Addendum

Iowa Department of Transportation

Office of Contracts

Date of Letting: May 17, 2016 Date of Addendum: May 4, 2016

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
156	25-1694-064	HMA RESURFACING WITH MILLING	DALLAS	NHSN-169-4(64)2R-25	17MAY156.A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0010 2102-0425070 SPECIAL BACKFILL: From: 2,552.200 TON To: 110.300 TON

Add Proposal Line No. 0025 2115-0100000 MODIFIED SUBBASE; 1,292.000 CY

Change Proposal Line No. 0060 2213-2713300 EXCAVATION, CLASS 13, FOR WIDENING: From: 1,089.700 CY To: 2,477.700 CY

Add Proposal Line No. 0065 2213-8200000 BASE WIDENING, HOT MIX ASPHALT MIXTURE, 868.000 TON

Change Proposal Line No. 0100 2303-0245828 ASPHALT BINDER, PG 58-28: From: 96.100 TON To: 143.700 TON

 Change Proposal Line No. 0110 2303-0247634 ASPHALT BINDER, PG 76-34:

 From:
 8.520 TON

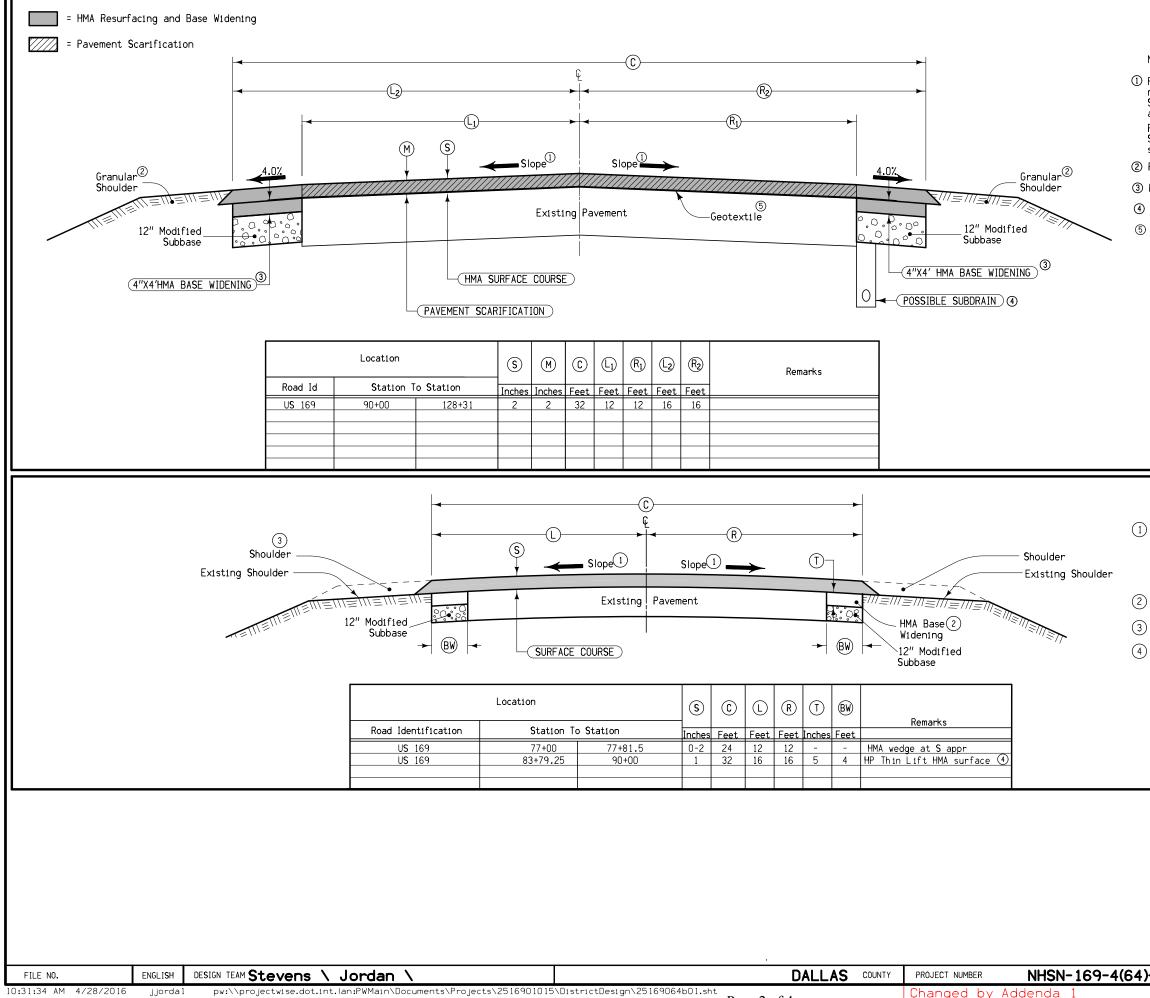
 To:
 7.300 TON

Add Proposal Line No. 0125 2310-8300550 PAVEMENT INTERLAYER GEOTEXTITLE; 12,770.000 SY

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

Make the following changes to the PLAN:

Replace plan SHEET NUMBER B.1, C.1, and C.3 with the attached.



		2602
		MODIFIED
	Notes:	
1	Finished slope shall match existing pavement except that maximum allowable slope is 3.0%, minimum allowable slope i Section may be modified as directed by the Engineer thro areas of special shaping.	s 2.0%.
	Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.	
2	Refer to Typ. 7135 and Tab. 112-9.	
3	Refer to Tab. 106-5	
4) Refer to Tab. 104-9	

(5) Refer to Tab. 106-7 and DS-15018

MODIFIED TYPICAL CROSS SECTION HMA RESURFACING WITH MILLING

2617 Modified

- $\fbox{(1)}$ Match finished slope to existing pavement, except that the maximum allowable slope is 3.0%, minimum allowable slope is 2.0%. Section may be modified as directed by the Engineer through areas of special shaping.
 - Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.
- (2) Base Widening quantities are not included with Resurfacing quantities, see Standard Road Plan PV-203 and Tab. 106-5 on Sheet C.3.
- (3) Refer to shoulder typicals.
