

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: July 19, 2016
Date of Addendum: July 13, 2016

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
159	81-0716-050	HMA PAVED SHOULDER - NEW	SAC	HSIPX-071-6(50)--3L-81 HSIPX-071-6(51)--3L-81	19JUL159.A04

The following is due to errors in ADDENDUM.19JUL159.A02:

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0320 2121-7425020 GRANULAR SHOULDERS, TYPE B:
From: 4,356.300 TON
To: 6,534.400 TON

Change Proposal Line No. 0330 2122-5500060 PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.:
From: 47,027.200 SY
To: 46,807.400 SY

Change Proposal Line No. 0350 2213-2713300 EXCAVATION, CLASS 13, FOR WIDENING:
From: 7,671.300 CY
To: 4,043.600 CY

Change Proposal Line No. 0360 2214-7450050 BLADING AND SHAPING SHOULDER MATERIAL:
From: 1,058.200 STA
To: 1,040.300 STA

Make the following changes to the PLAN ATTACHMENT SHEETS for Project # HSIPX-071-6(51)--3L-81:

Replace SHEET B.1 with the attached SHEET B.1, make the following changes to Table 7135:

Change Granular Shoulder Rate:
From: 5.25 TONS
To: 6.28 TONS

[INCLUDED ON SHEETS WITH ADDENDUM.19JUL159.A02] On sheet C.1, make the following changes to the Estimated Project Quantities:

Change Item No. 3 Quantities:
From: 4,356.300 TON
To: 6,534.400 TON

Change Item No. 4 Quantities:
From: 47,027.200 SY
To: 46,807.400 SY

Change Item No. 6 Quantities:
From: 7,671.300 CY
To: 4,043.600 CY

Change Item No. 7 Quantities:
From: 1,058.200 STA
To: 1,040.300 STA

[INCLUDED ON SHEETS WITH ADDENDUM.19JUL159.A02] On sheet C.1, make the following changes to the ESTIMATE REFERENCE INFORMATION:

Include the Following Description to Item No. 3:
Add: 20% added for slope adjustment.

Include the Following Description to Item No. 7:
Add: At no additional cost, the Contractor may bring excavated shoulder material to Iowa DOT-Sac Maintenance Garage at 2903 W. Main Street Sac City, IA. 50583. Maintenance Supervisor: Scott Church, cell phone 515-290-4157.

[INCLUDED ON SHEETS WITH ADDENDUM.19JUL159.A02] On sheet C.2, make the following changes to the ESTIMATE REFERENCE INFORMATION:

Include the Following Description to Item No. 35:
Add: See Tab 100-17 on Sheet C.2.

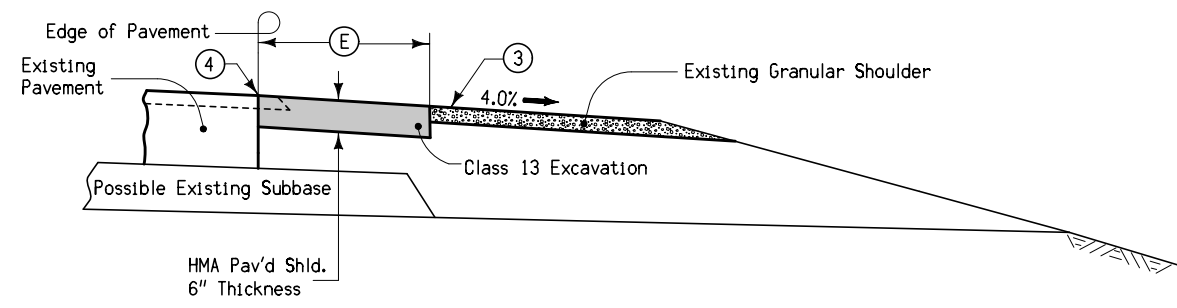
[INCLUDED ON SHEETS WITH ADDENDUM.19JUL159.A02] On sheet C.2, add the following:

Add: Tab 100-17 TABULATION OF SILT FENCES, in its entirety.

Replace SHEET C.5 with the attached SHEET C.5, make the following changes to Table 104-3:

