

# 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>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
157	91C091-112	HMA RESURFACING	WARREN	STP-S-C091(112)--5E-91	20DEC157A02

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0140:

From: 2303-1252343 ASPHALT BINDER, PG 52-34S, STANDARD TRAFFIC  
To: 2303-1258283 ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC

Change Proposal Line No. 0150:

From: 2303-1252346 ASPHALT BINDER, PG 52-34E, EXTREMELY HIGH TRAFFIC  
To: 2303-1258346 ASPHALT BINDER, PG 58-34E, EXTREMELY HIGH TRAFFIC

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

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

The following changes have been made to the plan set:

### **Tabulation 100-1A & 100-4A [Sheet C.1 & C.2]**

Changed Bid Item 140 from "2303-1252343 ASPHALT BINDER, PG 52-34S, STANDARD TRAFFIC" to "2303-1258283 ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC".

Changed Bid Item 150 from "2303-1252346 ASPHALT BINDER, PG 52-34E, EXTREMELY HIGH TRAFFIC" to "2303-1258346 ASPHALT BINDER, PG 58-34E, EXTREMELY HIGH TRAFFIC".

100-1A  
07-15-97

**ESTIMATED PROJECT QUANTITIES  
(1 DIVISION PROJECT)**

Item No.	Item Code	Item	Unit	Total	As Built Qty.
10	2101-0850001	CLEARING AND GRUBBING	ACRE	0.2	
20	2115-0100000	MODIFIED SUBBASE	CY	27.2	
30	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	3368.3	
40	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	5.2	
50	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	1.8	
60	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	917.7	
70	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	104	
80	2214-5145150	PAVEMENT SCARIFICATION	SY	464.4	
90	2301-0690210	BRIDGE APPROACH, TWO LANE	SY	378.4	
100	2301-1033100	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.	SY	192.2	
110	2303-0002380	HMA MIXTURE INTERLAYER BASE COURSE, 3/8 IN. MIX	TON	1322.66	
120	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	3012.45	
130	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	2354.19	
140	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	322	
150	2303-1258346	ASPHALT BINDER, PG 58-34E, EXTREMELY HIGH TRAFFIC	TON	119.04	
160	2303-0911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1	
170	2314-0775010	CALCIUM CHLORIDE APPLIED	TON	24.2	
180	2314-0775015	WATER FOR SURFACE APPLICATION OF CALCIUM CHLORIDE	MGAL	8.05	
190	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	150	
200	2316-0000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	2	
210	2402-2720100	EXCAVATION, CLASS 20, FOR ROADWAY PIPE CULVERT	CY	225.7	
220	2416-0100024	APRONS, CONCRETE, 24 IN.	EACH	1	
230	2416-1180024	CULVERT, CONCRETE ROADWAY PIPE, 24 IN. DIA.	LF	18	
240	2416-1541036	REMOVE AND REINSTALL RIGID PIPE CULVERT LESS THAN OR EQUAL TO 36 IN.	LF	138	
250	2417-0225024	APRONS, METAL, 24 IN. DIA.	EACH	1	
260	2417-1060024	CULVERT, CORRUGATED METAL ROADWAY PIPE, 24 IN. DIA.	LF	10	
270	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	49431.8	
280	2502-8221304	SUBDRAIN OUTLET, DR-304	EACH	100	
290	2510-6745850	REMOVAL OF PAVEMENT	SY	545.4	
300	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	73.9	
310	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	64.2	
320	2518-6910000	SAFETY CLOSURE	EACH	3	
330	2519-3300600	FENCE, SAFETY	LF	319	
340	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	278.39	
350	2528-8445110	TRAFFIC CONTROL	LS	1	
360	2528-8445113	FLAGGERS	EACH	1	
370	2528-8445115	PILOT CARS	EACH	1	
380	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	185.2	
390	2529-5070111	PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH)	SY	83.6	
400	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	8	
410	2529-8174010	SUBBASE (PATCHES)	SY	1186.5	
420	2533-4980005	MOBILIZATION	LS	1	