- (4) Refer to Tab. 100-25 and DS-15037

MODIFIED TYPICAL CROSS SECTION HMA RESURFACING WITH BASE WIDENING

)2R-25	SHEET NUMBER	B.1	

100-1A 07-15-97

10-29-02

ESTIMATED PROJECT QUANTITIES (1 DIVISION PROJECT)

Item No.	Item Code	Item	Unit	Total	As Built Qty
1	2102-0425070	SPECIAL BACKFILL	TON	110.3	
2	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	500.0	
3	2115-0100000	MODIFIED SUBBASE	CY	1,292.0	
4	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	503.8	
5	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	SY	350.0	
6	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	0.1	
7	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	2,477.7	
8	2213-8200000	BASE WIDENING, HOT MIX ASPHALT MIXTURE	TON	868.6	
9	2214-5145150	PAVEMENT SCARIFICATION	SY	13,834.6	
10	2303-0003380	HOT MIX ASPHALT MIXTURE THIN LIFT SURFACE COURSE, 3/8 IN. MIX	TON	127.754	
11	2303-0033503	HOT MIX ASPHALT MIXTURE (1,000,000 ESAL), SURFACE COURSE, 1/2 IN.	TON	1,602.069	
		MIX, FRICTION L-3			
12	2303-0245828	ASPHALT BINDER, PG 58-28	TON	143.7	
13	2303-0247634	ASPHALT BINDER, PG 76-34	TON	7.300	
14	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1.00	
15	2310-8300550	PAVEMENT INTERLAYER GEOTEXTILE	SY	12,770.0	
16	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	4,640.0	
17	2502-8221304	SUBDRAIN OUTLET, DR-304	EACH	20	
18	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	275.0	
19	2505-4008300	STEEL BEAM GUARDRAIL	LF	200.0	
20	2505-4008400	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION	EACH	4	
21	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	4	
22	2505-4021720	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-205	EACH	4	
23	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	276.63	
24	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	4	
25	2528-8445110	TRAFFIC CONTROL	LS	1.00	
26	2528-8445113	FLAGGERS	EACH	See Proposal	
27	2528-8445115	PILOT CARS	EACH	See Proposal	
28	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	26.6	
29	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	2	
30	2529-8201000	JOINT ASSEMBLY, EF	EACH	2	
31	2533-4980005	MOBILIZATION	LS	1.00	

