A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: April 15, 2014
Date of Addendum: March 25, 2014

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
165	99-0034-042	HMA PAVEMENT WIDENING / HMA RESURFACING	WRIGHT	NHSX-003-3(51)--3H-46 NHSX-003-4(42)--3H-99 RM-1337(604)--9D-99	15APR165.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 changes to the PROPOSAL SCHEDULE OF PRICES:

Change Proposal Line No. 0010 2102-0425070 SPECIAL BACKFILL:
From: 351.500 TON
To: 319.900 TON

Change Proposal Line No. 0020 2102-2625000 EMBANKMENT-IN-PLACE:
From: 1,387.000 CY
To: 1,566.900 CY

Change Proposal Line No. 0030 2102-2710070 EXCAVATION, CLASS 10, ROADWAY AND BORROW:
From: 62.000 CY
To: 48.100 CY

Change Proposal Line No. 0040 2105-8425005 TOPSOIL, FURNISH AND SPREAD:
From: 2,408.700 CY
To: 1,816.000 CY

Change Proposal Line No. 0050 2121-7425020 GRANULAR SHOULDERS, TYP B:
From: 6,865.600 TON
To: 6,781.400 TON

Change Proposal Line No. 0060 2122-5500060 PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.:
From: 209.700 SY
To: 114.000 SY

Change Proposal Line No. 0120 2213-2713300 EXCAVATION, CLASS 13, FOR WIDENING:
From: 6,297.700 CY
To: 5,701.700 CY

Change Proposal Line No. 0140 2303-0041750 HOT MIX ASPHALT MIXTURE (3,000,000 ESAL), BASE COURSE, ¾ IN. MIX:
From: 9,973.500 TON
To: 10,663.900 TON

Change Proposal Line No. 0520 2505-4008300 STEEL BEAM GUARDRAIL:
From: 50.000 LF
To: 112.500 LF

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

Make the following change to the PROPOSAL SPECIAL PROVISIONS LIST and TEXT:

Add the following Special Provisions:

SP-120169 April 15, 2014
SPECIAL PROVISIONS FOR TEMPORARY PORTABLE RUMBLE STRIPS

Humboldt County NHSX-003-3(51)--3H-46

Make the following change to the PLAN Sheet C.4 for Project No. NHSX-003-3(51)--3H-46:

Tab. 105-4 STANDARD ROAD PLANS:

Delete TC-214 Dated 04-16-13

Make the following change to the PLAN Sheet C.13 for Project No. NHSX-003-3(51)--3H-46:

Replace Tab. 103-4 TABULATION OF SPREADING TOPSOIL with the attached Tab. 103-4 TABULATION OF SPREADING TOPSOIL.

Make the following change to the PLAN Sheet C.18 for Project No. NHSX-003-3(51)--3H-46:

Replace Tab. 107-23 GRADING FOR GUARDRAIL INSTALLATIONS with the attached Tab. 107-23 GRADING FOR GUARDRAIL INSTALLATIONS.

Replace Tab. 108-8B STEEL BEAM GUARDRAIL FOR SIDE OBSTACLE (TWO-WAY PROTECTION) with the attached Tab. 108-8B STEEL BEAM GUARDRAIL FOR SIDE OBSTACLE (TWO-WAY PROTECTION).

Replace Tab. 112-9 SHOULDERS with the attached Tab. 112-9 SHOULDERS.

Make the following change to the PLAN Sheet J.1 for Project No. NHSX-003-3(51)--3H-46:

Add the attached Modified TC-214 to PLAN Sheet J.1.

Iowa Department of Transportation

SPECIAL PROVIOSIONS
FOR
TEMPORARY PORTABLE RUMBLE STRIPS

Adair County
STPN-092-3(34)--2J-01

Fremont County
STPN-275-1(37)--2J-36

Howard County
NHSX-009-7(34)--3H-45

Humboldt County
NHSX-003-3(51)--3H-46

Mitchell County
STPN-218-9(133)--2J-66

Montgomery County
HSIPX-034-2(57)--3L-69

Plymouth County
STPN-140-2(17)--2J-75

Pocahontas County
NHSX-003-3(52)--3H-76

Pottawattamie County
STPN-092-1(69)--2J-78

Scott County
STPN-130-1(30)--2J-82

Sioux County
MP-010-3(707)27--76-84

Washington County
STPN-022-2(51)--2J-92

Effective Date
April 15, 2014

THE STANDARD SPECIFICATIONS, SERIES 2012, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

120169.01 DESCRIPTION.
Furnish, place, and maintain temporary portable rumble strips at locations specified in the contract documents.

