

# A d d e n d u m

Iowa Department of Transportation  
Office of Contracts

Date of Letting: June 20, 2017  
Date of Addendum: May 18, 2017

<b>B.O.</b>	<b>Proposal ID</b>	<b>Proposal Work Type</b>	<b>County</b>	<b>Project Number</b>	<b>Addendum</b>
151	00-000S-918	HMA RESURFACING	STATEWIDE	TSF-000-S(918)--92-00	20JUN151A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0010 2214-5145150 PAVEMENT SCARIFICATION:

From: 1,411.400 SY  
To: 1,167.000 SY

Change Proposal Line No. 0020 2527-9263109 PAVEMENT MARKING, WATERBOURNE  
OR SOLVENT BASED

From: 412.060 STA  
To: 362.080 STA

Change Proposal Line No. 0030 2527-9263180 PAVEMENT MARKINGS REMOVED

From: 412.060 STA  
To: 362.080 STA

Change Proposal Line No. 0070 2599-9999018 ('SQUARE YARDS' ITEM) HIGH FRICTION  
SURFACE TREATMENT

From: 27,225.200 SY  
To: 24,152.600 SY

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

Replace C.1, C.2, & C.3 with the attached plan sheets. Deleted plan sheets D.4 & D.5.

- Remove Sheets D.4 and D.5 from the plan set. This changes the sheet count on Sheet A.1 from 16 to 14.
- Tab. 102-16, Sheet C.1: Remove 4 lines for work on R22.
- Tab. 100-25, Sheet C.2: Remove both lines for R22.
- Tab. 108-22, Sheet C.3: Remove both lines for R22.

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

100-0A  
10-28-97

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2214-5145150	PAVEMENT SCARIFICATION	SY	1167.00	
2	2527-9263109	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	362.08	
3	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	362.08	
4	2528-8445110	TRAFFIC CONTROL	LS	1.00	
5	2528-8445113	FLAGGER	EACH		
6	2533-4980005	MOBILIZATION	LS	1.00	
7	2599-9999018	HIGH FRICTION SURFACE TREATMENT	SY	24152.60	

**ESTIMATE REFERENCE INFORMATION**

100-4A  
10-29-02

Item No.	Item Code	Description
1	2214-5145150	PAVEMENT SCARIFICATION Refer to Tab. 102-16 for locations and additional information.
2	2527-9263109	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED
3	2527-9263180	PAVEMENT MARKINGS REMOVED Refer to Tab. 108-22 for locations and additional information.
4	2528-8445110	TRAFFIC CONTROL Refer to Sheet J.1 for traffic control information.
7	2599-9999018	HIGH FRICTION SURFACE TREATMENT Refer to Tab. 100-25 for locations and quantities. Also refer to D sheets and Special Provisions.

**NOTCHES AND RUNOUTS FOR RESURFACING**

102-16  
10-21-14

Refer to PR-201 and PR-202.

① Bid item. Applies only to Types 'N1' and 'N3' on PR-202. Refer to 100-25 for remaining values.

Location Station	Type of Notch or Runout	S		I		DI		L		M		Pavement Scarification ①	Remarks
		IN	IN	IN	IN	FT	IN	SY					
L20	Type 'N1'	0.5	0.0					25.0	0.5	61.1		South end	
	Type 'N1'	0.5	0.0					25.0	0.5	61.1		North end	
L35	Type 'N1'	0.5	0.0					25.0	0.5	66.7		South end	
	Type 'N1'	0.5	0.0					25.0	0.5	66.7		North end	
F65	Type 'N1'	0.5	0.0					25.0	0.5	66.7		West end	
	Type 'N1'	0.5	0.0					25.0	0.5	66.7		East end	
E29	Type 'N1'	0.5	0.0					25.0	0.5	61.1		South end	
	Type 'N1'	0.5	0.0					25.0	0.5	61.1		North end	
Iowa 5	Type 'N1'	0.5	0.0					25.0	0.5	66.7		South end	
	Type 'N1'	0.5	0.0					25.0	0.5	66.7		North end	
Iowa 137	Type 'N1'	0.5	0.0					25.0	0.5	66.7		West end	
	Type 'N1'	0.5	0.0					25.0	0.5	66.7		East end	
U.S. 6	Type 'N1'	0.5	0.0					25.0	0.5	66.7		West end	
	Type 'N1'	0.5	0.0					25.0	0.5	66.7		East end	
Y21	Type 'N1'	0.5	0.0					25.0	0.5	66.7		South end	
	Type 'N1'	0.5	0.0					25.0	0.5	66.7		North end	
Old Hwy Rd	Type 'N1'	0.5	0.0					25.0	0.5	61.1		West end	
	Type 'N1'	0.5	0.0					25.0	0.5	61.1		East end	

**PROJECT DESCRIPTION**

100-1D  
10-18-05

This project is for installing asphalt friction courses on various roadways throughout the state.