111-25  
10-18-11

**INDEX OF TABULATIONS**

Tabulation	Tabulation Title	Sheet No.
<b>C Sheets</b>		
100-1A	ESTIMATED PROJECT	C.1
100-1D	PROJECT DESCRIPTION	C.1
100-4A	ESTIMATE REFERENCE INFORMATION	C.2
100-25	HMA PAVEMENT	C.7
102-3	ACCESS POINTS AND SAFETY RAMPS	C.7 - C.8
102-6C	FULL-DEPTH PATCHES	C.5 - C.6
104-3	DRAINAGE STRUCTURE BY ROAD CONTRACTOR	C.5
104-9	LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE	C.3 - C.4
105-4	STANDARD ROAD PLANS	C.1
108-13A	SAFETY CLOSURES	C.3
108-22	PAVEMENT MARKING LINE TYPES	C.8
110-2	REMOVAL OF EXISTING STRUCTURES	C.5
110-8	REMOVAL OF CONCRETE DRIVES	C.7
111-25	INDEX OF TABULATIONS	C.1
112-9	SHOULDERS	C.8
<b>G Sheets</b>		
101-18	SUPERELEVATION DATA	G.2
<b>J Sheets</b>		
108-23A	TRAFFIC CONTROL PLAN	J.1
108-26A	STAGING NOTES	J.1

100-1D  
10-18-05

**PROJECT DESCRIPTION**

This project includes the HMA resurfacing of Warren County Highway G76 from County Highway G72 to S. West Ave. in Lacona, IA. The project also includes roadway culvert repairs, longitudinal subdrain, and full-depth P.C.C. repair patches along County Highway G76 from County Highway G72 to 10th Ave. (County Line).

105-4  
10-18-11

**STANDARD ROAD PLANS**

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

Number	Date	Title
BR-101	04-21-15	Bridge Approach Section (General Details)
BR-104	04-21-15	Bridge Approach Section (at Existing Bridges, PCC Pavement)
DR-101	04-19-16	Pipe Culvert (Bedding and Backfill)
DR-103	04-21-15	Pipe Culvert (Installation Details)
DR-121	10-20-15	Connected Pipe Joints
DR-201	04-21-15	Concrete Aprons
DR-303	10-18-16	Subdrains (Longitudinal)
DR-304	10-18-16	Outlets for Longitudinal, Transverse and Backslope Subdrains
DR-601	10-20-15	Reinforced Concrete Pipe Culvert
EW-501	10-20-15	Rural Entrance
PM-110	04-16-13	Line Types
PM-520	04-19-11	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PR-102	04-21-15	Full Depth PCC Patch without Dowels
PR-103	10-21-14	Full Depth PCC Patch with Dowels
PV-3	10-18-11	Safety Edge
PV-10	04-19-11	Rumble Strip Panel for Intersection Approach
PV-101	04-19-16	Joints
PV-202	04-16-13	Hot Mix Asphalt Resurfacing
PV-301	04-19-11	Superelevation Details Two Lane Roadway
SI-881	10-18-16	Special Signs for Workzones
TC-1	04-16-13	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-21-15	Work Within 15 ft of Traveled Way
TC-213	04-17-12	Lane Closure with Flaggers
TC-214	04-16-13	Lane Closure with Flaggers for use with Pilot Car
TC-233	10-21-14	Pavement Marking Operations Two-Lane
TC-252	04-19-16	Routes Closed to Traffic
TC-282	04-19-11	Uneven Lanes

