

FORM A: BID
(See B8)

1. Contract Title 2016 Regional Street Renewal Program - Pembina Highway SB & NB – Grant Avenue to 100m East of Osborne Street – Pavement Rehabilitation, Reconstruction and Buffered Bike Lanes

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. 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
A	<u>PEMBINA HIGHWAY REHABILITATION AND ACTIVE TRANSPORTATION CORRIDOR - S/B ARBUTHNOT STREET TO 110m EAST OF OSBORNE STREET</u>					
	EARTH AND BASE WORKS					
A.1	Excavation	CW 3110-R19	m ³	1,900		
A.2	Sub-Grade Compaction	CW 3110-R19	m ²	5,000		
A.3	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm		tonne	2,700		
ii)	150 mm		tonne	200		
A.4	Supplying and Placing Base Course Material	CW 3110-R19	m ³	600		
A.5	Grading of Boulevards	CW 3110-R19	m ²	3,000		
A.6	Separation Geotextile Fabric	CW 3130-R4	m ²	5,000		
A.7	Supply and Install Geogrid	CW 3135-R1	m ²	200		
	ROADWORKS - RENEWALS					
A.8	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement		m ²	1,350		
A.9	Slab Replacement	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m ²	1,500		
A.10	Partial Slab Patches	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m ²	25		
ii)	200 mm Concrete Pavement (Type B)		m ²	50		
iii)	200 mm Concrete Pavement (Type C)		m ²	10		
iv)	200 mm Concrete Pavement (Type D)		m ²	100		
A.11	Slab Replacement - Early Opening (24 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m ²	600		
A.12	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m ²	25		
ii)	200 mm Concrete Pavement (Type B)		m ²	50		
iii)	200 mm Concrete Pavement (Type C)		m ²	10		
iv)	200 mm Concrete Pavement (Type D)		m ²	100		
A.13	Slab Replacement - Early Opening (72 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m ²	1,500		
A.14	Partial Slab Patches - Early Opening (72 hour)	CW 3230-R8				

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
i)	200 mm Concrete Pavement (Type A)		m ²	10		
ii)	200 mm Concrete Pavement (Type B)		m ²	730		
iii)	200 mm Concrete Pavement (Type C)		m ²	10		
iv)	200 mm Concrete Pavement (Type D)		m ²	20		
A.15	Partial Depth Planing of Existing Joints	E12	m ²	300		
A.16	Asphalt Patching of Partial Depth Joints	E12	m ²	300		
A.17	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	1,750		
A.18	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	2,950		
A.19	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	Monolithic Median Slab		m ²	70		
ii)	100 mm Sidewalk		m ²	2,200		
iii)	Bullnose		m ²	20		
A.20	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	100		
A.21	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	800		
A.22	Concrete Curb Removal	CW 3240-R10				
i)	Barrier Integral		m	1,300		
ii)	Curb Ramp		m	300		
A.23	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (150 mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	80		
b)	3 m to 30 m		m	80		
c)	Greater than 30 m		m	160		
ii)	Modified Barrier (150 mm reveal ht, Dowelled)	SD-203B	m	40		
A.24	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	55		
A.25	Construction of Asphaltic Concrete Overlay	CW 3410-R11				
i)	Main Line Paving					
a)	Type IA		tonne	5,500		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	600		
A.26	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	20,400		
ii)	1 - 50 mm Depth (Concrete)		m ²	400		
A.27	Pavement Repair Fabric	E11	m ²	8,200		
A.28	Detectable Warning Surface Tiles	CW 3326-R3	each	56		
A.29	Directional Bar Tiles	E18				
i)	305 mm x 610 mm Tiles		each	28		
ROADWORKS - NEW CONSTRUCTION						
A.30	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 200 mm Concrete Pavement (Reinforced)		m ²	700		
ii)	Construction of Concrete Median Slabs	SD-227A	m ²	110		
iii)	Construction of Monolithic Concrete Median Slabs	SD-226A	m ²	110		
iv)	Construction of Monolithic Curb and Sidewalk	SD-228B	m ²	80		
v)	Construction of Monolithic Concrete Bull-noses	SD-227C	m ²	65		
A.31	Concrete Pavements for Early Opening	CW 3310-R17				
i)	Construction of 200 mm Concrete Pavement for Early Opening 72 hour (Reinforced)		m ²	2,000		
A.32	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Barrier (150 mm ht, Dowelled, Slip Form Paving)	SD-205	m	750		
ii)	Construction of Barrier (150 mm ht, Dowelled)	SD-205	m	130		
iii)	Construction of Modified Barrier (150 mm ht, Dowelled)	SD-203B	m	360		
iv)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	320		
v)	Construction of Safety Curb (330 mm ht)	SD-206B	m	210		
vi)	Construction of Splash Strip (150 mm ht, Monolithic Barrier Curb, 750 mm width, Slip Form Paving)	SD-223A	m	900		
vii)	Construction of Splash Strip (150 mm ht, Monolithic Barrier Curb, 750 mm width)	SD-223A	m	200		
viii)	Construction of Splash Strip (150 mm ht, Monolithic Modified Barrier Curb, 750 mm width)	SD-223A	m	110		
ix)	Construction of Landscaping Curb	E22	m	40		
A.33	100 mm Concrete Sidewalk	CW 3325-R5	m ²	200		

