## REGIONAL MUNICIPALITY OF OTTAWA-CARLETON MUNICIPALITÉ RÉGIONALE D'OTTAWA-CARLETON

### MEMORANDUM NOTE DE SERVICE

Our File/N/Réf.

**50** 67-98-2001

<u>Information Previously Distributed</u>

Your File/V/Réf.

To Be Listed on the Transportation Agenda 21 July 98

DATE 12 June 1998

TO/DEST. The Chair and Members of Council

FROM/EXP. Director Infrastructure Maintenance Division

**Environment and Transportation Department** 

SUBJECT/OBJET 1998 RESURFACING PROGRAMME

This is further to the hand-out provided to the Transportation Committee on 03 June 1998 and the request for information regarding those roadways marked as "deferred". The reason for deferral is noted beside each location in Annex A of the 16 April 1998 memorandum on this subject (copy attached).

In virtually all cases, the deferral is due to the need to co-ordinate with works being undertaken by others. In some cases, it is possible to co-ordinate and still carry out the resurfacing work in the current year. In other cases, e.g. major water and sewer jobs that are scheduled for only a few years away, it does not make any sense to resurface and the project is deferred.

Sometimes, a resurfacing project must be deferred because others have not finalized plans yet and the potential for a major conflict exists. At other times, the resurfacing must wait until others have completed conflicting works first.

Co-ordination is a never ending process and the plans of others can produce new conflicts even after the programme list is "finalized" (e.g. plans for a major new development project can be announced at any time). Occasionally, changes in plans will result in the elimination of a conflict and a project can go ahead.

There are many entities that undertake construction works on Regional roads. Some plans are known years in advance. Other "plans" materialize almost over night. The co-ordination efforts undertaken in conjunction with the Resurfacing Programme significantly reduce the incidence of recently laid asphalt pavement being dug up. They also significantly reduce the amount of

disruption endured by the public (e.g. by not working on routes used as detours for other major projects or by incorporating several works into a single contract etc.).

From a pavement management perspective, the deferral of a resurfacing project by a single year may not be a problem. However, as outlined in the attached, if a rehabilitative overlay is not applied in a timely fashion, there is a real danger of a road section deteriorating to the point of permanent structural damage occurring. The only effective remedy then is very costly total reconstruction. A good analogy would be a roof that is not repaired before it leaks, thus allowing water to enter and damage the underlying support structures. Paving a roadway that has structurally failed is as effective as putting a new coat of paint on rotten wood. This is a very expensive maintenance situation and overlays on "failed" roads will last only four or five years, or less, instead of the normal ten years or more.

As requested by the Ward Councillor, Wellington Street between Parkdale Avenue and Garland Street will be deferred to 1999.

In view of the date and the time needed to complete the resurfacing works before cold weather sets in the Fall, most all of the 1998 resurfacing contracts will have been tendered by late June. It is still expected that, subject to tender prices received and the identification of any further conflicts, the budget available will permit works to be carried out down to approximately rank 30 on Annex A and at all of the former Provincial Highway locations listed in Annex B.

Please contact the undersigned (Ext. 1113) or Mr. Lorne Ross, Manager Surface Projects Branch, (Ext. 1114) should you require any further information on the 1998 Resurfacing Programme.

Approved by W.S. Beveridge, P. Eng.

LAR/ms

Attach. (1)

# REGIONAL MUNICIPALITY OF OTTAWA-CARLETON MUNICIPALITÉ RÉGIONALE D'OTTAWA-CARLETON

### MEMORANDUM NOTE DE SERVICE

Our File/N/Réf. **50** 67-98-2001

Your File/V/Réf.

DATE 16 April 1998

TO/DEST. The Chair and Members of Council

FROM/EXP. Director Infrastructure Maintenance Division

**Environment and Transportation Department** 

SUBJECT/OBJET 1998 RESURFACING PROGRAMME

The Department's 1998 Resurfacing Programme was circulated in draft form to all Regional Councillors, Regional Departments, Area Municipalities, Utility Companies and the Regional Cycling Advisory Group in December 1997 and February 1998.

The finalized programme based on the comments received and follow-up investigations is outlined in Annex A. The finalized Former Provincial Highways programme is outlined in Annex B.

Pavement structural and condition information along with traffic loading data and other information is used by the Department's Pavement Management System to determine the optimum time (time that provides the lowest life cycle cost) for resurfacing work. If resurfacing is delayed beyond this optimum time, the pavement structure starts to rapidly deteriorate toward a "failed" state and road maintenance costs increase dramatically.

The most cost-effective treatment for "failed" pavement is total reconstruction. Since this costs about 10 times as much as resurfacing, it is important to carry out "preventative maintenance" work in a timely fashion.

Some road sections with "failed" pavements are included on the 1998 Resurfacing Programme due to limited reconstruction capital budgets. The objective for these pavements is to apply the most economical maintenance strategies required to keep these road sections in at least a minimal safe and passable condition pending reconstruction. Depending on the construction schedule envisioned in the Capital Budget and other variables, these strategies will range from carrying out very localized repairs (e.g. spot repairs around catchbasins and other ironworks, severe areas of cracking, etc.) to full resurfacing.

Priorities for road sections identified as requiring resurfacing in the current year are established based on cost-effectiveness. User costs and the overall road system condition are considered. Roads with larger traffic volumes involve greater user costs if the roadway is allowed to deteriorate substantially. Also, the road network as a whole must be keep to a minimum standard regardless of traffic volume. These factors are used to optimize the overall year's resurfacing programme and determine the optimum priority for each road section.

If the 1998 Resurfacing Capital Budget is insufficient to cover all of the 1998 needs, subject to the identification of further conflicts, works shown in Annexes A and B will be carried out in order of priority down to the limits of available funding.

Should insufficient funds exist to complete a prioritized location on the list, this location will be passed over and the next location(s) that can be completed within the budget allocation will be selected. For illustration purposes, based on preliminary cost estimates, a Resurfacing Budget of \$5 M would permit works to be completed at all locations (excluding those with conflicts) down to approximately rank 30 on the list shown in Annex A in 1998. Again, for illustration purposes, based on preliminary cost estimates, a Resurfacing Budget for former Provincial highways of \$1 M would permit works to be completed at all locations shown in Annex B in 1998.

The actual number of road sections that will be completed will depend on tender prices received and the budget approved. Works not constructed in 1998, due to lack of funding or due to coordination conflicts, will be carried over for reconsideration in the 1999 programme.

