

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: December 20, 2016
Date of Addendum: December 15, 2016

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
108	77-3827-617	PCC SIDEWALK/TRAIL	POLK	STP-E-3827(617)--8V-77	20DEC108A02

Replace plan sheets C.2, C.3, & J.1 with the attached:

Estimate reference information for bid item numbers 12, 15, 23, 29, 39, 40, 41, 42 were cut off. Therefore, Sheets C.2 and C.3 have been re-issued to include the full estimate reference information for all bid items.

Revised J.1 sheet. Changeable message boards note is completely removed from the project and added a note about coordinating with a city project.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850001	CLEARING AND GRUBBING Any trees within the grading limits shall be felled independent of and prior to this project by the City of Johnston. Clearing and removal of remaining shrubs, and grubbing of stumps within the project limits may take place as needed during project construction.
2	2102-0425071	SPECIAL BACKFILL Quantity includes amount necessary to accommodate backfill of areas of unsuitable soil that may be encountered on the project. Use of special backfill will be allowed only at the direction of the engineer.
3	2102-2625000	EMBANKMENT-IN-PLACE Item shall be contractor furnished. Total project cut volume = 777 CY. Total project fill volume = 1,359 CY Quantity reflects a total project import volume of 582 CY assuming a 30% shrinkage factor. It is the contractors responsibility to obtain an approved offsite borrow area. No payment for overhaul will be allowed. Materials from offsite borrow areas shall be submitted for testing and approval of a geotechnical engineer. Payment is for full compensation for furnishing all labor, equipment and materials required to construct the cross sections as shown in the contract documents. Type A compaction shall be used to construct embankments. Refer to Earthwork table on sheet C.6.
4	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW Total project cut volume = 777 CY. Project cut volume includes benching of foreslopes, and rebuilding of embankments as shown on the cross sections. No payment for overhaul will be allowed. This item includes quantity to construct earth shoulders. Type 'A' compaction shall be used to construct embankments. Refer to Earthwork table on sheet C.6.
5	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD Strip and stockpile topsoil to a depth of 8" before excavation occurs. The bid quantity of 1,709 CY represents the quantity of topsoil to be stripped. 1,680 CY of topsoil shall be placed assuming a 30% shrinkage factor. Excess topsoil after spreading shall be wasted along foreslopes.
6	2115-0100000	MODIFIED SUBBASE To be placed to a minimum depth of 6" beneath on and off-street trail segments. Quantity includes 1.5' pad beyond edge of pavement. See Typical Sections in B-Sheets for more information.
7	2123-7450020	SHOULDER FINISHING, EARTH Refer to B.1 for typical section. Earth quantity is included in item Excavation, Class 10 Roadway and Borrow.
8	2301-4874006	MEDIAN, DOWELLED P.C. CONCRETE, AS PER PLAN Height of median curb shall be 8" and constructed as shown in detail 6149 on sheet B.3. Freshly paved HMA surface shall be scarified prior to construction of dowelled median. Certified Plant Inspection will be required.
9	2315-8275055	SURFACING, DRIVEWAY, CLASS C GRAVEL For the placement of 8" of Class 'C' Gravel for reconstruct the entrance to The Boat House. Refer to 'E' Sheets for driveway construction.
10	2416-0100012	APRONS, CONCRETE, 12 IN. DIA. Refer to 'M' Sheets and tabulation 104-5B for plan location and elevations.
11	2416-0102218	APRON, LOW CLEARANCE CONCRETE, EQUIVALENT DIAMETER 18 IN. Refer to 'M' Sheets and tabulation 104-5B for plan location and elevations.
12	2416-1192218	CULVERT, 2000D LOW CLEARANCE CONCRETE ENTRANCE PIPE, EQUIVALENT DIAMETER 18 IN. Refer to 'M' Sheets and tabulation 104-5B for locations and detail. Trench construction and Type R-5 bedding in accordance to SW-102 shall be incidental to item. All joints shall be wrapped with engineering fabric.
13	2435-0251218	INTAKE, SW-512, 18 IN. Refer to 'M' Sheets and tabulation 104-5B for locations and detail. SW-604 Type 3A casting, trench construction, and Type R-5 bedding in accordance to SW-102 shall be incidental to item.
14	2435-0600010	MANHOLE ADJUSTMENT, MINOR Adjust two (2) existing manholes to proposed grade. A three piece casting and riser section shall be incidental to this item.
15	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 12 IN. Refer to 'M' Sheets and tabulation 104-5B for locations and detail. Trench construction and Type R-5 bedding in accordance to SW-102 shall be incidental to item. All joints shall be wrapped with engineering fabric.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
16	2507-6800042	REVTMENT, CLASS D For use at downstream outlet of ST-1.1. Place 26 Tons of revetment to a depth of 1.5 foot as shown on sheets D.5 and M.1
17	2510-6745850	REMOVAL OF PAVEMENT Quantity includes removal of pavement as called out in tabulation 110-1. Removal of section of curb at trail crossing with Country Ridge Lane shall also be incidental to this item. Horizontal saw cut for neat, clean edge. Refer to Tabulation 110-1, 'B' and 'D' Sheets for details.
18	2511-0301500	RECREATIONAL TRAIL, HOT MIX ASPHALT, 5 IN. For on-street trail segment. Refer to 'B' and 'D' Sheets for details. Quantity includes an additional 50 square yards of 5 IN. HMA to construct driveways through this segment. Certified Plant Inspection will be required.
19	2511-0302500	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 5 IN. For off-street trail segment. Refer to 'B' and 'D' Sheets for details. Refer to Standard Road Plan MI-220 for pedestrian ramp construction. Quantity also includes and additional 64 square yards of 6 IN. P.C. concrete to construct driveway at Station 19+60. Refer to sheet L.2 for PCC driveway construction. Certified Plant Inspection will be required.
20	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL Item includes preparing subgrade surface 1.5 foot beyond edge of trail pavement. For on-street trail section, prepare subgrade in two (2) six-inch lifts. For areas in cut, remove and replace top 6-inch of existing subgrade to prepare lower lift.
21	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.
22	2511-7528101	DETECTABLE WARNINGS Refer to 'S' Sheets for detail. Panel color shall be red, manufactured with a non-slip surface and truncated domes. Panels shall be set in fresh concrete.
23	2524-9276010	PERFORATED SQUARE STEEL TUBE POST Refer to 'N' Sheets for location and details. A 10' length has been assumed for each sign installation. The bottom of sign shall be mounted at a height of 5' measured from the elevation at edge of trail.
24	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION Refer to 'N' Sheets for location and details
25	2524-9325001	TYPE A SIGN, SHEET ALUMINUM Refer to 'N' Sheets for location and details. The bottom of sign shall be mounted at a height of 5' measured from the elevation at edge of trail.
26	2526-8285000	CONSTRUCTION SURVEY This bid item shall include all survey work necessary for construction of this project as intended by the contract documents and approved revisions. All construction staking shall be performed by or under the supervision of a licensed surveyor or engineer. The contractor will be responsible for maintaining all horizontal and vertical control within the project limits following completion of the construction activities. This item shall also include resetting and filing of tie certifications on disturbed section corners.
27	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED Refer to Tabulation 108-22 and 'N' Sheets for location and details.
28	2527-9263180	PAVEMENT MARKINGS REMOVE
29	2528-8445110	TRAFFIC CONTROL Refer to 'J' Sheets and Traffic Control Plan. Item shall include installation, maintenance, and removal of traffic control as required by the staging plans (Sheet J.1), and the contractor's methods of construction.
30	2528-8445113	FLAGGERS Refer to 'J' Sheets and Traffic Control Plan.
32	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201 For relocation of one (1) fire hydrant and assemblies as detailed on 'D' Sheets. Contractor shall reuse existing hydrants and valves.
33	2554-0212020	VALVE BOX EXTENSION For the adjustment of valves to proposed grades as shown on tabulation 104-10 & 'D' Sheets. Payment shall include all material, and labor necessary for required adjustment.

