

# A d d e n d u m

Iowa Department of Transportation

Date of Letting: June 17, 2014

Office of Contracts

Date of Addendum: May 21, 2014

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
201	00-000S-736	MILLED RUMBLE STRIPS	STATEWIDE	HSIPX-000-S(736)--3L-00	17JUN201.A01

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

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Make the following change to the PROPOSAL DETAILS, Page 2:

Change the CONTRACT PERIOD as follows:

From: LATE START DATE: 08/11/14

To: LATE START DATE: 07/21/14

From: WORKING DAYS: 50

To: WORKING DAYS: 70

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0010 2527-9263109 PAINTED PAVEMENT MARKING, WATERBOURNE OR SOLVENT-BASED:

From: 5,201.750 STA

To: 13,061.570 STA

Change Proposal Line No. 0060 2548-0000100 MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE:

From: 9,618.000 STA

To: 8,516.600 STA

Change Proposal Line No. 0070 2548-0000110 ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS):

From: 10,419.500 GAL

To: 9,226.300 GAL

Change Proposal Line No. 0080 2548-0000200 MILLED SHOULDER RUMBLE STRIPS, PCC SURFACE:

From: 1484.200 STA

To: 1717.100 STA

Change Proposal Line No. 0090 2548-0000310 MILLED CENTERLINE RUMBLE STRIPS,  
HMA SURFACE:

From: 2,517.000 STA

To: 2,242.440 STA

Change Proposal Line No. 0100 2548-0000320 MILLED CENTERLINE RUMBLE STRIPS,  
PCC SURFACE:

From: 625.700 STA

To: 858.600 STA

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

REPLACE plan sheets A.1, A.9, C.1, C.2 and C.3 with the attached plan sheets.

Sheet A.1 . Deletion required renumbering of A sheets.

Sheet C.1 Tab 100-1A Item 1 increased from 5201.75 sta. to 13061.57 sta.

Item 6 decreased from 9618 sta. to 8516.6 sta.

Item 7 decreased from 10419.5 gal. to 9226.3 gal.

Item 8 increased from 1484.2 sta. to 1717.1 sta..

Item 9 decreased from 2517 sta. to 2242.44 sta.

Item 10 increased from 625.7 sta. to 858.6 sta.

Sheet C.2 Tab 102-5 Deleted Lines 12, 17 and 18. No construction in these areas.

Tab 108-22 Delete IA 9 MP 06.38 to 18.96; no construction.

Change limits for from IA 9 MP 52.23 to 70.64 to IA 9 MP 52.23 to 59.61. Addition of HMA centerline rumble strips creates need for centerline pavement markings for this area.

Sheet C.3 Tab 112-10 Delete IA 9 MP 06.38 to 18.96; no HMA centerline rumble strip construction. Delete IA 9 MP 59.61 to 70.04; no Lt. or Rt. HMA shoulder rumble strip construction. Add line for HMA centerline rumble strip construction from IA 9 MP 52.23 to 59.61.

Make the following CHANGES to the plans:

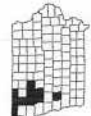
Sheet A.6 Delete this sheet. Proposed HMA CL rumble strips are removed due to poor HMA pavement quality

Sheet A.8 Remove lower map on sheet. Proposed HMA shoulder rumble strips are removed due to poor HMA pavement quality.

LETTING DATE  
June 17, 2014

MILLED RUMBLE STRIPS  
HSIPX-000-S(736)--3L-00

STATEWIDE



Highway Division  
PLANS OF PROPOSED IMPROVEMENT ON THE  
PRIMARY ROAD SYSTEM  
**STATEWIDE**  
MILLED RUMBLE STRIPS

VARIOUS LOCATIONS IN DISTRICT 3

SCALE: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Items. Refer to Article 1105.15 of the Specifications.

