



TRANSPORTATION & INFRASTRUCTURE RENEWAL

***Annual Report
2009-2010***





Department of Transportation and Infrastructure Renewal

Annual Report

for the year ending March 31, 2010

**Jones Building, 11 Kent Street,
P.O. Box 2000, Charlottetown,
Prince Edward Island, Canada, C1A 7N8
Telephone: 902-368-5100 Fax: 902-368-5395**



**The Honourable Barbara Hagerman
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 and Infrastructure Renewal for the period April 1, 2009 to March 31, 2010.

Respectfully submitted,

**Ron MacKinley
Minister**



**The Honourable Ron MacKinley
Minister
Department of Transportation and Infrastructure Renewal
Province of Prince Edward Island**

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation and Infrastructure Renewal for the period April 1, 2009 to March 31, 2010.

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

Respectfully Submitted,

**Steve MacLean, P.Eng.
Deputy Minister**

Mandate

The mandate of the Prince Edward Island

Department of Transportation and Infrastructure

Renewal is to contribute to economic development

and the quality of life in this province by

maintaining and enhancing, in an affordable

way, the essential transportation systems and

services for the efficient and safe movement of

people, goods, and services.

It is also necessary to provide the infrastructure

necessary for the efficient conduct of government

through services to other government

departments in the areas of building

construction, crown land management, building

maintenance, and accommodations.

Table of Contents

Departmental Mission Statement	1
Departmental Legislation	2
Departmental Organization	3
Personnel	4
French Language Services Implementation Plan	5

FINANCE, HUMAN RESOURCES

Finance	6
Human Resources	6
Occupational Health & Safety	6

HIGHWAY SAFETY & IT

Driver Records Section	8
Information Technology	9
Safety Section	17

PUBLIC WORKS & PLANNING

Planning	26
Building Design and Construction	27
Building Maintenance & Accommodations	34

LAND & ENVIRONMENT

Environment Management	38
Office of the Provincial Chief Surveyor	43
Properties Section	44

CAPITAL PROJECTS

Chief Engineer's Report	50
Schedule of Tenders	51
Design	60
Bridges	61
Materials & Soils	62
Traffic Operations	65
Provincial Sign Shop	67
Mapping & Geographic Information Systems	68

HIGHWAY MAINTENANCE

Highway Maintenance	69
Confederation Trail Maintenance	103
Mechanical Branch	104

STATEMENT OF EXPENDITURES	107
--	------------

DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE RENEWAL

MISSION STATEMENT

The role of the Department of Transportation and Infrastructure Renewal is four-fold:

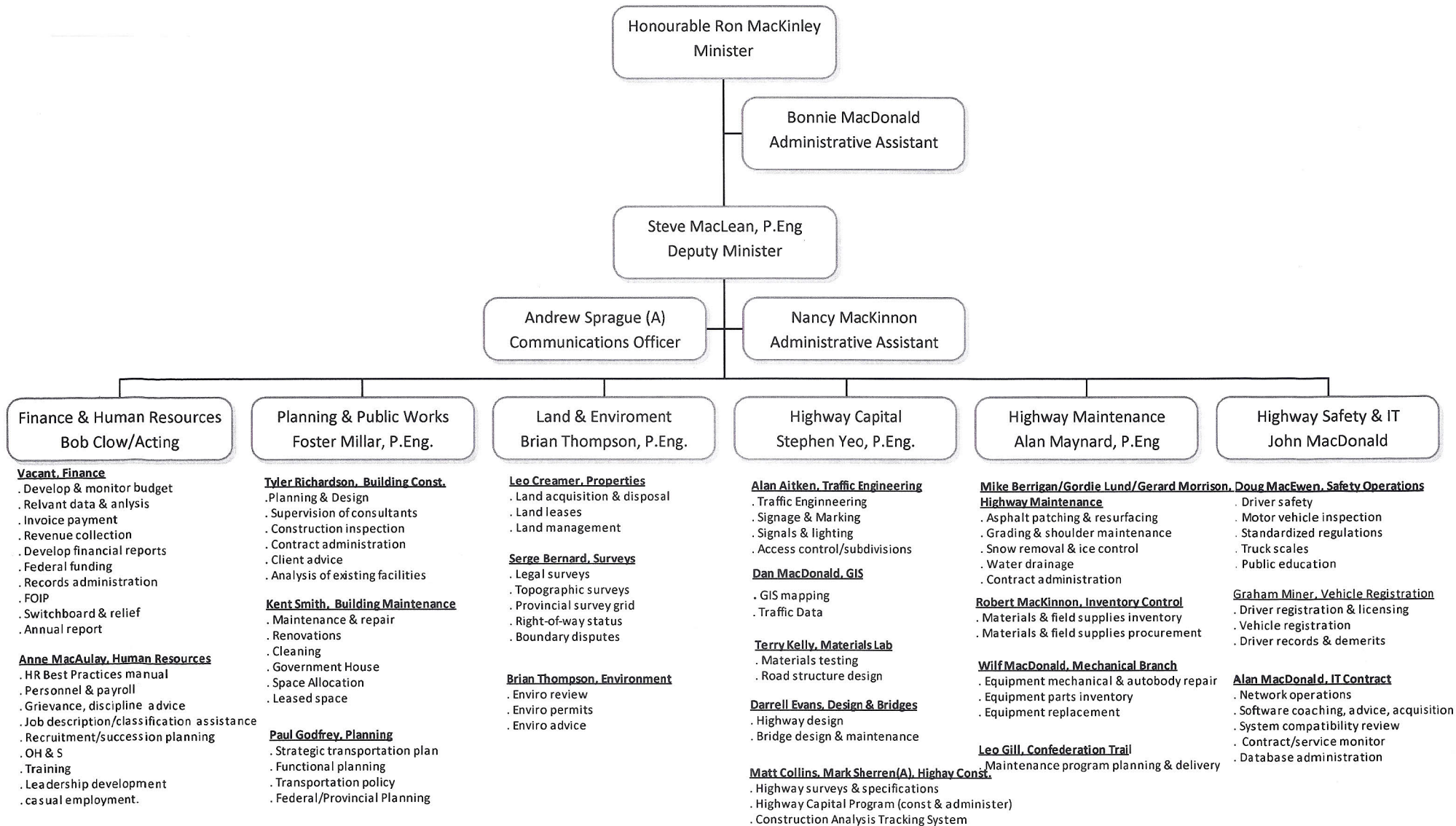
- ◆ To provide high quality and timely policy advice to the Government of Prince Edward Island on all matters related to transportation and public works;**
- ◆ To provide transportation infrastructure and foster development of a safe, efficient, affordable and environmentally sustainable transportation system for the movement of people and goods;**
- ◆ To provide quality services to the rest of Government in the areas of building construction, Crown land management, building maintenance and accommodations; and**
- ◆ To support development of the Prince Edward Island economy.**

Clients include transportation users, enforcement agencies, the construction industry, and other Government Departments.

LEGISLATIVE RESPONSIBILITIES

- Architects Act
- Crown Building Corporation Act
- Dangerous Goods (Transportation) Act
- Engineering Profession Act
- Expropriation Act
- Georgetown Common Land Act
- Highway Traffic Act
- Land Survey Act
- Land Surveyor's Act
- Off-Highway Vehicle Act
- Public Works Act
- Roads Act

Department of Transportation and Public Works Province of Prince Edward Island - FY 09/10



DEPARTMENT OF Transportation and Infrastructure Renewal

Personnel

Minister
Administrative Assistant
Deputy Minister
Administrative Assistant

Hon. Ron MacKinley
Bonnie MacDonald
Steve MacLean
Nancy MacKinnon

FINANCE & HUMAN RESOURCES

Finance
Human Resources
Occupational Health & Safety

Bob Clow, Acting Finance Director
Anne MacAulay
Gerry Stewart

HIGHWAY SAFETY & IT

Highway Safety Operations
Highway Safety Registration

John MacDonald, Director
Doug MacEwen
Graham Miner

PUBLIC WORKS & PLANNING

Planning
Building Design and Construction
Maintenance and Accommodations

Foster Millar, Director
Paul Godfrey
Tyler Richardson
Kent Smith

LAND & ENVIRONMENT

Provincial Chief Surveyor
Properties

Brian Thompson, Director
David Morris
Leo Creamer

CAPITAL PROJECTS DIVISION

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

Steve Yeo
Rick Smith
Alan Aitken
Matt Collins
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

Alan Maynard, Director
Mike Berrigan
Gordie Lund
Gerard Morrison
Wilf MacDonald
Gerald Arsenaault
Donnie Martin
Charles MacLaren
Leo Gill

FRENCH LANGUAGE SERVICES IMPLEMENTATION PLAN

The Department continues to respond to the requirements of the French Language Services Act through its 2000 implementation plan.

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.

*Wendy Morrison
French Language Services Coordinator*

FINANCE AND HUMAN RESOURCES DIVISION

The Finance and Human Resources Division is responsible for providing financial and human resources leadership to the Department on all matters relating to Administration, Finance, and Human Resources.

FINANCE SECTION

The Finance Section is responsible for the financial services of the Department. The work of the Section includes the following:

- Provide Leadership in Financial Management
- Administer Budget Development and Controls
- Monitor the day-to-day Operations of the Accounting Office
- Inventory Management
- Administration Services.

The Finance Section operates out of the central office with a Manager and 7 administrative support staff. This Section also indirectly operates satellite offices in all three Regions.

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31, 2008 follows at the end of the Annual Report.

HUMAN RESOURCES SECTION

The Human Resources Section is responsible for the planning and administration of the Department's Human Resources, including the following:

- Personnel and Payroll Services
- Departmental Training Administration
- Organizational Development
- Permanent and Seasonal Staffing
- Position Classification
- Collective Bargaining and Contract Interpretation
- Management Consultation

In 2009-2010 we implemented our new Apprentice Program and we were able to attract 7 well qualified trades people to work in all three counties. We continued with our advice and support to management in the Labour Relations and Contract Interpretation areas by presenting custom training sessions for Zone Supervisors, Foreman and Crew Chiefs in all three counties. The HR division has begun a process of establishing Core Competencies for Managers and Supervisors as well as customized training for this group.

OCCUPATIONAL HEALTH & SAFETY

The Department continues to work to improve its Health and Safety management system. The fundamental principle is that the “workers” (those with no supervisory responsibilities) and their immediate supervisor, foreman or assistant foreman have the most impact in ensuring that the workplace is as safe as possible. Also this past year was one of increased efforts to measure noise levels in the workplace and reduce these where possible as well as provide improved hearing protection to the workforce. In addition many employees participated in audiometric testing to determine their level of hearing acuity.

Plans for this coming year include the following:

- additional noise level monitoring in the workplace, including equipment operators and drivers
- upgrading of Traffic Control Certification
- increased awareness and attention to hazard assessments and safe approach to the work task

The Department has improved significantly in the past five years and is committed to the continuous improvement process to ensure that Transportation and Infrastructure Renewal is a safe and healthy workplace.

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 and Infrastructure Renewal 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)
- Registration and Licensing (Legislation and Policy Development)
- Safety
- Commercial Vehicle Enforcement

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 12,200 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 2008-2009 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	2008-2009	2009-2010
Section 253(a) Criminal Code - (Impaired Driving)	48	53
Section 253(b) Criminal Code - (Failing the Breathalyzer)	279	309
Section 254(5) Criminal Code - (Refusal of the Breathalyzer)	36	49
Total Alcohol Related Convictions	363	411
Administrative Driving Prohibitions	401	405
7 Day Suspensions (S.277.1) HTA		33
30 Day Suspensions (S.277.1) (3.2) HTA		1
90 Day Suspensions (S.277.1) (3.5) HTA		0
Vehicle Impoundments	27	34
Demerit Point System (Point Accumulation)	409	432
Theft of a Motor Vehicle	21	13
Default in Payment of Fine(s) - (Motor vehicle related offences)	1758	2661
Failure to Satisfy a Judgment - (Accident with an uninsured vehicle)	5	2
Reinstatement of driving privileges from suspension/cancellation	1437	1701
Revenue from Reinstatement Fees	\$71,800.00	\$76,650.00

Number of Warning Letters Issued - (Point Accumulation)	1568	1740
Number of Driving Record Interviews Issued - (Point Accumulation)	353	374
Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)	2008-2009	2009-2010
Medical Referrals Issued	401	417
Medical Referrals Issued for Commercial Drivers	2273	3550
Vision Referrals Issued	72	62
Driving Re-Examination Conducted	272	347
Driving Record Interviews	74	138
Restricted Driver Licenses Issued	31	15
Requests for Abstracts of Driving Records from Insurance Companies and Individuals	43,017	46,424
Abstract Fee (\$20.00)	\$860,340.00	\$928,480.00

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 (IRP)

The International Registration Plan (IRP) is a Registration Reciprocity Agreement among States of the United States and Provinces of Canada 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 with 20 seats or more that wish to travel in two or more jurisdictions must register under IRP. It is not mandatory that vehicles be registered under this 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, 2009 - March 31, 2010 there were 193 Prince Edward Island based carriers registering a total of 658 vehicles under 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 54 of the 59 member jurisdictions are members of the Clearinghouse. By the end of 2010 this number is expected to increase to 56 jurisdictions.

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 specified in Article V of the Agreement.

Atlantic Provinces Reciprocity Agreement

The Atlantic Provinces Reciprocity Agreement allows for the movement of all vehicles described in the Canadian Agreement on Vehicle Registration (CAVR) to perform both interjurisdictional and intrajurisdictional operations in the four provinces. This Agreement also allows for full reciprocity for miscellaneous equipment, road equipment that is used for construction and maintenance and in-transit permits.

IRP services are provided at the Charlottetown office of the Highway Safety Division. The distribution of revenue, for the fiscal year April 1, 2009 - March 31, 2010 are listed in the tables that follow:

DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS FOR CANADIAN JURISDICTIONS APRIL 1, 2009 - MARCH 31, 2010

PROVINCE	REGISTRATION FEES	AUDITS	SALES TAX FEES	ADMIN. FEES	TOTAL FEES
PE	\$ 383,318.00	+\$2,959.33	\$ 425,934.44	\$ 40,280.00	\$ 852,491.77
NB	\$ 377,826.84	\$ - 15.31	\$ 0.00	\$ 0.00	\$ 377,811.53
NS	\$ 193,515.97	\$ + 128.13	\$ 0.00	\$ 0.00	\$ 193,644.10
NL	\$ 9,681.42	\$ 0.00	\$ 0.00	\$ 0.00	\$ 9,681.42
QC	\$ 109,681.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 109,681.00
ON	\$ 61,371.00	\$ 0.00	\$ 80,212.74	\$ 0.00	\$ 141,583.74
MB	\$ 2,565.00	\$ 0.00	\$ 2,285.72	\$ 0.00	\$ 4,850.72
SK	\$ 2,949.00	\$ 0.00	\$ 1,865.33	\$ 0.00	\$ 4,814.33
AB	\$ 1,770.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 1,770.00
BC	\$ 1,340.69	\$ 0.00	\$ 1,351.37	\$ 0.00	\$ 2,692.06
TOTALS	\$ 1,144,018.92	+\$3,072.15	\$ 511,649.60	\$ 40,280.00	\$ 1,699,020.67

All Fees in Canadian Dollars

**DISTRIBUTION OF REVENUE COLLECTED FROM P.E.I. BASED CARRIERS
FOR U.S. JURISDICTIONS
APRIL 1, 2009 - MARCH 31, 2010**

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Alabama	\$ 81.58	\$ 0.00	\$ 0.00	\$ 81.58
Arkansas	\$ 133.30	\$ 0.00	\$ 0.00	\$ 133.30
Arizona	\$ 410.68	\$ 0.00	\$ 0.00	\$ 410.68
California	\$ 920.00	\$ 0.00	\$ 0.00	\$ 920.00
Colorado	\$ 151.65	\$ 0.00	\$ 66.29	\$ 217.94
Connecticut	\$ 7,202.65	\$ 0.00	\$ 0.00	\$ 7,202.65
Delaware	\$ 689.72	\$ 0.00	\$ 0.00	\$ 689.72
Dist. Of Columbia	\$ 7.57	\$ 0.00	\$ 0.00	\$ 7.57
Florida	\$ 1,364.41	\$ 0.00	\$ 0.00	\$ 1,364.41
Georgia	\$ 620.08	\$ 0.00	\$ 0.00	\$ 620.08
Idaho	\$ 190.61	\$ 0.00	\$ 0.00	\$ 190.61
Illinois	\$ 1,415.11	\$ 0.00	\$ 0.00	\$ 1,415.11
Indiana	\$ 368.31	\$ 0.00	\$ 184.88	\$ 553.19
Iowa	\$ 886.21	\$ 0.00	\$ 0.00	\$ 886.21
Kansas	\$ 81.19	\$ 0.00	\$ 0.00	\$ 81.19
Kentucky	\$ 248.81	\$ 0.00	\$ 55.27	\$ 304.08
Louisiana	\$ 29.79	\$ 0.00	\$ 0.00	\$ 29.79
Maine	\$ 18,065.10	\$ 0.00	\$ 25,019.61	\$ 43,084.71
Maryland	\$ 1,550.57	\$ 0.00	\$ 0.00	\$ 1,550.57
Massachusetts	\$ 7,211.25	\$ 0.00	\$ 0.00	\$ 7,211.25
Michigan	\$ 1,281.35	\$ 0.00	\$ 0.00	\$ 1,281.35
Minnesota	\$ 171.53	\$ 0.00	\$ 0.00	\$ 171.53
Mississippi	\$ 87.65	\$ 0.00	\$ 54.28	\$ 141.93
Missouri	\$ 217.80	\$ 0.00	\$ 0.00	\$ 217.80

Montana	\$ 132.95	\$ 0.00	\$ 47.48	\$ 180.43
Nebraska	\$ 334.92	\$ 0.00	\$ 0.00	\$ 334.92
Nevada	\$ 159.69	\$ 0.00	\$ 91.86	\$ 251.55
New Hampshire	\$ 1,038.63	\$ 0.00	\$ 73.17	\$ 1,111.80
New Jersey	\$ 4,609.11	\$ 0.00	\$ 0.00	\$ 4,609.11
New Mexico	\$ 19.21	\$ 0.00	\$ 0.00	\$ 19.21
New York	\$ 6,488.25	\$ 0.00	\$ 1,249.97	\$ 7,738.22
North Carolina	\$ 1,613.71	\$ 0.00	\$ 0.00	\$ 1,613.71
North Dakota	\$ 81.60	\$ 0.00	\$ 0.00	\$ 81.60
Ohio	\$ 638.21	\$ 0.00	\$ 0.00	\$ 638.21
Oklahoma	\$ 97.38	\$ 0.00	\$ 0.00	\$ 97.38
Oregon	\$ 25.67	\$ 0.00	\$ 0.00	\$ 25.67
Pennsylvania	\$ 5,676.75	\$ 0.00	\$ 678.20	\$ 6,354.95
Rhode Island	\$ 268.29	\$ 0.00	\$ 0.00	\$ 268.29
South Carolina	\$ 777.53	\$ 0.00	\$ 0.00	\$ 777.53
South Dakota	\$ 88.90	\$ 0.00	\$ 0.00	\$ 88.90
Tennessee	\$ 390.63	\$ 0.00	\$ 0.00	\$ 390.63
Texas	\$ 183.28	\$ 0.00	\$ 0.00	\$ 183.28
Utah	\$ 86.57	\$ 0.00	\$ 78.11	\$ 164.68
Vermont	\$ 914.97	\$ 0.00	\$ 0.00	\$ 914.97
Virginia	\$ 2,537.97	\$ 0.00	\$ 0.00	\$ 2,537.97
Washington	\$ 414.77	\$ 0.00	\$ 2.52	\$ 417.29
West Virginia	\$ 390.16	\$ 0.00	\$ 291.04	\$ 681.20
Wisconsin	\$ 305.00	\$ 0.00	\$ 0.00	\$ 305.00
Wyoming	\$ 433.95	\$ 0.00	\$ 0.00	\$ 433.95
TOTALS	\$ 71,095.02	\$ 0.00	\$ 27,892.68	\$ 98,987.70

All Fees In U.S. Dollars

**DISTRIBUTION OF REVENUE COLLECTED FROM CANADIAN JURISDICTIONS
FOR PRINCE EDWARD ISLAND
APRIL 1, 2009 - MARCH 31, 2010**

PROVINCE	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
NB	\$ 159,485.00	+\$608.16	\$ 263,222.02	\$ 423,315.18
NS	\$ 67,538.10	\$ -194.13	\$ 113,809.99	\$ 181,153.96
NL	\$ 6,056.00	\$ + 1.08	\$ 8,505.72	\$ 14,562.80
QC	\$ 56,379.61	\$ - 354.41	\$ 63,391.24	\$ 119,416.44
ON	\$ 8,184.00	\$ - 49.41	\$ 14,903.55	\$ 23,038.14
MB	\$ 73.41	\$ - 0.19	\$ 839.61	\$ 912.83
SK	\$ 97.00	\$ 0.00	\$ 254.71	\$ 351.71
AB	\$ 3,618.00	\$ - 0.02	\$ 7,311.27	\$ 10,929.25
BC	\$ 282.98	\$ - 0.35	\$ 552.00	\$ 834.63
TOTALS	\$ 301,714.10	\$ + 10.73	\$ 472,790.11	\$ 774,514.94

All Fees in Canadian Dollars

**DISTRIBUTION OF REVENUE COLLECTED FROM U.S. JURISDICTIONS
FOR PRINCE EDWARD ISLAND
APRIL 1, 2009 - MARCH 31, 2010**

JURISDICTION	REGISTRATION FEES	AUDITS	SALES TAX FEES	TOTAL FEES
Alabama	\$ 14.50	\$ 0.00	\$ 28.55	\$ 43.05
Arizona	\$ 4,252.73	\$ 0.00	\$ 8,404.03	\$ 12,656.76
Arkansas	\$ 76.34	\$ 0.00	\$ 247.09	\$ 323.43
California	\$ 53.44	\$ 0.00	\$ 104.56	\$ 158.00
Colorado	\$ 1.05	\$ 0.00	\$ 1.93	\$ 2.98
Connecticut	\$ 31.36	\$ 0.00	\$ 61.81	\$ 93.17
Delaware	\$ 2.53	\$ 0.00	\$ 4.93	\$ 7.46

