

CONTRACT

FA96 (Form 650019)
05-13

Letting Date: May 19, 2015 Contract ID: 78-C078-187 Bid Order No.: 162
County: POTTAWATTAMIE Project Engineer: POTTAWATTAMIE COUNTY ENGINEER
Cost Center: 801000 Object Code: 860 DBE Commitment \$0.00
Contract Work Type: HMA RESURFACING WITH MILLING

IOWA DOT PROJECT NO. 78-C078-187

This agreement made and entered by and between the BOARD OF SUPERVISORS OF POTTAWATTAMIE CO, IOWA, CONTRACTING AUTHORITY, AND WESTERN ENGINEERING CO., INC. OF HARLAN, IA, (WE540), CONTRACTOR

It is agreed that the notice and instructions to bidders, the proposal filed by the Contractor, the specifications, the plan, if any, for project(s) listed below, together with Contractor's performance bond, are made a part hereof and together with this instrument constitute the contract. This contract contains all of the terms and conditions agreed upon by the parties hereto. A true copy of said plan is now on file in the office of the Contracting Authority under date of 05/14/2015

PROJECT: FM-C078(186)--55-78 COUNTY: POTTAWATTAMIE
WORK TYPE: HMA RESURFACING WITH MILLING ACCOUNTING ID: 32614
ROUTE: G42 LENGTH (MILES): 3.5
LOCATION: G-42: FROM OAKLAND TO M16
NON-FEDERAL AID - PREDETERMINED WAGES ARE NOT IN EFFECT
PROJECT AMOUNT: \$2,265,011.43

PROJECT: FM-C078(187)--55-78 COUNTY: POTTAWATTAMIE
WORK TYPE: HMA RESURFACING WITH MILLING ACCOUNTING ID: 32615
ROUTE: M16 LENGTH (MILES): 5
LOCATION: M16: FROM G42 TO G30
NON-FEDERAL AID - PREDETERMINED WAGES ARE NOT IN EFFECT
PROJECT AMOUNT: \$3,027,316.13

The specifications consist of the Standard Specifications for Highway and Bridge Construction, Series 2012 of the Iowa Department of Transportation plus the following Supplemental Specifications, Special Provisions, and addendums: DS-12030, GS-12006, SP-124009, ADDENDUMS: 19MAY162.A01, 19MAY162.A02

Contractor, for and in considerations of \$5,292,327.56 payable as set forth in the specifications constituting a part of this contract, agrees to construct various items of work and/or provide various materials or supplies in accordance with the plans and specifications therefore, and in the locations designated in the Notice to Bidders.

Contractor certifies by signature on this contract, under pain of penalties for false certification, that the Contractor has complied with Iowa Code Section 452A.17(8) as amended, if applicable, and Iowa Code Section 91C.5 (Public Registration Number), if applicable.

In consideration of the foregoing, Contracting authority hereby agrees to pay the Contractor promptly and according to the requirements of the specifications the amounts set forth, subject to the conditions as set forth in the specifications.

It is further understood and agreed that the above work shall also be commenced or completed in accordance with Page 1B of this Contract and assigned Proposal Notes.

To accomplish the purpose herein expressed, the Contracting authority and Contractor have signed this and one other identical instrument.

For Federal-Aid contracts the Contractor certifies that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the contract.

By [Signature] Contractor
By [Signature] Contracting Authority
By [Signature] Contractor (if joint venture)
Contract Award Date 6/16/15
Iowa DOT Concurrence [Signature] 11M 2 2 2015

Letting Date: May 19, 2015 Contract ID: 78-C078-187

Bid Order No. : 162

It is further understood and agreed that the above work shall be commenced or completed in accordance with the following schedule:

SITE NUMBER	CONTRACT PERIOD /SITE DESCRIPTION	LIQUIDATED DAMAGES
	CONTRACT LATE START DATE 06/22/2015 95 WORKING DAYS	\$2,000.00