**STANDARD ROAD PLANS**

105-4  
10-18-11

The following Standard Road Plans apply to construction work on this project.

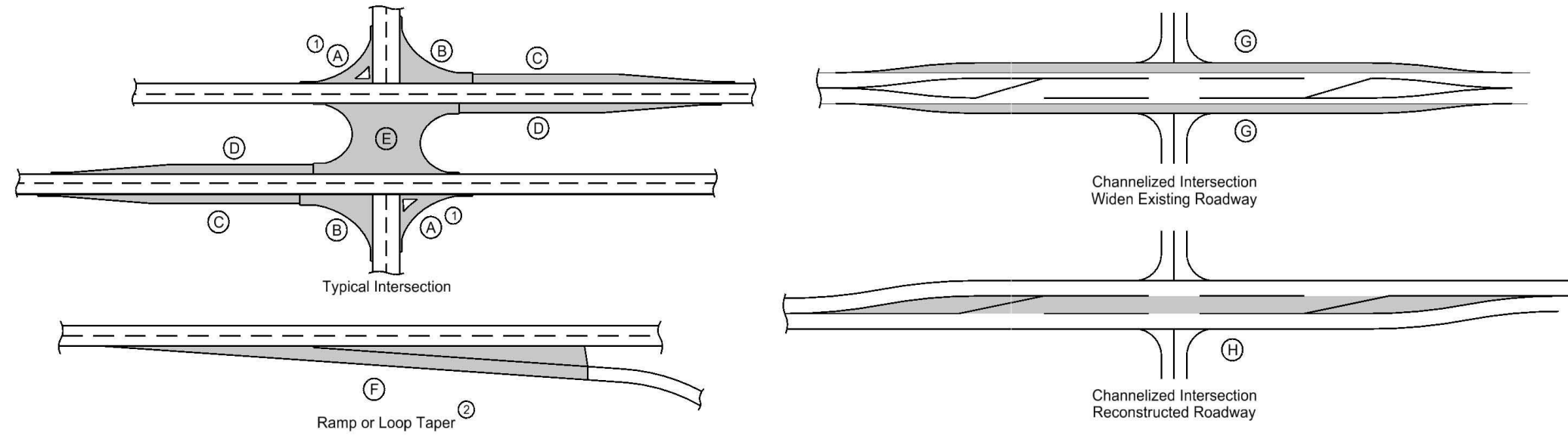
Number	Date	Title
PM-110	04-16-13	Line Types
PM-520	04-19-11	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PR-201	10-21-14	Runouts for Resurfacing
PR-202	10-21-14	Notches for Resurfacing (with or without Runout)
SI-881	10-18-16	Special Signs for Workzones
TC-1	04-16-13	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-21-15	Work Within 15 ft of Traveled Way
TC-213	04-17-12	Lane Closure with Flaggers
TC-233	04-18-17	Pavement Marking Operations Two-Lane

**HFST Curve Data**

HFST-1  
MODIFIED

County	Route	Curve Radius (feet)	Curve Length (feet)	Approach Speed (mph)	Advisory Speed (mph)	Runout Length (feet)	Remarks
Pottawattamie	L20	573.0	662.7	55	40	154.0	
Pottawattamie	L35	477.5	710.3	55	40	154.0	
Guthrie	F65	716.3	682.8	55	40	154.0	
Marshall	E29	370 (est)	581 (est)	55	30	230.0	
Marion	Iowa 5	1146.0	840.0	55	50	57.0	
Monroe	Iowa 137	1146.0	1089.8	55	50	57.0	
Johnson	U.S. 6	636.6	410.0	55	40	154.0	
Dubuque	Y21	955.0	1075.5	55	45	108.0	
Dubuque	Old Hwy Rd.	716.3	680.0	35 / 55	45	108.0	

Surface Treatment



- ① Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
- ② Refer to PV-410, PV-411, PV-412, and PV-414.
- ③ Quantity includes Pavement Header.