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.34	Miscellaneous Concrete Slab Installation	E16				
i)	100mm Sidewalk with Block-Outs for Interlocking Paving Stones		m ²	2,900		
A.35	Interlocking Paving Stones	CW 3330-R5, E17				
i)	Holland Stone - Charcoal		m ²	240		
ii)	Holland Stone - Blue		m ²	5		
	JOINT AND CRACK SEALING					
A.36	Reflective Crack Maintenance	CW 3250-R7	m	6,000		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
A.37	Catch Basin	CW 2130-R12				
i)	SD-024, 1200 mm deep		each	7		
A.38	Catch Pit	CW 2130-R12				
i)	SD-023		each	6		
A.39	Drainage Connection Pipe	CW 2130-R12	m	65		
A.40	Replacing Existing Manhole and Catch Basin Frames & Covers	CW 2130-R12				
i)	AP-004 - Standard Frame for Manhole and Catch Basin		each	15		
ii)	AP-005 - Standard Solid Cover for Standard Frame		each	13		
iii)	AP-006 - Standard Grated Cover for Standard Frame		each	2		
A.41	Connecting to Existing Manhole	CW 2130-R12				
i)	250 mm Catch Basin Lead		each	1		
A.42	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	1		
A.43	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm Connecting Pipe					
a)	Connecting to 375 mm Sewer		each	1		
A.44	Plugging Existing Sewers and Sewer Services Smaller Than 300 mm	CW 2130-R12	each	1		
A.45	Removal of Existing Catch Basins	CW 2130-R12	each	6		
A.46	Abandoning Existing Drainage Inlets	CW 2130-R12	each	6		
A.47	Catch Basin Cleaning	CW 2140-R3	each	2		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ADJUSTMENTS						
A.48	Adjustment of Catch Basins / Manholes Frames	CW 3210-R7	each	3		
A.49	Lifter Rings	CW 3210-R7				
i)	38 mm		each	1		
ii)	51 mm		each	18		
A.50	Adjustment of Valve Boxes	CW 3210-R7	each	9		
A.51	Valve Box Extensions	CW 3210-R7	each	1		
A.52	Adjustment of Curb Stop Boxes	CW 3210-R7	each	3		
LANDSCAPING						
A.53	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	500		
ii)	width > or = 600 mm		m ²	1,500		
A.54	Salt Tolerant Grass Seeding	E13	m ²	300		
MISCELLANEOUS						
A.55	Tree Removal	CW 3010-R4, E14	each	8		
A.56	Abandon Cast-In-Place Concrete Foundations	CW 3110-R19				
i)	Abandon Flag Foundation		each	3		
ii)	Abandon Information Kiosk Foundation		each	1		
iii)	Abandon Concrete Pile and Cap for Illuminated Signage Structure		each	1		
A.57	Cast-In-Place Concrete Foundations	E19				
i)	Bus Stop Flag Foundation		each	3		
ii)	Information Kiosk Foundation		each	1		
iii)	Concrete Pile and Cap for Illuminated Signage Structure		each	1		
A.58	Supply and Installation of Inlaid Longitudinal Lane Line Marking Tape	E20	m	1,500		
A.59	Soft Excavation to Expose Underground Utilities	E21	hr	16		
A	<u>PEMBINA HIGHWAY REHABILITATION AND ACTIVE TRANSPORTATION CORRIDOR - S/B ARBUTHNOT STREET TO 110m EAST OF OSBORNE STREET</u>				Subtotal:	

