

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 16, 2017

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
117	85-0155-693	PCC PAVEMENT - GRADE & REPLACE	STORY	STP-U-0155(693)--70-85	21FEB117A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0280 2510-6745850 REMOVAL OF PAVEMENT:

From: 8481.000 SY

To: 9788.800 SY

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

Make the following changes to the PLAN:

Replace SHEET C.2 with attached SHEET C.2.

Note: Updated Estimate Reference Information note number 13, "Removals, as Per Plan" to include quantity of driveway pavement removal.

Note: Updated Estimate Reference Information note number 28, "Removal of Pavement" to include removal of curb and gutter shall be included this bid item.

Replace SHEET C.5 with attached SHEET C.5.

Note: Updated Tabulation 110-8 with revised removal of driveway quantities.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850001	CLEARING AND GRUBBING Refer to D Sheets for locations of tree removals
2	2102-0425070	SPECIAL BACKFILL Special backfill shall be used under the Recreational Trail adjacent to the back of curb from Squaw Creek to South Hazel Ave. The special backfill shall be used to backfill behind the curb of the roadway to prevent settlement of the trail.
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW Class 10 excavation has been included for two areas of full depth pavement reconstruction, from Squaw Creek to S Hazel Avenue and just east of S Grand Ave to S Walnut Street. From Squaw Creek to South Hazel Avenue the project requires 736 CY of cut and 582 CY of fill including a 30% shrinkage factor. From South Grand Avenue to South Walnut Ave the project requires 670 CY of cut and 461 CY of fill including a 30% shrinkage factor. Material remaining after fill has been placed shall be wasted off site by the contractor. Waste shall be incidental to this item, no additional payment shall be made. Backfill of curb and all shoulder finishing shall be included with this item. Subdrain repair shall be incidental to item.
4	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD Spread topsoil on all disturbed areas to a minimum depth of 4" after completion of the project. The existing topsoil may be salvaged in areas where it can be stripped and stockpiled. Do not stockpile topsoil with other materials
5	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL Compaction with moisture and density control shall be used for subgrade preparation in the top 12" inches of soil beneath areas of full depth reconstruction. See B Sheets for locations.
6	2115-0100000	MODIFIED SUBBASE Modified subbase to be placed to a depth of 6" below new PCC Paving. Placement to extend outside the back of curb a minimum of 3' in areas of full depth reconstruction. For areas of Curb and Gutter reconstruction only, modified subbase shall extend a minimum of one foot beyond back of curb.
7	2212-5070310	PATCHES, FULL-DEPTH REPAIR Full Depth HMA patches to occur after milling of the existing pavement as determined by the engineer. Full depth HMA Patches will also be required in areas of storm and sanitary sewer manhole replacements in the existing paving and will be paid for by this item. Hot Mix Asphalt Standard Traffic, Base Course, 3/4 in. Mix shall be used. Binder shall be PG 58-28S, Standard Traffic. Payment for surface course shall be by other items. Item to include all necessary material, equipment, and labor to install the patch including asphalt material and binder.
8	2212-5070330	PATCHES BY COUNT (REPAIR)
9	2214-5145150	PAVEMENT SCARIFICATION Item to include milling of the existing asphalt surface as shown on the D Sheets. Milling west of South Grand Avenue shall be 4". Milling east of South Grand Avenue to be 2". Milling of the existing concrete curb shall also be included east of Grand Ave as shown on the L Sheets. Item shall include removal of Asphalt millings from the site. Millings shall become the property of the contractor.
