways	Brownfield redevelopment

The Province is entitled to receive \$78.0M from Canada as part of the allocation from the permanent agreement. The Province will receive permanent gas tax allocations from the Federal Government in the following allotments:

2014-15	2015-16	2016-17	2017-18	2018-19
\$15,000,000	\$15,000,000	\$15,750,000	\$15,750,000	\$16,500,000

**Direct Allocations (DA) to the 26 Water and/or Sewer Municipalities**

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<b>Provincial Infrastructure Fund</b>			
<b>Applicant</b>	<b>Project Name</b>	<b>Total Cost</b>	<b>PIF FY 2016-2017</b>
Alberton	Sidewalk Installation	26,000	22,100
Borden-Carleton	Gateway Area Upgrades Project 2016	22,760	22,760
Charlottetown	Storm Water Management	3,375,000	1,010,000
Cornwall	Cornwall Lagoon Berm Reconstruction	205,000	150,000
Georgetown	Three Rivers Sportplex Roof Repair Fall 2016	35,000	25,000
Kensington	Sidewalk Replacement Plan	35,000	35,000
Miltonvale Park	Fencing - Miltonvale Community Park	21,808	5,000
Montague	Waterfront Upgrades	132,095	30,000
North Rustico	Chlorine Pump and Installation	7,000	5,000
North Rustico	Co-op Lane/Park Revitalization	35,000	10,000
Sherbrooke	Windbreak/Roof and 3 Sun Tunnel Skylights	15,000	2,000
Souris	Gateway Park Playground Update	64,000	24,100
Stratford	Stratford Town Center Paving	50,000	50,000
Stratford	Asset Management/Integrated Town Software	215,500	50,000
Stratford	Purchase of Utility Tractor for trail maintenance	50,000	50,000
Summerside	Sidewalks 2016	374,069	300,000
Tignish	Sidewalk Replacement	7,000	6,000
Victoria	Leards Front Range Lighthouse Re-shingling	17,400	3,000
<b>TOTAL</b>		<b>4,687,643</b>	<b>1,800,000</b>

#### **Clean Water Wastewater Fund (CWWF)**

On July 28, 2017 the Federal and Provincial governments enter into a Bilateral Agreement which provided the province with \$55.6M in federal funding. The program duration is for two years. All projects are to have construction completed by the end of March 31, 2018, unless granted an extension.

CWWF was an application-based program open to local governments, non-profit groups, for-profit corporations, and the Province. The program had three main categories: water, wastewater and storm water. In total, 49 projects have been approved, totaling \$89.54M in expenditures of which the federal government is contributing \$44.77M and the province is contributing \$22.38M.

<b>CWWF Fund</b>			
<b>Applicant</b>	<b>Project Name</b>	<b>Total Cost</b>	<b>CWWF FY 2016-2017</b>
Alberton	Dock River Lift Station Replacement	230,850	109,742
Charlottetown	Fitzroy Sewer Lift Station Replacement	2,613,636	1,081,253
Charlottetown	Miltonvale Wellfield Mechanical/Electrical	2,927,273	1,247,774
Charlottetown	Miltonvale Wellfield Transmission and Distribution	5,488,375	1,807,766
Cornwall	Pond Street Lift Station	1,308,150	5,630
Cornwall	Distribution System Upgrade	1,168,500	30,461
Cornwall	Meadowbank Wellfield Upgrade	285,000	4,874
Georgetown	Georgetown Lagoon Upgrades Phase III	503,700	1,629
North Rustico	Harbourview Drive Sanitary Sewer Replacement	257,061	128,560
O'Leary	O'Leary Wastewater System Upgrades I&II	1,400,075	147,968
Slemon Park	Hangar 8 Lift -Station Rehabilitation	538,175	216,472
Summerside	SWPCC Biosolids System Upgrades	2,148,900	75,886
Summerside	Water/Sewer Replacement 2016	1,782,191	938,662
Summerside	Summerside Wellfield #2	2,769,858	6,105
<b>Total</b>		<b>23,421,744</b>	<b>5,802,781</b>

Four projects on their federal approval were granted an extension to March 31, 2019. Other projects have an opportunity over the FY 2017/18 to request extensions.

#### **Public Transit Infrastructure Fund (PTIF)**

On July 28, 2017 the Federal and Provincial governments entered into a Bilateral Agreement which provided the province with \$660,000 in federal funding. The program duration is for two years. All projects are to have construction completed by the end of March 31, 2018, unless granted an extension.

PTIF was an application-based program open to local governments and the Province. The program had three main categories: capital projects for rehabilitation, asset management for transit, design and planning for future transit system and projects for expansion. In total, 2 projects have been approved, totaling \$1.3M in expenditures of which the federal government is contributing \$653,400 and the province is contributing \$325,374.66.

## ACCESS PEI

Access PEI's mission statement is to provide high quality and efficient delivery of provincial government services to rural and urban clients

The purpose of the division is to provide quality services to Islanders through single window access to government programs, services and information. Islanders also access information through several hundred thousand telephone calls that are received and handled on an annual basis.

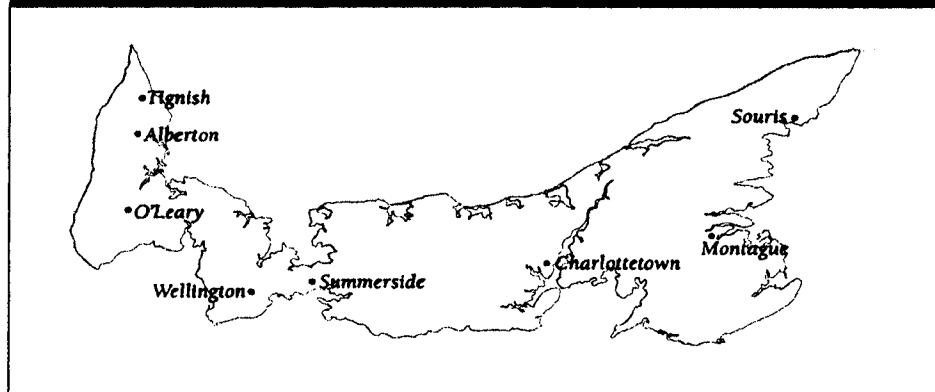
At Access PEI, customers have access to over 400 government services including: payment of property taxes; remittance of sales tax; renewing drivers licences; renewing vehicle registrations; obtaining marriage licences; obtaining fishing licences; and availability of government job application forms.



In 2016/2017 Access PEI served 216,694 customers and performed 365,113 Transactions totalling \$41,718,849 in revenue.

Access PEI is the public face of government throughout Prince Edward Island providing Islanders with access to provincial government programs and services on behalf of all government departments. The division also provides administrative support to other provincial government departments within the eight sites.

**There are eight Access PEI sites that provide a full range of government services to Islanders.**



Access PEI has begun a Lean Six Sigma review of some of the more complex services that it offers. This process has both reduced training time for new staff and improved accuracy across all Access sites.

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ALBERTON	7,884	12,308	\$1,088,312	3.37%
BORDEN SCALE HOUSE	45	462	\$338,375	0.13%
CHARLOTTETOWN	99,208	158,901	\$18,909,695	43.52%
MONTAGUE	23,411	37,266	\$4,124,788	10.21%
O'LEARY	8,928	14,002	\$1,432,659	3.83%
SOURIS	8,681	13,901	\$1,584,199	3.81%
SUMMERSIDE	53,101	84,239	\$9,806,047	23.07%
TIGNISH	6,596	10,542	\$1,075,839	2.89%
WELLINGTON	8,840	14,579	\$1,524,824	3.99%
ONLINE MOTOR VEHICLE RENEWAL		18,913	\$1,834,113	5.18%
<b>TOTALS</b>	<b>216,694</b>	<b>365,113</b>	<b>\$41,718,849</b>	<b>100.00%</b>

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## ENERGY AND MINERALS

This year, the Energy and Minerals Division, with the PEI Energy Corporation, completed work on a new Provincial Energy Strategy. In March 2017, the Strategy was released, providing a guide to energy development on PEI over the next five to ten years. Key recommendations include: expansion of energy efficiency programs, development of additional renewable energy generation, and a new focus on reducing fossil fuel use in transportation.

