



Hennepin County Transportation Department

ADDENDUM

**TO PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS FOR
GRADING, AGGREGATE BASE, BITUMINOUS BASE, BITUMINOUS SURFACE, STORM
SEWER, WATERMAIN, SURFACE WATER TREATMENT, CURB & GUTTER, CONCRETE
WALK, RETAINING WALL, LIGHTING, SIGNALS, LANDSCAPING, BRIDGE ANTI-ICING
SYSTEM, BRIDGE NO. 27B60 EXTENSION, AND BRIDGE NO. 90624 REMOVAL
HENNEPIN COUNTY TRANSPORTATION DEPARTMENT**

(To be opened Tuesday, February 22, 2011 at 2:00 P.M.)

ADDENDUM NO. 2

**CSAH 153 ; C.P. 041603
S.P. 27-753-13; SP 141-020-112
Minn. Proj. TCSP-STP10 09MN(005)**

NOTICE TO ALL BIDDERS:

Egram Project Information Access

Notice to ALL Bidders: The County now provides project information on its website called "eGram". To receive email notification of addendums and other updates, Bidders will need to log on the website via their ID and password. A bidder, after logging in, is added automatically to the website plan holders list and the email notification list.

This addendum for this project will not be sent out certified mail unless a bidder requests a certified mail addendum by calling 612-348-3181.

PLANS

1. On Sheet 4 of 131, add the following items to the SEQ:

2401.607 Structural Concrete (1A43)	Cu Yd	485
2401.607 Structural Concrete (1X46)	Cu Yd	90
2401.607 Structural Concrete (3Y43)	Cu Yd	428
2. On Sheet 4 of 131, change the quantities for the following items in the SEQ:

2401.501 Structural Concrete (1A43)	Cu Yd	1261
2401.501 Structural Concrete (1X46)	Cu Yd	1017
2401.501 Structural Concrete (3Y43)	Cu Yd	1661

3. Replaced the following plan sheets with the sheets under – Sheets on eGram:
 - Sheet 76 of 131 DRAINAGE PLANS
 - Sheet B45 of B108 FRAMING PLAN – SPAN 2
 - Sheet B46 of B108 FRAMING PLAN – SPAN 3
 - Sheet B47 of B108 FRAMING PLAN – SPAN 4
 - Sheet B56 of B108 SOFFIT SLAB DETAILS (SHEET 2 OF 2)
 - Sheet B58 of B108 GIRDERS 2-3 & 6-7 WEB DETAILS (SPANS 2-4)
 - Sheet B69 of B108 DECK SLAB LAYOUT – SPAN 4
 - Sheet B72 of B108 SPANS 2-4 BILL OF REINFORCEMENT & QUANTITIES (SHT 1 OF 2)
 - Sheet B79 of B108 CONDUIT SYSTEM LAYOUT & DETAILS (SHEET 6 OF 7)
 - Sheet B81 of B108 ORNAMENTAL METAL RAILING TYPE SPECIAL 1 DETAILS-1
 - Sheet B82 of B108 ORNAMENTAL METAL RAILING TYPE SPECIAL 1 DETAILS-2
 - Sheet B83 of B108 ORNAMENTAL FENCE DESIGN SPECIAL B (SHEET 1 OF 2)
 - Sheet B93 of B108 DECK DRAINAGE SYSTEM
4. On Sheet WW1 of WW39– RETAINING WALL GENERAL NOTES & DETAILS, in the Schedule of Quantities for West Retaining Walls, change “STRUCTURAL CONCRETE (1A43)”, “STRUCTURAL CONCRETE (1X46)”, and “STRUCTURAL CONCRETE (3Y43)” item numbers to 2401.607.
5. On Sheet WW11 of WW39 – WALL ‘A’ GENERAL PLAN & ELEVATION (SHEET 1 OF 2), Change item number in Note 4 to 2401.607.
6. On Sheet WW23 of WW39– WALL ‘B’ GENERAL PLAN & ELEVATION (SHEET 1 OF 2), Change item number in Note 4 to 2401.607.

