

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: February 16, 2016
Date of Addendum: February 4, 2016

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
155	48-C048-075	HMA RESURFACING	IOWA	FM-C048(75)--55-48	16FEB155.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Make the following changes to the PLAN:

Change the ESTIMATE REFERENCE INFORMATION:

Item Code 2212-5070310 PATCHES, FULL-DEPTH REPAIR

Replace: 'Patches shall be full depth HMA repair. Estimated concrete depth is 6". Dowel bars are incidental to this item. Quantities are estimation only. Consult with Engineer.'

With: 'Patches shall be full depth HMA repair. Estimated concrete depth is 6". Quantities are estimation only. Consult with Engineer.'

Make the following changes to the PLAN ATTACHMENT SHEETS:

Replace SHEETS C.01 and C.02 with the attached SHEETS C.01 and C.02.

Add attached SHEET C.04

ESTIMATED PROJECT QUANTITIES						
No.	ITEM CODE	UNIT DESCRIPTION	UNIT	QUANTITY	AS-BUILT	
1	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	2,770		
2	2212-0475095	CLEAN & PREPARATION OF BASE	MILES	2.909		
3	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	1,200		
4	2212-5070330	PATCHES BY COUNT	EACH	113		
5	2213-2713300	EXCAVATION, CLASS 13 FOR WIDENING	CY	345		
6	2213-8201040	BASE WIDENING, 4 IN. HMA MIXTURE	SY	3,091		
7	2214-5145150	PAVEMENT SCARIFICATION	SY	4,780		
8	2303-0002380	HMA MIXTURE INTERLAYER BASE COURSE $\frac{3}{8}$ IN. MIX	TON	2,405		
9	2303-0042750	HMA (3M ESAL) INTERMEDIATE COURSE, $\frac{3}{4}$ IN. MIX	TON	5,710		
10	2303-0043500	HMA (3M ESAL) SURFACE COURSE $\frac{1}{2}$ IN. MIX, NO FRIC REQ	TON	4,015		
11	2303-0245828	ASPHALT BINDER, PG 58-28	TONS	624.0		
12	2303-0246434	ASPHALT BINDER, PG 64-34	TONS	286.8		
13	2303-6811000	HOT MIX ASPHALT SAMPLES	LS	1		
14	2303-9091010	RUMBLE STRIP PANEL (HMA SURFACE)	EACH	2		
15	2315-8275025	SURFACE, DRIVEWAY, CLASS A CRUSHED STONE	TON	420		
16	2316-0000120	PAY ADJ. 1/D HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	9,828.5		
17	2527-9263109	PAINTED PAV'T MARK, WATERBORNE/SOLVENT	STA	533.49		
18	2528-8445110	TRAFFIC CONTROL	LS	1		
19	2528-8445113	FLAGGERS	EACH			
20	2528-8445115	PILOT CAR	EACH			
21	2533-4880005	MOBILIZATION	LS	1		

ESTIMATE REFERENCE INFORMATION		
ITEM No.	Item Code	Description
1	2121-7425020	Granular Shoulders, Type B Material and placement shall conform to specifications and gradation of Type "B" Granular Shoulders Specification 221. Base material shall be HMA. (12" Wide x 4" Deep). Bid Price to include furnishing and delivery of material; and also includes placing, rolling, final finishing of the shoulder and brooming of the roadway. Refer to Sheet B04 for details and stationing breakdown. Material density of 140 pcf was used to calculate tonnage. Granular shoulder excavated for pavement widening shall be reused as shoulder material if suitable. Brooming of the finished paved roadway upon completion shall apply to this item with NO additional payment.
2	2212-0475095	Clean & Preparation Shall be performed between each HMA lift. As per spec.
3	2212-5070310	Patches, Full-Depth Repair Patches shall be full depth HMA repair. Estimated concrete depth is 6". Quantities are estimation only. Consult with Engineer.
4	2212-5070330	Patches By Count Refer to plan sheet C04 for tabulation of patches. Quantities are estimation only. Consult with Engineer.
5	2213-2713300	Excavation, Cl 13, Widening Construction and equipment shall conform to specifications of Base Widening per Standard Specification 2213. Base material will be HMA. (12" Wide x 4" Deep). The Contractor shall ensure the base widening is the proper width and depth according to the contract documents, the proposed 12' lane width will be an absolute must. All material shall be reused as granular shoulder if suitable. Any unsuitable material shall become the property of the Contractor and shall be removed from the site. Refer to Sheet B03 for tabulation regarding the Base Widening.
6	2213-8201040	Base Widening, 4 in. HMA Mixture Widen base from Sta. 15+47 and 154+57. HMA Mixture (3M ESAL) Intermediate Course, $\frac{3}{4}$ Inch Mix shall be used. Base widening shall be 12" wide and 4 inches deep.
7	2214-5145150	Pavement Scarification All removed material shall become the property of the contractor and shall be removed from the project site. Pavement Scarification shall be 2.5" of PCC from Sta. 1+00 to Sta. 15+47. Pavement Scarification shall be 1.5" on PCC drives and at Sta. 15+47 and 154+57.