120169.02 MATERIALS.
The RoadQuake, RoadQuake2 or Roadquake2F temporary portable rumble strip, by Plastic Safety Systems (PSS), shall be used at locations specified in the contract documents. Alternate products or methods must be preapproved by the Office of Traffic and Safety.

120169.03 CONSTRUCTION.

A. Placement.

1. A temporary portable rumble strip panel consists of three rumble strips placed transversely to traffic at a range of 8 to 10 foot, center to center, spacing.

2. Place one end of the rumble strip 6 inches from the roadway's centerline. Extend the rumble strip perpendicular to the direction of traffic such that both front tires of a vehicle will contact the rumble strip at the same time. The outside end of the rumble strip shall extend to within 1 foot of the outside edge line.

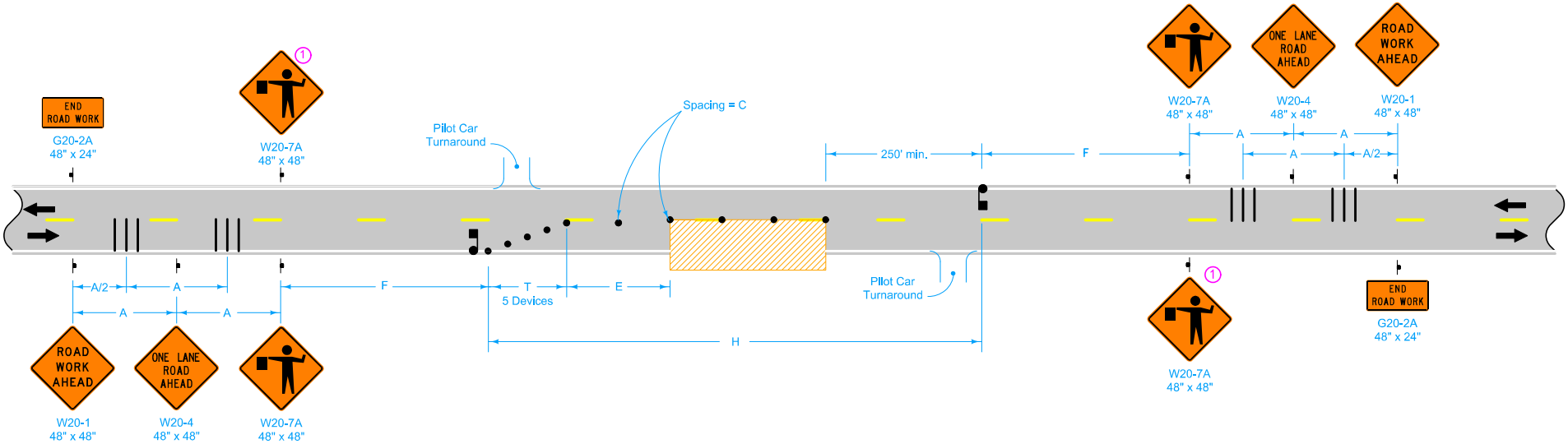
3. Locations of temporary portable rumble strip panels are designated on Standard Road Plan TC-214(Modified).

B. Maintenance.
If at any time during the work period, the rumple strips become out of alignment (skewed) by more than 6 inches measured from one end to the other, or the rumble strips are no longer in the wheel path of the approaching vehicles, correct the placement to comply with Article 120169.03, A.

C. Removal.
Remove the rumble strips at all times when Standard Road Plan TC-214(Modified) is not in use.

120169.04 METHOD OF MEASUREMENT.
All work associated with the placement, maintenance, and removal of temporary portable rumble strips will not be measured separately but will be included in the Traffic Control bid item.

120169.05 BASIS OF PAYMENT.
Payment for the temporary portable rumble strips will not be made separately, but will be included in the Traffic Control bid item.