Reducing consumption through efficiency and conservation is the most cost effective approach to saving energy dollars and preserving the environment. On January 22, 2008 **efficiencyPEI** (formerly known as the Prince Edward Island Office of Energy Efficiency) officially opened its doors to provide Islanders with a one-stop venue for information about provincial and federal energy efficiency programs, services and other pertinent information.

Since opening in 2008, **efficiencyPEI** has provided:

- Over \$7 million in grants to over 8,000 residential clients;
- \$9.4 million in loans to 1,775 residential clients;
- A free weatherization service to 3,600 low-income homes;
- Over 500 businesses with programs and services to help reduce their energy consumption;
- Generated over \$50 million in building renovation expenditures.

**efficiencyPEI** launched its new Home Energy Audit Program in October, 2016. Financial assistance is available to assist Islanders in completing an EnerGuide evaluation of their home. **efficiencyPEI** provides an initial subsidy of \$150 (half the cost) paid directly to the audit company.

With the hiring of a Community Outreach Coordinator, **efficiencyPEI** has started to revamp its communications activities. Our Facebook page [facebook.com/efficiencypei](https://facebook.com/efficiencypei) has undergone a transformation and is now providing relevant and timely information to Islanders including information on current home heating costs and upcoming events.

Earlier this year, **efficiencyPEI** hosted a series of Build a Better Home workshops in partnership with PEI municipalities. 250 people attended the Charlottetown event in January, and over 40 attended the workshop in Stratford, on a stormy night in February. The Summerside event was rescheduled due to weather but also saw a showing of nearly 60 people in late March. These events also garnered significant engagement online: the livestream videos have been viewed more than 1,000 times and the hashtag #BetterHomesPEI. was trending in the province during the Charlottetown event.

To better serve the population in Prince County, the **efficiencyPEI** Energy Programs Assistant in Summerside will now visit Tignish, Alberton and O'Leary on a rotating basis.

### **Interministerial Women's Secretariat**

The Interministerial Women's Secretariat provides assistance to the provincial government to promote the legal, health, social and economic equality of women. The Secretariat works in partnership with women's organizations and the community to develop projects, programs and services that benefit women from Prince Edward Island.

The Interministerial Women's Secretariat:

- Assists the minister and government in the promotion and protection of gender equality.
- Provides assistance to the provincial government to promote the legal, health, social and economic equality of women.
- Partners with community on projects that promote the status of women and develop projects, programs and services that benefit women from Prince Edward Island.
- Funds the Advisory Council on the Status of Women.
- Offers grant funding to community projects that benefit women from Prince Edward Island.

### **FPT Forum**

The Interministerial Women's Secretariat provides staff support for the Minister Responsible at the Status of Women at the Federal-Provincial-Territorial (FPT) Forum. The mandate of the Federal-Provincial-Territorial (FPT) Forum of Ministers Responsible for the Status of Women is:

- to share knowledge and information with an aim to advance equality between women and men; and
- to undertake collaborative initiatives, as agreed upon by consensus, on issues related to the enhancement of women's equality that concern all jurisdictions.

The FPT Status of Women forum provides FPT Ministers with a collective and unique opportunity to lead and influence change on current and emerging issues related to women's equality and the status of women in Canada.

Through the Forum, FPT Ministers:

- Have a platform for sharing information on current initiatives, future priorities, best practices and challenges related to the enhancement of women's equality.
- Lead and/or inspire action in areas for which all Ministers Responsible for the Status of Women have a defined mandate or primary responsibility, which contribute to meaningful change in the lives of women and girls.
- Have a distinct and visible public profile and are able to speak with a "common voice" to raise awareness and inspire action on issues of shared concern related to women's equality and the status of women in Canadian society, while taking into account that jurisdictions have their own specific approaches and priorities in addressing those issues.
- Are broadly acknowledged as influential on issues of interest across FPT jurisdictions, which can enhance stakeholder and public support for initiatives within or across jurisdictions aimed at enhancing equality between women and men.
- Can draw on the proceedings of the Forum to build support and move forward on priorities within their own jurisdictions.

The 34th Annual Meeting of Federal-Provincial-Territorial (FPT) Ministers responsible for the Status of Women took place in September 2016 in Edmonton, Alberta. The Ministers addressed priority issues for women and girls at the meeting including ending violence against women and girls, reducing the gender wage gap, and enhancing the use of Gender-based Analysis (GBA) in decision-making as a critical tool for advancing gender equality.

Ministers shared updates based on their respective actions in their own jurisdictions to reduce and prevent gender-based violence, including violence against Indigenous women and girls, as well as human trafficking. The Ministers agreed to identify further opportunities for complementary actions among provincial/territorial strategies addressing violence against women and girls, and the Federal Strategy Against Gender-based Violence that is now being developed. Ministers have agreed to explore additional opportunities for collaboration to address sexual violence, such as the issue of low reporting rates and appropriate response mechanisms. They have also discussed opportunities to strengthen data collection and reporting on gender-based violence, and to explore the development of a monitoring and reporting framework.

Experts shared their insights on improving data collection, reducing and eliminating the gender wage gap, and supporting Indigenous women in leadership roles. These presentations helped inform Ministers on the best practices to achieve these goals and built upon recent actions by the FPT forum including the promotion of women in leadership positions on private and public boards, and increasing women's representation in science, technology, engineering and math (STEM) fields, as well as in the skilled trades.

Ministers discussed ways to improve the implementation of GBA across jurisdictions. Ministers also heard about innovative strategies being advanced by the governments of Quebec and Yukon which focus on the development of gender equality indicators and indices to help track progress on gender equality. Going forward, Ministers agreed to continue to share their respective experiences, challenges, and possible solutions for the enhanced implementation of GBA.

The Minister Responsible for the Status of Women represented the province at the National Indigenous Women's Summit in March 2017. The Prince Edward Island delegation to the National Indigenous Women's Summit included Chief Matilda Ramjattan of Lennox Island First Nation, Nancy MacLean of Native Council PEI, and Samantha Lewis of the Aboriginal Women's Association. Also attending the summit from the Island was Elder Judy Clark – president of the PEI Aboriginal Women's Association – representing the Native Women's Association of Canada, and Wanda Lyall of the Native Council of Prince Edward Island, who represented the Congress of Aboriginal Peoples. The Interministerial Women's Secretariat continues to partner with Aboriginal Affairs Secretariat on issues that relate to Indigenous women and girls.

## **Atlantic Forum**

The Interministerial Women's Secretariat also supports the Minister Responsible for the Status of Women at the Atlantic Ministers Responsible for the Status of Women Forum. The Atlantic ministers met in New Brunswick in February 2017. At this meeting, Ministers launched the *Guide to Gender Diversity in Employment*, which is a tool for employers to support gender diversity in their workplaces. The guide was originally created by the Newfoundland and Labrador provincial government. Recognizing the value of this resource to employers, it was revised and adopted by the forum. In addition to the launch of the guide, the ministers reiterated their intent to work with the federal government in advancing gender equality. They agreed to direct senior officials to share best practices, tools and resources on the issue of

women in leadership, and they discussed their ongoing commitment to the Outcomes and Priorities for Action to Prevent and Address Violence Against Indigenous Women and Girls. Currently, regional collaboration plans to address gender-based violence, as well as violence against Aboriginal women and girls are being developed in each of the provinces. The forum committed to engage with the newly formed Eastern Door Indigenous Women's Association, a regional coalition of Atlantic Native Women's associations.

### **Cybersafegirl**

The Interministerial Women's Secretariat administers and updates the [cybersafegirl.ca](http://cybersafegirl.ca) website. Cybersafe Girl is a regional, bilingual public education program about social media safety and girls. The project is developed and supported by the Atlantic Ministers Responsible for the Status of Women in Canada to provide information to girls, families and educators about how girls can be safe online.

### **Advisory Council on the Status of Women**

The Minister Responsible for the Status of Women and the Interministerial Women's Secretariat regularly meets with representatives from the Advisory Council on the Status of Women.

A cross-departmental Equality Report Card Committee was created that meets on a quarterly basis. This committee will allow for an interdepartmental gender and diversity engagement mechanism, plus provide support for departments in reporting to the next Equality Report Card from the Advisory Council on the Status of Women.

There were four appointments to the Advisory Council on the Status of Women this year. A rubric was created and followed to ensure open, merit-based processes for board appointments that also values diversity of membership.

