### FORM A: BID (See B8)

1.	Contract Title	OSBORNE STREET BR WORKS	IDGE REHABILITATION AND	) RELATED
2.	Bidder			
		Name of Bidder		
		Street		
		City	Province	Postal Code
		Facsimile Number		
	(Mailing address if different)	Street or P.O. Box		
		City	Province	Postal Code
		The Bidder is:		
	(Choose one)	a sole proprietor		
		a partnership		
		a corporation		
		carrying on business und	der the above name.	
3.	Contact Person	The Bidder hereby auth the Bidder for purposes	orizes the following contact p of the Bid.	erson to represent
		Contact Person	Title	
		Telephone Number	Facsimile Number	
4.	Definitions		sed in the Contract shall has General Conditions and D3	ave the meanings
5.	Offer	_	rs to perform the Work in ac d Price, in Canadian funds, s	

6.	Bid Security	In accordance with B11.1, 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 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 forty-five (45) 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)

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
Α	BRIDGE WORK					
A.1	Mobilization and Demobilization	E4/E5	L.S.	1		
A.2	Traffic Control	E6	L.S.	1		
A.3	Pedestrian Protection	E7	L.S.	1		
A.4	Structural Removals	E8				
i)	Handrail		L.S.	1		
ii)	Asphalt Overlay		L.S.	1		
iii)	Concrete Bridge Deck Overhang and Sidewalk Slab Overhang		L.S.	1		
iv)	Deck Drains		L.S.	1		
v)	Preparation for New Deck Drains		L.S.	1		
vi)	Expansion Joints		L.S.	1		
vii)	Approach Slabs		L.S.	1		
viii)	Abutments		L.S.	1		
ix)	North Abutment Approach Precast Concrete Channel Girders		L.S.	1		
x)	Navigation Lights		L.S.	1		
xi)	Stage I Deck Concrete		L.S.	1		
xii)	Stage II Deck Concrete		L.S.	1		
xiii)	Stage III Deck Concrete					
a)	Type 1		m²	300		
b)	Type 2		m²	40		
c)	Type 3		m²	260		
A.5	Bridge Deck Surface Preparation	E8	L.S.	1		
A.6	Relocate and Remove River Level Monitoring System	E8	L.S.	1		

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT PRICE	AMOUNT
A 7	Our about a d Diago Otrocatoral Decilatil	REF.		QUANTITY		
A.7	Supply and Place Structural Backfill	E10				
i)	Granular Backfill		m <sup>3</sup>	1,000		
ii)	Suitable Site Backfill Material		m <sup>3</sup>	100		
A.8	Supply and Place Black Reinforcing Steel	E11	kg	28,000		
A.9	Supply and Place Stainless Steel Reinforcing	E11	kg	230,000		
A.10	Install Reinforcing Steel Into Hardened Concrete	E11	each	1,600		
A.11	Supply and Place Structural Concrete	E12				
i)	Stage I Bridge Deck		L.S.	1		
ii)	Bridge Sidewalk Slab		L.S.	1		
iii)	Bridge Traffic Barriers		L.S.	1		
iv)	North Abutment Slab		L.S.	1		
v)	Expansion Joint Dams		L.S.	1		
vi)	Approach Slabs		L.S.	1		
vii)	Roadway Slabs		L.S.	1		
viii)	Abutment Modifications		L.S.	1		
ix)	Pier Cap Modifications		L.S.	1		
x)	Slope Paving Protection		L.S.	1		
xi)	Stage II Bridge Deck					
a)	Type 1		m²	300		
b)	Type 2		m²	40		
A.12	Supply and Install Moveable Deck Hoarding for Deck Slab Concrete	E12	L.S.	1		
A.13	Supply and Install Anchor Units for Bridge Street Lights and Aluminum Pedestrian Handrail	E12	L.S.	1		

