

# A d d e n d u m

Iowa Department of Transportation  
Office of Contracts

Date of Letting: June 20, 2017  
Date of Addendum: June 16, 2017

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
012	78-1642-664-A	RCB CULVERT REPLACEMENT - SINGLE BOX	POTTAWATTAMIE	BROS-1642(664)--8J-78	20JUN012A02

Replace plan sheet C.02:

Plan Sheet C.02: Estimate reference note for item #29 changes the asbestos investigation and abatement responsibility to the city.

ESTIMATED PROJECT QUANTITIES

Item No.	Item Code	Item	Unit	Total
1.	2101-0850002	CLEARING AND GRUBBING	UNIT	1.0
2.	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	1,347.8
3.	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	154.0
4.	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	390.0
5.	2111-8174100	GRANULAR SUBBASE	SY	851.4
6.	2113-0001000	SUBGRADE STABILIZATION MATERIAL, FLY ASH	SY	851.4
7.	2123-7450020	SHOULDER FINISHING, EARTH	STA	12.0
8.	2301-1003080	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY, 8 IN.	SY	751.0
9.	2401-6745357	REMOVAL OF CONCRETE FOUNDATIONS, AS PER PLAN	EA	1.0
10.	2401-6745625	REMOVAL OF EXISTING BRIDGE	LS	1.0
11.	2401-6745650	REMOVAL OF EXISTING CONCRETE CULVERT	LS	1.0
12.	2402-2720000	EXCAVATION, CLASS 20	CY	4,255.8
13.	2403-0100020	STRUCTURAL CONCRETE (RCB CULVERT)	CY	1,743.3
14.	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	292,835.0
15.	2501-8400172	TEMPORARY SHORING	LS	1.0
16.	2502-8212034	SUBDRAIN, LONGITUDINAL, 4" DIA.	LF	397.6
17.	2510-6745850	REMOVE EXISTING PAVEMENT	SY	722.5
18.	2511-6745900	REMOVAL OF SIDEWALK	SY	236.8
19.	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	190.3
20.	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	43.2
21.	2511-7528101	DETECTABLE WARNINGS	SF	60.4
22.	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	56.3
23.	2518-6910000	SAFETY CLOSURES	EA	5.0
24.	2519-3300600	SAFETY FENCE	LF	1,500.0
25.	2519-4200120	REMOVAL OF FENCE, CHAIN LINK	LF	237.4
26.	2519-4200190	REMOVAL OF FENCE, WOOD	LF	162.4
27.	2528-8445110	TRAFFIC CONTROL	LS	1.0
28.	2533-4980005	MOBILIZATION	LS	1.0
29.	2538-6970010	SALVAGE, REMOVAL, AND DISPOSAL OF OBSTRUCTIONS	LS	1.0
30.	2599-9999005	ROADWAY SURFACE DRAIN	EA	2.0
31.	2599-9999005	STABILIZED CONSTRUCTION ENTRANCE	EA	2.0
32.	2599-9999005	INTAKE FILTERS	EA	4.0
33.	2599-9999009	PILES, STEEL PIPE, 10 IN. DIA.	LF	7,150.0
34.	2599-9999010	DEWATERING	LS	1.0
35.	2599-9999018	GRANULAR SUBBASE FOR CULVERT	SY	1,855.0
36.	2601-2636044	SEEDING, FERTILIZING AND MULCHING (URBAN)	AC	1.1
37.	2602-0000020	SILT FENCE	LF	350.0
38.	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	350.0
39.	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EA	3.00
NON-PARTICIPATING				
40.	2599-9999010	STEEL CASING, 30" DIA.	LS	1.00