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B	<u>PEMBINA HIGHWAY REHABILITATION AND ACTIVE TRANSPORTATION CORRIDOR - N/B 100m SOUTH OF GRANT AVENUE TO 50m EAST OF OSBORNE STREET</u>					
	EARTH AND BASE WORKS					
B.1	Excavation	CW 3110-R19	m³	1,900		
B.2	Sub-Grade Compaction	CW 3110-R19	m²	6,600		
B.3	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm		tonne	3,500		
ii)	150 mm		tonne	200		
B.4	Supplying and Placing Base Course Material	CW 3110-R19	m³	1,050		
B.5	Grading of Boulevards	CW 3110-R19	m²	3,000		
B.6	Separation Geotextile Fabric	CW 3130-R4	m²	6,600		
B.7	Supply and Install Geogrid	CW 3135-R1	m²	2,400		
	ROADWORKS - RENEWALS					
B.8	Pavement Removal	CW 3110-R19				
i)	Concrete Pavement		m²	4,200		
B.9	Slab Replacement	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m²	1,000		
B.10	Partial Slab Patches	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m²	10		
ii)	200 mm Concrete Pavement (Type B)		m²	500		
iii)	200 mm Concrete Pavement (Type C)		m²	10		
iv)	200 mm Concrete Pavement (Type D)		m²	15		
B.11	Slab Replacement - Early Opening (24 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m²	100		
B.12	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m²	10		
ii)	200 mm Concrete Pavement (Type B)		m²	400		
iii)	200 mm Concrete Pavement (Type C)		m²	10		
iv)	200 mm Concrete Pavement (Type D)		m²	20		
B.13	Slab Replacement - Early Opening (72 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m²	1,000		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.14	Partial Slab Patches - Early Opening (72 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m ²	10		
ii)	200 mm Concrete Pavement (Type B)		m ²	500		
iii)	200 mm Concrete Pavement (Type C)		m ²	10		
iv)	200 mm Concrete Pavement (Type D)		m ²	15		
B.15	Partial Depth Planing of Existing Joints	E12	m ²	300		
B.16	Asphalt Patching of Partial Depth Joints	E12	m ²	300		
B.17	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	2,350		
B.18	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	3,400		
B.19	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	Monolithic Median Slab		m ²	40		
ii)	100 mm Sidewalk		m ²	2,100		
iii)	Bullnose		m ²	10		
iv)	Monolithic Curb and Sidewalk		m ²	40		
B.20	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	60		
B.21	Removal of Existing Concrete F-Type Traffic Barrier	E25	m	80		
B.22	Removal of Precast Sidewalk Blocks	CW 3235-R9	m ²	700		
B.23	Concrete Curb Removal	CW 3240-R10				
i)	Barrier Integral		m	1,300		
ii)	Curb Ramp		m	200		
B.24	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (150 mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	40		
b)	3 m to 30 m		m	80		
c)	Greater than 30 m		m	90		
ii)	Modified Barrier (150 mm reveal ht, Dowelled)	SD-203B	m	40		
iii)	Landscaping Curb	E22	m	80		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.25	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	20		
B.26	Construction of Asphaltic Concrete Overlay	CW 3410-R11				
i)	Main Line Paving					
