



989-2013 ADDENDUM 1

PORTAGE AVENUE TWIN BRIDGES OVER STURGEON CREEK REHABILITATION AND RELATED WORKS

ISSUED: January 15, 2013
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URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE BID
OPPORTUNITY**

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20131129

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

PART A – BID SUBMISSION

Replace: 989-2013 Bid Submission with 989-2013 Addendum 1- Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B(R1): Prices: Replace entire form.

Page numbering on some forms may be changed as a result.

PART E – SPECIFICATIONS

Revise: E1.3 to read: The following are applicable to the Work:

REFERENCE DRAWINGS

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
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GENERAL

B178-80-02	Design Data and Drawing List
B178-80-03	Existing Site Plan and Subsoil Profile
B178-80-04	General Arrangement - Plan
B178-80-05	General Arrangement – Section and Elevation

SOUTH STRUCTURE

B178-80-11	West Abutment SU-1 Concrete
B178-80-12	West Abutment SU-1 Reinforcing
B178-80-14	East Abutment SU-4 Concrete
B178-80-15	East Abutment: SU-4 Reinforcing
B178-80-17	Piers SU-2 and SU-3 Concrete
B178-80-18	Piers SU-2 and SU-3 Reinforcing
B178-80-19	Precast Box Beam End Spans 9.616m
B178-80-22	Deck Plan Concrete and Reinforcing
B178-80-23	Deck Details

NORTH STRUCTURE

B178-80-31	West Abutment SU-5 Concrete
B178-80-32	West Abutment SU-5 Reinforcing
B178-80-34	East Abutment SU-8 Concrete
B178-80-35	East Abutment: SU-8 Reinforcing
B178-80-37	Piers SU-6 and SU-7 Concrete

B178-80-38	Piers SU-6 and SU-7 Reinforcing
B178-80-39	Precast Box Beam End Spans 9.616m
B178-80-42	Deck Plan Concrete and Reinforcing
B178-80-43	Deck Details
<u>REINFORCING SCHEDULE</u>	
B178-80-63	Historical Panel

- Revise: E4.5.6(a) to read: All Work shall take place in accordance with the requirements of the Navigable Waters Permit. **Refer to Appendix A for further information.**
- Add: E8.7.19 Protection of Existing Reinforcing Steel
- Add: E8.7.19(a) Epoxy coated reinforcing steel is located in the deck slab, the median, the sidewalk slab, and the barrier. During concrete removals, precautions shall be undertaken to ensure that the reinforcing steel is not damaged. Minor touch-ups of the coated reinforcing steel shall be required for all salvaged reinforcing steel, if damaged. Touch-ups shall be undertaken as directed by the Contract Administrator. Epoxy coating shall be 3M Scotchkote, or equal as accepted by the Contract Administrator, in accordance with B7, "Substitutes". Refer to Record Drawings for further details. Any damaged reinforcing steel shall be replaced to the satisfaction of the Contract Administrator at no additional cost to the City.
- Revise: E13.3(a)(ii) to read: Repair and patching of pier concrete at existing light fixture locations **and other areas of miscellaneous pier concrete**;
- Revise: E13.3(a)(iii) to read: Repair and patching of miscellaneous abutment concrete **and historical panels**;
- Revise: E13.7.2(b) to read: **For concrete removals**, the deteriorated concrete shall be removed using a chipping hammer no heavier than 20 lbs, so as not to damage the sound concrete.
- Add: E13.7.6 Repair of Existing Deck Slab Concrete
- Add: E13.7.6(a) Miscellaneous concrete repair of existing deck slab concrete for partial depth repairs shall take place in accordance with the Drawings. Drawing B178-14-015 shows a typical surface repair, for which concrete is to be removed to the mid height of existing reinforcing steel. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3, with exception to the depth of repairs, which is specified above.
- Add: E13.7.6(b) In the event that blow-throughs of the deck or sidewalk occur during structural removal methods by hydrodemolition, full depth repairs will be required. Full depth repairs shall consist of full depth removal of concrete, installing necessary formwork, and undertaking concrete repairs. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3, with exception to the depth of repairs, which is specified above. Refer to E8.9.1(i) for further details regarding procedures of hydrodemolition containment in the instance of a blow-through.
- Add: E13.7.7 Repair and Patching of Pier Concrete
- Add: E13.7.7(a) Repair and patching of pier concrete shall take place at existing light fixture locations. Repairs and patching to permit installation of new lighting fixtures and vandal cover. Drawing B178-14-068 shows details for light fixtures and vandal cover and Record Drawings B178-80-17 and B178-80-37 show existing concrete, reinforcing steel cover, and lighting details. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3.
- Add: E13.7.7(b) Miscellaneous concrete repair areas for piers shall be identified by the Contract Administrator. Areas for pier repairs may include vertical surfaces of pier shaft and cap concrete. Record Drawings B178-80-17 and B178-80-37 show existing concrete and reinforcing steel cover. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3.

