



ADDENDUM NO. 1 to TENDER NO. 237-2004

Disraeli Overpass Substructure Rehabilitation 2004

ISSUED: May 26, 2004
BUYER: Coleen Groening
TELEPHONE NO. (204) 986-2491

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
TENDER PACKAGE**

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE TENDER PACKAGE AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

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

TABLE OF CONTENTS

Replace Table of Contents with attached Table of Contents.

PART B – BIDDING PROCEDURES

Replace Form B: Prices with the attached Form B: Prices (R1).

Revise B2.1 to read:

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, June 1, 2004.

Revise B15.4 to read:

- B15.4 Further to B15.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices, adjusted as follows:
- (a) if the lowest evaluated responsive Bid submitted by a responsible and qualified Bidder is within the budgetary provision for the Work, no adjustment will be made to the Total Bid Price; or
 - (b) if the lowest evaluated responsive Bid submitted by a responsible and qualified Bidder exceeds the budgetary provision for the Work, the Total Bid Prices of all responsive Bids submitted by responsible and qualified Bidders will be adjusted by deducting the sum of the quantities multiplied by the unit prices shown on Form B: Prices for the following items in the order listed until a Total Bid Price within the budgetary provision is achieved.

<u>Item No.</u>	<u>Description</u>
1. (iii)	Excavation and Backfill – Pier 18
2. (iii)	Remove Existing Drain Pipes
3. (ii)	Concrete Removal and Surface Repairs – Additional Depth – Pier 183
4. (ii)	Concrete Surface Repairs – 120 mm Depth – Pier 18
5. (ii)	Concrete Removal for Surface Repairs – 120 mm Depth – Pier 18
9. (ii)	Install Embedded Anodes for Mechanically Sound Concrete – Pier 18
10. (ii)	Install Embedded Anodes for Surface Repairs – Pier 18
11. (iii)	Pigmented Concrete Sealer – Pier 18
14.	Temporary Shoring – Pier 18

PART D – SUPPLEMENTAL CONDITIONS

Revise D2.2 to read :

- D2.2 The major components of the Work are as follows:
- (a) Excavations to expose existing footings;
 - (b) Removing Existing Drain Pipes;
 - (c) Surface concrete removals to 120 mm depth;
 - (d) Sandblasting existing concrete and rebar surfaces;
 - (e) Concrete surface patch repairs;
 - (f) Installing galvanic anodes for surface repairs and in sound concrete;
 - (g) Cast-in-place reinforced concrete pier construction;
 - (h) Design and installation of temporary shoring;
 - (i) Backfilling excavations with granular backfill

PART E – SPECIFICATIONS

Revise 3.6.1(d) to read:

- E3.6.1 (d) Concrete Removal at Pier 15

Existing concrete removal at Pier 15 will be paid for on a volume basis, as accepted by the Contract Administrator. The volume to be paid for shall be the total number of cubic meters of concrete removed in accordance with the Specification and accepted by the Contract Administrator, as measured on site.

Revise E3.6.2(d) to read:

- E3.6.2 (d) Concrete Removal at Pier 15

Existing concrete removal at Pier 15 will be paid at the Contract Unit Price for "Concrete Removal – Pier 15", measured as specified herein, which price shall be payment in full for supplying all materials and performing all operations herein described relating to this item of Work, and all other items incidental to the Work included in this item of Work.

Payment will not be made for concrete removed past the limits of removal shown on the drawing. Payment will be made for additional concrete removed if required and approved by the Contract Administrator.

Revise E4.3.2 to read:

- E4.3.2. Placing of Reinforcing Steel

Reinforcing steel shall be placed accurately in the positions shown on the Drawings and shall be retained in such positions by means of a sufficient number of bar accessories so that the bars shall not be moved out of alignment during or after the depositing of concrete. The Contract Administrator's decision in this matter shall be final.

Reinforcing steel shall be free from all foreign material in order to ensure a positive bond between the concrete and steel. The Contractor shall also remove any dry concrete, which has been deposited on the steel from previous pouring operations before additional concrete may be placed. Intersecting bars shall be tied positively at each intersection.

