

FORM A: BID
(See B8)

1. Contract Title CITY OF WINNIPEG DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT, 2018-2019 PAVEMENT RENEWALS

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 Seventy-Five (75) 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 one or more 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(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PART 1 CITY FUNDED WORK						
A	<u>PHASE I - RECONSTRUCTION: NOTRE DAME AVENUE FROM ADELAIDE STREET TO PORTAGE AVENUE</u>					
	EARTH AND BASE WORKS					
A.1	Excavation	CW 3110-R19	m ³	3,400		
A.2	Sub-Grade Compaction	CW 3110-R19	m ²	6,200		
A.3	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm - Limestone		tonne	2,350		
ii)	150 mm - Limestone		tonne	6,150		
A.4	Supplying and Placing Limestone Base Course Material	CW 3110-R19	m ³	680		
A.5	Removal of Existing Concrete Bases	CW 3110-R19				
i)	600 mm Diameter or Less		each	6		
ii)	Greater than 600 mm Diameter		each	3		
A.6	Separation Geotextile Fabric	CW 3130-R4	m ²	6,200		
A.7	Supply and Install Geogrid	CW 3135-R1	m ²	6,200		
A.8	Removal of Street Car Track Bedding	E15	m ³	1,200		
	ROADWORKS - RENEWALS					
A.9	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement		m ²	5,850		
ii)	Asphalt Pavement		m ²	50		
A.10	Partial Slab Patches	CW 3230-R8				
i)	200 mm Concrete Pavement (Type D)		m ²	115		
A.11	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	45		
ii)	28.6 mm Diameter		each	60		
A.12	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	50		
ii)	25 M Deformed Tie Bar		each	275		

FORM B(R1): PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.13	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	100 mm Sidewalk		m ²	2,340		
A.14	Miscellaneous Concrete Slab Installation	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A	m ²	10		
ii)	100 mm Sidewalk c/w Paving Stone Band (Paving Band Paid Separately)	SD-228A	m ²	2,340		
iii)	Bullnose	SD-227C	m ²	30		
A.15	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	15		
c)	Greater than 20 sq.m.		m ²	40		
A.16	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (180 mm reveal ht, Dowelled)	SD-205	m	15		
ii)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229A,B,C	m	10		
A.17	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (150 mm reveal ht, Separate)	SD-203A				
a)	Less than 3 m		m	10		
b)	3 m to 30 m		m	10		
A.18	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	5		
A.19	Planing of Pavement	CW 3450-R6				
i)	1 - 50 mm Depth (Asphalt)		m ²	200		
ii)	50 - 100 mm Depth (Asphalt)		m ²	50		
A.20	Detectable Warning Surface Tiles	CW 3326-R3	each	40		
ROADWORK - NEW CONSTRUCTION						
A.21	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 230 mm Concrete Pavement (Plain-Dowelled)		m ²	4,625		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	Construction of 200 mm Concrete Pavement (Reinforced)		m ²	30		
iii)	Construction of Concrete Median Slabs	SD-227A	m ²	255		
iv)	Construction of Monolithic Concrete Bull-noses	SD-227C	m ²	95		
A.22	Concrete Pavements for Early Opening	CW 3310-R17				
i)	Construction of 230 mm Concrete Pavement for Early Opening 24 Hour (Plain-Dowelled)		m ²	315		
ii)	Construction of 230 mm Concrete Pavement for Early Opening 72 Hour (Plain-Dowelled)		m ²	675		
iii)	Construction of 200 mm Concrete Pavement for Early Opening 24 Hour (Reinforced)		m ²	180		
iv)	Construction of 200 mm Concrete Pavement for Early Opening 72 Hour (Reinforced)		m ²	15		
A.23	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Barrier (180 mm ht, Separate)	SD-203A	m	525		
ii)	Construction of Barrier (230 mm ht, Separate)	SD-203A	m	5		
iii)	Construction of Modified Barrier (180 mm ht, Integral)	SD-203B	m	85		
iv)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	200		
A.24	Supply and Installation of Dowel Assemblies	CW 3310-R17	m	1,110		
A.25	Interlocking Paving Stones	CW 3330-R5, E33				
i)	Concrete Pavers		m ²	145		
ii)	Clay Pavers		m ²	210		
A.26	Removal and Stockpiling of Existing Paving Stones	E32	m ²	45		
A.27	Reinstallation of Stockpiled Pavers	E33	m ²	45		
A.28	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Tie-ins and Approaches					
a)	Type IA		tonne	55		

