



SELECTED RPAM INFORMATION AND DATA - TRANSIT ASSET MANAGEMENT PLAN

Prepared for:

TRANSIT ASSET MANAGEMENT PLAN
REVIEW TEAM

Prepared by:

REAL PROPERTY ASSET MANAGEMENT BRANCH
Comprehensive Asset Management Division
Business Operational Services Division
100 Constellation Crescent, 9th Floor
Ottawa, Ontario
K1G 3V5

MARCH, 2006

City of Ottawa
Real Property Asset Management Branch
Comprehensive Asset Management Division

Transit Asset Management Plan Supplementary Documents
General Disclaimer

The life-cycle and major repair event summaries presented in this document are not intended to be a substitute for mechanical, electrical, plumbing, architectural and structural inspections by qualified inspectors in these fields. These event summaries are intended for the exclusive purpose of developing a reasonable forecast of planned life-cycle renewal and/or remediation work for the subject City of Ottawa facility or facilities.

The information contained in this document is not a warranty by the City as to the condition of any property nor any other conditions of which the City has no actual knowledge.

The information contained in this supplementary document is collected from various sources and is subject to change without notice. Further, information contained in this document is not intended to constitute advice, nor is it to be used as a substitute for specific advice, from a licensed professional.

All forecast events presented in this document are subject to change without notice and are further subject to funding availability and/or Council approval in any budget year. The content of this supplementary document, including but not limited to, any process maps, definitions and procedure summaries are City of Ottawa proprietary and may not be reproduced without permission.

CONTENTS

1. Real Property Facility Listing – OC Transpo
2. Major Facility Current FCI (Condition Indices) – OC Transpo
3. Real Property Infrastructure Life Cycle Renewal Forecast 2007-2030 – OC Transpo
4. Major Facilities Effective Replacement Value Schedule – OC Transpo
5. Real Property Infrastructure Condition Audit Summary – OC Transpo
6. Lifecycle Event Qualification – Process Flowchart
7. Lifecycle Event Prioritization – Process Flowchart
8. Program Synopsis – The City of Ottawa Buildings Accessibility Retrofit Program.
9. Program Synopsis – The City of Ottawa Real Property Strategic Asset Management Program

OC Transpo Facilities



Building Description	Street	Building type Descript	Business Entity Description	Owned	Area	Unit	ConstYr
OC Transpo St. Laurent Administration Building	ST LAURENT BLVD-01500	ADMINBLDG-OPS	OC Transpo St. Laurent Garage	X	68,680.0000	FT2	1959-01-01
OC Transpo St. Laurent Para Transpo Building	BELFAST RD-00875	ADMINBLDG-OPS	OC Transpo St. Laurent Garage	X	23,365.0000	FT2	1960-01-01
	ADMINBLDG-OPS Count			2			
OC Light Rail Bayview Station	880 Wellington Street	Light Rail Station	OC Light Rail Stations	X	0.0000		
OC Light Rail Carleton Station	1125 Colonel By Drive	Light Rail Station	OC Light Rail Stations	X	0.0000		
OC Light Rail Carling Station	843 Carling Avenue	Light Rail Station	OC Light Rail Stations	X	0.0000		
OC Light Rail Confederation Heights Station	820 Heron Road	Light Rail Station	OC Light Rail Stations	X	0.0000		
OC Light Rail Greenboro Station	BANK ST-02200	Light Rail Station	OC Light Rail Stations	X	0.0000		
OC Light Rail Walkley Yard	3101 Albion Road	Light Rail Station	OC Light Rail Stations	X	18,265.0000	FT2	
	Light Rail Station Count			6			
OC Transitway Place De Ville Ticket Office	320 Queen Street	Public Transportation Facility	OC Transitway Ticket Offices		886.0000	FT2	
OC Transitway Rideau Centre Ticket Office	UNKNOWN-00000	Public Transportation Facility	OC Transitway Ticket Offices		505.0000	FT2	
OC Transpo Belfast North Garage	805 Belfast Road	Public Transportation Facility	OC Transpo Belfast Complex	X	0.0000		
OC Transpo Belfast Office & South Garage	BELFAST RD-00805	Public Transportation Facility	OC Transpo Belfast Complex	X	45,776.0000	FT2	1960-01-01
OC Transpo Colonnade Office & Garage-Merivale	COLONNADE RD-00164	Public Transportation Facility	OC Transpo Colonnade Complex	X	212,197.0000	FT2	1978-01-01
OC Transpo Pinecrest Bus Storage	QUEENSVIEW DR-02550	Public Transportation Facility	OC Transpo Pinecrest Complex	X	134,715.0000	FT2	1976-01-01
OC Transpo St. Laurent North Garage & Office	ST LAURENT BLVD-01500	Public Transportation Facility	OC Transpo St. Laurent Garage	X	165,846.0000	FT2	1989-01-01
OC Transpo St. Laurent South Garage	ST LAURENT BLVD-01500	Public Transportation Facility	OC Transpo St. Laurent Garage	X	216,614.0000	FT2	1959-01-01
	Public Transportation Facility Count			8			
OC Transpo St. Laurent Boyd Storage Building	BELFAST RD-00899	Storage Facility	OC Transpo St. Laurent Garage	X	37,342.0000	FT2	1950-01-01
	Storage Facility Count			1			
OC Transitway Abbey Station	1610 Riverside Drive	Transitway Station	OC Transitway Facilities	X	5,113.0000	FT2	1991-01-01
OC Transitway Baseline Station	1400 Woodroffe Avenue	Transitway Station	OC Transitway Facilities	X	5,278.0000	FT2	1983-01-01
OC Transitway Bayshore Station	50 Woodridge Drive	Transitway Station	OC Transitway Facilities	X	17,237.0000	FT2	2000-01-01
OC Transitway Bayview Station	880 Wellington Street	Transitway Station	OC Transitway Facilities	X	7,492.0000	FT2	1986-01-01
OC Transitway Billings Bridge Station	1360 Bank Street	Transitway Station	OC Transitway Facilities	X	20,807.0000	FT2	1996-01-01
OC Transitway Blair Station & Pedestrian Overpass	1200 Blair Road	Transitway Station	OC Transitway Facilities	X	19,569.0000	FT2	1989-01-01
OC Transitway Campus Station	301 Nicholas Street	Transitway Station	OC Transitway Facilities	X	5,522.0000	FT2	1984-01-01
OC Transitway Cyrville Station	1250 Cyrville Road	Transitway Station	OC Transitway Facilities	X	2,896.0000	FT2	1990-01-01
OC Transitway Dominion Station	333 Dominion Street	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Eagleson Station (West Bound)	102 Eagleson Road	Transitway Station	OC Transitway Facilities	X	517.0000	FT2	1994-01-01
OC Transitway Elmvale Station	1922 St. Laurent Boulevard	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Fallowfield Park & Ride Station	3355 Fallowfield Road	Transitway Station	OC Transitway Facilities	X	4,600.0000	FT2	2000-01-01
OC Transitway Greenboro Station	2120 Bank Street	Transitway Station	OC Transitway Facilities	X	6,093.0000	FT2	1994-01-01
OC Transitway Heron Station	959 Heron Road	Transitway Station	OC Transitway Facilities	X	5,931.0000	FT2	1994-01-01
OC Transitway Hunt Club Washroom	1120 Hunt Club Rd	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Hurdman Layover	1432 Riverside Drive	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Hurdman Station	1432 Riverside Drive	Transitway Station	OC Transitway Facilities	X	8,138.0000	FT2	1983-01-01
OC Transitway Iris Station (North Bound)	2301 Iris Street	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Iris Station (South Bound)	2300 Iris Street	Transitway Station	OC Transitway Facilities	X	194.0000	FT2	1990-01-01
OC Transitway Kanata Town Centre Station	160 Katimavik Road	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Laurier Station	51 Laurier Avenue East	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Lebreton Layover	160 Booth Street	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Lebreton Station	160 Booth Street	Transitway Station	OC Transitway Facilities	X	616.0000	FT2	1990-01-01
OC Transitway Lees Station	191 Lees Avenue	Transitway Station	OC Transitway Facilities	X	7,567.0000	FT2	1983-01-01
OC Transitway Lincoln Fields Station	2451 Carling Avenue	Transitway Station	OC Transitway Facilities	X	20,237.0000	FT2	1983-01-01
OC Transitway Lycee Claudel Station	1635 Riverside Drive	Transitway Station	OC Transitway Facilities	X	2,487.0000	FT2	1991-01-01

