

FORM A: BID
(See B8)

1. Contract Title 2018 LOCAL STREET RENEWAL PROGRAM: AGNES ARNOLD PLACE, BANNERMAN AVENUE AND VARIOUS OTHER LOCATIONS

2. Bidder _____
Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City Province Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different) _____
Street or P.O. Box

City Province Postal Code

(Choose one)

The Bidder is:

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person Title

Telephone Number Facsimile Number

4. Definitions All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions..

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the Total Bid Price, in Canadian funds, set out on Form B: Prices, appended hereto.

6. Bid Security

In accordance with B12.1, the Bidder encloses bid security in the form of:

(Choose one)

- a bid bond (Form G1: Bid Bond and Agreement to Bond)
- an irrevocable standby letter of credit (Form G2: Irrevocable Standby Letter of Credit and Undertaking)
- a certified cheque or draft

and agrees that it shall be held by the City in accordance with the Contract.

7. Execution of Contract

The Bidder agrees to execute and return the Contract no later than seven (7) Calendar Days after receipt of the Contract, in the manner specified in C4.

8. Commencement of the Work

The Bidder agrees that no Work shall commence until he/she is in receipt of a letter of intent from the Award Authority authorizing the commencement of the Work.

9. Contract

The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

10. Addenda

The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	Dated
_____	_____
_____	_____
_____	_____

11. Time

This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

12. Indigenous Self-Declaration

The City is requesting that Bidders identify if their business is at least 51% owned by Indigenous persons of Canada.

- YES, 51% Indigenous ownership
- NO, it is not

This information is being gathered for statistical purposes only and will not be used for purposes of evaluation.

13. Signatures

The Bidder or the Bidder's authorized official or officials have signed this

_____ day of _____, 20_____ .

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PART 1 CITY FUNDED WORK						
A	<u>AGNES ARNOLD PLACE- Roberts Crescent to Leila Avenue - Concrete Rehabilitation</u>					
	EARTH AND BASE WORKS					
A.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	22		
A.2	Grading of Boulevards	CW 3110-R19	m ²	1163		
	ROADWORKS - RENEWALS					
A.3	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	62		
A.4	Partial Slab Patches	CW 3230-R8				
i)	150 mm Concrete Pavement (Type A)		m ²	6		
ii)	150 mm Concrete Pavement (Type B)		m ²	240		
iii)	150 mm Concrete Pavement (Type D)		m ²	21		
A.5	Partial Depth Planing of Existing Joints	E11	m ²	64		
A.6	Asphalt Patching of Partial Depth Joints	E11	m ²	64		
A.7	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	530		
A.8	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	570		
A.9	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	100 mm Sidewalk		m ²	5		
A.10	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	10		
b)	5 sq.m. to 20 sq.m.		m ²	21		
c)	Greater than 20 sq.m.		m ²	486		
ii)	150 mm Reinforced Sidewalk					

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	a) Less than 5 sq.m.		m ²	5		
	b) 5 sq.m. to 20 sq.m.		m ²	24		
A.11	Adjustment of Precast Sidewalk Blocks	CW 3235-R9	m ²	5		
A.12	Supply of Precast Sidewalk Blocks	CW 3235-R9	m ²	4		
A.13	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	4		
A.14	Concrete Curb Removal	CW 3240-R10				
	i) Curb Ramp		m	4		
A.15	Concrete Curb Renewal	CW 3240-R10				
	i) Barrier (125 mm reveal ht, Dowelled)	SD-205, SD-206A				
	a) Less than 3 m		m	9		
	b) 3 m to 30 m		m	322		
	c) Greater than 30 m		m	128		
	ii) Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	35		
	iii) Modified Lip Curb (75 mm reveal ht, Dowelled)	SD-202C	m	56		
	iv) Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	27		
A.16	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	10		
A.17	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
	i) Main Line Paving					
	a) Type IA		tonne	734		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	24		
A.18	Planing of Pavement	CW 3450-R6				
	i) 50 - 100 mm Depth (Asphalt)		m ²	340		
A.19	Detectable Warning Surface Tiles	CW 3326-R3	each	2		