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ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
34	2554-0212030	VALVE BOX REPLACEMENT For the adjustment of valves to proposed grades as shown on tabulation 104-10 & 'D' Sheets. Payment shall include all material, and labor necessary for required adjustment.
35	2554-0214000	FIRE HYDRANT ADJUSTMENT For vertical height adjustment of one (1) fire hydrant as detailed on 'D' Sheets and tabulation 104-10. Contractor to adjust hydrant to proposed grade.
36	2599-9999005	TUBULAR STYLE CHANNELIZER POST The contract bid price for this item shall be a unit price per each channelizer post and shall cover the cost of all labor, materials, equipment, and incidentals necessary to furnish, and install. Posts are to be mounted in the center of proposed PCC median as detail on sheet N.1 and Typical Section on sheet B.1. The method of measurement will be the by each channelizer post installed. The payment shall be full compensation for all labor, materials, and equipment for installation of the channelizer post. Tubular channelizers shall have a flexible, spring assisted base, and have two (2) three inch reflective silver bands at the top end.
37	2601-2634100	MULCHING All disturbed areas
38	2601-2636044	SEEDING AND FERTILIZING (URBAN) Seed and fertilize all disturbed areas. Payment shall include all necessary material, labor and installation for complete seeding and fertilizing. Iowa DOT Type 1 seed mixture shall be used.
39	2601-2643411	TURF REINFORCING MAT, TYPE 1 For isolated locations on steep slopes and ditch bottoms where soil erosion and seed migration due to washouts becomes a problem. Prior approval of this item through the engineer must be received before use.
40	2602-0000020	SILT FENCE Refer to Tab. 100-17. The tabulation includes estimated locations for placement of Silt Fence to address possible erosion during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.
41	2602-0000030	SILT FENCE FOR DITCH CHECKS Refer to Tab. 100-17. The tabulation includes estimated locations for placement of Silt Fence to address possible erosion during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 50% additional quantity for field adjustments and replacements.
42	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS This item is included for silt fence and silt fence for ditch check removal required for staging reasons, for replacement (replacement to be paid separately), or for areas that have achieved 70% permanent growth.
43	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK This item is included for cleanout and repair of the silt fence and silt fence for ditch checks during the project.
44	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA. Quantity to be used in front of all intakes and as needed to control runoff of sediment from the project. Payment shall include placement, maintenance, and removal.