TABULATIONS

SHEET NO. C.01

PROJECT NUMBER: FM-C048(75) - 55-48

V-38 HMA RESURFACING

IOWA COUNTY

DRAWN BY: MPA
DATE: 09/14/2015

REVISED BY: MPA
DATE: 02/02/2016

ESTIMATE REFERENCE INFORMATION (CONTINUED)		
ITEM NO.	ITEM CODE	DESCRIPTION
8	2303-0002380	HMA (3M F5AL) Interlayer Base Course, 3" Inch Mix
9	2303-0042750	HMA (3M F5AL) Intermediate Course, 3" Inch Mix
10	2303-0043500	HMA (3M F5AL) Surface Course, 1/2 Inch Mix, No Friction (75% Crushed Particles)
11	2303-0245828	Asphalt Binder, PG 58-28
12	2303-0246434	Asphalt Binder, PG 64-34
13	2303-6911000	HMA Pav't Sample
Contractor shall be paid an incentive for smoothness on the Surface layer; based on Standard Spec. 2316.		
Intermediate Material is to be used on all side road construction. Refer to Sheets B.03.		
Construction of the HMA shall be in accordance with Section 2303 of the Standard Specifications. Design weight of 145 lbs. per cu. ft. Estimated project quantity includes an additional 8% for any cross section irregularities along the project.		
Refer to Sheet B.04 for beveled safety slope edge details.		
Refer to Sheet B.05 for tie-in header details.		
Bid price shall include full Quality Control, Quality Assurance, and Plant Inspection for all H.M.A. mix. All cost associated with the testing and inspection of the H.M.A. is to be considered incidental per Section 2303 of the current Iowa DOT Standard Specifications.		
Tack coats per Section 2303 shall be required between lifts. Not a bid item. Included with the applicable HMA material being placed.		
All cross slope corrections shall be made in the Intermediate Course.		
The Interlayer Base Course, Intermediate Course, and Surface Course shall be laid using a Shuttle Buggy.		
HMA Course Material include material for drivers and intersection. These areas were estimated as follows: Residential Drives (Inc. Cemetery): 6 drives @ 40' length x 4' wide x 5" Deep = Est. 37.6 Tons Farm Entrances: 9 drives @ 60' length x 4' wide x 5" Deep = Est. 79.9 Tons Commercial Entrances: 5 drives @ 40' length x 5' wide x 5" Deep = Est. 101.5 Tons Side Roads: Refer to Sheet B.03, B.04 = Est. 734.1 Tons		
Asphalt Binder for the Interlayer shall be 64-34. All other Asphalt Binder shall be PG 58-28. Quantities based on 8% by weight.		
PWL does not apply per the Developmental Specifications for Alternate Acceptance of HMA for Local System Projects. Applies to all courses.		
14	2303-9081010	Rumble Strip Panel (HMA Surface)
Refer to Standard Road Plan PV-10 regarding rumble strip details.		
Refer to Sheet C.03 for tabulation 112-7 regarding Rumble Strip Panels		
Refer to Sheet D.03 for location.		
15	2315-8275025	Surfacing, Driveway, Class A Crushed Stone
Granular surfacing shall consist of Class A crushed stone. Drive material may still need to be touched up after the testing is complete. Any All work shall be included with this bid item -- No additional payment will be considered for finishing or reshaping the drives following the HMA resurfacing. Includes granular surfacing for driveways, field entrances and side road intersections. These areas were estimated as follows: Unpaved Drives & Field Entrances: 15 @ 10 tons Gravel Side Roads and Commercial Drives: 9 @ 30 Tons Per Direction		
16	2318-0000120	Pay Adj. 1/D -- HMA Pavement Smoothness
Pavement Smoothness Specification Section 2316 is being used on this Project, the following incentive/disincentive estimates are being included: HMA Pavement Smoothness Incentive/Disincentive (each) = 0.24 x S.Y. of Surfee Mix		