SPECIAL PROVISIONS

Division SB

1. On page 1-SB, in the 1st sentence of the 5th paragraph of SB-1, replace the word State with County.
2. On page 2-SB, add the following to SB-2.2:

Add the following to 2401.3B1d:

Sheathing for the forming of all exposed concrete surfaces shall be in new or nearly-new condition. The face of forms that will be in contact with concrete should be clean and all debris removed from within the forms. The reuse of previously used plywood sheathing will be dependent on its condition with respect to damage due to prior use, amount of permanent set from prior use, amount of face ply separation, and the nature of the concrete surface being formed (exposed or not exposed, etc.). Plywood that is no longer suitable for its intended purpose shall be rejected by the Engineer.

3. On page 3-SB, in SB-2.2 add the following to 2401.3B4:

If temporary footings are authorized by the Engineer, the Contractor shall, in conjunction with the proposed falsework plans, submit three copies of a Settlement Monitoring Plan. The Settlement Monitoring Plan will provide methods to ensure that short- and long-term falsework settlements will not cause permanent damage to the structure and do not exceed the falsework deflection limits given in AASHTO’s "Guide Design Specifications for Bridge Temporary Works" and Mn/DOT’s “Bridge Construction Manual”. The Settlement Monitoring Plan shall be developed and certified by an engineer, licensed in the State of Minnesota, with experience in short- and long-term settlement analysis (geotechnical engineer). The Settlement Monitoring Plan shall, at a minimum, include the following:

1. Settlement limits for falsework foundations. (Acceptable foundation settlements shall be the difference of the falsework deflection limits described above and the computed elastic falsework deflections).
2. Methods for measuring settlement of the falsework and/or footings in the form of elevation surveys.
3. Locations where settlement/elevation data will be monitored.
4. Frequency of settlement monitoring (how often settlement/elevation data is recorded).

Settlement/elevation data shall be measured and recorded by the Contractor at a frequency not less than that given in the Settlement Monitoring Plan. In order to provide baseline elevations for long-term settlement analysis, the Contractor shall also record elevation data at the locations indicated in the Plan prior to and after any superstructure concrete pour. The data shall be reviewed by the engineer responsible for certifying the Settlement Monitoring Plan to ensure that settlement rates are within acceptable limits and that the final, long-term settlement will not exceed the limits described above.

The Contractor shall submit data to the Engineer within 24 hours of collection. Data shall be submitted to the Engineer in the form of spreadsheets showing all recorded elevation readings and current rates of long-term settlement. If the Engineer or the Contractor's engineer determines that the measured settlement or the recorded settlement rates will result in exceeding the limits described in the Settlement Monitoring Plan, the Contractor shall propose methods of correcting falsework to meet the deflection limits described above. Methods of falsework correction will be subject to approval by the Engineer.

The Contractor will not be permitted to place the concrete for the superstructure until a Settlement Monitoring Plan meeting the above requirements has been provided to the Engineer.

4. On page 4-SB in SB-2.2 add the following
Add the following to 2401.3C1:

Except when waived by the Engineer in writing, concrete in the soffit slab and girder webs of concrete box girders will be placed in a single operation. Concrete shall be placed in a manner that will not cause a construction or 'cold' joint between the web and the slab. Girder web concrete may be placed in lifts if, when vibrated, the vibrator penetrates into the previously placed lift.

5. On page 4-SB, replace the 2nd sentence of the 7th paragraph of SB-2.2 in the section on 2401.3E with the following:

Surfaces of fresh concrete at horizontal construction joints shall be rough floated sufficiently to thoroughly consolidate the concrete at the surface **while providing a minimum surface roughness amplitude of 1/4"**.

6. On page 6-SB, in SB-2.5, replace the paragraph under Description of Work with the following:

This work consists of applying a **Medium Sand Blast Finish** on the Pier 1A & 1B Bridge Heads in accordance with the provisions of Mn/DOT 2401, the Plan details and the following:

7. On page 6-SB, replace the 1st sentence of the 2nd paragraph under Architectural Concrete Texture with the following:

Form liners shall produce a textured effect of a **Medium Sand Blast Finish** concrete surface.

8. On page 16-SB, add the following to the end of the 6th paragraph of SB-2.9C:

Data submitted to the Engineer shall be in the form of a spreadsheet showing the hourly temperature at each sensor. The spreadsheet shall show the maximal differential between any two sensors and compare the maximal differential to the maximum allowable given in SB-2.9D (2). Data shall also be presented in the form of graphs showing the temperature at each sensor and the maximal differential between any two sensors.