a)	Type IA		tonne	4,900		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	550		
B.27	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	13,500		
ii)	1 - 50 mm Depth (Concrete)		m ²	400		
B.28	Pavement Repair Fabric	E11	m ²	6,200		
B.29	Detectable Warning Surface Tiles	CW 3326-R3	each	46		
B.30	Directional Bar Tiles	E18				
i)	305 mm x 610 mm Tiles		each	21		
ROADWORKS - NEW CONSTRUCTION						
B.31	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 200 mm Concrete Pavement (Reinforced)		m ²	2,200		
ii)	Construction of Concrete Median Slabs	SD-227A	m ²	90		
iii)	Construction of Monolithic Concrete Median Slabs	SD-226A	m ²	90		
iv)	Construction of Monolithic Curb and Sidewalk	SD-228B	m ²	30		
v)	Construction of Monolithic Concrete Bull-noses	SD-227C	m ²	50		
B.32	Concrete Pavements for Early Opening	CW 3310-R17				
i)	Construction of 200 mm Concrete Pavement for Early Opening 72 hour (Reinforced)		m ²	2,400		
B.33	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Barrier (150 mm ht, Dowelled, Slip Form Paving)	SD-205	m	1,050		
ii)	Construction of Barrier (150 mm ht, Dowelled)	SD-205	m	250		
iii)	Construction of Modified Barrier (150 mm ht, Dowelled)	SD-203B	m	280		
iv)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	270		
v)	Construction of Safety Curb (330 mm ht)	SD-206B	m	390		
vi)	Construction of Splash Strip (150 mm ht, Monolithic Barrier Curb, 750 mm width, Slip Form Paving)	SD-223A	m	900		
vii)	Construction of Splash Strip (150 mm ht, Monolithic Barrier Curb, 750 mm width)	SD-223A	m	200		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
viii)	Construction of Splash Strip (150 mm ht, Monolithic Modified Barrier Curb, 750 mm width)	SD-223A	m	110		
ix)	Construction of Landscaping Curb	E22	m	60		
B.34	100 mm Concrete Sidewalk	CW 3325-R5	m ²	250		
B.35	Miscellaneous Concrete Slab Installation	E16				
i)	100mm Sidewalk with Block-Outs for Interlocking Paving Stones		m ²	3,000		
B.36	Interlocking Paving Stones	CW 3330-R5, E17				
i)	Holland Stone - Charcoal		m ²	300		
ii)	Holland Stone - Blue		m ²	10		
iii)	Roman Pavers - Natural Grey		m ²	70		
iv)	Roman Pavers - Sierra Grey		m ²	610		
JOINT AND CRACK SEALING						
B.37	Reflective Crack Maintenance	CW 3250-R7	m	4,000		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
B.38	Catch Basin	CW 2130-R12				
i)	SD-024, 1200 mm deep		each	10		
B.39	Catch Pit	CW 2130-R12				
i)	SD-023		each	12		
B.40	Drainage Connection Pipe	CW 2130-R12	m	115		
B.41	Replacing Existing Manhole and Catch Basin Frames & Covers	CW 2130-R12				
i)	AP-004 - Standard Frame for Manhole and Catch Basin		each	5		
ii)	AP-005 - Standard Solid Cover for Standard Frame		each	8		
iii)	AP-006 - Standard Grated Cover for Standard Frame		each	2		
iv)	AP-008 - Barrier Curb and Gutter Inlet Frame and Box		each	2		
v)	AP-009 - Barrier Curb and Gutter Inlet Cover		each	2		
B.42	Connecting to Existing Manhole	CW 2130-R12				
i)	250 mm Catch Basin Lead		each	8		
B.43	Connecting to Existing Catch Basin	CW 2130-R12				
i)	250 mm Drainage Connection Pipe		each	14		