**NO MILEAGE SUMMARY**



INDEX OF SHEETS

105-3  
10-18-05

TITLE SHEET  
LOCATION MAPS  
ESTIMATE OF QUANTITIES AND GENERAL INFORMATION  
TRAFFIC CONTROL  
INFORMATIONAL SHEET

A.1  
A.2-A.9  
C.1-C.3  
J.1  
U.1

For Project Location Maps  
Refer to Sheets A.2 thru A.9  
Maps not to scale

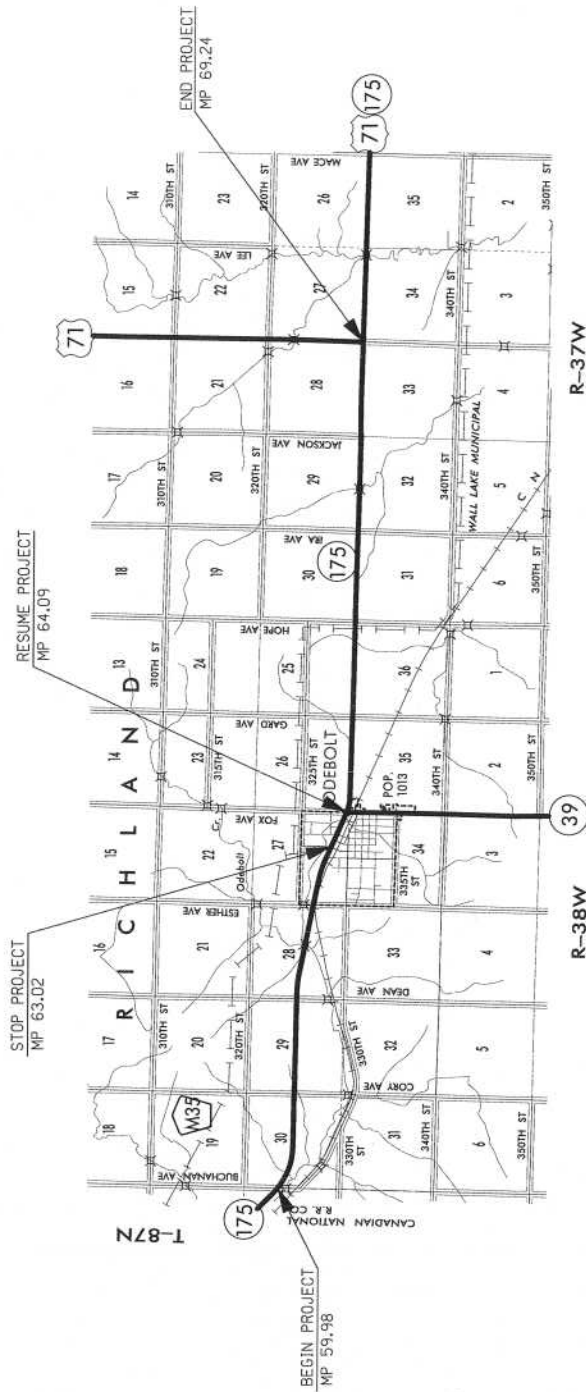
DESIGN DATA RURAL	
2014 ADOT	-- V.P.D.
2034 ADOT	-- V.P.D.
2034 DHV	-- V.P.H.
TRUCKS	-- %
Total	--
Design ES&LS	--

INDEX OF SEALS	
SHEET NO.	NAME
A.1	MARK L. WRIGHT
	Primary Signature Block
	TYPE

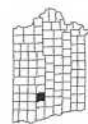


I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: MARK L. WRIGHT Date: \_\_\_\_\_  
Printed or typed name: \_\_\_\_\_  
My license renewal date is December 31, 2014  
Pages or sheets covered by this seal: \_\_\_\_\_



1A 175 SAC CO.			
DESIGN DATA RURAL			
2014 ADOT	2020 V.P.D.		
2034 ADOT	V.P.D.		
2034 DHV	V.P.H.		
TRUCKS	%		
Total			
Design ESALS			