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1.	2101-0850002	CLEARING AND GRUBBING
2.	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED BID ITEM INCLUDES SUITABLE BACKFILL MATERIAL FOR CULVERT. SUITABLE CLASS 20 EXCAVATION MATERIAL SHALL BE USED PRIOR TO ANY REQUIRED MATERIAL FROM THIS BID ITEM.
3.	2105-8425005	TOPSOIL, FURNISH AND SPREAD ITEM TO BE USED IN AREAS NORTH OF CREEK TOP ROAD
4.	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD ITEM TO BE USED IN AREAS SOUTH OF CREEK TOP ROAD
5.	2111-8174100	GRANULAR SUBBASE
6.	2113-0001000	SUBGRADE STABILIZATION MATERIAL, FLY ASH
7.	2123-7450020	SHOULDER FINISHING, EARTH
8.	2301-1003080	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY, 8 IN. REFER TO TAB HGM-3.
9.	2401-6745357	REMOVAL OF CONCRETE FOUNDATIONS, AS PER PLAN REFER TO LINE ITEM "8" CONCRETE FOUNDATION" ON TAB 110-2.
10.	2401-6745625	REMOVAL OF EXISTING BRIDGE CONTRACTOR TO REMOVE BRIDGE AT 9TH STREET AND 10TH STREET. MATERIALS WILL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
11.	2401-6745650	REMOVAL OF EXISTING CONCRETE CULVERT REFER TO TAB 110-2.
12.	2402-2720000	EXCAVATION, CLASS 20 INCLUDES ALL LABOR, EQUIPMENT AND INCIDENTALS REQUIRED FOR EXCAVATION RELATING TO CULVERT CONSTRUCTION. TEMPORARY STREAM DIVERSION SHALL BE INCIDENTAL TO THIS ITEM. EXCAVATION SHALL BE TEMPORARILY STOCKPILED SOUTH OF CREEK TOP ROAD. REFER TO SHEET D.01 INCLUDES COSTS OF USING SUITABLE CLASS 20 EXCAVATION TO BACKFILL THE CULVERT. FILL QUANTITY IS ESTIMATED AT 5,603.3 CY WHICH INCLUDES AN ADDITIONAL 35% FOR SHRINKAGE. ANY ADDITIONAL FILL NEEDED IN EXCESS OF THE SUITABLE BACKFILL FROM THE CLASS 20 EXCAVATION SHALL BE EMBANK-IN-PLACE, CONTRACTOR FURNISHED.
13.	2403-0100020	STRUCTURAL CONCRETE (RCB CULVERT) CERTIFIED PLANT INSPECTION IS REQUIRED FOR THIS BID ITEM.
14.	2404-7775005	REINFORCING STEEL, EPOXY COATED
15.	2501-8400172	TEMPORARY SHORING
16.	2502-8212034	SUBDRAIN, LONGITUDINAL, 4" DIA. REFER TO TAB 104-5C
17.	2510-6745850	REMOVE EXISTING PAVEMENT REFER TO TAB 110-1 FOR REMOVAL LOCATIONS AND QUANTITIES. REQUIRED SAW CUTTING SHALL BE INCIDENTAL TO THIS ITEM.
18.	2511-6745900	REMOVAL OF SIDEWALK REFER TO TAB 110-5 FOR REMOVAL LIMITS.
19.	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN. CERTIFIED PLANT INSPECTION IS REQUIRED FOR THIS BID ITEM. REFER TO TO TAB 113-1.
20.	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN. CERTIFIED PLANT INSPECTION IS REQUIRED FOR THIS BID ITEM. REFER TO TO TAB 113-1.
21.	2511-7528101	DETECTABLE WARNINGS BID ITEM SHALL INCLUDE ALL WORK NECESSARY TO INSTALL DETECTABLE WARNING PANELS AT THE LOCATIONS SHOWN ON THE S SHEETS. MEASUREMENT AND PAYMENT SHALL BE BY UNIT BID PRICE SQUARE FOOT OF DETECTABLE WARNING PANELS SUPPLIED AND INSTALLED. DETECTABLE WARNING PANELS SHALL MEET THE CURRENT DOT REQUIREMENTS. PANELS SHALL BE 2'x2', COMPOSITE, RED, MANUFACTURED BY EZ SET TILE, DETECTILE SLIMTEK II, ARMOR TILE OR APPROVED EQUAL. REFER TO TAB 113-1
22.	2515-6745600	REMOVAL OF PAVED DRIVEWAY REFER TO TAB HGM-2.
23.	2518-6910000	SAFETY CLOSURES REFER TO TAB 108-13a.
24.	2519-3300600	SAFETY FENCE BID ITEM TO BE USED AS NEEDED OR AS DIRECTED BY THE ENGINEER TO PROTECT THE WORK AT THE CONSTRUCTION LIMITS. MEASUREMENT AND PAYMENT SHALL BE AT THE CONTRACT UNIT PRICE PER LINEAL FOOT OF SAFETY FENCE INSTALLED. BASIS OF PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, TOOLS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
25.	2519-4200120	REMOVAL OF FENCE, CHAIN LINK REFER TO TAB HGM-1.
26.	2519-4200190	REMOVAL OF FENCE, WOOD REFER TO TAB HGM-1.
27.	2528-8445110	TRAFFIC CONTROL REFER TO TAB 108-23A.
28.	2533-4980005	MOBILIZATION SEE SHEET D.01 FOR CONTRACTOR LAY DOWN AREA LOCATION.