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT PRICE	AMOUNT
		REF.		QUANTITY		
A.14	Supply and Install Galvanized Steel Bridge Traffic Barrier Expansion Joint Assembly	E12	each	320		
A.15	Supply and Install Galvanized Steel Bridge Traffic Barrier Drains	E12	each	70		
A.16	Supply and Install Galvanized Steel Bridge Deck Drains	E12	each	18		
A.17	Supply and Place High Performance Concrete (HPC) Overlay	E13	L.S.	1		
A.18	Supply and Install Moveable Deck Hoarding for High Performance Concrete (HPC) Overlay	E13	L.S.	1		
A.19	Supply and Place Sidewalk Wearing Surface Concrete (WSC) Overlay	E14	m²	680		
A.20	Supply and Install Stainless Steel Art Sidewalk Strips	E14	m²	680		
A.21	Supply and Install Moveable Deck Hoarding for Sidewalk Wearing Surface Concrete (WSC) Overlay	E14	L.S.	1		
A.22	Repair Miscellaneous Areas of Concrete	E15	m²	200		
A.23	Activated Arc Spray Zinc Corrosion Protection	E16	m <sup>2</sup>	230		
A.24	Install Disc Bearings	E17				
i)	Mk'D'		each	6		
ii)	Mk'E'		each	4		
iii)	Mk'F'		each	2		
iv)	Mk'G'		each	2		
A.25	Install Steel Reinforced Elastomeric Bearings	E17				
i)	Mk'A'		each	4		
ii)	Mk'B'		each	20		
iii)	Mk'C'		each	4		
A.26	Post Tensioning Inspection and Remedial Repairs	E18	m	380		

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT PRICE	AMOUNT
		REF.		QUANTITY		
A.27	Supply and Install Post Tensioning Strand Splicing	E18	each	30		
A.28	Supply and Install Post Tensioning Strand Grout	E18	m	190		
A.29	Supply and Install Zinc Anode Units	E18	each	380		
A.30	Supply and Install Recess Grouting	E18	m	380		
A.31	Supply and Install Expansion Joints	E19	each	4		
A.32	Supply and Install Aluminum Pedestrian Handrail	E20	m	350		
A.33	Supply and Install Aluminum Art Balusters	E20	each	100		
A.34	Supply and Install Aluminum Art Gateway Panels	E20	m	19		
A.35	Hot-Poured Rubberized Asphalt Waterproofing	E21	m <sup>2</sup>	250		
A.36	Remove Existing Slope Paving	E22	L.S.	1		
A.37	Construct Slope Protection	CW 3615- R2/E22	m²	775		
A.38	LED Lighting for Aluminum Pedestrian Handrails, Art Balusters, and Art Gateway Panels	E23	L.S.	1		
A.39	Supply and Install Bridge Street Lights, Navigation Lights, River Level Monitoring System, and Underbridge Light Fixtures	E24				
i)	Navigation Lights		L.S.	1		
ii)	River Level Monitoring System		L.S.	1		
iii)	Underbridge Lights		L.S.	1		

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT PRICE	AMOUNT
A.40	Electrical Conduits	REF. E25		QUANTITY		
71.10	2. Control Conduito	220				
i)	125 mm - Supply		m	1,600		
ii)	125 mm - Install		m	1,600		
iii)	100 mm - Supply		m	1,200		
iv)	100 mm - Install		m	1,200		
v)	50 mm - Supply		m	310		
vi)	50 mm - Install		m	310		
vii)	25 mm - Supply		m	1,340		
viii)	25 mm - Install		m	1,340		
A.41	Exposing Existing Underground Utilities	E27	L.S.	1		
A.42	Supply and Install QuadGuard II System	E28	each	2		
A.43	Supply and Install QuadGuard CZ System	E28	each	2		
A.44	Remove and Salvage QuadGuard CZ System	E28	each	2		
A.45	Transport and Install Temporary Precast Concrete Barriers	E30	each	140		
A.46	Relocate Temporary Precast Concrete Barriers	E30	each	420		
A.47	Remove and Transport Temporary Precast Concrete Barriers	E30	each	140		
A.48	Supply and Install North Abutment Distribution Panel	E41	L.S.	1		
A.49	Construction of Asphaltic Concrete Overlay	CW 3410-R8				
i)	Main Line Paving					
a)	Type 1A		tonne	70		
Α	BRIDGE WORK				Subtotal:	

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
В	ROADWORK					
	EARTH AND BASE WORKS					
B.1	Excavation	CW 3110-R13	m³	325		
B.2	Sub-Grade Compaction	CW 3110-R13	m²	660		
B.3	Crushed Sub-base Material	CW 3110-R13				
i)	50 mm - Limestone		tonne	470		
B.4	Supplying and Placing Base Course Material	CW 3110-R13/ E33	m³	40		
B.5	Grading of Boulevards	CW 3110-R13	m²	100		
B.6	Removal of Existing Concrete Bases	CW 3110-R13				
i)	600 mm Diameter or Less		each	16		
	ROADWORK - REMOVALS/RENEWALS					
B.7	Pavement Removal	CW 3110-R13				
i)	Asphalt Pavement		m²	500		
B.8	Slab Replacement	CW 3230-R6				
i)	230 mm Concrete Pavement (Plain- Dowelled)		m²	400		
ii)	230 mm Concrete Pavement (Plain- Dowelled, Tinted)	E38	m²	130		
iii)	200 mm Concrete Pavement (Plain- Dowelled)		m²	795		
B.9	Partial Slab Patches	CW 3230-R6				
i)	200 mm Concrete Pavement (Type A)		m²	20		
ii)	200 mm Concrete Pavement (Type B)		m²	1,675		
iii)	200 mm Concrete Pavement (Type C)		m²	85		
iv)	200 mm Concrete Pavement (Type D)		m²	270		
iv)	200 mm Concrete Pavement (Type D)		m²	270		