ESTIMATED PROJECT QUANTITIES (1 DIVISION PROJECT)				
Item No.	Item Code	Item	Unit	As Built Qty.
1	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	13861.57
2	2528-8445110	TRAFFIC CONTROL	EACH	1
3	2528-8445113	FLAGGERS	EACH	See Proposal
4	2528-8445115	PILOT CARS	LS	See Proposal
5	2533-4980805	MOBILIZATION	LS	1
6	2548-0000200	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE	STA	8516.6
7	2548-0000200	MILLED SHOULDER RUMBLE STRIPS, PCC SURFACE	STA	9226.4
8	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE	STA	2277.1
9	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, PCC SURFACE	STA	2277.1
10	2548-0000320	MILLED CENTERLINE RUMBLE STRIPS, PCC SURFACE	STA	858.6

STANDARD ROAD PLANS				
Number	Date	Line Types	Title	
PM-110	04-15-11	04-15-11	Milled Shoulder Rumble Strips	
PV-12	04-17-12	04-17-12	Milled Centerline Rumble Strips	
TC-1	04-16-11	04-16-11	Work Not Affecting Traffic (Two-Lane or Multi-Lane)	
TC-202	10-15-13	10-15-13	Shoulder Closure (One Lane)	
TC-212	04-17-12	04-17-12	Lane Closure with Flaggers	
TC-214	04-16-11	04-16-11	Flaggers for use with Pilot Car	
TC-231	10-15-13	10-15-13	Slow Moving Vehicle Operating in the Traffic Lane	
TC-232	04-16-13	04-16-13	Shoulder Rumble Strip Operations	
TC-233	04-16-13	04-16-13	Pavement Marking Operations Two-Lane	

ESTIMATE REFERENCE INFORMATION		
Item No.	Item Code	Description
1	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED
2	2528-8445110	TRAFFIC CONTROL
3	2528-8445113	FLAGGERS
4	2528-8445115	PILOT CARS
5	2533-4980805	MOBILIZATION
6	2548-0000200	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE
7	2548-0000200	MILLED SHOULDER RUMBLE STRIPS, PCC SURFACE
8	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE
9	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, PCC SURFACE
10	2548-0000320	MILLED CENTERLINE RUMBLE STRIPS, PCC SURFACE

PROJECT DESCRIPTION	
This is a Statewide HMA and PCC milled shoulder rumble strip and centerline rumble strip project in various locations throughout District 3 in Northwest Iowa. Other work includes pavement markings.	
<div>UTILITIES</div> <div>(NOT A POINT 25 PROJECT)</div> <div>THIS IS NOT A POINT 25 PROJECT AND IS NOT SUBJECT TO THE PROVISIONS OF IAC 761-115-25.</div>	