In 1998, the Department will continue to use "hot-in-place" and "cold-in-place" recycling and cold milling strategies on various projects to significantly reduce the amount of new aggregate and asphalt used (non-renewable natural resources). Also, revised quality control procedures and new asphalt materials introduced in recent years are expected to reduce life-cycle costs. Some examples of initiatives in this area include the implementation of "end-result" contract specifications, the use of "thin lift nuclear density gauges" to measure asphalt compaction, the use of polymer modified asphalts and "ultrathin high-friction asphalt mixes" and the use of "state-of-the-art" materials testing procedures and equipment. It has been found that a 1% improvement in pavement process control can increase the length of the pavement life cycle by 10%.

If you require additional information, please do not hesitate to contact the undersigned.

Approved by W. S. Beveridge, P. Eng.

LAR/MC/ms

Attach. (2)

# REGIONAL MUNICIPALITY OF OTTAWA-CARLETON ENVIRONMENT AND TRANSPORTATION DEPARTMENT INFRASTRUCTURE MAINTENANCE DIVISION 1998 RESURFACING PROGRAMME

COMMENT	Coordinate with measures to improve traffic safety	Coordinate with intersection modification & sewer work		Delete – reconstruction 1998/99	Defer - detour requirements & traffic calming		Coordinate with traffic calming	Defer - Sewer and Water Projects 1999	Defer - detour requirements & traffic calming	Includes ramps	Coordinate with Water Project	Coordinate with Water Project	Defer – detour requirements & traffic calming	Defer - curb, sidewalk etc. modifications by Rideau Twp.1998					Coordinate intersections with City of Ottawa resurfacing		Defer - conflict Airport Pkwy. Ramps 1998 & widening near Albion 1998			Delete - RMOC Water & Ottawa sewer project 1999	Delete - RMOC Water & Ottawa project 1999	Coordinate with RMOC Water & Ottawa sewer project 1998 or 1999	Defer- City sewer project 2000		Coordinate with culvert replacement	Coordinate with NCC project, Princess to Bytown Bridge				Defer – possible NRC widening at Seguin
00  -	Coc	Coc		Del	Det		Coc	Del	Det	Incl	Co	Co	Det	Def					Co		Def			Dei		Č	Det		Co	Coc				Dei
TO	Uplands Dr.	Sussex Dr. (RR 93)	Laurier Ave.	Wellington St. (RR36)	Wellington St. (RR 36)	Merivale Rd. (RR 17)	Wellington St. (RR 36)	Ottawa River Pkwy.	Somerset St (RR 36)	Walkley Rd. (RR 74)	Enfield St.	St. Laurent Blvd. (RR 26)	Laurier Ave. (RR 48)	Bankfield Rd. (RR 8)	Pleasant Park Dr.	Harrison St.	Melfort St.	Orleans Blvd. (RR 56)	Tremblay Rd. (RR 70)	Ohio St.	Cahill Dr. East	Carling Ave.	Rossland Ave.	Athlone Ave.	100m West of Island Park Dr.	Mayfair Ave.	Parkdale	Garland	Ottawa River	Princess Ave.	Johnston Rd.	Coventry Rd.	Hunt Club Rd. (RR 32)	Montreal Rd. (RR 34)
FROM	Lewer St.	Osgoode St.	Pretoria Bridge	Laurier Ave. (RR 48)	MacLaren St.	Woodroffe Ave. (RR 15)	Carling Ave. (RR 38)	Wellington St. (RR 36)	Isabella St. (RR 62)	Merivale Rd. (RR 63)	Montreal Rd. (RR 34)	Enfield St.	McLeod St. (RR 89)	Island View Cres. South Limit	Bank St. (RR 85)	Banner Rd.	Heron Rd. (RR 16)	Old Innes Rd. (East Leg)	Innes Rd. (RR 30)	Alta Vista Dr.	West Limits Airport Pkwy.	Nortel Entrance	Meadowlands Dr. (RR 51)	Broadview Ave.	Athlone Ave.	100m West of Island Park Dr.	Mayfair Ave.	Parkdale	Galetta Side Rd. (RR 22)	E. Limit MacD. Cartier Bridge	Albion Rd.	200 m south of Smyth	Alert Rd.	Ogilvie Rd. (RR 50)
PRIORITY STREET	River Rd. (RR 19)	King Edward Ave. (RR 99)	Elgin St. (RR 91)	Elgin St. (RR 91)	Lyon St. (RR 81)	Meadowlands Dr. (RR 51)	Parkdale Ave. (RR 71)	Parkdale Ave. (RR 71)	O'Connor St. (RR 87)	Baseline Rd. & Heron Rd. (RR 16)	River Rd & McArthur Ave.(RR 68)	McArthur Ave. (RR 68)	Metcalfe Ave. (RR 89)	Rideau Valley Dr. North (RR 13)	Riverside Dr. (RR 19)	Greenbank Rd. (RR 13)	Walkley Rd. (RR 74)	Innes Rd. (RR 30)	St. Laurent Blvd. (RR 26)	Bank St. (RR 85)	Hunt Club Rd. (RR 32)	Moodie Dr. (RR 59)	Merivale Rd. (RR 17)	Richmond Rd. (RR 36)	Richmond Rd. (RR 36)	Richmond Rd. (RR 36)	Wellington St. (RR 36)	Wellington St. (RR 36)	Ferry Rd. (RR 7)	Sussex Dr. (RR 93)	Bank St. (RR 85)	r Pkwy. (RR 19)	Uplands Dr. (RR 107)	Blair Rd. (RR 27)
PRIORI	1	2	3	4	S	9	7	∞	6	10	111	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