**ESTIMATE REFERENCE INFORMATION**

Item No.	Item Code	Description
10	2101-0850001	CLEARING AND GRUBBING Refer to Sheet D.1 for details and locations.
20	2115-0100000	MODIFIED SUBBASE Refer to Sheet B.1 for details and locations.
30	2121-7425020	GRANULAR SHOULDERS, TYPE B Refer to Tabulation 112-9 on C.8 and B sheets for details and locations. Quantity based on a density of 140pcf. Gravel/Limestone mixture is not allowed. Shoulder material shall be limestone. Contractor shall not stockpile any material without obtaining the County Engineer's approval.
40	2123-7450000	SHOULDER CONSTRUCTION, EARTH Bid item includes 0.8 Sta. for backfilling around PCC driveway at Sta. 278+44.00.
50	2212-0475095	CLEANING AND PREPARATION OF BASE Quantity is computed once per project and based on a pavement width of 22 feet for length of HMA paving. All bituminous material shall be removed from all joints and cracks prior to HMA paving.
60	2212-5070310	PATCHES, FULL-DEPTH REPAIR All repair patches consist of 8 in. PCC with 6 in. of modified subbase. All joints along existing pavement shall be RT joints. Refer to Tabulation 102-6C on Sheets C.5-6 for details and locations.
70	2212-5070330	PATCHES BY COUNT (REPAIR) Refer to Tabulation 102-6C on Sheets C.5-C.6 for details and locations.
80	2214-5145150	PAVEMENT SCARIFICATION Refer to Detail A on B.2 and Sheet D.1 for details and locations.
90	2301-0690210	BRIDGE APPROACH, TWO LANE Refer to D and L sheets for details and locations. Refer to Iowa DOT Standard Road Plan BR-104 for details.
100	2301-1033100	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN. Refer to B, D, and L Sheets for locations and details. Certified plant inspection is required and is the Contractor's responsibility. Excavation for modified subbase and thicker pavement is included in this bid item. Total excavation required for modified subbase and thicker pavement is 42.7 CY. Contractor shall place a 4" layer of modified subbase below proposed pavement.
110	2303-0002380	HMA MIXTURE INTERLAYER BASE COURSE, 3/8 IN. MIX Refer to B Sheets, Tabulation 100-25 on Sheet C.5, and D sheets for details and locations. Quantities are based on a density of 147 pcf and include the safety edge. Use PG 52-34E Asphalt Binder. Contractor shall match existing cross slope. No cross slope correction shall be done with interlayer mix. Price bid for this item shall include all costs associated with providing Quality Management-Asphalt (QM-A), including Certified Plant Inspection. This material shall not be used on driveway and side road fillets.
120	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX Refer to B Sheets, Tabulation 100-25 on Sheet C.5, and D sheets for details and locations. Quantities are based on a density of 147 pcf and include the safety edge. Use PG 52-34S Asphalt Binder. Contractor shall correct cross slope to a normal crown of 2%. Refer to Iowa DOT Standard Road plan PV-301 and Tabulation 101-18 for cross slope information in super elevated curves. The intermediate course shall be a minimum depth of 1.5" Price bid for this item shall include all costs associated with providing Quality Management-Asphalt (QM-A), including Certified Plant Inspection. This material shall be used for fillets and fillet extensions. Refer to detail 7149 on Sheet B.1 for fillet extension details. Refer to Iowa DOT Standard Road Plan PV-202 for fillet details. All driveway fillets shall be placed to the width of the existing driveway.
130	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT Refer to B Sheets, Tabulation 100-25 on Sheet C.5, and D sheets for details and locations. Quantities are based on a density of 147 pcf and include the safety edge. Use PG 58-34S Asphalt Binder. Contractor shall correct cross slope to a normal crown of 2%. Refer to Iowa DOT Standard Road plan PV-301 and Tabulation 101-18 for cross slope information in super elevated curves. The surface course shall be a minimum depth of 1.5" Price bid for this item shall include all costs associated with providing Quality Management-Asphalt (QM-A), including Certified Plant Inspection. This material shall be used for fillets and fillet extensions. Refer to detail 7149 on Sheet B.1 for fillet extension details. Refer to Iowa DOT Standard Road Plan PV-202 for fillet details. All driveway fillets shall be placed to the width of the existing driveway.
140	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC Quantities are based on 6.0% of surface and intermediate mix.
150	2303-1258346	ASPHALT BINDER, PG 58-34E, EXTREMELY HIGH TRAFFIC Quantities are based on 9.0% of interlayer base mix.
160	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES Contractor shall deliver sample to Iowa DOT District 5 Materials Office.
170	2314-0775010	CALCIUM CHLORIDE APPLIED Refer to Traffic Control Plan on J Sheets for locations and details. Quantity based on a 1 lb/SY of calcium chloride solid. Contractor shall apply dust control in solution form.
180	2314-0775015	WATER FOR SURFACE APPLICATION OF CALCIUM CHLORIDE Refer to Traffic Control Plan on J Sheets for locations and details. Quantity based on proportions for a Type 1 32% Calcium Chloride solution per Table 2529.02-2 in Article 2529.02. Contractor shall apply dust control in solution form.