CONTRACT NOTES

CONTRACT SCHEDULE OF PRICES

Vendor No.: WE540 Bid Order No.: 162
 Contract ID No.: 78-C078-187 Letting Date: May 19, 2015
 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price Dollars Cts	Bid Amount Dollars Cts
SECTION 0001 ROADWAY ITEMS FM-C078(186)--55-78				
0010	2102-0425070 SPECIAL BACKFILL	125.500 TON	72.00000	9,036.00
0020	2102-2625000 EMBANKMENT-IN-PLACE	197.400 CY	24.00000	4,737.60
0030	2102-2713090 EXCAVATION, CLASS 13, WASTE	346.100 CY	23.00000	7,960.30
0040	2105-8425005 TOPSOIL, FURNISH AND SPREAD	64.100 CY	30.00000	1,923.00
0050	2115-0100000 MODIFIED SUBBASE	458.300 CY	59.00000	27,039.70
0060	2121-7425020 GRANULAR SHOULDERS, TYPE B	6,681.600 TON	18.00000	120,268.80
0070	2122-5190501 PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER PANEL FOR BRIDGE END DRAIN)	45.200 SY	200.00000	9,040.00
0080	2122-5500060 PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	2,416.000 SY	32.00000	77,312.00
0090	2123-7450000 SHOULDER CONSTRUCTION, EARTH	343.710 STA	30.00000	10,311.30
0100	2210-0475105 CHOKE STONE BASE	4,253.000 TON	12.00000	51,036.00

CONTRACT SCHEDULE OF PRICES

Vendor No.: WE540 Bid Order No.: 162
 Contract ID No.: 78-C078-187 Letting Date: May 19, 2015
 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price Dollars Cts	Bid Amount Dollars Cts
0110	2212-0475095 CLEANING AND PREPARATION OF BASE	3.000 MILE	250.00000	750.00
0120	2212-5070310 PATCHES, FULL-DEPTH REPAIR	977.800 SY	69.00000	67,468.20
0130	2212-5070330 PATCHES BY COUNT (REPAIR)	40.000 EACH	312.50000	12,500.00
0140	2214-5145150 PAVEMENT SCARIFICATION	38,774.100 SY	1.15000	44,590.22
0150	2217-1000000 RUBBLIZED PAVEMENT	38,884.100 SY	1.15000	44,716.72
0160	2301-0690202 BRIDGE APPROACH, BR-202	728.000 SY	196.00000	142,688.00
0170	2303-0021750 HOT MIX ASPHALT MIXTURE (300,000 ESAL), BASE COURSE, 3/4 IN. MIX	7,903.800 TON	38.50000	304,296.30
0180	2303-0023380 HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 3/8 IN. MIX, NO SPCL FRIC REQ	2,294.240 TON	38.50000	88,328.24
0190	2303-0023500 HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 1/2 IN. MIX, NO SPCL FRIC REQ	3,438.300 TON	38.00000	130,655.40
0200	2303-0246422 ASPHALT BINDER, PG 64-22	818.100 TON	460.00000	376,326.00

CONTRACT SCHEDULE OF PRICES

Vendor No.: WE540 Bid Order No.: 162
 Contract ID No.: 78-C078-187 Letting Date: May 19, 2015
 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
0210	2303-6911000 HOT MIX ASPHALT PAVEMENT SAMPLES	LUMP	LUMP			4,500.00
0220	2316-0000120 PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	9,992.000	1.00000		9,992.00
0230	2502-2301000 FIN DRAIN, AS PER PLAN	LF	32,575.000	6.40000		208,480.00
0240	2502-8221304 SUBDRAIN OUTLET, DR-304	EACH	135.000	230.00000		31,050.00
0250	2503-0500402 BRIDGE END DRAIN, DR-402	EACH	6.000	2,600.00000		15,600.00
0260	2505-4008120 REMOVAL OF STEEL BEAM GUARDRAIL	LF	214.500	5.00000		1,072.50
0270	2505-4008300 STEEL BEAM GUARDRAIL	LF	125.000	12.25000		1,531.25
0280	2505-4008400 STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	EACH	7.000	2,050.00000		14,350.00
0290	2505-4021010 STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	4.000	210.00000		840.00
0300	2505-4021700 STEEL BEAM GUARDRAIL END TERMINAL	EACH	7.000	2,050.00000		14,350.00
0310	2510-6745850 REMOVAL OF PAVEMENT	SY	3,143.900	9.25000		29,081.08