FORM B(R1): PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.29	Pavement Repair Fabric	E11	m ²	55		
	JOINT AND CRACK SEALING					
A.30	Reflective Crack Maintenance	CW 3250-R7	m	180		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
A.31	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	6		
ii)	SD-025, 1800 mm deep		each	4		
A.32	Catch Pit	CW 2130-R12				
i)	SD-023		each	4		
A.33	Catch Basin Flow Restrictors	E16	each	10		
A.34	Sewer Service	CW 2130-R12				
i)	250 mm, SDR PVC					
a)	In a Trench, Class B Type 2 Bedding, Class 2 Backfill		m	55		
A.35	Drainage Connection Pipe	CW 2130-R12	m	10		
A.36	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	375mm Combined Sewer					
a)	Class 3 Backfill		each	1		
A.37	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	375 mm Combined Sewer					
a)	Class 3 Backfill		m	3		
A.38	Sewer Inspection (following repair)	CW2145-R4				
i)	375 mm, Clay Combined Sewer		m	250		
ii)	600 mm, Combined Sewer		m	80		
A.39	Frames & Covers	CW3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	10		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	10		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iii)	AP-008 - Standard Grated Cover for Standard Frame		each	1		
iv)	AP-011 - Barrier Curb and Gutter Frame		each	1		
v)	AP-012 - Barrier Curb and Gutter Cover		each	1		
A.40	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm PVC Connecting Pipe					
a)	Connecting to 375 mm Clay Sewer		each	6		
b)	Connecting to 600 mm Clay Sewer		each	2		
c)	Connecting to 1250 mm SRS		each	1		
A.41	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	150 mm		each	1		
ii)	250 mm		each	2		
A.42	Removal of Existing Catch Basins	CW 2130-R12	each	10		
A.43	Removal of Existing Catch Pit	CW 2130-R12	each	8		
A.44	Abandoning Existing Sewer Services under Existing or Future Pavements	CW 2130-R12	each	5		
A.45	Catch Basin Cleaning	CW 2140-R4	each	10		
A.46	Installation of Subdrains	CW 3120-R4	m	225		
A.47	Watermain and Water Service Insulation	E14				
i)	Pipe Under Roadway Excavation (SD-018)		m ²	75		
A.48	Catchpit and Catchbasin Insulation	E13	each	2		
	ADJUSTMENTS					
A.49	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	10		
A.50	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	4		
ii)	Brick Risers		vert. m	1		
A.51	Grout Hole in Existing Manhole	CW2130-R12	each	3		
A.52	Manhole Inspection	CW2145-R4	each	4		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.53	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	2		
ii)	51 mm		each	4		
iii)	76 mm		each	2		
A.54	Adjustment of Valve Boxes	CW 3210-R8	each	12		
A.55	Valve Box Extensions	CW 3210-R8	each	16		
A.56	Adjustment of Curb Stop Boxes	CW 3210-R8	each	2		
A.57	Adjustment of Curb and Gutter Frames	CW 3210-R8	each	1		
A.58	Curb Stop Extensions	CW 3210-R8	each	1		
A.59	Adjustment of Traffic Signal Service Box Frames	CW 3210-R8	each	1		
LANDSCAPING						
A.60	Plant Material	E39				
i)	Brandon Elm (65 mm cal.)		each	3		
A.61	Tree Vaults	E34	m ²	130		
A.62	Supply and Install Tree Grate	E34				
i)	1.2 x 1.2		each	11		
A.63	Supply and Install Tree Grate Frame	E34				
i)	1.2 x 1.2		each	11		
A.64	Supply and Install Tree Vault Covers	E34				
i)	Vault Cover A		each	49		
ii)	Vault Cover B		each	9		
iii)	Vault Cover C		each	10		
A.65	Supply and Install Planting Medium Soil	E35	m ³	105		
A.66	Long Term Maintenance	E40				
i)	General Maintenance of Plant Material		yrs	2		
A.67	Supply and Install Bicycle Rack	E36	each	10		
A.68	Salvage and Re-install Bicycle Hoop	E37	each	2		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.69	Black Granite Mulch	E34	m ²	15		
	MISCELLANEOUS					
A.70	Hydro Excavation	E12	hrs	180		
A.71	Adjustment of Manitoba Hydro Frames and Covers	E19	each	20		
A.72	Supply and Installation of Green Bike Lane Treatment	E20				
i)	Existing Asphalt		m ²	80		
ii)	New Concrete		m ²	240		
A.73	Supply and Installation of Poly Posts	E22	each	16		
A.74	Removal and Refurbishment of Stittsville Lights	E23, E24	each	2		
A.75	Removal, Refurbishment and Reinstallation of Stittsville Lights	E23, E24	each	11		
A.76	Installation of Conduit	E45	m	100		
A.77	Removal of Planters	E46	each	2		
A	<u>PHASE I - RECONSTRUCTION: NOTRE DAME AVENUE FROM ADELAIDE STREET TO PORTAGE AVENUE</u>				Subtotal:	