FORM B: PRICES
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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ROADWORKS - NEW CONSTRUCTION						
A.20	Interlocking Paving Stones	CW 3330-R5	m ²	5		
JOINT AND CRACK SEALING						
A.21	Reflective Crack Maintenance	CW 3250-R7	m	1300		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
A.22	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	1		
A.23	Catch Pit	CW 2130-R12				
i)	SD-023		each	2		
A.24	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	2		
A.25	Drainage Connection Pipe	CW 2130-R12	m	10		
A.26	Frames & Covers	CW3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	5		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	5		
iii)	AP-011 - Barrier Curb and Gutter Frame		each	2		
iv)	AP-012 - Barrier Curb and Gutter Cover		each	2		
A.27	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	150-250 mm		each	1		
A.28	Abandoning Existing Catch Pit	CW 2130-R12	each	1		
A.29	Removal of Existing Catch Basins	CW 2130-R12	each	1		
A.30	Removal of Existing Catch Pit	CW 2130-R12	each	1		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ADJUSTMENTS						
A.31	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	2		
A.32	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	0.3		
ii)	Brick Risers		vert. m	0.5		
A.33	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	1		
ii)	51 mm		each	2		
A.34	Adjustment of Valve Boxes	CW 3210-R8	each	3		
A.35	Valve Box Extensions	CW 3210-R8	each	1		
A.36	Adjustment of Curb Stop Boxes	CW 3210-R8	each	6		
A.37	Curb Stop Extensions	CW 3210-R8	each	4		
LANDSCAPING						
A.38	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	50		
ii)	width > or = 600 mm		m ²	1113		
A	<u>AGNES ARNOLD PLACE- Roberts Crescent to Leila Avenue - Concrete Rehabilitation</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B	<u>BANNERMAN AVENUE - McPhillips Street to Airlies Street - Concrete Rehabilitation</u>					
	EARTH AND BASE WORKS					
B.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	48		
B.2	Grading of Boulevards	CW 3110-R19	m ²	2085		
	ROADWORKS - RENEWALS					
B.3	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	306		
B.4	Partial Slab Patches	CW 3230-R8				
i)	150 mm Concrete Pavement (Type A)		m ²	36		
ii)	150 mm Concrete Pavement (Type B)		m ²	626		
iii)	150 mm Concrete Pavement (Type D)		m ²	100		
B.5	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	1450		
B.6	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	1600		
B.7	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	87		
b)	5 sq.m. to 20 sq.m.		m ²	163		
c)	Greater than 20 sq.m.		m ²	593		
B.8	Adjustment of Precast Sidewalk Blocks	CW 3235-R9	m ²	14		
B.9	Supply of Precast Sidewalk Blocks	CW 3235-R9	m ²	5		
B.10	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	5		
B.11	Concrete Curb Renewal	CW 3240-R10, E13				
i)	Barrier (125 mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	14		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
b)	3 m to 30 m		m	20		
c)	Greater than 30 m		m	1130		
ii)	Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	39		
iii)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	69		
B.12	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	8		
B.13	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	1121		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	51		
B.14	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	1172		
B.15	Detectable Warning Surface Tiles	CW 3326-R3	each	10		
JOINT AND CRACK SEALING						
B.16	Reflective Crack Maintenance	CW 3250-R7	m	1850		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
B.17	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	8		
B.18	Catch Pit	CW 2130-R12				
i)	SD-023		each	6		
B.19	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	25		
B.20	Drainage Connection Pipe	CW 2130-R12	m	6		
B.21	Frames & Covers	CW3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	7		