Rd (RR 53)         100 m S of Rideau St.         Murray St. (RR 82)           Rd (RR 63)         Baseline Rd. (RR 16)         Morisset Ave.           St. (RR 60)         Bronson Ave. (RR 79)         Queen Elizabeh Dr.           I Rd. (RR 36)         Acres Rd. (RR 16)         Carling Ave. (RR 38)           Ave. (RR 36)         200 m East of Westeliffe         210 m East of Stinson           I Rd. (RR 36)         Burritts Rapids Bridge         Donnelly Rd. (RR 2)           I Bud. (RR 27)         Carling Ave. (RR 38)         Carling Ave. (RR 38)           Ave. (RR 17)         Lenester Ave.         Carling Ave. (RR 38)           Ave. (RR 17)         Riverside Dr. (RR 19)         Bowesville Rd.           R (RR 50)         Rideau Forest Dr.         Ryebum Dr.         Ryebum Dr.           (RR 19)         Rideau Forest Dr.         Ryebum Dr.         Ryebum Dr.           (RR 19)         Rickeau Forest Dr.         Ryebum Dr.         Ryebum Dr.           (RR 19)         Rickeau Forest Dr.         Ryebum Dr.         Ryebum Dr.           (RR 20)         Balake Rd.         RR 40         Base Line Rd. (RR 43)           d. (RR 26)         Balake Rd.         Base Line Rd. (RR 43)         Regional Rd. Rd.           d. (RR 26)         Malake Rd.         Base Line Rd. (RR 83)         <	PRIORIT	PRIORITY STREET	FROM	TO	COMMENT
Catherine St. (RR 63)         Baseline Rd. (RR 16)         Morisset Ave.           Catherine St. (RR 60)         Bronson Ave. (RR 73)         Queen Elizabeth Dr.           Richmond Rd. (RR 36)         200 m East of Westeliffe         210 m East of Stinson           Dwyer Hill Rd. (RR 36)         200 m East of Westeliffe         210 m East of Stinson           St. Laurent Blyud. (RR 26)         200 m East of Westeliffe         210 m East of Stinson           Mailand Ave. (RR 17)         Riverside Dr. (RR 19)         Bowesville Rd.           River Rd. (RR 37)         Riverside Dr. (RR 19)         Bowesville Rd.           River Rd. (RR 78)         Blair Rd. (RR 27)         Royebum Dr.           Walkley Rd. (RR 79)         Riverside Dr. (RR 19)         Riverside Dr. (RR 19)           Russell Rd. (RR 26)         Bank St. (RR 83)         Elgin St. (RR 81)           Russell Rd. (RR 26)         Base Line Rd. (RR 31)         Base Line Rd.           Russell Rd. (RR 26)         Base Line Rd. (RR 37)         RAOdorfie Rd. (RR 34)           Russell Rd. (RR 27)         Malakoff Rd.         McCordick Rd.           Roger Stevens Dr. (RR 60)         Base Line Rd. (RR 31)         Base Line Rd. (RR 31)           Russell Rd. (RR 27)         Malakoff Rd.         McCordick Rd. (RR 82)           St. Joseph Blvd. (RR 40)         Corded High Entrance	35	Sussex Dr. (RR 93)	100 m S of Rideau St.	Murray St. (RR 82)	Defer – conflict with embassy construction
Catherine St. (RR 60)         Bronson Ave. (RR 79)         Queen Elizabeth Dr.           Richmond Rd. (RR 36)         Acres Rd. (RR 16)         Caling Ave. (RR 38)           Rebinmond Rd. (RR 36)         200 m East of Stinson           Dwyer Hill Rd. (RR 36)         Burrits Rapids Bridge         Donnelly Rd. (RR 27)           St Laurent Blyd. (RR 26)         Clarke Ave.         Carling Ave. (RR 38)           Hunt Club Rd. (RR 17)         Riverside Dr. (RR 19)         Bowesville Rd.           River Rd. (RR 19)         Riverside Dr. (RR 19)         Roverside Dr. (RR 19)           Walkley Rd. (RR 19)         Riverside Dr. (RR 19)         Rowesville Rd.           Wassell Rd. (RR 19)         Riverside Dr. (RR 19)         Raw St. (RR 85)           Somerses St. W. (RR 19)         Roser St. (RR 83)         Base Line Rd. (RR 91)           Russell Rd. (RR 26)         Base Line Rd. (RR 19)         Base Line Rd. (RR 91)           Russell Rd. (RR 14)         Base Line Rd. (RR 19)         Base Line Rd. (RR 19)           Russell Rd. (RR 26)         Base Line Rd. (RR 19)         Base Line Rd. (RR 19)           Roger Stevens Dr. (RR 6)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 12)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 40)         Confed. High Entrance         Majestic	36	Merivale Rd. (RR 63)	Baseline Rd. (RR 16)	Morisset Ave.	Coordinate with widening
Richmond Rd. (RR 36)         Acres Rd. (RR 16)         Carling Ave. (RR 38)           Robyer Hill Rd. (RR 36)         200 m East of Westeliffe         210 m East of Sinson           Dwyer Hill Rd. (RR 36)         200 m East of Westeliffe         210 m East of Sinson           Dwyer Hill Rd. (RR 36)         Clarke Ave.         Guy St.           Mainland Ave. (RR 17)         Lenester Ave.         Carling Ave. (RR 38)           Hunt Cub Rd. (RR 20)         Riverside Dr. (RR 19)         Roweville Rd.           Malkley Rd. (RR 19)         Riverside Dr. (RR 19)         Ryebum Dr.           Walkley Rd. (RR 19)         Riverside Dr. (RR 19)         Ryebum Dr.           Walkley Rd. (RR 24)         Riverside Dr. (RR 19)         Ryebum Dr.           Russell Rd. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Leitrim Rd. (RR 14)         Saumure Rd. (RR 37)         Raoc Line Rd. (RR 43)           Russell Rd. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Russell Rd. (RR 26)         Base Line Rd. (RR 37)         Rooc Cast Line Rd. (RR 44)           Russell Rd. (RR 26)         Balake Rd.         Majestic Dr.           Rooger Stevens Dr. (RR 18)         Confed. High Entrance         Majestic Dr.           Russell Rd. (RR 49)         Confed. High Entrance         Majestic Dr. <td>37</td> <td>Catherine St. (RR 60)</td> <td>Bronson Ave. (RR 79)</td> <td>Queen Elizabeth Dr.</td> <td>Defer – RMOC Water &amp; Ottawa sewer project 1999</td>	37	Catherine St. (RR 60)	Bronson Ave. (RR 79)	Queen Elizabeth Dr.	Defer – RMOC Water & Ottawa sewer project 1999
