

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 10, 2017

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
106	91-0925-052	PCC PAVEMENT - GRADE & REPLACE	WARREN	HSIPX-092-5(52)--3L-91 NHSN-092-5(56)--2R-91 MP-092-5(704)119--76-91	18MAY106A03

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0430 2102-0425071 SPECIAL BACKFILL:

From: 12,709.700 CY

To: 9,905.800 CY

Change Proposal Line No. 0470 2102-2713070 EXCAVATION, CLASS 13, ROADWAY AND BORROW:

From: 1,452.000 CY

To: 1,050.500 CY

Change Proposal Line No. 0510 2122-5190095 PAVED SHOULDER, P.C. CONCRETE, 9.5 IN.

From: 8,681.400 SY

To: 6,272.800 SY

Change Proposal Line No. 0520 2123-7450000 SHOULDER CONSTRUCTION, EARTH

From: 78.10 STA

To: 56.50 STA

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

Replace plan sheets C.2 & C.8 for project NHSN-092-5(56)--2R-91 with the attached:

Sheet C.2

Revise note for –

2102-0425071 – SPECIAL BACKFILL

From: Includes 7383.5 CY for paved shoulders and 5326.2 CY for subbase.

To: Includes 4579.6 CY for paved shoulders and 5326.2 CY for subbase.