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Vendor No.: WE540 Bid Order No.: 162
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 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
0320	2518-6910000 SAFETY CLOSURE	7.000 EACH	155.00000		1,085.00	
0330	2527-9263109 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	523.260 STA	6.95000		3,636.66	
0340	2528-8445110 TRAFFIC CONTROL	LUMP	LUMP		14,500.00	
0350	2529-8174010 SUBBASE (PATCHES)	977.800 SY	12.61000		12,330.06	
0360	2529-8174050 PATCH SUBDRAIN	40.000 EACH	210.00000		8,400.00	
0370	2533-4980005 MOBILIZATION	LUMP	LUMP		93,500.00	
0380	2601-2634100 MULCHING	6.300 ACRE	700.00000		4,410.00	
0390	2601-2636043 SEEDING AND FERTILIZING (RURAL)	6.300 ACRE	1,540.00000		9,702.00	
0400	2601-2638352 SLOPE PROTECTION, WOOD EXCELSIOR MAT	109.000 SQ	15.40000		1,678.60	
0410	2601-2642100 STABILIZING CROP - SEEDING AND FERTILIZING	6.300 ACRE	510.00000		3,213.00	
0420	2601-2643110 WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	21.800 MGAL	60.00000		1,308.00	

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 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
0430	2601-2643300 MOBILIZATION FOR WATERING	3.000 EACH	350.00000		1,050.00	
0440	2602-0000312 PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	2,025.000 LF	4.78000		9,679.50	
0450	2602-0010010 MOBILIZATIONS, EROSION CONTROL	1.000 EACH	500.00000		500.00	
0460	2602-0010020 MOBILIZATIONS, EMERGENCY EROSION CONTROL	1.000 EACH	1,000.00000		1,000.00	
SECTION 0002 ITEMS FOR A 340'-0 X 90'-0 CONTINUOUS WELDED GIRDER BRIDGE FM-C078(186)--55-78						
0470	2401-6750001 REMOVALS, AS PER PLAN	LUMP	LUMP		36,000.00	
0480	2402-0425031 GRANULAR BACKFILL	204.000 TON	51.00000		10,404.00	
0490	2402-2720000 EXCAVATION, CLASS 20	121.000 CY	41.00000		4,961.00	
0500	2403-0100010 STRUCTURAL CONCRETE (BRIDGE)	53.100 CY	3,100.00000		164,610.00	
0510	2404-7775005 REINFORCING STEEL, EPOXY COATED	5,756.000 LB	2.00000		11,512.00	
0520	2408-7800000 STRUCTURAL STEEL	436.000 LB	22.25000		9,701.00	
SECTION 0003 ROADWAY ITEMS FM-C078(187)--55-78						

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 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
0530	2102-0425070 SPECIAL BACKFILL	65.900 TON	72.00000		4,744.80	
0540	2102-2625000 EMBANKMENT-IN-PLACE	119.800 CY	24.00000		2,875.20	
0550	2102-2713090 EXCAVATION, CLASS 13, WASTE	381.000 CY	23.00000		8,763.00	
0560	2105-8425005 TOPSOIL, FURNISH AND SPREAD	23.100 CY	30.00000		693.00	
0570	2115-0100000 MODIFIED SUBBASE	636.200 CY	59.00000		37,535.80	
0580	2121-7425020 GRANULAR SHOULDERS, TYPE B	21,727.150 TON	18.00000		391,088.70	
0590	2122-5190501 PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER PANEL FOR BRIDGE END DRAIN)	39.700 SY	195.00000		7,741.50	
0600	2122-5500060 PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	2,773.600 SY	32.00000		88,755.20	
0610	2123-7450000 SHOULDER CONSTRUCTION, EARTH	516.970 STA	20.00000		10,339.40	
0630	2210-0475105 CHOKE STONE BASE	6,619.800 TON	12.00000		79,437.60	
0640	2212-0475095 CLEANING AND PREPARATION OF BASE	4.670 MILE	250.00000		1,167.50	