Robertson Rd. (RR 36)  Robertson Rd. (RR 37)  Sumits Rapids Bridge  Domnelly Rd. (RR 27)  St Laurent Blvd. (RR 26)  St Laurent Blvd. (RR 27)  Hunt Club Rd. (RR 32)  Riverside Dr. (RR 19)  Rassell Rd. (RR 26)  Base Line Rd. (RR 37)  Rassell Rd. (RR 26)  Rassell Rd. (RR 27)  Robotrofic Ave. (RR 15)  Confed. High Entrance  Majestic Dr.  Fallowfield Rd. (RR 34)  Confed. High Entrance  Majestic Dr.  Fallowfield Rd. (RR 34)  Confed. High Entrance  Majestic Dr.  Fallowfield Rd. (RR 36)  River Rd. (RR 34)  Acroftick Rd.  Durnobin Rd. (RR 39)  King Edward Ave. (RR 89)  Restrick St. (RR 44)  St. Patrick St. (RR 44)  Rassell Rd. (RR 36)  Cumberland St.  Hemilook Rd. (RR 39)  Franh Line Rd. (RR 39)  Markley Rd. (RR 34)  Hunt Club Rd. (RR 32)  Hawthorne Rd. (RR 32)  Hunt Club Rd. (RR 32)  Rassell Rd. (RR 36)  Rd. (RR 36)  Rd. (RR 39)  Regional Rd. 45  Rd. (RR 49)  Regional	38	Richmond Rd. (RR 36)	Acres Rd. (RR 16)	Carling Ave. (RR 38)	
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Maitland Ave. (RR 17)         Lenester Ave.         Carling Ave. (RR 38)           Hunt Club Rd, (RR 32)         Riverside Dr. (RR 19)         Bowesville Rd.           Oglivic Rd. (RR 50)         Blair Rd, (RR 27)         Montreal Rd. (RR 34)           River Rd. (RR 19)         Riverside Dr. (RR 19)         Bank St. (RR 85)           Somerset St. W. (RR 36)         Base Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Russell Rd. (RR 26)         Base Line Rd. (RR 43)         Base Line Rd. (Glouc.)           Russell Rd. (RR 26)         Bank St. (RR 85)         Base Line Rd. (Glouc.)           Russell Rd. (RR 26)         Malak Rd.         RMOC East Limit           Roger Stevens Dr. (RR 6)         Malak Rd.         RMOC East Limit           Roger Stevens Dr. (RR 6)         Malak Rd.         Rd.           Roseph Blvd. (RR 12)         Duyor Hill Rd. (RR 37)         RMOC East Limit           Roseph Blvd. (RR 12)         Duyor Hill Rd. (RR 37)         Rase Line Rd. (Glouc.)           Scot St. (RR 40)         Stonecrest Rd.         Durnobin Rd. (RR 9)           Scot St. (RR 40)         Stonecrest Rd.         Durnobin Rd. (RR 9)           Rideau St. (RR 48)         Cumberland St.         King Edward Ave. (RR 9)           Rideau St. (RR 48)         Bronson Ave. (RR 79)         Rent St. (RR 83)	41	St Laurent Blvd. (RR 26)	Clarke Ave.	Guy St.	Coordinate intersections with City of Ottawa resurfacing
Hunt Club Rd. (RR 32)         Riverside Dr. (RR 19)         Bowesville Rd.           Oglivie Rd. (RR 50)         Blair Rd. (RR 27)         Montreal Rd. (RR 34)           River Rd. (RR 19)         Rideat Operst Dr.         Ryeburn Dr.           Walkley Rd. (RR 14)         Riverside Porest Dr.         Ryeburn Dr.           Somerset St. W. (RR 36)         Kent St. (RR 83)         Elgin St. (RR 85)           Somerset St. W. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Russell Rd. (RR 26)         Bank St. (RR 85)         Base Line Rd. (Glouc.)           Russell Rd. (RR 26)         Blake Rd.         McCordick Rd.           Russell Rd. (RR 26)         Malakoff Rd.         McCordick Rd.           Roger Stevens Dr. (RR 6)         Malakoff Rd.         McCordick Rd.           Woodroffe Ave. (RR 15)         Dwyer Hill Rd. (RR 37)         Racgional Rd. 45           Sc. Joseph Blvd. (RR 34)         Leanne DAve Blvd. (RR 35)         Place DOrleans W. Leg (RR 84)           Sc. Joseph Blvd. (RR 49)         Churchill Ave. (RR 65)         Dunnobin Rd. (RR 9)           March Rd. (RR 49)         Klondike Rd.         Stonecrest Rd.         Dunnobin Rd. (RR 9)           March Rd. (RR 48)         Richanord Ave. (RR 67)         Regional Rd. (RR 9)         Kirkwood Ave. (RR 67)         Regional Rd. (RR 79)	42	Maitland Ave. (RR 17)	Lenester Ave.	Carling Ave. (RR 38)	
Ogilvie Rd. (RR 50)         Blair Rd. (RR 27)         Montreal Rd. (RR 34)           River Rd. (RR 19)         Rideau Forest Dr.         Ryebum Dr.           Walkley Rd. (RR 74)         Riverside Dr. (RR 19)         Bank St. (RR 85)           Somerest St. W. (RR 36)         Rear St. (RR 87)         Elgin St. (RR 91)           Russell Rd. (RR 26)         Bank Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Russell Rd. (RR 26)         Bank St. (RR 85)         Base Line Rd. (Glouc.)           Russell Rd. (RR 26)         Balake Rd.         MCCordick Rd.           Roger Stevens Dr. (RR 6)         Malakoff Rd.         McCordick Rd.           Woodroffe Ave. (RR 12)         Dowyer Hill Rd. (RR 37)         Regional Rd. 45           Scott St. (RR 40)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 34)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 34)         Lowyer Hill Rd. (RR 35)         Regional Rd. 45           Scott St. (RR 40)         Churchill Ave. (RR 65)         Dunrobin Rd. (RR 9)           March Rd. (RR 49)         Klondike Rd.         Churchill Ave. (RR 65)         Dunrobin Rd. (RR 9)           Kikwood Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 84)           St. Laurent Blvd. (RR 26)         Brittany Dr.         Heml	43	Hunt Club Rd. (RR 32)	Riverside Dr. (RR 19)	Bowesville Rd.	
