

Official Publication No. 8357

Date: 10/11/16

Procurement Division
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AN AFFIRMATIVE ACTION EMPLOYER

ADDENDUM NO. 2
“BIDS FOR PRE-CAST REINFORCED CONCRETE BOX CULVERTS FOR
COMO AVE. SURGE CHAMBER”

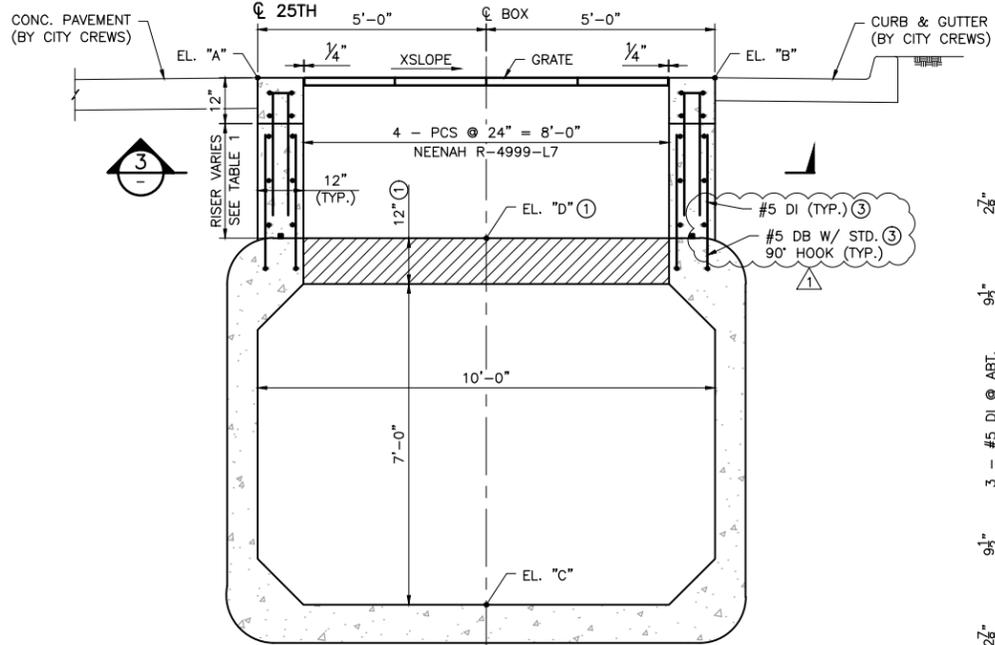
1. Question: What is the required completion date? **Response: Between the 5th and 12th of December.**
2. Question: On sheet 4, Section 2, Sec. 2.02, 2nd to last sentence of first paragraph, say "All concrete surfaces shall be adequately sealed against water penetration, (water tight)." Can you tell me what specifically you are looking for? Is there a specification for what type of sealant is required, etc.? This isn't something that is ordinarily required, so we aren't sure what you want.
Response: This language was inadvertently left in from a previous bid where boxes were placed in a wetland area and there was concern about rot. This is not needed for this bid. Section 2.02 revisions below.

Sec. 2.02 GENERAL: Pre-cast Reinforced Concrete Box Culverts shall meet the requirements as specified by MnDot Standard Plates 5-395.100 and 5-395.101. For reference copies of these MnDot standard plates are attached to the specifications. ~~In addition, culverts must be able to carry an HS25 load rating as defined by AASHTO and zero (0) through four (4) feet of soil cover. All concrete surfaces shall be adequately sealed against water penetration, (water tight). In all cases the more stringent specification where applicable will prevail.~~