CONTRACT SCHEDULE OF PRICES

Vendor No.: WE540 Bid Order No.: 162
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 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
0650	2212-5070310 PATCHES, FULL-DEPTH REPAIR	977.800 SY	69.00000		67,468.20	
0660	2212-5070330 PATCHES BY COUNT (REPAIR)	40.000 EACH	312.50000		12,500.00	
0670	2214-5145150 PAVEMENT SCARIFICATION	62,784.600 SY	1.15000		72,202.29	
0680	2217-1000000 RUBBLIZED PAVEMENT	60,951.200 SY	1.15000		70,093.88	
0690	2301-0690202 BRIDGE APPROACH, BR-202	320.000 SY	196.00000		62,720.00	
0700	2303-0021750 HOT MIX ASPHALT MIXTURE (300,000 ESAL), BASE COURSE, 3/4 IN. MIX	12,163.700 TON	38.50000		468,302.45	
0710	2303-0023380 HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 3/8 IN. MIX, NO SPCL FRIC REQ	3,523.200 TON	38.50000		135,643.20	
0720	2303-0023500 HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 1/2 IN. MIX, NO SPCL FRIC REQ	5,284.900 TON	38.00000		200,826.20	
0730	2303-0246422 ASPHALT BINDER, PG 64-22	1,258.300 TON	460.00000		578,818.00	
0740	2303-6911000 HOT MIX ASPHALT PAVEMENT SAMPLES	LUMP	LUMP		5,000.00	

CONTRACT SCHEDULE OF PRICES

Vendor No.: WE540 Bid Order No.: 162
 Contract ID No.: 78-C078-187 Letting Date: May 19, 2015
 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price Dollars Cts	Bid Amount Dollars Cts
0750	2303-9091010 RUMBLE STRIP PANEL (HMA SURFACE)	 2.000 EACH	 570.00000 	 1,140.00
0760	2316-0000120 PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	 15,340.000 EACH	 1.00000 	 15,340.00
0770	2502-2301000 FIN DRAIN, AS PER PLAN	 56,336.000 LF	 6.40000 	 360,550.40
0780	2502-8221304 SUBDRAIN OUTLET, DR-304	 222.000 EACH	 230.00000 	 51,060.00
0790	2503-0500402 BRIDGE END DRAIN, DR-402	 4.000 EACH	 2,600.00000 	 10,400.00
0800	2505-4008120 REMOVAL OF STEEL BEAM GUARDRAIL	 280.500 LF	 5.00000 	 1,402.50
0810	2505-4008300 STEEL BEAM GUARDRAIL	 75.000 LF	 12.25000 	 918.75
0820	2505-4008400 STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	 4.000 EACH	 2,050.00000 	 8,200.00
0830	2505-4021010 STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	 4.000 EACH	 210.00000 	 840.00
0840	2505-4021700 STEEL BEAM GUARDRAIL END TERMINAL	 4.000 EACH	 2,050.00000 	 8,200.00
0850	2510-6745850 REMOVAL OF PAVEMENT	 3,662.400 SY	 9.25000 	 33,877.20

CONTRACT SCHEDULE OF PRICES

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 Primary Work Type: HMA RESURFACING WITH MILLING 10:00 A.M.
 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
0860	2517-4225220 RAILROAD APPROACH SECTION, HMA	 26.900 SY	 375.00000		 10,087.50	
0870	2518-6910000 SAFETY CLOSURE	 4.000 EACH	 155.00000		 620.00	
0880	2527-9263109 PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	 831.080 STA	 6.95000		 5,776.01	
0890	2527-9263137 PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	 2.000 EACH	 155.00000		 310.00	
0900	2528-8445110 TRAFFIC CONTROL	 LUMP	 LUMP		 14,500.00	
0910	2529-8174010 SUBBASE (PATCHES)	 977.800 SY	 12.25000		 11,978.05	
0920	2529-8174050 PATCH SUBDRAIN	 40.000 EACH	 210.00000		 8,400.00	
0930	2533-4980005 MOBILIZATION	 LUMP	 LUMP		 88,500.00	
0940	2595-0005135 RAILROAD PROTECTIVE LIABILITY INSURANCE FOR IOWA INTERSTATE RAILROAD LTD.	 LUMP	 LUMP		 5,000.00	
0950	2601-2634100 MULCHING	 9.500 ACRE	 700.00000		 6,650.00	