Florida	\$ 117.39	\$ 0.00	\$ 231.83	\$ 349.22
Georgia	\$ 43.06	\$ 0.00	\$ 84.94	\$ 128.00
Idaho	\$ 0.14	\$ 0.00	\$ 0.22	\$ 0.36
Illinois	\$ 668.53	\$ +0.96	\$ 1,307.05	\$ 1,976.54
Indiana	\$ 196.27	\$ 0.00	\$ 387.73	\$ 584.00
Iowa	\$ 19.12	\$ 0.00	\$ 37.59	\$ 56.71
Kentucky	\$ 14.31	\$ 0.00	\$ 21.56	\$ 35.87
Kansas	\$ 7.05	\$ 0.00	\$ 34.13	\$ 41.18
Louisiana	\$ 24.40	\$ 0.00	\$ 50.46	\$ 74.86
Maine	\$ 1,516.49	\$ -0.59	\$ 2,995.87	\$ 4,511.77
Maryland	\$ 8,108.40	\$ 0.00	\$ 10,314.31	\$ 18,422.71
Massachusetts	\$ 162.97	\$ 0.00	\$ 427.98	\$ 590.95
Michigan	\$ 415.05	\$ +0.31	\$ 815.85	\$ 1,231.21
Minnesota	\$ 337.15	\$ -0.77	\$ 666.15	\$ 1,002.53
Mississippi	\$ 27.78	\$ 0.00	\$ 54.73	\$ 82.51
Missouri	\$ 220.98	\$ 0.00	\$ 436.57	\$ 657.55
Montana	\$ 9.94	\$ 0.00	\$ 19.52	\$ 29.46
Nebraska	\$ 463.67	\$ 0.00	\$ 741.40	\$ 1,205.07
Nevada	\$ 155.65	\$ 0.00	\$ 175.44	\$ 331.09
New Hampshire	\$ 24.48	\$ 0.00	\$ 48.25	\$ 72.73
New Jersey	\$ 26.17	\$ 0.00	\$ 51.59	\$ 77.76
New York	\$ 140.12	\$ 0.00	\$ 210.29	\$ 350.41
North Carolina	\$ 1,055.97	\$ +28.52	\$ 2,086.67	\$ 3,171.16
North Dakota	\$ 174.48	\$ 0.00	\$ 344.70	\$ 519.18
Ohio	\$ 282.83	\$ 0.00	\$ 558.75	\$ 841.58
Oklahoma	\$ 54.85	\$ 0.00	\$ 108.46	\$ 163.31
Oregon	\$ 15.37	\$ 0.00	\$ 30.27	\$ 45.64
Pennsylvania	\$ 145.66	\$ 0.00	\$ 287.72	\$ 433.38

Rhode Island	\$ 63.09	\$ 0.00	\$ 124.64	\$ 187.73
South Carolina	\$ 84.70	\$ 0.00	\$ 186.28	\$ 270.98
South Dakota	\$ 4.01	\$ 0.00	\$ 7.89	\$ 11.90
Tennessee	\$ 10,349.36	\$ + 2.84	\$ 20,452.14	\$ 30,804.34
Texas	\$ 8,154.41	\$ +0.06	\$ 16,114.52	\$ 24,268.99
Utah	\$ 3.19	\$ 0.00	\$ 6.25	\$ 9.44
Vermont	\$ 466.58	\$ 0.00	\$ 921.90	\$ 1,388.48
Virginia	\$ 37.22	\$ 0.00	\$ 73.41	\$ 110.63
Washington	\$ 18.99	\$ 0.00	\$ 37.42	\$ 56.41
West Virginia	\$ 18.18	\$ 0.00	\$ 35.90	\$ 54.08
Wisconsin	\$ 308.03	\$ 0.00	\$ 662.80	\$ 970.83
Wyoming	\$ 116.97	\$ 0.00	\$ 231.14	\$ 348.11
TOTALS	\$ 38,484.96	\$ 31.33	\$ 70,237.22	\$ 108,753.51

All Fees in US Dollars

**RECAP OF REVENUE
APRIL 1, 2009 - MARCH 31, 2010**

Distribution of Revenue Collected from Prince Edward Island Base Plated Carriers

Revenue Retained by Prince Edward Island	\$ 852,491.77
Revenue Collected for Canadian Jurisdictions	\$ 846,528.90
Total Canadian Revenue Collected from PEI Base Plated Carriers	\$ 1,699,020.67
Total U.S. Revenue Collected from PEI Base Plated Carriers	\$ 98,987.70

Distribution of Revenue Collected from Member Jurisdictions for Prince Edward Island

Revenue Collected for PEI from Canadian Jurisdictions	\$ 774,514.94
Revenue Collected for PEI from US Jurisdictions	\$ 108,753.51

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	2008-2009	2009-2010
Cars	67,537	69,617
Trucks	22,521	23,417
Motorcycles	2,159	2,624
Buses	499	497
Trailer	11,955	12,363
Off-Road Vehicle	1,092	1,209
Miscellaneous - Other Vehicles	641	680
Total Registrations	106,404	110,407

Total Number of Drivers per Class

Class	2008-2009	2009-2010
CLASS 1 - Tractor Trailers	3,848	4,133
CLASS 2 - Bus for more than 24 passengers including School Bus	1,022	1,008
CLASS 3 - Trucks over 14,000 kgs	6,742	6,307
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	3,138	2,988
CLASS 5 - Car, light truck	83,805	85,648
CLASS 6 - Motorcycle	8,454	8,930
CLASS 7 - Beginner's Instruction Permit	2,695	2,751

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 2008-2009	Knowledge Tests 2009-2010	Road Tests 2008-2009	Road Tests 2009-2010
2472	2837	2562	3099

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 15 ½ years of age; however, they must wait at least 180 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	
2008-2009	1146	2008-2009	797
2009-2010	1069	2009-2010	1106

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 58 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, 202 drivers completed Driver Rehabilitation Program.

Assessment Program

The Alcohol Assessment Referral Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and, if required, undergo curative treatment at an addiction services centre. A probationary driver's license may be returned to the driver if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the treatment program is followed. During the year, a total of 43 drivers participated in the Assessment 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.

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.

During the year 2009-2010, a total of 59 drivers entered into the Ignition Interlock Program.

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 676 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 PEI Safety Council, which is affiliated with St. John Ambulance. 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 66 drivers successfully completed the Defensive Driver Course.

Collision and Reporting System (CARS)

During the year 2009, there were 1,779 collisions resulting in 759 injuries and 12 fatalities. The fatalities included 8 drivers, 2 passengers, and 2 motorcyclists.

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. Each of the 12 high schools across the province has 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.

Motor Vehicle Inspection Statistics

No. Stations	No. Mechanics	Results of Inspections	Cars Light Trucks	Trucks	Farm Trucks	Motorcycle Light Trailer	Trailers with brakes
216	500	Passed	87,556	4,880	1,355	3,733	3,235
		Rejected	3,195	235	67	123	151
Type of Vehicle	# Defective Brakes	# Defective tire/wheels	# Defective suspension	Defective steering	Defective exhaust	#Defective body/frame	windshield & glazing
Light Vehicle	15,231	7,100	8,295	6,189	3,448	2,783	1,366
Commercial Vehicle	2,075	727	504	497	336	272	163

Commercial Vehicle Enforcement

Roadside Vehicle Checks - Highway Safety Peace Officers, in cooperation with police agencies, conducted 17 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 are two weigh scale stations in Prince Edward Island. One is located at Borden-Carleton and the other in Wood Islands. The Borden-Carleton Scales are opened 24 hours a day throughout the year and are staffed by five full-time officers, two full/part-time officers and one relief officer.

The Wood Islands Scales operate from May to mid December each year, and are open daily. Staff includes one full-time and two full/part-time officers.

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	253,890
	Wood Islands Scales	11,770
U.S. Trucks	Borden/Carleton Scales	476
	Wood Islands Scales	2

Driver and Vehicle Checks

Activity	Location	Number
Driver's Documents	Borden/Carleton Scales	13,650
	Wood Islands Scales	980
Hours of Work (Driver's Log)	Borden/Carleton Scales	605
	Wood Islands Scales	190
Trip Inspections	Borden/Carleton Scales	605
	Wood Islands Scales	190
Dangerous Goods Inspections	Borden/Carleton Scales	78
	Wood Islands Scales	6

Miscellaneous Activities

Activity	Location	Number
Quick Check Stickers Issued	Borden/Carleton Scales	40
	Wood Islands Scales	0
Potato Levy Slips Collected	Borden/Carleton Scales	6,777
	Wood Islands Scales	216
Vehicles Checked For Taxable Goods	Borden/Carleton Scales	25
	Wood Islands Scales	0
Forest Products	Borden/Carleton Scales	723
	Wood Islands Scales	151
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales	6
	Wood Islands Scales	0
Apiary Act	Borden/Carleton Scales	5
	Wood Islands Scales	0
Animal Health Act	Borden/Carleton Scales	55
	Wood Islands Scales	0
Fisheries Product Act	Borden/Carleton Scales	1,349
	Wood Islands Scales	94

Permits Issued

Type	Location	Number	Revenue
In-Transit	Borden/Carleton Scales	74	\$370.00
	Wood Islands Scales	6	\$305.00
Oversize	Borden/Carleton Scales	827	\$22,830.00
	Wood Islands Scales	19	\$520.00
Overweight	Borden/Carleton Scales	215	\$5,375.00
	Wood Islands Scales	5	\$125.00
Trip	Borden/Carleton Scales	489	\$61,500.00
	Wood Islands Scales	9	\$1,275.00
Fuel	Borden/Carleton Scales	391	\$9,775.00
	Wood Islands Scales	14	\$350.00
Work	Borden/Carleton Scales	82	\$18,600.00
	Wood Islands Scales	3	\$800.00
Non-Compliance	Borden/Carleton Scales	265	\$26,500.00
	Wood Islands Scales	6	\$600.00
Disinfection Fees	Borden/Carleton Scales	1,536	\$16,128.00
	Wood Islands Scales	0	\$0.00
Other Category B	Borden/Carleton Scales	0	0.00
	Wood Islands Scales	0	0.00
TOTALS	Borden/Carleton Scales	3,879	\$161,078.00
	Wood Islands Scales	62	\$3,700.00

Recorded Violations

Item	Location	Number	Revenue
Roads Act	Borden/Carleton Scales	94	\$13,500.00
	Wood Islands Scales	5	\$976.00
Highway Traffic Act	Borden/Carleton Scales	14	\$1,380.00
	Wood Islands Scales	5	\$950.00
Dangerous Goods Act	Borden/Carleton Scales	0	0
	Wood Islands Scales	0	0
	Portables	0	0
TOTALS	Borden/Carleton Scales	108	\$14,880.00
	Wood Islands Scales	10	\$1,826.00

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

Item	2008-2009	2009-2010
Total Number of Trucks & Truck Trailers Inspected	959	582
Power Units Out Of Service	93	79
Tractor Trailers Out Of Service	46	28

The Portable Scale Unit consists of one vehicle and portable wheel weigher scales. The unit is staffed by two permanent full-time 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

Charges	Revenue
154	\$ 26,699.00

Carrier Management

The National Safety Code Auditor completed 96 educational visits to carrier locations throughout the province. As well, there were thirteen Carrier Audits completed and eight 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 buildings owned or leased by the Department.

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

PLANNING

The 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;
- preparation and review of traffic studies, site impact analysis, and level-of-service analysis;
- 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:

- Aviation Standing Committee
- Policy and Planning Support Committee (PPSC)
- NHS Review Task Force
- 511 Traveler Information Task Force
- Sustainable Transportation Task Force
- Transportation Report Card Task Force
- Intercity Bus Service Task Force
- Atlantic Canada Airports Association
- Board of Examiners, Land Surveyors Association (Chair)
- Climate Change Working Group
- Data Strategy Committee, Climate Change
- Atlantic Provinces Transportation Committee
- National Road Weather Information Systems for Canada Committee
- Atlantic Intelligent Transportation Systems Committee
- Northeast Can-Am Connections management committee
- North Atlantic Transportation Planning Officials
- Atlantic Provinces Transportation Forum

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

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

National Highway System

Following the success of the Planning section'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 a regular 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 task force was formed in the fall of 2005 to develop an Atlantic Canada transportation strategy. The Planning section represents the province on this task force. The strategy document, entitled "*Charting the Course: Atlantic Canada Transportation Strategy 2008-2018*" was released by Atlantic Ministers responsible for transportation in January 2008. The strategy identifies a common vision for regional transportation, strategic regional multi-modal infrastructure, challenges facing transportation in Atlantic Canada, and an action plan to address these challenges. Progress on issues identified in the Strategy is measured each year, and an annual progress update is planned, pending Atlantic Ministers approval.

Atlantic Gateway

The four Atlantic provinces are working collaboratively with the federal government on the development of an Atlantic Gateway Strategy. Section staff represented the province during the initial phase of this project, and continues to be involved now that intergovernmental affairs staff have taken the lead on the initiative for the province.

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 provinces National Highway System is the primary highway 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.

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:

- evaluation of existing buildings
- development of concept plans
- preparation of cost estimates
- preparation of working drawings and specifications required to obtain tenders, receipt of tenders and preparation of construction contracts
- construction contract administration and quality control
- preparation of request for proposals covering required consultant and construction management services and evaluation of these proposals.

Construction Management, with multiple trade contract packages, was used for the QEH Redevelopment and Montague High School projects, in lieu of the traditional lump sum general contract tender. This approach expedited the projects, increased the amount of competition and especially at the EH Redevelopment project assisted with scheduling the work to meet the needs for continued operations at the acute care hospital. Planning and design for the new Coville and Maplewood Manor Long Term Care Facilities was commenced, construction for these projects will also be implemented using Construction Management.

Design work was completed and tenders were received during the year for the following projects:

SCHEDULE OF CONSTRUCTION TENDERS RECEIVED

APRIL 1, 2009 - MARCH 31, 2010

<u>Sherwood Elementary School - New Fire Alarm System - April 1, 2009</u>	
A & G Electric	\$14,875
Kingston Electric	\$16,212
Hansen Electric	\$17,290
Olympia Electric	\$19,000
EMC Entire Electric	\$24,650
 <u>Montague Regional High School - TP16A - Masonry - April 7, 2009</u>	
Wildwood Masonry	\$897,000
MCM Bricklayers	\$986,000
West Masonry	\$1,079,000
 <u>Montague Regional High School - TP16C - Metal Siding - April 7, 2009</u>	
Dowd	\$294,500
Vic West	\$314,700
 <u>Montague Regional High School - TP16D - Roofing Section B - April 7, 2009</u>	
Atlantic Roofers	\$262,475
Ashe Roofing	\$279,000
Flynn Canada	\$298,000
 <u>Queen Elizabeth Elementary - Partial Window Replacement - April 16, 2009</u>	
WM&M (1993) Ltd.	\$72,800
G.I.A. Ltd.	\$76,600
 <u>Ecole Evangeline - Washroom & Change Room Upgrades - April 16, 2009</u>	
Wellington Construction	\$75,485
G.I.A. Ltd.	\$78,000
 <u>EH Emergency Phase 1A - TP7H - Millwork - April 22, 2009</u>	
Storemark	\$182,600
Chandler's Home Centre	\$194,000
Nova Wood Products	\$208,790
 <u>EH Emergency Phase 1A - TP7F - Conveying Systems - April 22, 2009</u>	
Thyssen Krupp	\$136,442
 <u>EH Emergency Phase 1A - TP7E - Electrical - April 22, 2009</u>	
Hansen Electric	\$2,596,000
Olympia Electric	\$2,785,000
 <u>EH Emergency Phase 1A - TP7D - Fire Suppression - April 22, 2009</u>	
Edwards Sprinkler	\$281,000
Viking Fire Protection	\$286,000
 <u>EH Emergency Phase 1A - TP7C - HVAC - April 22, 2009</u>	
Entire Mechanical	\$1,783,600
Altantica Mechanical	\$1,933,752
Brunswick Sheet Metal	\$1,999,800
Gavan Gill	\$2,052,000

<u>EH Emergency Phase 1A - Plumbing, Medical Gas & Heating - April 22, 2009</u>	
Precision Mechanical	\$2,385,000
Bevan Bros.	\$2,538,000
<u>Montague Regional High School - TP17 - Elevator - April 23, 2009</u>	
Thyssen Krupp	\$67,700
<u>East Wiltshire School - Parking Lot Upgrade - April 23, 2009</u>	
Cecil Pauley Construction	\$86,870
<u>EH Emergency Phase 1A - TP8 - Structural Steel - April 28, 2009</u>	
Prebilt Steel	\$234,700
Livingston Steel	\$237,000
MacDougall Steel	\$254,800
<u>EH Emergency Phase 1A - TP7A - Interior Fit Up - April 28, 2009</u>	
MacLean Construction	\$2,700,000
WM&M (1993) Ltd.	\$2,776,000
<u>Montague Regional High School - TP5B - Site Development (Balance) - April 29, 2009</u>	
Birt & MacKay	\$1,696,500
Island Excavators	\$1,849,990
Island Coastal Services	\$1,950,000
<u>Montague Regional High School - TP15A - Concrete Floors & Gravel - April 29, 2009</u>	
WM&M (1993) Ltd.	\$315,000
Southern Kings Construction	\$353,100
<u>Stonepark Intermediate School - Music Room Renovations - May 5, 2009</u>	
WM&M (1993) Ltd.	\$162,300
<u>Montague Regional High School - TP18 - Stairs & Metal Fabrication - May 7, 2009</u>	
Prebilt Structures	\$146,700
Livingston Steel	\$157,990
<u>EH Emergency Phase 1A - TP7I - Flooring - May 12, 2009</u>	
Tile Master Inc.	\$358,000
Install-a-Floor Limited	\$618,688
<u>Eastern School District - Security Camera Systems - May 14, 2009</u>	
CAMACC	\$193,680.30
Jamieson Electric	\$198,668
Entire Electrical	\$204,900
DBA Solar Electric	\$210,890
AMAC Electric	\$240,190
Troy Sprinkler Ltd.	\$249,820.50
Backman Vidcom Ltd.	\$272,676.41
Chubb Fire & Security	\$291,000
Thomas Edison Electric	\$294,000
<u>Hillsborough Hospital - Various Buildings Exterior Painting - May 21, 2009</u>	
Mallard Painting	\$18,645
Jason's Drywall & Painting	\$19,450

<u>M.E. Callaghan School - Lagoon Upgrade - May 21, 2009</u>	
AJL Limited	\$449,000
Curran & Briggs	\$472,400
Island Coastal Ltd.	\$494,389.88
Noye & Noye Ltd.	\$559,779
<u>Montague Regional High School - TP28 - Painting - May 26, 2009</u>	
Island Painting and Decorating	\$197,127
<u>Montague Regional High School - TP22 - Suspended T-Bar Ceiling and Tiles - May 26, 2009</u>	
Damac Construction	\$227,800
<u>Montague Regional High School - TP21 - Overhead Doors - May 26, 2009</u>	
Coles Door System	\$28,075
WM&M (1993) Ltd.	\$34,000
<u>Montague Regional High School - TP20 - Drywall Partitions, Doors, Frames, Hardware & Glazing - May 26, 2009</u>	
MacLean Construction	\$600,000
WM&M (1993) Ltd.	\$600,000
<u>Montague Regional High School - TP19 - Interior Masonry Non-Load Bearing Walls - May 26, 2009</u>	
MCM Bricklayers	\$421,000
Wildwood Masonry	\$439,000
West Masonry	\$470,000
<u>Westisle Composite High School - PA System - May 28, 2009</u>	
Gaudets Electrical Services Limited	\$57,147.32
Jamieson Electric	\$65,174
<u>Ecole Evangeline - Trades Initiatives - June 4, 2009</u>	
Wellington Construction	\$235,885.
<u>Ecole Francois Buote - Classroom Addition - June 9, 2009</u>	
WM&M (1993) Ltd.	\$484,400
RCS Inc.	\$518,000
<u>Holland College Royalty Centre - Partial Roof Replacement - June 25, 2009</u>	
Ashe Roofing	\$152,588
Atlantic Roofers	\$154,979
<u>Montague Regional High School - TP29 - Food Service Equipment - June 30, 2009</u>	
Ferguson Sales	\$215,000
Summertime Industries Ltd.	\$224,300
Jessom Food Equipment	\$243,860.24
<u>Montague Regional High School - TP27 - Specialties - June 30, 2009</u>	
MacLean Construction	\$429,755
WM&M (1993) Ltd.	\$463,000
<u>Montague Regional High School - TP25 - Flooring & Wall Tiles - July 7, 2009</u>	
Loyalist Marble & Tile Ltd.	\$316,800

<u>Provincial Correctional Centre - Security Unit Addition - July 7, 2009</u>	
MacLean Construction	\$2,946,900
Brighton Construction	\$3,051,000
RCS Inc.	\$3,094,000
Fitzgerald & Snow	\$3,248,000
<u>Miscouche Consolidated - Relocation of Portable Classrooms - July 10, 2009</u>	
PD Construction	\$21,800
<u>Dept. Education and Early Childhood Development - Office Space Fit Up - July 14, 2009</u>	
WM&M (1993) Ltd.	\$434,400
Wellington Construction	\$439,745
G.I.A. Ltd.	\$490,000
<u>Glen Stewart Elementary - Relocation of Portable Classrooms - July 13, 2009</u>	
PD Construction	\$15,000
<u>Brudenell River Golf Course - Cart Path Paving - July 31, 2009</u>	
Cecil Pauley Construction Ltd.	\$29,860.10
<u>EH Ambulatory Care Centre - TP2 - Site Development - August 4, 2009</u>	
Island Coastal Services	\$1,408,109
Island Excavators Ltd.	\$1,443,674
Birt & MacKay	\$2,262,899.25
<u>Charlottetown Highway Maintenance Office - Roof Repair - August 6, 2009</u>	
Ashe Roofing Ltd.	\$18,580
Atlantic Roofers Ltd.	\$25,847
<u>Montague Regional High School - TP24 - Millwork - August 6, 2009</u>	
Chandlers Cabinets and Millwork	\$688,000
Nova Wood Products Ltd.	\$809,300
Provincial Lab Systems Ltd.	\$839,942
<u>Ecole La Belle Cloche - Painting - August 10, 2009</u>	
B. Clinton Construction	\$18,000
<u>Ecole La Belle Cloche - Fit Up & Renovations - August 10, 2009</u>	
B. Clinton Construction	\$44,743
R.D. Sanderson Construction Inc.	\$57,616
<u>Miscouche Elementary - Mobile Classroom Addition and Renovation - August 14, 2009</u>	
Wellington Construction	\$59,875
MacLellan Construction	\$66,565
Bayside Builders	\$87,600
<u>New Stratford Elementary - Phase 1 - August 18, 2009</u>	
Island Excavators	\$655,482
Brighton Construction	\$692,000
Fitzgerald & Snow	\$746,800
MacLean Construction	\$754,900
Island Coastal	\$758,196.57
WM&M (1993) Ltd.	\$783,000
Birt & MacKay	\$883,479.86
<u>Ecole La Belle Cloche - Millwork - August 18, 2009</u>	
B. Clinton Construction	\$24,670