### **Grants**

The Interministerial Women's Secretariat Grant is an annual request for proposal process. Incorporated non-profit organizations from Prince Edward Island whose mandates align with the promotion of the legal, health, social and economic equality of women are eligible for funding. Individual projects (i.e., projects that are forwarded by individuals not affiliated with a non-profit organization) are not eligible. In order to enhance the capacity for all organizations in the community, preference may be given to project-based organizations that do not have established core-funding provided by the Federal or Provincial government.

The objective of the Interministerial Women's Secretariat grant is to provide project funding to:

- Support organizations that provide direct services and programs for the benefit of women and girls in Prince Edward Island;  
and/or
- Support projects that enhance awareness, education and social action on women's legal, health, social and economic equality;  
and/or
- Support the capacity of women's organizations that promote women's equality through advocacy, research and policy development.

This year, preference was made for projects that address one (or more of) the two focus themes through the request for proposal process:

- Women and/or girls in leadership
- Violence against women and/or girls

Through the request for proposals process, grants were awarded to the following organizations:

- **Women's Network PEI: \$16,600**  
Sharing Leadership: Engaging all ages in the Women's Movement in PEI  
The goal of this project is to create connections across the women's movement and close the generational gap in feminism to strengthen the leadership of individuals and organizations working for women in PEI.
- **PEI Rape and Sexual Assault Centre: \$7,000**  
Supporting Survivors of Sexual Violence in PEI  
The goal of this project is to evaluate the therapy program offered to survivors of sexual violence at the centre.
- **Cooper Institute: \$5,000**  
Women on the Margins: Education and Policy Change for Migrant Women  
The goals of this project are to increase migrant women's democratic participation; to increase the reach of support and resources for migrant women in PEI; and to support the development and implementation of provincial policy best practices for migrant women.
- **PEI People First: \$9,000**  
Our Voices Count: Women with Intellectual Disabilities Speak up for Accessible Services  
Through this project, women with intellectual challenges will be empowered and provided with leadership opportunities; service providers will receive information to better meet the needs of women with intellectual disabilities; and a guide to making services more accessible to women with intellectual disabilities will be created.
- **Community Legal Information Association: \$12,200**  
Family Law Matters  
This project will create a set of plain language Family Law resource materials that will increase awareness about the rights of immigrants and newcomers to Canada when dealing with family law issues.
- **PEI Business Women's Association: \$9,200**  
Building Capacity in Young Women in PEI  
The funding is for a Co-hort of women to have a program delivered in the summer of 2017 and attend the FFIF Social Entrepreneurship Conference.
- **East Prince Women's Association of PEI: \$9,000**  
Safe Girls  
The funding is for East Prince youth to develop facilitation and leadership skills for future peer support. The focus will be on positive online messaging to enhance cybersafety and resilience.

## **Document Generation and Resources**

The IWS creates documents and information guides that are distributed within government and to the community at large. This includes:

- **Honouring Our Differences Gender and Diversity Analysis (one internal to government and one for community organizations)**  
The purpose of the guides are to promote use and understanding of Gender and Diversity Analysis (GDA) tools for government and in the wider Prince Edward Island community. The manuals introduce the basics of using a gender and diversity lens. It includes an introduction to the concepts of sex, gender and diversity, and it provides a gender and diversity checklist.
- **Information Guide for Women and Men in an Abusive Relationship 2017**  
This guide provides fullsome information about services available to victims of violence (and abusers) as well families, friends and neighbours who want to help. This resource is utilized by departments such as Family and Human Services, Justice and Public Safety, and Health for their clients and at workshops/training sessions.
- **Guidelines for Addressing Family Violence and the Workplace (in partnership with other departments) – released during Family Violence Prevention Week 2017**  
This handbook is a resource for PEI Provincial Government Workplaces to help them recognize and respond to employees affected by family violence. The suggestions contained in this handbook are intended as guides to raise awareness about the dynamics of family violence and potential impacts on the workplace; provide specific guidelines for managers and supervisors to help them support employees affected by family violence; and provide information to help keep employees safe and prevent family violence situations from escalating into a workplace hazard.
- **Stillbirth and Miscarriage Support Kits – annual update**  
The IWS provides support kits to hospitals and Health Department staff (and others) for parents who have lost a child due to early infant death and women who have experienced a miscarriage. Within the kits, there are a number of resources, including literature and a list of community resources. This provides a valuable tool for mothers and fathers to deal with their personal loss, and also contains information about physical and emotional health.
- **Women in PEI: A Statistical Review - published May 2016**  
Women in PEI: A Statistical Review provides a statistical snapshot of the female population in PEI and sex-disaggregated data related to education, work and income, health, justice, violence against women and women in leadership.

## **Training and Events**

The Interministerial Women's Secretariat provides Gender and Diversity Analysis Training, and hosts/partners/supports other departments and community groups on events including:

- International Women's Day Event 2017
- Women's Peace Table Event
- Daughters of the Vote event
- Contemporary Issues on Sexual Violence: Understanding the Effects of Pornography on Youth and Responding to and Preventing Sexual Violence
- Birds Bees & Pornography: What you don't know but your kids do: A Presentation for Parents & Caregivers by Cordelia Anderson
- Faces of Leadership on PEI event
- Coady Institute's Global Leadership Training Program Reception

## **Committees and Intergovernmental Initiatives**

The IWS is a member of numerous committees to provide a gender and diversity lens. Further, committee membership is a valuable way to stay informed of diverse perspectives in the community and to bring these perspectives forward in government.

The following is a listing of committees and intergovernmental initiatives the IWS is a member of:

- 2017 IPAC Conference Planning Committee
- Atlantic FASD Committee
- Atlantic Senior Officials Responsible for the Status of Women Forum
- CONNECT Project Advisory Committee
- Coalition for Women in Government (Ex-Officio)
- Director's Forum Advisory Group
- Director's Forum
- Diversity Advisory Committee
- Enhanced Emergency Sexual Assault Services (EESAS)
- Equality Report Card Committee – Chair
- Equity in Governance Advisory Board
- FPT Senior Officials Responsible for the Status of Women Forum + Working Groups
- Interministerial Disability Policy Forum
- Justice Options for Women who are Victims of Violence
- Mayor's Purple Ribbon Task Force
- Premier's Action Committee on Family Violence Prevention
- Premier's Action Committee on Family Violence Prevention - Administration Committee
- Premier's Action Committee on Family Violence Prevention Youth Engagement Working Group – Chair
- SITE (Supporting Island Trades Employers) Committee
- Women's Health Advisory Committee



**Department of Transportation & Infrastructure Renewal  
Statement of Ordinary Expenditures  
2016-2017 FY**

	Actuals	Budget Estimates 16/17
<b>CORPORATE SERVICES DIVISION</b>		
<b>Executive Office</b>		
Administration	10,878	25,800
Equipment	95	-
Materials, Supplies & Services	2,595	500
Salaries	285,020	283,200
Travel & Training	9,597	14,000
	<b>308,185</b>	<b>323,500</b>
<b>Corporate Services Administration</b>		
Administration	19,938	22,800
Debt	(25)	0
Equipment	2,570	500
Materials, Supplies & Services	7,010	13,400
Professional & Contract Services	1,454	900
Salaries	214,373	237,000
Travel & Training	1,412	2,000
Grants	895,683	875,000
	<b>1,142,415</b>	<b>1,151,600</b>
<b>Planning</b>		
Administration	4,293	6,300
Equipment	2,499	-
Professional & Contract Services	1,450	-
Salaries	78,066	173,700
Travel & Training	5,907	9,800
	<b>92,215</b>	<b>189,800</b>
<b>TOTAL CORPORATE SERVICES DIVISION</b>	<b>1,542,815</b>	<b>1,664,900</b>
<b>Infrastructure</b>		
Administration	36,762	57,100
Equipment	2,389	1,000
Materials, Supplies & Services	1,487	6,000
Professional & Contract Services	77,998	53,500
Salaries	336,245	417,300
Travel & Training	8,815	7,600
Grants	21,395,082	22,539,000
	<b>21,858,778</b>	<b>23,081,500</b>
<b>TOTAL INFRASTRUCTURE</b>	<b>21,858,778</b>	<b>23,081,500</b>