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 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price Dollars Cts	Bid Amount Dollars Cts
0960	2601-2636043 SEEDING AND FERTILIZING (RURAL)	9.500 ACRE	1,540.00000	14,630.00
0970	2601-2638352 SLOPE PROTECTION, WOOD EXCELSIOR MAT	49.000 SQ	15.40000	754.60
0980	2601-2642100 STABILIZING CROP - SEEDING AND FERTILIZING	9.500 ACRE	510.00000	4,845.00
0990	2601-2643110 WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	9.800 MGAL	60.00000	588.00
1000	2601-2643300 MOBILIZATION FOR WATERING	3.000 EACH	350.00000	1,050.00
1010	2602-0000312 PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	1,156.000 LF	4.75000	5,491.00
1020	2602-0010010 MOBILIZATIONS, EROSION CONTROL	1.000 EACH	500.00000	500.00
1030	2602-0010020 MOBILIZATIONS, EMERGENCY EROSION CONTROL	1.000 EACH	1,000.00000	1,000.00
SECTION 0004 ITEMS FOR A 150'-0 X 28'-0 CONTINUOUS I-BEAM DRIDGE FM-C078(187)--55-78				
1040	2401-6750001 REMOVALS, AS PER PLAN	LUMP	LUMP	14,500.00
1050	2402-0425031 GRANULAR BACKFILL	110.000 TON	51.00000	5,610.00

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Vendor No.: WE540 Bid Order No.: 162
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 Primary County: POTTAWATTAMIE

Line No	Item Number Item Description	Item Quantity and Unit	Unit Price		Bid Amount	
			Dollars	Cts	Dollars	Cts
1060	2402-2720000 EXCAVATION, CLASS 20	65.200 CY	41.00000		2,673.20	
1070	2403-0100010 STRUCTURAL CONCRETE (BRIDGE)	7.000 CY	3,000.00000		21,000.00	
1080	2404-7775005 REINFORCING STEEL, EPOXY COATED	2,104.000 LB	2.00000		4,208.00	
TOTAL BID						5,292,327.56

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: May 19, 2015
Date of Addendum: May 7, 2015

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
162	78-C078-187	HMA RESURFACING WITH MILLING	POTTAWATTAMIE	FM-C078(186)--55-78 FM-C078(187)--55-78	19MAY162.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 ATTACHMENT SHEET for Project # FM-C078(186)--55-78:

Replace SHEET C.7 with the attached SHEET C.7 with changes to Tab 112-6.

BRIDGE APPROACH SECTION

Refer to the BR Series.

* Not a bid item

Bridge Station	Location		Approach Pavement					Subdrain								Remarks			
	End	Skew Ahead Degrees	Thickness Inches	Pay Length FT	Non-Reinf. Pavement Area SY	Single- Reinf. Pavement Area SY	Double- Reinf. Pavement Area SY	Fixed or Movable Abutment F or M	Standard Road Plan BR Series	Perforated Subdrain 4"			Subdrain Outlet		Porous Backfill CY		Class 'A' Crushed Stone Backfill CY	Modified Subbase TON	Polymer Grid SY
										LEFT	RIGHT	LF	STA	Side					
36+36.96	E		10.0	70.0	73.3	48.9	66.5	F	BR-202	26.0	34+04.79	LT	B.B	0.2	206.100	222.0	ABUTS PCC PAVE.		
36+36.96	W		10.0	60.0	48.9	48.9	65.8	F	BR-202	-	-	-	-	-	187.100	192.0			
78+87.14	E	30	10.0	60.0	48.9	48.9	96.1	M	BR-202	-	-	-	-	-	219.700	226.0			
78+87.14	W	30	10.0	60.0	48.9	48.9	84.0	M	BR-202	-	-	-	-	-	205.400	220.0			
TOTAL APPROACH PAVEMENT AREA (SY)					728.0														

ROLLED EROSION CONTROL

Refer to EC-101, EC-103 and EC-104

Road Identification	Location			Side	L FT	W FT	Turf Reinforcement Mat (TRM) (EC-104)				Slope Protection (EC-103) Squares	Special Ditch Control (EC-101) Squares	Remarks
	Begin Station	End Station	Type 1 Squares				Type 2 Squares	Type 3 Squares	Type 4 Squares				
										FT			
M-16	33+26.49	34+64.01	RT	138	9					13			
	33+37.66	34+64.00	LT	126	9					11			
	38+11.92	39+37.40	RT	125	13					17			
	38+11.44	39+50.71	LT	139	11					15			
	76+83.82	78+12.38	LT	129	13					16			
79+44.71	81+02.83	LT	158	15					24				
79+61.02	80+76.17	RT	115	11					13				
TOTAL										109			

REMOVAL OF STEEL BEAM GUARDRAIL

- ① Lane(s) to which the installation is adjacent.
- ② Includes length of End Terminals and End Anchors.