Sheet C.8

Revised Tab 112-9

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850001	CLEARING AND GRUBBING Refer to sheet U.2 for locations and details.
-	-	-
2	2102-0425071	SPECIAL BACKFILL Includes 4579.6 CY for paved shoulders and 5326.2 CY for subbase. Refer to Tab 112-9 on sheet C.8 and Tab 100-24 on sheet C.7 for details.
-	-	-
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW
4	2102-2710090	EXCAVATION, CLASS 10, WASTE Refer to T Sheets for details.
-	-	-
5	2102-2712015	EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS Refer to Tab 103-7 on sheet CS.1.
-	-	-
6	2102-2713070	EXCAVATION, CLASS 13, ROADWAY AND BORROW Refer to Tab 112-9 on sheet C.8 for details. Includes an additional 5 CY for removal of HMA and Rock stockpiles on South St.
-	-	-
7	2105-8425005	TOPSOIL, FURNISH AND SPREAD
8	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD Refer to T Sheets for details.
-	-	-
-	-	Depth - Quantities based on 6 inches for stripping and 8 inches for placement
9	2107-0875100	COMPACTION WITH MOISTURE CONTROL Refer to Tab. 103-6 on Sheet CS.1. Cubic yards shown on the contract documents as determined by the template fill volume. Shrinkage will not be included in the moisture control quantity.
-	-	-
10	2122-5190095	PAVED SHOULDER, P.C. CONCRETE, 9.5 IN.
11	2123-7450000	SHOULDER CONSTRUCTION, EARTH Refer to B sheets and Tab 112-9 on sheet C.8 for details.
-	-	-
12	2301-1033095	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 9.5 IN. Refer to B Sheets and Tab 100-24 on sheet C.7 for details.
-	-	-
13	2301-6911722	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES
-	-	-
14	2304-0100000	DETOUR PAVEMENT Refer to Sheet B.4, Typical "DET" on Sheet B.1, and Tab. 100-24 on Sheet C.7 for details.
-	-	-
-	-	Pavement Options - 8" PCC or 11" HMA
15	2315-8275055	SURFACING, DRIVEWAY Refer to Tab 102-3 on sheet C.9 for details.
-	-	-
16	2416-0101036	REMOVE AND REINSTALL CONCRETE PIPE APRONS LESS THAN OR EQUAL TO 36 IN.
17	2416-1541036	REMOVE AND REINSTALL RIGID PIPE CULVERT LESS THAN OR EQUAL TO 36 IN. Refer to Tab 104-3 on sheet C.10 for details. Quantity assumes 6 ft culvert sections.
-	-	-
18	2422-0360024	APRONS, UNCLASSIFIED, 24 IN. DIA.
19	2422-1722024	CULVERT, UNCLASSIFIED ENTRANCE PIPE, 24 IN. DIA. Refer to Tab 102-3 on sheet C.9 for details.
-	-	-
20	2422-1723024	CULVERT, UNCLASSIFIED ROADWAY PIPE, 24 IN. DIA. Refer to Tab 104-3 on sheet C.10 for details.
-	-	-
21	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.
22	2502-8221304	SUBDRAIN OUTLET, DR-304 Refer to Tab 104-9 on sheet CS.1 for details.
-	-	-
23	2507-3250005	ENGINEERING FABRIC
24	2507-6800061	REVTMENT, CLASS E Refer to Tab 100-23 on sheet C.15 for details.
-	-	-
25	2510-6745850	REMOVAL OF PAVEMENT Refer to Tab. 110-1 on sheet C.9 and Tab. 102-5 on sheet C.8 for location and details. Item includes 4033 LF of saw cut.
-	-	-
26	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES Refer to sheet D.3 for location
-	-	-
27	2518-6745880	REMOVAL OF ROAD CLOSURE BARRICADE Item is for removal of existing Road Closure Barricades on South St.
-	-	-
-	-	METHOD OF MEASUREMENT: The Engineer will count each Road Closure Barricade removed.
-	-	BASIS OF PAYMENT: Payment will be the contract unit price for each Road Closure Barricade counted. Payment is full compensation for furnishing all material, labor, and equipment necessary to remove the Road Closure Barricade.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
28	2518-6891810	PERMANENT ROAD CLOSURE, RURAL, SI-181 Refer to Tab 102-4 on sheet C.11 for details.
-	-	-
29	2518-6910000	SAFETY CLOSURE Refer to J sheets and Tab. 108-13A on Sheet C.11 for details.
-	-	-
30	2526-8285000	CONSTRUCTION SURVEY
-	-	-
31	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED
32	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS Refer to J sheets, Tab 108-22 on sheets C.12 - C.14 for details.
-	-	-
33	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED Refer to Tab 108-29 on sheet C.14 and J Sheets for details.
-	-	-
34	2527-9263180	PAVEMENT MARKINGS REMOVED Refer to J sheets and Tab 108-22 on sheets C.12 - C.14 for details.
-	-	-
35	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE Refer to J sheets and Tab. 108-33 on Sheet C.11 for details.
-	-	-
36	2528-8400157	TEMPORARY FLOODLIGHTING LUMINAIRE Refer to Tab 108-27 on sheet C.11 for details.
-	-	-
37	2528-8400256	TEMPORARY TRAFFIC SIGNALS Refer to Tab. 108-28 on Sheet C.11 and J Sheets for details.
-	-	-
38	2528-8445110	TRAFFIC CONTROL
-	-	-
39	2528-8445113	FLAGGERS
-	-	-
40	2528-8445115	PILOT CARS
-	-	-
41	2533-4980005	MOBILIZATION
-	-	-
42	2548-0000200	MILLED SHOULDER RUMBLE STRIPS, PCC SURFACE
43	2548-0000320	MILLED CENTERLINE RUMBLE STRIPS, PCC SURFACE Refer to Tab 112-10 on sheet C.8 for details.
-	-	-
44	2551-0000110	TEMP CRASH CUSHION Refer to J sheets and Tab 108-30 on sheet C.11 for details. Winterize sand filled or water filled crash cushions according to the Manufacturer's recommendations if they are to remain in place during winter months.
-	-	-
45	2590-0000020	PROJECT MANAGEMENT
-	-	-
46	2601-2634100	MULCHING Mulching per Article 2601.03, E, 2. Anchor mulch into the soil using mulch anchoring equipment with a minimum of two passes. Included for areas requiring reshaping and seedbed preparation. Mulch shall be Certified Noxious Weed Seed Free Mulch as certified by the Iowa Crop Improvement Association or adjacent states Crop Improvement Associations. Mulch Rate: 1 1/2 tons of dry cereal straw or native grass straw per acre.
-	-	-
47	2601-2634105	MULCHING, BONDED FIBER MATRIX A Bonded Fiber Matrix shall be applied as directed by the Engineer. The seed and fertilizer for the area to be covered shall be applied prior to the Bonded Fiber Matrix Hydraulic Mulch application. Application rate shall be a minimum of 3000 lbs per acre.
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SHOULDERS

