

# A d d e n d u m

Iowa Department of Transportation  
Office of Contracts

Date of Letting: May 16, 2017  
Date of Addendum: May 9, 2017

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
005	49-4080-601	RCB CULVERT REPLACEMENT - TRIPLE BOX	JACKSON	STP-U-4080(601)--7049	16MAY005A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0100:

From: 2303-1033380 Hot Mix Asphalt Standard Traffic, Surface Course, 3/8 In. Mix, No Special Friction  
To: 2303-1033500 Hot Mix Asphalt Standard Traffic, Surface Course, 1/2 In. Mix, No Special Friction

Change Proposal Line No. 0190 2403-0100020 Structural Concrete (RCB Culvert)

From: 250.00 CY  
To: 238.34 CY

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

Replace C.4 with the attached C.4

Change on tab 108-18B  
From BA-103  
To BA-104

Replace C.5 with the attached C.5

Change on tab 110-2  
Add note regarding removal of MH 3-1-1

Replace C.7 with the attached C.7

Change in Project Structure Table (upper left)

**FENCING**

\* Bid Item

Refer to MI-101, MI-102, MI-103, MI-104, 510-3, and 510-5

Location				Side	Chain Link				Deer				Field				Channel Crossing		Remarks
From		To			Fence		Gate		Fence Length*	Brace Panels*	Gate		Fence Length*	Brace Panels*	Gate		Length*	Type	
Station	Offset	Station	Offset		Length*	Type	No.*	Type			No.*	Type			No.*	Type			
1+10.00	18.4	1+50.00	18.9	RT	69.0	72 IN.													
5+26.00	39.5	5+46.00	39.5	RT	20.0	72 IN.												To be installed on top of box cu	

**ACCESS POINTS AND SAFETY RAMPS**

102-3  
10-15-13

Refer to Cross-Sections

Length of unclassified pipe calculated is based on using Reinforced Concrete Pipe.

- ① Refer to MI-210
- ② Refer to EW-501.
- ③ Refer to EW-501 or EW-502.

\*Predetermined for access point not constructed with this project.

Location		Type	Length of Opening ①			Pipe Culvert ③					Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks		
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1 1/2" Dropped Curb	3" Dropped Curb	W	PR	SR	H	Size		Pipe Length	Lt.			Rt.	HMA
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF	No.	SY	SY	TON
2+14.75	L		1			20.0	10.0										27.4
2+23.00	R		2			37.0											59.2
7+83.00	R		2			15.0											35.9
9+64.00	R		2			14.2											18.3
11+77.90	R		2			29.2											72.2
12+03.00	R		2			17.0											38.8
13+45.00	R		2			14.0											42.7
13+62.00	R		2			10.4											23.1
15+18.50	R		2			23.0											46.5

**SAFETY CLOSURES**

108-13A  
08-01-08

Refer to Section 2518 of the Standard Specifications

Station	Closure Type		Remarks
	Road Qty.	Hazard Qty.	
+72.00	1		north of drive
1+90.00	1		south of drive

**CONCRETE BARRIER AT SIDE LOCATIONS**

108-18B  
10-16-12

Refer to BA-102, BA-103, BA-104, BA-105, BA-106, BA-107, and BA-150.

- ① Lane(s) to which the installation is adjacent.
  - ② Refer to the Shoulders tabulation (112-9) for quantities.
- \* Bid Item

No.	Direction of Traffic	Location		Side	Side Barrier			Reinforced Paved Shoulder (Required?)	Remarks	Expansion Joints		
		Station to Station	Offset		Barrier Type (BA-102, BA-103, or BA-104)	Length of Barrier*	BA-105 Transition Section*			BA-107 End Section*	Station	Side
			FT		LF	No.	No.	Yes/No				
1	N	1+11.00	1+50.00	L	13.3	BA-104	39.0	Yes	See typical section			
2	S	1+11.00	1+50.00	R	12.3	BA-104	39.0	Yes	Install steel pipe pedestrian rail			

**PAVEMENT MARKING LINE TYPES**

See PM-110

\*BCY4 - Place on the same side of the roadway to match existing markings near the project.

\*\*\*MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

\*\*NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.