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TRAFFIC CONTROL GENERAL NOTES:

1. ONLY MAJOR STAGES OF CONSTRUCTION ARE SHOWN IN THE STAGING AND TRAFFIC CONTROL PLAN. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING DETAILED TRAFFIC CONTROL PLANS FOR ANY OTHER STAGES THAT MAY BE REQUIRED. CHANGES TO THE STAGING PLAN MUST BE APPROVED BY THE ENGINEER.
2. TRAFFIC CONTROL ON THIS PROJECT SHALL BE IN ACCORDANCE WITH SPECIFIC LAYOUTS SHOWN ON THESE PLANS. TRAFFIC CONTROL DEVICES, PROCEDURES, AND LAYOUTS SHALL BE PER THE IOWA DOT STANDARD ROAD PLANS TC SERIES.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR.
4. ALL PERMANENT SIGNING AND STRIPING SHALL BE PLACED BEFORE TRAIL IS OPEN TO TRAFFIC, UNLESS OTHERWISE NOTED. PERMANENT STRIPING SHALL BE PLACED AS PART OF THIS PROJECT. PERMANENT SIGNING OF THE TRAIL SHALL BE PLACED AS PART OF THIS PROJECT.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES DURING CONSTRUCTION. IN SOME CIRCUMSTANCES IT MAY BE NECESSARY TO TEMPORARILY CLOSE AN ACCESS. ANY ACCESS CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND THE AFFECTED PROPERTY OWNER.
6. THE CONTRACTOR SHALL ADD "ROAD WORK AHEAD" SIGNS ON ALL ROADS THAT INTERSECT THE PROJECT. SIGN PLACEMENT SHALL CONFORM TO THE IOWA DOT STANDARD ROAD PLANS TC SERIES.
7. SOME CONSTRUCTION MAY REQUIRE TEMPORARY LANE CLOSURES NOT SHOWN IN THE PLANS. REFER TO PART 6 OF THE IOWA DOT STANDARD ROAD PLANS TC SERIES FOR STANDARD LANE CLOSURE SIGNAGE.
8. THE REMOVAL OF TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL PAY ITEM.
9. THE CONTRACTOR SHALL COVER ALL CONFLICTING EXISTING SIGNS.
10. THE CONTRACTOR SHALL OBLITERATE ALL CONFLICTING PAVEMENT MARKINGS.
11. REMOVAL OF ALL EXISTING AND TEMPORARY PAVEMENT MARKINGS SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL PAY ITEM.
12. WRITTEN NOTICE SHALL BE PROVIDED TO THE CITY OF JOHNSTON AND THE ENGINEER A MINIMUM OF 72 HOURS PRIOR TO ROADWAY CLOSURES AND TRANSITIONS BETWEEN STAGES.
13. ROADWAY STATIONING REFERRED TO IN STAGING NOTES IS APPROXIMATE.
14. THE SPACING OF ALL SIGNS AND THE DISTANCE BETWEEN SIGNS SHOWN IN THIS PLAN SHALL MEET THE REQUIREMENTS OF THE IOWA DOT STANDARD ROAD PLANS TC SERIES. IF THE MINIMUM SPACING BETWEEN SIGNS CANNOT BE MAINTAINED, THE SIGN LOCATIONS SHALL BE ADJUSTED TO PROVIDE THE LARGEST SPACING AVAILABLE.
15. THE LOCATION FOR STORAGE OF EQUIPMENT BY THE CONTRACTOR DURING NON-WORKING HOURS SHALL BE AS APPROVED BY THE ENGINEER.
16. REMOVAL OF SIGNING ALONG NW BEAVER DRIVE SHALL BE PERFORMED BY THE CITY OF JOHNSTON.
17. LANE CLOSURES SHALL REQUIRE A PERMIT WITH THE CITY OF JOHNSTON OBTAINED A MINIMUM OF 72 HOURS IN ADVANCE OF THE ONSET OF THE LANE CLOSURE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL.
18. TRAFFIC ON NW BEAVER DRIVE AND SIDE STREETS SHALL BE MAINTAINED DURING CONSTRUCTION. ONE LANE OF NW BEAVER DRIVE MAY PERIODICALLY BE CLOSED; TC-213 SHALL BE UTILIZED.
19. DEDICATED EXISTING PEDESTRIAN FACILITIES ARE NOT LOCATED ALONG NW BEAVER DRIVE IN THE PROJECT COORIDOR.