Calculations assume a surface course unit weight (lbs/cf) of 0, an intermediate course unit weight (lbs/cf) of 0, a base course unit weight (lbs/cf) of 0, and a special backfill unit weight (lbs/cf) of 140.

Location		Mainline			Area ③								Bid Items										Remarks			
Road Identification	Direction of Travel	Station to Station	Width	Length	Area	A ①	B	C	D	E	F ②	G	H	Hot Mix Asphalt Pavement				Binder			Special Backfill	Modified Subbase		Granular Subbase	Pavement Scarification	
														Surface	Intermediate	Base	Surface	Intermediate	Base	TONS						SY
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	TONS	SY	TONS	SY	TONS	SY	TONS	TONS		TONS	SY	SY
L20	BOTH		22.0	971.0	2373.6											2373.6										
L35	BOTH		29.0	1020.0	3286.7											3286.7										
F65	BOTH		24.0	991.0	2642.7											2642.7										
E29	BOTH		22.0	1041.0	2544.7											2544.7										
Iowa 5	BOTH		24.0	954.0	2544.0											2544.0										
Iowa 137	BOTH		24.0	1204.0	3210.7											3210.7										
U.S. 6	BOTH		24.0	718.0	1914.7											1914.7										
Y21	BOTH		24.0	1292.0	3445.3											3445.3										
Old Hwy Rd	BOTH		22.0	896.0	2190.2											2190.2										

### PAVEMENT MARKING LINE TYPES

See PM-110

\*\*\*MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

\*BCY4 - Place on the same side of the roadway to match existing markings near the project.

\*\*NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.

BCY4: Broken Centerline (Yellow) @ 0.25  
ELY4: Edge Line Left (Yellow) @ 1.00

DCY4: Double Centerline (Yellow) @ 2.00  
DLW4: Dotted Line (White) @ 0.33

NPY4: No Passing Zone Line (Yellow) @ 1.25  
SLW4: Solid Lane Line (White) @ 1.00

BLW4: Broken Lane Line (White) @ 0.25  
CHY8: Channelizing Line (Yellow) @ 2.00

ELW4: Edge Line Right (White) @ 1.00

Road ID	Station to Station	Dir. of Travel	Location			Length by Line Type (Unfactored)														Remarks					
			Marking Type	Side			BCY4*	DCY4	NPY4**	BLW4	ELW4	ELY4	DLW4	SLW4	CHY8										
				L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA		STA	STA	STA		
L20		BOTH	Waterborne/Solvent Paint	X	X	X		9.71				19.12													
		BOTH	Removal of Paint	X	X	X		9.71				19.12													
L35		BOTH	Waterborne/Solvent Paint	X	X	X		10.20				20.10													
		BOTH	Removal of Paint	X	X	X		10.20				20.10													
F65		BOTH	Waterborne/Solvent Paint	X	X	X		9.91				19.82													
		BOTH	Removal of Paint	X	X	X		9.91				19.82													
E29		BOTH	Waterborne/Solvent Paint	X	X	X		10.41				20.82													
		BOTH	Removal of Paint	X	X	X		10.41				20.82													
Iowa 5		BOTH	Waterborne/Solvent Paint	X	X	X		9.54				19.08													
		BOTH	Removal of Paint	X	X	X		9.54				19.08													
Iowa 137		BOTH	Waterborne/Solvent Paint	X	X	X		12.04				24.08													
		BOTH	Removal of Paint	X	X	X		12.04				24.08													
U.S. 6		BOTH	Waterborne/Solvent Paint	X	X	X		7.18				13.86													
		BOTH	Removal of Paint	X	X	X		7.18				13.86													
Y21		BOTH	Waterborne/Solvent Paint	X	X	X		12.92				25.84													
		BOTH	Removal of Paint	X	X	X		12.92				25.84													
Old Hwy Rd		BOTH	Waterborne/Solvent Paint	X	X	X		8.96				17.62													
		BOTH	Removal of Paint	X	X	X		8.96				17.62													
Factored Total: Waterborne/Solvent Paint							-	181.74	-	-	180.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Factored Total: Removal of Paint							-	181.74	-	-	180.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bid Quantity: Painted Pavement Markings, Waterborne or Solvent-Based												362.08													
Bid Quantity: Pavement Markings Removed												362.08													