

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: January 21, 2015
Date of Addendum: December 18, 2014

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
156	32-C032-047	HMA RESURFACING WITH MILLING	EMMET	FM-C032(47)--55-32	21JAN156.A01

Make the following change to the plan:

Replace Plan Sheet 2 of 4 with the attached Plan Sheet 2 of 4.

ESTIMATED ROADWAY QUANTITIES Run Date: 10/1/2014
Project Number: FM-C032(47)--55-32

Item No.	Item Code	Item	Unit	Total
1	2123-7458000	SHOULDER CONSTRUCTION, EARTH	STA	316.00
2	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	2.9
3	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	99.0
4	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	4
5	2214-5145150	PAVEMENT SCARIFICATION	SY	302.2
6	2303-0001000	HOT MIX ASPHALT MIXTURE, WEDGE, LEVELING OR STRENGTHENING COURSE	TON	140.0
7	2303-0023500	HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 1/2 IN. MIX, NO SPCL FRIC REQ	TON	8,095.0
8	2303-0246422	ASPHALT BINDER, PG 64-22	TON	526.1
9	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1.00
10	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LABORATORY VOIDS (FORMULA - BY PAY FACTOR)	EACH	10,000
11	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FIELD VOIDS (FORMULA - BY PAY FACTOR)	EACH	13,000
12	2303-9091010	RUMBLE STRIP PANEL (HMA SURFACE)	EACH	2
13	2316-0000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	6,500
14	2527-9263100	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	404.65
15	2528-8445110	TRAFFIC CONTROL	LS	1.00
16	2528-8445113	FLAGGERS	EACH	See Proposal
17	2533-4980005	MOBILIZATION	LS	1.00
18	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	3.6

- GENERAL NOTES: OVERHAUL WILL NOT BE ALLOWED ON THIS PROJECT. CONTRACTOR SHALL PROVIDE 220 VOLT OUTLET FOR EMMET COUNTY LAB AT THE PLANT SITE, AND COORDINATE HOOK UP WITH ENGINEER.
- EARTH SHOULDERS SHALL BE CONSTRUCTED THE ENTIRE LENGTH OF THE PROJECT. CONTRACTOR SHALL PROVIDE ALL SHOULDERING MATERIAL FROM A BORROW OF THEIR CHOICE. APPROXIMATELY 2600 CY OF EARTH MAY BE NEEDED. SEE SHEET 4 FOR CROSS SECTION FOR SHOULDER PLACEMENT.
 - PRIOR TO PAVING, THE EDGE OF THE EXISTING PAVEMENT IS TO BE EXPOSED TO A DEPTH OF 2". THE EXPOSED SURFACE OF THE PAVEMENT SHALL BE CLEANED AND FREE OF VEGETATION TO ALLOW FOR THE PLACEMENT OF THE SAFETY EDGE. CONTRACTOR MAY BLADE MATERIAL INTO WINDROW. CUTS IN WINDROW WILL BE MADE AS NEEDED TO ALLOW FOR ROADWAY SURFACE DRAINAGE.
 - CONTRACTOR SHALL REMOVE 6" OF EXISTING MATERIAL AND PLACE AND COMPACT 6" OF HMA IN 2 LIFTS.
 - PRICE BID SHALL INCLUDE MILLING OF A.C.C. AT THE INTERSECTION OF HIGHWAY 15. 108' X 15' AND AT THE COUNTY LINE 50' X 22'. MILLED DEPTH 0" TO 2" MATERIAL SHALL BE LOADED ON TO COUNTY TRUCKS.
 - AN ADDITIONAL LEVELING COURSE SHALL BE CONSTRUCTED AT STATION 20+00, 25+80 AND 50+00 AT A RUMBLE STRIPS AHEAD OF THE PAVEMENT.
 - THE QUANTITY INCLUDES MATERIAL FOR 3.5 INCHES OF RESURFACING IN 2 LIFTS (2" & 1 1/2") INCLUDES AN ADDITIONAL 7% FOR IRREGULARITIES AND 230 TONS FOR FILLETS. OVERLAYS SHALL CORRECT EXCESSIVE CRACKING AND DISTORTIONS. FILLETS SHALL BE CONSTRUCTED AT DRIVES, FIELD ENTRANCES, SIDE ROADS AND MAILBOX TURNOUTS AS DIRECTED BY THE ENGINEER. QUALITY MANAGEMENT ASPHALT (QMA) IS REQUIRED. THE 300K HMA 1 1/2" MIX SHALL BE IN ACCORDANCE WITH SECTION 2303 OF IA DOT SPECIFICATION MIX DESIGN AND SHALL BE DONE USING THE GYRATORY METHOD. A DESIGN WEIGHT OF 145 POUNDS PER CUBIC FOOT WAS USED FOR DESIGN PURPOSES. A FULL WIDTH PAVEMENT MAY BE USED ON THE TOP LIFT. CONTRACTOR SHALL PROVIDE SMALL GRAVEL OR SOIL WEDGES AT ENTRANCES AND DRIVEWAYS TO PROVIDE ACCESS AS NEEDED BETWEEN THE FIRST AND SECOND LIFT AND AFTER THE SECOND LIFT. HOT MIX ASPHALT AS PLACED SHALL HAVE A MINIMUM FILM THICKNESS OF 9.5 MICRONS. PAVEMENT SMOOTHNESS SHALL APPLY IN ACCORDANCE WITH SECTION 2316. SAFETY EDGE IS REQUIRED.

- PG-64-22 ASPHALT CEMENT SHALL BE USED. A 6.5% AC CONTENT WAS USED FOR ESTIMATING PURPOSES ONLY.
- SAMPLES SHALL BE DELIVERED TO THE IOWA DEPARTMENT OF TRANSPORTATION MATERIALS LAB IN SIOUX CITY, IOWA, AS DIRECTED BY THE ENGINEER.
- RUMBLE STRIPS SHALL BE CUT IN THE HMA SURFACE AS STAKED BY COUNTY. METHOD OF MEASUREMENT SHALL BE ACTUAL COUNT OF RUMBLE STRIPS INSTALLED. BASIS OF PAYMENT SHALL BE PRICE BID PER RUMBLE STRIP INSTALLED. STANDARD ROAD PLAN PV-10 SHALL APPLY.
- SEE TABULATION ON SHEET 3. THE QUANTITY SHOWN FOR THE BROKEN CENTERLINE (TYPE 2) INCLUDES THE BROKEN LINE ADJACENT TO A SINGLE NO-PASSING LINE (TYPE 5). QUANTITIES ARE ESTIMATED; PAYMENT TO BE MADE ON FIELD MEASUREMENTS.
- TRAFFIC CONTROL DEVICES, PROCEDURES, LAYOUTS, SIGNING, AND PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AS ADOPTED BY THE DEPARTMENT PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC) CHAPTER 130. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED UNTIL ROAD HAS BEEN PAINTED.
- FLAGGERS SHALL BE USED AT INTERSECTIONS DURING THE MILLING AND PAVING PROCESSES.
- AFTER SHOULDERING THE CONTRACTOR IS TO FERTILIZE. SEED AT ANY AND ALL AREAS DISTURBED DURING CONSTRUCTION. THIS SHALL BE INCLUDED IN THE PRICE BID FOR "SEED AND FERTILIZE RURAL".