**HIGHWAY SAFETY DIVISION****Highway Safety Administration**

Administration	69,385	67,700
Debt	521	-
Equipment	-	900
Materials, Supplies & Services	19,185	8,500
Professional & Contract Services	30,351	59,700
Salaries	155,872	165,000
Travel & Training	39,650	55,000
	<u>314,964</u>	<u>356,800</u>

**Promotion Highway Safety**

Administration	789	2,000
Equipment	-	900
Materials, Supplies & Services	12,646	22,000
Professional & Contract Services	-	1,000
Salaries	590,655	739,000
Travel & Training	-	5,200
	<u>604,090</u>	<u>770,100</u>

**Registration & Licensing**

Administration	-	900
Equipment	-	4,000
Materials, Supplies & Services	343,552	211,400
Salaries	820,233	859,200
Travel & Training	-	700
	<u>1,163,785</u>	<u>1,076,200</u>

**Highway Scales**

Administration	989	-
Equipment	-	12,900
Materials, Supplies & Services	5,551	24,200
Salaries	624,887	619,100
Travel & Training	-	1,000
	<u>631,427</u>	<u>657,200</u>

**TOTAL HIGHWAY SAFETY DIVISION**

<u>2,714,266</u>	<u>2,860,300</u>
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**Land & Environment****Environmental Management**

Administration	8,022	8,600
Equipment	-	2,200
Materials, Supplies & Services	13,119	7,800
Professional & Contract Services	600	19,500
Salaries	491,545	516,900
Travel & Training	60,987	66,600
	<u>574,273</u>	<u>621,600</u>

**Properties**

Administration	102,893	127,200
Equipment	375	2,000
Materials, Supplies & Services	2,058,438	232,400
Professional & Contract Services	6,353	38,000
Salaries	821,292	910,000
Travel & Training	16,212	31,500
	<b>3,005,563</b>	<b>1,341,100</b>

**Surveys**

Administration	8,774	8,500
Equipment	1,292	20,500
Materials, Supplies & Services	14,171	10,100
Professional & Contract Services	1,760	9,000
Salaries	533,822	543,200
Travel & Training	277	12,500
	<b>560,096</b>	<b>603,800</b>

**TOTAL LAND & ENVIRONMENT**

<b>4,139,932</b>	<b>2,566,500</b>
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**HIGHWAY MAINTENANCE DIVISION****Maintenance Administration - Director's Office**

Administration	34,541	16,800
Equipment	377	-
Materials, Supplies & Services	19,496	1,000
Professional & Contract Services	5,000	66,000
Salaries	254,187	284,800
Travel & Training	17,398	11,900
Grants	-	80,600
	<b>330,999</b>	<b>461,100</b>

**Inventory Control**

Administration	5,596	3,000
Debt	-	-
Equipment	250	-
Materials, Supplies & Services	660,983	362,800
Professional Services	-	-
Salaries	503,697	475,000
Travel & Training	9,120	6,000
	<b>1,179,646</b>	<b>846,800</b>

**Prov Maintenance Road Program**

Administration	-	-
Equipment	-	-
Materials, Supplies & Services	919,212	1,755,100
Professional & Contract Services	7,042	-
Travel & Training	3,776	-
	<b>930,030</b>	<b>1,755,100</b>

**Maintenance Administration - Western Region**

Administration	23,624	41,500
Equipment	472	600
Materials, Supplies & Services	2,775	2,600
Professional Services	6,070	-
Salaries	485,081	483,000
Travel & Training	1,713	2,500
	<b>519,735</b>	<b>530,200</b>

**Maintenance Administration - Eastern Region**

Administration	19,941	52,200
Equipment	1,759	400
Materials, Supplies & Services	1,395	700
Salaries	548,467	469,000
Travel & Training	394	3,200
	<b>571,956</b>	<b>525,500</b>

**Maintenance Administration - Central Region**

Administration	34,549	65,200
Materials, Supplies & Services	4,544	600
Salaries	555,055	548,700
Travel & Training	6,654	800
	<b>600,802</b>	<b>615,300</b>

**Summer Maintenance - Western Region**

Administration	56	-
Equipment	11,388	6,500
Materials, Supplies & Services	1,252,405	1,359,300
Professional Services	150	-
Salaries	1,883,338	2,053,400
Travel & Training	49,399	63,400
	<b>3,196,736</b>	<b>3,482,600</b>

**Summer Maintenance - Eastern Region**

Administration	1,497	-
Equipment	232	-
Materials, Supplies & Services	1,088,056	1,084,000
Professional Services	12	-
Salaries	1,693,013	1,862,900
Travel & Training	32,420	40,100
	<b>2,815,230</b>	<b>2,987,000</b>

**Summer Maintenance - Central Region**

Administration	125	-
Materials, Supplies & Services	2,347,894	1,583,900
Professional & Contract Services	50	-
Salaries	2,421,780	2,490,800
Travel & Training	73,052	75,000
	<b>4,842,901</b>	<b>4,149,700</b>

**Rails to Trails Maintenance**

Administration	2,215	3,400
Equipment	9,700	-
Materials, Supplies & Services	424,700	376,900
Professional & Contract Services	175	-
Salaries	788,135	912,200
Travel & Training	22,022	23,000
	<b>1,246,947</b>	<b>1,315,500</b>

**Winter Maintenance - Western Region**

Equipment	961	-
Materials, Supplies & Services	5,038,236	4,450,700
Professional & Contract Services	4,923	-
Salaries	310,254	325,600
Travel & Training	-	-
	<b>5,352,548</b>	<b>4,776,300</b>

**Winter Maintenance - Eastern Region**

Equipment	1,831	-
Materials, Supplies & Services	2,541,890	2,514,600
Salaries	246,545	342,100
Travel & Training	2,129	4,000
	<b>2,792,395</b>	<b>2,860,700</b>

**Winter Maintenance - Central Region**

Materials, Supplies & Services	5,272,937	4,136,000
Salaries	355,815	432,400
Travel & Training	1,086	-
	<b>5,629,838</b>	<b>4,568,400</b>

**Mechanical - Charlottetown Garage - Direct**

Administration	8,716	26,900
Equipment	1,022	3,500
Materials, Supplies & Services	2,058,360	2,028,300
Professional & Contract Services	145	4,100
Salaries	1,947,550	2,422,900
Travel & Training	143,371	132,900
	<b>4,159,164</b>	<b>4,618,600</b>

**Mechanical - Charlottetown Garage - Indirect**

Administration	57,017	69,000
Equipment	5,457	12,400
Materials, Supplies & Services	309,151	314,700
Professional & Contract Services	45,177	38,400
Salaries	496,470	685,200
Travel & Training	2,720	4,100
	<b>915,992</b>	<b>1,123,800</b>

**Mechanical - Summerside Garage - Direct**

Administration	1,842	14,400
Equipment	2,749	5,500
Materials, Supplies & Services	1,674,460	1,299,400
Professional & Contract Services	1,017	8,000
Salaries	1,720,374	1,946,800
Travel & Training	147,754	71,200
	<b>3,548,196</b>	<b>3,345,300</b>

**Mechanical - Summerside Garage - Indirect**

Administration	12,413	24,800
Debt	384	-
Equipment	16,740	18,700
Materials, Supplies & Services	12,605	15,000
Professional & Contract Services	571	-
Salaries	69,164	78,800
Travel & Training	6,723	5,400
	<b>118,600</b>	<b>142,700</b>

**Mechanical - Bridgetown Garage - Indirect**

Administration	12,584	25,600
Equipment	-	2,100
Materials, Supplies & Services	76,856	57,700
Professional & Contract Services	40	12,900
Salaries	188,465	214,400
Travel & Training	1,945	5,300
	<b>279,890</b>	<b>318,000</b>

**Mechanical - Bridgetown Garage - Direct**

Administration	286	-
Debt	204	-
Equipment	16,995	7,000
Materials, Supplies & Services	1,286,907	835,700
Professional & Contract Services	5,177	3,200
Salaries	1,154,881	1,081,800
Travel & Training	80,525	130,900
	<b>2,544,975</b>	<b>2,058,600</b>

**Mechanical - Operators - Western Region**

Administration	-	1,500
Materials, Supplies, & Services	10,130	14,000
Professional & Contract Services	655	-
Salaries	1,468,746	1,606,500
Travel & Training	13,542	18,700
	<b>1,493,073</b>	<b>1,640,700</b>