OC Transpo Facilities



Building Description	Street	Building type Description	Business Entity Description	Owned	Area	Unit	ConstYr
OC Transitway Mackenzie King Station	50 Rideau Street	Transitway Station	OC Transitway Facilities	X	15,623.0000	FT2	2000-01-01
OC Transitway Place D'Orleans Station & Ped. Overpass	1231 Place D'Orleans	Transitway Station	OC Transitway Facilities	X	17,438.0000	FT2	1994-01-01
OC Transitway Pleasant Park Station (North Bound)	125 Pleasant Park Drive	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Pleasant Park Station (South)	100 Pleasant Park Drive	Transitway Station	OC Transitway Facilities	X	4,252.0000	FT2	1996-01-01
OC Transitway Queensway Station	1100 Woodroffe Avenue	Transitway Station	OC Transitway Facilities	X	10,022.0000	FT2	1983-01-01
OC Transitway Rideau Street Transit Stop (East Bound)	102 Rideau Street	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Rideau Street Transit Stop (West Bound)	93 Rideau Street	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Riverside Station	1965 Riverside Dr	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Smyth Station	1799 Riverside Drive	Transitway Station	OC Transitway Facilities	X	3,929.0000	FT2	1991-01-01
OC Transitway South Keys Station	2210 Bank Street	Transitway Station	OC Transitway Facilities	X	11,367.0000	FT2	1996-01-01
OC Transitway St Laurent Station	1300 St. Laurent Blvd.	Transitway Station	OC Transitway Facilities	X	46,329.0000	FT2	1987-01-01
OC Transitway Terry Fox Station	Terry Fox Drive	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Train Station	210 Tremblay Road	Transitway Station	OC Transitway Facilities	X	0.0000		
OC Transitway Tunneys Pasture Station	1621 Scott Street	Transitway Station	OC Transitway Facilities	X	12,056.0000	FT2	1984-01-01
OC Transitway Walkley Station	1160 Walkley Road	Transitway Station	OC Transitway Facilities	X	5,059.0000	FT2	1994-01-01
OC Transitway Westboro Station	1997 Scott Street	Transitway Station	OC Transitway Facilities	X	7,029.0000	FT2	1984-01-01
Transitway Station Count							
			42				
OC Dows Lake Pumphouse	1001 Queen Elizabeth	Utility Structure	OC Light Rail Stations	X	0.0000		
			1				
Utility Structure Count							
Grand Count				Total	1,197,589.00	FT2	

CITY OF OTTAWA - PRIMARY TRANSPORTATION GARAGE FACILITIES
 CURRENT FCI AND **EFFECTIVE** REPLACEMENT VALUE

FACNO	FACILITY	FCI (CAM)	REP. VALUE
FACILITY TYPE: PUBLIC TRANSPORTATION FACILITY			
07296	BUS STORAGE - PINECREST	8.41	27,413,155
07293	NORTH GARAGE AND OFFICE - OC TRANSP	6.21	33,748,003
07297	OFFICE AND GARAGE - MERIVALE - OC TRANSP	8.34	43,179,968
07294	SOUTH GARAGE - ST. LAURENT	9.68	44,078,783

Replacement Value (Effective): The effective replacement value (ERV) is considered to be the hard construction cost in current dollars, required to replace the substantive and renewable elements of an existing asset on an owned and serviced land mass of appropriate size and configuration. The ERV typically excludes foundations and other elements, which do not require life-cycle renewal for the service lifespan of the facility. ERV is typically applied only in calculating capital reinvestment requirements.

Facility Condition Index (FCI): The Facility Condition Index is traditionally identified as the sum of the identified deficiencies (in dollars) divided by the estimated current replacement cost of the building. The FCI is used in two principal ways. First, to establish priorities for project funding based on the index value for each facility. Second, to project the amount of re-investment that will be required to either maintain the FCI at its measured level or to reach a target index over a prescribed investment period.

Notwithstanding the above, it is the position of the Comprehensive Asset Management Division that to be effective the FCI must also indicate the true relative condition of the facilities within the Corporate Portfolio.

To accomplish this, we must consider all major repair and replacement events including those which have been subject to deferral, those which are immediately pending and those which have been planned *and validated* within a reasonable strategic planning window (10 Years).

In summary, the FCI calculation methodology applied at the City of Ottawa is as follows;

$$FCI = \frac{\sum VE}{ERV}$$

- Where $\sum VE$ equals the total cost of all validated life-cycle renewal and major repair events identified within a ten-year strategic window from the current date, and where;
- ERV equals the effective replacement value of the subject facility.

This calculation methodology is considered to be the most effective for identifying both the true and relative general condition of the complex real property mix which defines the municipal corporate portfolio.

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

FACILITY: ADMINISTRATION BUILDING - OC TRANSPO FACNO: 07292 WARD: 18
ADDRESS: ST LAURENT BLVD-01500

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
13181	2007	UPGRADE ELEVATOR NO. 1		\$ 150,000.
10095	2007	REPLACE EXTERIOR SEALS ON OFFICE TOWER	C	\$ 200,000.
09280	2009	REPLACE EXTERIOR DOORS IN CAFETERIA EXPANSION	C	\$ 6,000.
09279	2009	REPLACE INTERIOR DOORS IN CAFETERIA EXPANSION	C	\$ 6,000.
09278	2009	REPLACE FINISHES AND VANITIES IN OFFICE TOWER	C	\$ 20,000.
09276	2009	REPLACE VCT FLOORING IN BASEMENT	C	\$ 40,000.
09275	2009	REPLACE EXTERIOR WINDOWS ON OFFICE TOWER	C	\$ 80,000.
09274	2009	REPLACE INTERIOR DOORS ON OFFICE TOWER	C	\$ 50,000.
09281	2013	REPLACE HVAC SYSTEMS IN OFFICE TOWER	C	\$ 400,000.
09283	2014	REPLACE HVAC SYSTEMS FOR CAFETERIA EXPANSION	C	\$ 40,000.
09282	2014	REPLACE FIRE ALARM SYSTEM	C	\$ 40,000.
09277	2019	REPLACE CARPETS AND LINOLEUM IN OFFICE TOWER	C	\$ 200,000.
09273	2019	AUDIT: EXTERIOR SEALS ON OFFICE TOWER	C	\$ 20,000.
15790	2020	REPLACE MAIN SWITCHGEAR	C	\$ 22,000.
09287	2020	REPLACE INTERIOR LIGHTING SYSTEMS	C	\$ 115,000.
09286	2020	REPLACE EMERGENCY POWER TRANSFORMERS	C	\$ 8,000.
09285	2020	REPLACE ELECTRICAL TRANSFORMERS	C	\$ 15,000.
09284	2020	REPLACE HOT WATER HEATING SYSTEMS	C	\$ 40,000.
09288	2021	UPGRADE ELEVATOR NO. 2	C	\$ 70,000.
08363	2028	REPLACE BACKUP GENERATOR AND UPS SYSTEM	C	\$ 225,000.
BUDGET TOTAL FOR FACILITY.....				\$ 1,747,000.

FACILITY: BASELINE TRANSITWAY STATION FACNO: 07312 WARD: 08
ADDRESS: WOODROFFE AVE-01400

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08690	2008	REPLACE SKYLIGHT AND CANOPY GLAZING	C	\$ 6,000.
08694	2009	REPLACE SHELTER HEATING SYSTEMS	C	\$ 10,000.
08692	2010	REPAIR COLUMNS AT BASES	C	\$ 5,000.
08691	2010	REPLACE ALUMINUM ENTRANCE DOORS	C	\$ 15,000.
08689	2010	REPLACE WOOD BENCHES	C	\$ 20,000.
08693	2019	REPLACE SHELTER LIGHTING SYSTEMS	C	\$ 20,000.
08696	2025	REPLACE MAIN ELECTRICAL DISTRIBUTION CENTRE	C	\$ 50,000.
08695	2025	REPLACE GENERATOR AND TRANSFER SWITCH	C	\$ 70,000.
BUDGET TOTAL FOR FACILITY.....				\$ 196,000.