Change Pipe Diameter:
From: -- IN
To: 30 IN

7152
Modified

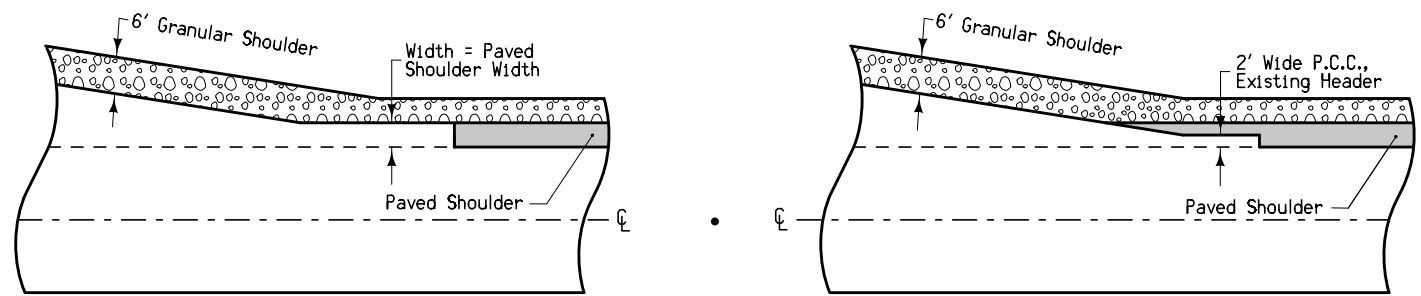


- ① Per side per station.
- ② Bid Items.
- ③ Blading and Shaping of Shoulder Material. Area consists of the top 3" of existing shoulder. Not included in Class 13 Excavation quantity.
- ④ Provide a vertical edge. Incidental to Class 13 Excavation.
- ⑤ Quantities are per location.

**TYPICAL SECTION
RETROFIT HOT MIX ASPHALT PAVED SHOULDER**

Location			E Feet	Quantities ①					Blade and Shape Shoulder Sta. ②	Remarks	
Road Identification	Station to Station	Side		Class 13 Excavation Cu.Yds. ②	Paved Shoulder Sq.Yds. ②	Hot Mix Asphalt Tons	Tack Coat Gals.	Asphalt Binder Tons			
US 71	1364+75	1372+46.02	NB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	15+16.40	191+82	NB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	196+50	405+00	NB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	408+95	434+62	NB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	105+00	7+65	NB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	7+65	6+00	NB	4	3.70	44.44	14.7	5.28	0.88	1.0	
IA 175 NW RADIUS	0	223	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	1364+21	1372+46.02	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	15+16.40	192+56	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	197+23	327+40	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	328+90	434+62	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	105+00	7+65	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	
US 71	7+65	6+00	SB	4	3.70	44.44	14.7	5.28	0.88	1.0	

7154A
10-20-09

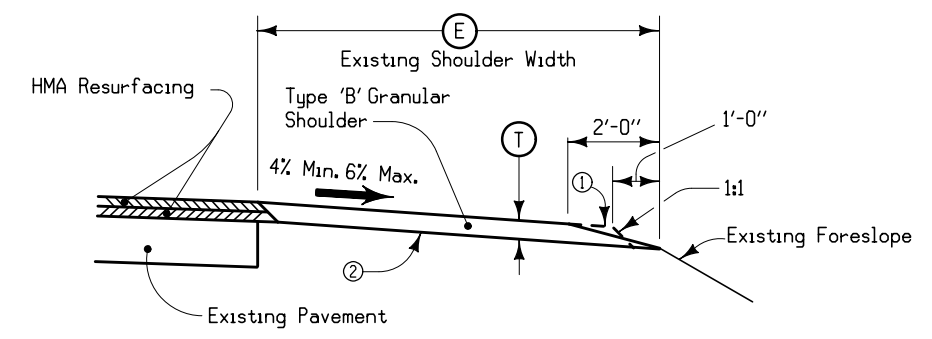


With Newly Constructed Turn Lanes

At UAC Turn Lanes

**PAVED SHOULDER
DETAIL AT
TURN LANES**

7135
Modified



- ① Place and compact material to the dashed lines; then blade and shape to foreslope that portion above the solid line in the outer 2' and roll with loaded truck tire.
- ② Existing shoulder surface to be shaped to a uniform cross slope prior to placing granular shoulder material. Shape to ensure the thickness of the granular shoulder material is not less than the thickness of the resurfacing.
- ③ Per side per station.

**TYPICAL SECTION
FOR TYPE 'B'
GRANULAR SHOULDER
ADJACENT TO HOT MIX ASPHALT
RESURFACING**

LOCATION			SIDE	T Inches	E Feet	TONS ③
ROAD IDENTIFICATION	STATION TO STATION					
US 71	1364+75	1372+46.02	NB	3.0	3.0	6.28
US 71	15+16.40	191+82	NB	3.0	3.0	6.28
US 71	196+50	405+00	NB	3.0	3.0	6.28
US 71	408+95	434+62	NB	3.0	3.0	6.28
US 71	105+00	7+65	NB	3.0	3.0	6.28
US 71	7+65	6+00	NB	3.0	3.0	6.28
IA 175 NW RADIUS	0	223	SB	3.0	3.0	6.28
US 71	1364+21	1372+46.02	SB	3.0	3.0	6.28
US 71	15+16.40	192+56	SB	3.0	3.0	6.28
US 71	197+23	327+40	SB	3.0	3.0	6.28
US 71	328+90	434+62	SB	3.0	3.0	6.28
US 71	105+00	7+65	SB	3.0	3.0	6.28
US 71	7+65	6+00	SB	3.0	3.0	6.28