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.44	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm (PVC) Connecting Pipe					
a)	Connecting to 300 mm Sewer		each	1		
B.45	Removal of Existing Catch Basins	CW 2130-R12	each	9		
B.46	Removal of Existing Catch Pit	CW 2130-R12	each	6		
B.47	Abandoning Existing Drainage Inlets	CW 2130-R12	each	15		
B.48	Catch Basin Cleaning	CW 2140-R3	each	2		
B.49	Installation of Subdrains	CW 3120-R4	m	72		
ADJUSTMENTS						
B.50	Adjustment of Catch Basins / Manholes Frames	CW 3210-R7	each	8		
B.51	Lifter Rings	CW 3210-R7				
i)	38 mm		each	3		
ii)	51 mm		each	15		
B.52	Adjustment of Valve Boxes	CW 3210-R7	each	15		
B.53	Valve Box Extensions	CW 3210-R7	each	4		
B.54	Adjustment of Curb Stop Boxes	CW 3210-R7	each	12		
B.55	Relocating Existing Hydrant - Type A	CW 2110-R11	each	1		
LANDSCAPING						
B.56	Sodding	CW 3510-R9				
i)	width < 600 mm		m ²	500		
ii)	width > or = 600 mm		m ²	1,500		
B.57	Salt Tolerant Grass Seeding	E13	m ²	300		
MISCELLANEOUS						
B.58	Tree Removal	CW 3010-R4, E16	each	4		
B.59	Abandon Cast-In-Place Concrete Foundations	CW 3110-R19				
i)	Abandon Flag Foundation		each	1		
ii)	Abandon Information Kiosk Foundation		each	1		