<u>Ecole La Belle Cloche - Electrical - August 18, 2009</u>	
Hansen Electric	\$20,275
AMAC Electric	\$22,280
Foster Campbell	\$22,448
DBA Solar Electric	\$31,995
<u>Montague Regional High School - TP26 - Gym Floor & Equipment - August 25, 2009</u>	
Centaur Products Inc.	\$219,825
<u>Beechwood Urgent Care Centre Addition - Phase 1 - August 25, 2009</u>	
AJL General Contractors	\$257,707
<u>Beechwood Urgent Care Centre Addition - Phase 2 - August 27, 2009</u>	
G.I.A. Ltd.	\$254,000
Perry's Construction Ltd.	\$278,000
WM&M (1993) Ltd.	\$312,800
MacLean Construction	\$318,095
<u>Westwood Primary School - Sitework - August 27, 2009</u>	
Hilltop Construction Ltd.	\$58,000
Island Coastal Services Ltd.	\$96,590
<u>Kings County Memorial Hospital - A/C Laundry & Kitchen - September 1, 2009</u>	
Entire Mechanical	\$23,559
J & S Sheet Metal	\$26,800
<u>Kings County Memorial Hospital - Partial Roof Replacement - September 1, 2009</u>	
Ashe Roofing	\$60,884
Atlantic Roofers	\$64,970
Flynn Canada	\$85,200
<u>Youth Day Treatment Centre - Renovation - September 1, 2009</u>	
WM&M (1993) Ltd.	\$282,000
MacLean Construction	\$289,000
Fitzgerald & Snow	\$312,700
Ryson Interior Construction Ltd.	\$500,000
<u>New Stratford Elementary - Phase 2 - September 24, 2009</u>	
MacLean Construction	\$7,059,000
Brighton Construction	\$7,226,000
Fitzgerald & Snow	\$7,442,000
<u>Prince County Courthouse - Partial Roof Replacement - September 24, 2009</u>	
MacBeth Bros. Roofing	\$14,900
Palmer Construction	\$23,800
<u>Western Hospital Emergency Renovation - Phase 1 - October 1, 2009</u>	
G.I.A. Ltd.	\$192,000
<u>Montague Regional High School - TP123D - Stage Drapery System - October 15, 2009</u>	
Rodney Enterprises Ltd.	\$25,600
Waller Agencies Ltd.	\$36,437

Department of Fisheries, Aquaculture & Rural Development - Furniture Fit Up - October 15, 2009

LEDA Furniture Ltd.	\$98,514.50
Atlantic Business Interiors (option A)	\$139,820.68
Atlantic Business Interiors (option B)	\$147,479.42
Perry Office Interiors	\$182,678.31
Office Interiors	\$184,741.13

Montague Intermediate School - I.A. and Music Room Addition - October 16, 2009

WM&M (1993) Ltd.	\$943,000
Brighton Construction	\$964,000
MacLean Construction	\$1,101,605

Beechwood Urgent Care Centre Addition - Phase 3 - October 22, 2009

G.I.A. Ltd.	\$1,927,000
Brighton Construction	\$2,047,000
Perry's Construction	\$2,120,000
Pomerleau Inc.	\$2,230,000
Wellington Construction	\$2,294,445

Westwood Primary School - Kindergarten Addition - November 3, 2009

WM&M (1993) Ltd.	\$2,311,000
Brighton Construction	\$2,313,000
Fitzgerald & Snow	\$2,378,500
MacLean Construction	\$2,380,000

EH Ambulatory Care Centre - TP28 - Temporary Entrance - November 23, 2009

WM&M (1993) Ltd.	\$201,000
MacLean Construction	\$230,809

Elevator Upgrade Customs House - December 9, 2009

Thyssen Krupp	\$73,555.80
Otis Canada Inc.	\$117,960.52

Dept. Education & Early Childhood Development - Office Space Fit Up - Phase 2 - December 15, 2009

Wellington Construction	\$1,351,875
WM&M (1993) Ltd.	\$1,384,000
Fitzgerald & Snow	\$1,406,000

Prince County Hospital - Flooring - January 14, 2010

Tile Master	\$39,000
Loyalist Marble & Tile	\$111,700

Stonepark Intermediate School - Music Room Renovations - January 14, 2010

WM&M (1993) Ltd.	\$151,700
MacLean Construction	\$152,100
All Star Construction	\$155,722.01
Brighton Construction	\$171,000
Les Construction Des Isle Inc.	\$174,900

Eastern School District - Security Cameras - Kings & Queens County - January 14, 2010

CAMACC System Inc.	\$257,181.10
DBA Solar Electric	\$292,945
Jamieson Electric	\$293,000
Entire Electrical	\$396,693
Perpetual Security Corp	\$145,600
Plexus Connectivity Solutions	\$186,816.77

<u>Wedgewood Manor - Kitchen Air Conditioning - January 19, 2010</u>	
Poirier Heating & Cooling	\$27,346
Jamieson Electric	\$28,400
Sherbrooke Mechanical	\$29,768
Entire Mechanical	\$32,996
Lowther Refrigeration	\$33,678
<u>Shaw Building - AV Theatre Renovations - February 4, 2010</u>	
All Star Construction	\$120,737.20
Brighton Construction	\$126,000
MacLean Construction	\$144,380
<u>Hillsborough Hospital - Unit 3 Women's Washroom Renovation - February 4, 2010</u>	
WM&M (1993) Ltd.	\$58,600
MacLean Construction	\$64,830
<u>EH Ambulatory Care Centre - TP4 - Building Pad Preparation - February 9, 2010</u>	
Birt & MacKay	\$74,354.64
Island Coastal	\$89,394
Island Excavators	\$109,436
<u>Western Hospital - St. Martha's Villa Upgrades - February 18, 2010</u>	
G.I.A. Limited	\$105,000
<u>Ecole La Belle Cloche - Kitchen Upgrades - February 19, 2010</u>	
Atlantic Premier Store Fixturing Inc.	\$45,516
B. Clinton Construction Ltd.	\$47,140
MacLean Construction	\$51,341
WM&M (1993) Ltd.	\$56,000
<u>Stonepark Intermediate School - Sprinkler System - March 3, 2010</u>	
Viking Fire Protection Inc.	\$319,560
Edwards Sprinkler	\$395,793
<u>West Royalty & L.M. Montgomery Schools - Kindergarten Addition - Structural Steel - March 10, 2009</u>	
MacDougall Steel Erectors	\$114,964
Prebilt Structures Ltd.	\$143,000
Livingston Steel Inc.	\$144,500
<u>Beach Grove Home - Dehumidification - March 11, 2010</u>	
Entire Mechanical	\$176,000
J & S Sheet Metal	\$195,700
<u>Stratford Liquor Store - Interior Fit Up - March 16, 2010</u>	
WM&M (1993) Ltd.	\$652,000
MacLean Construction	\$690,400
Brighton Construction	\$703,000
Ryson Interior Construction	\$737,143
<u>EH Ambulatory Care Centre - TP5 - Foundation & Structural Concrete - March 30, 2010</u>	
WM&M (1993) Ltd.	\$2,169,000
Brighton Construction Inc.	\$2,283,000
MacLean Construction	\$2,364,500

Projects from Previous Year

Contract administration and quality control was also provided for the following projects that were tendered prior to April 1, 2009:

- Sherwood Elementary School Sprinkler System
- Elliot River School Roofing
- L M Montgomery School Sprinkler System
- EH Emergency and Cancer Treatment Center Trade Packages
- Montague Regional High School Trade Packages
- Elm Street Elementary School Addition & Renovation

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.

Planning for the relocation of a Department from Government owned space in Charlottetown to leased space in Montague was completed and planning for relocation of a Department from Government owned space in Charlottetown to leased space in Summerside continued during the year.

Operations and Maintenance Section Projects included:

Kings County

Montague Office Complex

- Interior painting.
- Installed new window blinds

Georgetown Courthouse

- Replaced main entrance door
- Installed new security light

Mount Stewart Materials Lab

- Supplied and installed heat shield
- Replaced circulatory pump

Orwell Corner Historic Village

- Community hall wall shingles replaced and painted
- Replaced ceiling in Clark's Store

Wood Island Scale House

- Installed new shower
- Repairs to deck #2

Basin Head Fisheries Museum

- Repairs to roofing
- Installed new sewer lift pump
- Installed new sump pumps
- Repairs to Cannery and Scoop doors

Access PEI - Montague

- Constructed two new offices
- Interior painting

South Hampton Forestry

- Installed new window blinds
- Installed new washroom taps

Elmira

- Installed new flag pole

Lea Crane Building

- Installed exterior security lights
- Installed double doors in hallway entrance

Queens County

PAB Complex

- Carpeted tile installed at main entrances
- Flushed and videoed storm sewer lines
- Installed new exterior fire hose connectors
- Paved parking lot
- Data /Phone & Power installations through out complex
- New garage door installed to under ground parking
- Flowers planted in beds
- Re organization of office space through out complex

Shaw Building

- Painting on 5th Center, 4th Lobby , 2nd and 5th floor South and maintenance painting throughout building
- (4) Post lights installed
- Installed wiring for air conditioner units
- Fire pump and controls installed
- Office walls constructed 2nd floor south
- Window blinds installed 2nd floor south
- Carpet installed 4th and 5th floor center
- Suspended ceilings installed in basement hallways
- Wiring for 27 air conditioners

Sullivan Building

- Repairs to main furnace stack
- Installed new air conditioner 2nd floor
- New oil storage tank in generator room
- Office renovations 3rd floor

- Installed vinyl tile in pharmacy basement
- Replaced worn out cooling coil on fan system 27
- New stainless steel walls and corners installed in cafeteria
- Maintenance painting throughout building

Jones Building

- Maintenance painting throughout building
- New flooring & painting in executive offices 4th floor
- Construction of offices
- Disabled door opener installed on ladies washroom in basement
- Shut off switch to elevators replaced
- Renovations to meeting room 2 in basement and meeting room 3rd floor
- Renovations to rock lab basement area.

Provincial Correctional Center

- Renovations for office space
- Install wiring for 16 new cameras
- New safety window screens installed on 6 windows
- Maintenance painting throughout building

Government House

- Paving of all driveways
- Humidifier installed in basement
- Back stairwell (paint and carpet)

Holland College Royalty Center

- Modular units installed in office area
- Air conditioner unit installed in old carpentry shop
- Removal of auto hoist and construction for additional archive space
- Maintenance painting throughout building

Cavendish Cottage

- New cupboards and counter tops installed
- New flooring in kitchen

Environmental Warehouse

- Landscape work in and around building for water drainage
- Security system installed
- Storage for boat constructed
- Hot water heating system installed
- Secured outside fenced in area enlarged

E. Blanchard Building (Gordon Drive)

- Exterior and interior disabled door openers installed
- 22 air conditioning units installed

Customs House

- Renovation to front entrance for security
- 4 safety bollards installed at entrance ways to parking lot
- Elevator upgrade was completed.

Province House Annex (J Angus Maclean Building)

- Security system installed

Cavendish Visitors Information Center

- Hot water boiler installed
- Water Ultra Violet lights repaired

Forestry Queens (Beach Grove)

- Interior painting

Mona Wilson Building

- Renovations to front entranceway
- Removal of exterior flue

Fire Arms Office

- Renovations to front entrance and storeroom .

Sir Louis Henry Davis Law (Courthouse)

- Maintenance painting throughout building
- Landscape and signage at front entrance to building
- Repairs to copper roof
- Flower beds upgraded

Kelly Building (Courthouse)

- Wiring run for security cameras

Ellis Birts (Sherwood Business Centre)

- Renovations to Diabetes area

Belmont Street Warehouse (Food Bank)

- Renovations to office area

Coles Building

- New flooring installed in office on 4th floor
- Renovations to kitchen are completed 2nd floor

West Royalty Industrial Park

- Cut door opening in concrete wall
- Frame in opening

Hunter River Office (Dr Ellis House)

- Renovations to remove part of building to allow for driveway

Charlottetown Government Garage office Complex

- Renovations to front of office area in front office building

Dairy Labs

- Data wiring upgraded

Breken Yates (Family Law)

- Renovations for new office area

Highway Safety

- Renovations to office area

Health Agency (16 Garfield Street)

- Install data, telephone and power in boardroom

Prince County

Access PEI, Alberton

- exterior painting of building
- concrete step and sidewalk repairs

Tignish Sign Shop

- Air handling system motor replacement

Alma Highway Maintenance Depot

- Interior renovation
- Air handling system balanced

Tyne Valley Health Centre

- New UV filtration system

Acadian Museum

- Replaced air conditioning pump

PEI Youth Centre, Summerside

Water heater replacement, Unit "A"

Access PEI, Summerside

- Interior Renovations (Community Services, Seniors & Labour)
- Partial floor replacement
- Replaced cooling coils
- Replaced 4 motors for a/c units

St. Eleanors House

- Roof replacement

Prince County Courthouse

- Boiler replacement
- Interior painting
- Partial floor replacement
- Window blinds, 3rd floor
- Window screen repairs

Tyne Valley Young Offenders

- New well and pump
- Partial flooring replacement

Prince County Forestry

- Siding repairs and exterior painting, garage
- Partial window replacement

Kensington Potato Services Building

- Countertop and tap replacement, Lab

Borden Scalehouse

- Interior minor repairs and painting
- Repairs to cable trays at scaledeck

Slemon Park Highway Maintenance Depot

- Clean oil separation holding tank
- Add interior door closers

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.
- 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; 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 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 inspected and assessed for potential environmental effects, and an approval-to-proceed is issued complete with project specific conditions-of-approval.

Project Approvals

The EMS issues four types of project approvals:

- Approval (no Watercourse, Wetland or Buffer Zone Activity Permit);
- Approval with accompanying Watercourse, Wetland or Buffer Zone Activity Permit issued by Provincial Environment, Energy and Forestry (DEEF);
- Field Approval; and,
- Blanket Approval.

The Section processed 253 environmental assessments/project approvals during 2009/2010, including 155 field approvals. A summary of the 253 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.

Environmental Management Section Project Approvals

County	Blanket Approval	EMS Approval (only)	EMS Field Approval	EMS Approval & DEEF Permit	Total
Prince	5	6	55	5	71
Queens	5	27	46	15	93
Kings	5	8	54	22	89
Province	15	41	155	42	253

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 single, county-based approval.

EMS now issues blanket approvals to our Highway Maintenance Division (HMD), Bridge Maintenance Section, Capital Projects, Confederation Trail, and Maritime Electric. The issuing of these approvals allows us to streamline 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 2009/2010 for the various blanket approval types is provided in the table below.

Blanket Approval Summary

Blanket Approval Type	Number of Blanket Approval Projects Completed			
	Kings County	Queens County	Prince County	Provincial Total
Millings Placement	1	30	36	67
Road Bump Installations	1	1	4	6
Shore Access	5	8	6	19
Maintenance of Environmental Controls	23	20	10	53
Guardrail Reinstatement (with shoulder work)	3	15	15	33
Confederation Trail Surface and Slope Repairs	20	3	4	27
Confederation Trail Vegetation Management	3	10	-	13
Ditching	22	33	81	136
Brush Cutting	77	48	108	233
Timber Pile Bridge Minor Repair	2	4	3	9
Resurfacing Unpaved Roads within 30 m of Watercourse/Wetland	41	44	12	97
Surface Water Cross Culvert Replacement	8	13	28	49
Repair, Increase or Replace Stabilization Materials at Watercourse/Wetland	7	9	7	23
Maintenance of Provincial Tap Drains	-	3	11	14
Shoulder grading/planing & Material Placement	13	21	15	49
Repair/Replace Timber floors	1	3	-	4
Painting Bridge Structures	-	-	-	-
Asphalt Overlay	13	14	8	35

Debris Removal from Structures	1	2	1	4
Totals	241	281	349	871

Field Approvals

The field approval enables a project proponent to receive an approval-to-proceed from the EMS Environment 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 authorized under a blanket approval, yet are considered to have less potential for causing impacts than those projects that would receive a standard approval. In 2009/2010, 155 field approvals were issued.

Environmental Audit Results

A joint end-of-construction season environmental audit was conducted in the Fall of 2009 with representatives from the Department of Environment, Energy & Forestry and the Department of Fisheries and Oceans. 18 projects were audited from across the Province. The audit results, which rate project compliance with assigned conditions-of-approval, conclude that TIR projects conducted in the 2009 construction season meet their associated environmental requirements. This rating is consistent with the Department’s environmental performance for previous years, indicating consistently strong environmental performance by the Department, with opportunities for improvement, training and ongoing communication.

NEW INITIATIVES

The EMS was involved in the following new initiatives in 2009/2010:

Harmful Alteration Disruption or Destruction (HADD) Habitat Banking Initiative

TIR undertakes a limited number of projects that may result in a harmful alteration disruption or destruction of fish habitat, known as HADD. For these projects, EMS staff negotiate with Fisheries and Oceans Canada to determine appropriate compensation for the HADD; this negotiation is very time consuming, expensive, and often difficult to resolve. Our department, like many jurisdictions across Canada, is exploring the option of establishing a Habitat Bank. This bank would allow us to continue our beneficial partnerships with local watershed groups in improving and creating fish habitat. Such habitat enhancement and creation projects would be measured, assigned a HADD Credit amount and the results “banked”. This bank would then be available for “withdrawals” against Department projects that result in HADD. In 2009, the Section continued to work with Fisheries and Oceans towards developing a HADD Banking Program.

Establishment of Committees

Two new committees were formed to further improve communication and cooperation between staff with our Department and local/regional Department of Fisheries and Oceans, as well as Provincial Department of Environment, Energy and Forestry. A management committee and a technical committee, both comprised of members of these agencies, met on a number of occasions in 2009/2010. The Committees continue to meet to address ongoing cooperation and communication toward successful working relationship with overlapping roles of regulation and compliance.

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 2009, EMS staff coordinated environmental management round-table discussion sessions with TIR Divisions, including Highway Maintenance, Confederation Trail and Capital Projects. The topics of these sessions included TIR 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. EMS staff also made presentations to HMD and Confederation Trail staff at Spring Orientation sessions. EMS has also made presentations to local watershed groups and to participants of a watershed management course offered at UPEI in 2009.

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

- Adopt-A-Highway Program
- Agricultural Siltation into ROW
- Environment Fund Program
- Fish Passage Restoration Program
- Environmental Audit Program
- Maritime Electric Tree Trimming Program

Policies

- Highway-related Beaver Management
- Seeding Policy
- Fuel Spill Response Procedures
- Water Well Replacement Policy
- Wetland Conservation Policy
- Culvert Sizing Policy
- Approval-to-Proceed-Renewal/Modification/Extension Policy

Heritage Roads

The EMS coordinated development of a Management Strategy for Designated Scenic Heritage Roads (DSHRs). The strategy recognizes that the historical and aesthetic value of the DSHRs 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 12 DSHRs through reviewing and approving works undertaken on these roads in consultation with a provincial wildlife biologist.

Agriculture-related Work

In 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 effected 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 storm water 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 TIR 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 the Provincial Environment Department and watershed groups from across the Province to identify and repair fish passage barriers at highway culverts. Fish passage was improved at 11 road culvert locations in 2009. The Department continues to work with community based watershed groups to address fish passage concerns.

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 received 40 requests for assistance in 2009/2010 and coordinated completion of 40 of these projects.

Beaver Management

The EMS coordinates a Beaver Management Program, consist with the Departments Beaver Management Policy , developed to address the problem of highway culverts frequently being obstructed by beaver activity. During the summer, three Beaver Management Workers (BMW's) are hired to proactively 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 EEF. The cost of hiring the BMW's 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 BMW's identified and managed beaver problems at 165 sites in 2009.

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:

- Stanley/Hope River Watershed Stewardship Committee
- Transportation Association of Canada (TAC) Environment Council
- Transportation Association of Canada (TAC) Road Salt Working Group
- Provincial Environmental Assessment Review Committee
- Information Technology Committee
- Litter Awareness Committee
- Natural Areas Protection Act Committee
- Provincial Government Climate Change Committee
- Provincial Land Use Coordinating 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 environmental assessments/screenings for larger capital projects. The common types of approvals acquired include Navigable Waters Protection Act (NWPA) Approvals, Harmful Alteration, Disruption or Destruction (HADD) of fish habitat authorizations, Environmental Screenings under the Canadian Environmental Assessment Act (CEAA), and Watercourse/Wetland Alteration Permits.

NWPA Approvals

Administered by Transport Canada, NWPA 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 NWPA 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 EMS submitted NWPA applications, and coordinated associated requirements of the approval process, for the Midgell Railway Bridge, Dunedin Bridge, Corran Ban Bridge, and Victoria Bridge Replacements.

CEAA Screenings

Projects that involve federal funding, or have a federal department designated as the lead regulating agency often require submission of a Canadian Environmental Assessment Act Environmental Screening report for review and approval.

THE OFFICE OF THE PROVINCIAL CHIEF SURVEYOR

The Office of the Provincial Chief Surveyor, also known as the Surveys Section, provides land surveying services and counsel on legal and technical aspects related to land surveying and maintains a close working relationship with the Properties, Capital Projects, Maintenance, Building Design and Construction Sections of the Department. Expertise and services are also provided to other departments and agencies including Forestry, Fish and Wildlife, Legal and Judicial Services, Parks, School Boards, community groups, as well as the legal, engineering and land surveying communities throughout the province. The following are essential functions of the Surveys Section:

- provide timely, comprehensive and efficient land and engineering surveying services on public roads and provincial lands;
- provide counsel and regulate surveys completed under the *Condominium Act*, *Natural Gas Act* or *Mineral Resources Act*;
- collect evidence and provide counsel on the tenure (public or private) of particular roads, rights-of-way and public easements in the Province;
- maintain and manage the provincial control survey networks and provide technical assistance to various GPS/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;
- 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, and;
- provide a mechanism for the equitable resolution of boundary uncertainties.

Staff are specifically trained in land surveying, including the collection and assessment of boundary evidence. A compatibility assessment of the Survey Section's work requests and assignments Vs positions and expertise of staff members has been initiated. The goal of this assessment is to ensure that (a) staff are positioned to respond effectively to specialized work assignments, and (b) the Surveys Section in general is well-positioned to efficiently manage the various types of projects assigned to the Section. Staff currently consists of the Chief Surveyor who is a Professional Land Surveyor/Professional Engineer, two geomatics technicians, a research technician, a research/administrative support clerk, and two survey crews. A second position of Professional Land Surveyor/ Professional Engineer currently sits vacant.

In the past year, over 160 files have been created in the Surveys Section, consisting of road status requests, and right-of-way and easement acquisitions.

Condominiums

In 2009, the requirement for the Chief Surveyor's Office to examine and endorse condominium plans for developers was removed from the *Condominium Act*. In spite of this removal, advise is sought from the Office on the requirement for plans and, in some cases, an examination for deficiencies is requested.

Public Roads

In the past year, the Office has opened approximately 60 files relating to road width and status inquires. Disputed public roads continue to consume a major portion of resources. Often at issue were shore access roads barred from public use by an adjacent land owner. Appearances as an expert witness are made as required at various judicial proceedings where the tenure and boundaries of individual roads are at issue. Resources are now more dedicated towards defending the tenure of roads that are either classified and/or accepted into our network of maintained public roads.

In 2010, the Chief Surveyor's Office initiated an assessment of Section 4(2) of the Roads Act, a section that deals with determining widths of public roads. It is believed that the current wording in Section 4(2) is somewhat antiquated, and would benefit if updated and amended to allow for consideration of a broader spectrum of evidence in the decision making process. Such an amendment would provide legislation that

is more consistent with interpretation of the Provincial courts as well as provisions of other Atlantic Canadian provinces. This amendment initiative will remain as a priority until its completion within the next several months.

Legal Surveys

Some of the major projects that we have been involved with include the Port Hill Archeological site survey, surveys for expansions of the Province's manors and elementary schools, surveys for road acquisitions for the widening of Riverside Drive, Montague Roundabout, O'leary Roundabout and Slemon Park Roundabout.