Item No.	Item Code	
-	-	-
13	2303-0247634	ASPHALT BINDER, PG 76-34
		Refer to Typical 2617 on Sheet B.1 and Tab. 100-
		of the Thin Lift Surface course.
-	-	-
14	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES
-	-	-
15	2310-8300550	PAVEMENT INTERLAYER GEOTEXTILE
		Refer to Tab. 106-7 on Sheet C.2.
-	-	-
16	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.
17	2502-8221304	SUBDRAIN OUTLET, DR-304
		Refer to Tab. 104-9 on Sheet C.2.
-	-	-
18	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL
		Refer to Tab 110-7A on Sheet C.4.
-	-	-
19	2505-4008300	STEEL BEAM GUARDRAIL
20	2505-4008400	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION
21	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED
22	2505-4021720	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-20
		Refer to Tab 108-8A on Sheet C.4.
-	-	-
23	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-
		Refer to Tab. 108-22 on Sheet C.4.
-	-	-
24	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVE
		Refer to Tab. 108-29 on Sheet C.4.
-	-	-
25	2528-8445110	TRAFFIC CONTROL
		Refer to Tab. 108-23A, Traffic Control Plan, on
26	2528-8445113	FLAGGERS
27	2528-8445115	PILOT CARS
28	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA
29	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT
30	2529-8201000	JOINT ASSEMBLY, EF
		Refer to Tab. 102-6C on Sheet C.5.
-	-	-
31	2533-4980005	MOBILIZATION
-	-	-

ESTIMATE REFERENCE INFORMATION

tem No.		Description		-	-
	Item Code	Description			
1	2102-0425070	SPECIAL BACKFILL			
-		Refer to Tab. 112-9 on Sheet C.5			PROJE
2	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	0 10 10		
-	2102 2025001	Grading for bridge approach guardrail installations. Refer to Tab. 107-23 on Sheet C.4. Material shall			of De Soto, mill the existing HMA sec placed widening units and overlay with
		be provided by the Contractor. Top 6 inches shall be free of granular material and suitable for seeding.			76-34 binder. Install 4 inch thick 4f
		Material available from the Class 13 excavation may be used if approved by the engineer.			ich HMA for a total thickness of 6 inc
-	-	-			al backfill each side overlaid with 1
3	2115-0100000				ce guardrails and paved shoulders at b
		Refer to Typicals 2602 and 2617 on Sheet B.1 and Tab. 106-5 on Sheet C.3.			rideability. Install subdrains along
-	-	-			
4	2121-7425020				
		Refer to Typical 7151 Modified on Sheet B.2 and Tab. 112-9 on Sheet C.5. Estimate is based			
		on a nominal thickness of 1.5 inches for entire project limits. Actual thickness may			STAND
		vary. Includes additional 10% for irregularities.			5 I ANL
- 5	- 2122-5500060	- PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.			The following Standard Road P
5	2122-5500000	Paved shoulder at bridge approach guardrails. Refer to Typical 7156 on Sheet B.2 and Tab. 112-9 on	Number	Date	
		Sheet C.5.	BA-200		teel Beam Guardrail Components
-			BA-201		teel Beam Guardrail Barrier Transitio
6	2212-0475095	CLEANING AND PREPARATION OF BASE	BA-202		teel Beam Guardrail Bolted End Anchor
<u> </u>		Clean and prepare the existing PCC pavement from approximate Sta. 83+79 to approximate	BA-205		Steel Beam Guardrail End Terminal
		Sta. 90+00 prior to application of tack coat and thin coat high performance HMA surface.	BA-250		Steel Beam Guardrail Installation at Co
-	-	-	DR-303 DR-304		Subdrains (Longitudinal)
7	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	EW-304		Dutlets for Longitudinal, Transverse a Guardrail Grading
		Refer to Tab. 106-5 on Sheet C.3 and Tab. 112-9 on Sheet C.5.	PM-110	04-16-13 L	
-	-	-	PM-110	04-10-15	Symbols and Legends
8	2213-8200000		PM-420	04-19-11	wo-Lane Roadway with no Turn Lanes (O
		Refer to Typicals 2602 and 2617 on Sheet B.1 and Tab 106-5 on Sheet C.3	PM-520		Wo-Lane Roadway with no Turn Lanes (T
-	-	-	PM-522		Wo-Lane Roadway with Left Turn Lanes
9	2214-5145150		PR-101		ull Depth Patch with 'EF' Joint in PC
		Refer to Typical 2206 on Sheet B.1 and Tab. 100-25 on Sheet C.3.	PR-103		ull Depth PCC Patch with Dowels
-	-	-	PR-202		Notches for Resurfacing (with or witho
10	2303-0003380		PV-101	04-19-16	
		See Typical 2617 on Sheet B.1 and Tab 100-25 on Sheet C.3. Quantity increased by 5% for irregularities. As per current Standard Specifications and Developmental Specification	PV-202		Hot Mix Asphalt Resurfacing
		for High Performance Thin Lift Overlay.	PV-203		HMA Base Widening
		-	SI-173		Object Markers
11	2303-0033503		SI-211		Object Marker and Delineator Placement
	2303 0033303	Refer to Tab. 100-25 on Sheet C.3. Includes additional 5% for irregularities.	TC-1		Nork Not Affecting Traffic (Two-Lane o
-	-		TC-202 TC-213		Nork Within 15 ft of Traveled Way
12	2303-0245828	ASPHALT BINDER, PG 58-28	TC-213		ane Closure with Flaggers ane Closure with Flaggers for use wit
		Estimated at a rate of 6%.	TC-214		ane Closure with Flaggers for use with Pavement Marking Operations Two-Lane