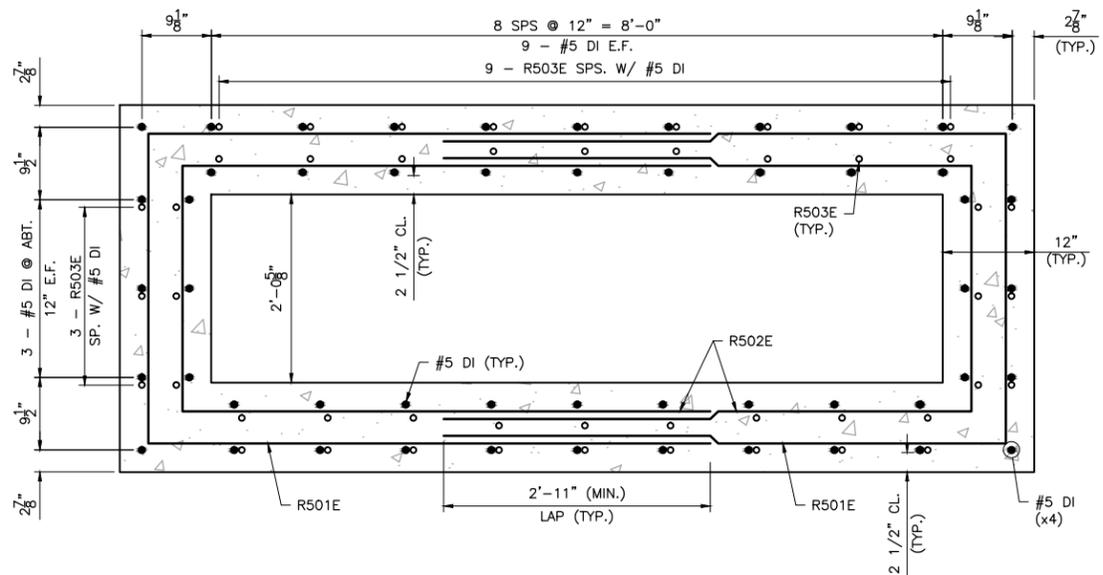
3. The rebar size has changed and drawing number C16 should be replaced with the new drawing issued in Addendum No. 2.

This addendum should be acknowledged on your bid form.