LEGEND

- Traffic Sign
- Flagger
- 42" Channelizer
- Work Area
- Direction of Traffic
- Portable Rumble Strip Panel

SPEED LIMIT (mph)	ADT	A	C	E	F	H (2) max.	T
35 or less	up to 2,500	250'	40'	0'-200'	500'	2.5 mi.	50'
	2,500 - 5,000	250'	40'	0'-200'	500'	2.0 mi.	50'
	more than 5,000	500'	40'	0'-200'	1000'	1.5 mi.	50'
40 - 45	up to 2,500	350'	80'	0'-200'	700'	2.5 mi.	100'
	2,500 - 5,000	350'	80'	0'-200'	700'	2.0 mi.	100'
	more than 5,000	700'	80'	0'-200'	1400'	1.5 mi.	100'
50 or greater	up to 2,500	500'	160'	200'-300'	1000'	2.5 mi.	100'
	2,500 - 5,000	500'	160'	200'-300'	1000'	2.0 mi.	100'
	more than 5,000	1000'	160'	200'-300'	2000'	1.5 mi.	100'

(1) Sign optional for ADT less than 5,000.

(2) In rural areas, as work activity nears the downstream limits of dimension H, the lane closure may be extended up to 1.0 mile beyond the maximum distance, H, shown in the table. After the traffic control devices have been placed to extend the closure and after work activity has progressed, the advanced signing and devices at the beginning of the traffic control zone should be moved downstream so that the H distance is once again within the limits shown in the table. This one-mile extension will not be allowed during any peak traffic hours listed in the contract documents.

Possible Contract Items:
- Flagger
- Pilot Car
- Traffic Control

MODIFIED STANDARD ROAD PLAN

REVISION	
5	x

TC-214

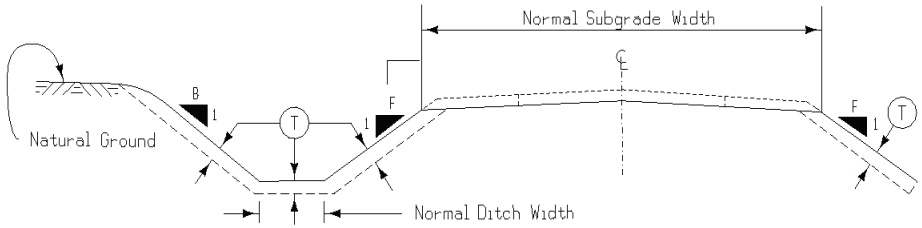
SHEET 1 of 1

MODIFICATIONS: Added Portable Rumble Strip Panel.

LANE CLOSURE WITH FLAGGERS AND RUMBLE STRIPS FOR USE WITH PILOT CAR

103-4
04-19-11

TABULATION OF SPREADING TOPSOIL



Perform this work according to Section 2105. Prior to placing topsoil on any cohesive soil, scarify the area to be covered to a minimum depth of 3 inches.

Appropriate adjustments have been made in the template quantities to reflect the placement of topsoil on foreslope, backslope and ditch bottom as detailed hereon.

Placement Description								Topsoil Excavation Available From		
Area	Quantity	Location		Side	Slope	(T)	Remarks	Amount Reserved	Station to Station	Remarks
No.	CY	Station to Station		L. or R.	B. or F.	IN		CY		
1	646.6	677+55.00	684+53.35	R	F	8.0	Turn lane	215.5		From stripping the fill area
2	143.0	411+98.10	415+25.20	L	F	8.0	Guardrail blister			From stripping the fill area
4	337.4	509+43.60	513+40.12	R	F	8.0	Turn lane	112.5		From stripping the fill area
TOTAL	1127.0							328.0		

107-23
10-18-11

GRADING FOR GUARDRAIL INSTALLATIONS

(1) Lane(s) to which the installation is adjacent.

Refer to EW-301

Location				Foreslope at Guardrail	Dimensions (Feet)									Earthwork		Remarks
No.	(1) Direction of Traffic	Station	Side		(X1)	(Y1)	(X2)	(Y2)	(X3)	(Y3)	(X4)	(Y4)	(Z)	Excavation Class 10	Embankment In Place	
														CY	CY	
1	WB	413+30.40	NW	3 to 1	25.0	5.0					78.3	9.0	54.0	19.5	125.4	
2	WB	413+30.40	NE	3 to 1	87.5	5.0					140.8	9.0	54.0	28.6	184.7	
		TOTAL												48.1	310.1	

108-8B
10-18-11

STEEL BEAM GUARDRAIL FOR SIDE OBSTACLE (TWO-WAY PROTECTION)

(1) Lane(s) to which the obstacle is adjacent.
(2) See Standards for list of materials.