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 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.22	ii) AP-007 - Standard Solid Cover for Standard Frame Connecting to Existing Catch Basin	CW 2130-R12	each	7		
B.23	i) 250 mm Drainage Connection Pipe Connecting to Existing Sewer	CW 2130-R12	each	6		
B.24	i) 250 mm CB Lead					
	a) Connecting to 300 mm CS		each	1		
	b) Connecting to 375 mm CS		each	3		
	c) Connecting to 600 mm CS		each	3		
B.24	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
	i) 150-250 mm		each	1		
B.25	Removal of Existing Catch Basins	CW 2130-R12	each	8		
	ADJUSTMENTS					
B.26	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	7		
B.27	Replacing Existing Risers	CW 2130-R12				
	i) Pre-cast Concrete Risers		vert. m	1.0		
	ii) Brick Risers		vert. m	2.1		
B.28	Lifter Rings (AP-010)	CW 3210-R8				
	i) 38 mm		each	4		
	ii) 51 mm		each	7		
B.29	Adjustment of Valve Boxes	CW 3210-R8	each	5		
B.30	Valve Box Extensions	CW 3210-R8	each	2		
B.31	Adjustment of Curb Stop Boxes	CW 3210-R8	each	37		
B.32	Curb Stop Extensions	CW 3210-R8	each	6		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.33	LANDSCAPING	CW 3510-R9				
	Sodding					
	i) width < 600 mm		m ²	190		
ii) width > or = 600 mm	m ²	1895				
B	<u>BANNERMAN AVENUE - McPhillips Street to Airliess Street - Concrete Rehabilitation</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C	<u>CAIL BAY - Jefferson Avenue to Jefferson Avenue - Concrete Rehabilitation</u>					
	EARTH AND BASE WORKS					
C.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	13		
C.2	Grading of Boulevards	CW 3110-R19	m ²	645		
	ROADWORKS - RENEWALS					
C.3	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	81		
C.4	Partial Slab Patches	CW 3230-R8				
i)	150 mm Concrete Pavement (Type B)		m ²	186		
ii)	150 mm Concrete Pavement (Type D)		m ²	20		
C.5	Partial Depth Planing of Existing Joints	E11	m ²	68		
C.6	Asphalt Patching of Partial Depth Joints	E11	m ²	68		
C.7	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	430		
C.8	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	520		
C.9	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	34		
b)	5 sq.m. to 20 sq.m.		m ²	88		
c)	Greater than 20 sq.m.		m ²	67		
ii)	150 mm Reinforced Sidewalk					
a)	Less than 5 sq.m.		m ²	6		
b)	5 sq.m. to 20 sq.m.		m ²	46		
C.10	Adjustment of Precast Sidewalk Blocks	CW 3235-R9	m ²	3		
C.11	Supply of Precast Sidewalk Blocks	CW 3235-R9	m ²	2		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.12	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	2		
C.13	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (125mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	13		
b)	3 m to 30 m		m	326		
c)	Greater than 30 m		m	89		
ii)	Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	39		
iii)	Modified Lip Curb (75 mm reveal ht, Dowelled)	SD-202C	m	80		
iv)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	17		
C.14	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	65		
C.15	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	702		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	22		
C.16	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	164		
C.17	Detectable Warning Surface Tiles	CW 3326-R3	each	6		
	ROADWORKS - NEW CONSTRUCTION					
C.18	Interlocking Paving Stones	CW 3330-R5	m ²	12		
	JOINT AND CRACK SEALING					
C.19	Reflective Crack Maintenance	CW 3250-R7	m	1250		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
C.20	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	2		
C.21	Catch Pit	CW 2130-R12				
i)	SD-023		each	2		
C.22	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	14		
C.23	Drainage Connection Pipe	CW 2130-R12	m	12		
C.24	Frames & Covers	CW3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	2		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	2		
C.25	Connecting to Existing Manhole	CW 2130-R12				
i)	250 mm Catch Basin Lead		each	2		
C.26	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	2		
C.27	Abandoning Existing Catch Basins	CW 2130-R12	each	1		
C.28	Abandoning Existing Catch Pit	CW 2130-R12	each	3		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ADJUSTMENTS					
C.29	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	5		
C.30	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	0.5		
ii)	Brick Risers		vert. m	0.5		
C.31	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	5		
ii)	51 mm		each	5		
C.32	Adjustment of Valve Boxes	CW 3210-R8	each	2		
C.33	Adjustment of Curb Stop Boxes	CW 3210-R8	each	8		
C.34	Curb Stop Extensions	CW 3210-R8	each	2		
	LANDSCAPING					
C.35	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	80		
ii)	width > or = 600 mm		m ²	565		
C	<u>CAIL BAY - Jefferson Avenue to Jefferson Avenue - Concrete Rehabilitation</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D	<u>CHAMBERS STREET - Alexander Avenue to Logan Avenue - Asphalt Reconstruction</u>					
	EARTH AND BASE WORKS					
D.1	Excavation	CW 3110-R19	m ³	392		
D.2	Sub-Grade Compaction	CW 3110-R19	m ²	979		
D.3	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm		tonne	338		
ii)	100 mm		tonne	617		
D.4	Supplying and Placing Base Course Material	CW 3110-R19	m ³	73		
D.5	Grading of Boulevards	CW 3110-R19	m ²	780		
D.6	Separation Geotextile Fabric	CW 3130-R4	m ²	979		
D.7	Supply and Install Geogrid	CW 3135-R1	m ²	979		
	ROADWORKS - RENEWALS					
D.8	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement	E13	m ²	860		
D.9	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	223		
D.10	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	136		
D.11	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	10		
b)	5 sq.m. to 20 sq.m.		m ²	16		
c)	Greater than 20 sq.m.		m ²	267		
D.12	Construction of Asphalt Patches	CW 3410-R12	m ²	12		
D.13	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	70		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.14	Detectable Warning Surface Tiles	CW 3326-R3	each	2		
ROADWORKS - NEW CONSTRUCTION						
D.15	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 150 mm Concrete Pavement (Reinforced)		m ²	102		
D.16	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Modified Barrier (150 mm ht, Integral)	SD-203B	m	45		
ii)	Construction of Curb and Gutter (180 mm ht, Barrier, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200	m	110		
iii)	Construction of Curb and Gutter (180 mm ht, Modified Barrier, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-203B	m	11		
iv)	Construction of Curb and Gutter (40 mm ht, Lip Curb, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-202B	m	67		
v)	Construction of Curb and Gutter (8-12 mm ht, Curb Ramp, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-229E	m	13		
vi)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	26		
D.17	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	160		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	9		
JOINT AND CRACK SEALING						
D.18	Reflective Crack Maintenance	CW 3250-R7	m	240		

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 (SEE B9)