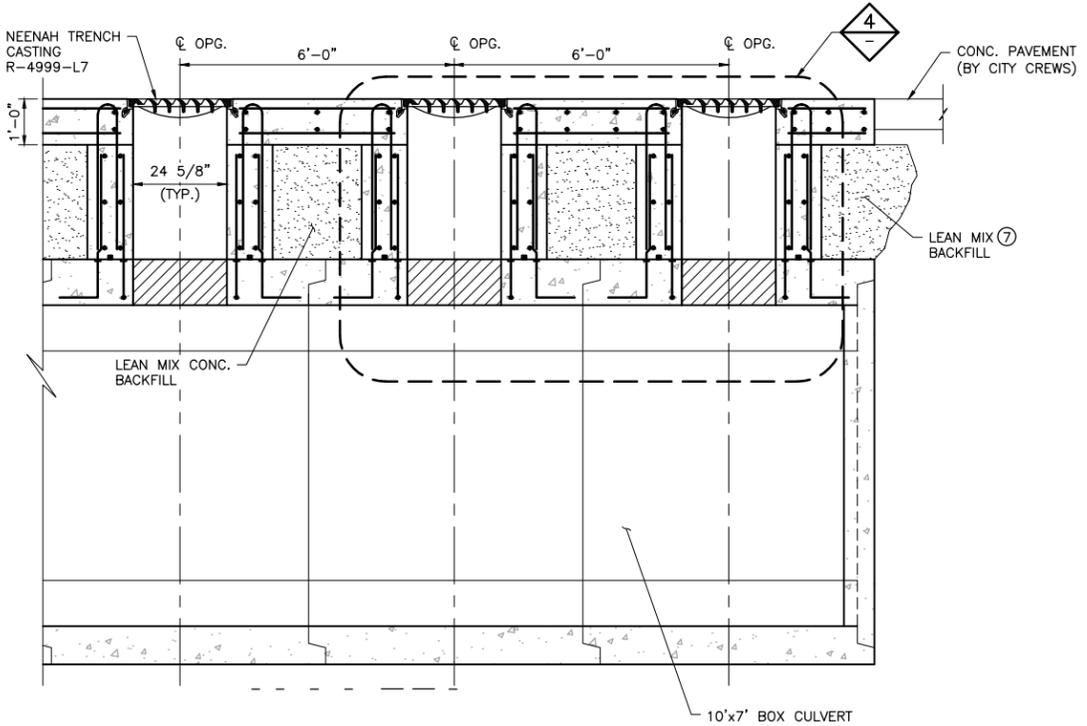
Bid due date and time remain the same



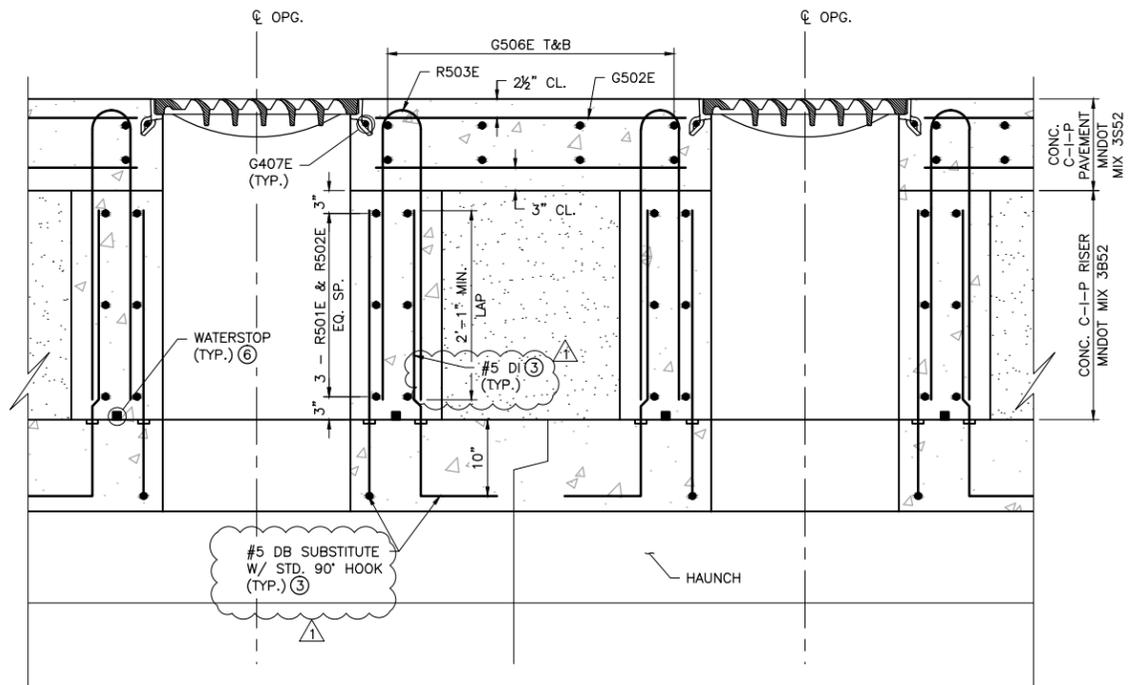
1 SECTION: C-I-P RISER & PAVEMENT GEOMETRY
SCALE IN FEET