Splices in reinforcing steel shall be made only where indicated on the Drawings. Prior approval of the Contract Administrator shall be obtained where other splices must be made. Welded splices will not be permitted.

Replacement Reinforcing shall be placed accurately in-line with existing reinforcing. Laps, when required shall be typical Class B splices for reinforcing steel. Drilled and epoxy grouted reinforcing shall be embedded as specified on the drawings and installed as required.

Reinforcing steel shall not be straightened or rebent in a manner that will injure the metal. Bars with bends not shown on the Drawings shall not be used. Heating of reinforcing steel will not be permitted without prior approval of the Contract Administrator. A minimum of twenty-four (24) hours advance notice shall be given to the Contract Administrator prior to the pouring of any concrete to allow for inspection of the reinforcement.

Revise E4.5.1 to read:

E4.5.1 Method of Measurement

- a) Supply and Place Reinforcing Steel – Pier 8
The supplying and placing of Reinforcing Steel will be measured on a mass basis. The mass to be paid for shall be the total number of kilograms of reinforcing steel installed in accordance with this Specification, accepted by the Contract Administrator, as computed from the approved reinforcing layout shown on the Drawings or the reviewed shop drawings, excluding the mass of bar accessories.
- b) Supply and Place Reinforcing Steel – Pier 15
The supplying and placing of Reinforcing Steel will be measured on a mass basis. The mass to be paid for shall be the total number of kilograms of reinforcing steel installed in accordance with this Specification, accepted by the Contract Administrator, as computed from the approved reinforcing layout shown on the Drawings or the reviewed shop drawings, excluding the mass of bar accessories.
- c) Supply and Place Reinforcing Steel – Pier 18
The supplying and placing of Reinforcing Steel will be measured on a mass basis. The mass to be paid for shall be the total number of kilograms of reinforcing steel installed in accordance with this Specification, accepted by the Contract Administrator, as computed from the approved reinforcing layout shown on the Drawings or the reviewed shop drawings, excluding the mass of bar accessories.

Revise E4.5.2 to read:

E4.5.2 Basis of Payment

- a) Supply and Place Reinforcing Steel – Pier 8
The supplying and placing of Reinforcing Steel shall be paid for at the Contract Unit Price per kilogram for “Supply and Place Reinforcing Steel – Pier 8” measured as specified herein, which price shall be payment in full for supplying all materials and for performing all operations herein described and all other items incidental to the work included in this Specification.
- b) Supply and Place Reinforcing Steel – Pier 15
The supplying and placing of Reinforcing Steel shall be paid for at the Contract Unit Price per kilogram for “Supply and Place Reinforcing Steel – Pier 15” measured as specified herein, which price shall be payment in full for supplying all materials and for performing all operations herein described and all other items incidental to the work included in this Specification.
- c) Supply and Place Reinforcing Steel – Pier 18
The supplying and placing of Reinforcing Steel shall be paid for at the Contract Unit Price per kilogram for “Supply and Place Reinforcing Steel – Pier 18” measured as specified herein, which price shall be payment in full for supplying all materials and for performing

all operations herein described and all other items incidental to the work included in this Specification.

Revise E6.4.1 to read:

E.6.4.1. Excavation

Excavation shall include the required excavation to the limits indicated on the Drawings, as well as loading, hauling and off-site disposal of all excavated materials. Excavation shall include removal of all encountered materials including, but not necessarily limited to, topsoil, clays, silts, rock, gravel, boulders, rubble, rubbish, and existing asphalt.

Any materials dropped or spilled on City streets during hauling operations shall be promptly cleaned up by and at the expense of the Contractor to the satisfaction of the Contract Administrator.

The Contractor shall excavate to stable side slopes. Side slopes shall be no steeper than those indicated on the Drawings. Side slopes shown on the Drawings indicate only the maximum allowable slopes, and such slopes may not necessarily be stable depending on the actual soil conditions at the site. It is the responsibility of the Contractor to ensure that the excavated side slopes are stable. If necessary, the Contractor shall put in place such bracing and shoring as may be required to safely support the sides of the excavation. All excavation side slopes and/or bracing and shoring shall be designed by a Professional Engineer registered in the Province of Manitoba and shall be installed in accordance with the latest revision of the Manitoba Workplace Safety and Health Act, satisfactory to the Contract Administrator. This Work shall be considered incidental to excavation and no separate payment will be made.