SHOULDERS

- ① Lane(s) to which the shoulder is adjacent.
- ② Bid Item
- ③ Applies only for Paved Shoulders constructed on project with existing granular shoulders.
- ④ Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 140, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Road Identification	Direction Of Traffic	Location				Side	P Width FT	G Width FT	L Length FT	Class 13 Excavation CY ②	Hot Mix Asphalt TON	Binder TONS	Paved Shoulder SY ②	Reinforced Paved Shoulder SY ②	Quantities				Modified Subbase CY ②	Granular Shoulder		Earth Shoulder Construction Alternates			Remarks			
		Station to Station		Special Backfill											TON ②	TON/STA	Earth Shoulder Construction Alternates											
				HMA Alternate	PCC Alternate												STA ②	HMA CY ④		PCC CY ④								
		TON ②	TON/STA	TON ②	TON/STA										TON ②	TON/STA	TON ②	TON/STA										
US71	NB	191+82.00	193+41.00	RT				159.0	55.8			167.4			52.7								1.6					
US71	NB	195+40.00	196+50.00	RT				110.0	39.5			118.4			37.3									1.1				
US71	SB	192+56.00	193+64.00	LT				108.0	39.0			117.1			36.9									1.1				
US71	SB	195+63.00	197+23.00	LT				160.0	56.2			168.7			53.1									1.6				
									190.6			571.7			180.0								5.4					

LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE

Refer to Soils Sheets

- ① Refer to EW-203, EW-204, or EW-211.
- *Not a bid item

Line No.	Road or Lane Ident.	Location			Depth D	Longitudinal Subdrain (DR-303)						Subdrain Outlet		Porous* Backfill CY	Class "A"* Crushed Stone CY	Remarks			
		Station to Station	Side	Shoulder		Shoulder		Backslope		Bridge Berm ①		DR-303, DR-304, or DR-305							
						Size	Length	Size	Length	Size	Type	Length	Station				Standard Road Plan and Type		
						IN	FT	IN	FT	IN	FT	FT	FT				FT	FT	
1	NBL	47+00.00	42+20.00	RT	30.0	4.0	520.0								47+00.00	DR-304	32.1	0.2	
															42+20.00	DR-304			
2	NBL	42+00.00	37+00.00	RT	30.0	4.0	540.0								42+00.00	DR-304	33.3	0.2	
															37+00.00	DR-304			
3	NBL	37+00.00	32+00.00	RT	30.0	4.0	540.0								37+00.00	DR-304	33.3	0.2	
															32+00.00	DR-304			
4	NBL	32+00.00	27+00.00	RT	30.0	4.0	540.0								32+00.00	DR-304	33.3	0.2	
															27+00.00	DR-304			
5	NBL	27+00.00	22+00.00	RT	30.0	4.0	540.0								27+00.00	DR-304	33.3	0.2	
															22+00.00	DR-304			
6	NBL	21+00.00	17+00.00	RT	30.0	4.0	440.0								21+00.00	DR-304	27.2	0.2	
															17+00.00	DR-304			
7	NBL	17+00.00	12+00.00	RT	30.0	4.0	540.0								17+00.00	DR-304	33.3	0.2	
															12+00.00	DR-304			
8	NBL	12+00.00	8+40.00	RT	30.0	4.0	400.0								12+00.00	DR-304	24.7	0.2	
															8+40.00	DR-304			
TOTAL							4060.0								16.00				

DRAINAGE STRUCTURE BY ROAD CONTRACTOR

Length of unclassified pipe calculated is based on using Reinforced Concrete Pipe.

- * Not a bid item
- ① Diameter or equivalent diameter
- ② UNCL = Unclassified Pipe CMP = Corrugated Metal Pipe RCP = Reinforced Concrete Pipe LCP = Arch or Elliptical Low Clearance Pipe SARC = Steel Arch Pipe

Drainage Area ACRE	Location	Type	Size ①	Kind Of Pipe ②	Length New Const. LF	Bedding Class	Design Cover (H) FT	Camber* (DR-102) FT	Apron No. IN	Apron Guard* (DR-213) No.	Elbow* (DR-141) No.	Diaphragm* (DR-501) No.	Tee Section* (DR-142) No.	"D" Section* (DR-141) No.	Reducer*	Type 'C' Connections* (DR-122) No.	Connected Pipe Joint* (DR-121) Type	4" Perforated Subdrain*	Flow Line Elevations				Dimensions Lin. Ft.				Skew Ahead Degrees		Dike			Class 20 CY	Flowable Mortar CY	Floodable* Backfill CY (A)	Porous* Backfill CY (B)	Flooded Backfill CY (A+B)	Remarks			
																			Lt.	Rt.	Other	Other	Lt.	Rt.	Lt.	Rt.	Lt.	Rt.	Lt.	Rt.	Rt.							Location Station	Top Elevation	Type
																			Total		Extensions																			
	50+00.00		30	RCP	30				1	1								Type 3		UAC																				