



ADDENDUM NO. 2 BID OPPORTUNITY NO. 80-2004

**PROVINCE OF MANITOBA/CITY OF WINNIPEG 2004 RESIDENTIAL
STREET RENEWALS** – Part 1 Whittier Avenue, and various other locations
Part 2 Harrowby Avenue and various other locations

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE BID
OPPORTUNITY**

ISSUED: March 31, 2004
BY: Coleen Groening /clg
TELEPHONE NO. (204) 986-2491

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: 20040128

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid Submission non-responsive.

PART A – BID SUBMISSION

Replace: Form B: Prices with the attached Form B: Prices (R2) and

Replace: Electronic Form B: Prices with the attached Electronic Form B: Prices (R2)

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PART 1 CITY FUNDED WORK						
A	<u>WHITTIER AVENUE WEST Hoka St. to Madeline St. - RECONSTRUCTION</u>					
	EARTH AND BASE WORKS					
A.1	Excavation	CW 3110-R7	m ³	600		
A.2	Sub-Grade Compaction	CW 3110-R7	m ²	2185		
A.3	Crushed Sub-base Material	CW 3110-R7				
	i) 50 mm - Limestone		tonne	825		
A.4	Supplying and Placing Base Course Material	CW 3110-R7	m ³	185		
A.5	Separation/Reinforcement Geotextile Fabric	CW 3130-R1	m ²	2470		
A.6	Grading of Boulevards	CW 3110-R7	m ²	1300		
	ROADWORKS - RENEWALS					
A.7	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	2505		
A.8	Drilled Dowels	CW 3230-R4				
	i) 19.1 mm Diameter		each	10		
A.9	Drilled Tie Bars	CW 3230-R4				
	i) 20 M Deformed Tie Bar		each	180		
A.10	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	10		
	c) Greater than 20 sq.m.		m ²	870		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.11	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
A.12	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
A.13	Concrete Curb Renewal	CW 3240-R4				
	i) Ramp Curb	SD-229C	m	8		
A.14	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	1		
A.15	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Tie-ins and Approaches					
	a) Type IA		tonne	15		
A.16	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	50		
	ii) 50 - 100 mm Depth (Asphalt)		m ²	15		
ROADWORKS - NEW CONSTRUCTION						
A.17	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R8				
	i) Construction of 150 mm Concrete Pavement (Reinforced)		m ²	2520		
A.18	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R8				
	i) Construction of Barrier (180mm ht, Separate)	SD-203A	m	488		
	ii) Construction of Lip Curb (40mm ht, Integral)	SD-202B	m	80		
	iv) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	50		
	v) Construction of Ramp Curb	SD-229C	m	30		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.19	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	300		
A.20	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Basin	CW 2130-R8				
	i) SD-024 with 1800mm barrel		each	3		
	ii) SD-024 with 1200mm barrel		each	3		
A.21	Manholes (4)	CW 2130-R8				
	i) SD-010		vert m	8.0		
	ii) SD-010 w/1800mm wide base		vert m	2.5		
A.22	Land Drainage Sewer	CW 2130-R8				
	i) 300mm PVC					
	a) Trenchless Installation, Class B bedding with sand, Class 4 Backfill		m	130		
A.23	Sewer Service	CW 2130-R8				
	i) 250mm					
	a) in a Trench, Class B bedding with sand, Class 2 Backfill		m	45		
A.24	Sewer Inspection (New Sewers)					
	i) 300mm PVC	CW 2145-R1	l.m.	130		
A.25	Abandonment of Existing Drainage Inlets	CW 3210-R5	each	2		
A.26	Abandoning Existing Catchbasins	CW 2130-R8	each	1		
A.27	Installation of Subdrains	CW 3120-R1	m	275		
A.28	ADJUSTMENTS Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	4		
A.29	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	1		
A.30	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	3		
A.31	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	20		
A.32	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	10		
A.33	LANDSCAPING Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1800		
A	<u>WHITTIER AVENUE WEST Hoka St. to Madeline St. - RECONSTRUCTION</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B	<u>HANDYSIDE AVENUE - From St Annes Rd to Rue Des Meurons CRACK AND SEAT</u>					
	EARTH AND BASE WORKS					
B.1	Excavation	CW 3110-R7	m ³	5		
B.2	Crushed Sub-base Material	CW 3110-R7				
	i) 50 mm - Limestone		tonne	10		
B.3	Supplying and Placing Base Course Material	CW 3110-R7	m ³	5		
B.4	Grading of Boulevards	CW 3110-R7	m ²	725		
	ROADWORKS - RENEWALS					
B.5	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	470		
B.6	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	15		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	10		
	c) Greater than 20 sq.m.		m ²	945		
B.7	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