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
D.19	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	2		
D.20	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	7		
D.21	Connecting to Existing Sewer	CW 2130-R12				
i)	250mm CB Lead					
a)	Connecting to 375 mm Clay Sewer		each	2		
D.22	Abandoning Existing Catch Basins	CW 2130-R12	each	2		
D.23	Installation of Subdrains	CW 3120-R4	m	60		
D.24	Watermain and Water Service Insulation	E12				
i)	Pipe Under Roadway Excavation (SD-018)		m ²	129		
ADJUSTMENTS						
D.25	Replacing Existing Risers	CW 2130-R12				
i)	Brick Risers		vert. m	0.2		
D.26	Adjustment of Valve Boxes	CW 3210-R8	each	2		
D.27	Valve Box Extensions	CW 3210-R8	each	1		
D.28	Adjustment of Curb Stop Boxes	CW 3210-R8	each	6		
D.29	Curb Stop Extensions	CW 3210-R8	each	2		
LANDSCAPING						
D.30	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	50		
ii)	width > or = 600 mm		m ²	730		
D	<u>CHAMBERS STREET - Alexander Avenue to Logan Avenue - Asphalt Reconstruction</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E	<u>FIFE STREET - Burrows Avenue to College Avenue - Asphalt Reconstruction</u>					
	EARTH AND BASE WORKS					
E.1	Excavation	CW 3110-R19	m ³	1046		
E.2	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm		tonne	1604		
ii)	100 mm		tonne	3058		
E.3	Supplying and Placing Base Course Material	CW 3110-R19	m ³	349		
E.4	Grading of Boulevards	CW 3110-R19	m ²	3482		
E.5	Separation Geotextile Fabric	CW 3130-R4	m ²	4650		
E.6	Supply and Install Geogrid	CW 3135-R1	m ²	4650		
	ROADWORKS - RENEWALS					
E.7	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement	E13	m ²	3887		
E.8	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	115		
E.9	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	340		
E.10	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	18		
b)	5 sq.m. to 20 sq.m.		m ²	90		
c)	Greater than 20 sq.m.		m ²	829		
E.11	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (150mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	10		
b)	3 m to 30 m		m	15		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	Modified Barrier (180 mm reveal ht, Dowelled)	SD-203B	m	12		
iii)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	20		
E.12	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	10		
E.13	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	170		
E.14	Detectable Warning Surface Tiles	CW 3326-R3	each	35		
ROADWORKS - NEW CONSTRUCTION						
E.15	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 150 mm Concrete Pavement (Reinforced)		m ²	880		
E.16	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Curb and Gutter (180mm ht, Modified Barrier, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-203B	m	794		
ii)	Construction of Curb and Gutter (40 mm ht, Lip Curb, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-202B	m	241		
iii)	Construction of Curb and Gutter (8-12 mm ht, Curb Ramp, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-229E	m	7		
iv)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	125		
E.17	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	640		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	66		
JOINT AND CRACK SEALING						
E.18	Reflective Crack Maintenance	CW 3250-R7	m	850		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
E.19	Catch Basin	CW 2130-R12, E14				
i)	SD-024, 1800 mm deep		each	8		
E.20	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	30		
E.21	Frames & Covers	CW 3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	3		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	3		
E.22	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm CB Lead					
a)	Connecting to 375 mm CS		each	2		
b)	Connecting to 450 mm CS		each	6		
E.23	Abandoning Existing Catch Basins	CW 2130-R12	each	10		
E.24	Abandoning Existing Catch Pit	CW 2130-R12	each	2		
E.25	Installation of Subdrains	CW 3120-R4	m	260		
E.26	Watermain and Water Service Insulation	E12				
i)	Pipe Under Roadway Excavation (SD-018)		m ²	26		
ADJUSTMENTS						
E.27	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	3		
E.28	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1.0		
ii)	Brick Risers		vert. m	0.5		
E.29	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	2		
ii)	51 mm		each	3		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.30	Adjustment of Valve Boxes	CW 3210-R8	each	6		
E.31	Valve Box Extensions	CW 3210-R8	each	2		
E.32	Adjustment of Curb Stop Boxes	CW 3210-R8	each	2		
E.33	Curb Stop Extensions	CW 3210-R8	each	2		
LANDSCAPING						
E.34	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	180		
ii)	width > or = 600 mm		m ²	3302		
E	<u>FIFE STREET - Burrows Avenue to College Avenue - Asphalt Reconstruction</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F	<u>GARDEN GROVE DRIVE - Burrows Avenue to Fairgrove Bay (West Leg) - Asphalt Rehabilitation</u>					
	EARTH AND BASE WORKS					
F.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	26		
F.2	Grading of Boulevards	CW 3110-R19	m ²	1122		
	ROADWORKS - RENEWALS					
F.3	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	187		
F.4	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	40		
F.5	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	200		
F.6	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	28		
b)	5 sq.m. to 20 sq.m.		m ²	41		
c)	Greater than 20 sq.m.		m ²	197		
F.7	Adjustment of Precast Sidewalk Blocks	CW 3235-R9	m ²	18		
F.8	Supply of Precast Sidewalk Blocks	CW 3235-R9	m ²	8		
F.9	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	8		
F.10	Concrete Curb Removal	CW 3240-R10				
i)	Curb and Gutter		m	94		
F.11	Concrete Curb Renewal	CW 3240-R10				
i)	Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	48		
ii)	Curb and Gutter (150 mm reveal ht, Barrier, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200				
a)	Less than 3 m		m	12		
b)	3 m to 30 m		m	171		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	c) Greater than 30 m		m	458		
iii)	Curb and Gutter (150 mm reveal ht, Modified Barrier, Integral, - 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-203B				
a)	Less than 3 m		m	10		
b)	3 m to 30 m		m	80		
iv)	Curb and Gutter (40 mm reveal ht, Lip Curb, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200				
a)	3 m to 30 m		m	93		
v)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	3		
F.12	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	8		
F.13	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	660		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	80		
F.14	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	1218		
F.15	Pavement Repair Fabric	E10	m ²	2586		
F.16	Detectable Warning Surface Tiles	CW 3326-R3	each	4		
JOINT AND CRACK SEALING						
F.17	Reflective Crack Maintenance	CW 3250-R7	m	850		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
F.18	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	3		
F.19	Remove and Replace Existing Catch Basin	CW 2130-R12				
i)	SD-024		each	2		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F.20	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	3		
ii)	AP-006 - Standard Frame for Manhole and Catch Basin		each	13		
iii)	AP-007 - Standard Solid Cover for Standard Frame		each	13		
iv)	AP-011 - Barrier Curb and Gutter Frame		each	3		
v)	AP-012 - Barrier Curb and Gutter Cover		each	3		
F.21	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	150-250 mm		each	5		
F.22	Removal of Existing Catch Basins	CW 2130-R12	each	1		
	ADJUSTMENTS					
F.23	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	17		
F.24	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1.0		
ii)	Brick Risers		vert. m	1.7		
F.25	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	7		
ii)	51 mm		each	10		
F.26	Adjustment of Valve Boxes	CW 3210-R8	each	3		
F.27	Valve Box Extensions	CW 3210-R8	each	1		
F.28	Adjustment of Curb Stop Boxes	CW 3210-R8	each	7		
F.29	Curb Stop Extensions	CW 3210-R8	each	2		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F.30	LANDSCAPING	CW 3510-R9				
	Sodding					
	i) width < 600 mm		m ²	75		
ii) width > or = 600 mm	m ²	1047				
F	<u>GARDEN GROVE DRIVE - Burrows Avenue to Fairgrove Bay (West Leg) - Asphalt Rehabilitation</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G	<u>PEONY AVENUE - Viola Street to Verbena Street - Concrete Rehabilitation</u>					
	EARTH AND BASE WORKS					
G.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	36		
G.2	Grading of Boulevards	CW 3110-R19	m ²	892		
	ROADWORKS - RENEWALS					
G.3	Pavement Removal	CW 3110-R19				
i)	Asphalt Pavement		m ²	69		
G.4	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	855		
G.5	Partial Slab Patches	CW 3230-R8				
i)	150 mm Concrete Pavement (Type A)		m ²	8		
ii)	150 mm Concrete Pavement (Type B)		m ²	64		
iii)	150 mm Concrete Pavement (Type D)		m ²	216		
G.6	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	240		
G.7	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	840		
G.8	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	100 mm Sidewalk		m ²	6		
G.9	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	43		
b)	5 sq.m. to 20 sq.m.		m ²	152		
c)	Greater than 20 sq.m.		m ²	41		
ii)	150 mm Reinforced Sidewalk					
a)	Less than 5 sq.m.		m ²	25		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	b) 5 sq.m. to 20 sq.m.		m ²	18		
G.10	Concrete Curb Renewal	CW 3240-R10, E13				
	i) Barrier (125 mm reveal ht, Dowelled)	SD-205, SD-206A				
	a) Less than 3 m		m	10		
	b) 3 m to 30 m		m	387		
	c) Greater than 30 m		m	245		
	ii) Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	276		
	iii) Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	43		
G.11	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	14		
G.12	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
	i) Main Line Paving					
	a) Type IA		tonne	923		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	90		
G.13	Planing of Pavement	CW 3450-R6				
	i) 50 - 100 mm Depth (Asphalt)		m ²	857		
G.14	Pavement Repair Fabric	E10	m ²	180		
	JOINT AND CRACK SEALING					
G.15	Reflective Crack Maintenance	CW 3250-R7	m	1550		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
G.16	Catch Basin	CW 2130-R12				
	i) SD-024, 1800 mm deep		each	10		
G.17	Sewer Service	CW 2130-R12				
	i) 250 mm CB Lead					
	a) In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	40		
G.18	Drainage Connection Pipe	CW 2130-R12	m	4		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G.19	Frames & Covers	CW 3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	5		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	5		
G.20	Connecting to Existing Manhole	CW 2130-R12				
i)	250 mm Catch Basin Lead		each	2		
G.21	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm CB Lead					
a)	Connecting to 300 mm CS		each	8		
G.22	Abandoning Existing Catch Basins	CW 2130-R12	each	10		
G.23	Abandoning Existing Catch Pit	CW 2130-R12	each	2		
	ADJUSTMENTS					
G.24	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	4		
G.25	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1.0		
ii)	Brick Risers		vert. m	0.5		
G.26	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	2		
ii)	51 mm		each	4		
G.27	Adjustment of Valve Boxes	CW 3210-R8	each	4		
G.28	Valve Box Extensions	CW 3210-R8	each	1		
G.29	Adjustment of Curb Stop Boxes	CW 3210-R8	each	10		
G.30	Curb Stop Extensions	CW 3210-R8	each	2		
G.31	Raising of Existing Hydrant	CW 2110-R11	each	1		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G.32	LANDSCAPING	CW 3510-R9				
	Sodding					
	i) width < 600 mm		m ²	150		
ii) width > or = 600 mm		m ²	742			
G	<u>PEONY AVENUE - Viola Street to Verbena Street - Concrete Rehabilitation</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
H	<u>ROBERTS CRESCENT - Jefferson Avenue to Agnes Arnold Place - Concrete Rehabilitation</u>					
	EARTH AND BASE WORKS					
H.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	15		
H.2	Grading of Boulevards	CW 3110-R19	m ²	1229		
	ROADWORKS - RENEWALS					
H.3	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	60		
H.4	Partial Slab Patches	CW 3230-R8				
i)	150 mm Concrete Pavement (Type A)		m ²	5		
ii)	150 mm Concrete Pavement (Type B)		m ²	123		
iii)	150 mm Concrete Pavement (Type D)		m ²	14		
H.5	Partial Depth Planing of Existing Joints	E11	m ²	64		
H.6	Asphalt Patching of Partial Depth Joints	E11	m ²	64		
H.7	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	290		
H.8	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	400		
H.9	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	6		
b)	5 sq.m. to 20 sq.m.		m ²	80		
c)	Greater than 20 sq.m.		m ²	357		
ii)	150 mm Reinforced Sidewalk					
a)	5 sq.m. to 20 sq.m.		m ²	18		
H.10	Adjustment of Precast Sidewalk Blocks	CW 3235-R9	m ²	9		
H.11	Supply of Precast Sidewalk Blocks	CW 3235-R9	m ²	8		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
H.12	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	8		
H.13	Concrete Curb Renewal	CW 3240-R10				
	i) Barrier (125 mm reveal ht, Dowelled)	SD-205, SD-206A				
	a) Less than 3 m		m	7		
	b) 3 m to 30 m		m	147		
	c) Greater than 30 m		m	299		
	ii) Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	25		
	iii) Modified Lip Curb (75 mm reveal ht, Dowelled)	SD-202C	m	9		
	iv) Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	19		
H.14	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	7		
H.15	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
	i) Main Line Paving					
	a) Type IA		tonne	552		
	ii) Tie-ins and Approaches					
	a) Type IA		tonne	12		
H.16	Planing of Pavement	CW 3450-R6				
	i) 50 - 100 mm Depth (Asphalt)		m ²	47		
H.17	Detectable Warning Surface Tiles	CW 3326-R3	each	4		
	JOINT AND CRACK SEALING					
H.18	Reflective Crack Maintenance	CW 3250-R7	m	950		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
H.19	Catch Pit	CW 2130-R12				
	i) SD-023		each	2		
H.20	Remove and Replace Existing Catch Pit	CW 2130-R12				
	i) SD-023		each	1		
H.21	Drainage Connection Pipe	CW 2130-R12	m	11		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
i)	AP-011 - Barrier Curb and Gutter Frame		each	1		
ii)	AP-012 - Barrier Curb and Gutter Cover		each	1		
H.22	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	2		
H.23	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	250 mm		each	1		
H.24	Abandoning Existing Catch Pit	CW 2130-R12	each	2		
ADJUSTMENTS						
H.25	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	5		
H.26	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	0.5		
ii)	Brick Risers		vert. m	1.0		
H.27	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	2		
ii)	51 mm		each	3		
H.28	Adjustment of Valve Boxes	CW 3210-R8	each	2		
H.29	Valve Box Extensions	CW 3210-R8	each	1		
H.30	Adjustment of Curb Stop Boxes	CW 3210-R8	each	2		
H.31	Curb Stop Extensions	CW 3210-R8	each	18		
H.32	Raising of Existing Hydrant	CW 2110-R11	each	1		
LANDSCAPING						
H.33	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	50		
ii)	width > or = 600 mm		m ²	1179		
H	<u>ROBERTS CRESCENT - Jefferson Avenue to Agnes Arnold Place - Concrete Rehabilitation</u>					