Provincial Survey Reference System

The reference network, used by engineers, private land surveyors and government surveyors, has been in existence since the late 1960's. Throughout the past 20 years, minimal maintenance and replacement of the reference posts has been undertaken. In response to a request from the Provincial Land Surveyors Association, the Chief Surveyor's Office has been studying a replacement system that is more cost-effective for both government and industry. It is anticipated that a replacement system, based solely on GPS, will be established in the near future.

PROPERTIES SECTION

General Activities

The Properties Section is responsible for the provision of all 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 | - Leasing | - Consulting |
| - Acquisition | - Property Management | - Building Demolition |
| - Disposal | - Expropriation | - Public Tenders |
| - Negotiations | - Title Research | - Public Relations |
| - Marketing | - Paralegal Services | |

Real estate services are also provided to other government agencies such as the School Districts, Health Agencies, Energy Corporation, Island Waste Management Corporation, Liquor Control Commission, Museum and Heritage Foundation, Charlottetown Area Development Corporation, Holland College, Prince Edward Island Business Development Inc., 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, 2010, there were approximately 1964 essential properties (totalling 94,226 acres) and 81 surplus properties (totalling 539 acres) held in provincial ownership and under the management of various government departments.

For the period April 1, 2009 to March 31, 2010, the Section responded to 476 enquiries related to provincial property matters.

Property Leases - April 1/09 to March 31/10

For the period April 01, 2009 to March 31, 2010 there were 102 lease agreements on 84 provincial properties (1128.58 acres) generating revenue for this period of \$37,914.81.

In addition there were an additional 212 lease or licence agreements on 362 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 carry on activities on the Confederation Trail and within the road right-of-way when approved by the appropriate authority.

Disposals for Highways - April 1/09 to March 31/10

Parcel	Location	Acreage	Amount	Notes
640268	Donagh	0.23 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners.
663609	Victoria	0.99 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners.
747337	Waterford	2.62 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
1002351	Waterford	4.68 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
12021	Waterford	2.91 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
886176	Waterford	4.08 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
291096	Beach Point	0.15 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
Total	7 Disposals	15.66 acres	\$0.00	

Easements Granted - April 1/09 To March 31/10

Parcel	Location	Acreage	Amount	Notes
261578	Wellington	3.22 acres	\$1,605.00	Easement on Confederation Trail for Maritime Electric Transmission Line
432013	Portage	6.83 acres	\$3,404.00	Easement on Confederation Trail for Maritime Electric Transmission Line
429167	Linkletter	14.38 acres	\$7,168.00	Easement on Confederation Trail for Maritime Electric Transmission Line
431890	Miscouche	30.01 acres	\$14,959.00	Easement on Confederation Trail for Maritime Electric Transmission Line
431908	St. Nicholas	13.21 acres	\$6,585.00	Easement on Confederation Trail for Maritime Electric Transmission Line

548784	Wellington Center	17.06 acres	\$8,504.00	Easement on Confederation Trail for Maritime Electric Transmission Line
56960	West Devon	27.18 acres	\$13,548.00	Easement on Confederation Trail for Maritime Electric Transmission Line
420281	Coleman	8.48 acres	\$4,227.00	Easement on Confederation Trail for Maritime Electric Transmission Line
23036	Enmore	0.03 acres	\$39.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
22863	North Enmore	0.37 acres	\$484.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
22871	North Enmore	0.11 acres	\$144.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
57646	Coleman	2.35 acres	\$3,075.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52258	Richmond	2.28 acres	\$2,984.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
569822	St. Hubert	2.28 acres	\$2,984.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
595157	St. Eleanors	2.39 acres	\$3,127.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke.
70615	St. Eleanors	4.29 acres	\$5,614.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52290	Richmond	5.51 acres	\$7,210.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52647	Richmond	1.46 acres	\$1,911.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52225	Richmond	0.51 acres	\$667.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52266	Richmond	2.33 acres	\$3,048.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
23358	Enmore	2.49 acres	\$3,258.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke.
24349	Harmony	5.92 acres	\$7,747.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke

52811	Richmond	5.83 acres	\$7,629.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
51037	Inverness	0.06 acres	\$79.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
390864	Charlottetown	0.05 acres	\$500.00	Easement granted to City of Charlottetown for Storm water management
426361	Millview	0.02 acres	\$0.00	Easement granted for well
Total	26 Properties	158.97 acres	\$110,500.00	

Easements Acquired - April 1/09 to March 31/10

Parcel	Location	Acreage	Amount	Notes
768945	North Tryon	0.30 acres	\$0.00	Acquired for highway drainage.
226647	Kingston	0.09 acres	\$2,000.00	Acquired for site distance at intersection.
10975	Waterford	0.38 acres	\$0.00	Acquired for highway drainage.
10983	Waterford	0.09 acres	\$0.00	Acquired for highway drainage.
409813	Waterford	0.03 acres	\$0.00	Acquired for highway drainage.
409805	Waterford	0.21 acres	\$0.00	Acquired for highway drainage
632208	Waterford	0.005 acres	\$0.00	Acquired for highway drainage.
792937	Waterford	0.09 acres	\$0.00	Acquired for highway drainage.
10991	Waterford	0.27 acres	\$0.00	Acquired for highway drainage.
576991	Charlottetown	0.02 acres	\$2,500.00	Acquired for ditch slope.
284778	Hunter River	0.12 acres	\$0.00	Acquired for highway drainage.
284786	Hunter River	0.11 acres	\$1,500.00	Acquired for highway drainage.
20222	Tyne Valley	0.02 acres	\$1,000.00	Acquired for bridge construction.
21089	Tyne Valley	0.03 acres	\$1,500.00	Acquired for bridge construction.
20842	Tyne Valley	0.04 acres	\$2,000.00	Acquired for bridge construction.
20172	Tyne Valley	0.04 acres	\$2,500.00	Acquired for bridge construction.
735274	Stratford	0.02 acres	\$2,200.00	Acquired for site distance at intersection.
101121	Souris	0.08 acres	\$1,500.00	Acquired for highway drainage.
182220	Morell	0.09 acres	\$0.00	Acquired for highway drainage.
40337	O'Leary	1.12 acres	\$0.00	Acquired for highway drainage.
41160	O'Leary	1.12 acres	\$0.00	Acquired for highway drainage.
173898	Vernon Bridge	0.08 acres	\$0.00	Acquired for highway drainage.

398586	Stratford	1.86 acres	\$0.00	Acquisition of new subdivision streets
536185	Stratford	1.92 acres	\$0.00	Acquisition of new subdivision streets
859009	Stratford	0.07 acres	\$0.00	Acquired for highway drainage.
190629	Stratford	1.00 acres	\$0.00	Acquisition of new subdivision streets
Total	25 properties	9.21 acres	\$16,700.00	

Disposals for Highways - April 1/09 to March 31/10

Parcel	Location	Acreage	Amount	Notes
640268	Donagh	0.23 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners.
663609	Victoria	0.99 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners.
747337	Waterford	2.62 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
1002351	Waterford	4.68 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
12021	Waterford	2.91 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
886176	Waterford	4.08 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
291096	Beach Point	0.15 acres	\$0.00	Old road bed closed and conveyed to adjacent property owners
Total	7 Disposals	15.66 acres	\$0.00	

Easements Granted - April 1/09 To March 31/10

Parcel	Location	Acreage	Amount	Notes
261578	Wellington	3.22 acres	\$1,605.00	Easement on Confederation Trail for Maritime Electric Transmission Line
432013	Portage	6.83 acres	\$3,404.00	Easement on Confederation Trail for Maritime Electric Transmission Line
429167	Linkletter	14.38 acres	\$7,168.00	Easement on Confederation Trail for Maritime Electric Transmission Line
431890	Miscouche	30.01 acres	\$14,959.00	Easement on Confederation Trail for Maritime Electric Transmission Line
431908	St. Nicholas	13.21 acres	\$6,585.00	Easement on Confederation Trail for Maritime Electric Transmission Line
548784	Wellington Center	17.06 acres	\$8,504.00	Easement on Confederation Trail for Maritime Electric Transmission Line

56960	West Devon	27.18 acres	\$13,548.00	Easement on Confederation Trail for Maritime Electric Transmission Line
420281	Coleman	8.48 acres	\$4,227.00	Easement on Confederation Trail for Maritime Electric Transmission Line
23036	Enmore	0.03 acres	\$39.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
22863	North Enmore	0.37 acres	\$484.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
22871	North Enmore	0.11 acres	\$144.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
57646	Coleman	2.35 acres	\$3,075.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52258	Richmond	2.28 acres	\$2,984.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
569822	St. Hubert	2.28 acres	\$2,984.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
595157	St. Eleanors	2.39 acres	\$3,127.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke.
70615	St. Eleanors	4.29 acres	\$5,614.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52290	Richmond	5.51 acres	\$7,210.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52647	Richmond	1.46 acres	\$1,911.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52225	Richmond	0.51 acres	\$667.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
52266	Richmond	2.33 acres	\$3,048.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
23358	Enmore	2.49 acres	\$3,258.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke.
24349	Harmony	5.92 acres	\$7,747.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke

52811	Richmond	5.83 acres	\$7,629.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
51037	Inverness	0.06 acres	\$79.00	Easement for Maritime Electric transmission line from Cape Wolfe to Sherbrooke
390864	Charlottetown	0.05 acres	\$500.00	Easement granted to City of Charlottetown for Storm water management
426361	Millview	0.02 acres	\$0.00	Easement granted for well
Total	26 Properties	158.97 acres	\$110,500.00	

Easements Acquired - April 1/09 to March 31/10

Parcel	Location	Acreage	Amount	Notes
768945	North Tryon	0.30 acres	\$0.00	Acquired for highway drainage.
226647	Kingston	0.09 acres	\$2,000.00	Acquired for site distance at intersection.
10975	Waterford	0.38 acres	\$0.00	Acquired for highway drainage.
10983	Waterford	0.09 acres	\$0.00	Acquired for highway drainage.
409813	Waterford	0.03 acres	\$0.00	Acquired for highway drainage.
409805	Waterford	0.21 acres	\$0.00	Acquired for highway drainage
632208	Waterford	0.005 acres	\$0.00	Acquired for highway drainage.
792937	Waterford	0.09 acres	\$0.00	Acquired for highway drainage.
10991	Waterford	0.27 acres	\$0.00	Acquired for highway drainage.
576991	Charlottetown	0.02 acres	\$2,500.00	Acquired for ditch slope.
284778	Hunter River	0.12 acres	\$0.00	Acquired for highway drainage.
284786	Hunter River	0.11 acres	\$1,500.00	Acquired for highway drainage.
20222	Tyne Valley	0.02 acres	\$1,000.00	Acquired for bridge construction.
21089	Tyne Valley	0.03 acres	\$1,500.00	Acquired for bridge construction.
20842	Tyne Valley	0.04 acres	\$2,000.00	Acquired for bridge construction.
20172	Tyne Valley	0.04 acres	\$2,500.00	Acquired for bridge construction.
735274	Stratford	0.02 acres	\$2,200.00	Acquired for site distance at intersection.
101121	Souris	0.08 acres	\$1,500.00	Acquired for highway drainage.
182220	Morell	0.09 acres	\$0.00	Acquired for highway drainage.

40337	O'Leary	1.12 acres	\$0.00	Acquired for highway drainage.
41160	O'Leary	1.12 acres	\$0.00	Acquired for highway drainage.
173898	Vernon Bridge	0.08 acres	\$0.00	Acquired for highway drainage.
398586	Stratford	1.86 acres	\$0.00	Acquisition of new subdivision streets
536185	Stratford	1.92 acres	\$0.00	Acquisition of new subdivision streets
859009	Stratford	0.07 acres	\$0.00	Acquired for highway drainage.
190629	Stratford	1.00 acres	\$0.00	Acquisition of new subdivision streets
Total	25 properties	9.21 acres	\$16,700.00	

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 three Regional Engineers. The main offices for the Eastern, Central, and Western Regions are in Georgetown, Charlottetown and Slemmon Park respectively. The Western Region also has a field office in Alma.

Traffic operations and sub-division development is directed by our Traffic Operations Engineer located in the Charlottetown office. The three regions are managed by two Traffic Operations Managers, one working out of both Georgetown and Charlottetown, and one working out of Slemmon 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 in our Slemmon Park location.

The Charlottetown office is also the work place for the Occupational Health & Safety Manager, staff in Geographic Information System for Transportation, and the Chief Engineer's office.

Planning within Capital Projects emphasized the need for completing work early in the fall under favorable weather conditions, tendering the work in larger projects to improve quality control, and the reduction of overall construction costs. The Capital Projects Division has been concentrating efforts to improve Route 2 where paved shoulders are needed, and dedicating more resources to bridge replacement. The total capital highway and bridge expenditures for FY2009-10 was approximately \$39,505,126.00. The Department's Bridge Maintenance expenditures are covered under the ordinary budget accounts.

Work continued on the eleven Federal/Provincial cost sharing programs at a total cost of 19.7 million. Under the CSIF (Canadian Strategic Infrastructure Fund), 3 projects were completed: New Annan - Travellers Rest, Route 2 - Kensington and Route 2 - Hunter River. Work was also completed under the Infrastructure Stimulus Fund (ISF). These projects were: Slemmon Park Aerospace Boulevard, Tignish-Dalton Ave, Georgetown-Water Street, Charlottetown Perimeter Highway - East, Charlottetown Perimeter Highway West, Oak Drive Overpass, Inverness - Portage. Victoria Bridge Replacement was completed under the New Deals for Cities and Communities (NDC&C) Program

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 three Regional Engineers. They review the deficiencies of the highway system and plan for the upcoming years, considering safety, traffic volumes, surface conditions, truck traffic and other departmental and public concerns relative to each project. 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 Transport Canada through CSIF , ISF and NDC&C.

Capital bridge projects are administered by the staff of the Bridge Section with assistance from the Regional Engineers as required. 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.

The bridge inspection initiative continues to have Consultant Engineers inspect all bridges on PEI every two years.

The highway and bridge tenders and projects carried out in FY2008-09 are shown in the following tables and sections.

Weigh Scale Contract Quantities

The Capital Project staff along with assistance from our Highway Safety Division is 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), 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 met.

SCHEDULE OF TENDERS - HIGHWAYS AND BRIDGES

INFRASTRUCTURE STIMULUS FUNDED PROJECTS

Route 2 - New Annan - Travellers Rest - Tender Closed: February 17, 2009

Curran & Briggs Ltd.	\$484,955.63
Chapman Bros. Construction	\$475,411.13

Awarded to Chapman Bros. Construction

Route 2 - Kensington - Tender Closed: March 26th, 2009

Central Roadways	\$577,654.88
Chapman Bros. Construction	\$559,063.05
Curran & Briggs Ltd.	\$555,404.33

Awarded to Curran & Briggs Ltd.

Route 2 - Hunter River - Tender Closed - April 8th, 2009

Curran & Briggs Ltd.	\$3,280,274.03
Chapman Bros. Construction	\$3,236,641.80
Central Roadways	\$3,159,854.80
Birt & MacKay	\$3,116,664.34
Island Coastal Services	\$2,973,144.92

Awarded to Island Coastal Services

Route 2 - Inverness - Portage - Tender Closed - June 23rd, 2009

Curran & Briggs Ltd.	\$2,609,512.50
Chapman Bros. Construction	\$2,436,120.75
Central Roadways	\$2,394,934.50

Awarded to Central Roadways

Slemon Park - Aerospace Boulevard - Tender Closed - June 23rd, 2009

Curran & Briggs Ltd.	\$467,192.25
Chapman Bros. Construction	\$463,018.50
Central Roadways	\$456,298.50

Awarded to Central Roadways

Tignish - Dalton Ave - Tender Closed - June 23rd, 2009

Island Coastal Services	\$726,120.68
Acadia Construction	\$722,764.94
H.I. Construction	\$673,854.30

Awarded to H.I. Construction

Georgetown - Water Street - Tender Closed - June 30th, 2009

Birt & Mackay	\$3,123,259.31
Duffy Construction	\$3,051,321.53
Kings County Construction	\$2,586,759.26
Island Coastal Services	\$2,516,879.56

Awarded to Island Coastal Services

Charlottetown Perimeter Highway - East - Tender Closed - July 14th, 2009

Birt & MacKay	\$4,914,363.62
Island Excavators	\$4,711,766.85
Island Construction	\$4,574,149.42
Island Coastal Services	\$4,544,572.88
Chapman Bros. Construction	\$4,224,018.75

Awarded to Chapman Bros. Construction

Charlottetown Perimeter Highway - West - Tender Closed - July 14th, 2009

Birt & MacKay	\$2,097,170.25
Island Excavators	\$1,975,862.70
Island Coastal Services	\$1,961,262.45
Island Construction	\$1,899,639.32
Chapman Bros. Construction	\$1,809,626.70

Awarded to Chapman Bros. Construction

Victoria Bridge Replacement - Tender Closed - July 30th, 2009

Highfield Construction	\$1,597,170.75
-------------------------------	-----------------------

Awarded to Highfield Construction

Oak Drive Overpass Extension - Tender Closed - September 17, 2009

Highfield Construction	\$2,056,514.25
-------------------------------	-----------------------

Awarded to Highfield Construction

CSIF REPORT

Job	Km's	Grade	Gravel Base	Asphalt Levelling	Asphalt Base	Asphalt Seal	Reconstruction	To Be Sealed	New Pavement
New Annan - Travellers Rest	1.5			1.5		1.5			
Kensington	1.4	0.3	0.3	1.4	0.3	1.4	0.3		
Hunter River	1.88	1.1	1.1	1.18	1.1	2.28	1.1		
Inverness - Portage	6.7	6.7	6.7		6.7	6.7			
Slemon Park Aerospace Blvd	1.3			1.3		1.3			
Tignish - Dalton Ave	1.4					1.4			
Georgetown - Water St.	0.8	0.8	0.8		0.8	0.8	0.8	0.8	
Charlottetown Perimeter Highway - East	2.1	1.3	1.3	0.5	1.3	0.45	1.3	1.65	1.3

Charlottetown Perimeter Highway-West	2.0	1.5	1.5	1.7	1.5	0.3	1.5	1.7	1.5
Victoria Bridge Replacement	0.37	0.34	0.1	0.2	0.34	0.37		0.37	
Oak Drive Overpass Extension	0.2	0.15	0.15		0.15	0.15	0.15		

2009 Precast Concrete Structure Supply - Tender Closed - February 17, 2009

Betton Brunswick	\$556,082.10
The Shaw Group	\$226,332.70

Awarded to The Shaw Group

Tyne Valley Structure Supply - Tender Closed - February 17, 2009

Atlantic Hy-Span	\$325,471.13
The Shaw Group	\$283,438.05
Maritime Pre-Cast Products	\$225,577.95

Awarded to Maritime Pre-cast Products

Blueshank Road - Tender Closed - February 17, 2009

Central Roadways	\$868,583.10
Curran & Briggs Ltd.	\$862,731.87
Chapman Bros. Construction	\$828,319.54

Awarded to Chapman Bros. Construction

West Devon - Tender Closed - February 17, 2009

H.I. Construction	\$998,881.50
Curran & Briggs Ltd.	\$917,353.50

Awarded to Curran & Briggs Ltd.

Albany to North Tryon - Tender Closed - February 17, 2009

Central Roadways	\$797,905.50
Curran & Briggs Ltd.	\$791,787.15
Chapman Bros. Construction	\$738,218.25

Awarded to Chapman Bros. Construction

St. Peters Road - St. Andrews - Tender Closed - February 17, 2009

Chapman Bros. Construction	727,049.93
Island Construction	713,867.70

Awarded to Island Construction

Kingston Road - Route 235- Tender Closed -February 17, 2009

Chapman Bros. Construction	\$356,417.00
Central Roadways	\$354,417.00
Island Construction Ltd.	\$ 343,121.10

Awarded to Island Construction Ltd.

TCH - Belle River - Tender Closed - February 17, 2009

Chapman Bros. Construction	\$581,252.70
Island Construction	\$557,573.10

Awarded to Island Construction Ltd.

Wood Islands - Route 315 - Tender Closed - Feb 17, 2009

Island Coastal Services	\$1,045,456.63
Chapman Bros. Construction	\$949,286.73
Island Construction Ltd.	\$944,372.10

Awarded to Island Construction Ltd.

Route 2 - Dingwells Mills - Tender Closed - Feb 17, 2009

Birt & MacKay	\$3,081,502.05
Island Coastal Services	\$2,872,629.99
Chapman Bros. Construction	\$2,526,625.50
Island Construction Ltd.	\$2,521,531.41

Awarded to Island Construction Ltd.

Dunedin Structure Replacement - Tender Closed - March 26th, 2009

Central Prince Contracting	\$1,873,295.13
HR Civil Engineering	\$1, 781,037.09
Highfield Construction	\$1,604,289.54

Awarded to Highfield Construction

Route 2 - Northam - Tender Closed - March 26th, 2009

H I Construction Ltd.	\$283,493.70
AJL Ltd.	\$259,594.65
Central Roadways	\$232,314.08
Curran & Briggs Ltd.	\$231,444.68

Awarded to Curran & Briggs Ltd

Route 2 - Wellington- Tender Closed -March 26th, 2009

Chapman Bros. Construction	\$1,318,184.70
Central Roadways	\$1,271,114.25
Curran & Briggs Ltd.	\$1,246,791.00

Awarded to Curran & Briggs Ltd.

Slemon Park - Various Streets - Tender Closed - March 26th, 2009

Central Roadways	\$173,302.50
Curran & Briggs Ltd.	\$138,831.00

Awarded to Curran & Briggs Ltd.

Route 7 - Rustico Road - Tender Closed - March 26th, 2009

Central Roadways	\$690,615.45
Chapman Bros. Construction	\$634,902.45
Island Construction	\$615,728.93

Awarded to Island Construction Ltd.

TCH Route 1 - Hazelbrook - Tender Closed - March 26th, 2009

Central Roadways	\$562,584.75
Chapman Bros. Construction	\$532,285.95
Island Construction	\$510,972.00

Awarded to Island Construction Ltd.

Tyne Valley Structure Replacement - Tender Closed - April 2nd, 2009

Highfield Construction	\$754,808.04
Central Prince Contracting	\$719,590.94
Noye & Noye Ltd.	\$575,301.24

Awarded to Noye & Noye Ltd.