FACILITY: BAYSHORE TRANSITWAY STATION FACNO: 07731 WARD: 07
ADDRESS: WOODRIDGE DR-00050

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08920	2008	RECAULK EXPANSION JOINTS AT OVERPASS JUNCTION	C	\$ 5,000.
08923	2010	REPLACE INTERIOR DOORS AND FRAMES	C	\$ 15,000.
08922	2010	REPLACE EXTERIOR STEEL DOORS AND FRAMES	C	\$ 10,000.
08921	2010	REPLACE INTERIOR FLOOR FINISHES	C	\$ 35,000.
08930	2015	REPLACE FIRE ALARM PANELS	C	\$ 5,000.
08929	2015	REPLACE INFRARED HEATING SYSTEMS	C	\$ 10,000.
08928	2015	REPLACE SHELTER LIGHTING SYSTEMS	C	\$ 35,000.
08927	2015	REPLACE BENCHES	C	\$ 12,000.
08926	2015	REPLACE OFFICE COUNTER	C	\$ 7,000.
08925	2015	REPLACE EXTERIOR ALUMINUM ENTRANCE DOORS	C	\$ 30,000.

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

08924	2015	REPLACE ROOF	C	\$	100,000.
08933	2025	REPLACE GENERATOR, TXFR SWITCH AND FUEL TANK	C	\$	40,000.
08932	2025	REPLACE HEAT TRACE CABLES IN ROOF DRAINS	C	\$	8,000.
08931	2025	REPLACE MAIN ELECTRICAL DISTRIBUTION CENTRE	C	\$	50,000.

BUDGET TOTAL FOR FACILITY.....\$ 362,000.

FACILITY: BILLINGS BRIDGE TRANSITWAY STATION FACNO: 07317 WARD: 17
ADDRESS: BANK ST-01360

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08673	2008	REPLACE EXTERIOR STEEL DOOR FRAMES	C	\$ 8,000.
08677	2009	REPLACE INFRARED HEATING UNITS	C	\$ 65,000.
08676	2009	REPLACE EXISTING SHELTER LIGHTING	C	\$ 110,000.
08674	2010	REPLACE ALUMINUM ENTRANCE DOORS AND DOOR FRAMES	C	\$ 65,000.
08675	2011	REPLACE WOODEN BENCHES AND HANDRAILS THROUGHOUT	C	\$ 50,000.
08678	2025	REPLACE GENERATOR SYSTEM	C	\$ 60,000.

BUDGET TOTAL FOR FACILITY.....\$ 358,000.

FACILITY: BLAIR TRANSITWAY STATION FACNO: 07301 WARD: 11
ADDRESS: OGYLVIE RD-01980

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09189	2007	UPGRADE ELEVATOR TO BARRIER FREE	C	\$ 15,000.
09184	2007	REPLACE UPS SYSTEM WITH GENERATOR	C	\$ 150,000.
09181	2007	RECAULK CONTROL AND EXPANSION JOINTS	C	\$ 10,000.
09182	2008	REHABILITATE STAIRS	C	\$ 100,000.
09193	2010	REPLACE ELEVATOR HALLWAY DOORS	C	\$ 36,000.
09178	2010	REPLACE GLAZING UNITS	C	\$ 40,000.
09180	2011	REPLACE EXTERIOR DOORS AND FRAMES	C	\$ 40,000.
09186	2015	REPLACE FAN COIL AND RADIANT HEATERS	C	\$ 10,000.
09185	2015	REPLACE CONTROL SYSTEMS THROUGHOUT	C	\$ 10,000.
09179	2015	REPLACE STEEL FRAMING	C	\$ 50,000.
09192	2020	REMEDiate AND UPGRADE ELEVATOR CAB	C	\$ 45,000.
09190	2020	REPLACE ELEVATOR CONTROL SYSTEMS	C	\$ 150,000.
09191	2025	REPLACE ELEVATOR HYDRAULIC CYLINDER	C	\$ 150,000.
09187	2025	REPLACE ELECTRICAL PANELS AND DISTRIBUTION	C	\$ 60,000.
09183	2025	REPLACE FLOURESCENT LIGHTING THROUGHOUT	C	\$ 120,000.

BUDGET TOTAL FOR FACILITY.....\$ 986,000.

FACILITY: BUS STORAGE - PINECREST FACNO: 07296 WARD: 07
ADDRESS: QUEENSVIEW DR-02550

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08783	2007	REPLACE ROOF AREAS 1,2,8	C	\$ 430,000.
00775	2007	STRUCTURAL CONCRETE FLOOR REPLACEMENT	C	\$ 250,000.
08784	2007	REPLACE ROOF AREA 9,10	C	\$ 250,000.
00776	2007	STRUCTURAL CONCRETE FLOOR REPLACEMENT	C	\$ 250,000.
00772	2007	GRIND AND OVERLAY ASPHALT EXTERIOR	C	\$ 100,000.
08785	2008	REPLACE ROOF AREA 4,11,12	C	\$ 375,000.
00777	2008	STRUCTURAL CONCRETE FLOOR REPLACEMENT	C	\$ 250,000.
10162	2018	STRUCTURAL CONCRETE FLOOR REPLACEMENT - PHASE 1	C	\$ 250,000.
00773	2020	STRUCTURAL CONCRETE FLOOR REPLACEMENT - PHASE 2	C	\$ 450,000.

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

10225 2021 REPLACE ROOF AREA 7 C \$ 100,000.
BUDGET TOTAL FOR FACILITY.....\$ 2,705,000.

FACILITY: CAMPUS TRANSITWAY STATION FACNO: 07307 WARD: 12
ADDRESS: NICHOLAS ST-00301

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09015	2008	REPLACE SHELTER LIGHTING SYSTEMS	C \$	45,000.
09014	2008	REFINISH FLOOR SURFACES	C \$	5,000.
09019	2009	REPLACE RAILINGS AND BENCHES	C \$	10,000.
09018	2009	REPLACE STEEL EXTERIOR DOORS	C \$	5,000.
09017	2009	REPLACE GLASS BLOCK WINDOWS	C \$	6,000.
09016	2009	REPAIR STAIRS AND PLATFORMS	C \$	5,000.
09021	2010	REPLACE INFRARED HEATING SYSTEMS	C \$	10,000.
09020	2010	REPLACE ROADWAY LIGHTING	C \$	5,000.
09023	2015	REPLACE EXTERIOR ALUMINUM ENTRANCE DOORS	C \$	15,000.
09022	2015	REPLACE EXTERIOR GLAZING AND ALUMINUM FRAMES	C \$	50,000.
10044	2025	ADVANCE DESIGN - REPLACE INVERTER SYSTEM WITH GENE	C \$	15,000.
BUDGET TOTAL FOR FACILITY.....\$				171,000.

FACILITY: CARLING STATION - LIGHT RAIL FACNO: 06012 WARD: 16
ADDRESS: CARLING AVE-00843

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09810	2007	REPLACE CONCRETE/STEEL PAN STAIRS AND HEAT CABLES	A \$	55,000.
BUDGET TOTAL FOR FACILITY.....\$				55,000.

FACILITY: CITY WIDE FACNO: 00000 WARD: 00
ADDRESS: CITY WIDE

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
06454	2007	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06456	2008	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06457	2009	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06458	2010	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06459	2012	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06460	2013	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06461	2014	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06462	2015	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06463	2016	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06464	2017	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06465	2018	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06466	2019	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
06467	2020	CONTINGENCY PROGRAM: TRANSIT FACILITIES	E \$	100,000.
BUDGET TOTAL FOR FACILITY.....\$				1,300,000.

FACILITY: CYRVILLE TRANSITWAY STATION FACNO: 07302 WARD: 11
ADDRESS: 1197 CYRVILLE-RD

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
-------	------	-------------	------	--------

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

08855 2015 REPLACE POLES AND FIXTURES ON ROADWAY C \$ 15,000.
 08856 2025 REPLACE GENERATOR AND UPS SYSTEM C \$ 50,000.
 BUDGET TOTAL FOR FACILITY.....\$ 103,000.