10	2301-1033080	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN. See L Sheets for locations. Includes integral curbs. All pavement joints shall be cleaned and sealed. Certified Plant Inspection will be required. Areas of curb and gutter replacement adjacent to HMA to be milled and overlay shall be paid for by Item "CURB AND GUTTER, P.C. CONCRETE, 2.5 FT." Pavement smoothness incentives shall not apply. Pavement thickness incentives shall not apply. However, pavement thickness shall be checked by the City of Ames using non-destructive methods. Coordination will be required.
11	2303-1043504	HOT MIX ASPHALT HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, FRICTION L-4 HMA shall be placed to overlay the existing roadway after milling operation. HMA shall be placed in 2" lifts.
12	2303-1258284	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC
13	2401-6750001	REMOVALS, AS PER PLAN Includes removal of 1,094 SY of concrete drives. Refer to tabulation 110-8 on sheet C.5. Item also includes removal of existing storm sewer piping where new storm sewer is to be installed at S. Hazel Ave. See M sheets.
14	2435-0130348	MANHOLE, SANITARY SEWER, SW-303, 48" Item shall be used to replace existing sanitary sewer manholes located within the corridor. Connections to the existing pipes shall be considered incidental to this item. See M sheets for locations. Verify existing pipe sizes, locations, depths, and angles relative to each other prior to commencing construction. Install two new piece castings. Adjusting rings shall be Cretex Pro-Ring grade adjustment rings and shall be installed per the manufacturer's recommendation. Install manhole boxouts in all HMA pavement per Standard Road Plan PV-201. Payment for removal of the existing manhole and patching of the pavement shall be by other items. All other necessary material, equipment, and labor to install the sanitary sewer manholes and connect to the existing sanitary sewer pipes shall be considered incidental to this item.
15	2435-0130360	MANHOLE, SANITARY SEWER, SW-303, 60" Item shall be used to replace existing sanitary sewer manholes located within the corridor. Connections to the existing pipes shall be considered incidental to this item. See M sheets for locations. Verify existing pipe sizes, locations, depths, and angles relative to each other prior to commencing construction. Install two new piece castings. Adjusting rings shall be Cretex Pro-Ring grade adjustment rings and shall be installed per the manufacturer's recommendation. Install manhole boxouts in all HMA pavement per Standard Road Plan PV-201. Payment for removal of the existing manhole and patching of the pavement shall be by other items. All other necessary material, equipment, and labor to install the sanitary sewer manholes and connect to the existing sanitary sewer pipes shall be considered incidental to this item.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
16	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48" Item shall be used to replace existing storm sewer manholes located within the corridor. Connections to the existing pipes shall be considered incidental to this item. See M sheets for locations. Verify existing pipe sizes, locations, depths, and angles relative to each other prior to commencing construction. Install manhole boxouts in all HMA pavement per Standard Road Plan PV-201. Payment for removal of the existing manhole and patching of the pavement shall be by other items. All other necessary material, equipment, and labor to install the storm sewer manholes and connect to the existing storm sewer pipes shall be considered incidental to this item.
17	2435-0140184	MANHOLE, STORM SEWER, SW-401, 84" Item shall be used to replace existing storm sewer manholes located within the corridor. Connections to the existing pipes shall be considered incidental to this item. See M sheets for locations. Verify existing pipe sizes, locations, depths, and angles relative to each other prior to commencing construction. Install manhole boxouts in all HMA pavement per Standard Road Plan PV-201. Payment for removal of the existing manhole and patching of the pavement shall be by other items. All other necessary material, equipment, and labor to install the storm sewer manholes and connect to the existing storm sewer pipes shall be considered incidental to this item.