**Mechanical - Operators - Eastern Region**

Administration	62	200
Materials, Supplies & Services	16,461	28,000
Professional & Contract Services	447	-
Salaries	1,161,766	1,405,600
Travel & Training	24,759	21,800
	<b>1,203,495</b>	<b>1,455,600</b>

**Mechanical - Operators - Central Region**

Administration	72	3,800
Materials, Supplies & Services	17,020	50,300
Professional & Contract Services	475	-
Salaries	2,047,860	2,634,700
Travel & Training	20,027	45,900
	<b>2,085,454</b>	<b>2,734,700</b>

**TOTAL HIGHWAY MAINTENANCE DIVISION**

<b>46,358,602</b>	<b>46,312,200</b>
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**PUBLIC WORKS & PLANNING****Public Works Operations - Administration**

Administration	12,716	29,500
Equipment	2,554	7,000
Materials, Supplies & Services	52,733	133,900
Professional & Contract Services	500	-
Salaries	757,747	871,000
Travel & Training	16,632	33,500
	<b>842,882</b>	<b>1,074,900</b>

**District Heating Plant**

Materials, Supplies & Services	1,597,844	1,823,600
Professional Services	7,600	-
	<b>1,605,444</b>	<b>1,823,600</b>

**Building Maintenance Direct - Mona Wilson Bldg.**

Administration	11,181	10,800
Materials, Supplies & Services	53,573	44,200
Professional & Contract Services	421	-
	<b>65,175</b>	<b>55,000</b>

**Building Maintenance Direct - Shaw, Sullivan & Jones Bldgs.**

Administration	484,126	474,400
Equipment	4,942	2,000
Materials, Supplies & Services	1,106,609	1,157,500
Professional & Contract Services	428,763	416,300
Salaries	1,181,329	1,141,700
Travel & Training	2,134	3,000
	<b>3,207,903</b>	<b>3,194,900</b>



**Building Maintenance Direct - Province House**

Administration	21,691	21,300
Materials, Supplies & Services	1,541	103,100
Salaries	48,882	47,100
Travel & Training	192	-
	<b>72,306</b>	<b>171,500</b>

**Building Maintenance Direct - Province House Annex**

Administration	7,969	8,300
Materials, Supplies & Services	56,543	47,900
Professional & Contract Services	1,200	-
	<b>65,712</b>	<b>56,200</b>

**Building Maintenance Direct - Government House**

Administration	21,415	24,000
Equipment	1,821	-
Materials, Supplies & Services	104,474	109,400
Professional & Contract Services	1,948	-
Salaries	343,157	373,900
Travel & Training	621	1,500
	<b>473,436</b>	<b>508,800</b>

**Building Maintenance Direct - Customs House**

Administration	8,980	9,300
Materials, Supplies & Services	36,437	50,200
Professional & Contract Services	439	-
	<b>45,856</b>	<b>59,500</b>

**Building Maintenance Direct - Coles Bldg.**

Administration	41,043	41,900
Equipment	554	-
Materials, Supplies & Services	67,591	65,600
Professional & Contract Services	246	-
Salaries	59,489	68,800
	<b>168,923</b>	<b>176,300</b>

**Building Maintenance Direct - Prince County Jail & Courthouse**

Administration	19,716	20,000
Materials, Supplies & Services	90,166	82,400
Professional & Contract Services	-	10,000
Salaries	43,005	48,500
	<b>152,887</b>	<b>160,900</b>

**Building Maintenance Direct - Summerside Youth Centre**

Administration	89,717	82,000
Materials, Supplies & Services	218,722	254,400
	<b>308,439</b>	<b>336,400</b>

**Building Maintenance Direct - Provincial Correctional Centre**

Administration	38,726	35,000
Materials, Supplies & Services	444,167	494,900
Professional & Contract Services	- 345	-
	<b>482,548</b>	<b>529,900</b>

**Building Maintenance Direct - Montague Office Complex**

Administration	-	7,300
Equipment	1,659	-
Materials, Supplies & Services	105,751	81,700
Professional & Contract Services	770	-
	<b>108,180</b>	<b>89,000</b>

**Building Maintenance Direct - Southern Kings/Queens RSC**

Administration	5,331	5,200
Equipment	303	-
Materials, Supplies & Services	70,123	79,200
Professional & Contract Services	68	-
	<b>75,825</b>	<b>84,400</b>

**Building Maintenance Direct - West Prince RSC**

Administration	6,761	8,000
Materials, Supplies & Services	71,405	58,900
Professional Services	572	-
	<b>78,738</b>	<b>66,900</b>

**Building Maintenance Direct - Prince Edward Home**

Materials, Supplies & Services	30,356	80,800
	<b>30,356</b>	<b>80,800</b>

**Building Maintenance Direct - Access PEI S'side**

Administration	47,746	50,000
Equipment	300	-
Materials, Supplies & Services	172,302	283,000
Professional & Contract Services	546	-
	<b>220,894</b>	<b>333,000</b>

**Building Maintenance Direct - Highway Testing Lab**

Materials, Supplies & Services	54,742	45,700
Salaries	20,347	33,900
	<b>75,089</b>	<b>79,600</b>

**Building Maintenance Direct - Brighton Road Office Complex**

Administration	570	700
Materials, Supplies & Services	27,763	39,700
Professional & Contract Services	2,762	-
Salaries	9,012	28,100
	<b>40,107</b>	<b>68,500</b>

**Building Maintenance Direct - Holland College Royalty Operations**

Administration	143,266	145,000
Materials, Supplies & Services	324,513	319,700
Professional & Contract Services	780	-
	<b>468,559</b>	<b>464,700</b>

**Building Maintenance Direct - S'side Garage - Siemon Park**

Administration	21,758	26,000
Debt	238	-
Materials, Supplies & Services	173,603	208,000
Professional Services	492	-
	<b>196,091</b>	<b>234,000</b>

**Building Maintenance Direct - TIR Beach Grove Rd Warehouse**

Materials, Supplies & Services	28	3,300
	<b>28</b>	<b>3,300</b>

**Building Maintenance Direct - TIR Surplus Warehouse**

Materials, Supplies & Services	18,321	13,500
Professional & Contract Services	346	-
	<b>18,667</b>	<b>13,500</b>

**Building Maintenance Direct - Kings County Courthouse**

Administration	3,541	3,600
Materials, Supplies & Services	35,591	25,900
	<b>39,132</b>	<b>29,500</b>

**Building Maintenance Direct - Scale Houses**

Administration	4,489	4,500
Materials, Supplies & Services	84,217	87,300
Salaries	5,058	5,400
	<b>93,764</b>	<b>97,200</b>

**Building Maintenance Direct - Environment Warehouse**

Materials, Supplies & Services	14,871	20,000
Professional & Contract Services	405	-
	<b>15,276</b>	<b>20,000</b>

**Building Maintenance Direct - Acadian Museum**

Administration	2,931	2,300
Materials, Supplies & Services	10,190	13,000
	<b>13,121</b>	<b>15,300</b>

**Building Maintenance Direct - Basin Head Museum**

Administration	897	1,000
Materials, Supplies & Services	11,763	17,500
Professional Services	405	-
	<b>13,065</b>	<b>18,500</b>

**Building Maintenance Direct - Orwell Historic Village**

Administration	27	-
Materials, Supplies & Services	15,613	12,000
Salaries	7,665	-
	<b>23,305</b>	<b>12,000</b>

**Building Maintenance Direct - Yeo House**

Materials, Supplies & Services	2,454	11,500
Professional & Contract Services	222	-
	<b>2,676</b>	<b>11,500</b>

**Building Maintenance Direct - MacPhail Homestead**

Administration	20	-
Materials, Supplies & Services	7,584	16,500
Professional & Contract Services	440	-
	<b>8,044</b>	<b>16,500</b>

**Building Maintenance Direct - Belmont St Food Bank**

Administration	-	3,500
Materials, Supplies & Services	18,939	30,000
	<b>18,939</b>	<b>33,500</b>

**Building Maintenance Direct - Montague Food Bank**

Materials, Supplies & Services	12,353	23,000
	<b>12,353</b>	<b>23,000</b>

**Building Maintenance Direct - Tyne Valley Youth Centre**

Administration	2,651	2,700
Materials, Supplies & Services	51,937	52,100
	<b>54,588</b>	<b>54,800</b>