29.	2538-6970010	SALVAGE, REMOVAL, AND DISPOSAL OF OBSTRUCTIONS REFER TO TAB 110-8. ASBESTOS INVESTIGATION AND ABATEMENT SHALL BE COMPLETED BY THE CITY PRIOR TO CONSTRUCTION.
30.	2599-9999005	ROADWAY SURFACE DRAIN BID ITEM SHALL INCLUDE EMBEDDED ANGLE ASSEMBLY, ROADWAY GRATE AND ROADWAY GRATE SUPPORTS. REFER TO TAB HGM-5.
31.	2599-9999005	STABILIZED CONSTRUCTION ENTRANCE TO BE LOCATED AT ENTRANCES TO THE SITE USED BY THE CONTRACTOR FOR CONSTRUCTION ACTIVITY.
32.	2599-9999005	INTAKE FILTERS REFER TO TAB HGM-4.
33.	2599-9999009	PILES, STEEL PIPE, 10 IN. DIA. ESTIMATED QUANTITY ASSUMES 286 PILES AT 25'-0" LENGTH EACH.
34.	2599-9999010	DEWATERING REFER TO SPECIAL PROVISION. GROUND WATER LEVELS BETWEEN 972.8 AND 974.2 WHEN BORINGS WERE COMPLETED ON NOVEMBER 20, 2014.
35.	2599-9999018	GRANULAR SUBBASE FOR CULVERT REFER TO CULVERT DESIGN SHEETS FOR DEPTH.
36.	2601-2636044	SEEDING, FERTILIZING, AND MULCHING (URBAN) ITEM TO BE USED FOR SEEDING ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER ALL AREAS TO BE MULCHED PRIOR TO COMMENCING ANY WORK. APPLICATION TO AREAS OUTSIDE OF THE CONSTRUCTION LIMITS OR AREAS NOT APPROVED BY THE ENGINEER WILL NOT BE MEASURED FOR PAYMENT. THE FOLLOWING SEED MIXTURE AND APPLICATION RATE SHALL BE USED: FOUR VARIETIES OF TALL FESCUE - MINIMUM OF 87% OF MIXTURE TWO VARIETIES OF KENTUCKY BLUE GRASS - MINIMUM OF 7% OF MIXTURE ONE VARIETY OF PERENNIAL RYEGRASS - MINIMUM OF 5% OF MIXTURE URBAN SEED MIXTURE SHALL BE APPLIED AT A BULK SEED RATE OF 10 POUNDS PER 1,000 SQUARE FEET OR 436 POUNDS PER ACRE. MEASUREMENT AND PAYMENT SHALL BE AT THE CONTRACT UNIT PRICE PER ACRE OF SEEDING AND FERTILIZING COMPLETED. BASIS FOR PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
37.	2602-0000020	SILT FENCE REFER TO TAB 100-17
38.	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECK
39.	2602-0010010	MOBILIZATIONS, EROSION CONTROL
NON-PARTICIPATING		
40.	2599-9999010	STEEL CASING, 30" REFER TO SHEETS D.01 AND M.01. CONTRACTOR SHALL PERFORM ALL REQUIRED EXCAVATION, DEWATERING, BACKFILLING, COMPACTION AND SURFACE RESTORATION REQUIRED FOR THE COUNCIL BLUFFS WATER WORKS TO SELF-PERFORM THE ABANDONMENT OF THE EXISTING WATER MAIN THROUGH THE CONSTRUCTION LIMITS. CONSTRUCT THE NEW WATER MAIN AND CONNECTIONS OF THE NEW WATER MAIN TO THE EXISTING WATER MAIN. CONTRACTOR SHALL ALLOW 1 WORKING DAY FOR THE COUNCIL BLUFFS WATER WORKS TO SELF-PERFORM THE ABANDONMENT OF THE EXISTING WATER MAIN. CONTRACTOR SHALL IDENTIFY THE LIMITS OF THE REQUIRED WATER MAIN ABANDONMENT TO THE COUNCIL BLUFFS WATER WORKS PRIOR TO THE PRECONSTRUCTION MEETING. CONTRACTOR SHALL PROVIDE AND INSTALL 55.0' 30" STEEL CASING, ASTM A-139 GRADE B, 0.71258" MINIMUM WALL THICKNESS, VIA TRENCHED OR TRENCHLESS INSTALLATION METHODS. CONTRACTOR SHALL INSTALL DUCTILE IRON WATER MAIN AND CASING CHOCKS WITHIN THE CASING. THE DUCTILE IRON WATER MAIN AND CASING CHOCKS WILL BE PROVIDED TO THE CONTRACTOR BY THE COUNCIL BLUFFS WATER WORKS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE WATER MAIN WITHIN THE CASING WITH THE COUNCIL BLUFFS WATER WORKS, BRIAN CADY (712) 328-1006 EXT. 1039. CONTRACTOR SHALL PROVIDE ADEQUATE ACCESS, DEWATERING AND WORK SPACE AT BOTH ENDS OF THE CASING FOR THE COUNCIL BLUFFS WATER WORKS TO INSTALL ADDITIONAL WATER MAIN AND APPURTENANCES BEYOND THE CASING AND OUTSIDE OF THE CONSTRUCTION LIMITS. CONTRACTOR SHALL ALLOW FOR 11 CALENDAR DAYS AFTER INSTALLATION WITHIN THE CASING FOR THE COUNCIL BLUFFS WATER WORKS TO SELF-PERFORM THE REMAINING WATER MAIN INSTALLATION. THE COUNCIL BLUFFS WATER WORKS RESERVES THE RIGHT TO DELETE THIS WORK AND/OR SELF-PERFORM THIS WORK PRIOR TO CONTRACT AWARD. MEASUREMENT AND PAYMENT SHALL BE AT THE CONTRACT LUMP SUM PRICE FOR 30" STEEL CASING INSTALLED. BASIS OF PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, TOOLS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.