

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: February 21, 2017
Date of Addendum: February 13, 2017

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
301	15-1483-034	Pipe Culvert/Flume	Cass	STPN-148-3(34)--2J-15	21FEB301A01

Replace Sheet C.1 with attached Sheet C.1. ADD Standard Plan Note 281-1.

100-0A
10-28-97

ESTIMATED ROADWAY QUANTITIES (1 DIVISION PROJECT)

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.23	
2	2401-6750001	REMOVALS, AS PER PLAN	LS	1	
3	2417-1040024	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 24 IN. DIA.	LF	28	
4	2528-8445110	TRAFFIC CONTROL	LS	1	
5	2528-8445113	FLAGGERS	EACH	SEE PROPOSAL	
6	2602-0000050	SILT BASINS	EACH	2	
7	2602-0000080	REMOVAL OF SILT BASINS	EACH	2	
8	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1	
9	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850001	CLEARING AND GRUBBING Quantity includes the area within the project grading limits
2	2401-6750001	REMOVALS, AS PER PLAN Refer to Tab 110-2 on sheet C.1 and Culvert Sheets for additional information.
3	2417-1040024	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 24 IN. DIA. Refer to Culvert Sheets for locations and additional information. 30 degree elbow is considered incidental to this bid item.
4	2528-8445110	TRAFFIC CONTROL
5	2528-8445113	FLAGGERS Refer to Tab 108-23A on sheet J.1 for Traffic Control Plan.
6	2602-0000050	SILT BASINS
7	2602-0000080	REMOVAL OF SILT BASINS Refer to Tab 100-14 on sheet C.1 for additional information. The tabulation includes location of silt basin to address possible erosion during construction. Bid item includes 100% additional quantity for field adjustments and maintenance. Silt basin to be placed at outlet of existing CMP culvert.
8	2602-0010010	MOBILIZATIONS, EROSION CONTROL
9	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL

105-4
10-18-11

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
DR-101	04-19-16	Pipe Culvert (Bedding and Backfill)
DR-103	04-21-15	Pipe Culvert (Installation Details)
DR-104	04-19-16	Depth of Cover Tables for Concrete and Corrugated Pipe
DR-122	10-18-16	Construction of Type "C" Concrete Adaptors for Pipe Culvert Connections
EC-201	10-18-16	Silt Fence
EC-502	04-21-15	Seeding in Rural Areas
EW-403	10-18-16	Temporary Erosion Control Measures
SW-102	10-20-15	Rigid Gravity Pipe Trench Bedding
TC-1	04-16-13	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-21-15	Work Within 15 ft of Traveled Way
TC-213	04-17-12	Lane Closure with Flaggers

281-1
10-18-16

SECTION 404 PERMIT AND CONDITIONS

Construct this project according to the requirements of U.S. Army Corps of Engineers Regional Permit 7, Permit No. 2016-1438. A copy of this permit is available from the Iowa DOT website (<http://www.envpermits.iowadot.gov/>). The U.S. Army Corps of Engineers reserves the right to visit the site without prior notice.

232-3A
10-20-15

EROSION CONTROL (RURAL SEEDING)

Following the completion of work in a disturbed area, place seed, fertilizer, and mulch on the disturbed area lying 8 feet adjacent to shoulder and median as follows:

Use seed mix and fertilizer meeting the requirements of Article 2601.03,C,3 and Section 4169 of the Standard Specifications.

Use mulch meeting the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed and furnishing and applying seed, fertilizer, and mulch is incidental to mobilization and will not be paid for separately.

110-2
04-16-13

REMOVAL OF EXISTING STRUCTURES

Location	Description	Remarks
STA 108+72.08, 117.32' LT	EXISTING 72" FLARED END SECTION	REMOVE FES FROM INLET OF EXISTING 72" CMP CULVERT
STA 108+54.84, 173.17' RT	EXISTING 24" FLARED END SECTION	REMOVE FES FROM OUTLET OF EXISTING 24" CMP CULVERT
STA 108+67, 130' RT	EXISTING 72" CMP SECTIONS	REMOVE CMP SECTIONS LAYING IN CHANNEL NEAR THE OUTLET END

111-25
10-18-11

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100-34
04-19-16

STORMWATER DRAINAGE BASIN

Basin No.	Station to Station		Side	Disturbed Area Acres	Discharge Point		Required Storage Volume CF	Remarks
	Station	Station			Station	Side		
1	108+24.00	109+34.00	RT	0.2	108+67.00	RT	828.0	

100-14
10-18-16

SILT BASINS

Possible Standard: EW-403

* The functional height used in the volume equation is 95% of effective height. Effective height is 3 feet as shown in EW-403.
 * Volume equation: $(0.5 * \text{Length} * (\text{Width} * \text{Height} + \text{Width} * (\text{Height} - \text{Length} * \text{AvgSlope})))$

Basin No.	Location		Bid Items		Stormwater Storage Volume Summary				Remarks
	Station	Side	Installation EACH	Removal EACH	Basin Width FT	Basin Length FT	Height FT	Avg. % Slope	
1	108+69.00	RT	1	1	30.0	35.0	2.00	2.5%	1640.6

100-35
04-19-16

SUMMARY OF STORMWATER STORAGE

Basin No.	Item	Total Storage Volume Provided	Total Storage Volume Required	Remarks
		CF	CF	
1	Silt Basin	1641.0	828.0	
Total:		1641.0	828.0	