A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: January 16,2013
Date of Addendum: January 8,2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
159	94-C094-099	HMA RESURFACING	WEBSTER	FM-C094(99)--55-94	16JAN159.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 change to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0040 2214-5145150 PAVEMENT SCARIFICATION:
From: 99,651.790SY
To: 99,605.620SY

If the above change is not made, they will be made as shown here.

Make the following changes to the plan:

On Sheet C2, in the Pavement Scarification Tabulation, the following should be changed:

Change Stop Station 1888+12.09 to 1887+92, Length 925.32 to 905.23, Square Yards 1079.54 to 1056.10

Change Start Station 1888+22.52 to 1888+42, Length 9573.48 to 9554.00, Square Yards 11169.06 to 11146.33

Change Total from 99651.79 SY to 99605.62 SY

Add the attached paving history pages to the plans:

Form 820937
3-86

cc: Materials
Dist. 1 Materials
Fort Dodge, RME

Iowa Department of Transportation
OFFICE OF MATERIALS
ASPHALT PAVING HISTORIES

Project Information

District 1 Year 1986
County Webster Project No. FN-20-3(42)--21-94 Road No. County Trunk P-59
Location/Descripton On County Trunk Sec. Rd. P-59 North of Coal-ville, North 3.7 Miles to Jct. U.S. Hwy. 20 Mile Post Not available
Contractor Fort Dodge Asphalt Type of Plant Barber Greene Batch
Type of Construction ACC Resurfacing Placed On Earth Subgrade
Type of Mix B Class 1 Size 3/4" Mix No. ABD6-33
Course Base (Widening) No. Lifts 2 Thickness 10"
Date Laid: From 6-26-86 To 8-16-86

Materials Supplied *(Note: Put Asphalt Cement Grade And % On First Line)*

Material	Percent	Source	Absorption	Abrasion	Freeze & Thaw
AC-10	6.50	Koch - Pine Bend, Minnesota			
3/4" Cr. Lmst.	55	Weavers SW-24-89-29 Webster		30	A-1 C-1
Sand	45	Automated Sand NW-14-89-29 Webster			

Gradation Control - Averages for the project

Size	Material					Job Mix *(target)*	Plant Cold Feed	Lab Extracted
	3/4"Cr. Lmst. GRAD	Sand GRAD	GRAD	GRAD	GRAD	GRAD	Average GRAD	Average GRAD
1"	100					100	100	100
¾"	98					99	100	100
½"	85					92	95	97
⅜"	70	100				84	87	90
4"	48	98				70	73	74
8"	34	85				57	59	61
16"	24	66				43	46	47
30"	18	33				25	27	29
50"	13	4.5				9.2	9.5	9.6
100"	10	1.5				6.2	5.4	5.9
200"	7.7	0.6				4.5	4.0	4.6

*Do not use plant Cold Feed Column on recycled mixes.

Mix Design Information

Stability 1447 Lab Density 2.326 Rice Voids 3.73 Film Thickness 12.27 AC % Design 6.5
Field Stability

Mix Test Data

	Average	Minimum	Maximum
Total AC Content	SEE		
Marshall Density	NOTE		
Lab Voids	BELOW		
Lab Solid Sp. Gr			
Field Density			
Field Voids			
F.B.R.			

Remarks:
This mix was started out at 6.25% AC as contractor was using the same mix on another job and original AC was lowered. See other side for field changes.

Richard F. Mumm
District Materials Engineer
Richard F. Mumm

Field Changes

Date: 5-15-86

Reason for Change: Change made to increase lab voids.

Location: Started project at this

Mix Information

Stability: _____ Average Lab Voids Before Change: _____ Original AC Content: 6.5 Adjusted AC Content: 6.25

Mix Test Data

	Tank	Average	Minimum	Maximum
Total AC Content	Stick	6.30	6.10	6.50
Marshall Density		2.30	2.24	2.34
Lab Voids		5.4	4.3	7.2
Lab Solid Sp. Gr		2.429	2.406	2.486
Field Density		98.3	96.8	100.3
Field Voids		7.1	5.4	8.8
F.B.R.		0.71	0.63	0.79

	Job Mix Orig.	Job Mix Rev.	Cold Feed Average	Extracted Average
1"				
¾"				
½"				
⅜"				
4"				
8"				
16"				
30"				
50"				
100"				
200"				

Remarks: _____

Date: 7-20-86 Adjusted _____

Reason for Change: AC change - Going back to original job mix AC content to lower voids
Aggregate Target Change - Changed because of apparent degradation.

Location: Various Areas

Mix Information

Field Stability: 1350* Average Lab Voids Before Change: 5.4 Previous AC Content: 6.25 Adjusted AC Content: 6.50

Mix Test Data

	Tank	Average	Minimum	Maximum
Total AC Content	Stick	6.43	6.29	6.51
Marshall Density		2.33	2.31	2.34
Lab Voids		4.4	3.8	6.2
Lab Solid Sp. Gr		2.433	2.420	2.464
Field Density		96.7	96.1	97.2
Field Voids		7.1	6.4	7.9
F.R.B.		0.80	0.63	1.04

	Job Mix Previous	Job Mix Rev.	Cold Feed Average	Extracted Average
1"	100	100	100	100
¾"	99	99	100	100
½"	92	92	95	96
⅜"	84	87	86	89
4"	70	70	72	73
8"	57	59	57	59
16"			43	46
30"	25	28	26	29
50"			9.5	10
100"			5.7	6.2
200"	4.5	4.5	4.2	5.0

Remarks: * Stability requirement waived on this project as this was widening being placed very deep.