Route 2 - Morell - Bristol - Tender Closed - May 6th, 2009

Birt & MacKay	\$2,062,076.00
Duffy Construction	\$2,003,272.43
Island Coastal Services	\$1,926,832.83
Kings County Construction	\$1,898,479.28
Chapman Bros. Construction	\$1,743,275.37

Awarded to Chapman Bros. Construction

Route 225 - Rosevalley/Stanchel - Tender Closed - May 6th, 2009

Curran & Briggs Ltd.	\$466,339.13
Island Construction Ltd.	\$454,673.26
Central Roadways	\$443,903.94
Chapman Bros. Construction	\$442,527.75

Awarded to Chapman Bros. Construction

Route 2 - Norboro - Tender Closed - May 6, 2009

Island Construction Ltd.	\$337,665.30
Chapman Bros. Construction	\$335,233.50
Duffy Construction	\$323,204.70
Central Roadways	\$316,795.50

Awarded to Central Roadways

Route 225 Kinkora - Tender Closed - May 6, 2009

Island Construction Ltd.	\$581,104.65
Chapman Bros. Construction	\$544,262.25
Curran & Briggs Ltd.	543,302.55
Central Roadways	\$530,686.80

Awarded to Central Roadways

TCH - Cornwall - Tender Closed - May 6, 2009

Island Construction Ltd.	\$267,246.16
---------------------------------	---------------------

Awarded to Island Construction Ltd.

Route 2 -Springfield - Tender Closed - May 6, 2009

Central Roadways	\$233,238.60
Chapman Bros. Construction	\$214,543.35
Curran & Briggs Ltd.	\$213,593.10
Island Construction Ltd.	\$210,910.04

Awarded to Island Construction Ltd.

Norring Road Structure Replacement - Tender Closed - May 6, 2009

Noye & Noye Ltd.	\$576,145.65
Duffy Construction	\$355,342.47
Highfield Construction	\$ 354,449.97
Central Prince Contracting	\$334,984.55

Awarded to Central Prince Contracting

West Point Bridge - Structure Replacement - Tender Closed July 9th, 2009

O'Meara's Heavy Equipment	\$785,430.45
Highfield Construction	\$629,656.65
Noye & Noye Ltd.	\$595,099.80
Central Prince Contracting	\$578,462.32

Awarded to Central Prince Contracting

Midgell Confederation Trail Bridge Replacement - Tender Closed July 9th, 2009

Highfield Construction	\$590,053.80
Noye & Noye Ltd.	\$499,838.32

Awarded to Noye & Noye Ltd.

Oyster Bed Bridge Dredging - Tender Closed - August 5th, 2009

Highfield Construction	\$102,585.00
O'Meara's Heavy Equipment	\$56,175.00

Awarded to O'Meara's Heavy Equipment

Corran Ban Bridge Dredging - Tender Closed - August 5th, 2009

No Bids

Tignish Shore Protection - Tender Closed - August 25th, 2009

Island Coastal Services	\$410,668.13
O'Meara's Heavy Equipment	\$404,154.98
Stewart Enterprises	\$336,561.22
Rockwood Transport	\$314,621.48

Awarded to Rockwood Transport

Kinsmen Road - Tender Closed - August 25, 2009

Curran & Briggs Ltd.	\$ 157,434.90
Central Roadways	\$ 151,226.25

Awarded to Central Roadways

Robertson Road - Tender Closed - August 25, 2009

Island Construction Ltd.	\$ 189,835.28
Chapman Bros. Construction	\$ 183,106.35

Awarded to Chapman Bros. Construction

TCH/ Johnston Drive - Stratford - Tender Closed - August 25, 2009

Birt & MacKay	\$315,664.91
Island Construction	\$293,551.70

Awarded to Island Construction Ltd.

Coleman Corner Bridge Replacement - Tender Closed - August 25, 2009

Central Prince Contracting	\$483,558.39
Atlantic Underground Services	\$314,637.96
Highfield Construction	\$304,494.96

Awarded to Highfield Construction

Morell Bridge Pier Repairs - Tender Closed - September 17th, 2009

Noye & Noye Ltd.	\$521,662.73
Highfield Construction	\$328,041.00

Awarded to Highfield Construction

Corran Ban Bridge Dredging Project - Tender Closed - October 13,2009

G&P Trucking	\$276,300.00
-------------------------	---------------------

Awarded to G&P Trucking

HIGHWAY LIGHTING MAINTENANCE

Tenders Opened: March 19, 2009

Prince County - Various Locations

MacLeod Electric	\$26,111.40
Waites Electric	\$23,500.00

Awarded to Waites Electric

Prince County - Albany Interchange & Borden Carleton Scale House

SCBL	\$13,483.63
Stewart Electric	\$10,413.48
Waites Electric	\$8,700.00

Awarded to Waites Electric

Queens County - Various Locations

Stewart Electric	\$31,362.50
Hansen Electric	\$29,715.00
Capital Electric	\$28,654.50

Awarded to Capital Electric

Kings County - Various Locations

Hansen Electric	\$14,910.00
Foster Campbell Electric	\$12,219.90
Stewart Electric	\$11,607.75

Awarded to Stewart Electric

Eastern Region - Highways & Bridges

	Km's	Grade	Grave l Base	Asphalt Rap	Asphalt Levelling	Asphalt Base	Asphalt Seal	Reconst ruciton	To be Sealed	New Pavement
Souris Main Street	0.80	0.80				0.80		0.80	0.80	
Dingwells Mills, Rte 2	2.00	2.00	2.00			2.00	2.00	2.00		
Morell-Bristol, Rte 2	1.30	1.30	1.30			1.30	1.30	1.30		
Georgetown, Water St.	0.80	0.80	0.80			0.80	0.80	0.80	0.80	
Valleyfield Rd, Rte 326	0.30	0.30	0.30			0.30	0.30	0.30		
TOTALS	5.70	5.70	4.40			5.70	4.40	5.70	0.80	

Central Region - Highways 2009-2010

	Km's	Grade	Gravel Base	Asphalt RAP	Asphalt Levelling	Asphalt Base	Asphalt Seal	Recon-struction	To be Sealed	New Pavement
Rte 235 Kingston Road - Kingston	4.00	0.00	0.00	0.00	2.00	0.00	4.00	0.00	0.00	0.00
Rte 315 Wood Islands Rd - Mount Vernon	3.74	0.00	3.74	0.00	0.00	3.74	3.74	3.74	0.00	0.00
Rte 2 St Peter's Rd - St. Andrews (left lane)	2.09	0.00	0.30	0.00	2.09	0.30	2.09	0.30	0.00	0.00
Rte 1 TCH - Belle River (realignment Grays 0.1)	2.00	0.00	0.10	0.00	2.00	0.10	2.10	0.10	0.00	0.00
Rte 2 - Hunter River (400m Rte #13)	1.88	1.10	1.10	0.00	1.18	1.10	2.28	1.10	0.00	0.00
Rte 7 Rustico Road - North Milton	3.50	0.00	0.00	0.00	3.50	0.00	3.50	0.00	0.00	0.00
Rte 1 TCH - Hazelbrook & Mt Albion	4.16	0.00	0.00	0.00	0.40	0.00	4.16	0.00	0.00	0.00
Rte 2 -Springfield	1.40	0.00	0.00	0.00	0.22	0.00	1.40	0.00	0.00	0.00
Rte 225 - Rose Valley & Stanchel	2.39	0.00	0.00	0.00	2.39	0.00	2.39	0.00	0.00	0.00
Rte 1 TCH - Cornwall (widen Rte 245)	0.71	0.00	0.10	0.00	0.00	0.10	0.91	0.10	0.00	0.00
Rte 1 TCH Johnson Dr - Stratford (left turn)	0.51	0.51	0.51	0.00	0.00	0.51	0.51	0.00	0.00	0.00
Maplewood Road - Kellys Cross	2.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baltic Road - Clyde River (<i>widening</i>)	0.25	0.00	0.25	0.00	0.25	0.25	0.25	0.00	0.00	0.00
Rte 240 North Road - Stanley Bridge	1.10	0.00	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rte 264 Fredericton Stn Road - Springton	1.20	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rte 6 cavendish Rd - Stanley Bridge	0.86	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00
Rte 1 TCH - Victoria (left turn lane)	0.25	0.00	0.25	0.00	0.00	0.25	0.25	0.00	0.00	0.00
New Cove Road - Orwell Cove	2.23	0.00	0.00	0.00	0.00	2.23	2.23	0.00	0.00	0.00

Rte 252 MacLauchlan Road - Covehead	1.75	0.00	0.00	1.75	0.00	1.75	1.75	0.00	0.00	1.75
Scotchfort & Rocky Point	0.91	0.00	0.00	0.00	0.00	0.91	0.91	0.00	0.00	0.00
Rte 25 - York (widening)	4.45	0.00	0.00	0.00	0.00	4.45	4.45	0.00	0.00	0.00
Robertson Road - Mount Albion	1.16	0.00	0.00	0.00	0.00	1.16	1.16	0.00	0.00	1.16
Keppoch Road - Stratford (widening)	0.98	0.00	0.98	0.00	0.00	0.98	0.78	0.00	0.20	0.00
Georgetown Road - Stratford	0.90	0.00	0.90	0.00	0.00	0.90	0.90	0.00	0.00	0.00
Charlottetown Perimeter Highway - East (1.3km 2 lanes to 4 lanes)	2.10	1.30	1.30	0.00	0.50	1.30	0.45	1.30	1.65	1.30
Charlottetown Perimeter Highway - West (1.5km 3 lanes to 4 lanes)	2.00	1.50	1.50	0.00	1.70	1.50	0.30	1.50	1.70	1.50
<i>Post Office Road - Breadalbane</i>	<i>0.30</i>	<i>0.00</i>	<i>0.00</i>	<i>0.30</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Fountain Road - Granville</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>New Orleans Road - St Patricks</i>	<i>1.00*</i>	<i>0.00</i>	<i>0.00</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Bagnall Road - Rennies Road</i>	<i>1.30</i>	<i>0.00</i>	<i>0.00</i>	<i>1.30</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Trout River Road - Millvale</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Buffalo Road - Anglo Rustico (Gravel from CPH East)</i>	<i>1.00*</i>	<i>0.00</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Corrigan Road - Ten Mile House</i>	<i>1.00*</i>	<i>0.00</i>	<i>0.00</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Clarkin Road - Emyvale</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>1.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>
<i>Royalty Junction Road - Winsloe</i>	<i>0.30</i>	<i>0.00</i>	<i>0.00</i>	<i>0.30</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>

<i>Friston Road - Stanhope</i>	1.00*	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Suffolk Road - Suffolk (Salvaged gravel CPH East)</i>	0.50*	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
<i>Portage Road - Ten Mile House</i>	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Joey's Road - East Pisquid (Salvaged gravel CPH East)</i>	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Miltonvale Station - Confederation Trail Arch	2 x 36 metres aluminum culvert liner									
Totals	29.73	1.61	9.20	0.00	14.03	6.10	27.33	5.34	0.00	0.00

Central Region - Subdivisions 2009-2010

Subdivision Name	Street Names	Length (km)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
Beacon Hill - Stratford	Bonavista Avenue Gordon Gay Drive	0.00	0.00	0.00	0.00	0.74	0.00	0.00
Kinlock Creek - Stratford	Trillium Terrace	0.00	0.00	0.00	0.00	0.38	0.00	0.00
	Harvest Drive	0.00	0.00	0.00	0.00	0.80	0.00	0.00
	Saints Crescent Harvest Drive Larkspur Street							
Westwood Hills - Emyvale	Westwood Lane	0.00	0.00	0.00	0.00	0.72	0.00	0.00
Mason - Stratford	Starling	0.20	0.20	0.20	0.20	0.00	0.20	0.20
Primrose Point - Cornwall	Promrose Point Road	0.12	0.12	0.12	0.00	0.00	0.00	0.00
Stonington - Stratford	Southampton Drive Somerset Crescent	0.57	0.57	0.57	0.57	0.00	0.57	0.57
Kinlock Creek - Stratford	Larkspur Street Harvest Drive Lily Court	0.37	0.37	0.37	0.37	0.00	0.37	0.37
Strawberry Hill - Stratford	Strawberry Drive Aspin Crescent	0.45	0.45	0.45	0.45	0.00	0.45	0.45
CENTRAL REGION TOTALS		1.71	1.71	1.71	1.59	1.84	1.59	1.59

Western Region - Highways & Bridges

	Km's	Grade	Grave I Base	Asphalt Rap	Asphalt Levelling	Asphalt Base	Asphalt Seal	Reconst rucion	To be Sealed	New Pavement
Rte 1, Albany-North Tryon	3.00				3.00		3.00			
Rte 107, Blueshank Rd.	3.20				3.20		3.20			
Rte 2, West Devon	1.70	1.70	1.70			1.70	1.70			
Rte 2, Kensington	1.40	0.30	0.30		1.40	0.30	1.40	0.30		
Slemon Pk., Aerospace Blvd	1.30				1.30		1.30			
Rte 2, Northam	0.60	0.30	0.30		0.60	0.30	0.60	0.30		
Rte 2, Wellington	2.10	1.80	1.80		2.10	2.10	2.10			
Rte 225, Kinkora	3.00				3.00		3.00			
Rte 2, Norboro	1.70						1.70			
Rte 2, Inverness- Portage	6.70	6.70	6.70			6.70	6.70			
Slemon Pk, Aerospace Blvd	2.30				2.30		2.30			
Rte 2, Kinsmen Rd	0.60	0.30	0.30			0.30	0.60	0.30		
Cabot Pk Roadways	0.40	0.20		0.20						
Rte 152, Northport	0.40					0.40	0.40			
Tignish Shore Protection		0.20								
Dalton Ave, Tignish	1.40						1.40			
SouWest Road	0.10			0.10						
Tory Road	0.25			0.25						
Ferry Road	0.47			0.47						
Northport Shore Rd.	0.17			0.17						
Higgins Road	0.97			0.97						
Warren Road	0.27			0.27						
George St, Alberton	0.15			0.15						
Gavin Road	0.68			0.68						

Mooreshed Road	1.60			1.60						
Jerry Road	0.50			0.50						
Haywood Road	0.42			0.42						
Palm Lane	0.11			0.11						
Pridham Road	0.36			0.36						
Richard's Pt. Rd.	1.50			1.50						
Gallagher Road	0.27			0.27						
Drummond Road	0.34			0.34						
Craig Road	0.16			0.16						
Dougay Road	0.39			0.39						
Lockshore Road	0.70			0.70						
Maple Plains Road	0.40			0.40						
Clark Road	0.32			0.32						
Schurman's Pt. Rd.	0.32						0.32			
Legion Rod	0.35			0.35						
TOTALS	42.10	11.50	11.10	10.67	18.40	11.80	30.90	0.90	0.00	0.00

Western Region - Subdivisions

Subdivision Name	Street Names	Length (km)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
Heritage Homestead	Gillis Street	.315				.195		
	Iris Court	.125				.125		
	Heritage Drive	.260				.260		
WESTERN REGION TOTALS		0.58				0.58		

Pavement Management Section

The Pavement Management Section, within Engineering Services, administers and manages the resources and services for the four 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.

There were some personnel changes to the Pavement Management Section staff during this fiscal year. The sections Manager of Traffic Data Collection and Analysis left the section in March 2010 to become the Acting Queens County Engineer and the Engineering Technician retired early in 2010. Both positions remained vacant as of March 31, 2010.

Pavement Condition Monitoring System - PCMS

Surface distress data, based on nine distress attributes was collected for the National Highway System and Community Connectors with the exception of approximately 50 kilometres. Data from these nine distress attributes are used to calculate a Surface Distress Index (SDI) for each of the various highway sections within the 1305 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 available for use in the Capital Programming includes traffic volume data and vehicular collision data.

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 was damaged as a result of a vehicle collision in January of 2008 and was finally reinstalled in November of 2009 and is now fully operational.

Hunter River - This site which is actually located in Springvale remains non operational and will most likely not be reinstated until this section of road is rebuilt. The asphalt is in poor condition in this area.

Bedford - Similar to the Hunter River site this site is non-operational and in need of repairs or upgrading. The station is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.

Middleton - This site also is not functioning and is expected to be rebuilt when the road is reconstructed. The asphalt is in poor condition in this area.

Richmond - This site began to experience some sensor problems in the west bound lane in November of 2009. Repairs were expected to be carried out in 2010.

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 3471 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. This is where we make the connection to our counter. These sites are often replaced during road reconstruction. The permanent counter site on Rte 7 was relocated as a result of construction to a location approximately 4 kilometres north.

The Department rehired the same four labourers for the summer season to carry out the Intersection Turning Movement Count program. Hiring the same trained staff is a big benefit to this program. These manual traffic surveys are carried out for 10 hrs a day - 4 days a week. The field data is keyed to ITMS by office staff, stored and available for analysis as an intersection (or other traffic facility) design tool. The crew carried out 99 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 2008 and 2009 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 of March 31st 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 2009 shows an increase of 3.0 %, over the previous year (solely based on the permanent traffic monitoring installations).

2008 - 2009 Comparison Annual Average Daily Traffic Table

Monitoring Sites	Annual Average Daily		Annual % Change
	Traffic - AADT		
	2008	2009	
Tryon*	3,634	0	
North River	20,103	21,684	7.9
Hillsborough Bridge	28,633	28,428	-0.7
Cherry Valley	6,573	6,894	4.9
Marie	2,421	2,567	6.0
Pleasant Valley	5,318	5,286	-0.6
Richmond	4,934	5,170	4.8
Cavendish	1,570	1,801	14.7
Milton - Route 7	1,826	1,857	1.7
O'Leary	1,589	1,554	-2.2
Confed. Bridge	3,928	3,994	1.7
Albany	3,575	3,649	2.1
* Tryon is excluded as the counter was inoperable during most of 2009.			
Annual average provincial traffic growth for 2009 (as a % growth over 2008)			3.0%

DESIGN SECTION

The Design Section provided detailed design, drawings or alignments for approximately 31 highway or bridge related projects during the fiscal year. 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:

<u>Route Number</u>	<u>Area of Design Work Done</u>
Route 1 - Trans Canada Highway	<ul style="list-style-type: none"> - Albany, survey information - Belle River Intersection Re-alignment - Riverside Drive Widening - Victoria - TCH and Nelson St. Intersection - Borden, Gateway Project - TCH-Mason Road Intersection
Route 2	<ul style="list-style-type: none"> - Slemon Park Dr. & Rte 2 intersection - Mischouce - Kinsman Road Intersection - Richmond, Storm Sewer Design - West St. Peter's - MacAdam Road - St. Peter's Corner - Topographic Information - O'Leary Intersection Design

Route 4	- Montague,, Wood Island Road, Douses Road & Valleyfield Road Intersection
Route 6	- North Rustico, Riverside Drive Widening - Stanley Bridge - Four Winds Lane - South Rustico, Rte 6
Route 7	- Oyster Bed Bridge, Rte 7 and Rte 6 Intersection
Route 25	- Covehead, Rte 25 & Rte 6 -Traffic Island Curbs - Stanhope, Rte 25 & Rte 6 -Traffic Island Curbs
Route 109	- Barrett Street, Kensington
Route 111	- Dalton Avenue, Tignish
Route 152	- Northport, Main Street Sidewalks
Route 211	- West Point, Cedar Dunes Park Road
Route 225	- North Wiltshire, Community Hall
Route 311	- Wellington, Mill Road Re-Alignment
Miscellaneous	- Milton, Confederation Trail Culvert Rehabilitation - Slemon Park, Residential Area - Souris, Breakwater Street and MacPhee Ave.

BRIDGES

Bridge construction is shown in the Eastern, Central 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:

<u>Bridge</u>	<u>Work Completed</u>
Rte 1, Oak Drive Overpass	- Bridge extension and deck replacement
Rte 2, Morell Bridge Rte 2, Midgell Bridge (Confed. Trail) Rte 2, Coleman Corner Bridge	- Pier Repairs - Structure Replacement - Deck Repair
Rte 4, Murray River Bridge	- Detailed Design for Future Repairs
Rte 6, Corran Ban Bridge Rte 6, Oyster Bed Bridge	- Dredging Program - Debris Removal Program
Rte 9, Dunedin Bridge	- Structure Replacement Project
Rte 12, Tyne Valley Structure Rte 12, Oyster Creek ridge Rte 12, Kildare Bridge	- Structure Replacement - Structure Rehabilitation/Repairs - Design Services for Future Structure Replacement
Rte 14, West Cape Structure Rte 14, West Point Structure	- Carry Over Work (Road Work) - Structure Replacement
Rte 16, Priest Pond Structures	- Detailed Design for Future Structure Replacement

Rte 19, West River (Old) Bridge	- Investigation Services for Future Design
Rte 20, Darnley Bridge	- Detailed Design for Future Structure Replacement
Rte 116, Victoria Bridge	- Structure Replacement
Rte 152, Montrose Bridge	- Carry Over (Approach Road Work)
Rte 163, Lennox Island Road Structure	- Carry Over (Approach Road Work)
Rte 306, Gowan Brea Structures	- Structure Replacements
Rte 310, Poplar Point Structure	- Structure Replacements
Rte 321, Cardigan Bridge	- Detailed Design for Future Replacement
MMS 41157, Narring Road Bridge	- Structure Replacement

PRE-CAST STRUCTURE PURCHASE

The Department pre-purchased approximately 36 pre-cast concrete arches this year, with a clear span of 6.095m and a clear rise of 3.048 m.

BRIDGE INSPECTIONS AND BRIDGE MANAGEMENT

The Department retained several consultants this year (as well as our own in-house staff) to conduct detailed bridge inspection on 109 bridge structures within the Province. The detailed inspection is to be based on the Ontario Structures Inspection Manual and all inspection teams were given an in depth, full two (2) week inspection course in the fall of 2007.

The first cycle of bridge inspection for all 218 structures was completed in March 2009. The second cycle of 109 bridge inspections was completed in March 2010. This information will be input 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 projects 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.

- Multi Plated Steel Arches
- Timber Boxes
- Concrete Bridge/Timber Extensions
- Sectional Concrete Boxes
- Steel Sheet Piling Bridges
- Timber Pile Bridges
- Steel Pile Bridges
- Corrugated Steel Pipes
- Timber Crib Bridges
- Timber Catch Basins
- Timber Driveway Boxes
- Concrete Span Bridges
- 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 th 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.

MAPPING AND GEOGRAPHIC INFORMATION SYSTEM – TRANSPORTATION (GIS-T)

In the fiscal year of 2009, the Mapping and GIS-T section was involved in a number of on-going and new initiatives.

The annual update of the National Road Network for Prince Edward Island (PEINRN) was completed once again. Besides incorporating all the changes to the road network, the 2009 release marked the final phase of the inclusion of address range components to the database. This phase represented a considerable amount of effort as all potential or actual ranges of addresses had to be determined along each public and private road in the province. This information will increase the functionality of the digital centreline allowing it to be more widely used.

The project to create a GIS database to map and manage the provincial Road Access Regulations progressed this year. Using current information, all coding of road classes were completed. Those with incorrect or questionable designations were assigned a temporary class. A collection of hundreds of maps were then prepared for maintenance zone supervisors highlighting roads that needed clarification. More work will now begin to recognize the proper classes of provincial roads and to have the database recognized as being official.

The GIS-T section continues to preform mapping, data analysis and data collection services for the department and to a limited degree beyond the department.

MATERIALS AND SOILS SECTION 2009

Asphaltic Concrete

A total of 11 asphalt mix plants were engaged in the production of asphaltic concrete. All of the mix was produced from drum mix plants. A total of 298713.6 tonnes of asphaltic concrete was produced in 2009. 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 eleven plants to control the quality of the mix produced. A total of 983 asphalt mix samples were collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 303.9 tonnes of asphalt mix produced. A total of 476 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

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.