NOTE:

THE CONTRACTOR WILL BE REQUIRED TO LIMIT WORK HOURS ON THE PROJECT FROM 6:30 A.M. TO 9:00 P.M., MONDAY THROUGH FRIDAY. SHOULD EQUIPMENT BE USED WHICH IS EXCESSIVELY NOISY AND DISTRESSING TO AREA RESIDENTS, THE ENGINEER RESERVES THE RIGHT TO LIMIT HOURS OF OPERATION FROM 7:00 A.M. TO 7:00 P.M. FOR MONDAY THROUGH FRIDAY. PRIOR APPROVAL FROM THE ENGINEER WILL BE REQUIRED FOR WORK ON WEEKENDS AND HOLIDAYS AND FOR EXCEPTIONS TO THESE TIME RESTRICTIONS.

REQUIRED CONTRACTOR COORDINATION

NW BEAVER DR WILL BE RESURFACED CONCURRENTLY WITH THIS PROJECT. CONTRACTOR SHALL COORDINATE WORK AND TRAFFIC CONTROL WITH THE RESURFACING PROJECT. RESURFACING PROJECT LIMITS EXTEND BEYOND THIS PROJECT.

TRAIL CONSTRUCTION AND PROTECTED LANE CONSTRUCTION

CONSTRUCT THE TRAIL FROM HYPERION FIELD CLUB TO 63RD COURT UTILIZING ONE OF THE FOLLOWING IOWA D.O.T. STANDARD TC-SERIES:

WHEN WORK CAN BE PERFORMED WITHOUT DISTURBANCE TO ROADWAY TRAFFIC, TC-202 SHALL BE UTILIZED.

OR

WHEN ONE LANE OF TRAFFIC MUST BE CLOSED, TC-213 SHALL BE UTILIZED. EXAMPLES OF WHEN ONE LANE SHALL BE CLOSED ARE: DELIVERY OF MATERIALS, PLACEMENT OF CONCRETE OR INSTANCES WHERE EQUIPMENT OR OTHER ITEMS NEED TO BE PARKED OR ARE MOVING AT A SLOW PACE.

WORK SHALL INCLUDE EARTHWORK, PLACEMENT OF PAVEMENT, DRAINAGE STRUCTURES, SIGNING, STRIPING, DETECTABLE WARNING DEVICES AND OTHER FEATURES AS NOTED IN THE PLANS.

LENGTH OF WORK AREA SHALL NOT EXCEED 1000'.

CONSTRUCT ACCESSES IN HALVES AND IN COORDINATION WITH THE PROPERTY OWNERS AND THE CITY OF JOHNSTON. RESIDENTIAL ACCESSES OR PORTIONS OF RESIDENTIAL ACCESSES SHALL BE CLOSED NO LONGER THAN 48 HOURS. SHOULD THE PROPERTY OWNER HAVE MULTIPLE ACCESSES, THE CONTRACTOR SHALL CONSTRUCT ONE ACCESS WHILE MAINTAINING ACCESS TO THE REMAINING ACCESS(ES) IN COORDINATION WITH THE PROPERTY OWNER AND CITY OF JOHNSTON.

STAGE	SIGN DESCRIPTION	QUANTITIES
TC-202	G20-2A ("END ROAD WORK")	2
	W20-1 ("ROAD WORK AHEAD")	2
	W8-9A ("SHOULDER DROP OFF")	1
STAGE	SIGN DESCRIPTION	QUANTITIES
TC-213	G20-2A ("END ROAD WORK")	2
	W20-1 ("ROAD WORK AHEAD")	2
	W20-4 ("ONE LANE ROAD AHEAD")	2
	W20-7A (FLAGGER)	2

QUANTITIES REFLECT NUMBER OF SIGNS PER SET-UP