FACILITY: NORTH GARAGE AND OFFICE - OC TRANSP FACNO: 07293 WARD: 18
 ADDRESS: ST LAURENT BLVD-01500

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09292	2008	REPLACE TERRAZO FLOORING IN OFFICE AREA	C \$	40,000.
09291	2008	REPLACE INTERIOR DOORS IN OFFICE AREA	C \$	6,000.
09295	2009	REPLACE EXTERIOR DOORS IN REPAIR BAYS	C \$	9,000.
09294	2009	REPLACE EXTERIOR DOORS BUS STORAGE AREA	C \$	8,000.
09293	2009	REPAIRS TO METAL SIDING AND PRECAST BUS STORAGE AR	C \$	12,000.
08789	2009	REPLACE ROOF AREA 4,8,5	C \$	375,000.
09296	2010	REPLACE HVAC AND HEAT RECOVERY SYSTEMS BUS STORAGE	C \$	220,000.
08788	2010	REPLACE ROOF AREA 13,16	C \$	125,000.
08787	2010	REPLACE ROOF AREA 7,14	C \$	165,000.
09297	2012	REPLACE OVERHEAD DOORS TO REPAIR BAYS	C \$	80,000.
08790	2012	REPLACE ROOF AREA 6,7,17	C \$	320,000.
09309	2013	REPLACE FIRE ALARM SYSTEM IN OFFICE AREA	C \$	35,000.
09308	2013	REPLACE SWITCHES AND TRANSFORMERS IN OFFICE AREA	C \$	35,000.
09307	2013	REPLACE GAS FIRED WATER STORAGE TANK IN OFFICE ARE	C \$	10,000.
09306	2013	REPLACE HVAC SYSTEMS IN OFFICE AREA	C \$	80,000.
09305	2013	REPLACE LIGHTING FIXTURES IN PAINT BODY SHOP	C \$	22,000.
09304	2013	REPLACE TXFRS AND STARTERS IN PAINT BODY SHOP	C \$	8,000.
09303	2013	REPLACE UNIT HTRS AND HEAT RECOVERY IN PAINT BODY	C \$	100,000.
09302	2013	REPLACE LIGHTING FIXTURES IN REPAIR BAYS	C \$	64,000.
09301	2013	REPLACE TXFRS AND STARTERS IN REPAIR BAYS	C \$	30,000.
09300	2013	REPLACE UNIT HTRS AND HEAT RECOVERY IN REPAIR BAYS	C \$	100,000.
09299	2013	REPLACE LIGHTING FIXTURES BUS STORAGE AREA	C \$	120,000.
09298	2013	REPLACE TXFRS AND STARTERS IN BUS STORAGE AREA	C \$	8,000.
09310	2014	REPLACE FLUID PUMPS AND VALVES IN REPAIR BAYS	C \$	30,000.
09312	2015	REPLACE MAIN ENTRANCE DOORS IN OFFICE AREA	C \$	5,000.
09311	2015	REPLACE EXTERIOR CAULKING NORTH GARAGE	C \$	25,000.
09290	2015	REPLACE EMERGENCY BATTERY UNITS IN REPAIR BAYS	C \$	5,000.
09289	2015	REPLACE EMERGENCY BATTERY UNITS IN BUS STORAGE ARE	C \$	7,500.
09313	2018	REPAIR INSPECTION PIT FLOORS AND WALLS REPAIR BAYS	C \$	20,000.
09314	2019	REPLACE SECOND FLOOR CARPET IN OFFICE AREA	C \$	15,000.
09317	2020	REPLACE OVERHEAD DOOR DISCONNECTS IN REPAIR BAYS	C \$	7,000.
09316	2020	REPLACE HYDRAULIC PUMPS FOR BUS HOISTS REPAIR BAYS	C \$	40,000.
09315	2020	REPLACE OVERHEAD DOOR DISCONNECTS BUS STORAGE AREA	C \$	7,000.
BUDGET TOTAL FOR FACILITY.....\$				2,133,500.

FACILITY: OFFICE - G.M. BUILDING - OC TRANSP FACNO: 07299 WARD: 18
 ADDRESS: BELFAST RD-00875

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08429	2024	PARATRANSPO DEPOT ROOF REPLACEMENT	C \$	300,000.
08773	2025	REPLACE ROOF AREA 1	C \$	300,000.
BUDGET TOTAL FOR FACILITY.....\$				600,000.

FACILITY: OFFICE AND GARAGE - MERIVALE - OC TRANSP FACNO: 07297 WARD: 03
 ADDRESS: COLONNADE RD-00164

NOTE: This forecast subject to change without notice.
 All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09245	2007	REPLACE FLOORING IN LOCKEROOMS, STAIRS IN DISPATCH	C	\$ 20,000.
08778	2007	REPLACE ROOF AREA 2	C	\$ 220,000.
04586	2007	REPLACE EXISTING BUS WASHER	C	\$ 450,000.
09246	2008	REPLACE LIGHTING IN DISPATCH AND LOUNGE AREA	C	\$ 28,000.
09236	2008	REPLACE COUNTDOWN AREA LIGHTING SYSTEMS	C	\$ 55,000.
09235	2008	REPLACE EMERGENCY POWER PANELS AND STARTERS	C	\$ 18,000.
09234	2008	REPLACE STARTERS IN COUNTDOWN AREA	C	\$ 18,000.
09233	2008	REPLACE BUS VACUUM EQUIPMENT	C	\$ 200,000.
09232	2008	REPLACE BUS WASH EQUIPMENT	C	\$ 200,000.
09230	2008	REPLACE FUEL AND FLUIDS DISTRIBUTION SYSTEM	C	\$ 250,000.
09228	2008	REPLACE EXTERIOR LIGHTING BUS STORAGE AREA	C	\$ 32,000.
09227	2008	REPLACE LIGHTING IN BUS STORAGE AREA	C	\$ 100,000.
09225	2008	REPLACE PANELS TXFRS AND STARTERS IN BUS STORAGE A	C	\$ 140,000.
09247	2009	REPLACE INTERIOR DOORS NEW REPAIR BAYS	C	\$ 6,000.
09238	2009	REPLACE MAN-DOORS IN ORIGINAL REPAIR BAYS	C	\$ 15,000.
09237	2009	REPLACE O/H DOORS IN ORIGINAL REPAIR BAYS	C	\$ 10,000.
09250	2010	REPLACE ELECTRICAL PANELS IN TIRE REPAIR BAY	C	\$ 10,000.
09249	2010	REPLACE AIR COMPRESSOR IN TIRE REPAIR BAY	C	\$ 10,000.
09248	2010	REPLACE UNIT HEATERS AND HVAC SYSTEMS IN TIRE REPA	C	\$ 55,000.
09242	2010	REPLACE LIGHTING FIXTURES IN ORIGINAL REPAIR BAYS	C	\$ 95,000.
09239	2010	REPLACE HVAC SYSTEMS IN ORIGINAL REPAIR BAYS	C	\$ 350,000.
09231	2010	REPLACE COUNTDOWN AREA HVAC SYSTEMS	C	\$ 300,000.
09253	2012	REPLACE ELECTRICAL PANELS IN NEW REPAIR BAYS	C	\$ 7,000.
09252	2012	REPLACE SERVICE PIPING IN NEW REPAIR BAYS	C	\$ 50,000.
09251	2012	REPLACE HVAC SYSTEMS IN NEW REPAIR BAYS	C	\$ 130,000.
10603	2013	REPAIR AND RE-CAULK EXTERIOR PRECAST PANELS	C	\$ 125,000.
09255	2013	REPLACE ELECTRIC HEATERS IN LOUNGE DISPATCH AREA	C	\$ 7,000.
09254	2013	REPLACE STARTERS AND CONTACTORS IN LOUNGE DISPATCH	C	\$ 14,000.
09243	2013	REPLACE O/H DOOR DISCONNECTS IN ORIGINAL REPAIR BA	C	\$ 10,000.
09241	2013	REPLACE EMERGENCY PANELS AND TXFRS ORIGINAL REPAIR	C	\$ 19,000.
09240	2013	REPLACE PANELS STARTERS AND TXFRS ORIGINAL REPAIR	C	\$ 72,000.
09257	2015	REPLACE FIRE ALARM SYSTEM	C	\$ 70,000.
09256	2015	REPLACE LIGHTING FIXTURES IN TIRE REPAIR BAY	C	\$ 15,000.
09260	2017	REPLACE EMERGENCY LIGHTING FIXTURES IN NEW REPAIR	C	\$ 30,000.
09259	2017	REPLACE LIGHTING FIXTURES IN NEW REPAIR BAYS	C	\$ 30,000.
09258	2017	REPLACE WASTE OIL STORAGE TANK IN NEW REPAIR BAYS	C	\$ 75,000.
09223	2017	REPLACE WALL TILES IN STEAM BAY	C	\$ 10,000.
09263	2019	REPLACE EXHAUST FANS IN DISPATCH LOUNGE AREA	C	\$ 8,000.
09935	2020	REPLACE ROOF AREA 15	C	\$ 150,000.
09264	2020	REPLACE MAIN ENTRANCE DOORS IN DISPATCH LOUNGE ARE	C	\$ 8,000.
09262	2020	REPLACE ELECTRICAL PANELS IN TIRE REPAIR BAYS	C	\$ 20,000.
09261	2020	REPLACE EXTERIOR DOORS IN NEW REPAIR BAYS	C	\$ 6,000.
08775	2020	REPLACE ROOF AREA 13,14,23	C	\$ 360,000.
09267	2023	REPLACE EXTERIOR WINDOWS IN LOUNGE DISPATCH AREA	C	\$ 50,000.
09266	2023	REPLACE EXTERIOR WINDOWS IN TIRE REPAIR BAY	C	\$ 8,000.
09265	2023	REPLACE EXTERIOR WINDOWS IN NEW REPAIR BAYS	C	\$ 10,000.
09229	2023	REPLACE EXTERIOR WINDOWS COUNTDOWN AREA	C	\$ 15,000.
08585	2024	REPLACE COUNTDOWN AREA SYSTEMS	C	\$ 1,500,000.
09224	2025	REPLACE COMPRESSED AIR TANK IN ORIGINAL REPAIR BAY	C	\$ 15,000.
09222	2025	REPLACE HVAC SYSTEMS IN BUS STORAGE AREA	C	\$ 187,500.
BUDGET TOTAL FOR FACILITY.....				\$ 5,583,500.