B.8	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
B.9	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	15		
B.10	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	15		
	ii) Curb and Gutter (125 mm ht, Barrier, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	765		
	iii) Curb and Gutter (40mm ht, Lip Curb, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	26		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.11	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	a) 3 m and less		m	5		
	b) Greater than 3m and less than or equal to 30 m		m	66		
	ii) Ramp Curb	SD-229C	m	28		
B.12	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	10		
B.13	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	800		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	5		
	b) Type II		tonne	20		
B.14	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	100		
B.15	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	2915		
B.16	Pavement Patching	E10	m ²	300		
B.17	Partial Depth Saw-Cutting	E8	m	300		
B.18	Cracking and Seating Pavement	E8	m ²	2527		
B.19	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	300		
B.20	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Pit	CW 2130-R8				
	i) SD-023		each	8		
B.21	Catch Pit Connection Pipe	CW 2130-R8	m	20		
B.22	Sewer Service	CW 2130-R8				
	i) 250mm					
	a) in a Trench, Class B bedding with sand, Class 2 Backfill		m	8		
B.23	Abandoning Existing Catchbasins	CW 2130-R8	each	8		
B.24	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
B.25	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	3		
B.26	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	2.3		
B.27	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	3		
	iii) 76mm		each	3		
B.28	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	5		
B.29	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	2		
B.30	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	10		
B.31	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	5		
	LANDSCAPING					
B.32	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1200		
B	<u>HANDYSIDE AVENUE - From St Annes Rd to Rue Des Meurons CRACK AND SEAT</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C	<u>HAVELOCK AVENUE - From St Marys Rd to Neepawa St CRACK AND SEAT</u>					
	EARTH AND BASE WORKS					
C.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	15		
C.2	Grading of Boulevards	CW 3110-R7	m ²	725		
	ROADWORKS - RENEWALS					
C.3	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	320		
C.4	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	23		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	66		
	c) Greater than 20 sq.m.		m ²	140		
C.5	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	25		
C.6	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	25		
	ii) Curb and Gutter (125 mm ht, Barrier, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	415		
	iii) Curb and Gutter (40mm ht, Lip Curb, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	50		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.7	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	a) 3 m and less		m	5		
	b) Greater than 3m and less than or equal to 30 m		m	10		
	ii) Ramp Curb	SD-229C	m	15		
C.8	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	0.5		
C.9	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	650		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	20		
	b) Type II		tonne	20		
C.10	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	200		
C.11	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	1800		
C.12	Pavement Patching	E10	m ²	315		
C.13	Partial Depth Saw-Cutting	E8	m	300		
C.14	Cracking and Seating Pavement	E8	m ²	1715		
C.15	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	225		
C.16	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Basin	CW 2130-R8				
	i) SD-024		each	4		
C.17	Catch Pit	CW 2130-R8				
	i) SD-023		each	4		
C.18	Catch Pit Connection Pipe a) in a Trench, Class B bedding with sand, Class 2 Backfill	CW 2130-R8	m	20		
	ADJUSTMENTS					
C.19	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	1		
C.20	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.3		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.21	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	2		
	iii) 76mm		each	2		
C.22	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	3		
C.23	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
C.24	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	5		
C.25	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	2		
	LANDSCAPING					
C.26	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1200		
