

# **A d d e n d u m**

Iowa Department of Transportation  
Office of Contracts

Date of Letting: December 15, 2015  
Date of Addendum: December 8, 2015

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
019	77-0803-198	BRIDGE AND APPROACHES - STEEL GIRDER	POLK	NHS-080-3(198)128--11-77 IN-080-3(207)128--15-77	15DEC019.A03

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 1190 2403-0100020 STRUCTURAL CONCRETE (RCB  
CULVERT):

From: 1,150.200 CY

To: 1,338.200 CY

Change Proposal Line No. 1200 2404-7775000 REINFORCING STEEL:

From: 133,965.000 LB

To: 154,982.000 LB

If the above changes are not made, they will be made as shown here.

Replace plan sheets 2, 4, & 5 with attached sheets for project IN-080-3(207)128--15-77.

CONSTRUCTION: IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2015, PLUS APPLICABLE GENERAL SUPPLEMENTAL SPECIFICATIONS, DEVELOPMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT. SPECIAL PROVISIONS FOR GEOMEMBRANE OVER EXPANDED POLYSTYRENE FILL.

DESIGN STRESSES FOR THE FOLLOWING MATERIALS ARE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5th Ed. SERIES OF 2010. REINFORCING STEEL IN ACCORDANCE WITH LRFD AASHTO SECTION 5, GRADE 60. CONCRETE IN ACCORDANCE WITH LRFD AASHTO SECTION 5,  $f'_c = 4.0$  KSI.

LOCATION	QUANTITY	TOTAL
HEADWALLS 0° SKEW	1 AT 8/20	8/20
38'-0" BARREL EXTENSION	6 AT 20,8/16	124,896
24'-0" BARREL END SECTION	1 AT 13,147	13,147
BELL JOINT	5 AT 1748	8740
15' RCP OPENING (6p1 BARS)	1 AT 29	29
36" RCP OPENING (6p2 BARS)	1 AT 50	50
	TOTAL (LB)	154,982

LOCATION		FOOTING	WALLS	SLAB	TOTAL
HEADWALLS 0° SKEW	38'-0" BARREL EXTENSION	1 AT 45.2	1 AT 16.9	* 1 AT 2.6	64.7
	24'-0" BARREL END SECTION	6 AT 73.8	6 AT 42.2	6 AT 66.3	093.8
	24'-0" BARREL END SECTION	1 AT 46.6	1 AT 26.7	1 AT 41.9	115.2
BELL JOINT		5 AT 5.5	5 AT 2.8	5 AT 4.6	64.5
TOTAL (CY)		562.1	310.8	465.3	1338.2

\* INCLUDES PARAPET AND TOP OF WINGWALL.


TWIN 12' X 10' REINFORCED  
CONCRETE BOX CULVERT EXTENSION

STA. 1221+80.10 100TH ST. OVER N WALNUT CREEK  
POLK COUNTY  
AUGUST, 2015

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION  
DESIGN SHEET NO. 1 OF 4 FILE NO. 31240 DESIGN NO. 1315

2071128--15-77	SHEET NUMBER	2
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ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUANTITY
1	2201-0505060	BASE, STANDARD OR SLIP FORM PC CONCRETE, 6 IN. REINFORCING	S.Y.	429	
2	2401-6750001	REMOVALS AS PER PLAN	L.S.	1	
3	2402-2720000	EXCAVATION, CLASS 20	C.Y.	940	
4	2403-0100020	STRUCTURAL CONCRETE (R&B CULVERT)	C.Y.	1338.2	
5	2404-7775000	REINFORCING STEEL	LB.	154,982	
6	2507-3250005	ENGINEERING FABRIC	S.Y.	413	
7	2507-6800061	REVIEWMENT, CLASS E	TON	301	
8	2526-8285000	CONSTRUCTION SURVEY	L.S.	1	
9	2533-4980005	MOBILIZATION	L.S.	1	
10	2599-9999003	EXPANDED POLYSTYRENE FILL, (EPS-22)	C.Y.	382	
11	2599-9999003	EXPANDED POLYSTYRENE FILL, (EPS-39)	C.Y.	841	
12	2599-9999018	IMPERVIOUS GEOMEMBRANE	S.Y.	841	

ITEM INCLUDES CONSTRUCTION OF LOAD DISTRIBUTION SLAB, SOUTHBOUND SLAB AREA = 219 SY. NB SLAB AREA = 210 SY. FURNISH AND PLACE EPOXY COATED REINFORCING STEEL INCIDENTAL TO THIS ITEM.