- Add: E13.7.8 Repair of Abutment Concrete
- Add: E13.7.8(a) Miscellaneous concrete repair areas for abutments shall be identified by the Contract Administrator. Areas for abutment repairs may include concrete surrounding bearing seats and vertical surfaces of abutment footing concrete. Record Drawings B178-80-11, B178-80-12, B178-80-14, B178-80-15, B178-80-31, B178-80-32, B178-80-34, and B178-80-35 show existing concrete and reinforcing steel cover. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3.
- Add: E13.7.8(b) Miscellaneous concrete repair areas for historical panels shall be identified by the Contract Administrator. Record Drawing B178-80-63 shows existing concrete details for the historical panels. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3.
- Add: E13.7.9 Repair of Deck Fascia and Soffit Concrete
- Add: E13.7.9(a) Miscellaneous concrete repair areas for deck fascia and soffit concrete for deck overhangs shall be identified by the Contract Administrator. The requirement for repairs on the deck fascia and soffits will be assessed following the completion of structural removals. Record Drawings B178-80-11, B178-80-22, B178-80-23, B178-80-42, and B178-80-43 show existing concrete and reinforcing steel cover. Preparation and repair shall be performed in accordance with E13.7.2 and E13.7.3.
- Add: E13.7.10 Protection of Existing Reinforcing Steel
- Add: E13.7.10(a) Epoxy coated reinforcing steel is located in the deck slab and sidewalk slab concrete. During concrete removals, precautions shall be undertaken to ensure that the reinforcing steel is not damaged. Minor touch-ups of the coated reinforcing steel may be required if damaged, and shall be undertaken as directed by the Contract Administrator. Epoxy coating shall be 3M Scotchkote, or equal as accepted by the Contract Administrator, in accordance with B7, "Substitutes". Refer to Record Drawings for further details. Any damaged reinforcing steel shall be replaced to the satisfaction of the Contract Administrator at no additional cost to the City.
- Revise: E13.9.1(a) to read: **Repairing miscellaneous areas of concrete shall be paid for at the Contract Unit Price per square metre for the "Items of Work" listed here below, performed in accordance with this Specification and accepted by the Contract Administrator, which price shall be paid in full for supplying all materials and for performing all operations herein described and all other items incidental to the Work.**
- Revise: E13.9.1(b) to read: **Items of Work:**
- (i) Repair Miscellaneous Areas of Concrete**
 - (i) Deck Slab (Partial Depth)**
 - (ii) Deck Slab (Full Depth)**
 - (iii) Piers and Abutments**
 - (iv) Deck Fascia and Soffits**
- Revise E13.9.1(c) to read: **Installation of Galvashield XP zinc anodes for miscellaneous concrete repairs shall be paid for at the Contract Unit Price per unit for "Supply and Install Galvashield XP Zinc Anode Units for Miscellaneous Areas of Concrete", measured as specified herein, performed in accordance with this Specification and accepted by the Contract Administrator, which price shall be paid in full for supplying all materials and performing all operations herein described and all other items incidental to the Work.**

Add E13.9.1(d): **Installation of Zinc DAS anodes XP zinc anodes for girder end repairs shall be paid for at the Contract Unit Price per unit for “Supply and Install Zinc DAS Anode Units for Girder End Repairs”, measured as specified herein, performed in accordance with this Specification and accepted by the Contract Administrator, which price shall be paid in full for supplying all materials and performing all operations herein described and all other items incidental to the Work.**

Add: Appendix A Navigable Waters Permit

DRAWINGS

Add: 989-2013_Record Drawings_B178-80-02-R0
989-2013_Record Drawings_B178-80-03-R0
989-2013_Record Drawings_B178-80-04-R0
989-2013_Record Drawings_B178-80-05-R0
989-2013_Record Drawings_B178-80-11-R0
989-2013_Record Drawings_B178-80-12-R0
989-2013_Record Drawings_B178-80-14-R0
989-2013_Record Drawings_B178-80-15-R0
989-2013_Record Drawings_B178-80-17-R0
989-2013_Record Drawings_B178-80-18-R0
989-2013_Record Drawings_B178-80-19-R0
989-2013_Record Drawings_B178-80-22-R0
989-2013_Record Drawings_B178-80-23-R0
989-2013_Record Drawings_B178-80-31-R0
989-2013_Record Drawings_B178-80-32-R0
989-2013_Record Drawings_B178-80-34-R0
989-2013_Record Drawings_B178-80-35-R0
989-2013_Record Drawings_B178-80-37-R0
989-2013_Record Drawings_B178-80-38-R0
989-2013_Record Drawings_B178-80-39-R0
989-2013_Record Drawings_B178-80-42-R0
989-2013_Record Drawings_B178-80-43-R0
989-2013_Record Drawings_B178-80-63-R0