River Rd. (RR 19)         Rideau Forest Dr.         Ryebum Dr.           Walkley Rd. (RR 74)         Riverside Dr. (RR 83)         Bank St. (RR 85)           Somerset St. W. (RR 36)         Kent St. (RR 83)         Elgin St. (RR 91)           Russell Rd. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Leitrim Rd. (RR 26)         Balke Rd.         Base Line Rd. (Glouc.)           Russell Rd. (RR 26)         Blake Rd.         RMOC East Limit           Roger Stevens Dr. (RR 6)         Malakoff Rd.         MacCordick Rd.           Woodroffe Ave. (RR 15)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 12)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           Scott St. (RR 40)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 12)         Dwyer Hill Rd. (RR 3)         Place D'Orleans W. Leg (RR 84)           Scott St. (RR 40)         Stonecrest Rd.         Dunrobin Rd. (RR 9)           March Rd. (RR 49)         Klondike Rd.         Stonecrest Rd.         Dunrobin Rd. (RR 9)           Kirkwood Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 85)           St. Patrick St. (RR 44)         Stonecrest Rd.         Bronson Ave. (RR 79)           St. Patrick St. (RR 44)         Trim Rd. (RR 47)         Orchardvie	4	Ogilvie Rd. (RR 50)	Blair Rd. (RR 27)	Montreal Rd. (RR 34)	
Walkley Rd. (RR 74)         Riverside Dr. (RR 19)         Bank St. (RR 85)           Somerset St. W. (RR 36)         Kent St. (RR 83)         Eigin St. (RR 91)           Russell Rd. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd. (RR 43)           Leitrim Rd. (RR 14)         Bank St. (RR 85)         Base Line Rd. (RR 43)           Russell Rd. (RR 26)         Balak Rd. (RR 37)         RMOC East Limit           Russell Rd. (RR 26)         Malakoff Rd.         McCordick Rd.           Roger Stevens Dr. (RR 6)         Malakoff Rd.         McCordick Rd.           Woodroffe Ave. (RR 15)         Confed. High Entrance         McCordick Rd.           Fallowfield Rd. (RR 12)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           St. Joseph Blvd. (RR 34)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 49)         Stonecrest Rd.         Dumrobin Rd. (RR 9)           March Rd. (RR 49)         Stonecrest Rd.         Dumrobin Rd. (RR 9)           March Rd. (RR 48)         Grunberland St.         King Edward Ave. (RR 9)           Kirkwood Ave. (RR 67)         Bronson Ave. (RR 79)         Kent St. (RR 84)           Kirkwood Ave. (RR 67)         Bronson Ave. (RR 79)         Kent St. (RR 84)           Innes Rd. (RR 30)         Tenth Line Rd. (RR 77)         Carling Ave. (RR 77) </td <td>45</td> <td>River Rd. (RR 19)</td> <td>Rideau Forest Dr.</td> <td>Ryeburn Dr.</td> <td>Defer - Intersection realignment</td>	45	River Rd. (RR 19)	Rideau Forest Dr.	Ryeburn Dr.	Defer - Intersection realignment
Somerset St. W. (RR 36)         Kent St. (RR 83)         Elgin St. (RR 91)           Russell Rd. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd.           Russell Rd. (RR 26)         Bank St. (RR 85)         Base Line Rd.           Russell Rd. (RR 26)         Blake Rd.         RMOC East Limit           Russell Rd. (RR 26)         Malaboff Rd.         McCordick Rd.           Roger Stevens Dr. (RR 15)         Malaboff Rd.         McCordick Rd.           Roger Stevens Dr. (RR 15)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           Fallowfield Rd. (RR 12)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           St. Joseph Blvd. (RR 34)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 34)         Churchill Ave. (RR 65)         Empress Ave.           Scott St. (RR 49)         Klondike Rd.         Churchill Ave. (RR 65)           March Rd. (RR 36)         Terry Fox Dr. (RR 61)         G10 m East of Castlefrank           Rideau St. (RR 34)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 67)         Carling Ave. (RR 79)         Kent St. (RR 83)           Chamberlain Ave. (RR 62)         Brittany Dr.         King Edward Ave. (RR 99)           St. Patrick St. (RR 44)         Tenth Line Rd. (RR 77)         Dumring Rd. (RR 83) <td>46</td> <td>Walkley Rd. (RR 74)</td> <td>Riverside Dr. (RR 19)</td> <td>Bank St. (RR 85)</td> <td></td>	46	Walkley Rd. (RR 74)	Riverside Dr. (RR 19)	Bank St. (RR 85)	
Russell Rd. (RR 26)         Base Line Rd. (Glouc.)         Base Line Rd.         Rd. (RR 43)           Leitrim Rd. (RR 14)         Bank St. (RR 85)         Base Line Rd.           Russell Rd. (RR 14)         Sammure Rd. (RR 37)         RMOC East Limit           Russell Rd. (RR 26)         Blake Rd.         McOcordick Rd.           Roger Stevens Dr. (RR 15)         Confed. High Entrance         McCordick Rd.           Woodrofife Ave. (RR 15)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           St. Joseph Blvd. (RR 34)         Churchill Ave. (RR 55)         Place D'Orleans W. Leg (RR 84)           Scott St. (RR 40)         Stonecrest Rd.         Dunrobin Rd. (RR 9)           March Rd. (RR 34)         Klondike Rd.         Dunrobin Rd. (RR 9)           Hazeldean Rd. (RR 36)         Terry Fox Dr. (RR 61)         610 m East of Castlefrank           Kideau St. (RR 34)         Bronson Ave. (RR 79)         Kent St. (RR 85)           Kirkwood Ave. (RR 67)         Brittany Dr.         King Edward Ave. (RR 99)           St. Patrick St. (RR 44)         Carling Ave. (RR 79)         King Edward Ave. (RR 99)           Inmes Rd. (RR 74)         Trim Rd. (RR 77)         Dunning Rd. (RR 85)           Walkley Rd. (RR 74)         100m West of Hwy 417         Base Line Rd. (RR 79)           Hawthorne Rd. (RR 72)         Hunt Club Rd.	47	Somerset St. W. (RR 36)	Kent St. (RR 83)	Elgin St. (RR 91)	Defer – RMOC Water & Ottawa sewer project 1999