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3-86

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OFFICE OF MATERIALS
ASPHALT PAVING HISTORIES

CC: Materials
District 1 Materials

Project Information Fort Dodge RME

District 1 Year 1986
County Webster Project No. FN-20-3(42)--21-94 Road No. County Trunk P-59
Location/Descripton On County trunk Sec. Rd. P-59 north of Coalville, North 3.7 miles to Jct. U.S. Hwy. 20 Mile Post N/A
Contractor Fort Dodge Asphalt Type of Plant Barber Greene Batch
Type of Construction ACC Resurfacing Placed On Existing ACC
Type of Mix A Class Size 3/4" Mix No. ABD6-24
Course Binder No. Lifts 1 Thickness 2 1/2"
Date Laid: From 7-14-86 To 8-9-86

Materials Supplied *(Note: Put Asphalt Cement Grade And % On First Line)*

Material	Percent	Source	Absorption	Abrasion	Freeze & Thaw
AC-10	6.0	Koch-Pine Bend, Minnesota			
3/4" Cr. Lmst.	60	Weaver SW-24-89-29 Webster		30	A-1 C-1
Sand	40	Automated Sand NW-14-89-29 Webster			

Gradation Control - Averages for the project

Size	Material					Job Mix *(target)*	Plant Cold Feed	Lab Extracted
	3/4" Cr. Lmst. GRAD	Sand GRAD	GRAD	GRAD	GRAD	GRAD	Average GRAD	Average GRAD
1"	100					100	100	100
¾"	98					99	100	100
½"	85					91	94	94
⅜"	70	100				82	85	87
4"	48	96				67	69	69
8"	34	82				53	55	56
16"	24	64				40	42	43
30"	18	39				26	28	30
50"	13	10				12	12	12
100"	10	1.7				6.7	6.4	6.7
200"	7.7	1.2				5.1	4.7	5.3

*Do not use plant Cold Feed Column on recycled mixes.

Mix Design Information

Stability 2,357 Lab Density 2.320 Rice Voids 3.99 Film Thickness 9.80 AC % Design 6.0
Field Stability 1,857

Mix Test Data

	Average	Minimum	Maximum
Total AC Content (tank stick)	6.01	5.88	6.19
Marshall Density	2.31	2.28	2.35
Lab Voids	4.8	3.2	5.7
Lab Solid Sp. Gr	2.422	2.395	2.435
Field Density	97.7	96.0	100.9
Field Voids	6.8	3.9	7.8
F.B.R.	0.87	0.66	1.07

Remarks:

Richard F. Mumm
District Materials Engineer
Richard F. Mumm

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cc:Materials
District 1 Materials
Fort Dodge RME

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ASPHALT PAVING HISTORIES

Project Information

District 1 Year 1986
County Webster Project No. FN-20-3(42)--21-94 Road No. County Trunk P-59
Location/Descripton On County Trunk Sec. Rd. P-59 North of Coal-ville, north 3.7 miles to Jct. U.S. Hwy. 20 Mile Post N/A
Contractor Fort Dodge Asphalt Type of Plant Barber Greene Batch
Type of Construction ACC resurfacing Placed On new ACC binder
Type of Mix A Class Size 1/2" Mix No. ABD6-38
Course Surface No. Lifts 1 Thickness 1 1/2"
Date Laid: From 8-13-86 To 8-28-86

Materials Supplied *(Note: Put Asphalt Cement Grade And % On First Line)*

Material	Percent	Source	Absorption	Abrasion	Freeze & Thaw
AC-10	6.50	Koch-Pine Bend, Minnesota			
1/2" Cr. Lmst.	60	Weaver SW-24-89-29 Webster	1.0	27	A-1 C-1
Sand	40	Automated Sand NW-14-89-29 Webster			

Gradation Control - Averages for the project

Size	Material					Job Mix *(target)*	Plant Cold Feed	Lab Extracted
	1/2" Cr. Lmst. GRAD	Sand GRAD	GRAD	GRAD	GRAD	GRAD	Average GRAD	Average GRAD
1"								
¾"	100					100	100	100
½"	99					99	100	100
⅜"	87	100				92	93	95
4"	154	96				71	75	75
8"	36	82				54	58	58
16"	24	64				40	45	45
30"	18	39				26	29	29
50"	13	10				12	12	12
100"	9.7	1.7				6.5	7.1	6.7
200"	7.0	1.2				4.7	5.1	5.1

*Do not use plant Cold Feed Column on recycled mixes.

Mix Design Information

Stability 2090 Lab Density 2.30 Rice Voids 3.69 Film Thickness 11.28 AC % Design 6.5
Field Stability 2187

Mix Test Data

	Average	Minimum	Maximum
Total AC Content (tank stick)	6.58	6.41	6.72
Marshall Density	2.33	2.31	2.36
Lab Voids	4.0	2.8	5.2
Lab Solid Sp. Gr	2.427	2.413	2.443
Field Density	95.8	94.5	97.3
Field Voids	7.6	6.1	10.4
F.B.R.	0.78	0.57	0.94

Remarks:

Richard F. Yemm
District Materials Engineer
Richard F. Yemm