Excavation beyond the limits shown on the Drawings shall be backfilled with compacted granular backfill at the Contractor's expense.

The Contractor shall have sufficient pumping equipment on site to dewater the excavations and keep them in a dry condition throughout construction. This shall be considered incidental to excavation and no separate payment will be made for dewatering.

Damage to the existing pier structure existing asphalt outside of the limits of excavation caused by the Contractor's operations during excavation, as determined by the Contract Administrator, shall be repaired at the Contractor's expense to the satisfaction of the Contract Administrator.

The Contractor is responsible for locating any and all buried utilities or other underground structures that may exist within the area of excavation, prior to commencing Work. Any damage to existing underground structures or utilities is the sole responsibility of the Contractor.

Revise E6.5.1 to read:

E.6.5.1 Method of Measurement

Excavation and backfill will be paid for on a volume basis as accepted by the Contract Administrator. The volume to be paid for shall be the total number of cubic meters for excavation and backfill in accordance with this Specification and accepted by the Contract Administrator.

Revise E6.5.2 to read:

E6.5.2 Basis of Payment

Excavation and backfill will be paid for at the Contract Unit Sum Price for the "Items of Work" listed here below, measured as specified herein, which price shall be payment in full for supplying all materials and performing all operations herein described and all other items incidental to the Work included in this Specification.

Items of Work:

Excavation and Backfill

- (i) Pier 8
- (ii) Pier 15
- (iii) Pier 18

Add the following E8 Specifications

E8 Remove Existing Drain Pipes

E8.1 Description

This Specification shall cover all Work relating to the removal and capping of the existing drain pipes at each pier.

The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, transportation, disposal and all things necessary for and incidental to the satisfactory performance and completion of all Work as hereinafter specified.

E8.2 Construction Methods

The removal of the existing pier drain pipes shall include removing the pier drain pipes for Pier 8, 15 & 18 from the underside of the bridge deck to 1 metre below ground. Existing pipe below ground shall be capped with concrete or an approved method such that material cannot enter the existing underground pipe.

E8.3 Measurement and Payment

E8.3.1 Method of Measurement

a) Remove Existing Drain Pipes – Pier 8

Removal and capping of the existing pier drain pipes shall be paid for on a Lump Sum basis, as accepted by the Contract Administrator, and no measurement will be made for this Work.

b) Remove Existing Drain Pipes – Pier 15

Removal and capping of the existing pier drain pipes shall be paid for on a Lump Sum basis, as accepted by the Contract Administrator, and no measurement will be made for this Work.

c) Remove Existing Drain Pipes – Pier 18

Removal and capping of the existing pier drain pipes shall be paid for on a Lump Sum basis, as accepted by the Contract Administrator, and no measurement will be made for this Work.

E8.3.2 Basis of Payment

a) Remove Existing Drain Pipes – Pier 8

Removal and capping of existing drain pipe for Pier 8 will be paid for at the Contract Lump Sum Price for “Remove Existing Drain Pipes – Pier 8”, measured as specified herein, which price shall be payment in full for supplying all materials and performing all operations herein described, and all other items incidental to the Work included in this Specification.

b) Remove Existing Drain Pipes – Pier 15

Removal and capping of existing drain pipe for Pier 15 will be paid for at the Contract Lump Sum Price for “Remove Existing Drain Pipes – Pier 15”, measured as specified herein, which price shall be payment in full for supplying all materials and performing

all operations herein described, and all other items incidental to the Work included in this Specification.

c) Remove Existing Drain Pipes – Pier 18

Removal and capping of existing drain pipe for Pier 18 will be paid for at the Contract Lump Sum Price for "Remove Existing Drain Pipes – Pier 18", measured as specified herein, which price shall be payment in full for supplying all materials and performing all operations herein described, and all other items incidental to the Work included in this Specification.