Leitrim Rd. (RR 14)         Bank St. (RR 85)         Base Line Rd.           Russell Rd. (RR 26)         Saumure Rd. (RR 37)         RMOC East Limit           Russell Rd. (RR 26)         Blake Rd.         RMOC East Limit           Roger Stevens Dr. (RR 6)         Malakoff Rd.         Malakoff Rd.           Woodroffe Ave. (RR 15)         Confed. High Entrance         McCordick Rd.           Woodroffe Ave. (RR 12)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           St. Joseph Blvd. (RR 34)         Confed. High Entrance         Majestic Dr.           Fallowfield Rd. (RR 12)         Dwyer Hill Rd. (RR 3)         Regional Rd. 45           St. Joseph Blvd. (RR 34)         Churchill Ave. (RR 65)         Place D'Orleans W. Leg (RR 84)           March Rd. (RR 49)         Klondike Rd.         Dunrobin Rd. (RR 9)           March Rd. (RR 36)         Cerry Fox Dr. (RR 61)         King Edward Ave. (RR 99)           Kirkwood Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 62)         Bronson Ave. (RR 79)         Kent St. (RR 83)           St. Laurent Blvd. (RR 26)         Britany Dr.         Remlock Rd. (RR 99)           St. Patrick St. (RR 34)         Tenth Line Rd. (RR 47)         Chomper St. (RR 83)           Malkley Rd. (RR 74)         Trim Rd. (RR 82)         Dunning Rd. (RR	48	Russell Rd. (RR 26)	Base Line Rd. (Glouc.)	Base Line Rd. (RR 43)	
Russell Rd. (RR 26)  Russell Rd. (RR 26)  Russell Rd. (RR 26)  Roger Stevens Dr. (RR 6)  Roger Stevens Dr. (RR 6)  Roger Stevens Dr. (RR 15)  Confed. High Entrance  Woodroffe Ave. (RR 15)  St. Joseph Blvd. (RR 34)  Scott St. (RR 40)  Scott St. (RR 49)  Hazeldean Rd. (RR 34)  Churchill Ave. (RR 65)  Churchill Ave. (RR 65)  Rionecrest Rd.  Dunrobin Rd. (RR 9)  Klondike Rd.  Klondike Rd.  Cumberland St.  Carling Ave. (RR 79)  King Edward Ave. (RR 89)  King Edward Ave. (RR 99)  Chamberlain Ave. (RR 67)  St. Patrick St. (RR 44)  St. Patrick St. (RR 34)  Innes Rd. (RR 36)  Chen Chardview Ave.  Chamberlain Ave. (RR 62)  Bronson Ave. (RR 79)  King Edward Ave. (RR 85)  Chamberlain Ave. (RR 85)  St. Patrick St. (RR 44)  St. Patrick St. (RR 44)  St. Patrick St. (RR 44)  Tenth Line Rd. (RR 57)  Queen St. (RR 34)  Hawthorne Rd. (RR 74)  Hunt Club Rd. (RR 35)  Russell Rd. (RR 26)	49	Leitrim Rd. (RR 14)	Bank St. (RR 85)	Base Line Rd.	
Russell Rd. (RR 26)  Roger Stevens Dr. (RR 6)  Roger Stevens Dr. (RR 6)  Roger Stevens Dr. (RR 6)  Woodroffe Ave. (RR 15)  St. Joseph Blvd. (RR 12)  Scott St. (RR 40)  March Rd. (RR 49)  Hazeldean Rd. (RR 48)  Cumberland St.  Kinkwood Ave. (RR 79)  Kirkwood Ave. (RR 67)  St. Laurent Blvd. (RR 26)  St. Laurent Blvd. (RR 26)  St. Joseph Blvd. (RR 34)  Richmond Rd. (RR 9)  Cumberland St.  Kinkwood Ave. (RR 67)  St. Laurent Blvd. (RR 26)  St. Laurent Blvd. (RR 26)  St. Joseph Blvd. (RR 85)  Carling Ave. (RR 79)  King Edward Ave. (RR 99)  St. Patrick St. (RR 44)  St. Patrick St. (RR 44)  St. Patrick St. (RR 34)  Chamberlain Ave. (RR 26)  Sussex Dr. (RR 93)  King Edward Ave. (RR 99)  Hemlock Rd. (RR 44)  St. Patrick St. (RR 34)  Chamberlain Rd. (RR 57)  Malkley Rd. (RR 74)  Hount Club Rd. (RR 52)  Russell Rd. (RR 26)	50	Russell Rd. (RR 26)	Saumure Rd. (RR 37)	RMOC East Limit	
Roger Stevens Dr. (RR 6)  Roadroffe Ave. (RR 15)  Confed. High Entrance  Woodroffe Ave. (RR 12)  St. Joseph Blvd. (RR 34)  Scott St. (RR 40)  Coursell Ave. (RR 65)  Thomas Dolan Pkwy. (RR 46)  Rioeau St. (RR 34)  Churchill Ave. (RR 65)  Thomas Dolan Pkwy. (RR 46)  Rioeau St. (RR 34)  Cumberland St.  Kindeau St. (RR 34)  Churchill Ave. (RR 79)  Kindike Rd.  Cumberland St.  King Edward Ave. (RR 99)  Tenth Line Rd. (RR 47)  Ouchardview Ave.  Timn Rd. (RR 57)  Walkley Rd. (RR 74)  Hawthorne Rd. (RR 74)  Hunt Club Rd. (RR 32)  King Edward Ave. (RR 93)  King Edward Ave. (RR 99)  Tenth Line Rd. (RR 57)  Dunning Rd. (RR 35)  King Edward Ave. (RR 99)  Tenth Line Rd. (RR 57)  Base Line Rd. (RR 43)  Hawthorne Rd. (RR 74)  Kussell Rd. (RR 26)	51	Russell Rd. (RR 26)	Blake Rd.	Base Line Rd. (Glouc.)	
Woodroffe Ave. (RR 15)  Fallowfield Rd. (RR 12)  Fallowfield Rd. (RR 12)  St. Joseph Blvd. (RR 34)  Scott St. (RR 40)  Thomas Dolan Pkwy. (RR 46)  March Rd. (RR 49)  Hazeldean Rd. (RR 36)  Klondike Rd.  Hazeldean Rd. (RR 36)  Cumberland St.  Laurier Ave. (RR 48)  Kirkwood Ave. (RR 67)  St. Patrick St. (RR 44)  St. Patrick St. (RR 44)  St. Patrick St. (RR 36)  Carling Ave. (RR 79)  King Edward Ave. (RR 89)  Richmond Rd. (RR 89)  Bronson Ave. (RR 79)  King Edward Ave. (RR 99)  Kinkwood Ave. (RR 62)  Bronson Ave. (RR 79)  Brittany Dr.  St. Patrick St. (RR 44)  St. Patrick St. (RR 44)  St. Patrick St. (RR 34)  Tenth Line Rd. (RR 47)  Ouchardview Ave.  Queen St. (RR 34)  Hunt Club Rd. (RR 32)  Russell Rd. (RR 25)  Russell Rd. (RR 25)  Russell Rd. (RR 26)  Russell Rd. (RR 26)  Russell Rd. (RR 26)	52	Roger Stevens Dr. (RR 6)	Malakoff Rd.	McCordick Rd.	
Fallowfield Rd. (RR 12)  St. Joseph Blvd. (RR 34)  Scott St. (RR 40)  Scott St. (RR 40)  Scott St. (RR 40)  Thomas Dolan Pkwy. (RR 46)  March Rd. (RR 49)  Hazeldean Rd. (RR 36)  Laurier Ave. (RR 48)  Kideau St. (RR 48)  Kirkwood Ave. (RR 67)  Chamberlain Ave. (RR 67)  St. Patrick St. (RR 44)  St. Patrick St. (RR 34)  Innes Rd. (RR 35)  Russell Rd. (RR 43)  Russell Rd. (RR 26)  Russell Rd. (RR 26)	53	Woodroffe Ave. (RR 15)	Confed. High Entrance	Majestic Dr.	Coordinate with sewer work at Majestic Dr. by City of Nepean