9. On page 17-SB, replace the 1st paragraph of SB-2.9D(2) with the following:

The maximum temperature differential of mass concrete shall not exceed the following (**where time is measured from the completion of the pour**):

First 24 hours	30°F
24 to 48 hours	40°F
2 to 7 days	50°F
7 + days	60°F

10. On page 18-SB, add the following to SB-2.11:

This work shall also consist of furnishing and installing Cast-In-Place Safety Anchors at each Locking Cover/Grate Hatch Location in accordance with the applicable provisions of 2402, 2471, and the following. The Cast-In-Place Safety Anchors shall meet or exceed all applicable ANSI/OSHA standards for fall protection and be certified by an engineer licensed in the State of Minnesota. The anchors shall be similar in style and function to the Cast-In-Place Safety Anchors installed at the access hatch locations under the Phase I Contract. Each Cast-In-Place Safety Anchor shall be installed near each access hatch as specified by the Engineer.

11. On page 18-SB, add the following to SB-2.11B:

Shop/working drawings for the Cast-In-Place Safety Anchors shall be submitted to the Engineer for approval in accordance with the requirements of 2471.3B.

12. On page 19-SB, replace the 1st paragraph of SB-2.11C with the following:

Payment for the Locking Covers, **Grate Hatches, and Cast-In-Place Safety Anchors** shall be incidental to bid price for Item No. 2401.501 “STRUCTURAL CONCRETE (3U36 MODIFIED).

13. On page 19-SB, in SB-2 add the following:

SB 2.12 The “STRUCTURAL CONCRETE (1A43)”, “STRUCTURAL CONCRETE (1X46)”, and “STRUCTURAL CONCRETE (3Y43)” items for Retaining Walls A & B will be measured and paid for separately from Bridge Structural Concrete items. Structural Concrete items for Retaining Wall A & B will be paid for under Item Nos. 2401.607 at the Contract Price per Cubic Yard. Structural Concrete items for the Bridge will be paid for under Item Nos. 2401.501 at the Contract Price per Cubic Yard.

14. On page 33-SB, replace the 3rd paragraph of SB3.3B with the following:

The Contractor shall propose mitigation measures, subject to approval by the Engineer, if the grouting of tendons will exceed the ten calendar days specified above. All mitigation

measures will include procedures to seal the tendons to prevent the intrusion of any moisture or foreign material.

Acceptable mitigation measures WILL include Vapor Phase Corrosion Inhibiting Powders that will not affect the physical properties of concrete, grout, or high tensile strength steel; will not contain silicates, phosphates, nitrites, heavy metals, or other toxic chemicals; and will provide corrosion protection of ferrous metals. Acceptable mitigation measures WILL NOT include anti-corrosion greases or inhibiting powders that are toxic.

15. On page 34-SB, add the following to the end of SB-3.4C:

Splices in adjacent ducts for the longitudinal post-tensioning system shall be staggered a minimum of two feet.

16. On page 93-SB, the 3rd sentence of SB-9.3B shall be replaced with the following:

This work shall be performed by an engineer, **licensed in the State of Minnesota**, experienced in dynamic testing and CAPWAP analysis.

Revise and add the following to the Bidlet Schedule of Prices:

Schedule of Prices	Spec or			Estimated
<u>Line No.</u>	<u>Item No.</u>	<u>Item Description</u>	<u>Unit</u>	<u>Quantity</u>
<u>REVISE:</u>				
6	2401.501	Structural Concrete (1A43)	Cu Yd	1261.0000
7	2401.501	Structural Concrete (1X46)	Cu Yd	1017.0000
8	2401.501	Structural Concrete (3Y43)	Cu Yd	1661.0000
<u>ADD:</u>				
247	2401.607	Structural Concrete (1A43)	Cu Yd	485.0000
248	2401.607	Structural Concrete (1X46)	Cu Yd	90.0000
249	2401.607	Structural Concrete (3Y43)	Cu Yd	428.0000

Alanna S. Tyler
 Purchasing Manager

JGM:jj
 February 7, 2011
 Attachments in eGram under Released Plans

Receipt of this addendum must be acknowledged in accordance with the provisions of 1210 of the specifications.