C	<u>HAVELOCK AVENUE - From St Marys Rd to Neepawa St CRACK AND SEAT</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D	<u>VICTORIA AVENUE from Bond St to Winona St CRACK AND SEAT</u>					
	EARTH AND BASE WORKS					
D.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	10		
D.2	Grading of Boulevards	CW 3110-R7	m ²	475		
	ROADWORKS - RENEWALS					
D.3	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	200		
D.4	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	15		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	24		
	c) Greater than 20 sq.m.		m ²	25		
D.5	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	5		
D.6	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
D.7	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	32		
D.8	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	32		
	ii) Curb and Gutter (150 mm ht, Barrier, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	275		
	iii) Curb and Gutter (40mm ht, Lip Curb, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	30		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.9	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	30		
	ii) Ramp Curb	SD-229C	m	20		
D.10	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	15		
D.11	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	350		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	12		
	b) Type II		tonne	8		
D.12	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	100		
D.13	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	1010		
D.14	Pavement Patching	E10	m ²	200		
D.15	Partial Depth Saw-Cutting	E8	m	300		
D.16	Cracking and Seating Pavement	E8	m ²	980		
D.17	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	200		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
D.18	Catch Basin	CW 2130-R8				
	i) SD-024		each	1		
D.19	Catch Pit	CW 2130-R8				
	i) SD-023		each	1		
D.20	Catch Pit Connection Pipe	CW 2130-R8				
	a) in a Trench, Class B bedding with sand, Class 2 Backfill		m	7		
D.21	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
D.22	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	2		
D.23	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.15		
D.24	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	2		
	iii) 76mm		each	2		
D.25	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	5		
D.26	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	2		
D.27	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	2		
D.28	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	1		
	LANDSCAPING					
D.29	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	700		
D	<u>VICTORIA AVENUE from Bond St to Winona St CRACK AND SEAT</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E	<u>ENFIELD CRESCENT from Marion St to Braemar St MAJOR REHABILITATION</u>					
	EARTH AND BASE WORKS					
E.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	5		
E.2	Grading of Boulevards	CW 3110-R7	m ²	1100		
	ROADWORKS - RENEWALS					
E.3	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	19		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	75		
	c) Greater than 20 sq.m.		m ²	348		
E.4	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	5		
E.5	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
E.6	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	90		
E.7	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	90		
E.8	Concrete Curb Renewal	CW 3240-R4				
	i) Construction of Curb and Gutter (125mm ht, Barrier, Integral, 450mm width, 150mm Plain Concrete Pavement)		m	545		
	ii) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	28		
	iii) Ramp Curb	SD-229C	m	20		
E.9	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	5		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.10	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	1250		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	24		
	b) Type II		tonne	5		
E.11	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	325		
E.12	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	3500		
E.13	Pavement Patching	E10	m ²	675		
	JOINT AND CRACK SEALING					
E.14	Reflective Crack Maintenance	CW 3250-R5	m	500		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
E.15	Catch Basin	CW 2130-R8				
	i) SD-024		each	2		
E.16	Catch Pit	CW 2130-R8				
	i) SD-023		each	4		
E.17	Catch Pit Connection Pipe a) in a Trench, Class B bedding with sand, Class 2 Backfill	CW 2130-R8	m	15		
E.18	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
E.19	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	2		
E.20	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	1		
E.21	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	3		