FACILITY: OFFICE AND GARAGE- 805 BELFAST FACNO: 07295 WARD: 18
ADDRESS: BELFAST RD-00875

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
-------	------	-------------	------	--------

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

08771	2008	REPLACE ROOF AREA 1,2	C	\$	150,000.
08772	2009	REPLACE ROOF AREA 3,4,5	C	\$	230,000.
04589	2022	REPLACE ROOF	C	\$	180,000.
04588	2024	REPLACE OIL WATER INTERCEPTOR	C	\$	100,000.
10155	2033	ADVANCE DESIGN - REPLACE STORM DRAIN SEWER	C	\$	20,000.
08255	2035	REPLACE STORM DRAIN SEWER - PHASE 2	C	\$	337,500.
BUDGET TOTAL FOR FACILITY.....\$					1,017,500.

FACILITY: PLACE D'ORLEANS TRANSITWAY STATION FACNO: 07300 WARD: 01
ADDRESS: PLACE D'ORLEANS-01231

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET	
09992	2007	REPLACE WOOD BENCHES	C	\$ 15,000.	
09986	2007	REPLACE CANOPY GLAZING - MULTI YEAR PROGRAM	C	\$ 5,000.	
10006	2009	REPLACE INFRARED HEATING SYSTEMS	C	\$ 60,000.	
10005	2009	REPLACE SHELTER LIGHTING FIXTURES	C	\$ 120,000.	
09993	2009	REPAIR OR REFINISH CANOPIES, COLUMNS AND SUPPORTS	C	\$ 10,000.	
09987	2009	REPLACE CANOPY GLAZING - MULTI YEAR PROGRAM	C	\$ 5,000.	
09996	2010	REPLACE INTERIOR CEILINGS	C	\$ 5,000.	
09995	2010	REPLACE SIGN FRAMES AND SUPPORTS	C	\$ 13,000.	
09994	2010	REPLACE EXTERIOR CAULKING	C	\$ 10,000.	
09988	2010	REPLACE CANOPY GLAZING - MULTI YEAR PROGRAM	C	\$ 10,000.	
10007	2015	REPLACE FIRE ALARM PANELS (2)	C	\$ 6,000.	
10002	2015	REPLACE COUNTER TOPS AND MILLWORK	C	\$ 5,000.	
10001	2015	REPLACE TOILET PARTITIONS	C	\$ 5,000.	
10000	2015	REPLACE CERAMIC ON WASHROOM WALLS	C	\$ 6,000.	
09999	2015	REPLACE FLOORS IN WASHROOM AND LOBBY	C	\$ 50,000.	
09998	2015	REPLACE EXTERIOR STEEL DOORS	C	\$ 13,000.	
09997	2015	REPLACE ALUMINUM ENTRANCE DOORS	C	\$ 35,000.	
09989	2015	REPLACE CANOPY GLAZING - MULTI YEAR PROGRAM	C	\$ 10,000.	
10004	2020	REPAIR OR REFINISH CANOPIES, COLUMNS AND SUPPORTS	C	\$ 10,000.	
10003	2020	REPLACE EXTERIOR ALUMINUM FRAMES	C	\$ 100,000.	
09990	2020	REPLACE CANOPY GLAZING - MULTI YEAR PROGRAM	C	\$ 10,000.	
10011	2025	REPLACE EMERGENCY GENERATOR SYSTEM AND TRANSFER SW	C	\$ 55,000.	
10010	2025	REPLACE EMERGENCY GENERATOR SYSTEM	C	\$ 50,000.	
10009	2025	REPLACE A/C UNIT OVER TICKET OFFICE	C	\$ 10,000.	
10008	2025	REPLACE ELECTRICAL PANELS THROUGHOUT	C	\$ 20,000.	
09991	2025	REPLACE CANOPY GLAZING - MULTI YEAR PROGRAM	C	\$ 10,000.	
BUDGET TOTAL FOR FACILITY.....\$					648,000.

FACILITY: PLEASANT PARK TRANSITWAY STATION FACNO: 07316 WARD: 18
ADDRESS: PLEASANT PARK-000100

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET	
08936	2009	REPLACE INFRARED HEATING SYSTEMS	C	\$ 5,000.	
08935	2009	REPLACE SHELTER LIGHTING FIXTURES	C	\$ 10,000.	
08934	2009	REPLACE FLOOR FINISHES	C	\$ 10,000.	
08939	2015	REPLACE ROADWAY LIGHTING	C	\$ 8,000.	
08938	2015	REPLACE EXTERIOR ALUMINUM ENTRANCE DOORS	C	\$ 8,000.	
08937	2015	REPLACE EXTERIOR GLAZING	C	\$ 25,000.	
BUDGET TOTAL FOR FACILITY.....\$					66,000.

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

09365	2016	REPLACE TXFRS AND STARTERS IN INSPECTION/DYNO BAYS	C	\$	10,000.
10060	2018	REPLACE ROOF AREA 11	C	\$	250,000.
08623	2018	RESURFACE ASPHALT ON SURROUNDING ROADWAY	C	\$	150,000.
09395	2019	REPLACE LIGHTING FIXTURES IN NORTH SIDE BAYS	C	\$	75,000.
09394	2019	REPLACE PANELS, STARTERS AND TXFRS NORTH SIDE BAYS	C	\$	80,000.
09384	2019	REPLACE MAIN LIGHTING FIXTURES IN SHOP AREAS	C	\$	15,000.
09360	2019	REPLACE LIGHTING FIXTURES IN TURNING AREA	C	\$	40,000.
09356	2019	REPLACE COUNTDOWN AREA LIGHTING FIXTURES	C	\$	16,000.
15795	2020	REPLACE AIR HANDLING UNITS - HVAC 4 & 5	C	\$	45,000.
09393	2020	REPLACE PUMPS AND MOTORS FOR NORTH SIDE BUS HOISTS	C	\$	40,000.
09388	2020	REPLACE HYDRAULIC PUMPS AND MOTORS FOR BUS HOISTS	C	\$	40,000.
09327	2020	REPLACE WELDING SHOP OVERHEAD DOOR	C	\$	10,000.
09353	2023	REPLACE DIESEL FUELING SYSTEM COUNTDOWN AREA	C	\$	200,000.
09352	2023	REPLACE BUS VACUUM SYSTEM	C	\$	160,000.
09351	2023	REPLACE BUS WASH EQUIPMENT	C	\$	400,000.
09347	2023	REPLACE BUS WASH ENCLOSURE	C	\$	20,000.
15781	2025	REPLACE OIL INTERCEPTOR	C	\$	100,000.
09319	2025	REPLACE HEAT RECOVERY UNITS IN BUS STORAGE AREA	C	\$	54,000.

BUDGET TOTAL FOR FACILITY.....\$ 4,741,000.