FORM B(R1): PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B	<u>PHASE I - MILL AND FILL AND RELATED WORKS: PRINCESS AVENUE FROM NOTRE DAME AVENUE TO WILLIAM AVENUE</u>					
	EARTH AND BASE WORKS					
B.1	Excavation	CW 3110-R19	m ³	15		
B.2	Supplying and Placing Limestone Base Course Material	CW 3110-R19	m ³	15		
	ROADWORKS - RENEWALS					
B.3	Partial Slab Patches	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m ²	40		
ii)	200 mm Concrete Pavement (Type B)		m ²	100		
iii)	200 mm Concrete Pavement (Type D)		m ²	85		
B.4	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	30		
B.5	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	35		
B.6	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	100 mm Sidewalk		m ²	350		
B.7	Miscellaneous Concrete Slab Installation	CW 3235-R9				
i)	Construction of Monolithic Concrete Bullnose		m ²	70		
ii)	100 mm Sidewalk c/w Paving Stone Band (Paving Band Paid Separately)	SD-228A	m ²	350		
B.8	Concrete Curb Removal	CW 3240-R10				
i)	Barrier Integral		m	65		
ii)	Curb Ramp		m	60		
B.9	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (125 mm reveal ht, Dowelled)	SD-205	m	45		
ii)	Barrier (125 mm reveal ht, Separate)	SD-203A	m	25		
iii)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229A,B,C	m	60		

FORM B(R1): PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.10	Planing of Pavement	CW 3450-R6				
i)	1 - 50 mm Depth (Asphalt)		m ²	1,700		
ii)	50 - 100 mm Depth (Asphalt)		m ²	3,400		
B.11	Detectable Warning Surface Tiles	CW 3326-R3	each	18		
B.12	Interlocking Paving Stones	CW 3330-R5, E33				
i)	Clay Pavers		m ²	30		
B.13	Removal and Stockpiling of Existing Paving Stones	E32	m ²	40		
B.14	Reinstallation of Stockpiled Pavers	E33	m ²	40		
B.15	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	100		
B.16	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	1,000		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	60		
B.17	Pavement Repair Fabric	E11	m ²	450		
	JOINT AND CRACK SEALING					
B.18	Reflective Crack Maintenance	CW 3250-R7	m	1,500		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
B.19	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	1		
B.20	Remove and Replace Existing Catch Pit	CW 2130-R12				
i)	SD-023		each	2		
B.21	Catch Basin Flow Restrictors	E16	each	10		
B.22	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B Type 2 Bedding, Class 2 Backfill		m	7		

FORM B(R1): PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.23	Drainage Connection Pipe	CW 2130-R12	m	5		
B.24	Sewer Inspection (following repair)	CW2145-R4				
i)	575 mm, PVC, Combined Sewer		m	85		
B.25	Frames & Covers	CW 3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	6		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	12		
iii)	AP-011 - Barrier Curb and Gutter Frame		each	6		
iv)	AP-012 - Barrier Curb and Gutter Cover		each	6		
B.26	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	2		
B.27	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm (Type PVC) Connecting Pipe					
a)	Connecting to 450 mm (Type PVC) Sewer		each	1		
	ADJUSTMENTS					
B.28	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	6		
B.29	Lifter Rings (AP-010)	CW 3210-R8				
i)	51 mm		each	7		
ii)	76 mm		each	5		
B.30	Valve Box Extensions	CW 3210-R8	each	10		
B.31	Adjustment of Curb Inlet with New Inlet Box	CW 3210-R8	each	2		
B.32	Relocating Existing Hydrant - Type A	CW 2110-R11	each	1		
	LANDSCAPING					
B.33	Tree Vaults	E34	m ²	15		
B.34	Supply and Install Tree Grate	E34				
i)	1.2 x 1.2		each	1		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.35	Supply and Install Tree Grate Frame	E34				
i)	1.2 x 1.2 Frame		each	1		
B.36	Supply and Install Tree Vault Covers	E34				
i)	Vault Cover A		each	8		
B.37	Supply and Install Planting Medium Soil	E35	m ³	15		
B.38	Supply and Install Bicycle Rack	E36	each	3		
B.39	Salvage and Re-install Bicycle Hoop	E37	each	1		
B.40	Black Granite Mulch	E34	m ²	5		
	MISCELLANEOUS					
B.41	Supply and Installation of Green Bike Lane Treatment	E20				
i)	New Asphalt		m ²	70		
ii)	Existing Asphalt		m ²	80		
B.42	Supply and Installation of Poly Posts	E22	each	20		
B.43	Removal of Planters	E46	each	2		
B	<u>PHASE I - MILL AND FILL AND RELATED WORKS: PRINCESS AVENUE FROM NOTRE DAME AVENUE TO WILLIAM AVENUE</u>				Subtotal:	