No.	Direction of Traffic	Location			Removal of Guardrail LF
		Station to Station	Side	LF	
EB		77+44.19	78+15.29	RT	71.8
EB		79+42.35	80+13.03	RT	71.3
WB		79+50.36	80+29.02	RT	71.4
TOTAL					214.4

SCOUR PROTECTION OR ROCK FLUME FOR BRIDGE END DRAIN

Refer to Standard Road Plan DR-401 or DR-402

Bridge Station	Bridge Corner	Distance DI-1 or DI-2 FT	Bid Items		PCC Paved Shoulder		Scour Protection (RF-39)		Rock Flume (RF-40)			Remarks	
			PCC Paved Shoulder SY	Bridge End Drain TYPE	Panels Required A B C or D	Polymer Grid SY	Modified Subbase TONS	Outlet or Channel Scour Protection SF	Turf Reinforced Mat (TRM), Type 2 SQ	Macadam Stone Base TONS	Engineering Fabric SY		Erosion Stone TONS
36+36.96	SE	31.0	8.6	DR-402	A	13.0	12.285	0.730	31.4	21.600			
36+36.96	NE	31.0	9.1	DR-402	A	13.5	12.758	0.730	43.2	29.700			
36+36.96	SW	31.0	8.4	DR-402	A	12.8	12.096	0.730	34.0	23.400			
36+36.96	NW	31.2	8.8	DR-402	A	13.3	12.569	0.730	30.1	20.700			
78+87.14	SE	29.3	10.3	DR-402	A	14.8	13.986	0.730	23.6	16.200			
78+87.14	NE	25.4	0.0	DR-402	-	-	-	0.730	-	-			
TOTAL			45.2			67.4	63.693	4.380	162.3	111.600			

Data 7 of 7

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: May 19, 2015
Date of Addendum: May 11, 2015

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
162	78-C078-187	HMA RESURFACING WITH MILLING	POTTAWATTAMIE	FM-C078(186)--55-78 FM-C078(187)--55-78	19MAY162.A02

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0580 2121- 7425020 GRANULAR SHOULDERS, TYPE B, AS
PER PLAN:

From: 10,027.100 TONS
To: 21,727.150 TONS

Delete Proposal Line No. 0620 2128-0000120 FURNISH AND APPLY GRANULAR
SHOULDER MATERIAL; 11,700.000 TONS

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

FM-CO78(186)--55-78

Add the following note to Sheet J.1, Tabulation 108-26A

The contractor will not be limited to scarifying only those segments of roadway which can be overlaid in a single day.

FM-C078(187)--55-78

Replace Sheet C.1 with the attached C.1

Make the following changes to the ESTIMATE REFERENCE INFORMATION

Delete Item Line No. 10 FURNISH AND APPLY GRANULAR SHOULDER MATERIAL;
THE CONTRACTOR SHALL UTILIZE THIS MATERIAL PRIOR TO HAULING VIRGIN
MATERIAL FROM OFF-SITE. STOCKPILED MATERIAL IS LOCATED IN THE SE
QUADRANT OF THE INTERSECTION OF G-30 AND M-16 NEAR STA. 733+50

Add the following note to Sheet J.1, Tabulation 108-26A

The contractor will not be limited to scarifying only those segments of roadway which can be overlaid in a single day.