FACILITY: SOUTH KEYS TRANSITWAY STATION FACNO: 07321 WARD: 10
ADDRESS: BANK ST-02210

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08859	2009	REPLACE LIGHTING IN SHELTERS	C	\$ 67,000.
08862	2010	REPLACE SINGLE SUMP PUMP STATIONS	C	\$ 7,000.
08861	2010	REPLACE RADIANT HEATING SYSTEMS	C	\$ 8,000.
08860	2010	REPLACE INTERIOR DOORS AND FRAMES	C	\$ 8,000.
08864	2015	REPLACE GENERATOR AND TRANSFER SWITCH	C	\$ 24,000.
08863	2015	REPLACE ALUMINUM ENTRANCE DOORS	C	\$ 20,000.

BUDGET TOTAL FOR FACILITY.....\$ 134,000.

FACILITY: ST LAURENT TRANSITWAY STATION FACNO: 07303 WARD: 18
ADDRESS: ST LAURENT BLVD-01300

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09151	2007	REPLACE ESCALATOR (#2 OF 4)	C	\$ 300,000.
10045	2007	REPLACE ESCALATOR (#3 OF 4)	C	\$ 250,000.
09147	2007	UPGRADE ELEVATOR TO BARRIER FREE	C	\$ 10,000.
10046	2008	REPLACE ESCALATOR (#4 OF 4)	C	\$ 250,000.
09141	2008	REHABILITATE STAIRS	C	\$ 100,000.
09153	2009	REPLACE EXHAUST FANS AND DAMPERS	C	\$ 100,000.
09142	2009	REPLACE FLOURESCENT LIGHTING THROUGHOUT	C	\$ 95,000.
09139	2011	REPLACE EXTERIOR DOORS AND FRAMES	C	\$ 30,000.
09137	2012	REPLACE GLAZING UNITS	C	\$ 30,000.
09144	2015	REPLACE FAN COIL AND RADIANT HEATERS	C	\$ 12,000.
09143	2015	REPLACE CONTROL SYSTEMS THROUGHOUT	C	\$ 15,000.
10638	2016	REPLACE ESCALATOR (#1 OF 4)	C	\$ 250,000.
09152	2020	REPLACE GENSET	C	\$ 80,000.
09150	2020	REMEDiate AND UPGRADE ELEVATOR CAB	C	\$ 30,000.
09148	2020	REPLACE ELEVATOR CONTROL SYSTEMS	C	\$ 100,000.
09138	2020	REPLACE STEEL FRAMING	C	\$ 50,000.
09149	2025	REPLACE ELEVATOR HYDRAULIC CYLINDER	C	\$ 100,000.
09145	2025	REPLACE ELECTRICAL PANELS AND DISTRIBUTION	C	\$ 150,000.

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

**RPAM COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE LIFE-CYCLE RENEWAL FORECAST
TRANSIT FACILITIES 2007 – 2030**

BUDGET TOTAL FOR FACILITY.....\$ 1,952,000.

FACILITY: TRANSITWAY GENERAL FACILITIES FACNO: 11152 WARD: 00
ADDRESS: CITY WIDE

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
06117	2007	ANNUAL TRANSITWAY SHELTER/BENCH REPLACEMENT PROGRA	C \$	500,000.
06116	2007	ANNUAL MAP CASE AND ROUTE BOX REPLACEMENT PROGRAM	C \$	100,000.
06119	2008	ANNUAL TRANSITWAY SHELTER/BENCH REPLACEMENT PROGRA	C \$	500,000.
06118	2008	ANNUAL MAP CASE AND ROUTE BOX REPLACEMENT PROGRAM	C \$	100,000.
06121	2009	ANNUAL TRANSITWAY SHELTER/BENCH REPLACEMENT PROGRA	C \$	500,000.
06120	2009	ANNUAL MAP CASE AND ROUTE BOX REPLACEMENT PROGRAM	C \$	100,000.
06123	2010	ANNUAL TRANSITWAY SHELTER/BENCH REPLACEMENT PROGRA	C \$	500,000.
06122	2010	ANNUAL MAP CASE AND ROUTE BOX REPLACEMENT PROGRAM	C \$	100,000.

BUDGET TOTAL FOR FACILITY.....\$ 2,400,000.

FACILITY: TUNNEYS PASTURE TRANSITWAY STATION FACNO: 07308 WARD: 15
ADDRESS: SCOTT ST-01621

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
09172	2007	UPGRADE ELEVATOR TO BARRIER FREE	C \$	10,000.
09164	2007	RECAULK CONTROL AND EXPANSION JOINTS	C \$	10,000.
09160	2007	REMEDIAE STEEL FRAMING AND PRECAST	C \$	10,000.
09165	2008	REHABILITATE STAIRS	C \$	100,000.
09176	2010	REPLACE ELEVATOR HALLWAY DOORS	C \$	16,000.
09161	2010	REPLACE GLAZING UNITS	C \$	40,000.
09163	2011	REPLACE EXTERIOR DOORS AND FRAMES	C \$	40,000.
09169	2015	REPLACE FAN COIL AND RADIANT HEATERS	C \$	10,000.
09168	2015	REPLACE CONTROL SYSTEMS THROUGHOUT	C \$	10,000.
09162	2015	REPLACE STEEL FRAMING	C \$	50,000.
09175	2020	REMEDIAE AND UPGRADE ELEVATOR CAB	C \$	30,000.
09173	2020	REPLACE ELEVATOR CONTROL SYSTEMS	C \$	80,000.
09174	2025	REPLACE ELEVATOR HYDRAULIC CYLINDER	C \$	100,000.
09170	2025	REPLACE ELECTRICAL PANELS AND DISTRIBUTION	C \$	30,000.
09166	2025	REPLACE FLOURESCENT LIGHTING THROUGHOUT	C \$	30,000.
09167	2030	REPLACE UPS SYSTEM WITH GENERATOR	C \$	75,000.

BUDGET TOTAL FOR FACILITY.....\$ 641,000.

FACILITY: WALKLEY LIGHT RAIL MAINTENANCE SHOP FACNO: 07732 WARD: 10
ADDRESS: ALBION RD NORTH-03101

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
12737	2034	REPLACE ELECTRICAL DISTRIBUTION	C \$	110,000.

BUDGET TOTAL FOR FACILITY.....\$ 110,000.

FACILITY: WALKLEY TRANSITWAY STATION FACNO: 07319 WARD: 17
ADDRESS: WALKLEY RD-01160

REFNO	YEAR	DESCRIPTION	VPKG	BUDGET
08886	2008	REPAIR AND REFINISH CANOPIES	C \$	5,000.

NOTE: This forecast subject to change without notice.
All events subject to funding availability and Council approval