Type of Test	No. of Tests
Sieve Analysis Aggregate	1151
Sieve Analysis Extractions	1221
Specific Gravity	200
Soundness	22
Abrasion	14
Crush Count	14
Sand Equivalent	14
Flat & Elongated Particles	14
Uncompacted Voids Fine Agg Aggregate	9
Micro-Deval	28

In addition 42 Marshall and Superpave mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents. Also, there were 25 Stripping Mixes carried out to determine the extent of stripping from the various aggregate sources. Also 30 stripping tests were carried out on cores cut from various contracts in 2009

Asphalt Cement

Asphalt cement specification compliance testing was performed on Performance Grade 58-28 and Polymer Modified 64-28 asphalt cement. A total of 22 samples were taken.

Type of Test	No. of Tests
Specific Gravity	22
Penetration	2

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 748 samples were processed during the year.

Type of Test	No. of Tests
Sieve Analysis	748
Moisture-Density	65
Compaction Test	4996
Specific Gravity	22

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 calibration of sand blenders, on site monitoring and production sampling from both the blenders and from stockpiles. A total of 538 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 157 samples were obtained from 7 different projects. Gradation analysis and insitu moisture contents were determined for all samples. In addition, 14 atterberg limit tests, 10 hydrometer analysis and 23 organic indicator tests were performed.

Concrete

Testing and inspection services were provided for the following Projects:

CPH East	Morell Rte 2
Tignish Dalton Ave.	Georgetown Water St
Rte 2 Hunter River	Gowan Brae Bridge
Popular Point Bridge Structure	IWMC Wellington
Victoria Bridge Structure	Tyne Valley Bridge
Coleman Corner Bridge Deck	Midgell Confederation Bridge
Oak Drive Overpass	
Souris Main Street	

A total of 420 concrete test cylinders were tested for compressive strength. In addition 429 slump tests and 429 air content tests were performed.

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. A price adjusted smoothness specification was implemented on selected contracts.

EASTERN/CENTRAL REGION TRAFFIC OPERATIONS

Highway Signage

Installation and maintenance of highway signs were carried out by one full-time sign crew based out of Souris, 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. Instances of isolated vandalism continues to be a problem as well as theft of both private and public road signs.

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 8 signs that were damaged or faded were replaced. There were 73 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, 22 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 427 kilometres of arterial highway. Edge lines were painted on approximately 34 km of arterial highway and 95 kilometres of Collector Highways. Department crews also painted streets in the Cities of Charlottetown and Summerside. The Department purchased and put into service a new paint truck, capable of painting both white and yellow, The Department now has two trucks capable of painting both colours.

Intersections in the region were re-painted by the intersection marking crews, based out of Kings County and Queens County.

Highway Lighting

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

Area Lighting in the region was improved at 4 intersections by adding extra lighting units. These intersections were: Route 1 and 265, Upper Meadow Bank Road, Route 2 and 9 in Brookfield, Route 2 and 226 in Brookfield and Route 2 and 22 in Mount Stewart. North River causeway/bridge was also improved by the addition of 8 150 watt High Pressure Sodium units.

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 T&PW striping truck and the shoulder lines were applied by the smaller T&PW striping truck. Centerline marking was applied to approximately 800 km of existing highway, and 40 km of asphalt resurfacing, and 26 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.

Highway Lighting

Highway lighting is maintained under two maintenance contracts: Prince County was maintained by Waite's Electric and the Albany Interchange/Borden Carleton scale house was maintained by Waite's Electric. Maintenance of traffic signals, flashing beacons and other lighting was carried out as required. Flashing beacons, lighted barricades and message boards were used for detours and in advance for the major highway construction projects.

New High Pressure Sodium Fixtures (150 watt) were installed as follows:

- Rte 2 and Rte 120 - 1 HP
- Rte 2 and Rte 132 - 4 HP (were added)
- Rte 2 and Kinsmen Rd - 3 HP
- Rte 2 and Rte 134 - 3 HP
- Rte 2 and Conway Road -3 HP
- Rte 2 and Gillis Rd.
- Rte 2 and Day's Corner - 8 HP
- Rte 2 and Rte 233 - 2 HP
- Rte 2 and Rte 108 - 1 HP
- lighting to the Parking Lot in Miscouche,

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 SHOP

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. We have one full-time casual position, and a rotation of four other casual employees, as well as a rotation of two casual employees filling one position in our carpentry shop area.

The following is a breakdown of signage produced:

	Prince	Queens	Kings
Directional	76	70	113
Public Road Names (911)	106	40	106
Private Road Names (911)	23	27	21
Regulation and Warning	768	236	112
Route Assemblies	75	378	174
Community	17	8	34
Street Signage	13	12	36
HISS	21	40	39
Construction	193	9	0
Totals	1292	820	635

Un-invoiced Signage within our Department

Signs sent to Charlottetown Stock	2347
Construction Signs sent to Charlottetown Stock	581
Construction Project Boards	30
Build PEI Boards	46
Federal Stimulus Boards	46
Specialty Signs within Department	121
Government Garage requested signage	83
Public Works Name Plates	226
Public Works Other Signage	<u>45</u>
Sub-Total	3525

Invoiced Signage

Other Departments	267
Parks Canada	139
Public Works	3
Rails To Trails	180
Rails Delineators	1800
Municipalities	209
Construction	189

Other Companies	7
sub-total	2794

Totals

Prince County	1292
Queens County	820
Kings County	635
Unvoiced signs	3526
Invoiced signs	2794
Grand Total of Signage Produced	9066

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

- Provide general management and maintenance of the Department, Heavy equipment and Corporate fleet. Provide maintenance of the Department of Education Bus fleet. Provide general management of Government owned Corporate fleet.
- Provision of skilled operators and Department operations.

Confederation Trail Maintenance

- Maintenance and superintendence of all maintenance carried out on 396 km 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 were 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 Ltd. was awarded the contract for supplying the corrugated steel drainage pipe and Campbell's Concrete was awarded the contract for supplying the polyethylene drainage pipe. 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:

	Corrugated Steel	Polyethylene
Atlantic Hy-Span Limited	\$40,987	---
Campbell's Concrete	---	\$404,678

The following length of pipe was purchased by the Highway Maintenance Division for the year.

Pipe Diameter	Central Region	Western Region	Eastern Region
Corrugated Steel	(Metres)	(Metres)	(Metres)
400 mm	30	0	0
500 mm	30	0	0
600 mm	0	30	0
800 mm	3	27	0
900 mm	0	36	0
1200 mm	43	0	0
TOTAL	106	93	
Polyethylene	(metres)	(metres)	(metres)
300 mm	1,238	488	226
375 mm	2,182	1,426	415
450 mm	1,951	1,433	396

600 mm	829	1,664	286
750 mm	0	30	18
900 mm	40	46	0
1200 mm	24	55	0
TOTAL	6,264	5,142	1,341

Note: Figures do not include length of pipe acquired by Capital Projects.

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

Pipe Diameter	Central Region	Western Region	Eastern Region
<i>Corrugated Steel</i>	(Metres)	(Metres)	(Metres)
300 mm	4	26	2
400 mm	22	19	3
500 mm	92	77	24
600 mm	28	120	26
800 mm	12	35	0
900 mm	23	9	0
1200 mm	27	0	0
TOTAL	208	286	55
<i>Polyethylene</i>	(metres)	(metres)	(metres)
300 mm	1,310	452	320
375 mm	1,942	1,385	821
450 mm	1,880	1,475	686
525 mm	15	0	158
600 mm	836	1,488	153
750 mm	91	111	37
900 mm	70	49	0
1200 mm	55	24	0
TOTAL	6,199	4,984	2,175

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

Type of Installation	Central Region (metres)	Western Region (metres)	Eastern Region (metres)
New Installations	2,142	932	582
Replacement	3,109	3,118	1,262
Extension	137	70	46
Cross culvert	307	470	264
Confederation Trail	453	290	0
Water Problems	213	390	0
Relocate	46	0	73
TOTAL	6,407	5,270	2,227

Note: Figures do not include length of pipe 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 2009-2010 the Department sealed approximately 61,000 metres of cracks, using a total of 6,300 kgs 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
 - Operators
 - Road Patrol
 - Dispatch
 - Supervisor

- 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 800 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 the last week in May to the last week in October. A total of 19,285.28 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 4,020.49 tonnes. The Department spreader crew re-surfaced 14.3 kilometres of badly distressed pavement with 9,707.09 tonnes of asphalt. Private contractors supplied/placed 5,557.70 tonnes of asphalt over 6.4 kms.

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

SUPPLIERS	TONNES
Chapman Brothers Construction, Ltd.	13,426.44
Matheson & MacMillan	2,515.09
Pauley's Construction	3,343.75
Total	19,285.28

Resurfacing

The following roads were resurfaced with a 45 mm lift of asphalt using Department equipment and personnel:

Kings Zone K-2

Road Name	Kilometres
Byrnes Road (Rte. 322.01)	1.00
Settlement Road (#23047)	1.00
Cable Head W Rd (Rte. 336.01)	0.50
Selkirk Road (Rte. 309.01)	0.90
Strathcona Road (Rte. 312.01)	1.00
Total Kms	4.40

Kings Zone K-3

Road Name	Kilometres
Burnt Point Road	0.50
Cardigan Road	0.50
Peakes Road	1.50
Launching Road	0.90
Bruce Point Road	0.20
Total Kms	3.60

Kings Zone K-4N

Road Name	Kilometres
French Creek	0.60
Heatherdale, Rte 316	1.30
Panmure Island Road	1.00
Total Kms	2.90

Kings Zone K-4S

Road Name	Kilometres
MacLure Pond Rd. (#53120)	0.80
Peters Rd. (Pembroke Rte. 324)	0.70
Glenwilliam Rd. (Rte. 324)	1.00
Gladstone Rd. (Rte. 348)	0.60
Guernsey Rd.	0.30
Total Kms	3.40

The following roads were resurfaced by private contractor, Chapman Brothers, through supply and place contracts:

Kings Zone K-1

Road Name	Kilometres
Fortune	1.00
Gallant Subdivision	0.50
MacKinnon Pt. Rd. (#13135)	0.70
Red Pt. Park Rd. (#13133)	0.60
Baltic Rd. (Rte. 302.01)	0.70
Rock Berra (Rte. 016.04)	1.80
Total Kms	5.30

Kings Zone K-2

Road Name	Kilometres
Clay Rd. (Rte. 328)	1.10
Total Kms	1.10

Total number of kilometres resurfaced in the Eastern Region: 14.3 kms by Department forces plus 6.4 kms by private contractors for a total of 20.7 kms.

Bush Cutting

During the season, three Government mechanical bush cutters cut bushes along 488 kilometres of highway. The Division also used Maintenance crews with mechanical brush chippers to trim and brush cut selected areas where mechanical bush cutters could not reach.

Road Maintenance

During the year, eight graders in the county carried out grading services on the unpaved road network. This included 280 km of seasonal roads and 142.5 kms 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)
10,774	3,419	372

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

Culverts

On the Eastern Region 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.

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 kms of road in the Eastern Region. One private grass cutter, equipped with a rotary mower, maintains 120.2 kms 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 1,380 kms throughout the Eastern Region.

Shoulder Material

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

Dust Control

Maintenance crews used 397 forty-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. Approximately 135,000 litres were used to treat approximately 98 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 (by hand)
Anselm MacDonald	0.60						
Basin Head (Kingsboro)	0.21			0.21			0.04
Big Pond							0.15
Black Pond	1.80				0.23		
Bull Creek North			0.18				
Bull Creek South	0.50		0.04				0.10
Clear Springs							0.65
East Baltic				0.20			
East Road (Chepstow)	1.20						

East Road (Little Harbour)					0.20		
East Road (Red Point)	0.75						
East Tarantum							1.70
Eglington							0.35
Father James							3.40
Fortune Road		1.10					4.10
Fortune Harbour Road	0.04						
Fountainhead			0.08				
Glen			0.04				
Greenvale					0.04		0.70
Hermitage	0.60						0.03
Heritage							2.00
Howe Point	0.10	0.10	0.10		0.13		
Hughie Joseph				1.00			0.03
Kitson	0.20						0.08
Kitson Road (Souris Line Rd)		0.55					
Lakeville (North Side)							0.05
LaPierre Lane				0.08			
Little Harbour (Beach Rd)	1.50						
Longaphie	0.08						
Manning	0.85		0.50				
Munn's							0.03
Naufrage							0.65
New Harmony			0.05				0.02
North Side Rd (Cross River)		0.05					
North Side Rd, St. Margarets							0.35
Priest Pond							0.51
Red House							0.45
Red Point Park Road	0.60						
Rock Berra							1.30
Rollo Bay (Rte. 002)	2.00						

Souris Line	0.06						
Souris River	0.08						
Souris West (Rte. 002)		0.40					
St. Charles					0.30		1.08
St. Margarets (intersection)							0.80
Total	11.17	2.20	0.99	1.49	0.90	0.00	18.57

Kings Zone K-2 Eastern Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Anderson Road		0.10					
Barr Road			0.40		0.30		
Barry Road			0.20				
Bennett	0.20					0.10	
Cable Head West	0.20						
Cameron				0.20			
Canavoy		0.30			0.30		0.30
Cemetery Road	0.10						
Church Road	0.10				0.20		
Clay Road	0.10						
Hatchery Road			0.30				1.00
Indian Bridge Road	0.30						0.30
Kenovan			0.20				
Klondike			0.40		0.20		0.30
Lighthouse Road							0.40
MacEwen			0.30				0.30
MacLaren			0.20				1.00
MacLeod Road	0.20						
MacMillan Road			0.40		0.10		
Marsh Road	0.10						
Mill Road	0.20						
Mount Hope Road	0.20				0.50		
St. Patricks Road					1.00		2.00

in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Skunk House Road			0.10				
Turret Bell Road			0.30				
Upton Road		0.30					0.20
Whitty Road	0.10						
Total	1.80	0.70	2.80	0.20	2.60	0.10	5.80

Kings Zone K-3 Eastern Region - Maintenance Activities

in kilometres							
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by Hand)
Annandale					0.70		
Baldwin Road					0.04		
Beach Road		0.25					
Brothers		0.30					
Bruce Point Road				0.10			
Campbell Road		0.09	0.09		0.09		
Cardigan				0.50			
Collins							0.08
County Line		0.10					
Cumberland					0.60		
48 Road				0.30	0.04		
Greenhill Loop		0.30					
Honeybee Lane		0.25					
MacDonald		1.20			0.90		
MacKenzie							0.30
Mair				0.50			
Martell							0.70
Martinvale (Rte. 321)							0.08
Mosquito Creek Road		0.15			0.15		
New Road			0.10				
Perth Station			0.80		0.80		

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by Hand)
Poole							0.06
Primrose (Launching)				0.90			0.10
Reid Road		0.60					
Robertson	1.00				0.07		
Seven Mile Rd. (Bridgetown)				0.90			
Town Road							0.50
Total	1.00	3.24	0.99	3.20	3.39	0.00	1.82

Kings Zone K-4N Eastern Region - Maintenance Activities

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by Hand)
Angus Lane		0.10					
Brooklyn Road							0.20
Brudenell Point Road					0.10		
Cambridge Road					0.10		
Compton Road	0.10				0.20		
County Line Road					0.40		
Dalmaney Road					0.30		
Jack Westaway Road		0.60					
Loane Road		1.00					
Lower Montague Road					0.10		
Milltown Cross Road							1.00
Shore Road					0.25		
South Montague Road							2.00
Thornton Road			0.20				1.00

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by Hand)
Valleyfield Road							1.00
Whim Road					0.20		0.50
Wood Islands Road							5.00
Total	0.10	1.70	0.20	0.00	1.65	0.00	10.70

Kings Zone K-4S Eastern Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Black Brook Road		0.10					
Buell Road			0.20				
Cape Bear Road					0.05		
Girl Guide Camp Road		0.10					
Gladstone Road					0.10		2.00
Greek River Road							3.80
Grey's Road			0.50				
Guernsey Cove Road					0.35		
Livingstone Road			0.20				
MacFarlane Road			0.10				
Pembroke Road		1.00					1.00
Spring Road					0.50		
Total	0.00	1.20	1.00	0.00	1.00	0.00	6.80

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 6,227 tonnes of salt purchased for salt-only and 50/50 mix for ice control. The Region also purchased 1,830 tonnes of salt to blend with its winter sand. The Region purchased 20,258 tonnes of blended sand. 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 seven (7) sites throughout the Region. An additional 9,172 tonnes of additional blended sand (reserve) was required to re-charge the winter sand piles during the 2010 season.

Ice Control

Ice control on sections of Highway 2, 3, 4 and 16, as well as Souris and Montague main streets, including 148.9 kilometres of road, were maintained by direct salt application.

Sanding Operations

Approximately 1,041 kilometres of secondary roads were maintained with blended winter sand/salt applications. Sanding operations were carried out by 14 sanding contractors using Department installed hoppers and spreaders. Winter sanding contractors are in the fourth year of a 5-year contract.

Snowfall Records

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

Station	Alliston	Morell	Kingsboro
Annual Total (km) Snowfall	139.2	199.6	133.0

Snow Fence Report

The Department installed approximately 5,433 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Snow Removal Contracted Services

The following is a breakdown of the contracted snow removal services for the third year of a 4-year contract with private contractors.

Contractor	Kms Plowed
Chapman Bros.	128.1
Francis MacLean	31.5
G & P Trucking	88.0
Kenny MacLeod	109.7
Kings County Construction	88.1
TOTAL	445.4

The Department was responsible for plowing 824.10 kilometres of highway. To this end, 24 plow routes and four snow blower areas currently exist. The following is a breakdown of the kilometres for which the Department was responsible for plowing:

Eastern Region

Location	Kms	Graders	Blowers	Loaders	Truck
South Lake	27.9	1			
Bayfield	24.0	1			

Location	Kms	Graders	Blowers	Loaders	Truck
St. Charles	34.3				1
Bangor	29.0				1
Forest Hill	26.8	1			
Savage Harbour	22.7			1	
Morell	37.1		1		1
St. Teresas	27.7	1			
Bridgetown	28.7				1
Georgetown	32.8				1
Annandale	31.1				1
Strathcona	30.9	1			
Cardigan	25.5	1			
Little Pond	32.2	1			
St. Georges	42.0				1
Montague	32.0				1
Whim Road	47.9				1
Murray River	41.5				1
Morell East	22.3				1
Guernsey Cove	33.9	1			
Hopefield	41.1				1
Gaspereaux	46.0				1
Souris	23.3		1		1
Sturgeon	53.5				1
Cardigan	18.1		1		
Murray River (streets)	11.8		1		
Total	824.1	8	4	1	15

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

CENTRAL REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the last week in May to the last week in October. A total of 39,041.37 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 operating and capital maintenance budget. Hand patching crews spread 4,905.76 tonnes. The Department spreader crew re-surfaced 31.70 kilometres of badly distressed pavement with 23,613.77 tonnes of asphalt. Private contractors supplied/placed 10,521.84 tonnes of asphalt over 13.10 kms of road.

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

SUPPLIERS	TONNES
Island Construction	20,938.89
Central Roadways	5,032.37
Cecil Pauley Construction Ltd	4,746.12
Chapman Bros Ltd.	8,074.72
Curran & Briggs Limited	249.27
Total	39,041.37

Resurfacing

The following roads were resurfaced with a 45 mm lift of asphalt using Department equipment and personnel:

Queens Zone Q-1

Road Name	Kilometres
Point Prim	1.00
Roseberry	1.30
Glashvin	0.70
Murray Harbour Road	1.00
Uigg Road	1.20
MacPhail Park	0.80
Riverview Crescent	1.20
Wiesner Mill Road	0.50
Waterside	0.35
Cherry Valley Cove Road	0.40
Total Kms	8.45

Queens Zone Q-2

Road Name	Kilometres
Rankin Subdivision	0.25
Holland Drive	0.25
Keppoch Road	1.35
Heron Drive	0.30
Total Kms	2.15

Queens Zone Q-3

Road Name	Kilometres
Bedford Road	1.6
Donaldston Road	1.1
Lower Marshfield	0.6
Suffolk Road	0.2
Kilkenny Road	0.5
Ebenezer, Rte 224	2.0
Winsloe Rd	0.4
Union Rd	2.2
Pleasant Grove	2.0
Tarantum Road	2.0
Total Kms	12.6

Queens Zone Q-4

Road Name	Kilometres
Winsloe Road	0.7
Bannockburn Road2	2.0
Rte. #19, Fairview	1.8
Loyalist Road	0.9
Clarkin Road	1.0
Total Kms	6.4

Queens Zone Q-5

Road Name	Kilometres
Crabbe Road	0.7
Art Ford Crossroad	0.5
Johnston Road	0.9
Total Kms	2.1

The following roads were resurfaced by private contractors, Central Roadways and Island Construction, through supply and place contracts:

Queens Zone Q- 2

Road Name	Kilometres
Kinlock	0.70
Total Kms	0.70

Queens Zone Q-4

Road Name	Kilometres
Old Post Road	0.7
Kingston	2.0
Upper Meadowbank	0.85
Meadowbank Road	1.4
York Point Road	0.9
Total	5.85

Queens Zone Q-5

Road Name	Kilometres
Church Road	0.8
Fountain Road	0.6
North Road	0.5
New Glasgow	1.0
New Orleans Road	1.0
Lantern Hill	0.65
Reid Road	1.0
Cymbria	1.0
Total	6.55

Private contractors supplied/placed 10,521.84 tonnes of asphalt over 13.10 kms of road. Total number of kilometres resurfaced in Central Region: 31.70 by Department forces.

Bush Cutting

During the season, two Government mechanical bush cutters cut bushes along 509 kilometres of highway. The Division also used a Maintenance crews with mechanical brush chippers to trim and brush cut selected areas where mechanical bush cutters could not reach.

Road Maintenance

During the year, eight graders in the county carried out grading services on the unpaved road network. This would include 265 km of seasonal roads and 173 kms 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)
32,164	17,829	463

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

Culverts

A number of drainage problems were corrected on the Central Region road network. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required.

Guiderail 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 zone.

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 60 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 296,750 litres was used to treat 153 kilometres of road.