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

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2102-0425070	SPECIAL BACKFILL	TON	65.92	
2	2102-2625000	EMBANKMENT-IN-PLACE	CY	119.86	
3	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY	381.03	
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	23.34	
5	2115-0100000	MODIFIED SUBBASE	CY	626.23	
6	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	21727.15	
7	2122-5190501	PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER FOR BRIDGE END DRAIN)	SY	39.7	
8	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	SY	2773.6	
9	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	516.97	
30	3038-0000330	FURNISH AND APPLY GRANULAR SHOULDER MATERIAL	TON	34790	
11	2210-0475105	CHOKO STONE BASE	TON	6619.85	
12	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	4.67	
13	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	977.8	
14	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	40	
15	2214-5145150	PAVEMENT SCARIFICATION	SY	62784.6	
16	2217-1000000	RUBBLIZED PAVEMENT	SY	60951.2	
17	2301-0690202	BRIDGE APPROACH, BR-202	SY	320	
18	2303-0021750	HOT MIX ASPHALT MIXTURE (300,000 ESAL), BASE COURSE, 3/4 IN. MIX	TON	12163.72	
19	2303-0023380	HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 3/8 IN. MIX, NO SPCL FRIC REQ	TON	3523.29	
20	2303-0023500	HOT MIX ASPHALT MIXTURE (300,000 ESAL), INTERMEDIATE OR SURFACE COURSE, 1/2 IN. MIX, NO SPCL FRIC REQ	TON	5284.93	
21	2303-0246422	ASPHALT BINDER, PG 64-22	TON	1258.32	
22	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1	
23	2303-9091010	RUMBLE STRIP PANEL (HMA SURFACE)	EACH	2	
24	2316-0000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	15340	
25	2502-2301000	FIN DRAIN, AS PER PLAN	LF	56330	
26	2502-8221304	SUBDRAIN OUTLET, DR-304	EACH	222	
27	2503-0500402	BRIDGE END DRAIN, DR-402	EACH	4	
28	2505-4000120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	288.5	
29	2505-4000300	STEEL BEAM GUARDRAIL	LF	75	
30	2505-4000400	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	EACH	4	
31	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	4	
32	2505-4021700	STEEL BEAM GUARDRAIL END TERMINAL	EACH	4	
33	2510-0745050	REMOVAL OF PAVEMENT	SY	3662.4	
34	2517-4225220	RAILROAD APPROACH SECTION, HMA	SY	26.9	
35	2518-0910000	SAFETY CLOSURE	EACH	4	
36	2527-9261000	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	831.00	
37	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	2	
38	2528-8445110	TRAFFIC CONTROL	LS	1	
39	2529-8174010	SUBBASE (PATCHES)	SY	977.8	
40	2529-8174050	PATCH SUBDRAIN	EACH	40	
41	2533-0000005	MOBILIZATION	LS	1	
42	2595-0005135	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR IOWA INTERSTATE RAILROAD LTD. SP-124009	ACRE	9.5	
43	2601-2634100	MULCHING	ACRE	9.5	
44	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	9.5	
45	2601-2638352	SLOPE PROTECTION, MOUND EXCELSIOR MAT	SQ	49	
46	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	9.5	
47	2601-2643110	WATERING FOR SOO, SPECIAL DITCH CONTROL OR SLOPE PROTECTION	MGAL	9.8	
48	2601-2643300	MOBILIZATION FOR WATERING	NGAL	3	
49	2602-0090312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	1156	
50	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1	
51	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	

SEE V SHEETS FOR ADDITIONAL BID ITEMS AND QUANTITIES

FILE NO. ENGLISH DESIGN TEAM Rasmussen \ hgm
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100-1A
07-15-97

PROJECT DESCRIPTION

This project includes the resurfacing of County Road M-16 in Pottawattamie Co. from Sta. 473+00 to Sta. 737+16.31. The top two inches of the existing pavement will be scarified followed by rubblizing of the underlying six inch PCC pavement. An average thickness of two inches of aggregate interlayer will be placed followed by a six inch Hot Mix Asphalt overlay. The aggregate interlayer will be utilized for profile correction. The granular shoulders will be dressed to a 4% cross-slope and raised to the new roadway elevation. Driveways and side roads will be dressed to meet the new roadway elevation. Guardrail will be updated at the bridge at Sta. 661+85.00. The bridge approaches and rail ends will also be replaced.