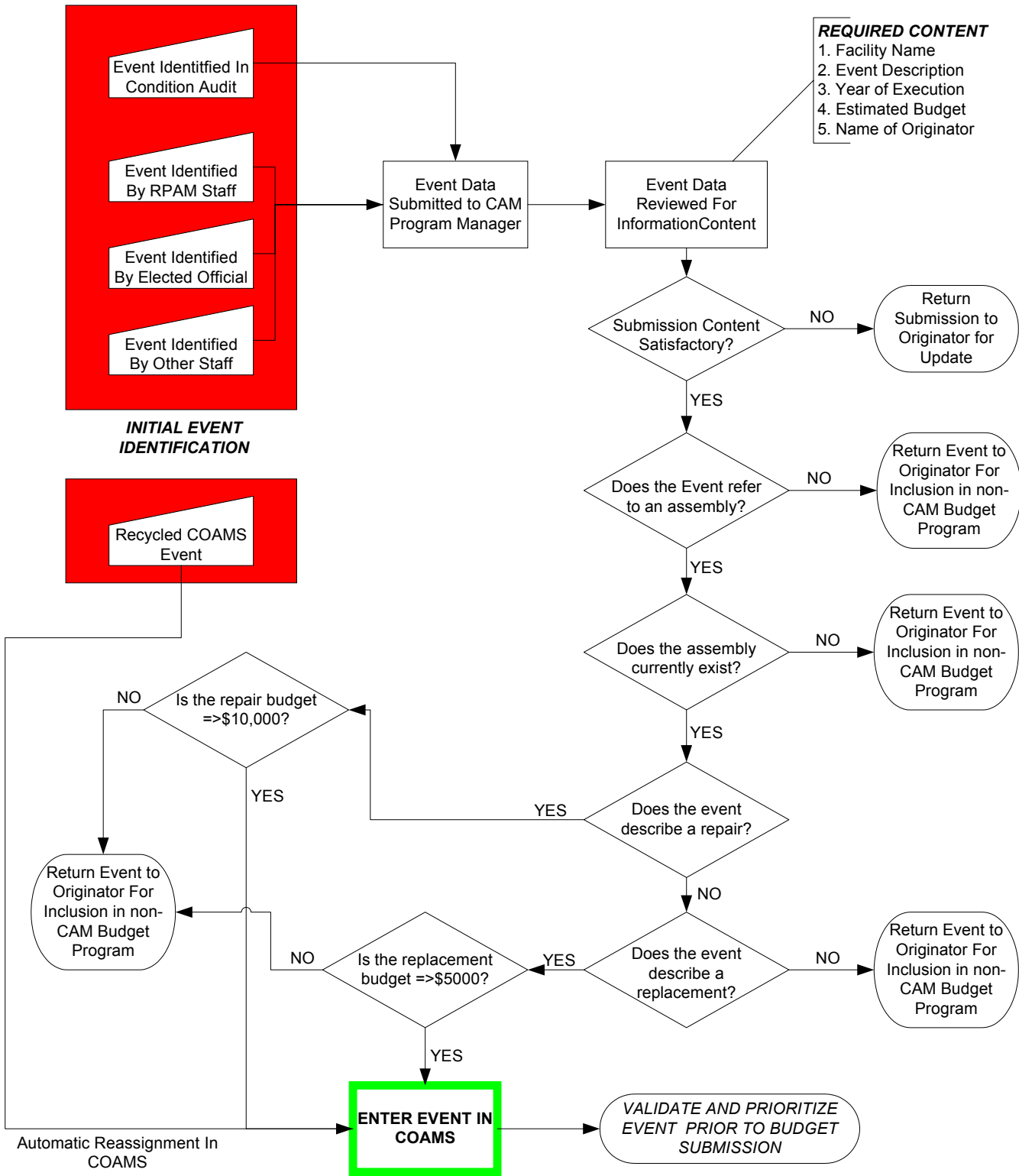
COMPREHENSIVE ASSET MANAGEMENT
 MAJOR TRANSIT FACILITIES
 EFFECTIVE REPLACEMENT VALUE SCHEDULE

FAC NO	FACILITY NAME	STREET ADDRESS	FACILITY TYPE	YRBUILT	BLDG AREA	REPLVALUE
07292	ADMINISTRATION BUILDING - OC TRANSPO	ST LAURENT BLVD-01500	OPERATIONS CLASS ADMIN BUILDING	1959	68680 \$	8,413,300
07296	BUS STORAGE - PINECREST	QUEENSVIEW DR-02550	VEHICLE STORAGE AND MAINTENANCE FACILITY	1976	134715 \$	27,413,155
07293	NORTH GARAGE AND OFFICE - OC TRANSPO	ST LAURENT BLVD-01500	VEHICLE STORAGE AND MAINTENANCE FACILITY	1989	165846 \$	33,748,003
07297	OFFICE AND GARAGE - MERIVALE - OC TRANSPO	COLONNADE RD-00164	VEHICLE STORAGE AND MAINTENANCE FACILITY	1978	212197 \$	43,179,968
07295	OFFICE AND GARAGE- 875 BELFAST	BELFAST RD-00875	OPERATIONS CLASS ADMIN BUILDING	1960	45776 \$	9,314,958
07294	SOUTH GARAGE - ST. LAURENT	ST LAURENT BLVD-01500	VEHICLE STORAGE AND MAINTENANCE FACILITY	1959	216614 \$	44,078,783
07303	ST LAURENT TRANSITWAY STATION	ST LAURENT BLVD-01300	TRANSITWAY STATION	1987	46329 \$	5,999,606
07298	STORAGE BUILDING - BOYD	BELFAST RD-00805	STORAGE FACILITY	1950	37342 \$	4,835,789

**COMPREHENSIVE ASSET MANAGEMENT
REAL PROPERTY INFRASTRUCTURE AUDIT SUMMARY - TRANSIT FACILITIES**

FACILITY NAME	LAST AUDIT	INTERNAL/EXTERNAL	AUDIT TYPE
LYCEE CLAUDEL TRANSITWAY STATION	19-Jan-04	INTERNAL	TYPE II BUILDING CONDITION
BASELINE TRANSITWAY STATION	15-Mar-04	INTERNAL	TYPE III BUILDING CONDITION
BAYSHORE TRANSITWAY STATION	15-Apr-04	INTERNAL	TYPE III BUILDING CONDITION
BILLINGS BRIDGE TRANSITWAY STATION	18-Feb-04	INTERNAL	TYPE II BUILDING CONDITION
BLAIR TRANSITWAY STATION	23-May-04	EXTERNAL	TYPE II BUILDING CONDITION
CAMPUS TRANSITWAY STATION	23-May-04	INTERNAL	TYPE III BUILDING CONDITION
CARLETON STATION - LIGHT RAIL	27-Sep-04	INTERNAL	TYPE III BUILDING CONDITION
CARLING STATION - LIGHT RAIL	27-Sep-04	INTERNAL	TYPE III BUILDING CONDITION
CONFEDERATION HEIGHTS STATION - LIGHT RAIL	27-Sep-04	INTERNAL	TYPE III BUILDING CONDITION
CYRVILLE TRANSITWAY STATION	23-May-04	INTERNAL	TYPE III BUILDING CONDITION
EAGLESON TRANSITWAY STATION: PARK & RIDE	15-Jun-04	INTERNAL	TYPE III BUILDING CONDITION
GREENBORO TRANSITWAY STATION	15-Apr-04	INTERNAL	TYPE III BUILDING CONDITION
HERON TRANSITWAY STATION	15-Apr-04	INTERNAL	TYPE III BUILDING CONDITION
HURDMAN TRANSITWAY STATION	23-May-04	EXTERNAL	TYPE II BUILDING CONDITION
IRIS TRANSITWAY STATION	15-Mar-04	INTERNAL	TYPE III BUILDING CONDITION
LEBRETON TRANSITWAY STATION	10-Apr-04	INTERNAL	TYPE III BUILDING CONDITION
LEES TRANSITWAY STATION	23-May-04	EXTERNAL	TYPE II BUILDING CONDITION
LINCOLN FIELDS TRANSITWAY STATION	12-Mar-03	INTERNAL	TYPE III BUILDING CONDITION
OFFICE AND GARAGE - MERIVALE - OC TRANSP	23-Jun-04	EXTERNAL	TYPE II BUILDING CONDITION
ADMINISTRATION BUILDING - OC TRANSP	23-Jun-04	EXTERNAL	TYPE II BUILDING CONDITION
NORTH GARAGE AND OFFICE - OC TRANSP	23-Jun-04	EXTERNAL	TYPE II BUILDING CONDITION
SOUTH GARAGE - ST. LAURENT	23-Jun-04	EXTERNAL	TYPE II BUILDING CONDITION
BUS STORAGE - PINECREST	07-Feb-04	EXTERNAL	TYPE II BUILDING CONDITION
PLACE D'ORLEANS TRANSITWAY STATION	10-Oct-04	INTERNAL	TYPE III BUILDING CONDITION
PLEASANT PARK TRANSITWAY STATION	15-Apr-04	INTERNAL	TYPE III BUILDING CONDITION
QUEENSWAY TRANSITWAY STATION	23-May-04	EXTERNAL	TYPE II BUILDING CONDITION
SMYTH TRANSITWAY STATION	19-Jan-04	INTERNAL	TYPE II BUILDING CONDITION
SOUTH KEYS TRANSITWAY STATION	25-Feb-04	INTERNAL	TYPE II BUILDING CONDITION
ST LAURENT TRANSITWAY STATION	23-May-04	EXTERNAL	TYPE II BUILDING CONDITION
TUNNEYS PASTURE TRANSITWAY STATION	23-May-04	EXTERNAL	TYPE II BUILDING CONDITION
WALKLEY LIGHT RAIL MAINTENANCE SHOP	20-Jun-04	INTERNAL	TYPE III BUILDING CONDITION
WALKLEY TRANSITWAY STATION	04-Apr-04	INTERNAL	TYPE III BUILDING CONDITION
WESTBORO TRANSITWAY STATION	20-May-04	EXTERNAL	TYPE II BUILDING CONDITION
DOMINION TRANSITWAY STATION	15-May-04	INTERNAL	TYPE III BUILDING CONDITION
GREENBORO LIGHT RAIL STATION	27-Sep-04	INTERNAL	TYPE III BUILDING CONDITION
DOW'S LAKE TUNNEL UTILITY STATION	15-Oct-04	EXTERNAL	TYPE II BUILDING CONDITION
FALLOWFIELD TRANSITWAY STATION	15-Jun-04	INTERNAL	TYPE III BUILDING CONDITION