**Building Maintenance Direct - Lea Crane Building**

Administration	6,331	6,400
Materials, Supplies & Services	33,829	36,600
Salaries	19,825	21,900
	<b>59,985</b>	<b>64,900</b>

**Building Maintenance Direct - Potato Services Bldg - Kensington**

Administration	4,072	4,100
Materials, Supplies & Services	40,397	39,500
Professional Services	993	-
	<b>45,462</b>	<b>43,600</b>

**Building Maintenance Direct - Tignish Sign Shop**

Administration	2,401	2,400
Materials, Supplies & Services	30,884	31,500
	<b>33,285</b>	<b>33,900</b>

**Building Maintenance Direct - Tignish Body Shop**

Administration	6,883	4,000
Materials, Supplies & Services	58,910	41,600
Professional & Contract Services	246	-
	<b>66,039</b>	<b>45,600</b>

**Building Maintenance Direct - Alma Field Office**

Materials, Supplies & Services	25,646	-
Professional & Contract Services	222	-
	<b>25,868</b>	<b>-</b>

**Tyne Valley Medical Centre**

Materials, Supplies & Services	33,084	31,000
Professional & Contract Services	225	-
	<b>33,309</b>	<b>31,000</b>

**Building Maintenance Direct - Hunter River Office - Dr. Ellis**

Materials, Supplies & Services	-	500
	<b>-</b>	<b>500</b>

**Building Maintenance Direct - Brudenell Park**

Administration	112,292	112,300
Materials, Supplies & Services	18,411	9,000
	<b>130,703</b>	<b>121,300</b>

**Building Maintenance Direct - St. Eleanor's House**

Materials, Supplies & Services	15,243	5,000
	<b>15,243</b>	<b>5,000</b>

**Building Maintenance Direct - Rollo Bay School**

Materials, Supplies & Services	5,695	26,500
Professional & Contract Services	34	-
	<b>5,729</b>	<b>26,500</b>

**Building Maintenance Direct - Forestry Office - Queens**

Administration	10,851	9,000
Materials, Supplies & Services	24,256	3,500
Professional & Contract Services	500	-
	<b>35,607</b>	<b>12,500</b>

**Building Maintenance Direct - Forestry Office - Prince**

Materials, Supplies & Services	16,475	21,200
Salaries	5,221	5,400
	<b>21,696</b>	<b>26,600</b>

**Building Maintenance Direct - Forestry Office - Kings**

Materials, Supplies & Services	27,707	30,500
	<b>27,707</b>	<b>30,500</b>

**Building Maintenance Direct - VIC Cavendish**

Administration	711	1,000
Materials, Supplies & Services	39,313	37,800
Salaries	15,979	24,400
	<b>56,003</b>	<b>63,200</b>

**Building Maintenance Direct - VIC Mt. Pleasant**

Materials, Supplies & Services	8,540	11,100
Professional Services	246	-
Salaries	6,604	10,400
	<b>15,390</b>	<b>21,500</b>

**Building Maintenance Direct - Vet Clinic - O'Leary**

Materials, Supplies & Services	27,415	1,000
	<b>27,415</b>	<b>1,000</b>

**Building Maintenance Direct - Highway Depot - Bridgetown**

Materials, Supplies & Services	-	6,500
	<b>-</b>	<b>6,500</b>

**Building Maintenance Direct - Access PEI - Alberton**

Administration	2,168	2,200
Materials, Supplies & Services	20,298	25,000
Professional Services	246	-
Salaries	4,787	-
	<b>27,499</b>	<b>27,200</b>

**Building Maintenance Direct - Analytical Lab - Upton Road**

Administration	9,318	7,300
Materials, Supplies & Services	275,570	177,100
Professional & Contract Services	1,402	-
	<b>286,290</b>	<b>184,400</b>

**Building Maintenance Direct - Kensington Post Office**

Administration	-	43,524	-
Materials, Supplies & Services		56,660	20,000
		<b>13,136</b>	<b>20,000</b>

**Building Accommodations - Small Lease**

Administration	1,688,099	1,823,300
Materials, Supplies & Services	53,313	55,800
Professional & Contract Services	1,385	-
	<b>1,742,797</b>	<b>1,879,100</b>

**Building Accommodations - Evangeline RSC**

Administration	58,470	66,100
Materials, Supplies & Services	3,484	5,600
Professional Services	246	-
	<b>62,200</b>	<b>71,700</b>

**Building Accommodations - Johnny Ross Young RSC**

Administration	245,794	251,300
Materials, Supplies & Services	1,723	7,000
	<b>247,517</b>	<b>258,300</b>

**Building Accommodations - Queens Region Health Authority - Ellis Bros Bldg.**

Administration	782,299	752,400
Materials, Supplies & Services	1,655	-
Professional & Contract Services	1,490	-
	<b>785,444</b>	<b>752,400</b>

**Building Accommodations - Health Agency Younker, Roche Bldg.**

Administration	595,832	594,200
Materials, Supplies & Services	74	400
	<b>595,906</b>	<b>594,600</b>

**Building Accommodations - Prov Library Morell**

Administration	199,748	201,100
Materials, Supplies & Services	169	-
	<b>199,917</b>	<b>201,100</b>

**Building Accommodations - St. Paul's Rectory**

Administration	28,760	25,000
Materials, Supplies & Services	17,850	24,200
	<b>46,610</b>	<b>49,200</b>

**Building Accommodations - E. Blanchard (Gordon Drive)**

Administration	104,887	135,000
Materials, Supplies & Services	16,874	21,800
Professional & Contract Services	821	-
	<b>122,582</b>	<b>156,800</b>

**Building Accommodations - Concorde Building**

Administration	151,000	155,100
Materials, Supplies & Services	4,318	-
	<b>155,318</b>	<b>155,100</b>

**Building Accommodations - Davies Law Courts**

Administration	408,866	755,700
Materials, Supplies & Services	194,945	208,600
Professional & Contract Services	242,489	205,000
	<b>846,300</b>	<b>1,169,300</b>

**Building Accommodations - Highway Safety Office**

Administration	195,627	201,300
Materials, Supplies & Services	536	5,000
	<b>196,163</b>	<b>206,300</b>

**Building Accommodations - Fisheries Warehouse**

Administration	44,665	46,200
Materials, Supplies & Services	38,012	25,600
Professional Services	3,200	-
	<b>85,877</b>	<b>71,800</b>



**Building Accommodations - Kelly Bldg - Courthouse**

Administration	153,324	370,000
Materials, Supplies & Services	-	17,600
	<b>153,324</b>	<b>387,600</b>

**Building Accommodations - Breckan Yates Building**

Administration	151,271	151,000
Professional & Contract Services	76	-
	<b>151,347</b>	<b>151,000</b>

**Building Accommodations - SRDC 109 Water Street**

Administration	170,000	180,000
	<b>170,000</b>	<b>180,000</b>

**Building Accommodations - Confederation Centre & Libraries**

Administration	178,000	178,000
	<b>178,000</b>	<b>178,000</b>

**Building Accommodations - Gateway Village VIC**

Administration	70,535	70,000
	<b>70,535</b>	<b>70,000</b>

**Building Accommodations - Confederation Court Lease - EMO**

Administration	33,133	36,000
	<b>33,133</b>	<b>36,000</b>

**Building Accommodations - Donald Bondy Bldg.**

Administration	342,877	346,200
Materials, Supplies & Services	27,180	30,000
Professional Services	246	-
	<b>370,303</b>	<b>376,200</b>

**Building Accommodations - Hunter River Health Centre**

Administration	84,000	88,300
	<b>84,000</b>	<b>88,300</b>

**Building Accommodations - Summerside Medical Centre**

Administration	228,500	228,500
	<b>228,500</b>	<b>228,500</b>

**Building Accommodations - Polyclinic**

Administration	250,250	248,200
	<b>250,250</b>	<b>248,200</b>

**Building Accommodations - Pharmtech-Friendly Pharmacy**

Administration	153,279	155,600
Materials, Supplies, & Services	752	-
	<b>154,031</b>	<b>155,600</b>

**Building Accommodations - Dept. of Fisheries-Montague**

Administration	267,493	278,500
Materials, Supplies & Services	49	2,000
Professional & Contract Services	530	-
	<b>268,072</b>	<b>280,500</b>