Scott St. (RR 40) Scott St. (RR 40) Scott St. (RR 40) Scott St. (RR 40) Thomas Dolan Pkwy. (RR 46) March Rd. (RR 49) Hazeldean Rd. (RR 36) Laurier Ave. (RR 48) Kideau St. (RR 48) Kirkwood Ave. (RR 48) Chamberlain Ave. (RR 67) St. Faurier Blvd. (RR 26) St. Patrick St. (RR 44) St. Patrick St. (RR 44) St. Patrick St. (RR 34) Innes Rd. (RR 30) Trim Rd. (RR 57) Walkley Rd. (RR 74) Hawthorne Rd. (RR 74) Haceldean Rd. (RR 36) Churchill Ave. (RR 67) Bronson Ave. (RR 79) Bronson Ave. (RR 79) Bronson Ave. (RR 79) Brittany Dr. St. Patrick St. (RR 44) Trim Rd. (RR 57) Walkley Rd. (RR 74) Hawthorne Rd. (RR 74) Hunt Club Rd. (RR 32) Russell Rd. (RR 43) Hunt Club Rd. (RR 32) Bronson Ave. (RR 87) Hunt Club Rd. (RR 32) Bronson Ave. (RR 67) Bronson Ave. (RR 67) Bronson Ave. (RR 79) Bronson Ave. (RR 85) Bronson Ave. (RR 85) Bronson Ave. (RR 79) Bronson Ave	54	Fallowfield Rd. (RR 12)	Dwyer Hill Rd. (RR 3)	Regional Rd. 45	
Scott St. (RR 40)         Churchill Ave. (RR 65)         Empress Ave.           Thomas Dolan Pkwy. (RR 46)         Stonecrest Rd.         Dunrobin Rd. (RR 9)           March Rd. (RR 49)         Klondike Rd.         Dunrobin Rd. (RR 9)           Hazeldean Rd. (RR 34)         Terry Fox Dr. (RR 61)         610 m East of Castlefrank           Rideau St. (RR 34)         Cumberland St.         King Edward Ave. (RR 99)           Laurier Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 67)         Bronson Ave. (RR 79)         Rechmond Rd. (RR 59)           St. Laurent Blvd. (RR 26)         Brittany Dr.         Hemlock Rd. (RR 44)           St. Patrick St. (RR 44)         Sussex Dr. (RR 93)         King Edward Ave. (RR 99)           Innes Rd. (RR 30)         Trink Rd. (RR 57)         Dunning Rd. (RR 99)           Voeen St. (RR 34)         Trim Rd. (RR 57)         Dunning Rd. (RR 43)           Hawthorne Rd. (RR 74)         Hunt Club Rd. (RR 32)         Russell Rd. (RR 26)	55	St. Joseph Blvd. (RR 34)	Jeanne D'Arc Blvd. (RR 55)	Place D'Orleans W. Leg (RR 84)	
Thomas Dolan Pkwy. (RR 46)         Stonecrest Rd.         Dunrobin Rd. (RR 9)           March Rd. (RR 49)         Klondike Rd.         Dunrobin Rd. (RR 9)           Hazeldean Rd. (RR 36)         Terry Fox Dr. (RR 61)         610 m East of Castlefrank           Rideau St. (RR 34)         Cumberland St.         King Edward Ave. (RR 99)           Laurier Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 67)         Bronson Ave. (RR 79)         Richmond Rd. (RR 59)           St. Laurent Blvd. (RR 26)         Brittany Dr.         Hemlock Rd. (RR 44)           St. Patrick St. (RR 44)         Sussex Dr. (RR 93)         King Edward Ave. (RR 99)           Innes Rd. (RR 30)         Tenth Line Rd. (RR 47)         Orchardview Ave.           Queen St. (RR 34)         Trim Rd. (RR 57)         Dunning Rd. (RR 35)           Walkley Rd. (RR 74)         100m West of Hwy 417         Base Line Rd. (RR 43)           Hawthorne Rd. (RR 32)         Hunt Club Rd. (RR 32)         Russell Rd. (RR 26)	26	Scott St. (RR 40)	Churchill Ave. (RR 65)	Empress Ave.	
March Rd. (RR 49)         Klondike Rd.         Dunrobin Rd. (RR 9)           Hazeldean Rd. (RR 36)         Terry Fox Dr. (RR 61)         610 m East of Castlefrank           Rideau St. (RR 34)         Cumberland St.         King Edward Ave. (RR 99)           Laurier Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 67)         Bronson Ave. (RR 79)         Richmond Rd. (RR 59)           Chamberlain Ave. (RR 62)         Bronson Ave. (RR 79)         Bank St. (RR 85)           St. Patrick St. (RR 44)         Sussex Dr. (RR 93)         King Edward Ave. (RR 99)           Innes Rd. (RR 30)         Tenth Line Rd. (RR 47)         Orchardview Ave.           Queen St. (RR 34)         Trim Rd. (RR 57)         Dunning Rd. (RR 35)           Walkley Rd. (RR 74)         Hawthorne Rd. (RR 32)         Hunt Club Rd. (RR 32)	57	Thomas Dolan Pkwy. (RR 46)	Stonecrest Rd.	Dunrobin Rd. (RR 9)	
Hazeldean Rd. (RR 36)         Terry Fox Dr. (RR 61)         610 m East of Castlefrank           Rideau St. (RR 34)         Cumberland St.         King Edward Ave. (RR 99)           Laurier Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 67)         Bronson Ave. (RR 79)         Richmond Rd. (RR 59)           Chamberlain Ave. (RR 62)         Bronson Ave. (RR 79)         Brittany Dr.           St. Laurent Blvd. (RR 26)         Brittany Dr.         Hemlock Rd. (RR 44)           St. Patrick St. (RR 44)         Sussex Dr. (RR 93)         King Edward Ave. (RR 99)           Innes Rd. (RR 30)         Tenth Line Rd. (RR 47)         Orchardview Ave.           Queen St. (RR 34)         Trim Rd. (RR 57)         Dunning Rd. (RR 35)           Walkley Rd. (RR 74)         Hawthorne Rd. (RR 32)         Russell Rd. (RR 26)	28	March Rd. (RR 49)	Klondike Rd.	Dunrobin Rd. (RR 9)	
Rideau St. (RR 34)         Cumberland St.         King Edward Ave. (RR 99)           Laurier Ave. (RR 48)         Bronson Ave. (RR 79)         Kent St. (RR 83)           Kirkwood Ave. (RR 67)         Carling Ave. (RR 38) WB         Richmond Rd. (RR 59)           Chamberlain Ave. (RR 62)         Bronson Ave. (RR 79)         Bank St. (RR 85)           St Laurent Blvd. (RR 26)         Brittany Dr.         Hemlock Rd. (RR 44)           St. Patrick St. (RR 44)         Sussex Dr. (RR 93)         King Edward Ave. (RR 99)           Innes Rd. (RR 30)         Trim Rd. (RR 57)         Orchardview Ave.           Queen St. (RR 34)         Trim Rd. (RR 57)         Dunning Rd. (RR 35)           Walkley Rd. (RR 74)         Hawthorne Rd. (RR 32)         Hunt Club Rd. (RR 32)	59	Hazeldean Rd. (RR 36)	Terry Fox Dr. (RR 61)	610 m East of Castlefrank	Coordinate with RMOC cathodic protection