18	2435-0140204	MANHOLE, STORM SEWER, SW-402, TOP ONLY Item shall be used to convert an existing open throat intake into a storm sewer manhole. Manhole will also be required to be extended to the proposed grade. All necessary material, equipment, and labor to install the storm sewer manhole shall be considered incidental to this item.
19	2435-0250100	INTAKE, SW-501 See M sheets for locations. Instances where the existing intake is to be replaced will require connections to the existing storm sewer pipes and shall be considered incidental to this item. Verify existing pipe sizes, locations, depths, and angles prior to commencing construction.
20	2435-0250504	INTAKE, SW-501, TOP ONLY Replace intake tops as shown on the D Sheets. Item shall include removal from the site and disposal of existing intake tops. Tops may be required to be cast in place due the to dimensions of the existing storm sewer intakes. Verify location, size, and slope of the intake top prior to construction. See M Sheets for locations. Intakes located in bike lanes shall require a bicycle safe casting.
21	2435-0250700	INTAKE, SW-507 See M sheets for locations. Instances where the existing intake is to be replaced will require connections to the existing storm sewer pipes and shall be considered incidental to this item. Verify existing pipe sizes, locations, depths, and angles prior to commencing construction.
22	2435-0250704	INTAKE, SW-507, TOP ONLY Replace intake tops as shown on the D Sheets. Item shall include removal from the site and disposal of existing intake tops. Tops may be required to be cast in place due the to dimensions of the existing storm sewer intakes. Verify location, size, and slope of the intake top prior to construction. See M Sheets for locations.
23	2435-0600010	MANHOLE ADJUSTMENT, MINOR Adjust manholes as shown on the D and M Sheets. Install new two piece castings for all adjustments. Adjusting rings shall be Cretex Pro-Ring grade adjustment rings installed per the manufacturers recommendations for sanitary sewer manholes. Install manhole boxouts in all HMA pavement per PV-201.
24	2435-0700020	CONNECTION TO EXISTING INTAKE Connect to existing intake as shown on the M Sheets
25	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA. Install subdrain in areas of full pavement reconstruction as shown on the B Sheets. Connection to existing subdrain if encountered shall be incidental to this item. Refer to Standard Road Plan DR-303 for details. Installation shall be adjacent to back of curb.
26	2502-8221303	SUBDRAIN OUTLET, DR-303 Install subdrain outlets to intakes. Core drilling existing intakes will be required and shall be considered incidental to this item.
27	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 12 IN. See M sheets for locations.
28	2510-6745850	REMOVAL OF PAVEMENT Pavement shall become property of the Contractor and shall be removed from the site. Full depth saw cut at pavement removal limits shall be required and shall be considered incidental to this item. See D sheets for locations. Existing full depth HMA pavement is 10-11" thick. Existing composite paving (Squaw Creek to S. Hazel Ave) is 8" PCC with 2" Asphalt. Item also includes removal of curb and gutter per D and L Sheets.
29	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES Item shall include removal of intake and manholes that are to be replaced or relocated. See M Sheets for details.
30	2511-0302500	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 5 IN. Construct recreational trail as shown on the B, D, and S Sheets.
31	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL Special compaction shall be required under all recreational trail. Special compaction shall extend a minimum of 1 foot outside the recreational trail.
32	2511-6745900	REMOVAL OF SIDEWALK Full depth saw cut at pavement removal limits shall be required and shall be considered incidental to this item. See D Sheets for locations.
33	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN. See traffic control plan for pedestrian staging or closings. Curb ramps and turning spaces shall be paid for by item "Sidewalk, P.C. Concrete, 6 in."