	ii) 51mm		each	3		
	iii) 76mm		each	3		
E.22	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	4		
E.23	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	2		
E.24	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	15		
E.25	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	10		
	LANDSCAPING					
E.26	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1650		
E	<u>ENFIELD CRESCENT from Marion St to Braemar St MAJOR REHABILITATION</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F	<u>RUE DES MEURONS from Morier Av to Vivian Av MAJOR REHABILITATION</u>					
	EARTH AND BASE WORKS					
F.1	Excavation	CW 3110-R7	m ³	5		
F.2	Crushed Sub-base Material	CW 3110-R7				
	i) 50 mm - Limestone		tonne	5		
F.3	Supplying and Placing Base Course Material	CW 3110-R7	m ³	10		
F.4	Grading of Boulevards	CW 3110-R7	m ²	775		
	ROADWORKS - RENEWALS					
F.5	Partial Slab Patches	CW 3230-R4				
	i) 150 mm Concrete Pavement (Type A)		m ²	6		
	ii) 150 mm Concrete Pavement (Type B)		m ²	45		
	iii) 150 mm Concrete Pavement (Type D)		m ²	100		
F.6	Drilled Dowels	CW 3230-R4				
	i) 19.1 mm Diameter		each	45		
F.7	Drilled Tie Bars	CW 3230-R4				
	i) 20 M Deformed Tie Bar		each	125		
F.8	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	23		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	100		
	c) Greater than 20 sq.m.		m ²	50		
F.9	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	3		
F.10	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
F.11	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	70		
	ii) Lip Curb		m	20		
F.12	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	90		
F.13	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	20		
	c) Greater than 30 m		m	233		
	ii) Ramp Curb	SD-229C	m	20		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F.14	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	685		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	40		
	b) Type II		tonne	10		
F.15	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	200		
	JOINT AND CRACK SEALING					
F.16	Reflective Crack Maintenance	CW 3250-R5	m	200		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
F.17	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-008 - Barrier Curb and Gutter Inlet Frame		each	2		
	ii) AP-009 - Barrier Curb and Gutter Inlet Cover		each	2		
	iii) AP-004 - Manhole Frame		each	1		
	iv) AP-005 - Manhole Cover (Solid)		each	1		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
F.18	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	2		
F.19	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.30		
F.20	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	2		
	ii) 51mm		each	3		
	ii) 76mm		each	5		
F.21	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	1		
F.22	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
F.23	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	2		
F.24	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	2		
	LANDSCAPING					
F.25	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1100		
F	<u>RUE DES MEURONS from Morier Av to Vivian Av MAJOR REHABILITATION</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G	<u>RAVELSTON AVENUE EAST from Park Circle to Roanoke St MAJOR REHABILITATION</u>					
	EARTH AND BASE WORKS					
G.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	10		
G.2	Grading of Boulevards	CW 3110-R7	m ²	450		
	ROADWORKS - RENEWALS					
G.3	Slab Replacement	CW 3230-R4				
	i) 150 mm Concrete Pavement (Reinforced)		m ²	90		
G.4	Partial Slab Patches	CW 3230-R4				
	i) 150 mm Concrete Pavement (Type B)		m ²	10		
	ii) 150 mm Concrete Pavement (Type D)		m ²	10		
G.5	Drilled Dowels	CW 3230-R4				
	i) 19.1 mm Diameter		each	35		
G.6	Drilled Tie Bars	CW 3230-R4				
	i) 20 M Deformed Tie Bar		each	135		
G.7	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	5		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	20		
	c) Greater than 20 sq.m.		m ²	190		
G.8	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
G.9	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
G.10	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	70		
G.11	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	50		
	ii) Ramp Curb	SD-229C	m	20		
G.12	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	10		
	c) Greater than 30 m		m	100		
	ii) Ramp Curb	SD-229C	m	5		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G.13	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	285		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	5		
G.14	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	75		