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
I	<u>TROY AVENUE - Fife Street to McPhillips Street - Concrete Rehabilitation</u>					
	EARTH AND BASE WORKS					
I.1	Supplying and Placing Base Course Material	CW 3110-R19	m ³	38		
I.2	Grading of Boulevards	CW 3110-R19	m ²	1378		
	ROADWORKS - RENEWALS					
I.3	Slab Replacement	CW 3230-R8				
i)	150 mm Concrete Pavement (Reinforced)		m ²	544		
I.4	Partial Slab Patches	CW 3230-R8				
i)	150 mm Concrete Pavement (Type A)		m ²	8		
ii)	150 mm Concrete Pavement (Type B)		m ²	328		
iii)	150 mm Concrete Pavement (Type D)		m ²	68		
I.5	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	800		
I.6	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	980		
I.7	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	30		
b)	5 sq.m. to 20 sq.m.		m ²	123		
c)	Greater than 20 sq.m.		m ²	417		
I.8	Adjustment of Precast Sidewalk Blocks	CW 3235-R9	m ²	5		
I.9	Supply of Precast Sidewalk Blocks	CW 3235-R9	m ²	1		
I.10	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	1		
I.11	Concrete Curb Renewal	CW 3240-R10, E13				
i)	Barrier (125 mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	5		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
b)	3 m to 30 m		m	96		
c)	Greater than 30 m		m	470		
ii)	Modified Barrier (125 mm reveal ht, Dowelled)	SD-203B	m	74		
iii)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229C,D	m	50		
I.12	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	5		
I.13	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	656		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	53		
I.14	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	49		
I.15	Detectable Warning Surface Tiles	CW 3326-R3	each	2		
JOINT AND CRACK SEALING						
I.16	Reflective Crack Maintenance	CW 3250-R7	m	1150		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
I.17	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	1		
I.18	Catch Pit	CW 2130-R12				
i)	SD-023		each	5		
I.19	Sewer Service	CW 2130-R12				
i)	250 mm Catch Basin Lead					
a)	In a Trench, Class B compacted sand bedding, Class 3 Backfill		m	23		
I.20	Drainage Connection Pipe	CW 2130-R12	m	6		
I.21	Frames & Covers	CW 3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	3		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
i)	AP-007 - Standard Solid Cover for Standard Frame		each	3		
I.22	Connecting to Existing Manhole	CW 2130-R12				
i)	250 mm Catch Basin Lead		each	1		
I.23	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	6		
I.24	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm CB Lead					
a)	Connecting to 450 mm CS		each	2		
I.25	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	250 mm		each	2		
ADJUSTMENTS						
I.26	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	5		
I.27	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1.0		
ii)	Brick Risers		vert. m	0.9		
I.28	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	2		
ii)	51 mm		each	3		
I.29	Adjustment of Valve Boxes	CW 3210-R8	each	4		
I.30	Valve Box Extensions	CW 3210-R8	each	1		
I.31	Adjustment of Curb Stop Boxes	CW 3210-R8	each	10		
I.32	Curb Stop Extensions	CW 3210-R8	each	2		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	LANDSCAPING					
I.33	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	100		
ii)	width > or = 600 mm		m ²	1278		
I	<u>TROY AVENUE - Fife Street to McPhillips Street - Concrete Rehabilitation</u>				Subtotal:	