CAM Lifecycle Event Qualification Process Flowchart



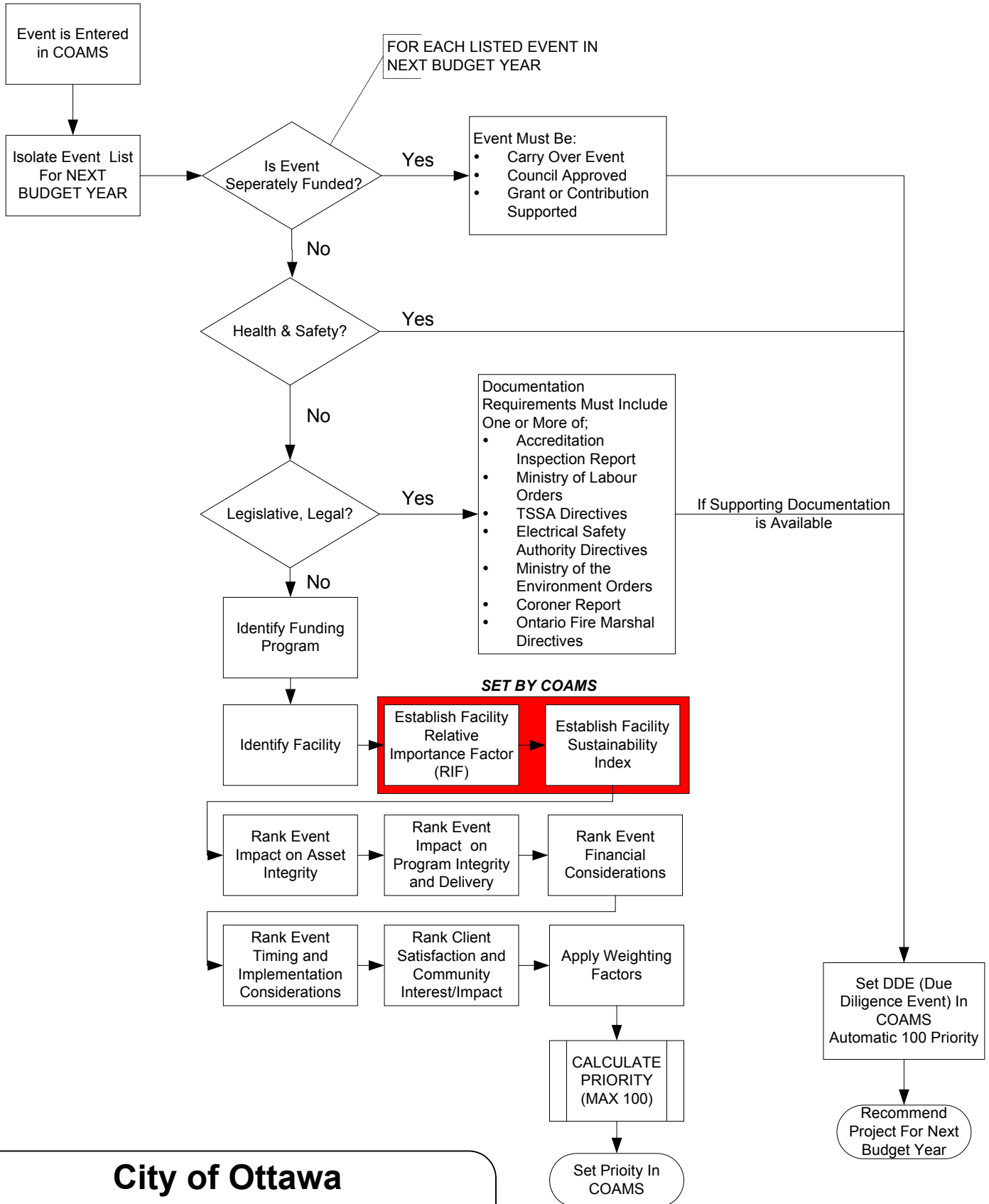
City of Ottawa

RPAM/CAM

2004-09-27

Strategic Asset Management

CAM Prioritization Tool Process Flowchart



THE CITY OF OTTAWA BUILDINGS ACCESSIBILITY RETROFIT PROGRAM

The City of Ottawa owns and operates in excess of 740 buildings supporting the delivery of municipal programs and services. In total, the gross area of the corporate portfolio exceeds 12 million square feet, with an estimated replacement value of \$ 2.0 billion.

The purpose of the Building Accessibility Retrofit Program (BARP) is to;

- 1. Provide for the identification of existing barriers within City facilities and to;***
- 2. Fund a wide assortment of modifications and adjustments with intent to remove the identified barriers.***

The BARP is managed by the Comprehensive Asset Management (CAM) Division of the Real Property Asset Management (RPAM) Branch. This program applies to all City facilities, including those specifically associated with the delivery of Public Transit services. Accordingly, any buildings identified in the Transit Asset Management Plan are considered to be a part of the Corporate-wide buildings accessibility retrofit program. In the case of Public Transit assets, the BARP is complemented by a parallel effort targeted on the removal of barriers associated with the vehicle fleet and other elements of the supporting infrastructure, (which must also be accessible).

This annual buildings accessibility capital work-plan is required to ensure that public facilities remain accessible to all residents of the City, including City staff, and is considered to be an integral element of the City of Ottawa Municipal Accessibility Plan (COMAP) as required by the Accessibility for Ontarians with Disabilities Act (AODA).

Part of the funding allotted under this program is directed towards the completion of accessibility audits in order to identify barriers as called for by this provincial legislation. Further, the completion of accessibility work may entail a small increase in the operating budget account for the maintenance and repair of automatic door operators, special lifts and elevator controls if they are configured in the accessibility retrofit work.

In establishing a permanent strategy for the removal of barriers, the City is developing and implementing specific technical guidelines for accessibility based on both the current Ontario Building Code (OBC) and the prevailing CSA Standard; Accessible Design for the Built Environment.

For each building element subject to accessibility review, the City will examine both the OBC and CSA guidelines that apply, selecting the more stringent standard of the two, where technically feasible and economically viable. The selected standard is then included in the recommended City guidelines for barrier removal through the Buildings Accessibility Retrofit Program.

CITY OF OTTAWA REAL PROPERTY STRATEGIC ASSET MANAGEMENT

The Real Property Asset Management Branch of the City of Ottawa is responsible for the operation, maintenance, and capital renewal of all City owned facilities. Under an established “centre of expertise model”, the RPAM Branch is required to accurately communicate the corporate, fiscal, political and operational reality of any property requirement to all impacted staff and stakeholders.

The RPAM Strategic Asset Management group engages with the principal client departments, in order to assess their specific program needs as these relate to the requirement for a particular property solution. Strategic Asset Management staff translate the conceptual needs of a client department into an end-state property solution which must be affordable, viable, functional and sustainable. Further, that solution should be accomplished at the most reasonable whole-life cost to the organization as a whole.

To that end, the Strategic Asset Management team has developed a series of processes and analytical tools which allow for the evaluation of a variety of property solutions and the ultimate identification of the solution with the best overall capacity to meet client objectives and to satisfy Corporate goals.

In brief, however, the real property Strategic Asset Management function encompasses five lines of business, specifically;

1. Capital Asset and Portfolio Planning
2. Validation, Inspection and Audit
3. Support for Corporate Initiatives
4. Property Solution Analysis and Development
5. Asset Rationalization

In considering the objectives of any Transit Asset Management Plan, it is necessary to apply one or more of these business lines throughout the development process for any resulting strategy which impacts the real property portfolio.

In particular, the process requires that we rationalize any new assets (acquired or built), that we evolve an appropriate property solution where required and, most importantly, that we analyze and assess the impacts of growth or change on the existing portfolio. Further, it is critical to note that changes to the transit asset base often impact facilities *external* to this portfolio.

Property solution analysis and development for the Transit Services client is not limited to those facilities specific to that client, but must also consider the disposition, modification, relocation or demolition of other real property assets which might impede or impact growth of the transit system. This may be as simple as the allocation of a right of way across an existing vacant property, but it may extend to the enforced relocation of a major property supporting an entirely different municipal business function.