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

Queens Zone Q-1 Central Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting by Hand
Trans Canada					0.20		
Point Prim Road		0.10			0.20		
McAulays Wharf							0.20
Gillis Road							
County Line Road		0.30					
Dundee Road							
Klondike Road		0.10	0.30				
Gairloch Road		0.10					
Kinross Road				0.10			
Garfield Road		0.20					0.30
Oceanview Road							0.20
Rte.#3, Vernon River							0.20
Rte. #3, Millview							0.10
Storey Road			0.10				1.00
Beech Hill Road							0.30
Irving Road					0.20		
Camp Buchan Road		0.20					
Newtown Road					0.10		0.20
Seal River Road	0.10	0.20					
Murray Harbour Road				0.30	0.20		
Avondale Road					0.10		
Center Road	0.50						
Settlement Road	0.10						0.30
Village Green		0.20					0.30
New Cove Rd.	0.20						
Penn Point							
48 Road					0.20		0.40
Cullodden Road		0.30		0.30			
Dugan Road		0.30					

Angus J MacLean		1.20		1.20	1.20		1.20
New Cove Road		0.10	0.20				0.20
Iona Road							6.00
Selkirk Road				0.10			7.00
Wood Islands Day Park		0.50					
Lord Selkirk Park Rd	0.10						
MacPhail Park Road		0.10		1.00			
Horton Rd		0.30	0.10				
Lyndale Rd							3.00
Panting Shore Rd					0.10		
Riverview Cres				0.20			
Henry Ln							1.00
Roseberry							0.20
Nickleson Rd		0.20					
County Line Rd	0.30						5.00
Big Point Rd	0.10						
Total	1.40	4.40	0.70	3.20	2.50	0.00	27.10

Queens Zone Q-2 Central Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting by Hand
Aptos Drive					0.10		0.10
Clifton Road				0.10			
Kinlock Road	0.05		0.05		0.15		
Keppoch Road	1.20			1.20			
Marion Drive				0.10			
Mt. Herbert Road				0.20			
Bethel Road					0.05		0.20
Bunbury Road					0.05		
Duffy Rd			0.20		0.20		0.30
Owen Lane	0.10	0.10	0.10		0.10	0.05	0.05
Fort Augustus Rd					1.00		1.20
Total	1.35	0.10	0.35	1.60	1.65	0.05	1.85

Queens Zone Q-3 Central Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting by Hand
Bedford Road			3.00	0.25			
Blooming Point Road				0.25			
Donaldston Road			1.00				
Fort Augustus Road					1.00		
MacKinnon Pt. Road					0.15		
Millcove Road				0.85			
Monaghan Road				0.50			
Pisquid Road					0.30		
Pt. DesRoches Road			0.75				
Watts Road			0.25				
Portage Road					0.20		
Old Cardigan Road					0.25		2.00
Fanning Brook Road					0.20		
Beach Road			0.20				1.00
MacDonald Road			0.30				
MacIntyre Shore Road			0.20				
East Suffolk				0.40			
Fristen Road	0.25						
Gurney Road		0.20					
MacMillan Point Road	0.30						
Normandy Lane	0.20						
Pleasant Grove Road				2.00			
St. Peters Road					0.30		
Suffolk Road	0.25	0.30			1.75		
McInnis Road	0.15						
Union Road				1.50			
York Road						0.30	
Royalty Junction Road	0.30						
Rustico Road							0.50

Anderson Road			0.30				
Dougan Road		0.15					
Kilkenny	0.50						
Creek Road							0.40
Savage Harbour Road							0.25
Total	1.95	0.65	6.00	5.75	4.15	0.30	4.15

Queens Zone Q-4 Central Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by Hand)
Callaghan Road							1.00
Ferry Road				0.20			
Kingston Road				1.00			
Loyalist Road				1.00	0.15		
Mill Road							0.30
Meadow Bank Road				0.25			
North York Point Road				0.40			
Rice Point Road						0.10	
Rt 19 Rocky Point							0.20
TCH DeSable				0.55			
Warren Grove Road				0.15		0.10	
West River Road				1.50			
Wharf Road	0.10						
York Point Road				0.15		0.20	
Kinkora Road				1.50			0.20
Kingston Road				0.40			
Johnston Road				0.20			
Maplewood Road		2.50			2.50		1.50
Peters Road					0.15		
Clarkin Road	0.75						
Callaghan Road		0.10					
Ross Road							

Collette Road	0.10						1.00
Colville Road				0.50			
Argyle Shore Road				0.30			
Rice Point Road				0.20	0.20		
Riverdale Road				0.10			
TCH New Haven				0.20	0.10		
South Melville Road				1.65			0.20
Appin Road				0.15			
Clyde River Road				0.20			0.15
Quinn Road			0.20				
Sheepskin Road			0.20				
Cameron Road 22135		0.15					
Wynn Road				0.10			
St. Catherines Road			0.15				0.40
Mill Hampton Road	0.10						
Shaw Wharf Road	0.10						
Elliot River Road	0.20						
MacDonald Rd							0.90
Farrar Road			0.20				0.20
Todd Road			0.20				0.30
McCourt Road							
Balagalava Road	0.40		2.00		2.00		0.40
Inkerman Road				0.50			
Leards Mill Rd				0.15	0.10		
Nelson Street				0.15			
Shore Road				0.15			0.25
Rte 13				1.15			0.30
Green Road							2.00
Total	1.75	2.75	2.95	12.80	5.20	0.40	9.30

Queens Zone Q-5 Central Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by Hand)
Bagnall Road	0.30						
Hazel Grove					0.10		
Long River East			0.10				
New Road			0.10				
Rte. 20							0.10
Snowie Rd.	0.40						
Pickering Road	0.40						
North Road			0.10		0.10		
Marks Road			0.40				
Burlington Road	0.30						
Wharf Road, Long River	0.30						
McCourt Road			0.05				
Smith Road			0.10				
Irishtown Road	0.05	0.05					
Millvale Road	0.05	0.05	0.05				3.00
Wharf Rd (South Rustico)			0.20		1.00		
Toronto Road			0.90				
Eddy Murphy Road			0.05				
Millman Road							0.10
Millboro Road	0.10						
Houston Road			0.10				
Princetown Road							0.10
Woodside Rd.	0.03	0.02					
Broadway	0.05						
Long River West		0.03	0.02				0.10
Buffalo Road	0.80		0.80				
Mill Road	0.10						0.10
Trout River Road	1.00						
New Orleans	0.05	0.05	0.05		0.05		

Howard Rd			0.80		0.80		
Breadalbane Rd			0.10		1.50		
Total	3.93	0.20	3.92	0.00	3.55	0.00	3.50

CENTRAL REGION: WINTER MAINTENANCE

Winter activities in the 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 22,543.31 tonnes of salt purchased for salt-only and 50/50 mix for ice control. The Region purchased 2,739.02 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 11 sites throughout the Region. 40,504.70 blended winter sand was purchased for use in the Region. An additional 9,378.34 tonnes of blended sand was required to re-charge the winter sand piles during the season.

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 two 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 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 22 sanding contractors using Department installed hoppers and spreaders. In addition, five Department trucks were utilized to provide service on Route #225, Warren Grove to Hartsville, Route #235 North River to Kingston. Winter sanding contractors are in the fourth year of a 5-year contract.

City of Charlottetown

The Department carried out snow and ice control on 23 kilometres of main streets in the City. The City of Charlottetown purchased 6,399.35 tonnes of salt and 28.01 tonnes of blended sand but did not purchase any mixed sand (70% sand and 30% salt) from the Department.

Snowfall Records

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

Station	Charlottetown	Elmwood	New Glasgow
Annual Total Snowfall (cm)	202.2	243.0	221.6

Snow Fence Report

The Department installed approximately 6,720 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Snow Removal Contracted Services

The following is a breakdown of the contracted snow removal services for the third year of a four-year contract with private contractors.

Contractor	Kilometres Plowed
AK Construction East	65.1
Birt & MacKay	81.2
Cecil Pauley Construction	61.8
Duffy Backhoeing & Trucking	27.0
Island Construction	130.5
Island Excavators	97.5
Maritime Construction	111.0
Matheson Construction	99.9
Matheson & MacMillan	95.9
North Shore Trucking	61.6
Total	831.5

The Department was responsible for plowing 775.7 kilometres of highway. To this end, 24 plow routes and seven blower routes were established. The following equipment was assigned and located as follows:

Central Region

Location	Kilometres	Graders	Blowers	Loaders	Trucks
TCH West	31.1				2
St. Peters Rd	39.3				1
TCH East Charlottetown - Orwell	21.1				1
TCH East Orwell - Wood Islands	31.3				1
By-Pass Charlottetown	15.2				1
Charlottetown Rte.2 - Summerfield	35.0				2
Route 225 - Route 235	30.9				1
DeSable, South Melville	38.0				1
Rustico Rd., Mayfield	42.2				1
Rocky Pt., Meadowbank Rd. Cornwall Rd.	36.5				1
Vernon, Kinross, Newtown	42.0				1
Selkirk Rd., Iona Rd., Oceanview	46.2				1
Central Rd., Murray Harbour Rd., Rte. 315	39.5		1		1

Location	Kilometres	Graders	Blowers	Loaders	Trucks
New London, Stanley Bridge, Cavendish	37.4	1	1		
Cornwall, North River	47.2	2		1	
Rice Pt & Rocky Pt.	17.0	1			
Stratford	73.3	1		1	3
Earnscliffe & Millview	25.4	1			
Pt. Prim, Pinette	35.4	1			
Rustico	19.0			1	
Charlottetown Mains	29.4				2
Pownal, Crossroads	29.4				1
Garage Parking Lots				1	
Government Building Lots				2	
Meadowbank, Upton Rd., Off Ramps	5.4				1
By-Pass, Off Ramps, Hospital Entrance	8.6				1
Central Region (used where needed)			4		
Spares		1	1	1	4
TOTALS	775.7	8	7	7	27

WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the last week of May until the last week of October. A total of 34,729.77 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 5,326.42 tonnes. Private contractors supplied/placed 29,403.35 tonnes of asphalt over 42.5 kilometres.

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

SUPPLIERS	TONNES
Curran & Briggs Ltd	18,220.00
HI Construction Ltd	16,509.77
Total	34,729.77

Prince Zone P-3

Enmore Rd	0.50
Beaton Rd	0.60
Northam Rd	1.53
Richards Rd	0.40
Total Kms	8.43

Prince Zone P-4

George Street	0.30
Blanchard Rd	0.50
Ferry Rd	0.50
Greenmount	2.30
Kildare	1.00
Anglo	0.50
Peters Road	0.95
Ascension	0.60
Haywood Road	1.70
Pridham Road	0.54
Miminegash	0.50
Nail Pond	0.75
Total Kms	14.78

Total number of kilometres resurfaced in Western Region: 42.5 kms by private contractors.

Bush Cutting

During the season, three Government mechanical bush cutters cut bushes along 496 kilometres of highway. The Division also used Maintenance crews with mechanical brush chippers to trim and brush cut selected areas where mechanical bush cutters could not reach.

Road Maintenance

During the year, seven graders in the county carried out grading services on the unpaved road network. This would include 298 km of seasonal roads and 221 kms 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)
16870.46	20859.59	283.73

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

Culverts

On the Western Region 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.

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 843.70 kilometres of roadside grass. These contractors were contracted to cut grass from the middle of June until the end of September. In addition, three Department tractors were utilized for roadside grass cutting on arterial collectors and scenic drives of approximately 869.8 (2 passes) kilometres throughout the Region.

Shoulder Material

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

Dust Control

Maintenance crews used 490 thirty-five 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 296,511 litres was used to treat 101 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

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Rte 225 Shamrock		1.50		1.50	0.24		
Tryon Mill Rd					0.08		
Albany Y					0.10		
Rte 10 North Carleton		6.00		6.00			
Wharf Rd Cape Traverse		1.50		1.50			
Rte 10 Augustine Cove		2.50		2.50			
MacCallum's Point		1.50		1.50			
Kelvin Grove Rd		2.60		2.60			
North Freetown Rd		0.10		2.00			
County Line Rd		0.80		0.80			
MacIntyre Rd		1.00		1.00			
Cairns Rd		1.10		1.10	0.10		
Newton Rd		1.50		1.50			
Clark Rd	0.60	0.10					
Maple Plains Rd	0.70		1.40				

Richards Point Rd	1.10						
Drummond Rd	0.40	0.20					
Galligher Rd	0.20	0.20					
Middleton Rd	0.30	0.30					
Walsh Rd	0.10						
Dougay Rd	0.30	0.60	0.20				
MacMurdo Rd		0.90					
Lecky Loop		0.50					
Train Station Rd		0.30					
Rte 8 Freetown					0.47		
Vernon Muttart Rd		0.30	0.10				
Blue Shank Rd					0.10		
Chelton Rd					0.60		
Searletown Rd					0.40		
Rte 10 Bedeque		0.40		0.40			
Rte 10 Carleton		0.60		0.60			
Sherwood Forest	0.40			0.40			
Cumberland Cove Rd		0.30					
Baker Shore Rd		0.20					
Lower Tryon Rd		0.30					
River Rd		0.40					
Scales Pond Rd		0.70		0.70	0.10		
Stewart Rd					0.20		
Dunk River Rd					0.25		
Total	4.10	26.40	1.70	24.10	2.64	0.00	0.00

Prince Zone P-2 Western Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
County Line Rd					2.00		
Old Princetown Rd					1.60		
PWC Rd					0.50		
Matthews Rd					0.40		
Bernard Rd			0.60		1.40		
Malpeque Rd			3.40	3.40			
Darnley Rd			3.00	3.00			
Irishtown Rd			2.00	2.00			
Mills Point Rd			1.80	1.80			
Rte 2 Traveller's Rest			4.40	4.40			
Rte 11 Mt Carmel			2.80	2.80	0.53		
Rte 11 Linkletter			2.00	2.00	0.19	0.13	
Forbes Rd			0.50				
Kinsman Rd	0.90	0.90				0.12	
Belmont Park Rd		0.40					
Ramsay Rd	0.10		0.50				
Princetown Rd			0.60				
Murphy Rd		1.10					
McKenzie Rd		0.20	0.20				
Barrett Street					0.08		
Rte 2 New Annan					0.20		
Hamilton Loop					0.22		
Rte 124 Abrams Village					0.16		
Rte 11 Square Briggs					0.14		
Rte 11 Sunbury Cove					0.30		
Rte 11 Mclsaac Rd					0.15		
Rte 2 Richmond					0.22		

St Nicholas					0.11		
Rte 2 Wellington					0.30		
Rocky Pt Rd					0.20		
Rte 124 Wellington					0.12		
Compton Rd					0.41		
St Raphael Rd					0.16		
Rte 12 Belmont					0.24		
Delaney Rd					0.37		
North Drive					0.32		
Glenn Drive					0.12		
Total	1.00	2.60	21.80	19.40	10.44	0.25	0.00

Prince Zone P-3 Western Region - Maintenance Activities

Road Name	in kilometres						
	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
MacKinnon Rd					0.31		
Rte 12 Grand River					0.91		
Rte 12 Tyne Valley					0.15		
Gillis Rd					0.04		
Port Hill Station Rd					0.44		
Rte 12 Barlow Rd					0.20		
Locke Rd					0.18		
Ellerslie Rd					0.26		
Rafferty Rd					0.26		
Rte 2 West Devon					0.12		
Locke Rd					0.38		
Brae Harbour					0.09		
O'Leary Rd					0.17		
Hutchinson Rd					0.34		
Praught Rd					0.35		

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Sunnyside Rd					0.64		
Aldouse Rd					0.46	0.22	
Bideford Rd					0.14		
Luke Rd					0.10		
Kennedy Rd					1.50		
Warren Rd					0.50		
Allan Rd						0.49	
Ferry Rd		0.80					
Foster Sharpe Rd		0.60					
MacNeill Mills Ext		0.35					
Total	0.00	1.75	0.00	0.00	7.54	0.71	0.00

Prince Zone P-4 Western Region - Maintenance Activities

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Cemetery Rd		1.40			1.40		
Warren Rd	0.06	0.08			0.20		
Cascumpec Rd					0.13		
Union Rd					0.15		
Foy Rd					0.07		
Lambs Lane					0.20		
Thompson Rd					0.42		
Piusville					0.09	0.21	
Skidders Pond					0.41		
Dock Rd					0.27		
Montrose					0.14		
St Edward					0.09		

	in kilometres						
Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Tap Drains	Bush Cutting (by hand)
Palmar Rd					0.19		
Ebbsfleet					0.16		
Palmer Rd					0.22		
Leoville					0.07		
North Port					0.52		
Fortune Cove					0.57		
Campbellton					0.66		
O'Leary					0.14		
Rte 12 Roxbury					0.11	0.54	
Miminegash					0.24	0.94	
Kildare						0.11	
Unionvale						0.18	
Norway					0.08		
Total	0.06	1.48	0.00	0.00	6.53	1.98	0.00

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:

There were 9,179.96 tonnes of salt purchased for salt-only and 50/50 mix for ice control. The region purchased 2,573.99 tonnes of salt to blend with its winter sand. The Region purchased 31,410.09 tonnes of blended sand. 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 ten (10) sites throughout the Region. An additional 14,201.56 tonnes of blended sand was required to re-charge the winter sand piles during the season.

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 185.64 kilometres of road, were maintained by direct salt application.

Sanding Operations

Approximately 1,256.20 kilometres of secondary roads were maintained with blended winter sand/salt operations. Sanding operations were carried out by 20 sanding contractors using Department installed hoppers and spreaders. Winter sanding contractors are in the fourth year of a 5-year contract.

Snowfall Records

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

Station	Summerside	Tignish	Long River	New Glasgow	Tyne Valley
Total Annual Snowfall (cm)	141.2	N/A	145.0	221.6	N/A

Snow Fence Report

The Department installed approximately 2,092.45 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 snow removal services for the second year of a 4-year contract with private contractors.

Contractor	Kms Plowed
AK Construction West	151.75
Acadia Construction	109.84
AJL Ltd.	37.62
Clearview Construction	147.14
Curran & Briggs Ltd.	178.57
Duffy Construction	91.44
HI Construction	89.72
Harper's Construction	87.84
Matthew's Lime Spreading	95.26
Northern Enterprises Ltd.	27.85
Westisle Construction	108.94
TOTAL	1125.97

The Department was responsible for plowing 439.68 kilometres of highway. To this end, 16 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	40.30					1
Cascumpeque / Alberton	40.60		1			
Fortune Cove	24.10	1				
Bloomfield	32.85					1

Location	Kms.	Graders	4 x 4	Blowers	Loaders	Trucks
Alaska	33.45	1				
Poplar Grove	31.10	1				
Springhill	31.32	1				
Alma Spare		1		1		1
Albany	21.80					1
Kinkora	22.90					1
Albany	29.08		1			
Summerside, Rte 1A	21.29					1
Slemon Park	12.50				1	
North Bedeque	9.20					1
Summerside West	32.15					1
Summerside, Rte 2 East	21.95					1
Searletown	35.10		1			
Summerside				3		1
Summerside spares		1				1
Totals	439.69	6	3	4	1	11

CONFEDERATION TRAIL MAINTENANCE

Maintenance Crews performed work on the approximately 396 kilometres of the Confederation Trail.

Activity	Total
Vegetation Control	396 kilometres
Culvert Replacements	117 metres
Ditching	4 kilometres
Bush Cutting	62 kilometres
Pre-develop	16 kilometres
Groom & Roll	65 kilometres
Groom & Resurface	24 kilometres

In FY09-10 \$1,063,000 was spent on projects which were carried out on the Confederation Trail through funding from the Public Transit Capital Trust Program.

Location	Project
Coles Creek	Culvert Liner
Midgell Bridge	Bridge Replacement
Summerside	Storm Sewer
St. Peters	Shoreline Protection
Montague	Shoreline Protection

MECHANICAL BRANCH

Expenditures

Operating budgets for the Mechanical Branch and Fleet Operations during the year totalled \$14,313,000.00. The budget appropriation was distributed as follows:

Activity	Total
Charlottetown Garage Direct	\$ 4,375,900
Charlottetown Garage Indirect	\$ 169,900
Bridgetown Garage Direct	\$ 1,755,200
Bridgetown Garage Indirect	\$ 404,200
Summerside Garage Direct	\$ 2,578,200
Summerside Garage Indirect	\$ 154,600
Western Region Operators	\$ 1,307,500
Central Region Operators	\$ 2,297,400
Eastern Region Operators	\$ 1,270,100
Total	\$ 14,313,000

Equipment

Corporate Fleet

The fiscal year 2009-2010 brought significant changes to the Corporate Fleet Management component of Transportation and Infrastructure Renewal. Amendments to the Section 18 of the Treasury Board Manual in the Spring of 2009 assigned the responsibility for acquisition and disposal of all government light fleet to Transportation and Infrastructure Renewal. Department staff also provide guidance and support to line departments in the overall management of fleet vehicles including repairs and maintenance.

During the year, a total of \$ 1,379,326 was invested to upgrade the Provincial Government corporate fleet which includes vehicles categorized as passenger cars, vans and light trucks of approximately 1 ton or less. Capital budget allocations totalled \$590,200 while operation funds within various line departments were accessed for the remaining \$789,126 of light fleet purchases.

Light Fleet Purchases

Quantity	Equipment Purchased
3	Full-size Car Purchase
2	Full-size Car Lease Buyout
9	Passenger (Mini) Van Purchase
5	Compact Car Purchase
1	1 Ton Crew Cab Truck
14	1/4 Ton Trucks
7	1/2 Ton Regular Cab Truck
4	1/2 Ton Extended Cab
2	1/2 Ton Extended Cab Hybrid Replacements Through Buyback Program
1	3/4 Ton Truck
6	Survey Vans
3	Delivery Trucks with Box
1	1 Ton Wheelchair Vans
60	Total Vehicles Purchased

Heavy Fleet

The sum of \$1,000,000 was allocated for the Capital heavy equipment account, which includes all commercial vehicles exceeding 1 ton and over and other heavy equipment such as loaders, tractors, bush cutters and attachments.

Heavy Fleet Purchases

Quantity	Equipment Purchased
1	Shoulder Machine
1	Loader Mount Shouldering Machine
1	Plow Gear for Rubber Tire Loader
1	Rubber Tire Loader & Lube System
3	Snow Accessories & Greasing System
1	Rotary Grass Cutter
1	Loader Bucket for Wheel Loader
3	Tandem Trucks
5	Pavement Edgers
1	Industrial Tack Trailer
8	10 Ton Floor Jacks

1	Industrial Grade Boom Mower
8	Tack Trailers

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. Numbers reported in this report reflect inventory at fiscal year end. The ideal number in the "% Units 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 and Mechanical Branch Heavy Fleet continues to be over-aged and identifies the problem areas.

2009/10 Fleet Age Indicators

Unit	Quantity	In Years			Percentage Half Age
		Optimum Life	Target Average Age	Actual Average Age	
Corporate Fleet	353	6	3	6	66%
Single Axle	19	10	5	8.4	42%
Tandem	34	10	5	8.4	35%
4 x 4	17	20	10	22	100%
Grader	22	20	10	21	100%
Loader	22	20	10	18.5	85%
Self Propelled Blower	12	25	12	29.2	100%
Loader Mount Blower	3	20	10	3	0%
Tractor	25	20	10	13.3	32%
Grade-all	2	20	10	16	50%
Spreader	2	20	10	16	100%
Roller	3	20	10	15.2	100%
Sand Hopper	62	20	10	9.2	44%
Trailer	55	20	10	5.7	15%

Corporate Replacement Program

Each year, Department staff continue to conduct a total review of the equipment to determine a replacement program. This program identifies the most immediate needs of the Department - namely operational requirements - and the replacement of existing equipment that has exceeded their useful life cycle. This program identifies the equipment requirement for years one through five and the annual costs necessary to accomplish it.

Systems

The Fleet Management System continues to be utilized to provide an account of the operating and maintenance costs associated with the Department's fleet of vehicles.