3 SECTION: RISER REINFORCEMENT
SCALE



2 SECTION: RISER REINFORCEMENT
SCALE IN FEET



4 DETAIL: C-I-P RISER & PAVEMENT REINFORCEMENT
SCALE

RISER NO.	STATION	CONC. PAVEMENT		BOX CULVERT		DIST AD FT	DIST BD FT	RDWY XSLOPE FT/FT
		CENTERLINE EL. "A"	10' RT EL. "B"	INVERT EL. "C"	TOP BOX EL. "D" (1)			
1	0+37.5	860.62	860.41	848.87	856.87	3.75	3.54	0.021
2	0+43.5	860.65	860.45	848.90	856.90	3.75	3.55	0.020
3	0+49.5	860.68	860.48	848.93	856.93	3.75	3.55	0.020
4	0+55.5	860.71	860.52	848.96	856.96	3.75	3.56	0.019
5	0+61.5	860.74	860.56	848.99	856.99	3.75	3.57	0.018
6	0+67.5	860.77	860.60	849.02	857.02	3.75	3.58	0.017
7	0+73.5	860.80	860.64	849.05	857.05	3.75	3.59	0.016
8	0+79.5	860.82	860.67	849.08	857.08	3.74	3.59	0.015
9	0+85.5	860.85	860.71	849.11	857.11	3.74	3.60	0.014
10	0+91.5	860.88	860.75	849.14	857.14	3.74	3.61	0.013
11	0+97.5	860.91	860.79	849.17	857.17	3.74	3.62	0.012
12	1+03.5	860.94	860.83	849.20	857.20	3.74	3.63	0.011
13	1+09.5	860.97	860.87	849.23	857.23	3.74	3.64	0.010
14	1+15.5	861.00	860.90	849.26	857.26	3.74	3.64	0.010
15	1+21.5	861.03	860.94	849.29	857.29	3.74	3.65	0.009
16	1+27.5	861.06	860.98	849.32	857.32	3.74	3.66	0.008
17	1+33.5	861.09	861.02	849.35	857.35	3.74	3.67	0.007

- NOTES:
- EL. "D" ASSUMES TOP SLAB OF BOX CULVERT, $T_1 = 12"$. SEE DWG. NO. C14, ADJUST RISER HEIGHT BASED ON BOX CULVERT DESIGN.
 - FOR BAR BEND DETAILS & BILL OF REINFORCEMENT, SEE DWG. NO. C17
 - DOWEL BAR (DB) AND DOWEL-IN (DI) TO BE EPOXY. DB TO BE INSTALLED BY PRECAST BOX MANUFACTURER. DI TO BE FURNISHED BY PRECAST BOX MANUFACTURER & INSTALLED DURING RISER CONSTRUCTION.
 - EL. "A" & "B" LOCATED ALONG ϕ OF RISER AT FINAL PAVEMENT ELEVATIONS.
 - DB DOWELS TO MATCH DI LOCATIONS SHOWN.
 - WATERSTOP: CETCO RX-101 OR EQUAL.
 - FOR LEAN MIX BACKFILL REQUIREMENTS SEE MNDOT SPEC. 2520.

ISSUE FOR CONSTRUCTION

CADD USER: Terril J. Tomis FILE: M:\DESIGN\23271478\00\C16.DWG PLOT SCALE: 1:2 PLOT DATE: 10/11/2016 11:44 AM

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINTED NAME: Paul K. Nielsen SIGNATURE: <i>Paul K. Nielsen</i> DATE: 9/29/16 LICENSE # 19006		CLIENT: BARR ENGINEERING CO. PROJECT: CONSTRUCTION DATE: 9/29/16		BARR Project Office: BARR ENGINEERING CO. 4300 MARKETPOINTE DRIVE Suite 200 MINNEAPOLIS, MN 55435 Corporate Headquarters: Minneapolis, Minnesota Ph: 1-800-632-2277 Fax: (952) 832-2801 www.barr.com		Scale: AS SHOWN Date: 7/18/2016 Drawn: MJJ Checked: JPH Designed: PKN Approved: PKN		CITY OF MINNEAPOLIS MINNEAPOLIS, MINNESOTA		COMO AVENUE SURGE CHAMBER MINNEAPOLIS, MINNESOTA C-I-P RISER & TRENCH GRATE PLAN, SECTIONS & DETAILS		BARR PROJECT No. 23/27-1478.00 CLIENT PROJECT No. CSW1411STCOMSCD DWG. No. C16 REV. No. R1	
NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION	RELEASED TO/FOR	A	B	C	0	1	2	3
1	JAW	PKN	PKN	10/11/16	UPDATED DI & DB SUBSTITUTES TO #5 BARS								