TABLE OF CONTENTS

PART A - BID SUBMISSION

Form A: Bid	1
Form B: Prices	4
Form G1: Bid Bond and Agreement to Bond	6
Form G2: Irrevocable Standby Letter of Credit and Undertaking	8

PART B - BIDDING PROCEDURES

B1. Project Title	1
B2. Submission Deadline	1
B3. Site Investigation	1
B4. Enquiries	1
B5. Addenda	1
B6. Substitutes	2
B7. Bid Submission	3
B8. Bid	3
B9. Prices	4
B10. Qualification	4
B11. Bid Security	5
B12. Opening of Bids and Release of Information	6
B13. Irrevocable Bid	6
B14. Withdrawal of Bids	6
B15. Evaluation of Bids	7
B16. Award of Contract	8

PART C - GENERAL CONDITIONS

C1. General Conditions	1
------------------------	---

PART D - SUPPLEMENTAL CONDITIONS

General

D1. General Conditions	1
D2. Scope of Work	1
D3. Contract Administrator	1
D4. Contractor's Supervisor	2
D5. Notices	2
D6. Furnishing of Documents	2

Submissions

D7. Performance Security	2
D8. Insurance	3
D9. Subcontractor List	3

Schedule of Work

D10. Commencement	3
D11. Substantial Performance	4
D12. Total Performance	4
D13. Liquidated Damages	4

Control of Work

D14. Job Meetings	5
D15. Prime Contractor – The Workplace Safety and Health Act (Manitoba)	5

Warranty

D16. Warranty	5
Form H1: Performance Bond	6

Form H2: Irrevocable Standby Letter of Credit	8
Form J: Subcontractor List	10

PART E - SPECIFICATIONS

General

E1. Applicable Specifications, Standard Details and Drawings	1
E2. Concrete Surface Repairs	1
E3. Structural Concrete	8
E4. Supplying and Placing Reinforcing Steel	23
E5. Embedded Galvanic Anodes	26
E6. Excavation and Backfill	30
E7. Temporary Shoring	32
E8. Remove Existing Drain Pipes	34

FORM B: PRICES (R1)
 (See B9)

DISRAELI OVERPASS SUBSTRUCTURE REHABILITATION 2004

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Excavation and Backfill	E6				
	(i) Pier 8		m ³	41		
	(ii) Pier 15		m ³	28		
	(iii) Pier 18		m ³	41		
2.	Remove Existing Drain Pipes	E8				
	(i) Pier 8		Lump Sum	1		
	(ii) Pier 15		Lump Sum	1		
	(iii) Pier 18		Lump Sum	1		
3.	Concrete Removal for Surface Repairs – 120 mm Depth	E2				
	(i) Pier 8		m ²	64		
	(ii) Pier 18		m ²	60		
4.	Concrete Surface Repairs – 120 mm Depth	E2				
	(i) Pier 8		m ²	64		
	(ii) Pier 18		m ²	60		
5.	Concrete Removal and Surface Repairs – Additional Depth	E2				
	(i) Pier 8		m ³	1.5		
	(ii) Pier 18		m ³	1.5		
6.	Concrete Removal – Pier 15	E3	m ³	7		
7.	Supply and Place Structural Concrete – Pier 15	E3	m ³	77		
8.	Supply and Place Reinforcing Steel	E4	kg			
	(i) Pier 8				2,000	
	(ii) Pier 15				13,800	
	(iii) Pier 18				2,000	
9.	Install Embedded Anodes for Surface Repairs	E5				
	(i) Pier 8		Each	175		
	(ii) Pier 18		Each	150		
10.	Install Embedded Anodes for Mechanically Sound Concrete	E5				
	(i) Pier 8		Each	430		
	(ii) Pier 18		Each	305		
11.	Pigmented Concrete Sealer	E3				
	(i) Pier 8		m ²	219		
	(ii) Pier 15		m ²	225		
	(iii) Pier 18		m ²	140		

FORM B: PRICES (R1)
 (See B9)

DISRAELI OVERPASS SUBSTRUCTURE REHABILITATION 2004

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
12.	Temporary Shoring – Pier 8	E7	Lump Sum	1		
13.	Temporary Shoring – Pier 15	E7	Lump Sum	1		
14.	Temporary Shoring – Pier 18	E7	Lump Sum	1		

TOTAL BID PRICE (GST extra) (in figures) \$ _____

(in words) _____

 Name of Bidder