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PART 2 MANITOBA HYDRO FUNDED WORK (See B9.5, B16.2.1, B17.4, D2, D15.4)						
J	<u>FIFE STREET - Burrows Avenue to College Avenue - Asphalt Reconstruction</u>					
	NEW STREET LIGHT INSTALLATION					
J.1	Removal of 25' to 35' street light pole and precast, poured in place concrete, steel power installed base or direct buried including davit arm, luminaire and appurtenances.	E17	each	14		
J.2	Installation of 50 mm conduit(s) by boring method complete with cable insertion (#4 AL C/N or 1/0 AL Triplex).	E17	lin.m	470		
J.3	Installation of 25'/35' pole, davit arm and precast concrete base including luminaire and appurtenances.	E17	each	12		
J.4	Installation of one (1) 10' ground rod at end of street light circuit. Trench #4 ground wire up to 1 m from rod location to new street light and connect (hammerlock) to top of the ground rod.	E17	each	1		
J.5	Terminate 2/C #12 copper conductor to street light cables per Standard CD310-4, CD310-9 or CD310-10.	E17	each	14		
J.6	Installation of overhead span of #4 duplex between new or existing streetlight poles and connect luminaire to provide temporary feed.	E17	per span	12		
J.7	Removal of overhead span of #4 duplex between new or existing streetlight poles to remove temporary feed.	E17	per span	12		
J.8	Expose underground cable entrance of existing street light pole and install new street light cable	E17	each	1		
J.9	Install / lower 3 m of Cable Guard, ground lug, cable up pole, and first 3 m section of ground rod per Standard CD 315-5.	E17	each	2		
J	<u>FIFE STREET - Burrows Avenue to College Avenue - Asphalt Reconstruction</u>				Subtotal:	