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.10	Slab Replacement - Early Opening (24 hour)	CW 3230-R6				
i)	200 mm Concrete Pavement (Plain- Dowelled)		m²	170		
B.11	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R6				
i)	200 mm Concrete Pavement (Type B)		m²	185		
B.12	Drilled Dowels	CW 3230-R6				
i)	19.1 mm Diameter		each	2,400		
B.13	Drilled Tie Bars	CW 3230-R6				
i)	20 M Deformed Tie Bar		each	3,140		
B.14	Miscellaneous Concrete Slab Removal	CW 3235-R8				
i)	Median Slab		m²	500		
ii)	100 mm Sidewalk		m²	2,640		
B.15	Miscellaneous Concrete Slab Installation	CW 3235-R8				
i)	Monolithic Median Slab	SD-226A	m²	55		
ii)	Safety Median	SD-226B	m²	300		
iii)	100 mm Sidewalk	SD-228A/E42	m²	2,640		
iv)	Structural Sidewalk	E11/E12/E42	LS	1		
B.16	Concrete Curb Removal	CW 3240-R8				
i)	Barrier (Separate)		m	850		
ii)	Curb Ramp		m	130		

ITEM	DESCRIPTION	SPEC.	UNIT	APPROX.	UNIT PRICE	AMOUNT
B.17	Concrete Curb Installation	REF. CW 3240-R8		QUANTITY		
D.17	Concrete Curb installation	CVV 3240-R6				
i)	Barrier (180 mm ht, Dowelled)	SD-205	m	425		
ii)	Barrier (180 mm ht, Dowelled) Slip Form Paving	SD-205	m	425		
iii)	Barrier (300 mm width, Separate)	SD-203A/E39	m	175		
iv)	Mountable Curb (120 mm ht, Integral)	SD-201	m	40		
v)	Curb Ramp (10-15 mm ht, Integral)	SD-229A,B,C	m	215		
vi)	Splash Strip (180 mm ht, Monolithic Barrier Curb, 750 mm width)	SD-223A	m	55		
vii)	Transition Median Barrier	E32	m	20		
B.18	Supply and Installation of Dowel Assemblies	CW 3310-R14	m	250		
B.19	Regrading Existing Interlocking Paving Stones	CW 3330-R5	m²	125		
B.20	Construction of Asphaltic Concrete Overlay	CW 3410-R8				
i)	Main Line Paving					
a)	Type IA		tonne	3,225		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	355		
B.21	Planing of Pavement	CW 3450-R5				
i)	0 - 50 mm Depth (Asphalt)		m²	1,785		
ii)	50 - 100 mm Depth (Asphalt)		m²	11,380		
B.22	Detectable Warning Surface Tiles	E31				
i)	300 X 300 mm		each	37		
ii)	610 X 1220 mm		each	20		

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	ROADWORKS - NEW CONSTRUCTION					
B.23	Supply and Install 60mm Paving Stones	CW 3330-R5/ E43				
	Endicott Clay Brick Paver 60x102x204mm (Manganese Ironspot)		m²	455		
ii)	Transit Blue Holland Paver 60x105x210mm		m²	10		
B.24	Lean Concrete Base	CW 3335-R1	m²	175		
,	JOINT AND CRACK SEALING					
B.25	Reflective Crack Maintenance	CW 3250-R7	m	2,300		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
B.26	Connecting to Existing Manhole	CW 2130-R12				
i) :	250 mm Catch Basin Lead		each	1		
B.27	Catch Basin	CW 2130-R12				
i) :	SD-024, 1800 mm deep		each	11		
B.28	Catch Pit	CW 2130-R12				
i) :	SD-023		each	2		
B.29	Sewer Service	CW 2130-R12				
i) i	250 mm, PVC					
	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	60		
	Replacing Existing Manhole and Catch Basin Frames & Covers	CW 2130-R12				
	AP-004 - Standard Frame for Manhole and Catch Basin		each	10		
,	AP-005 - Standard Solid Cover for Standard Frame		each	10		
	Connecting New Sewer Service to Existing Sewer Service	CW 2130-R12				
i)	250mm		each	9		