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ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.60	Cast-In-Place Concrete Foundations	E19				
i)	Bus Stop Flag Foundation		each	1		
ii)	Information Kiosk Foundation		each	1		
iii)	Overhead Sign Structure Base		each	3		
B.61	Removal of Existing Crash Cushion Attenuators	E27	each	3		
B.62	Removal of Existing Overhead Sign Structure	E28	each	2		
B.63	Supply and Installation of 16.92m Full Span Overhead Sign Structure	E29	each	1		
B.64	Supply and Installation of 11.60m Cantilever Sign Structure	E29	each	1		
B.65	Removal of Wooden Posts and Fencing	E23	m	23		
B.66	Supply and Installation of Wooden Posts and Fencing	E24	m	23		
B.67	Supply and Installation of W-Beam Guardrail	E26	L.S.	1		
B.68	Supply and Installation of Inlaid Longitudinal Lane Line Marking Tape	E20	m	1,200		
A.69	Soft Excavation to Expose Underground Utilities	E21	hr	16		
B	<i>PEMBINA HIGHWAY REHABILITATION AND ACTIVE TRANSPORTATION CORRIDOR - N/B 100m SOUTH OF GRANT AVENUE TO 50m EAST OF OSBORNE STREET</i>				Subtotal:	

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C	<u>CORYDON AVENUE REHABILITATION - NASSAU STREET SOUTH TO PEMBINA HIGHWAY</u>					
	ROADWORKS - RENEWALS					
C.1	Slab Replacement - Early Opening (24 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m ²	10		
C.2	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Type B)		m ²	20		
C.3	Slab Replacement - Early Opening (72 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Reinforced)		m ²	50		
C.4	Partial Slab Patches - Early Opening (72 hour)	CW 3230-R8				
i)	200 mm Concrete Pavement (Type A)		m ²	10		
ii)	200 mm Concrete Pavement (Type B)		m ²	100		
iii)	200 mm Concrete Pavement (Type C)		m ²	10		
iv)	200 mm Concrete Pavement (Type D)		m ²	10		
C.5	Partial Depth Planing of Existing Joints	E12	m ²	50		
C.6	Asphalt Patching of Partial Depth Joints	E12	m ²	50		
C.7	Drilled Dowels	CW 3230-R8				
i)	19.1 mm Diameter		each	220		
C.8	Drilled Tie Bars	CW 3230-R8				
i)	20 M Deformed Tie Bar		each	340		
C.9	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	100 mm Sidewalk		m ²	1,200		
C.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	40		
C.11	Concrete Curb Removal	CW 3240-R10				
i)	Barrier Integral		m	325		
ii)	Curb Ramp		m	40		
iii)	Safety Curb		m	10		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.12	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (150 mm reveal ht, Dowelled, Slip Form Paving)	SD-205	m	270		
ii)	Barrier (150 mm reveal ht, Dowelled)	SD-205	m	10		
iii)	Modified Barrier (150 mm reveal ht, Dowelled)	SD-203B	m	50		
iv)	Curb Ramp (8-12 mm reveal ht, Monolithic)	SD-229A,B,C	m	40		
C.13	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (150 mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	5		
ii)	Modified Barrier (150 mm reveal ht, Dowelled)	SD-203B	m	5		
C.14	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m ²	5		
C.15	Construction of Asphaltic Concrete Overlay	CW 3410-R11				
i)	Main Line Paving					
a)	Type IA		tonne	610		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	120		
C.16	Planing of Pavement	CW 3450-R6				
i)	50 - 100 mm Depth (Asphalt)		m ²	2,500		
C.17	Detectable Warning Surface Tiles	CW 3326-R3	each	4		
ROADWORKS - NEW CONSTRUCTION						
C.18	Miscellaneous Concrete Slab Installation	E16				
i)	100mm Sidewalk with Block-Outs for Interlocking Paving Stones		m ²	1,200		
C.19	Interlocking Paving Stones	CW 3330-R5, E17				
i)	Holland Stone - Blue		m ²	5		
ii)	Beldin Regimental Paver - Regimental Red		m ²	70		
JOINT AND CRACK SEALING						
C.20	Reflective Crack Maintenance	CW 3250-R7	m	300		
ASSOCIATED DRAINAGE AND UNDERGROUND WORKS						
C.21	Catch Basin	CW 2130-R12				
i)	SD-024, 1200 mm deep		each	3		
C.22	Drainage Connection Pipe	CW 2130-R12	m	6		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.23	Replacing Existing Manhole and Catch Basin Frames & Covers	CW 2130-R12				
i)	AP-004 - Standard Frame for Manhole and Catch Basin		each	2		
ii)	AP-005 - Standard Solid Cover for Standard Frame		each	2		
iii)	AP-008 - Barrier Curb and Gutter Inlet Frame and Box		each	3		
iv)	AP-009 - Barrier Curb and Gutter Inlet Cover		each	3		
C.24	Removal of Existing Catch Basins	CW 2130-R12	each	3		
C.25	Abandoning Existing Drainage Inlets	CW 2130-R12	each	3		
C.26	Catch Basin Cleaning	CW 2140-R3	each	4		
ADJUSTMENTS						
C.27	Adjustment of Catch Basins / Manholes Frames	CW 3210-R7	each	1		
C.28	Lifter Rings	CW 3210-R7				
i)	51 mm		each	4		
C.29	Adjustment of Valve Boxes	CW 3210-R7	each	4		
C.30	Adjustment of Curb Stop Boxes	CW 3210-R7	each	12		
MISCELLANEOUS						
C.31	Abandon Cast-In-Place Concrete Foundations	CW 3110-R19				
i)	Abandon Flag Foundation		each	1		
C.32	Cast-In-Place Concrete Foundations	E19				
i)	Bus Stop Flag Foundation		each	1		
C	<u>CORYDON AVENUE REHABILITATION - NASSAU STREET SOUTH TO PEMBINA HIGHWAY</u>				Subtotal:	