INCLUDES REMOVAL OF PORTIONS OF THE EXISTING RCB AS NOTED AND SHOWN ON SHEET 3. INCLUDES SETTING OF DOWEL REINFORCEMENT BARS INTO EXISTING CONCRETE.

ITEM INCLUDES EXCAVATION FOR THE EXPANDED POLYSTYRENE FILL IN THE EXISTING EMBANKMENT (590 CY) AND THE ROB EXTENSIONS (350 CY).

CERTIFIED PLANT INSPECTION REQUIRED.  
ESTIMATED 1.6 TON/CY. SEE SHEET 4 FOR EXTENTS.

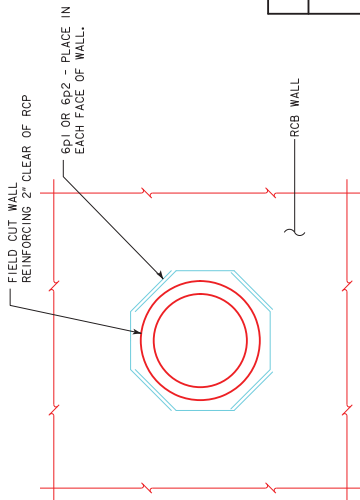
REFER TO SPECIAL PROVISIONS FOR ADDITIONAL EPS INFORMATION.

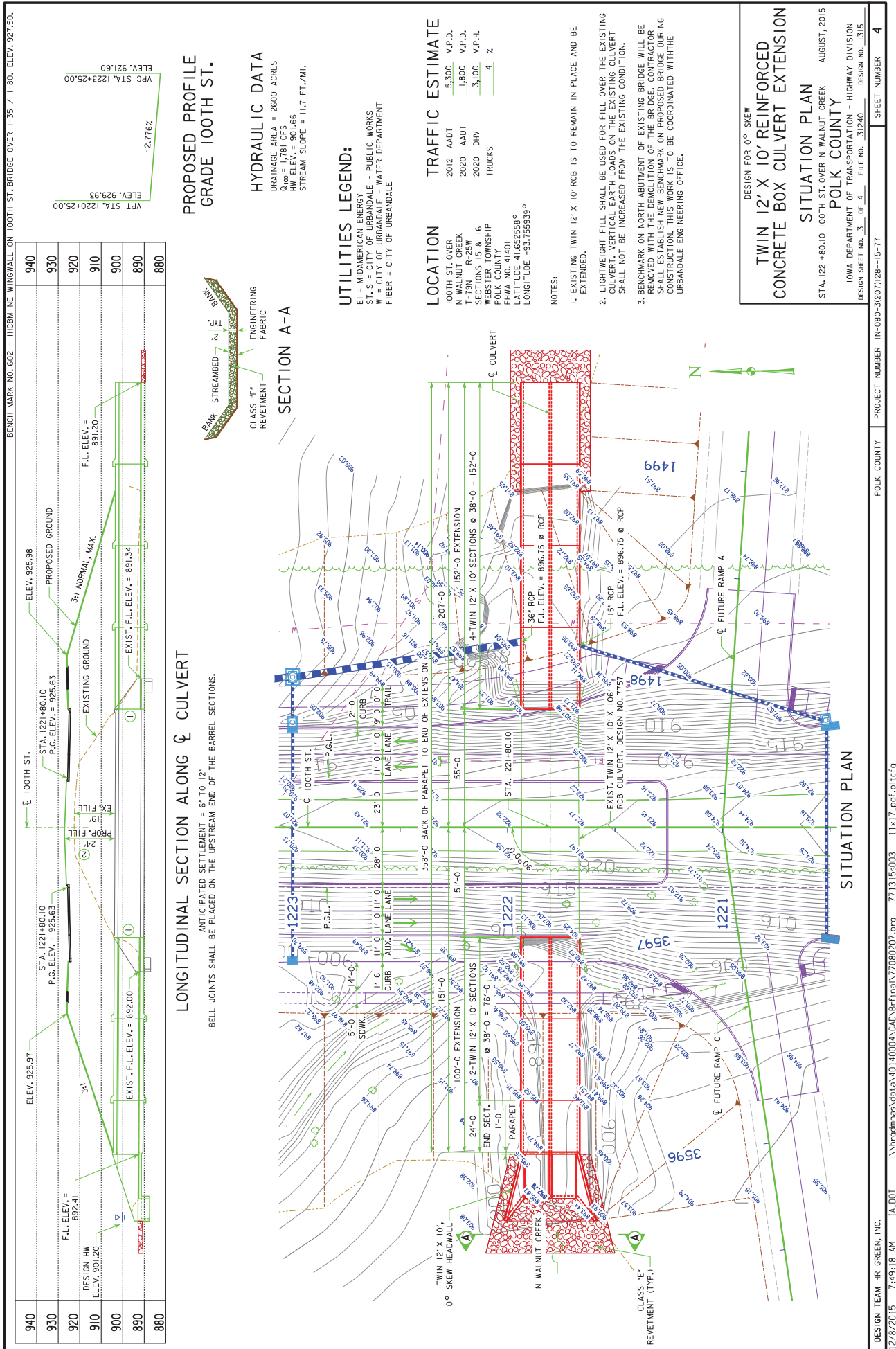
REFER TO SPECIAL PROVISIONS FOR ADDITIONAL GEOMEMBRANE INFORMATION.

BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
6p1	15" RCP OPENING		8	2'-5	29
6p2	36" RCP OPENING		8	4'-2	50
TOTAL (LBS.)					79

NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.

## (TYPICAL WALL REINFORCING NOT SHOWN)





ES:  
SECTION A-A  
THE EPS FILL SHOWN DESCRIBES AN ENVELOPE. THE EPS FILL IS TO BE CONTAINED WITHIN THESE LINES, SUBJECT TO THESE TOLERANCES.

LINE	UPPER BOUND	LOWER BOUND
TOP ELEVATION	NO HIGHER	UP TO 6 INCHES LOWER
BOTTOM ELEVATION	NO HIGHER	UP TO 6 INCHES LOWER
SIDES	INSIDE CORNER OF STEPS TO FOLLOW THE ENVELOPE SHOWN, OUTSIDE CORNER OF STEP UP TO ONE BLOCK HEIGHT BEYOND ENVELOPE SHOWN	

2. EPS 39, AS DEFINED IN THE SPECIAL PROVISIONS, SHALL BE USED FOR THE SURFACE COURSE OF EPS 22 AS DEFINED IN THE SPECIAL PROVISIONS, SHALL BE USED AT ALL DEPTHS BELOW 3 FEET.
3. MINIMUM 3 FEET OF FILL ABOVE OUTSIDE CORNER OF EPS BLOCKS ON FORESLOPES.
4. MINIMUM 12 INCHES SAND FILL ABOVE OUTSIDE CORNER OF EPS BLOCKS.
5. THE GEOMEMBRANE SHALL EXTEND OVER THE ENTIRE TOP SURFACE OF THE EPS FILL.

DESIGN FOR 0° SKEW

TWIN 12' X 10' REINFORCED  
CONCRETE BOX CULVERT EXTENSION

EPS FILL DETAILS  
STA. 1221+80.10 100TH ST. OVER N WALNUT CREEK  
POLK COUNTY  
AUGUST, 2015

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION  
 DESIGN SHEET NO. 4 OF 4 FILE NO. 31240 DESIGN NO. 1315