G.15	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	125		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ADJUSTMENTS						
G.16	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	1		
	iii) 76mm		each	1		
G.17	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	1		
G.18	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
G.19	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	1		
G.20	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	1		
LANDSCAPING						
G.21	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	700		
G	<i>RAVELSTON AVENUE EAST from Park Circle to Roanoke St MAJOR REHABILITATIO</i>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
H	<u>WABASHA STREET from Whittier Av E to Horton Av E MAJOR REHABILITATION</u>					
	EARTH AND BASE WORKS					
H.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	15		
H.2	Grading of Boulevards	CW 3110-R7	m ²	825		
	ROADWORKS - REMOVALS/RENEWALS					
H.3	Slab Replacement	CW 3230-R4				
	i) 150 mm Concrete Pavement (Reinforced)		m ²	500		
H.4	Partial Slab Patches	CW 3230-R4				
	i) 150 mm Concrete Pavement (Type A)		m ²	5		
	ii) 150 mm Concrete Pavement (Type B)		m ²	50		
	iii) 150 mm Concrete Pavement (Type D)		m ²	50		
H.5	Drilled Dowels	CW 3230-R4				
	i) 19.1 mm Diameter		each	100		
H.6	Drilled Tie Bars	CW 3230-R4				
	i) 20 M Deformed Tie Bar		each	300		
H.7	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	20		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	90		
	c) Greater than 20 sq.m.		m ²	375		
H.8	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
H.9	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
H.10	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	77		
H.11	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	45		
	iii) Ramp Curb	SD-229C	m	10		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
H.12	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	10		
	c) Greater than 30 m		m	570		
	ii) Ramp Curb	SD-229C	m	40		
H.13	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	1		
H.14	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	750		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	10		
	b) Type II		tonne	10		
H.15	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	200		
H.16	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	400		
H.17	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Basin	CW 2130-R8				
	i) SD-024		each	2		
H.18	Catch Pit	CW 2130-R8				
	i) SD-023		each	3		
H.19	Catch Pit Connection Pipe	CW 2130-R8				
	a) in a Trench, Class B bedding with sand, Class 2 Backfill		m	25		
H.20	Abandoning Existing Catchbasins	CW 2130-R8	each	5		
H.21	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
H.22	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	4		
H.23	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.30		
H.24	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	4		
	iii) 76mm		each	3		
H.25	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	4		
H.26	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
	LANDSCAPING					
H.27	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1150		
H	<u>WABASHA STREET from Whittier Av E to Horton Av E MAJOR REHABILITATION</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PART 2 PROVINCIALY FUNDED WORK (See D2)						
I	<u>HARROWBY AVENUE - From St Marys Rd to Rue Des Meurons CRACK AND SEAT</u>					
	EARTH AND BASE WORKS					
I.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	8		
I.2	Grading of Boulevards	CW 3110-R7	m ²	625		
	ROADWORKS - RENEWALS					
I.3	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	355		
I.4	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	15		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	75		
	c) Greater than 20 sq.m.		m ²	250		
I.5	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
I.6	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
I.7	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	20		
I.8	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	20		
	ii) Curb and Gutter (125 mm ht, Barrier, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	580		
	iii) Curb and Gutter (40mm ht, Lip Curb, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	10		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
I.9	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	a) 3 m and less		m	5		
	b) Greater than 3m and less than or equal to 30 m		m	70		
	ii) Ramp Curb	SD-229C	m	28		
I.10	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	1		
I.11	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	800		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	8		
	b) Type II		tonne	5		
I.12	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	300		