**Building Accommodations - Dept. of Education - Summerside**

Administration	828,769	834,900
Materials, Supplies & Services	37,875	47,000
Professional & Contract Services	1,390	-
	<b>868,034</b>	<b>881,900</b>

**Building Accommodations - VIC - Charlottetown Airport**

Administration	26,724	15,700
Materials, Supplies & Services	3,227	7,300
	<b>29,951</b>	<b>23,000</b>

**Building Accommodations - VIC - Wood Islands**

Administration	36,966	37,000
Materials, Supplies & Services	8,108	1,300
Salaries	18,131	15,900
	<b>63,205</b>	<b>54,200</b>

**Building Accommodations - Harbour Quay - Summerside**

Administration	9,107	10,800
Materials, Supplies & Services	2,598	6,400
	<b>11,705</b>	<b>17,200</b>

**Building Accommodations - Morrison Building**

Administration	881	1,500
Materials, Supplies & Services	7,791	8,800
Professional & Contract Services	240	-
	<b>8,912</b>	<b>10,300</b>

**Building Accommodations - Murchison House**

Materials, Supplies & Services	10,173	7,000
	<b>10,173</b>	<b>7,000</b>

**Building Accommodations - Kensington Laundry**

Administration	73,528	60,900
Materials, Supplies & Services	8,088	22,000
	<b>81,616</b>	<b>82,900</b>

**Building Accommodations - Fire Arms Office - Charlottetown**

Administration	17,565	17,600
Materials, Supplies & Services	6,042	7,200
Professional & Contract Services	97	-
	<b>23,704</b>	<b>24,800</b>

**Building Accommodations - 75 Fitzroy Street**

Administration	41,475	41,500
	<b>41,475</b>	<b>41,500</b>

**Building Accommodations - Records Centre Siemon Park**

Administration	38,143	-
	<b>38,143</b>	<b>-</b>

**Director's Office**

Administration	9,286	12,000
Equipment	632	-
Materials, Supplies & Services	253,690	5,100
Professional & Contract Services	114,219	224,000
Salaries	184,793	260,600
Travel & Training	3,294	12,900
	<b>565,914</b>	<b>514,600</b>

**Building Construction**

Administration	2,194	200
Equipment	31	-
Materials, Supplies & Services	90	1,400
Salaries	219,113	346,600
Travel & Training	666	23,200
Grants	- 107,204 -	100,000
	<b>114,890</b>	<b>271,400</b>

**Building Design**

Administration	5,261	-
Materials, Supplies & Services	3,454	-
Salaries	353,772	364,600
Travel & Training	27,950	9,900
Grants	- 42,793 -	50,000
	<b>347,644</b>	<b>324,500</b>

**TOTAL PUBLIC WORKS & PLANNING**

<b>19,428,166</b>	<b>20,962,000</b>
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**CAPITAL PROJECTS DIVISION****TRAFFIC OPERATIONS****Traffic Operations Management**

Administration	2,896	6,100
Equipment	9,748	1,000
Materials, Supplies & Services	7,184	13,600
Professional & Contract Services	-	3,000
Salaries	280,852	306,900
Travel & Training	23,054	17,300
	<b>323,734</b>	<b>347,900</b>

**Traffic Operations - Western Region**

Administration	5,868	4,400
Debt	319	-
Equipment	-	1,300
Materials, Supplies & Services	222,993	219,700
Professional & Contract Services	-	2,200
Salaries	480,405	487,800
Travel & Training	14,054	8,700
	<b>723,639</b>	<b>724,100</b>

**Traffic Operations - Central Region**

Administration	12,866	14,400
Equipment	1,448	5,000
Materials, Supplies & Services	752,885	749,100
Professional & Contract Services	-	400
Salaries	927,261	1,044,800
Travel & Training	23,339	23,000
	<b>1,717,799</b>	<b>1,836,700</b>

**Sign Shop**

Administration	6,577	5,700
Materials, Supplies & Services	122,958	114,300
Professional & Contract Services	-	5,100
Salaries	229,124	204,900
Travel & Training	1,151	1,000
	<b>359,810</b>	<b>331,000</b>

**Chief Engineer's Office**

Administration	32,307	24,900
Equipment	7,977	800
Materials, Supplies & Services	1,888	500
Professional & Contract Services	22,158	48,400
Salaries	253,252	249,200
Travel & Training	25,185	9,800
	<b>342,767</b>	<b>333,600</b>

**Eastern Region**

Administration	12,802	21,300
Equipment	1,729	10,400
Materials, Supplies & Services	33,071	18,900
Professional & Contract Services	1,875	2,000
Salaries	722,040	897,900
Travel & Training	6,011	22,100
	<b>777,528</b>	<b>972,600</b>

**Western Region**

Administration	17,880	34,200
Equipment	2,905	16,700
Materials, Supplies & Services	55,243	26,300
Professional & Contract Services	110	3,500
Salaries	801,996	914,000
Travel & Training	14,831	35,900
	<b>892,965</b>	<b>1,030,600</b>

**Engineering Services Operations**

Administration	2,440	1,000
Equipment	-	900
Materials, Supplies & Services	12	600
Salaries	236,155	224,600
Travel & Training	3,549	6,400
	<b>242,156</b>	<b>233,500</b>

**Highway Enhancement**

Materials, Supplies & Services	35	-
Salaries	494,295	114,500
	<b>494,330</b>	<b>114,500</b>

**Bridge Maintenance Operations**

Administration	5,122	5,200
Materials, Supplies & Services	1,652,003	1,900,600
Professional & Contract Services	546,784	-
Salaries	575,713	507,000
Travel & Training	28,408	9,600
	<b>2,808,030</b>	<b>2,422,400</b>

**Highway Design**

Administration	8,999	9,000
Equipment	61	500
Materials, Supplies & Services	4,965	5,500
Professional & Contract Services	35,341	4,800
Salaries	440,712	587,800
Travel & Training	17,026	10,300
	<b>507,104</b>	<b>617,900</b>

**Materials Testing Lab**

Administration	15,328	13,900
Equipment	11,190	30,700
Materials, Supplies & Services	17,674	9,700
Professional & Contract Services	3,195	5,000
Salaries	1,001,488	1,285,400
Travel & Training	23,334	23,400
Grants	- 508,890 -	500,000
	<b>563,319</b>	<b>868,100</b>
<b>TOTAL CAPITAL PROJECTS DIVISION</b>	<b>9,753,181</b>	<b>9,832,900</b>

**ACCESS PEI****Access Division Management**

Administration	4,211	7,500
Equipment	334	-
Materials, Supplies & Services	2,100	4,000
Salaries	163,842	163,300
Travel & Training	17,374	13,000
	<b>187,861</b>	<b>187,800</b>

**Summerside Access PEI**

Administration	14,485	17,000
Debt	6,918	5,500
Equipment	1,597	1,200
Materials, Supplies & Services	1,075	8,000
Professional & Contract Services	-	-
Salaries	522,846	499,900
Travel & Training	1,665	7,500
	<b>548,586</b>	<b>539,100</b>

**Souris Access PEI**

Administration	8,494	14,500
Materials, Supplies & Services	2,651	3,500
Professional & Contract Services	26	-
Salaries	284,599	288,600
Travel & Training	3,646	5,200
	<b>299,416</b>	<b>311,800</b>

**West Prince Access Centres**

Administration	10,762	18,400
Debt	658	300
Equipment	1,484	1,300
Materials, Supplies & Services	981	6,000
Salaries	414,053	402,900
Travel & Training	8,215	10,900
	<b>436,153</b>	<b>439,800</b>

**Montague Access PEI**

Administration	9,547	13,800
Debt	800	-
Equipment	673	700
Materials, Supplies & Services	643	4,600
Salaries	303,571	278,300
Travel & Training	2,259	4,300
	<u>317,493</u>	<u>301,700</u>

**Wellington Access PEI**

Administration	4,549	7,500
Debt	161	200
Materials, Supplies & Services	342	4,000
Salaries	121,445	111,700
Travel & Training	311	800
	<u>126,808</u>	<u>124,200</u>