Key Result Areas

Achievements of key result areas were as follows:

Financial Control:

The measure for financial control is budget achievement. The target is 100% achievement of budget. During the year, expenditures exceeded budget as a result expenditures on repairs to heavy fleet equipment attributed to an aging fleet, resulting increased costs of parts.

Safety:

The target in the area of safety is zero lost time incidents per year. During the year, the total number of days lost due to work-related injuries was 6. An increase of 1/2 day from last year's figure of 5.5 days lost.

1.	Western Region:	0
2.	Central Region:	6
3.	Eastern Region:	0

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

Training:

The Mechanical Branch continues to consider training a priority and therefore, provides training in the following areas:

- First Aid
- Welding Apprentice Training/OJT
- Dangerous Goods
- Driver Refresher Course
- Engine Diagnostic Session
- Truck & Transport Training
- Forklift Training

Statement of Ordinary Expenditures	
Year Ending March 31, 2010	
Departmental Management	
Executive Office	
Salaries	331,115
Office & Postage	2,658
Tel & Tel	13,291
Miscellaneous	16,929
Equipment	175
Materials & Supplies	4,202
Travel & Training	15,020
Total Executive Office	383,390
Finance, Human Resources & Operations - Director's Office	
Salaries	251,718
Office & Postage	1,010

Tel & Tel	2,288	
Miscellaneous	3,354	
Equipment	328	
Materials & Supplies	173	
Professional Services	18,413	
Travel & Training	5,912	
Grants	979,363	
Total Finance, Human Resources & Operations - Director's Office		1,262,559
Finance Section		
Salaries	342,753	
Office & Postage	10,478	
Tel & Tel	7,186	
Miscellaneous	2,906	
Equipment	1,312	
Materials & Supplies	6,415	
Travel & Training	2,024	
Total Finance Section		373,074
Human Resource Section		
Salaries	485,787	
Office & Postage	2,005	
Tel & Tel	6,108	
Miscellaneous	4,771	
Equipment	3,665	
Materials & Supplies	796	
Professional Services	1,723	
Travel & Training	13,105	
Total Human Resource Section		517,960
<u>Total Departmental Management</u>		2,536,983
<u>Highway Maintenance</u>		
<u>Provincial Highway Maintenance Operations</u>		
Maintenance Administration - Director's Office		
Salaries	232,716	
Office & Postage	857	
Tel & Tel	4,127	
Miscellaneous	4,239	
Materials & Supplies	9,567	
Professional Services	47,791	
Travel & Training	19,704	
Grants (Slemon Park)	80,040	

Total Maintenance Administration - Director's Office		399,041
Highway Maintenance Inventory Control		
Salaries	403,361	
Office & Postage	2,171	
Miscellaneous	545	
Tel & Tel	1,670	
Materials & Supplies	471,612	
Travel & Training	2,688	
Total Highway Maintenance Inventory Control		882,047
Provincial Maintenance Road Program		
Professional & Contract Services	610,624	
Tel & Tel	648	
Equipment	102,247	
Materials & Supplies	614,476	
Total Provincial Maintenance Road Program		1,327,995
<u>Total Provincial Highway Maintenance Operations</u>		2,609,083
<u>Western Region Highway Maintenance Operations</u>		
Maintenance Administration Western Region		
Salaries	608,094	
Office & Postage	7,793	
Tel & Tel	29,634	
Miscellaneous	5,461	
Equipment	1,388	
Materials & Supplies	1,487	
Travel & Training	625	
Total Maintenance Administration		654,482
Summer Maintenance Operations Western Region		
Salaries	2,288,867	
Equipment	3,762	
Materials & Supplies	1,668,723	
Professional & Contract Services	216,594	
Travel & Training	57,003	

Total Summer Maintenance Operations Western Region		4,234,949
<u>Winter Maintenance Operations Western Region</u>		
Salaries	400,516	
Materials & Supplies	2,057,574	
Professional & Contract Services	3,431,710	
Travel & Training	425	
Total Winter Maintenance Operations Western Region		5,890,225
<u>Total Western Region Highway Maintenance Operations</u>		10,779,656
<u>Central Region Highway Maintenance Operations</u>		
Maintenance Administration - Central Region		
Salaries	721,764	
Office & Postage	16,096	
Tel & Tel	44,028	
Miscellaneous	2,054	
Materials & Supplies	5,492	
Travel & Training	1,800	
Total Maintenance Administration - Central Region		791,234
Summer Maintenance Operations - Central Region		
Salaries	2,849,041	
Office & Postage	9	
Materials & Supplies	1,764,633	
Professional & Contract Services	363,850	
Travel & Training	75,581	
Total Summer Maintenance Operations - Central Region		5,053,114
Winter Maintenance Operations - Central Region		
Salaries	501,801	
Office & Postage	4	
Materials & Supplies	2,689,794	
Professional & Contract Services	2,747,672	

Total Winter Maintenance Operations - Central Region		5,939,271
<u>Total Central Region Highway Maintenance Operations</u>		11,783,619
<u>Eastern Region Highway Maintenance Operations</u>		
Maintenance Administration - Eastern Region		
Salaries	589,643	
Office & Postage	2,826	
Tel & Tel	45,370	
Miscellaneous	2,367	
Equipment	616	
Materials & Supplies	140	
Professional & Contract Services	219	
Travel & Training	140	
Total Maintenance Administration - Eastern Region		641,321
Summer Maintenance Operations - Eastern Region		
Salaries	1,997,881	
Tel & Tel	505	
Materials & Supplies	1,411,490	
Professional & Contract Services	191,925	
Travel & Training	28,049	
Miscellaneous	78	
Total Summer Maintenance Operations - Eastern Region		3,629,928
Winter Maintenance Operations - Eastern Region		
Salaries	271,793	
Office & Postage	40	
Materials & Supplies	1,330,100	
Professional & Contract Services	1,355,145	
Travel & Training	810	
Total Winter Maintenance Operations - Eastern Region		2,957,888
<u>Total Eastern Region Highway Maintenance Operations</u>		7,229,137
Rails to Trails		

Rails to Trails Maintenance

Salaries	1,059,620	
Office & Postage	574	
Tel & Tel	7,851	
Miscellaneous	2,482	
Materials & Supplies	205,932	
Travel & Training	20,938	
Total Rails to Trails Maintenance		1,297,397

Mechanical Operations

Salaries	10,020,666	
Office & Postage	9,599	
Tel & Tel	89,318	
Property Tax	37,309	
Miscellaneous	25,039	
Equipment	46,517	
Materials & Supplies	5,167,922	
Professional & Contract Services	94,747	
Travel & Training	435,436	
Total Mechanical Operations		15,926,553

Total Highway Maintenance

49,625,445

Planning, Development and Building Const.**Director's Office**

Salaries	146,067	
Office & Supplies	13,127	
Tel & Tel	2,811	
Miscellaneous	5,700	
Materials & Supplies	2,630	
Professional & Contract Services	49,026	
Travel & Training	4,378	
Total Director's Office		223,739

Building Construction

Salaries	214,904	
Tel & Tel	1,820	
Materials & Supplies	22	
Travel & Training	12,011	
Total Building Construction		228,757

Planning

Salaries	77,471	
Tel & Tel	1,478	
Miscellaneous	1,200	

Travel & Training	11,929	
Total Planning		92,078
Building Design		
Salaries	405,338	
Office & Postage	401	
Tel & Tel	5,568	
Miscellaneous	1,328	
Materials & Supplies	409	
Travel & Training	19,043	
		432,087
Total Building Design		
Total Planning, Development and Building Construction		976,661
<u>Public Works Operations</u>		
Public Works Administration		
Salaries	647,857	
Office & Postage	3,212	
Tel & Tel	8,381	
Miscellaneous	46,741	
Equipment	10,863	
Materials & Supplies	83,339	
Professional & Contract Services	9,625	
Travel & Training	31,821	
Total Public Works Administration		841,839
District Heating Plant		
Professional & Contract Services	2,070,839	
Total District Heating Plant		2,070,839
<u>Total Public Works Operations - Administration</u>		2,912,678
<u>Direct Building Maintenance</u>		
Mona Wilson Bldg.	68,880	
Shaw, Sullivan & Jones Bldg.	3,238,834	
Province House	170,961	
Province House Annex	45,001	
Government House	427,921	
Customs House	107,907	
Portable Classroom	135	
Coles Bldg.	152,791	
Prince County Jail & Courthouse	234,694	
Summerside Youth Center	251,642	
Provincial Correctional Center	327,508	
Montague Office Complex	96,707	

Southern Kings/Queens RSC	76,092
West Prince RSC	66,633
Prince Edward Home	68,722
Beach Grove Warehouse TPW	1,450
Kings Co. Courthouse	30,936
VIC Wood Islands	16,637
Scale Houses	84,051
Mt. Albion Warehouse	269
Environment Warehouse	30,298
French Museum	25,114
Forestry - Queens	30,159
Belmont St. Warehouse	23,469
Cavendish VIC	71,699
Vet. Clinic O'Leary	26,039
Alberton Courthouse	26,733
Forestry - Prince	12,682
Forestry - Kings	24,141
Basin Head/Elmira	24,057
Orwell Historic Village	12,024
Portage VIC	15,369
Tyne Valley Youth Centre	56,555
Lea Crane Building	72,768
Green Park	4,375
Potato Service Bldg.	40,468
Sign Shop	31,527
Alma Field Office	23,665
Vacant Schools	21,540
Tyne Valley Medical Center	27,648
Access PEI - S'side	231,620
Highway Material Testing Lab - Mt. Stewart	75,892
Brighton Road Office Complex	33,797
Holland College - Royalty Operations	460,259
North Cape Wind Site	109,613
Summerside Garage - Slemon Park	194,499
<u>Total Direct Building Maintenance</u>	7,173,781

Building Accommodations

VIC Airport	22,794
O'Leary Dental Clinic	3,066
Harbour Quay	16,470
Cavendish Cottage	3,621
Town of Kensington	29,170
Roger Cooke	14,347
Wellington Health Center	19,600
Kensington - Laundry	107,289
Rochford St. - Health	111,583
Gulf Shore	23,800
St. Eleanors	18,000
Parkdale Pharmacy	206,495
Capital Health - Halifax	2,785
Glen Patterson	23,064
Kings County Medical	110,720
Tignish Health Co-op	4,883
Fire Arms Office	24,096
Potato Disinfection Center	48,000
St. Peters VIC	33,214

Kensington VIC	11,000	
Bldg. #19 Research Station	36,215	
Souris VIC	15,235	
Wood Islands VIC	37,599	
Access PEI - Tignish	28,862	
Royalty Center	147,244	
West Royalty Industrial Park - Tourism	54,704	
Evangeline RSC	67,528	
Johnny Ross Young RSC	238,759	
Research Station Building	268,276	
Queens Region Health Authority - Ellis Bros.	707,778	
Health Agency - Younker, Roche Bldg.	528,663	
Provincial Library - Morell	194,972	
St. Paul's Rectory Bldg.	43,646	
Albert Thomas Bldg.	88,897	
Davies Law Courts	902,422	
Highway Safety Office	177,851	
Stonehouse VIC	60,669	
Fisheries Warehouse	59,469	
Kelly Building - Courthouse	162,388	
Breckan Yates Building	140,778	
SRDC - 109 Water St.	167,919	
Confederation Center & Libraries	178,000	
Gateway Village VIC	69,180	
Donald Bondy Bldg.	412,200	
Hunter River Health Center	75,800	
Summerside Medical Center	228,500	
Polyclinic	267,848	
Pharmtech	169,146	
E. Blanchard (Gordon Drive)	122,393	
Concorde Building	176,903	
Confederation Court Lease - EMO	103,454	
Dept Fisheries - Montague	68,101	
Dept Education - Summerside	78,465	
Total Building Accommodations		6,913,861
Total Planning, Development and Building Const.		17,976,981
<u>Capital Projects Administration</u>		
<u>Capital Projects Operations</u>		
Chief Engineer's Office		
Salaries	260,323	
Office & Postage	4,966	
Tel & Tel	5,015	
Miscellaneous	29,675	
Equipment	288	
Materials & Supplies	30,663	
Professional & Contract Services	37,389	
Travel & Training	11,837	
Total Chief Engineer's Office		380,156

Capital Projects Administration –
Western Region

Salaries	637,275
Office & Postage	11,909
Tel & Tel	25,763
Miscellaneous	1,412
Equipment	51,136
Materials & Supplies	31,672
Professional & Contract Services	50
Travel & Training	21,221

Total Capital Projects Administration
– Western Region 780,438

Capital Projects Administration –
Central Region

Salaries	566,133
Office & Postage	2,216
Tel & Tel	14,001
Miscellaneous	1,785
Equipment	40,257
Materials & Supplies	12,147
Travel & Training	12,289

Total Capital Projects Administration
– Central Region 648,828

Capital Projects Administration –
Eastern Region

Salaries	571,486
Office & Postage	2,341
Tel & Tel	8,592
Miscellaneous	1,293
Equipment	41,730
Materials & Supplies	7,814
Professional & Contract Services	1,681
Travel & Training	20,576

Total Capital Projects Administration
– Eastern Region 655,513

Highway Enhancement

Salaries	47,295
Tel & Tel	15

Total Highway Enhancement 47,310

Engineering Services Operations

Salaries	82,675
----------	--------

Office & Supplies	311	
Tel & Tel	18	
Materials & Supplies	112	
Travel & Training	7,010	
Total Engineering Services Operations		90,126
Total Capital Projects Operations		2,602,371
Traffic Operations		
Traffic Operations - Western Region		
Salaries	447,809	
Office & Postage	93	
Tel & Tel	6,547	
Miscellaneous	327	
Materials & Supplies	374,058	
Professional & Contract Services	4,107	
Travel & Training	15,785	
Total Traffic Operations - Western Region		848,726
Traffic Operations - Central/Eastern Region		
Salaries	791,837	
Office & Postage	1,059	
Tel & Tel	11,556	
Equipment	19,637	
Materials & Supplies	1,499,691	
Professional & Contract Services	38,690	
Travel & Training	32,945	
Total Traffic Operations - Central/Eastern Region		2,395,415
Traffic Operations - Sign Shop		
Salaries	187,287	
Office & Postage	196	
Tel & Tel	3,704	
Materials & Supplies	216,648	
Professional & Contract Services	5,192	
Travel & Training	2,038	
Total Traffic Operations - Sign Shop		415,065
Traffic Operations Management		
Salaries	328,909	
Office & Postage	389	
Tel & Tel	4,445	

Miscellaneous	668	
Equipment	9,210	
Materials & Supplies	21,754	
Professional & Contract Services	5	
Travel & Training	20,881	
Total Traffic Operations Management		386,261
<u>Total Traffic Operations</u>		4,045,467
<u>Highway Design</u>		
Salaries	383,186	
Office & Postage	1,084	
Tel & Tel	8,419	
Miscellaneous	3,033	
Equipment	105,242	
Materials & Supplies	7,739	
Professional & Contract Services	52,464	
Travel & Training	19,925	
<u>Total Highway Design</u>		581,092
<u>Bridges</u>		
Bridge Maintenance Operations		
Salaries	465,175	
Office & Postage	545	
Tel & Tel	7,379	
Materials & Supplies	1,294,558	
Professional & Contract Services	820,385	
Travel & Training	17,060	
Total Bridge Maintenance Operations		2,605,102
<u>Highway Testing Lab</u>		
Materials Testing Lab		
Salaries	1,241,978	
Office & Postage	3,045	
Tel & Tel	18,190	
Miscellaneous	1,161	
Equipment	9,462	
Materials & Supplies	19,627	
Professional & Contract Services	4,434	
Travel & Training	42,868	
Total Materials Testing Lab		1,340,765

Total Capital Projects Administration 11,174,797

Highway Safety Operations & IT

Highway Safety Administration

Salaries	137,092
Office & Postage	52,716
Tel & Tel	26,572
Miscellaneous	10,853
Materials & Supplies	76,557
Professional & Contract Services	59,479
Travel & Training	11,538

Total Highway Safety Administration 374,807

Promotion Highway Safety

Salaries	685,130
Miscellaneous	450
Materials & Supplies	16,195
Travel & Training	14,988

Total Promotion Highway Safety 716,763

Registration & Licensing

Salaries	675,236
Equipment	5,526
Miscellaneous	289
Materials & Supplies	424,981
Travel & Training	108

Total Registration & Licensing 1,106,140

Highway Scales

Salaries	588,480
Equipment	4,833
Materials & Supplies	14,093
Travel & Training	634

Total Highway Scales 608,040

Total Highway Safety Operations & IT 2,805,750

Land, Environment Management & Surveys

Environment Management

Salaries	453,957	
Office & Postage	287	
Tel & Tel	7,931	
Miscellaneous	594	
Equipment	660	
Materials & Supplies	12,012	
Professional & Contract Services	71,304	
Travel & Training	70,173	
Total Environment Management		616,918
Properties		
Salaries	728,733	
Office & Postage	6,809	
Tel & Tel	7,877	
Property Tax	99,355	
Miscellaneous	269	
Equipment	971	
Materials & Supplies	1,366	
Professional & Contract Services	141,958	
Travel & Training	18,953	
Debt	100,588	
Total Properties		1,106,879
Surveys		
Salaries	450,329	
Office & Postage	1,797	
Tel & Tel	5,312	
Miscellaneous	1,337	
Equipment	14,322	
Materials & Supplies	662	
Professional & Contract Services	89,560	
Travel & Training	5,715	
Total Surveys		569,034
Total Land, Environment Management & Surveys		2,292,831
Total Transportation & Public Works		
Ordinary Expenditures		86,412,787
Capital - Highways / TC		
Bridges		
Eastern Region		
Montague Environmental Clean Up	1,632	

Morell Bridge (Deck Repairs)	261,737	
Cardigan Bridge	67,121	
Poplar Point Bridge	447,596	
Gowan Brae Bridge	1,093,977	
Murray River Bridge	6,024	
Total Eastern Region		1,878,087
Central Region		
Dunedin Bridge Replacement	2,305,584	
Corran Ban Dredging Project	240,224	
Oyster Bed Bridge	9,275	
West River Bridge	1,476	
Total Central Region		2,556,559
Western Region		
Tyne Valley Bridge Structure Replacement	1,114,306	
West Point Bridge Structure Replacement	433,259	
Norring Road Bridge	280,135	
Oyster Creek Bridge Repairs	102,960	
Coleman Corner Bridge (Deck Repairs)	299,105	
Darnley Bridge	50,476	
Kildare Bridge	79,039	
Total Western Region		2,359,280
Miscellaneous Bridge		
Bridge Maintenance Capital	251,655	
Pre Cast Structure Supply	357,479	
Bridge Inspection Programs	440,860	
Montrose Bridge	196,683	
West Cape Structure Replacement	15,845	
Lennox Island Road Bridge Replacement	65,066	
Total Miscellaneous Bridge		1,327,588
Total Bridges		8,121,514
<u>Highway Reconstruction</u>		
Western Region		
Asphalt Millings Various Roads	218,167	
Albany - North Tryon	815,339	
Blueshank Road - Route 107	927,362	
Norboro Route 2	243,350	
Kinkora Road - Route 225	599,462	
Cabot Park	61,435	
Slemon Park Streets	205,095	
TPW Complex - Slemon Park	81,154	

Wellington Route 2	1,581,843	
Strang Road	16,012	
Kinsman Road	225,106	
Western Road - Northam	268,096	
West Devon	1,024,099	
Mill & Place w3 Bridge Approaches Dis 25 & 26	61,097	
Northport Route 152	357,627	
Tighnish Shore Protection	324,650	
Total Western Region		7,009,894
Central Region		
Keppoch Road Storm Sewer Widening - Stratford	369,899	
St. Andrews - St. Peter's Road Route 2	787,105	
Rustico Road - North Milton	651,379	
MacLaughlin Road Route 252	253,141	
Brookfield/Springvale Route 2	460,388	
THC - Cornwall	452,227	
Springfield Route 2	224,112	
RoseValley/Stanchel Route 225	415,412	
Springton Route 264	33,226	
Maplewood Road - Kelly's Cross	102,456	
Baltic Road - Clyde River	41,227	
North Road - Stanley Bridge	40,669	
Total Central Region		3,831,241
Eastern Region		
Morell Storm Sewers	36,082	
St. Charles Road Carryover	32,200	
Souris Main St. Route 2	3,049,407	
Dingwell's Mills Route 2	2,761,817	
Morell Route 2	1,649,340	
Valleyfield Road Route 326	400,748	
Mt. Vernon - Wood Islands Road Route 315	952,340	
Belle River TCH	641,483	
TCH Hazelbrook/Mt. Albion	626,852	
Robertson Road - Mt. Albion	155,847	
TCH/Johnson Dr. Stratford	386,933	
New Cove Road - Orwell Cove	377,676	
Total Eastern Region		11,070,725
Miscellaneous		
Consultant Fees	144,922	
Total Miscellaneous		144,922
Total Highway Reconstruction		22,056,782

Provincial Paving**Western Region**

Asphaltic Concrete Curran & Briggs	1,433,330
Asphaltic Concrete - H.I.	1,382,357
Total Western Region	2,815,687

Central Region

Asphaltic Concrete Central Roadways	455,890
Asphaltic Concrete Island Construction	511,353
Recap Program Island Construction	1,036,071
Recap Program Chapman Brothers	518,741
Recap Program Pauley Construction	305,740
HMD Cost Recap	189,389
Total Central Region	3,017,184

Eastern Region

Asphaltic Concrete Chapman Brothers	451,156
Recap Program Pauley Construction	178,784
Recap Program Island Construction	172,494
Recap Program Chapman Brothers	378,039
HMD Cost Recap	52,489
Total Eastern Region	1,232,962

Total Provincial Paving 7,065,833

New Deals for Cities & Communities

Victoria Bridge Replacement	1,457,698
Stanley Bridge - Cavendish Road Route 6	194,558

Total New Deals for Cities & Communities 1,652,256

Canada Strategic Infrastructure Fund

Hunter River Route 2	3,201,740
New Annan - Traveller's Rest	529,233
Kensington Route 2	587,102
	4,318,075

Total Canada Strategic Infrastructure Fund

Public Transit Capital Trust

Dalton Ave. - Tignish	972,587	
Route 2 - Inverness - Portage	3,012,789	
Slemon Park - Areospace Blvd.	603,460	
Oak Drive Overpass Extension	812,978	
Charlottetown Perimeter Highway - East	4,559,450	
Charlottetown Perimeter Highway - West	1,796,830	
Georgetown Road - Stratford	690,183	
Georgetown	2,124,096	
Midgell - Rails to Trails Bridge		
Replacement	528,330	
Coles Creek Culvert Structure	408,960	
Montague Shoreline Repairs Confederation		
Trail	15,000	
Summerside Confederation Trail - Drainage	110,123	
		15,634,786
Total Public Transit Capital Trust		
<u>Highway Equipment</u>		
Highway Equipment	85,227	
Total Highway Equipment		85,227
Total Capital - Highways / TC		58,934,473
Capital - Buildings / TC		
New Building Construction	816,965	
Land Purchases	224,265	
Total Capital - Buildings / TC		1,041,230
Total Capital Expenditures Dept. of Transportation & Public Works		59,975,703
Total Transportation & Public Works		146,388,490