## EXISTING PAVEMENT

No.	County	Route	Location		Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate		Reinforcement		Remarks
			Dir. of Travel	Milepost				Type	Depth IN	Type	Depth IN	Type	Depth IN	Type	Depth IN	Source	Type	Durability Class	Type	
1	71	US 18	B	61.86	2008	COMP	MSN-018-2(04)--2R-71	HMA	2								QUARTZ	2		
2	71	US 18	B	63.58	2010	COMP	MSN-018-2(103)--2R-71	HMA	2								QUARTZ	2		
3	60	US 18	B	63.58	2010	COMP	MSN-018-2(103)--2R-71	HMA	2								QUARTZ	2		
4	18/11	IA 3	B	66.36	2010	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	3		
5	83	US 59	B	73.42	2009	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	3		
6	83	US 59	B	73.42	2009	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	3		
7	47	US 59	B	117.59	2008	COMP	STPN-003-1(04)--2D-18	HMA	1.5								UNKNOWN	2		
8	84/60	US 75	B	146.79	2008	COMP	STPN-003-1(04)--2D-18	HMA	1.5								UNKNOWN	2		
9	60	US 75	B	163.21	2004	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
10	14	IA 141	B	77.91	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
11	14	IA 141	B	81.69	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
12	60/72	IA 9	B	81.69	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
13	72	IA 9	B	81.69	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
14	72	IA 9	B	81.69	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
15	72	IA 9	B	81.69	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
16	72	IA 9	B	81.69	2003	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
17	32	IA 4	B	42.25	2009	COMP	STPN-003-1(04)--2D-18	HMA	5.5								UNKNOWN	2		
18	84/71	IA 10	B	52.23	2008	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
19	97/75	IA 140	B	52.23	2008	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
20	27/34	IA 7	B	39.52	2008	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		
21	47	IA 175	B	44.51	2005	COMP	STPN-003-1(04)--2D-18	HMA	1.5								UNKNOWN	2		
22	47	IA 175	B	44.51	2005	COMP	STPN-003-1(04)--2D-18	HMA	1.5								UNKNOWN	2		
23	47	IA 175	B	44.51	2005	COMP	STPN-003-1(04)--2D-18	HMA	1.5								UNKNOWN	2		
24	47	IA 175	B	44.51	2005	COMP	STPN-003-1(04)--2D-18	HMA	1.5								UNKNOWN	2		
25	81/13	IA 175	B	86.93	2002	COMP	STPN-003-1(04)--2D-18	HMA	4.5								UNKNOWN	3		
26	67	IA 375	B	7.83	2008	COMP	STPN-003-1(04)--2D-18	HMA	2								UNKNOWN	2		

## PAVEMENT MARKING LINE TYPES

\*BCVA - Place on the same side of the roadway to match existing markings near the project.  
 \*\*NPV4 - For estimating. No Passing Zone Lines will be located in the field.  
 BCVA: Broken Centerline (Yellow) @ 0.25  
 ELV4: Edge Line Left (Yellow) @ 1.00

See PM-110

NPV4: No Passing Zone Line (Yellow) @ 1.25

ELV4: Broken Line Right (White) @ 0.25

ELV4: Edge Line Right (White) @ 1.00

Road ID	Milepost to Milepost	Dir. of Travel	Location	Marking Type	Side		BCVA*		DCVA		NPV4**		BLM4		ELV4		Length by Line Type (Unfactored)		Remarks	
					L	R	S	A	S	A	S	A	S	A	S	A	S	A	S	A
US 18	61.85	65.61	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 3	61.85	65.61	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
US 59	77.69	91.29	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 9	117.59	125.96	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 9	43.42	52.23	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 9	52.23	59.63	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 9	59.63	65.61	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 175	45.27	61.85	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA 175	61.85	65.61	Waterborne/Solvent Paint		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Factored Total: Waterborne/Solvent Paint																				
Old Quantity: Painted Pavement Markings, Waterborne or Solvent-Based																				
										452.47	1036.24	1227.23	13864.57							

112-10  
04-19-11

# MILLED RUMBLE STRIPS

See PV-12 and PV-13.

\* Calculated at 18" width for Shoulder.