**ESTIMATE REFERENCE INFORMATION**

Item No.	Item Code	Description
190	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE Refer to Tabulation 102-3 on Sheet C.8 for details and locations. Quantities based on a density of 140 pcf.
200	2316-0000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE) Quantity is based on mainline paving consisting of two 11' lanes for 1.76 miles.
210	2402-2720100	EXCAVATION, CLASS 20, FOR ROADWAY PIPE CULVERT Refer to Tabulation 104-3 on Sheet C.5 for details and locations.
220	2416-0100024	APRONS, CONCRETE, 24 IN. DIA. Refer to Tabulation 104-3 on Sheet C.5 and D Sheets for details and locations. Concrete aprons shall be installed on all pipes being replaced.
230	2416-1180024	CULVERT, CONCRETE ROADWAY PIPE, 24 IN. DIA. Refer to D sheets and Tabulation 104-3 on Sheet C.5 for details and locations. Bedding and Backfill shall follow trench installation detail on Iowa DOT Standard Road Plan DR-101. All pipe connections shall be a Type 2 connection shown in Iowa DOT Standard Road plan DR-121. Joint sealer shall only be applied below springline of pipe (bottom half of pipe).
240	2416-1541036	REMOVE AND REINSTALL RIGID PIPE CULVERT LESS THAN OR EQUAL TO 36 IN. Refer to D sheets and Tabulation 104-3 on Sheet C.5 for details and locations. Bedding and Backfill shall follow trench installation detail on Iowa DOT Standard Road Plan DR-101. All pipe connections shall be a Type 2 connection shown in Iowa DOT Standard Road plan DR-121. Joint sealer shall only be applied below springline of pipe (bottom half of pipe).
250	2417-0225024	APRONS, METAL, 24 IN. DIA. Refer to D sheets and Tabulation 104-3 on Sheet C.5 and Sheet D.6 for details and locations.
260	2417-1060024	CULVERT, CORRUGATED METAL ROADWAY PIPE, 24 IN. DIA. Refer to D sheets and Tabulation 104-3 on Sheet C.5 for details and locations.
270	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.
280	2502-8221304	SUBDRAIN OUTLET, DR-304 Refer to Tabulation 104-9 on Sheets C.3-C.4 for details and locations.
290	2510-6745850	REMOVAL OF PAVEMENT Refer to B and D Sheets for proposed PCC pavement locations. All pavement removed shall become property of the Contractor.
300	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN. Refer to Tabulation 102-3 on Sheet C.8 for details and locations. Certified plant inspection is required and is the Contractor's responsibility.
310	2515-6745600	REMOVAL OF PAVED DRIVEWAY Refer to Tabulation 110-8 on Sheet C.8 for details and locations. Salvaged materials shall become the property of the Contractor.
320	2518-6910000	SAFETY CLOSURE Refer to Tabulation 108-13A on Sheet C.3 for details and locations.
330	2519-3300600	FENCE, SAFETY Refer to Sheet D.6 for details and locations. Safety fence shall be removed at the end of project. Removal of fence is included in this bid item. Measurement and payment are based on the linear foot of safety fence installed and removed.
340	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED Refer to Tabulation 108-22 on Sheet C.8 for details and locations.
350	2528-8445110	TRAFFIC CONTROL Refer to Traffic Control Plan on J Sheets.
360	2528-8445113	FLAGGERS
370	2528-8445115	PILOT CARS Refer to Traffic Control Plan on J Sheets.
380	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA
390	2529-5070111	PATCHES, FULL-DEPTH FINISH, BY AREA (50 FEET OR GREATER IN LENGTH) All finish patches consist of 8 in. PCC with 6 in. of modified subbase. All joints along existing pavement shall be RT joints. Refer to D sheets and Tabulation 102-6C on Sheets C.5-6 for details and locations.
400	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT Refer to Tabulation 102-6C on Sheets C.5-C.6 for details and locations.
410	2529-8174010	SUBBASE (PATCHES) See Tab 102-6C on Sheets C.5-C.6 for details and locations. Use modified subbase at a depth of 6".
420	2533-4980005	MOBILIZATION - - -