I.13	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	2625		
I.14	Pavement Patching	E10	m ²	450		
I.15	Partial Depth Saw-Cutting	E8	m	400		
I.16	Cracking and Seating Pavement	E8	m ²	1950		
I.17	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	450		
I.18	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Pit	CW 2130-R8				
	i) SD-023		each	6		
I.19	Sewer Service	CW 2130-R8				
	i) 250mm					
	a) in a Trench, Class B bedding with sand, Class 2 Backfill		m	30		
I20	Abandoning Existing Catchbasins	CW 2130-R8	each	6		
I21	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
I.22	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	3		
I.23	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.45		
I.24	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	3		
	iii) 76mm		each	3		
I.25	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	5		
I.26	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	2		
I.27	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	10		
I.28	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	5		
	LANDSCAPING					
I.29	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1100		
I	<u>HARROWBY AVENUE - From St Marys Rd to Rue Des Meurons CRACK AND SEAT</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
J	<u>OAKLEIGH AVENUE - From St Marys Rd to St Annes Rd. CRACK AND SEAT</u>					
	EARTH AND BASE WORKS					
J.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	5		
J.2	Grading of Boulevards	CW 3110-R7	m ²	675		
	ROADWORKS - RENEWALS					
J.3	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	300		
J.4	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	45		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	100		
	c) Greater than 20 sq.m.		m ²	45		
J.5	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
J.6	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
J.7	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	26		
J.8	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	26		
	ii) Curb and Gutter (125 mm ht, Barrier, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	370		
	iii) Curb and Gutter (40mm ht, Lip Curb, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	121		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
J.9	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	a) 3 m and less		m	10		
	b) Greater than 3m and less than or equal to 30 m		m	12		
	ii) Ramp Curb	SD-229C	m	30		
J.10	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	2		
J.11	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	500		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	8		
	b) Type II		tonne	40		
J.12	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	100		
J.13	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	1935		
J.14	Pavement Patching	E10	m ²	175		
J.15	Partial Depth Saw-Cutting	E8	m	300		
J.16	Cracking and Seating Pavement	E8	m ²	1935		
J.17	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	200		
J.18	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Basin	CW 2130-R8				
	i) SD-024		each	1		
J.19	Catch Pit	CW 2130-R8				
	i) SD-023		each	3		
J.20	Catch Pit Connection Pipe a) in a Trench, Class B bedding with sand, Class 2 Backfill	CW 2130-R8	m	35		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
J.21	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	2		
J.22	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.15		
J.23	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	2		
	iii) 76mm		each	3		
J.24	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	5		
J.25	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
J.26	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	3		
J.27	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	3		
	LANDSCAPING					
J.28	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1000		
J	<u>OAKLEIGH AVENUE - From St Marys Rd to St Annes Rd. CRACK AND SEAT</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
K	<u>MELROSE AVENUE EAST from Day St to Kanata St CRACK AND SEAT</u>					
	EARTH AND BASE WORKS					
K.1	Grading of Boulevards	CW 3110-R7	m ²	750		
	ROADWORKS - RENEWALS					
K.2	Pavement Removal	CW 3110-R7				
	i) Concrete Pavement		m ²	170		
K.3	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	8		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	15		
	c) Greater than 20 sq.m.		m ²	25		
K.4	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	2		
K.5	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
K.6	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	40		
K.7	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	40		