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PART 3 WATER & WASTE FUNDED WORK						
(See B9.5, B15.2.1, B16.4, D2, D14.2-3, D16.4)						
K	<u>SEWER/MANHOLE REPAIR & ASSOCIATED WORKS</u>					
	AGNES ARNOLD PLACE					
K.1	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	3.1		
	BANNERMAN AVENUE					
K.2	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		each	2		
ii)	600 mm					
a)	Class 3 Backfill		each	1		
K.3	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		m	0.8		
K.4	Sewer Inspection (following repair)	CW 2145-R4				
i)	300 mm, CS		m	138		
ii)	600 mm, CS		m	75		
K.5	Connecting to Existing Sewer	CW 2130-R12				
i)	CS Connecting Pipe					
a)	Connecting to 300 mm CS Sewer		each	5		
b)	Connecting to 600 mm CS Sewer		each	1		
K.6	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	6.6		
K.7	Existing Manhole Repairs	E15				
i)	Patching					
a)	Pipe/Manhole Interface		each	4		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
CAIL BAY						
K.8	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
K.9	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		m	0.8		
K.10	Sewer Inspection (following repair)	CW 2145-R4				
i)	250 mm, WWS		m	116		
K.11	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	2.6		
K.12	Existing Manhole Repairs	E15				
i)	Patching					
a)	Pipe/MH Interface		each	1		
b)	Benching Repair		each	1		
FIFE STREET						
K.13	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		each	1		
ii)	375mm					
a)	Class 3 Backfill		each	1		
K.14	Sewer Inspection (following repair)	CW 2145-R4				
i)	300 mm, CS		m	47		
ii)	375 mm, CS		m	82		
K.15	Connecting to Existing Manhole	CW 2130-R12				
i)	300mm CS		each	1		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	375mm CS		each	1		
K.16	Connecting to Existing Sewer	CW 2130-R12				
i)	200 mm Sewer Connecting Pipe					
a)	Connecting to 375 mm CS		each	1		
K.17	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1.3		
	GARDEN GROVE DRIVE					
K.18	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	6.0		
	PEONY AVENUE					
K.19	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		each	3		
K.20	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		m	0.7		
K.21	Sewer Inspection (following repair)	CW 2145-R4				
i)	300 mm, CS		m	303		
K.22	Connecting to Existing Sewer	CW 2130-R12				
i)	CS Connecting Pipe					
a)	Connecting to 300 mm CS Sewer		each	7		
K.23	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	2.9		
	ROBERTS CRESCENT					
K.24	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1.7		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	TROY AVENUE					
K.25	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	600 mm					
a)	Class 3 Backfill		each	1		
K.26	Sewer Inspection (following repair)	CW 2145-R4				
i)	600 mm CS		m	92		
K.27	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	0.6		
K.28	Patching Existing Manholes		vert. m	0.4		
		CW 2130				
K	<u>SEWER/MANHOLE REPAIR & ASSOCIATED WORKS</u>				Subtotal:	