FORM B(R1): PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C	<u>PHASE I - PAVEMENT RECONSTRUCTION AND STREETSCAPING: GARRY STREET FROM NOTRE DAME AVENUE TO PORTAGE AVENUE</u>					
	EARTH AND BASE WORKS					
C.1	Excavation	CW 3110-R19	m ³	920		
C.2	Sub-Grade Compaction	CW 3110-R19	m ²	2,000		
C.3	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm - Limestone		tonne	760		
ii)	150 mm - Limestone		tonne	2,000		
C.4	Supplying and Placing Limestone Base Course Material	CW 3110-R19	m ³	215		
C.5	Removal of Existing Concrete Bases	CW 3110-R19				
i)	600 mm Diameter or Less		each	3		
ii)	Greater than 600 mm Diameter		each	1		
C.6	Separation Geotextile Fabric	CW 3130-R4	m ²	2,000		
C.7	Supply and Install Geogrid	CW 3135-R1	m ²	2,000		
C.8	Removal of Street Car Track Bedding	E15	m ³	500		
	ROADWORKS - RENEWALS					
C.9	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement		m ²	1,950		
ii)	Asphalt Pavement		m ²	15		
C.10	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	15		
ii)	28.6 mm Diameter		each	35		
C.11	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	25		
ii)	25 M Deformed Tie Bar		each	110		
C.12	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	100 mm Sidewalk		m ²	610		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.13	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	5		
b)	5 sq.m. to 20 sq.m.		m ²	15		
c)	Greater than 20 sq.m.		m ²	40		
C.14	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (150 mm reveal ht, Separate)	SD-203A				
a)	Less than 3 m		m	10		
b)	3 m to 30 m		m	30		
C.15	Planing of Pavement	CW 3450-R6				
i)	1 - 50 mm Depth (Asphalt)		m ²	25		
ii)	50 - 100 mm Depth (Asphalt)		m ²	85		
C.16	Detectable Warning Surface Tiles	CW 3326-R3	each	7		
ROADWORKS - NEW CONSTRUCTION						
C.17	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 230 mm Concrete Pavement (Plain-Dowelled)		m ²	1,610		
ii)	Construction of 200 mm Concrete Pavement (Reinforced)		m ²	25		
iii)	Construction of Concrete Median Slabs	SD-227A	m ²	65		
iv)	Construction of Monolithic Concrete Bull-noses	SD-227C	m ²	15		
C.18	Concrete Pavements for Early Opening	CW 3310-R17				
i)	Construction of 230 mm Concrete Pavement for Early Opening 24 Hour (Plain-Dowelled)		m ²	185		
ii)	Construction of 230 mm Concrete Pavement for Early Opening 72 Hour (Plain-Dowelled)		m ²	105		
iii)	Construction of 200 mm Concrete Pavement for Early Opening 24 Hour (Reinforced)		m ²	25		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iv)	Construction of 200 mm Concrete Pavement for Early Opening 72 Hour (Reinforced)		m ²	15		
C.19	Miscellaneous Concrete Slab Installation	CW 3235-R9				
i)	100mm Sidewalk c/w Paving Stone Band (Paving Band Paid Separately)	SD-228A	m ²	650		
ii)	100 mm Sidewalk	SD-228A	m ²	20		
C.20	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Barrier (230 mm ht, Separate)	SD-203A	m	15		
ii)	Construction of Barrier (180 mm ht, Separate)	SD-203A	m	185		
iii)	Construction of Modified Barrier (180 mm ht, Integral)	SD-203B	m	15		
iv)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	40		
C.21	Supply and Installation of Dowel Assemblies	CW 3310-R17	m	350		
C.22	Interlocking Paving Stones	CW 3330-R5, E33				
i)	Concrete Pavers		m ²	85		
C.23	Removal and Stockpiling of Existing Paving Stones	E32	m ²	5		
C.24	Reinstallation of Stockpiled Pavers	E33	m ²	5		
C.25	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Tie-ins and Approaches					
a)	Type IA		tonne	25		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
C.26	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	3		
C.27	Catch Basin Flow Restrictors	E16	each	3		
C.28	Sewer Service	CW 2130-R12				
i)	250 mm, SDR PVC					