	ii) Curb and Gutter (125 mm ht, Barrier, Integral, 600mm width, 150mm Plain Concrete Pavement)	SD-200	m	285		
K.8	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	10		
	ii) Ramp Curb	SD-229C	m	20		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
K.9	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	2		
K.10	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	325		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	8		
K.11	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	100		
K.12	Moisture Barrier/Stress Absorption Geotextile Fabric	E9	m ²	890		
K.13	Pavement Patching	E10	m ²	175		
K.14	Partial Depth Saw-Cutting	E8	m	200		
K.15	Cracking and Seating Pavement	E8	m ²	890		
	JOINT AND CRACK SEALING					
K.16	Reflective Crack Maintenance	CW 3250-R5	m	200		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
K.17	Catch Basin	CW 2130-R8				
	i) SD-024		each	1		
K.18	Catch Pit	CW 2130-R8				
	i) SD-023		each	1		
K.19	Catch Pit Connection Pipe a) in a Trench, Class B bedding with sand, Class 2 Backfill	CW 2130-R8	m	7		
K.20	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		
	ADJUSTMENTS					
K.21	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	1		
K.22	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.15		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
K.23	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	1		
	iii) 76mm		each	1		
K.24	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	3		
K.25	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
K.26	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	8		
K.27	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	5		
	LANDSCAPING					
K.28	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1000		
K	<u>MELROSE AVENUE EAST from Day St to Kanata St CRACK AND SEAT</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
L	<u>ROANOKE STREET from Ravelston Av E to Harvard Av E MAJOR REHABILITATION</u>					
	EARTH AND BASE WORKS					
L.1	Excavation	CW 3110-R7	m ³	10		
L.2	Supplying and Placing Base Course Material	CW 3110-R7	m ³	6		
L.3	Grading of Boulevards	CW 3110-R7	m ²	775		
	ROADWORKS - RENEWALS					
L.4	Slab Replacement	CW 3230-R4				
	i) 150 mm Concrete Pavement (Reinforced)		m ²	215		
L.5	Partial Slab Patches	CW 3230-R4				
	i) 150 mm Concrete Pavement (Type A)		m ²	10		
	ii) 150 mm Concrete Pavement (Type B)		m ²	18		
	iii) 150 mm Concrete Pavement (Type D)		m ²	30		
L.6	Drilled Dowels	CW 3230-R4				
	i) 19.1 mm Diameter		each	80		
L.7	Drilled Tie Bars	CW 3230-R4				
	i) 20 M Deformed Tie Bar		each	200		
L.8	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	30		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	45		
	c) Greater than 20 sq.m.		m ²	115		
L.9	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	5		
L.10	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	5		
L.11	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	80		
L.12	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	75		
	ii) Ramp Curb	SD-229C	m	6		
L.13	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	15		
	c) Greater than 30 m		m	275		
	ii) Ramp Curb	SD-229C	m	15		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
L.14	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	5		
L.15	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	500		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	12		
	b) Type II		tonne	5		
L.16	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	100		
	JOINT AND CRACK SEALING					
L.17	Reflective Crack Maintenance	CW 3250-R5	m	300		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
L.18	Catch Basin	CW 2130-R8				
	i) SD-024		each	3		
L.19	Catch Pit	CW 2130-R8				
	i) SD-023		each	3		
L.20	Catch Pit Connection Pipe	CW 2130-R8				
	a) in a Trench, Class B bedding with sand, Class 2 Backfill		m	30		
L.21	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		
L.22	Abandonment of Existing Drainage Inlets	CW 3210-R5	each	1		
	ADJUSTMENTS					
L.23	Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	1		
L.24	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.30		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
L.25	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	2		
	iii) 76mm		each	2		
L.26	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	3		
L.27	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	1		
L.28	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	2		
	LANDSCAPING					
L.29	Sodding	CW 3510-R7				
	i) width > or = 600mm		m ²	1000		
L	<i>ROANOKE STREET from Ravelston Av E to Harvard Av E MAJOR REHABILITATION</i>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