PROJECT DESCRIPTION

ty of De Soto, mill the existing HMA section, place 4' widening units on each side, place geotextile per DS-15018 over e placed widening units and overlay with 2 inches of HMA. In the PCC section (approx. 700ft) overlay with 1 inch of PG76-34 binder. Install 4 inch thick 4ft widening underlain by 12 inches of modified subbase on each side to be inch HMA for a total thickness of 6 inches in the composite section. Install 5 inch thick 4 foot widening underlain ial backfill each side overlaid with 1 inch of high performance thin lift HMA per DS-15037 for a total of 6 inches in date guardrails and paved shoulders at bridge location. Place a HMA wedge and repace EF joint on the south side of ve rideability. Install subdrains along the alignment as tabulated.

STANDARD RO The following Standard Road Plans apply to Steel Beam Guardrail Components Steel Beam Guardrail Barrier Transition Section Steel Beam Guardrail Bolted End Anchor Steel Beam Guardrail End Terminal Steel Beam Guardrail Installation at Concrete Barri Subdrains (Longitudinal) Outlets for Longitudinal, Transverse and Backslope Guardrail Grading Symbols and Legends Two-Lane Roadway with no Turn Lanes (One-Way Stop C Two-Lane Roadway with no Turn Lanes (Two-Way Stop C Two-Lane Roadway with Left Turn Lanes Full Depth Patch with 'EF' Joint in PCC Full Depth PCC Patch with Dowels Notches for Resurfacing (with or without Runout)

DALLAS	COUNTY	PROJECT	NUMBER	NHSN-169-4(64)
		Changed	By Addenda	a 1	

nged By Addenda 1

5/2/2016 9:19:24 AM jjorda1 c:\pw_work\pwmain\jjorda1\d0593226\25169064c02.xlsm

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Description

-25 on Sheet C.3. Estimated at 7% of the

-BASED

ENT-BASED

Sheet J.1.