100-10
10-18-05

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2102-0425070	SPECIAL BACKFILL REFER TO TAB. 112-9 ON SHEETS C.9 AND C.10 FOR LOCATIONS. REFER TO TYPICAL 7156 ON SHEET B.5 FOR DETAILS OF CONSTRUCTION. DESIGN RATE FOR SPECIAL BACKFILL IS 140 PCF.
2	2102-2625000	EMBANKMENT-IN-PLACE REFER TO TAB. 107-23 MODIFIED ON SHEET C.8 FOR LOCATIONS. REFER TO STANDARD ROAD PLAN EM-301 FOR ADDITIONAL DETAILS OF EMBANKMENT AT GUARDRAIL. THE MATERIAL FOR EMBANKMENT-IN-PLACE SHALL BE SUPPLIED BY THE CONTRACTOR.
3	2102-2713090	EXCAVATION, CLASS 13, WASTE REFER TO TAB. 112-9 ON SHEETS C.9 AND C.10 AND TAB. 107-23 MODIFIED ON SHEET C.8 FOR LOCATIONS. ALL CLASS 13 WASTE WILL BE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE.
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD REFER TO TAB. 103-4 ON SHEET C5.1 FOR LOCATIONS. AVERAGE DEPTH OF TOPSOIL WILL BE SIX INCHES. METHOD OF MEASUREMENT FOR THIS ITEM WILL BE BY CY FOR FURNISHING AND SPREADING TOPSOIL AT LOCATIONS DESIGNATED IN THE CONTRACT DOCUMENTS. BASIS OF PAYMENT FOR THIS ITEM WILL BE FULL COMPENSATION FOR MATERIALS, TOOLS, EQUIPMENT AND LABOR NECESSARY FOR FURNISHING AND SPREADING TOPSOIL. OVERHAUL WILL NOT BE PAID FOR THIS ITEM.
5	2115-0100000	MODIFIED SUBBASE REFER TO TAB. 100-25 MODIFIED ON SHEET C.6 FOR LOCATIONS. REFER TO DETAIL 7308 MODIFIED ON SHEET B.7 FOR DETAILS OF CONSTRUCTION.
6	2121-7425020	GRANULAR SHOULDERS, TYPE B REFER TO TAB. 112-9 ON SHEETS C.9 AND C.10 FOR LOCATIONS. REFER TO DETAIL 7134 MODIFIED ON SHEET B.4 FOR DETAILS OF CONSTRUCTION. DESIGN RATE FOR GRANULAR SHOULDERS IS 140 PCF.
7	2122-5190501	PAVED SHOULDER, PORTLAND CEMENT CONCRETE (PAVED SHOULDER FOR BRIDGE END DRAIN) REFER TO TAB. 104-8A ON SHEET C.7 FOR LOCATIONS. REFER TO TAB. 100-27 ON SHEET C.5 FOR SMOOTHNESS AND TEXTURE. REFER TO STANDARD ROAD PLANS DR-402, PV-101, PV-102 AND BR-202 FOR DETAILS OF CONSTRUCTION.
8	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN. REFER TO TAB. 112-9 ON SHEETS C.9 AND C.10 FOR LOCATIONS. REFER TO TYPICALS 7156 ON SHEET B.5 AND 7148 MODIFIED ON SHEET B.6 FOR DETAILS OF CONSTRUCTION.
9	2123-7450000	SHOULDER CONSTRUCTION, EARTH REFER TO TAB. 112-9 ON SHEETS C.9 AND C.10 FOR LOCATIONS. REFER TO TYPICAL 7356 ON SHEET B.5 FOR ADDITIONAL DETAILS OF CONSTRUCTION.
30	3038-0000330	FURNISH AND APPLY GRANULAR SHOULDER MATERIAL THE CONTRACTOR SHALL UTILIZE THIS MATERIAL PRIOR TO MAINTAINING VIRGIN MATERIAL FROM OFF-SITE STOCKPILED MATERIAL IS LOCATED IN THE SE QUADRANT OF THE INTERSECTION OF C-30 AND M-36 NEAR STA. 733+00
11	2210-0475105	CHOKO STONE BASE REFER TO TAB. 100-25 MODIFIED ON SHEET C.6 FOR LOCATIONS. REFER TO DETAIL 2602 MODIFIED ON SHEET D.2 FOR DETAILS OF CONSTRUCTION. THE CONTRACTOR MAY USE HMA MILLINGS AS CHOKO STONE BASE MATERIAL. ANY HMA MILLINGS USED MUST MEET THE REQUIREMENTS OF SECTION 4122 IN THE STANDARD SPECIFICATIONS FOR CHOKO STONE COURSE. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE SCALE TICKETS OR USE A UNIFORM TRUCK SIZE AND WEIGHT FOR ANY RECYCLED MATERIAL USED. SCALE TICKETS WILL BE REQUIRED FOR ANY VIRGIN MATERIAL USED. AN ADDITIONAL 15% OF CHOKO STONE MATERIAL WAS ADDED TO THE BID QUANTITY TO ACCOUNT FOR IRREGULARITIES IN THE PROFILE.
12	2212-0475095	CLEANING AND PREPARATION OF BASE INCLUDES BOTH LANES OF COUNTY ROAD M16. DOES NOT INCLUDE BRIDGES, BRIDGE APPROACHES, RUNOUTS OR PROFILE CORRECTION LOCATIONS.

100-0A
10-29-02

POTTAWATTAMIE COUNTY PROJECT NUMBER FM-C078(187)--55-78 SHEET NUMBER C.1