BCY4: Broken Centerline (Yellow) @ 0.25

DCY4: Double Centerline (Yellow) @ 2.00

NPY4: No Passing Zone Line (Yellow) @ 1.25

BLW4: Broken Lane Line (White) @ 0.25

ELW4: Edge Line Right (White) @ 1.00

ELY4: Edge Line Left (Yellow) @ 1.00

Road ID	Location		Dir. of Travel	Marking Type	Side			Length by Line Type (Unfactored)										Remarks			
	Station to Station	Offset			L	C	R	BCY4*	DCY4	NPY4**	BLW4	ELW4	ELY4								
									STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
250th	+70.00	2+45.00	BOTH	Waterborne/Solvent Paint		X															
250th	+70.00	2+45.00	SB	Waterborne/Solvent Paint			X														
250th	+70.00	2+45.00	EB	Waterborne/Solvent Paint	X																

<b>REMOVAL OF PAVEMENT</b> Refer to Tabulation 102-5							110-1 04-16-13
* Not a Bid Item							
Begin Station	End Station	Side	Pavement Type	Area		Remarks	
				SY	LF		
1+08.00	1+53.00	Both	HMA	110.0	47.0	Sawcut ends for RCB Culvert	

<b>SIDEWALK REMOVAL</b>					110-5 10-20-15
* Not a bid item					
Begin Station	End Station	Area	Saw Cut*		Remarks
			SY	LF	
+70.00	1+17.00	20.9	4.0		
1+43.00	1+98.00	24.4	4.0		
4+61.00	5+05.00	19.6	4.0		
5+55.00	6+65.00	48.9	4.0		

<b>REMOVAL OF STEEL BEAM GUARDRAIL</b>					110-7A 04-17-12
① Lane(s) to which the installation is adjacent. ② Includes length of End Terminals and End Anchors.					
No.	Direction of Traffic	Location			Removal of Guardrail ② LF
		Station to Station	Side		
1	N	+73.00	1+45.00	L	72.0
2	S	1+21.00	1+45.00	R	24.0

<b>REMOVAL OF EXISTING STRUCTURES</b>			110-2 04-16-13
Location	Description	Remarks	
5+25	Existing Pedestrian Bridge	Removal of & disposal of main structure to be performed by Jackson County Conservation. Contractor responsible for removal & disposal of abutments.	
1+26	Sanitary MH 3-1-1	Removal of existing manhole and abandoned piping in excavation limits. Install water-tight plug in line north of removed manhole.	

<b>REMOVAL OF CONCRETE DRIVES</b>				110-8 08-01-08
Location Station	Side	Area		Remarks
		SY	LF	
2+21.00	R	61.6		
9+64.00	R	18.4		
13+45.00	R	34.4		
13+62.00	R	23.0		

Tabulation of Earthwork Quantities					
Bid Item	Location	Cut (CY)	Fill (CY)	Net (CY)	Notes
Excavation, CL-10 Roadway & Borrow	STA xx to xx)	0	93	93	Sidewalk at old pedestrian bridge
	STA 7+60 to 15+03	18.1	272.5	254.1	New Curb & Gutter Area, fill in ditch
CL-10 Roadway & Borrow - Total		18.1	365.5	347.1	Net import needed from other areas of project
Excavation, CL-10 Channel	Upstream of RCB Culvert	309.2	77.8	-231.4	
	Downstream of RCB Culvert	59.2	0	-59.2	
	Revetment Excavation	148	0	-148	
Excavation, CL-10 Channel		516.4	77.8	-438.6	Net excess
Excavation, CL 20	Proposed RCP Box	331.4	0	-331.4	Net excess
Total All Excavation				-422.9	Net overall excess for disposal

<b>CULVERT ABANDONMENT</b> Refer to Details 4315 and 4316					110-9 10-18-11
* Not a bid item					
Location Station	Description	Fill Material		4" Perforated Subdrain*	Remarks
		Flowable Mortar	Granular Backfill*		
		CY	TON	LF	
9+81	24" CMP	3.8			Plug west end and fill w/ flowable mortar
12+13	12" CMP	1.2			Plug west end & fill w/ flowable mortar