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D	<u>SEWER AND CB LEAD REPAIRS</u>					
	PEMBINA HWY SB at JESSIE AVE (MA70038903)					
D.1	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
D.2	Sewer Inspection (following repair)	CW2145-R3				
i)	250 mm, Storm		m	16		
	PEMBINA HWY SB at GARWOOD AVE (CL60009179)					
D.3	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
D.4	Sewer Inspection (following repair)	CW2145-R3				
i)	250 mm, CB Lead		m	46		
	PEMBINA HWY at ARBUTHNOT ST (CL60021727)					
D.5	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	200 mm					
a)	Class 3 Backfill		each	1		
D.6	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	200 mm					
a)	Class 3 Backfill		m	3		
D.7	Sewer Inspection (following repair)	CW2145-R3				
i)	200 mm, CB Lead		m	45		
	PEMBINA HWY SB at GRANT AVE (CL60009067)					
D.8	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
D.9	Sewer Inspection (following repair)	CW2145-R3				
i)	250 mm, CB Lead		m	20		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PEMBINA HWY NB at DUDLEY AVE (MA60009173)						
D.10	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	450 mm					
a)	Class 3 Backfill		each	2		
D.11	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	450 mm					
a)	Class 3 Backfill		m	3		
D.12	Sewer Inspection (following repair)	CW2145-R3				
i)	450 mm, CS		m	101		
PEMBINA HWY NB at FLEET AVE (CL60009199)						
D.13	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		each	1		
D.14	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		m	9		
D.15	Sewer Inspection (following repair)	CW2145-R3				
i)	300 mm, CB Lead		m	88		
PEMBINA HWY NB at NASSAU ST N (CL60009228)						
D.16	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
D.17	Sewer Inspection (following repair)	CW2145-R3				
i)	250 mm, CB Lead		m	37		

FORM B: PRICES
 (SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
PEMBINA HWY NB at WARSAW AVE (CL60010703)						
D.18	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		each	1		
D.19	Sewer Repair - In Addition to First 3.0 Meters	CW 2130-R12				
i)	300 mm					
a)	Class 3 Backfill		m	1		
D.20	Sewer Inspection (following repair)	CW2145-R3				
i)	300 mm, CB Lead		m	58		
PEMBINA HWY NB at MULVEY AVE (CL60009219)						
D.21	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
D.22	Sewer Inspection (following repair)	CW2145-R3				
i)	250 mm, CB Lead		m	25		
CORYDON AVENUE EB (CL60010728)						
D.23	Sewer Repair - Up to 3.0 Meters Long	CW 2130-R12				
i)	250 mm					
a)	Class 3 Backfill		each	1		
D.24	Sewer Inspection (following repair)	CW2145-R3				
i)	250 mm, CB Lead		m	5		
D	<u>SEWER AND CB LEAD REPAIRS</u>				Subtotal:	
SUMMARY						
A	<u>PEMBINA HIGHWAY REHABILITATION AND ACTIVE TRANSPORTATION CORRIDOR - S/B ARBUTHNOT STREET TO 110m EAST OF OSBORNE STREET</u>				Subtotal:	
B	<u>PEMBINA HIGHWAY REHABILITATION AND ACTIVE TRANSPORTATION CORRIDOR - N/B 100m SOUTH OF GRANT AVENUE TO 50m EAST OF OSBORNE STREET</u>				Subtotal:	
C	<u>CORYDON AVENUE REHABILITATION - NASSAU STREET SOUTH TO PEMBINA HIGHWAY</u>				Subtotal:	
D	<u>SEWER AND CB LEAD REPAIRS</u>				Subtotal:	
TOTAL BID PRICE (GST extra)			(in figures)		_____	

 Name of Bidder

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. 386-2016

2016 Regional Street Renewal Program - Pembina Highway SB & NB – Grant Avenue to 100m East of Osborne Street – Pavement Rehabilitation, Reconstruction and Buffered Bike Lanes

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. 386-2016

2016 Regional Street Renewal Program - Pembina Highway SB & NB – Grant Avenue to 100m East of Osborne Street – Pavement Rehabilitation, Reconstruction and Buffered Bike Lanes

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. 386-2016

2016 Regional Street Renewal Program - Pembina Highway SB & NB – Grant Avenue to 100m
East of Osborne Street – Pavement Rehabilitation, Reconstruction and Buffered Bike Lanes

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 July 30, 2016.

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)