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.29	a) In a Trench, Class B Bedding, Class 2 Backfill Sewer Inspection (following repair)	CW2145-R4	m	21		
	i) 375 mm, PVC, SRS		m	155		
	ii) 1250 mm, Concrete Combined Sewer		m	65		
C.30	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-008 - Standard Grated Cover for Standard Frame		each	1		
C.31	Connecting to Existing Sewer	CW 2130-R12				
	i) 250 mm (Type SDR35) Connecting Pipe					
	a) Connecting to 375 mm (Type PVC) Sewer		each	3		
C.32	Removal of Existing Catch Basins	CW 2130-R12	each	2		
C.33	Removal of Existing Catch Pit	CW 2130-R12	each	2		
C.34	Abandoning Existing Sewer Services under Existing or Future Pavements	CW 2130-R12	each	2		
C.35	Installation of Subdrains	CW 3120-R4	m	65		
C.36	Watermain and Water Service Insulation	E14				
	i) Pipe Under Roadway Excavation (SD-018)		m ²	70		
C.37	Catchpit and Catch Basin Insulation	E15	each	2		
	ADJUSTMENTS					
C.38	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	5		
C.39	Replacing Existing Risers	CW 2130-R12				
	i) Pre-cast Concrete Risers		vert. m	1		
C.40	Lifter Rings (AP-010)	CW 3210-R8				
	i) 51 mm		each	3		
C.41	Adjustment of Valve Boxes	CW 3210-R8	each	5		

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.42	Valve Box Extensions	CW 3210-R8	each	4		
C.43	Adjustment of Curb Stop Boxes	CW 3210-R8	each	3		
C.44	Curb Stop Extensions	CW 3210-R8	each	2		
C.45	Adjustment of Traffic Signal Service Box Frames		each	1		
	MISCELLANEOUS					
C.46	Hydro Excavation	E12	hrs	100		
C.47	Adjustment of Manitoba Hydro Frames and Covers	E19	each	4		
C.48	Supply and Installation of Green Bike Lane Treatment	E20				
i)	New Concrete		m ²	170		
C.49	Supply Pedestrian Light Fixtures	E21	each	3		
C.50	Installation of Asphalt Speed Bumps	E43	each	2		
C.51	Installation of Conduit	E45	m	100		
C	<u>PHASE I - PAVEMENT RECONSTRUCTION AND STREETSCAPING: GARRY STREET FROM NOTRE DAME AVENUE TO PORTAGE AVENUE</u>				Subtotal:	

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D	<u>PHASE II - PAVEMENT REHABILITATION AND STREETSCAPING: GARRY STREET FROM PORTAGE AVENUE TO ASSINIBOINE AVENUE</u>					
	EARTH AND BASE WORKS					
D.1	Excavation	CW 3110-R19	m ³	390		
D.2	Supplying and Placing Base Course Material	CW 3110-R19	m ³	360		
	ROADWORKS - RENEWALS					
D.3	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement		m ²	1,160		
D.4	Partial Slab Patches	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m ²	50		
ii)	200 mm Concrete Pavement (Type B)		m ²	360		
iii)	200 mm Concrete Pavement (Type D)		m ²	860		
D.5	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	1,300		
D.6	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	1,300		
D.7	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	Monolithic Median Slab		m ²	20		
ii)	100 mm Sidewalk		m ²	5,430		
D.8	Miscellaneous Concrete Slab Installation	CW 3235-R9				
i)	Median Slab	SD-227A	m ²	50		
ii)	Monolithic Median Slab	SD-226A	m ²	20		
iii)	Safety Median	SD-226B	m ²	10		
iv)	100 mm Sidewalk c/w Paving Stone Band (Paving Band Paid Separately)	SD-228A	m ²	5,380		
D.9	Concrete Curb Removal	CW 3240-R10				
i)	Barrier Integral		m	1,000		
D.10	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (100 mm reveal ht, Dowelled)	SD-205	m	1,000		