M	<u>WINONA STREET from Kildare Av W to Horton Av E MAJOR REHABILITATION</u>					
	EARTH AND BASE WORKS					
M.1	Supplying and Placing Base Course Material	CW 3110-R7	m ³	8		
M.2	Grading of Boulevards	CW 3110-R7	m ²	900		
	ROADWORKS - RENEWALS					
M.3	Partial Slab Patches	CW 3230-R4				
	i) 150 mm Concrete Pavement (Type A)		m ²	8		
	ii) 150 mm Concrete Pavement (Type B)		m ²	175		
	iii) 150 mm Concrete Pavement (Type D)		m ²	145		
M.4	Drilled Dowels	CW 3230-R4				
	i) 19.1 mm Diameter		each	100		
M.5	Drilled Tie Bars	CW 3230-R4				
	i) 20 M Deformed Tie Bar		each	300		
M.6	Miscellaneous Concrete Slab Renewal	CW 3235-R4				
	i) Sidewalk	SD-228A				
	a) Less than or equal to 5 sq.m.		m ²	30		
	b) Greater than 5 and less than or equal to 20 sq.m.		m ²	100		
	c) Greater than 20 sq.m.		m ²	225		
M.7	Adjustment of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
M.8	Supply of Precast Sidewalk Blocks	CW 3235-R4	m ²	1		
M.9	Concrete Curb Removal	CW 3240-R4				
	i) Barrier		m	91		
M.10	Concrete Curb Installation	CW 3240-R4				
	i) Modified Barrier (150mm ht, Dowelled)	SD-203B	m	91		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
M.11	Concrete Curb Renewal	CW 3240-R4				
	i) Barrier (125mm ht, Dowelled)	SD-205, SD206A				
	b) Greater than 3m and less than or equal to 30 m		m	20		
	c) Greater than 30 m		m	325		
	ii) Ramp Curb	SD-229C	m	75		
	iii) Modified Barrier (125mm ht, Dowelled)	SD-203B	m	40		
M.12	Regrading Existing Interlocking Paving Stones	CW 3330-R3	m ²	2		
M.13	Construction of Asphaltic Concrete Overlay	CW 3410-R5				
	i) Main Line Paving					
	a) Type IA		tonne	550		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	75		
	b) Type II		tonne	45		
M.14	Planing of Pavement	CW 3450-R3				
	i) 0 - 50 mm Depth (Asphalt)		m ²	400		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
M.15	JOINT AND CRACK SEALING Reflective Crack Maintenance	CW 3250-R5	m	400		
M.16	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS Catch Basin	CW 2130-R8				
	i) SD-024		each	3		
M.17	Catch Pit	CW 2130-R8				
	i) SD-023		each	3		
M.18	Catch Pit Connection Pipe a) in a Trench, Class B bedding with sand, Class 2 Backfill	CW 2130-R8	m	30		
M.19	Abandoning Existing Catchbasins	CW 2130-R8	each	6		
M.20	Replacing Existing Manhole Frames & Covers	CW 2130-R8				
	i) AP-004 - Manhole Frame		each	1		
	ii) AP-005 - Manhole Cover (Solid)		each	1		
M.21	ADJUSTMENTS Adjustment of Existing Catchbasins / Manholes	CW 3210-R5	each	2		
M.22	Installation of Precast Concrete Ring Sections	CW 3210-R5	vert. m	0.30		
M.23	Installation of Cast Iron Lifter Ring Inserts	CW 3210-R5				
	i) 38mm		each	1		
	ii) 51mm		each	2		
	iii) 76mm		each	2		

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
M.24	Adjustment of Existing Watermain Valve Boxes	CW 3210-R5	each	4		
M.25	Installation of Watermain Valve Box Extendible Section Inserts	CW 3210-R5	each	2		
M.26	Adjustment of Existing Curb Stop Boxes	CW 3210-R5	each	5		
M.27	Supply of Curb Stop Box Extendible Sections	CW 3210-R5	each	1		
M.28	LANDSCAPING Sodding i) width > or = 600mm	CW 3510-R7	m ²	1200		
M	<u>WINONA STREET from Kildare Av W to Horton Av E MAJOR REHABILITATION</u>				Subtotal:	

FORM B: PRICES R2
 (SEE B8)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
SUMMARY						
PART 1 CITY FUNDED WORK						
A	<u>WHITTIER AVENUE WEST Hoka St. to Madeline St. - RECONSTRUCTION</u>				Subtotal:	
B	<u>HANDYSIDE AVENUE - From St Annes Rd to Rue Des Meurons CRACK AND SEAT</u>				Subtotal:	
C	<u>HAVELOCK AVENUE - From St Marys Rd to Neepawa St CRACK AND SEAT</u>				Subtotal:	
D	<u>VICTORIA AVENUE from Bond St to Winona St CRACK AND SEAT</u>				Subtotal:	
E	<u>ENFIELD CRESCENT from Marion St to Braemar St MAJOR REHABILITATION</u>				Subtotal:	
F	<u>RUE DES MEURONS from Morier Av to Vivian Av MAJOR REHABILITATION</u>				Subtotal:	
G	<u>RAVELSTON AVENUE EAST from Park Circle to Roanoke St MAJOR REHABILITATION</u>				Subtotal:	
H	<u>WABASHA STREET from Whittier Av E to Horton Av E MAJOR REHABILITATION</u>				Subtotal:	
total price (PART 1)						
PART 2 PROVINCIAALLY FUNDED WORK (See D2)						
I	<u>HARROWBY AVENUE - From St Marys Rd to Rue Des Meurons CRACK AND SEAT</u>				Subtotal:	
J	<u>OAKLEIGH AVENUE - From St Marys Rd to St Annes Rd. CRACK AND SEAT</u>				Subtotal:	
K	<u>MELROSE AVENUE EAST from Day St to Kanata St CRACK AND SEAT</u>				Subtotal:	
L	<u>ROANOKE STREET from Ravelston Av E to Harvard Av E MAJOR REHABILITATION</u>				Subtotal:	
M	<u>WINONA STREET from Kildare Av W to Horton Av E MAJOR REHABILITATION</u>				Subtotal:	
total price (PART 2)						
TOTAL BID PRICE (GST extra) (in figures) \$ _____						
(in words) _____						

 Name of Bidder