100-1D 10-18-05

105-4 10-18-11

STANDARD ROAD PLANS
The following Standard Road Plans apply to construction work on this project.
Title
Steel Beam Guardrail Components
Steel Beam Guardrail Barrier Transition Section
Steel Beam Guardrail Bolted End Anchor
Steel Beam Guardrail End Terminal
Steel Beam Guardrail Installation at Concrete Barrier or Bridge End Post
Subdrains (Longitudinal)
Outlets for Longitudinal, Transverse and Backslope Subdrains
Guardrail Grading
Line Types
Symbols and Legends
Two-Lane Roadway with no Turn Lanes (One-Way Stop Condition)
Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
Two-Lane Roadway with Left Turn Lanes
Full Depth Patch with 'EF' Joint in PCC
Full Depth PCC Patch with Dowels
Notches for Resurfacing (with or without Runout)
Joints
Hot Mix Asphalt Resurfacing
HMA Base Widening
Object Markers
Object Marker and Delineator Placement with Guardrail
Work Not Affecting Traffic (Two-Lane or Multi-Lane)
Work Within 15 ft of Traveled Way
Lane Closure with Flaggers
Lane Closure with Flaggers for use with Pilot Car
Pavement Marking Operations Two-Lane
COUNTY PROJECT NUMBER NHSN-169-4(64)2R-25 SHEET NUMBER C.1

					HMA P	AVEMENT									100- 04-21-
) <u>————</u>		© 						© ©							
È <u>====</u>	B I A		<u> </u>				Channelized Inters Widen Existing Roa	ection Idway					not include raised i r to tabulation 112-4		
Calculations assume a surface course unit weight (1b	(F) Ramp or Loop Tape		weight (lbs/cf)	of 147. a base of	course unit v		Channelized Inters Reconstructed Roa	dway	unit weight (1b	s/cf) of 140.		-	r to PV-410, PV-411, tity includes Pavemen		14.
Road Identification	Width Length			D E		G H) Surfac	Hot Mix A	sphalt Pavement		id Items	Binder Bace ediate	Special Modifie Backfill Subbas	d Granular e Subbase A	carification Beamly
US 169 77+00.00 77+81.75 0 83+79.25 90+00.00 0 90+00.00 128+31.00	FT FT 24.0 81.8 32.0 620.8 32.0 3831.0	218.0 2207.1	SY SY SY	SY SY	SY SY	SY SY TOTA	TONS 24.03 121.67 1501.75 LS	SY TONS	SY T	ONS SY	TONS 1.44 7.30 90.11 98.85		NS TONS CY	213	SY 1 .3 1 21.3 34.6
		AREAS FOR PAN Refer to Star	EMENT OR							106-5 10-21-14			1. DS-	15037	
(1) Bid Item					 										
² Estimated for two applications to achieve lifts an Calculations assume a HMA unit weight (lbs/cf) of Station to Station Side Pavement Type Station to Station Side Pavement Type 83+79.00 85+25.00 Rt	h Width Thickr	HMA Base Widening Midening	e PCC Base Pave g Widening Wide	ment. Priming of a Tack Coat unit pcc Tack ement Ening and Lifts and GAL 6.49	Coat	Tack Coat As 2	e is not requir halt nder 1 DNS 3.60 41.	B Modified Subbase (1) CY	Remarks						
83+79:00 83+23:00 Rt HMA 140:0 87+08:00 90+00:00 Rt HMA 292:0 90+00:00 128+31:00 Rt HMA 3831:0 83+79:00 90+00:00 Lt HMA 621:0 90+00:00 128+31:00 Lt HMA 3831:0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7.0 119.96 6.0 1481.32 7.0 255.13 6.0 1481.32 ALS 3397.71		12.98 170.27 27.60 170.27	4.60 56.76 9.78 56.76	17.57 227.02 37.38 227.02	3.60 44. 7.20 82 88.88 1040 5.31 176 88.88 1040 33.86 2381	9 43.26 5 567.56 3 92.00 5 567.56							
-ILE NO. ENGLISH DESIGN TEAM Stev 2/2016 9:19:24 AM jjorda1 c:\pw_work\pwmain\jjorda1\d05			Ι			DA e 4 of 4	LAS COUNTY	PROJECT NUME Changed By A		L69-4(64)	2R-2	.5	SHEET NUMBER C	.3	

)2R-25	SHEET NUMBER	C.3	