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	Barrier (100 mm reveal ht, Separate)	SD-203A	m	470		
iii)	Modified Barrier (100 mm reveal ht, Dowelled)	SD-203B	m	200		
iv)	Curb Ramp (8-12 mm reveal ht, Integral)	SD-229A,B,C	m	400		
D.11	Planing of Pavement	CW 3450-R6				
i)	1 - 50 mm Depth (Asphalt)		m ²	5,800		
ii)	50 - 100 mm Depth (Asphalt)		m ²	7,900		
D.12	Detectable Warning Surface Tiles	CW 3326-R3	each	44		
D.13	Pavement Repair Fabric	E11	m ²	1,000		
ROADWORKS - NEW CONSTRUCTION						
D.14	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 200 mm Concrete Pavement (Reinforced)		m ²	1,160		
ii)	Construction of Concrete Median Slabs	SD-227A	m ²	455		
iii)	Construction of Monolithic Concrete Bull-noses	SD-227C	m ²	70		
D.15	Interlocking Paving Stones	CW 3330-R5, E33				
i)	Concrete Pavers		m ²	525		
D.16	Removal and Stockpiling of Existing Paving Stones	E32	m ²	175		
D.17	Reinstallation of Stockpiled Pavers	E33	m ²	175		
D.18	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	2,500		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	240		
JOINT AND CRACK SEALING						
D.19	Reflective Crack Maintenance	CW 3250-R7	m	1,800		

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
D.20	Catch Basin	CW 2130-R12				
i)	SD-024, 1800 mm deep		each	12		
D.21	Catch Pit	CW 2130-R12				
i)	SD-023		each	5		
D.22	Catch Basin Flow Restrictors	E16	each	12		
D.23	Sewer Service	CW 2130-R12				
i)	250 mm, PVC					
a)	In a Trench, Class B Type 2 Bedding, Class 2 Backfill		m	40		
D.24	Drainage Connection Pipe	CW 2130-R12	m	22		
D.25	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	300 mm Combined Sewer					
a)	Class 2 Backfill		each	3		
D.26	Sewer Inspection (following repair)	CW2145-R4				
i)	375 mm, PVC, SRS		m	155		
ii)	1250 mm, Concrete Combined Sewer		m	70		
D.27	Frames & Covers	CW3210-R8				
i)	AP-006 - Standard Frame for Manhole and Catch Basin		each	10		
ii)	AP-007 - Standard Solid Cover for Standard Frame		each	10		
D.28	Connecting to Existing Manhole	CW 2130-R12				
i)	250 mm Catch Basin Lead		each	1		
D.29	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	5		
D.30	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm (PVC) Connecting Pipe					
a)	Connecting to 300 mm Concrete Sewer		each	3		

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
b)	Connecting to 375 mm Concrete Sewer		each	2		
D.31	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	250 mm		each	4		
D.32	Removal of Existing Catch Basins	CW 2130-R12	each	8		
D.33	Removal of Existing Catch Pit	CW 2130-R12	each	7		
D.34	Abandoning Existing Drainage Inlets	CW 2130-R12	each	5		
ADJUSTMENTS						
D.35	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	10		
D.36	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	5		
ii)	51 mm		each	19		
iii)	76 mm		each	7		
D.37	Adjustment of Valve Boxes	CW 3210-R8	each	23		
D.38	Valve Box Extensions	CW 3210-R8	each	10		
D.39	Adjustment of Curb Stop Boxes	CW 3210-R8	each	20		
D.40	Curb Stop Extensions	CW 3210-R8	each	10		
D.41	Adjustment of Traffic Signal Service Box Frames	CW 3210-R8	each	5		
LANDSCAPING						
D.42	Salt Tolerant Grass Seeding	E42	m ²	450		
D.43	Tree Removal	E31	each	2		
D.44	Tree Vaults	E34	m ²	385		
D.45	Supply and Install Tree Grate	E34				
i)	1.2 x 1.2		each	28		
D.46	Supply and Install Tree Grate Frame	E34				
i)	1.2 x 1.2 Frame		each	28		