Laurier Ave. (RR 48)       Bronson Ave. (RR 79)       Kent St. (RR 83)         Kirkwood Ave. (RR 67)       Carling Ave. (RR 38) WB       Richmond Rd. (RR 59)         Chamberlain Ave. (RR 62)       Bronson Ave. (RR 79)       Bank St. (RR 85)         St Laurent Blvd. (RR 26)       Brittany Dr.       Hemlock Rd. (RR 44)         St. Patrick St. (RR 44)       Sussex Dr. (RR 93)       King Edward Ave. (RR 99)         Innes Rd. (RR 30)       Trim Rd. (RR 57)       Orchardview Ave.         Queen St. (RR 34)       Trim Rd. (RR 57)       Dunning Rd. (RR 35)         Walkley Rd. (RR 74)       Hawthorne Rd. (RR 32)       Hunt Club Rd. (RR 32)	09	Rideau St. (RR 34)	Cumberland St.	King Edward Ave. (RR 99)	
Kirkwood Ave. (RR 67)         Carling Ave. (RR 38) WB         Richmond Rd. (RR 59)           Chamberlain Ave. (RR 62)         Bronson Ave. (RR 79)         Bank St. (RR 85)           St Laurent Blvd. (RR 26)         Brittany Dr.         Hemlock Rd. (RR 44)           St. Patrick St. (RR 44)         Sussex Dr. (RR 93)         King Edward Ave. (RR 99)           Innes Rd. (RR 30)         Trim Rd. (RR 57)         Orchardview Ave.           Queen St. (RR 34)         Trim Rd. (RR 57)         Dunning Rd. (RR 35)           Walkley Rd. (RR 74)         Hoom West of Hwy 417         Base Line Rd. (RR 43)           Hawthorne Rd. (RR 32)         Hunt Club Rd. (RR 32)         Russell Rd. (RR 26)	61	Laurier Ave. (RR 48)	Bronson Ave. (RR 79)	Kent St. (RR 83)	Coordinate detour conflict
Chamberlain Ave. (RR 62)       Bronson Ave. (RR 79)       Bank St. (RR 85)         St Laurent Blvd. (RR 26)       Brittany Dr.       Hemlock Rd. (RR 44)         St. Patrick St. (RR 44)       Sussex Dr. (RR 93)       King Edward Ave. (RR 99)         Innes Rd. (RR 30)       Tenth Line Rd. (RR 47)       Orchardview Ave.         Queen St. (RR 34)       Trim Rd. (RR 57)       Dunning Rd. (RR 35)         Walkley Rd. (RR 74)       100m West of Hwy 417       Base Line Rd. (RR 43)         Hawthorne Rd. (RR 32)       Hunt Club Rd. (RR 32)       Russell Rd. (RR 26)	62	Kirkwood Ave. (RR 67)	Carling Ave. (RR 38) WB	Richmond Rd. (RR 59)	Defer - RMOC Water project 1999. Coordinate with traffic calming
St Laurent Blvd. (RR 26)       Brittany Dr.       Hemlock Rd. (RR 44)       Hemlock Rd. (RR 44)         St. Patrick St. (RR 44)       Sussex Dr. (RR 93)       King Edward Ave. (RR 99)         Innes Rd. (RR 30)       Tenth Line Rd. (RR 47)       Orchardview Ave.         Queen St. (RR 34)       Trim Rd. (RR 57)       Dunning Rd. (RR 35)         Walkley Rd. (RR 74)       100m West of Hwy 417       Base Line Rd. (RR 43)         Hawthorne Rd. (RR 32)       Hunt Club Rd. (RR 32)       Russell Rd. (RR 26)	63	Chamberlain Ave. (RR 62)	Bronson Ave. (RR 79)	Bank St. (RR 85)	
St. Patrick St. (RR 44)       Sussex Dr. (RR 93)       King Edward Ave. (RR 99)         Innes Rd. (RR 30)       Tenth Line Rd. (RR 47)       Orchardview Ave.         Queen St. (RR 34)       Trim Rd. (RR 57)       Dunning Rd. (RR 35)         Walkley Rd. (RR 74)       100m West of Hwy 417       Base Line Rd. (RR 43)         Hawthorne Rd. (RR 32)       Hunt Club Rd. (RR 32)       Russell Rd. (RR 26)	2	St Laurent Blvd. (RR 26)	Brittany Dr.	Hemlock Rd. (RR 44)	Coordinate intersections with City of Ottawa resurfacing
Innes Rd. (RR 30)       Tenth Line Rd. (RR 47)       Orchardview Ave.         Queen St. (RR 34)       Trim Rd. (RR 57)       Dunning Rd. (RR 35)         Walkley Rd. (RR 74)       100m West of Hwy 417       Base Line Rd. (RR 43)         Hawthorne Rd. (RR 32)       Hunt Club Rd. (RR 32)       Russell Rd. (RR 26)	65	St. Patrick St. (RR 44)	Sussex Dr. (RR 93)	King Edward Ave. (RR 99)	
Queen St. (RR 34)       Trim Rd. (RR 57)       Dunning Rd. (RR 35)         Walkley Rd. (RR 74)       100m West of Hwy 417       Base Line Rd. (RR 43)         Hawthorne Rd. (RR 32)       Hunt Club Rd. (RR 32)       Russell Rd. (RR 26)	99	Innes Rd. (RR 30)	Tenth Line Rd. (RR 47)	Orchardview Ave.	Coordinate with intersection changes at Orchardview Ave.
Walkley Rd. (RR 74) 100m West of Hwy 417 Base Line Rd. (RR 43) Hunt Club Rd. (RR 32) Russell Rd. (RR 26)	<i>L</i> 9	Queen St. (RR 34)	Trim Rd. (RR 57)	Dunning Rd. (RR 35)	
Hawthorne Rd. (RR 32) Hunt Club Rd. (RR 32) Russell Rd. (RR 26)	89	Walkley Rd. (RR 74)	100m West of Hwy 417	Base Line Rd. (RR 43)	
	69	Hawthorne Rd. (RR 32)	Hunt Club Rd. (RR 32)	Russell Rd. (RR 26)	Delete reconstruction 1999

# REGIONAL MUNICIPALITY OF OTTAWA-CARLETON ENVIRONMENT AND TRANSPORTATION DEPARTMENT INFRASTRUCTURE MAINTENANCE DIVISION 1998 RESURFACING PROGRAMME – FORMER PROVINCIAL HIGHWAYS

COMMENT							Coordinate with Nepean Strandherd Stormwater Facility
TO	Highway 17	Old Highway 15 (RR 29)	Madawaska Blvd. Old Highway 7203 (RR 117)			Deakin St.	of Bankfield Rd. Merivale Rd. (RR 17)
FROM	RMOC West Boundary	Highway 17	Highway 17	Jeanne D'Arc Blvd. Eastbound	Montreal Rd. Eastbound	Sheridan	149 m South of Bankfield Rd. (RR 8)
STREET	Old Highway 15 (RR 29)	Madawaska Blvd. Old Highway 7203 (RR 117)	Old Highway 15 (RR 29) – (previously RR 118)	Regional Rd. 174 Ramp	Regional Rd. 174 Ramp	Old Highway 16 (RR 73)	Old Highway 16 (RR 73)
PRIORITY STREET	1	2	e	4	5	9	7