P:\Projects\DM4163060\Deliverables\Drawings\plans\C_Quantities and General Information\C-SHEETS.dgn 2/15/2017 2:52:14 PM

104-9
04-21-15

LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE

Refer to Soils Sheets

Refer to EW-203, EW-204, or EW-211.
*Not a bid item

Line No.	Road or Lane Ident.	Location			Longitudinal Subdrain (DR-303)							Subdrain Outlet		Porous* Backfill	Class "A"* Crushed Stone	Remarks
		Station to Station	Side	Depth	Shoulder		Backslope		Bridge Berm			DR-303, DR-304, or DR-305				
				Ø	Size	Length	Size	Length	Size	Type	Length	Station	Standard Road Plan and Type			
				IN	IN	FT	IN	FT	IN		FT					
1	4TH	102+92.89	108+92.72	LT	24	4	620.36									STA: 102+92.89 CLEANOUT
2	4TH	102+92.82	105+55.60	RT	24	4	254.96									STA: 102+92.82 CLEANOUT
3	4TH	105+59.46	108+91.17	RT	24	4	319.23									OUTLET BOTH ENDS
10	3RD	130+18.05	132+32.64	LT	24	4	233.78									OUTLET BOTH ENDS
11	3RD	130+17.85	132+39.39	RT	24	4	226.28									OUTLET BOTH ENDS
12	3RD	132+85.15	136+66.76	LT	24	4	423.89									STA: 136+66.76 CLEANOUT
13	3RD	132+42.52	136+69.65	RT	24	4	437.78									STA: 136+69.65 CLEANOUT

105-4
10-18-11

STANDARD ROAD PLANS

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

Number	Date	Title
DR-303	10-18-16	Subdrains (Longitudinal)
EC-204	04-19-16	Perimeter and Slope Sediment Control Devices
MI-210	10-20-15	PCC Driveways and Alleys
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp
PM-110	04-16-13	Line Types
PM-111	04-21-15	Symbols and Legends
PV-101	04-19-16	Joints
PV-102	10-18-16	PCC Curb Details
PV-103	04-19-11	Manhole Boxouts in PCC Pavement
PV-201	04-19-11	Manhole Boxouts in HMA Pavement and HMA Overlays
SW-102	10-20-15	Rigid Gravity Pipe Trench Bedding
SW-211	10-16-12	Special Pipe Connections for Storm Sewer
SW-306	04-21-15	Chimney Seals for Sanitary Sewer Manholes
SW-401	04-21-09	Circular Storm Sewer Manhole
SW-501	10-16-12	Single Grate Intake
SW-505	10-16-12	Double Grate Intake
SW-507	10-21-14	Single Open-Throat Intake, Small Box
SW-601	04-21-15	Castings for Sanitary Sewer Manholes
SW-602	04-21-15	Castings for Storm Sewer Manholes
SW-603	10-15-13	Castings for Grate Intakes
TC-252	04-19-16	Routes Closed to Traffic
TC-402	04-21-15	Work Within 15 ft of Traveled Way
TC-419	04-19-16	Lane Closure on Undivided Highway
TC-422	10-15-13	Closure of Two Adjacent Lanes on Divided Highway
TC-423	04-15-14	Closure of Two Adjacent Lanes on Undivided Highway
TC-429	10-15-15	Closure of Continuous Two-Way Left Turn Lane and Adjacent Lane
TC-433	10-21-14	Pavement Marking Operations
TC-482	04-19-11	Uneven Lanes
TC-601	10-18-11	Pedestrian Detour
TC-602	10-18-11	Sidewalk Diversion

110-8
08-01-08

REMOVAL OF CONCRETE DRIVES

Location		Area	Remarks
Station	Side	SY	
103+60.23	LT	45.3	
111+56.97	LT	11.2	
120+44.21	LT	61.1	
131+02.73	RT	10.1	
133+15.53	RT	41.1	
133+73.27	RT	32.2	
134+42.50	LT	138.2	
135+25.44	RT	25.7	
135+49.74	RT	42.0	
135+62.93	LT	418.1	
137+97.51	RT	29.8	
139+05.50	RT	43.2	
139+63.51	RT	7.3	
144+38.28	RT	9.9	
144+54.32	LT	14.3	
144+87.79	RT	8.9	
146+18.65	RT	18.6	
147+02.13	LT	7.9	
147+18.50	RT	18.3	
147+68.42	RT	31.8	
147+88.75	LT	13.6	
149+92.82	RT	23.0	
150+41.64	RT	13.8	
150+56.03	RT	14.2	
152+24.99	LT	14.8	
	Total	1094.3	

P:\Projects\DM14\163060\Deliverables\Drawings\plans\C_Quantities and General Information\C-SHEETS.dgn 2/15/2017 2:52:15 PM