- ① Lane(s) to which the shoulder is adjacent.
- ② Bid Item
- ③ Applies only for Paved Shoulders constructed on project with existing granular shoulders.
- ④ Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 140, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Road Identification	Direction Of Traffic	Location				P Width FT	G Width FT	L Length FT	Class 13 Excavation CY	Hot Mix Asphalt		Binder TONS	Paved Shoulder SY	Reinforced Paved Shoulder SY	Special Backfill				Modified Subbase CY	Granular Shoulder		Earth Shoulder Construction Alternates			Remarks			
		Station to Station		Side	HMA Alternate					PCC Alternate					TON	TON/STA	TON	TON/STA		CY	TON	TON/STA	STA	HMA CY		PCC CY		
		Start	End		TON					TON/STA	TON																TON/STA	
IA. 92	E	231+35.00	256+91.70	RT	10.0		2556.7	473.5				2840.8					2074.000	81.120							25.6			
IA. 92	W	231+35.00	243+85.09	RT	10.0		1250.1	231.5				1389.0					1014.000	81.120							12.5			
	W	247+35.19	257+16.90	RT	10.0		981.7	181.8				1090.8					796.400	81.120							9.8			
IA. 28	N	2002+62.69	2006+00.00	RT	10.0		429.8	79.6				477.6					348.700	81.120							4.3			
	S	2002+62.69	2006+00.00	RT	10.0		427.2	79.1				474.7					346.500	81.120							4.3			
TOTALS=							TOTALS	1045.5				6272.8					4579.600								56.5			

MILLED RUMBLE STRIPS

See PV-12 and PV-13.

* Calculated at 18" width for Shoulder.

Road Identification	Location				Type (Centerline, Rt or Lt Shoulder)	Fog Seal* (Milled Rumble Strip) Shoulder GAL	Effective Shoulder Width			Remarks
	Station to Station		Length				PCC Paved FT	HMA Paved FT	Granular\Earth FT	
	Start	End	PCC STA	HMA STA						
IA 92	231+35.00	257+81.00	26.46		Centerline	0.0				
IA 92	231+35.00	257+17.00	25.82		Left Shoulder	0.0	10.0			
IA 92	231+35.00	257+17.00	25.82		Right Shoulder	0.0	10.0			
	Total Centerline		26.46							
	Total Shoulder		51.64							

EXISTING PAVEMENT

No.	Location					Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate			Reinforcement Type	Remarks		
	County	Route	Dir. of Travel	Begin Ref. Loc. Sign	End Ref. Loc. Sign				Type	Depth IN	Type	Depth IN	Type	Depth IN	Type	Depth IN	Type	Depth IN	Source			Type	Durability Class
1	91	IA. 92	West	120.85	125.97	1992		FN-92-5(31)--21-91	AAC	3					MIL	0.5	University	Gravel					
1	91	IA. 92	West	120.85	125.97	1983		FN-92-5(20)--21-91	BSC														
1	91	IA. 92	West	120.85	125.97	1952		P-1023W	BAC	1.5	TBB	1.5					Earlham	Gravel	1				
1	91	IA. 92	West	120.85	125.97	1930		P-569	PC7	7													
2	91	IA. 28	North	0	7.85	1995		STP-28-1(9)--2C-91	AAC	1.5	BAC	1.5			MIL	1	Ames Mine	C.List.					
2	91	IA. 28	North	0	7.85	1977		MP-5718--69	AAC														
2	91	IA. 28	North	0	7.85	1956		P-1023(1)	AAC	1.5	AAC	1.5					Winterset	C.List>					
2	91	IA. 28	North	0	7.85	1952		P-1023*<1>	BAC	1.5	TBB	1.5											
2	91	IA. 28	North	0	7.85	1934		NRH-NRM-415ABC	PC7	7							Winterset LST	C.Lst.	1	Some DSM GR.=2			