Road Identification	Station to Station		Length		Type (Centerline, RT or LT Shoulder	Fog Seal* (Milled Rumble Strip) Shoulder GAL		Effective Shoulder Width			Remarks		
								PCC Paved		HMA Paved		Granular/ Earth	
								FT	FT	FT			FT
US 18	61.85	65.61	198.53	Right Shoulder	215.1	0.0	10.0	0.0	SEE PV-12				
US 18	61.85	65.61	198.53	Left Shoulder	215.1	0.0	10.0	0.0	SEE PV-12				
US 18	61.85	65.61	198.53	Centerline	0.0	0.0	0.0	0.0	SEE PV-13				
US 18	61.85	65.61	198.53	Right Shoulder	455.9	0.0	2.0	0.0	4.0	SEE SHEET U-1			
US 18	61.85	65.61	198.53	Left Shoulder	455.9	0.0	2.0	0.0	4.0	SEE SHEET U-1			
US 18	61.85	65.61	198.53	Centerline	0.0	0.0	0.0	0.0	4.0	SEE SHEET U-1			
IA 3	66.60	81.59	791.47	Right Shoulder	857.4	0.0	2.0	0.0	8.0	SEE PV-12			
IA 3	66.60	81.59	791.47	Left Shoulder	857.4	0.0	2.0	0.0	8.0	SEE PV-12			
IA 3	66.60	81.59	791.47	Centerline	0.0	0.0	0.0	0.0	8.0	SEE PV-13			
US 59	66.60	81.59	791.47	Right Shoulder	777.3	0.0	2.0	0.0	8.0	SEE PV-12			
US 59	66.60	81.59	791.47	Left Shoulder	777.3	0.0	2.0	0.0	8.0	SEE PV-12			
US 59	66.60	81.59	791.47	Centerline	0.0	0.0	0.0	0.0	8.0	SEE PV-12			
US 59	66.60	81.59	791.47	Right Shoulder	478.8	0.0	2.0	0.0	6.0	SEE PV-12			
US 59	66.60	81.59	791.47	Left Shoulder	478.8	0.0	2.0	0.0	6.0	SEE PV-13			
US 59	66.60	81.59	791.47	Centerline	0.0	0.0	0.0	0.0	4.0	SEE PV-12			
IA 9	43.42	46.73	174.77	Right Shoulder	0.0	2.0	0.0	0.0	4.0	SEE PV-12			
IA 9	43.42	46.73	174.77	Left Shoulder	0.0	2.0	0.0	0.0	4.0	SEE PV-12			
IA 9	43.42	46.73	174.77	Centerline	0.0	0.0	0.0	0.0	5.0	SEE PV-13			
IA 9	46.73	52.23	290.40	Right Shoulder	0.0	2.0	0.0	0.0	5.0	SEE PV-12			
IA 9	46.73	52.23	290.40	Left Shoulder	0.0	2.0	0.0	0.0	5.0	SEE PV-12			
IA 9	46.73	52.23	290.40	Centerline	0.0	2.0	0.0	0.0	5.0	SEE PV-13			
IA 9	52.23	59.61	389.66	Right Shoulder	422.1	0.0	2.0	0.0	4.0	SEE SHEET U-1			
IA 9	52.23	59.61	389.66	Left Shoulder	422.1	0.0	2.0	0.0	4.0	SEE SHEET U-1			
IA 9	52.23	59.61	389.66	Centerline	0.0	0.0	0.0	0.0	3.0	SEE SHEET U-1			
IA 7	20.68	45.27	1298.35	Right Shoulder	1406.5	0.0	2.0	0.0	8.0	SEE PV-12			
IA 7	20.68	45.27	1298.35	Left Shoulder	1406.5	0.0	2.0	0.0	8.0	SEE PV-12			
IA 7	20.68	45.27	1298.35	Centerline	0.0	0.0	0.0	0.0	8.0	SEE PV-13			
IA 175	59.98	63.62	1608.51	Right Shoulder	0.0	2.0	0.0	0.0	8.0	SEE PV-12			
IA 175	59.98	63.62	1608.51	Left Shoulder	0.0	2.0	0.0	0.0	8.0	SEE PV-12			
IA 175	59.98	63.62	1608.51	Centerline	0.0	0.0	0.0	0.0	8.0	SEE PV-12			
IA 175	64.08	68.49	232.85	Right Shoulder	0.0	2.0	0.0	0.0	8.0	SEE PV-12			
IA 175	64.08	68.49	232.85	Left Shoulder	0.0	2.0	0.0	0.0	8.0	SEE PV-12			
IA 175	64.08	68.49	232.85	Centerline	0.0	2.0	0.0	0.0	8.0	SEE PV-13			
TOTAL					2575.59	10759.06	9226.4						