DRAWN BY: MPA
DRAWING DATE: 09/14/2015

REVISED BY: MPA
DATE: 02/02/2016

IOWA COUNTY

V-38 HMA RESURFACING

PROJECT NUMBER: FM-C048(75) - 55-48

SHEET NO. C.02

ESTIMATE REFERENCE INFORMATION (CONTINUED)

ITEM NO.	ITEM CODE	DESCRIPTION
17	2527-9263109	Painted pavement Markings, Waterborne/Solvent Field verify. Locations and quantities are estimated. Actual locations and quantities are to be determined and provided by the Engineer during construction observation. Includes painting the stop bars at the intersection of V-38 and 190th Street. A two gun system shall be used on all pavement markings. Refer to Sheet C.03 for breakdown of paint quantities. Reference PM Standard Road Plans for pavement marking standards.
18	2528-8445110	Traffic Control Item per Standard Road plan TC-214, TC-282, TC-284 Situations. Item shall also include the bump signs required at all tie-in/core-out header locations. The signs shall be placed immediately prior to the pavement being removed and shall be left in place until the H.M.A. resurfacing is complete.
19	2528-8445113	Flagger Flaggers to be used as necessary during construction. Estimated
20	2528-8445115	Pilot Car As per Standard Spec.
21	2533-4980005	Mobilization As per Standard Spec.

STANDARD ROAD PLANS

The following Standard Road Plans shall be considered applicable to construction work on this project.

Number	Date	Title
PM-110	04-16-13	Line Types
PM-120	10-21-14	Stop Lines and Islands
PM-420	04-19-11	Two-Lane Roadway with no Turn Lanes One-Way Stop Cond.
PV-3	10-18-11	Safety Edge
PV-10	04-19-11	Rumble Strip Panel for Intersection Approach
TC-213	04-17-12	Lane Closure with Flaggers
TC-214	04-16-13	Lane Closure with Flaggers for use with Pilot Cars
TC-282	04-19-11	Uneven Lanes
TC-284	10-15-13	No Centerline Markings on Non-Primary Roadways

UTILITIES:

TELEPHONE (BURIED)	COOPERATIVE TELEPHONE	(319) 790-2044
RURAL WATER (BURIED)	POWESHEK WATER	(319) 647-3131
CABLE (BURIED)	COOPERATIVE CABLE TV	(319) 647-3131
GAS & ELECTRIC (BURIED)	ALLIANT ENERGY	(800) 255-4268
CABLE (BURIED)	IOWA NETWORK SERVICES	(800) 469-4000
UTILITIES (BURIED)	CITY OF VICTOR	(319) 647-3131
ELECTRIC (BURIED)	TIP RURAL ELECTRIC	(641) 522-9221
CABLE (BURIED)	UNITE PRIVATE NETWORK	(515) 321-3336
CABLE (BURIED)	IOWA COMMUNICATIONS NETWORK	(877) 426-4692
IOWA DOT	IDOT / WILLIAMSBURG	(319) 668-2397

TABULATIONS

FULL DEPTH PATCHES

REFER TO STANDARD ROAD PLANS PR-101, PR-102, PR-103, PR-104, AND PR-140.

LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION		
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