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.47	Supply and Install Tree Vault Covers	E34				
i)	Vault Cover A		each	114		
ii)	Vault Cover B		each	120		
D.48	Supply and Install Tree Guard	E35	each	28		
D.49	Supply and Install Planting Medium Soil	E35	m ³	350		
D.50	Plant Material	E39				
i)	Brandon Elm (65 mm cal.)		each	11		
ii)	Silver Cloud Silver Maple (65 mm cal.)		each	9		
iii)	Manitoba Maple (50 mm cal.)		each	1		
iv)	Delta Hackberry (65 mm cal.)		each	5		
v)	Prairie Horizon Alder (50 mm cal.)		each	3		
vi)	Discovery Elm (65 mm cal.)		each	1		
vii)	Japanese Tree Lilac (50 mm cal.)		each	1		
D.51	Long Term Maintenance	E40				
i)	General Maintenance of Plant Material		yrs	2		
D.52	Supply and Install Bicycle Rack	E36	each	44		
D.53	Salvage and Re-install Bicycle Hoop	E36	each	2		
D.54	Black Granite Mulch	E34	m ²	8		
D.55	Wood Chip Mulch	E34	m ³	20		
D.56	Supply and Install Metal Bench	E36	each	5		
D.57	Construct Concrete Ramp, Stairs and Wall including Metal Handrailings and Guardrail	E38	l.s.	1		
	MISCELLANEOUS					
D.58	Hydro Excavation	E12	hrs	120		
D.59	Adjustment of Manitoba Hydro Frames and Covers	E19	each	15		
D.60	Supply and Installation of Green Bike Lane Treatment	E20				
i)	New Concrete		m ²	780		

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	Existing Concrete		m ²	235		
D.61	Supply Pedestrian Light Fixtures	E21	each	27		
D	<u>PHASE II - PAVEMENT REHABILITATION AND STREETSCLAPING: GARRY STREET FROM PORTAGE AVENUE TO ASSINIBOINE AVENUE</u>				Subtotal:	

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT	
PART 2 WORK FUNDED BY WINNIPEG POLICE SERVICE							
(See B9.5, B15.2.1, B16.4, D2, D14.2-3, D16.4)							
E	<u>WINNIPEG POLICE SERVICE BUILDING BOLLARDS</u>						
E.1	Supply and Installation of Bollards	E27					
	i) Type A Shallow Mount		each	5			
	ii) Type B Deep Mount		each	116			
E.2	Removal of Precast Concrete Traffic Barriers	E25	l.s.	1			
E	<u>WINNIPEG POLICE SERVICE BUILDING BOLLARDS</u>					Subtotal:	

FORM B(R1): PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
SUMMARY						
PART 1 CITY FUNDED WORK						
A	<u>PHASE I - RECONSTRUCTION: NOTRE DAME AVENUE FROM ADELAIDE STREET TO PORTAGE AVENUE</u>				Subtotal:	
B	<u>PHASE I - MILL AND FILL AND RELATED WORKS: PRINCESS AVENUE FROM NOTRE DAME AVENUE TO WILLIAM AVENUE</u>				Subtotal:	
C	<u>PHASE I - PAVEMENT RECONSTRUCTION AND STREETSCAPING: GARRY STREET FROM NOTRE DAME AVENUE TO PORTAGE AVENUE</u>				Subtotal:	
D	<u>PHASE II - PAVEMENT REHABILITATION AND STREETSCAPING: GARRY STREET FROM PORTAGE AVENUE TO ASSINIBOINE AVENUE</u>				Subtotal:	
(total price) PART 1						
PART 2 WORK FUNDED BY WINNIPEG POLICE SERVICE (See B9.5, B15.2.1, B16.4, D2, D14.2-3, D16.4)						
E	<u>WINNIPEG POLICE SERVICE BUILDING BOLLARDS</u>				Subtotal:	
(total price) PART 2						
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. 6-2018

CITY OF WINNIPEG DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT, 2018-2019
PAVEMENT RENEWALS

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. 6-2018

CITY OF WINNIPEG DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT, 2018-2019
PAVEMENT RENEWALS

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 Seventy-Five (75) 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(R1): 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. 6-2018

CITY OF WINNIPEG DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT, 2018-2019
PAVEMENT RENEWALS

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(R1): 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 June 18, 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)