# Addendum

Iowa Department of Transportation

Date of Letting: February 21, 2017

Office of Contracts

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)

		(I DIVIDION I ROSECT)			
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	

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on. 30 degree elbow is considered incidental to
The tabulation includes location of silt basin udes 100% additional quantity for field to of existing CMP culvert.

		105-4
		10-18-13
		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		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

### 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

# **EROSION CONTROL** (RURAL SEEDING)

232-3A 10-20-15

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.

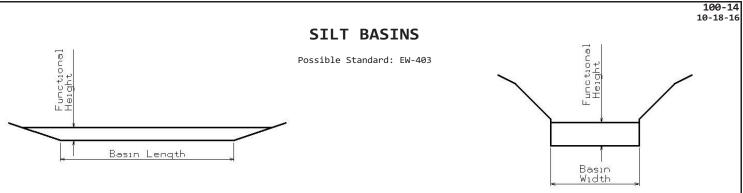
# REMOVAL OF EXISTING STRUCTURES

REPOVAL 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 **INDEX OF TABULATIONS** Tabulation Title Sheet No. 100-0A ESTIMATED ROADWAY QUANTITIES C.1 ESTIMATE REFERENCE INFORMATION 100-4A SILT BASINS 100-14 STORMWATER DRAINAGE BASIN C.1 100-34 SUMMARY OF STORMWATER STORAGE 100-35 STANDARD ROAD PLANS 105-4 C.1 110-2 REMOVAL OF EXISTING STRUCTURES C.1 111-25 INDEX OF TABULATIONS EROSION CONTROL (RURAL SEEDING) 232-3A SECTION 404 PERMIT AND CONDITIONS 281-1

# STORMWATER DRAINAGE BASIN

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



\* 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\*Length\*(Width\*Height+Width\*(Height-Length\*Avg%Slope))

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Basin	Locatio	on	Bid :	Items		Stormwater	Storage Volu	me Summary		
No.	Station	Side	Installation	Removal	Basin Width	Basin Length	Height	Avg. % Slope	Volume*	Remarks
NO.	Station	Side	EACH	EACH	FT	FT	FT	Avg. % 310pe	CF	
1	108+69.00	RT	1	1	30.0	35.0	2.00	2.5%	1640.6	

04-19-16

110-2

100-34 04-19-16

04-16-13

## 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	

CASS COUNTY PROJECT NUMBER STPN-148-3(34)--2J-15

SHEET NUMBER C.1

ENGLISH | DESIGN TEAM FOTH

FILE NO. **31388**