**Riverside Dr. Access PEI**

Administration	13,889	17,600
Equipment	5,703	1,800
Materials, Supplies & Services	10,437	5,500
Professional & Contract Services	-	100
Salaries	825,856	803,700
Travel & Training	655	6,200
	<u>856,540</u>	<u>834,900</u>

**TOTAL ACCESS PEI**

<u>2,772,857</u>	<u>2,739,300</u>
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**ENERGY AND MINERALS****Energy and Minerals**

Administration	-	4,000
Equipment	-	4,600
Materials, Supplies & Services	3,013	3,000
Professional & Contract Services	58,449	64,600
Salaries	54,545	54,200
Travel & Training	2,327	15,200
	<u>118,334</u>	<u>145,600</u>

**Office of Energy Efficiency**

Administration	5,913	10,000
Equipment	6,782	3,500
Materials, Supplies & Services	30,288	46,400
Professional & Contract Services	5,000	20,000
Salaries	390,372	348,300
Travel & Training	7,471	15,000
Grants	427,646	1,080,200
	<u>873,472</u>	<u>1,523,400</u>

**TOTAL ENERGY**

<u>991,806</u>	<u>1,669,000</u>
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**TOTAL DEPARTMENT OF TRANSPORTATION, INFRASTRUCTURE & ENERGY**

<u>109,560,403</u>	<u>111,688,600</u>
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**CAPITAL EXPENDITURES C/A**  
**Year Ending March 31, 2016**

**BRIDGES C/A**

**Eastern Region**

Fortune Bridge K1-001	18,852	
Monticello K2-002	76,619	
Selkirk K2-001	113,804	
Cardigan K3-023	77,457	
<b>Total Eastern Region</b>		<b>286,732</b>

**Central Region**

Kellys Cross Structure Replacement Q1-009	714,288	
Carragher's Pond Replacement c/over	21,754	
Melville Q1-128	122,068	
New Structure Warren Grove	119,162	
Hunter River Q1-041	153,133	
Glenwood P2-070	202,376	
York Bridge Q3-104	757,294	
Bonshaw Hills Park continuation from 15/16	15,160	
<b>Total Central Region</b>		<b>2,105,235</b>

**Western Region**

Gully Bridge Structure Replacement AP-047	405,778	
Harper Road Structure Replacement AP-087	117,370	
Harper Bridge Replacement (Confederation Trail)	393,632	
Northern Bridge Replacement P2-005 c/over	110,012	
Carleton P2-060	241,757	
Grand River P3-035	136,004	
St. Lawrence Structure Rehabilitation P1-048	198,326	
Nail Pond P1-044	86,459	
Centerline Road P1-062	378,951	
<b>Total Western Region</b>		<b>2,068,288</b>

**TOTAL BRIDGES C/A** **4,460,255**

**HIGHWAY RECONSTRUCTION**

**Other**

LED Lighting Conversion - continuation from 15/16	163,801	
Land Purchases for Capital Projects for Western Region	54,958	
Land Purchases for Capital Projects for Eastern Region	283,692	
<b>Total Other</b>		<b>502,451</b>

**TOTAL HIGHWAY RECONSTRUCTION** **502,451**

**PROVINCIAL PAVING**

**Eastern Region (k)**

Asphalt Supply & Place - Island Construction	184,011	
Asphalt Supply & Place - Chapman Brothers	767,626	
Gravel Various Roads	143,452	
Class B Gravel Kings/Queens - Chapman Brothers	6,475	
<b>Total Eastern Region</b>		<b>1,101,564</b>



Central Region (q)

Town of Stratford AR	(38,146)	
Asphalt Supply & Place - Island Construction	1,367,224	
Asphalt Supply & Place - Chapman Brothers	530,661	
Asphalt Supply & Place - M & M Resources	201,620	
Gravel Various Roads	94,473	
Total Central Region		2,155,832

Western Region (p)

Asphalt Supply & Place - Curran & Briggs Ltd	1,050,785	
Fund Shouldering Operations	212,514	
Gravel Various Roads	142,235	
Asphalt Supply & Place - Chapman Bros.	753,535	
Total Western Region		2,159,069

TOTAL PROVINCIAL PAVING 5,416,465

COST SHARED PROJECTS

Gas Tax Projects

Souris Causeway Seawall c/o	75,079.02	
Route 2 Granville Street Roundabout	92,053.36	
Manor Road - Tyne Valley	184,788.23	
Rte 152 - St. Louis Storm Sewer	108,683.84	
Route 6 Grand Tracadie	88,116.42	
Alberton Storm Sewer 2016	662,559.59	
Route 133 - Mt. Pleasant/ Elleuslie Bideford	461,894.02	
Route 225 - Kinkora	324,977.05	
Route 4 Montague	170,576.47	
MacPhee Avenue, Souris	209,302.76	
Route 4 Bridgetown	1,357,911.47	
Bagnall's Pond Bridge Replacement c/o Q2-029	180,584.92	
Stanley Bridge Rte 6, 224 & 254 c/o	28,799.12	
Georgetown Rd - Stratford	301,975.00	
Total Gas Tax Projects		4,247,301.27

New Build Canada Fund

Phase 2B - TCH Realignment Cornwall to Clyde River	1,470,398.72	
Phase 2A - TCH Realignment Cornwall to Clyde River	409,635.35	
Cornwall Perimeter Highway - Phase 1 2016	5,633,679.34	
Route 4 - Cardigan/Roseneath	2,109,567.29	
Route 15 - Harrington/Brackley	474,255.18	
Route 13 - Hunter River/Rennies Road	221,412.64	
Route 11 - Miscouche	194,758.97	
Route 12 - Tyne Valley	192,137.79	
Route 12 - West Devon	204,704.12	
Route 150 Union/Elmsdale 2016	461,144.96	
P1-015 Cascumpec Bridge Replacement Project	2,533,845.16	
Route 1A - Central Bedeque 2016	1,386,045.03	
Route 2 - New Annan Right Turning Lane 206	187,513.78	
Route 10 - North Carleton/Searletown 2016	379,732.17	
Route 6 - Stanley Bridge/New London 2016	1,023,249.35	
Route 2 - Charlottetown/Milton Station 2016	199,018.69	
Route 1 - Charlottetown 2016	378,818.02	
Route 1 - TCH Mount Mellick 2016	3,224,506.59	
Manor Road - Tyne Valley	663,047.81	
Tryon West Rte 1 2015 c/o	63,213.29	
Brackley Rte 15 LTL c/o	21,451.74	
Total New Build Canada Fund		21,432,135.99

<b>TOTAL COST SHARED PROJECTS</b>		<b>25,679,437</b>	
<b>OTHER</b>			
Highway Equipment	1,865,473		
<b>TOTAL OTHER</b>		<b>1,865,473</b>	
<b>TOTAL HIGHWAYS CAPITAL</b>			<b>37,924,081</b>
<b>BUILDINGS CAPITAL</b>			
<b>BUILDING RENOVATIONS</b>			
Jones Building - Washroom Renovations	58,530		
ShawBldg- Elev.Upgrade,NewAir Handler,Roof Replace	491,203		
Montague Food Bank - Siding	12,218		
Summerside Youth Centre Facility - New Roof Bldg B&C	96,760		
Montague Office Complex - Humidifier Upgrade	11,237		
Access Summerside - Resurfacing Parking Lot	20,000		
Kings County Court House - Boiler Replacement	21,092		
Prince County Forestry - Exterior Upgrade	15,898		
Access PEI Alberton - Sidewalk Replacement	20,980		
Gov. House - Exterior Painting, Sprinkler & Fire Panel	174,846		
Prince County Courthouse - Interior Floors & Painting	69,206		
Provincial Correctional Center - Water Connection c/o	4,000		
<b>TOTAL BUILDING RENOVATIONS</b>		<b>995,969</b>	
<b>NEW BUILDING CONSTRUCTION</b>			
Queens County Highway Depot	1,254,976		
<b>TOTAL NEW BUILDING CONSTRUCTION</b>		<b>1,254,976</b>	
<b>LAND PURCHASES</b>			
Land Purchases	507,463		
<b>TOTAL LAND PURCHASES</b>		<b>507,463</b>	
<b>TOTAL BUILDINGS - CAPITAL/TC</b>			<b>2,758,408</b>
<b>TOTAL DEPARTMENT OF TRANSPORTATION, INFRASTRUCTURE AND ENERGY</b>			<b>40,682,488</b>