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.32	Connecting to Existing Sewer	CW 2130-R12				
i)	250 mm PVC SDR35 Connecting Pipe					
a)	Connecting to 1370 mm SRS		each	1		
B.33	Removal of Existing Catch Basins	CW 2130-R12	each	13		
	ADJUSTMENTS					
B.34	Adjustment of Catch Basins / Manholes Frames	CW 3210-R7	each	11		
B.35	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	2		
B.36	Lifter Rings	CW 3210-R7				
i)	51 mm		each	6		
B.37	Adjustment of Valve Boxes	CW 3210-R7	each	12		
	LANDSCAPING					
B.38	Sodding	CW 3510-R9				
i)	width > or = 600 mm		m²	500		
B.39	Salt Tolerant Grass Seeding	E37	m²	160		
B.40	Construction of Northwest Planter and Paver Edging	E44	L.S.	1		
B.41	Construction of Northeast Planter and Paver Edging	E44	L.S.	1		

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	MISCELLANEOUS					
B.42	Cast-in-place Concrete Foundations	E40				
i)	Heated Shelter Foundation		L.S.	1		
ii)	Bus Stop Flag Foundation		L.S.	1		
B.43	Transport and Install Triton Water Filled Traffic Barriers	E29	each	40		
B.44	Relocate Triton Water Filled Traffic Barriers	E29	each	90		
B.45	Remove and Transport Triton Water Filled Traffic Barriers	E29	each	40		
В	<u>ROADWORK</u>				Subtotal:	
SUMMARY						
Α	BRIDGE WORK Subtotal:					
В	ROADWORK				Subtotal:	
TOTAL BID PRICE (GST extra) (in figures)						
(in words)						

(Seal)

Template Version: C020100621 - Main C

### FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 1 of 2) (See B11)

BID BOND				
KNOW ALL MEN BY THESE PRESENTS THAT				
(hereinafter called the "Principal") and				
(hereinafter called the "Surety"), are held and firmly bound unto <b>THE CITY OF WINNIPEG</b> (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. 8-2011				
OSBORNE STREET BRIDGE REHABILITATION AND RELATED WORKS				
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, of 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:  (Name of Principal)  Per: (Seal)  Per:				

(Name of Surety)

(Attorney-in-Fact)

By:

(Seal)

Template Version: C020100621 - Main C

#### FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 2 of 2) (See B11)

#### 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, (Name of Bidder) (Place) the Bidder to you on \_\_\_\_\_\_, 20\_\_\_\_ for **BID OPPORTUNITY NO. 8-2011** OSBORNE STREET BRIDGE REHABILITATION AND RELATED WORKS 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 forty-five 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 \_\_\_\_\_\_, 20\_\_\_\_\_\_, (Name of Surety) By: (Attorney-in-Fact)

# FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING (BID SECURITY) (Page 1 of 2) (See B11)

(Date)	
Corpo Materi 185 Ki	ity of Winnipeg rate Finance Department ials Management Division ing Street, Main Floor peg MB R3B 1J1
RE:	BID SECURITY - BID OPPORTUNITY NO. 8-2011
	OSBORNE STREET BRIDGE REHABILITATION AND RELATED WORKS
Pursua	ant to the request of and for the account of our customer,
(Name	of Bidder)
WE H	es of Bidder)  EREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding aggregate
	Canadian dollars.
demar Letter payme	Standby Letter of Credit may be drawn on by you at any time and from time to time upon written for payment made upon us by you. It is understood that we are obligated under this Standby of Credit for the payment of monies only and we hereby agree that we shall honour your demand for ent without inquiring whether you have a right as between yourself and our customer to make such and without recognizing any claim of our customer or objection by the customer to payment by us.
	mount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon ou or by formal notice in writing given to us by you if you desire such reduction or are willing that it be
Partial	drawings are permitted.
	ngage with you that all demands for payment made within the terms and currency of this Standby of Credit will be duly honoured if presented to us at:
(Addres	is)
and w	e 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 B11)

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 2, 2011.

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 (1993 Revision), International Chamber of Commerce Publication Number 500.

(Name	of bank or financial institution)
Per:	
	(Authorized Signing Officer)
Per:	
	(Authorized Signing Officer)