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
SUMMARY						
PART 1 CITY FUNDED WORK						
A	<u>AGNES ARNOLD PLACE- Roberts Crescent to Leila Avenue - Concrete Rehabilitation</u>				Subtotal:	
B	<u>BANNERMAN AVENUE - McPhillips Street to Airlies Street - Concrete Rehabilitation</u>				Subtotal:	
C	<u>CAIL BAY - Jefferson Avenue to Jefferson Avenue - Concrete Rehabilitation</u>				Subtotal:	
D	<u>CHAMBERS STREET - Alexander Avenue to Logan Avenue - Asphalt Reconstruction</u>				Subtotal:	
E	<u>FIFE STREET - Burrows Avenue to College Avenue - Asphalt Reconstruction</u>				Subtotal:	
F	<u>GARDEN GROVE DRIVE - Burrows Avenue to Fairgrove Bay (West Leg) - Asphalt Rehabilitation</u>				Subtotal:	
G	<u>PEONY AVENUE - Viola Street to Verbena Street - Concrete Rehabilitation</u>				Subtotal:	
H	<u>ROBERTS CRESCENT - Jefferson Avenue to Agnes Arnold Place - Concrete Rehabilitation</u>				Subtotal:	
I	<u>TROY AVENUE - Fife Street to McPhillips Street - Concrete Rehabilitation</u>				Subtotal:	
(total price) PART 1						
PART 2 MANITOBA HYDRO FUNDED WORK (See B9.5, B16.2.1, B17.4, D2, D15.4)						
J	<u>FIFE STREET - Burrows Avenue to College Avenue - Asphalt Reconstruction</u>				Subtotal:	
(total price) PART 2						
PART 3 WATER & WASTE FUNDED WORK (See B9.5, B15.2.1, B16.4, D2, D14.2-3, D16.4)						
K	<u>SEWER/MANHOLE REPAIR & ASSOCIATED WORKS</u>				Subtotal:	
(total price) PART 3						
TOTAL BID PRICE (GST extra) (in figures) _____						

FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 1 of 2)
(See B12)

BID BOND

KNOW ALL MEN BY THESE PRESENTS THAT

_____ (hereinafter called the "Principal") and

_____ (hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee") in the sum of ten percent (10%) of the Total Bid Price set out in the Bid hereinafter described, for the payment of which sum the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted a Bid to the Obligee for

BID OPPORTUNITY NO. 1-2018

2018 LOCAL STREET RENEWAL PROGRAM: AGNES ARNOLD PLACE, BANNERMAN AVENUE AND VARIOUS OTHER LOCATIONS

as more fully set out in the Bid Opportunity.

NOW THEREFORE the condition of this obligation is such that if the Bid of the Principal is not accepted, or if said Bid is accepted and the Principal, in accordance with the terms of the Bid, enters into a Contract with the said Obligee and furnishes the required performance security for guaranteeing the faithful performance of the Contract, this obligation shall be void, but otherwise shall remain in full force and effect.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

_____ day of _____, 20_____.

SIGNED AND SEALED
in the presence of:

(Witness as to Principal if no seal)

(Name of Principal)

Per: _____ (Seal)

Per: _____

(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 2 of 2)
(See B12)

AGREEMENT TO BOND

(to be attached to and to form part of Bid Bond)

The Surety on the attached Bid Bond hereby undertakes and agrees with **THE CITY OF WINNIPEG** to become bound as Surety for the Principal,

_____ of
(Name of Bidder)

(Place)

the Bidder to you on _____, 20____ for

BID OPPORTUNITY NO. 1-2018

2018 LOCAL STREET RENEWAL PROGRAM: AGNES ARNOLD PLACE, BANNERMAN AVENUE AND VARIOUS OTHER LOCATIONS

in an amount equal to fifty percent (50%) of the Contract Price for the due and proper performance of the Work shown and described in the Bid Opportunity, if our Principal's Bid is accepted by you, such Performance Bond to be maintained and continue in full force and effect until the expiration of the warranty period. The Performance Bond shall be in the form specified in the Bid Opportunity.

It is a condition that this Agreement to Bond shall become null and void if the Performance Bond mentioned above is not required from our Principal within sixty (60) Calendar Days following the Submission Deadline.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

SIGNED AND SEALED this _____ day of _____, 20_____ .

(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

**FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING
(BID SECURITY) (Page 1 of 2)
(See B12)**

(Date)

The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1

RE: BID SECURITY – BID OPPORTUNITY NO. 1-2018

2018 LOCAL STREET RENEWAL PROGRAM: AGNES ARNOLD PLACE, BANNERMAN
AVENUE AND VARIOUS OTHER LOCATIONS

Pursuant to the request of and for the account of our customer,

(Name of Bidder)

(Address of Bidder)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding
in the aggregate

_____ Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

Partial drawings are permitted.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

**FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING
(BID SECURITY) (Page 2 of 2)
(See B12)**

All demands for payment shall specifically state that they are drawn under this Standby Letter of Credit.

This Standby Letter of Credit will expire on May 14, 2018

if our customer's Bid is not accepted, and if accepted, when our customer has entered into a Contract with you and has furnished the required performance security for guaranteeing the faithful performance of the Contract.

This Standby Letter of Credit may not be revoked or amended without your prior written approval.

WE HEREBY UNDERTAKE and agree to provide in your favour an irrevocable Standby Letter of Credit in an amount equal to fifty percent (50%) of the Contract Price for the due and proper performance of the Work shown and described in the Bid Opportunity, if our customer's Bid is accepted by you. Such Standby Letter of Credit shall be maintained and continue in full force and effect until the expiration of the warranty period. The Standby Letter of Credit shall be in the form specified in the Bid Opportunity.

This credit is subject to the Uniform Customs and Practice for Documentary Credit (2007 Revision), International Chamber of Commerce Publication Number 600.

(Name of bank or financial institution)

Per: _____
(Authorized Signing Officer)

Per: _____
(Authorized Signing Officer)