<b>SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL</b>						110-14 04-16-13
* Not a bid item						
Location/Description	Sanitary or Storm Sewer	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe		Fill Material*	Remarks
			≤ 36 inch diameter	> 36 inch diameter	Flowable Mortar or CLSM	
			LF	LF	CY	
7+64 Right, 24" CMP	Storm Sewer	Removal	35			Falls in new storm sewer trench
11+56, Right, 18" CMP	Storm Sewer	Removal	66			Falls in new storm sewer trench
13+27 Right, 21" CMP	Storm Sewer	Removal	44			Falls in new storm sewer trench
15+00, Right, 21" CMP	Storm Sewer	Removal	37			Falls in new storm sewer trench

PROJECT STRUCTURE TABLE				
Structure Name	STATION, OFFSET	STRUCTURE TYPE	RIM ELEVATION	OUTLET INVERT
STM. NO. 1	5+49.69, 29.72' RT	SW-211, TYPE PC-1 Concrete Collar Connection	811.00	806.00 SE
STM. NO. 2	6+68.95, 23.59' RT	SW-401 Storm Manhole, 60" w/ Frame & Open Grate	816.87	812.75 SE 812.75 NW
STM. NO. 3	8+04.23, 13.50' RT	SW-504 INTAKE w/SW-602 Type G Casting & SW-603 Type R Casting	829.97	825.97 SE 825.77 NW
STM. NO. 4	11+48.91, 13.40' RT	SW-504 INTAKE w/SW-602 Type G Casting & SW-603 Type R Casting	858.92	854.25 SE
STM. NO. 5	13+91.55, 13.50' RT	SW-504 INTAKE w/ SW-602 Type G Casting & SW-603 Type R Casting	874.40	870.40 SE 870.40 NW
STM. NO. 6	15+48.42, 23.13' RT	RF-3 Concrete Apron, 18"	880.33	878.00 NW

Pipe Table							
PIPE NO.	FROM	TO	SIZE, IN	LENGTH, L.F.	SLOPE	DOWNSTREAM INVERT	UPSTREAM INVERT
Pipe No. 1	STM. NO. 2	STM. NO. 1	21	119.4'	5.65%	806.00	812.75
Pipe No. 2	STM. NO. 3	STM. NO. 2	21	134.0'	9.72%	812.75	825.77
Pipe No. 3	STM. NO. 3		18	342.6'	-8.25%	854.25	825.97
Pipe No. 4	STM. NO. 4	STM. NO. 5	18	242.7'	-6.65%	870.40	854.25
Pipe No. 5	STM. NO. 6	STM. NO. 5	18	158.4'	4.80%	870.40	878.00

PROJECT STRUCTURE TABLE				
Structure Name	STATION, OFFSET	STRUCTURE TYPE	RIM ELEVATION	OUTLET INVERT
Exist MH #3-1-2	4+62.63, 0.00' T	Concentric Cylindrical Structure	807.67	799.66 W
Exist. MH# 1A-2	3+64.50, 0.00' T	SW-301	803.77	797.48 SW 797.48 SE
Exist. MH# 1A-3	3+95.20, 0.00' T	SW-301	803.52	797.60 NW 797.60 E
PROP. MH #1A	0+00.00, 0.00' T	SW-303	814.12	796.02 E
PROP. MH# 1A-1	2+05.85, 0.00' T	SW-301	803.83	796.84 W 796.84 NE

Pipe Table							
PIPE NO.	FROM	TO	SIZE, IN	LENGTH, L.F.	SLOPE	DOWNSTREAM INVERT	UPSTREAM INVERT
Pipe - (26)	PROP. MH #1A	PROP. MH# 1A-1	8	205.9'	-0.40%	796.84	796.02
Pipe - (27)	PROP. MH# 1A-1	Exist. MH# 1A-2	8	158.7'	-0.40%	797.48	796.84
Pipe - (28)	Exist. MH# 1A-2	Exist. MH# 1A-3	8	30.7'	-0.39%	797.60	797.48
Pipe - (29)	Exist. MH# 1A-3	Exist MH #3-1-2	8	67.4'	-3.05%	799.66	797.60