Refer to BA-200, BA-201, BA-205, BA-206, BA-251, SI-172, SI-173, and SI-211

Location							Layout Lengths										Delineators and Object Markers					Bid Items (2)				
							Approach Side (A)				Trailing Side (T)						Delineator	Object Marker				End Terminal				
No.	Direction of Traffic (1)	Side O= Outside M= Median	Station	Offset	O_L	D_O	ET Terminal	$VT2_A$	VF_A	$VT1_A$	$VT1_T$	VF_T	$VT2_T$	ET Terminal	Culvert Spanning	Type	Type 1	Type 2	Type 3		Steel Beam Guardrail	Standard	Flared for Cable Connection	Adapter	Remarks
																	White		OM-3L	OM-3R					
					FT	FT	LF	LF	LF	LF	LF	LF	LF	LF			No.	No.	No.	No.	BA-200 LF	BA-205 No.	BA-206 No.	BA-210 No.	
1	WB	O	413+30.40	18' LT	8.0	6.0	50.0			87.50	25.00			50.0		5			1	1	112.5	2		1	
			TOTAL																		112.5	2		1	

112-9
Modified

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

Road Identification	Location: Direction of Traffic (1)	Station to Station		Side	BW Width	G Width	L Length	Quantities: Class 13 Excavation (3)	Hot Mix Asphalt Base		Binder	Paved Shoulder	Reinforced Paved Shoulder	Special Backfill: HMA Alternate		PCC Alternate		Modified Subbase	Granular Shoulder		Earth Shoulder Construction Alternates			Remarks
					FT	FT	FT	CY (2)	TON (2)	TON/STA	TONS (2)	SY (2)	SY (2)	TON (2)	TON/STA	TON	TON/STA	CY (2)	TON (2)	TON/STA	STA (2)	HMA CY (4)	PCC CY	
IA 3																									
Runout	B	630+88.00	632+63.00	B	4.0	4.0	175.0	15.1	25.4		1.5								61.3						
	B	632+63.00	670+90.00	B	4.0	4.0	3827.0	330.7	554.9		33.3								1339.5						
Runout	B	670+90.00	672+65.00	B	4.0	4.0	175.0	15.1	25.4		1.5								61.3						
Bridge																									
Runout	LT	677+55.00	679+30.00	LT	4.0	4.0	175.0	7.6	12.7		0.8								61.3						
	LT	679+30.00	684+70.00	LT	4.0	4.0	540.0	23.3	39.2										189.0						
Taper	RT	677+55.00	679+30.00	RT	4.0	4.0	175.0	34.0	12.7		0.8			42.9					61.3						
Turn Lane	RT	679+30.00	684+70.00	RT	4.0	4.0	540.0	105.0	39.2		2.3			132.3					189.0						
								0.0																	
	B	684+70.00	696+20.50	B	4.0	4.0	1150.5	99.4	166.8		10.0								402.7						
Equation																									
	B	157+02.80	158+40.00	B	4.0	4.0	137.2	11.9	19.9		1.2								48.0						
	B	158+40.00	304+12.00	B	4.0	0.0	14572.0	1259.3	2112.9		126.8								1020.0						
Equation																									
	B	300+00.00	412+32.20	B	4.0	0.0	11232.2	970.7	1628.7		97.7								786.3						
	LT	412+32.20	414+91.20	LT	4.0	0.0	259.0	38.4	18.8		1.1								9.1						
	LT	414+91.20	509+75.50	LT	4.0	0.0	9484.3	409.8	687.6		41.3								332.0						
	LT	509+75.70	513+57.50	LT	4.0	0.0	381.8	16.5	27.7		1.7								13.4						
	RT	412+32.20	509+75.50	RT	4.0	0.0	9743.3	421.0	706.4		42.4								341.0						
Taper	RT	509+75.70	510+95.70	RT	4.0	4.0	120.0	25.9	8.7		0.5			29.4					21.0						
Turn lane	RT	510+95.70	513+57.50	RT	4.0	4.0	261.8	56.6	19.0		1.1			64.1					45.8						
	B	513+57.50	722+80.90	B	4.0	0.0	20923.4	1808.2	3033.9		182.0								1464.6						
	B	722+80.90	724+55.90	B	4.0	0.0	175.0	15.1	25.4		1.5								12.3						
Guardrail Paving	LT	412+32.20	414+91.20	LT			259.0	38.1				114.2		36.0											
TOTAL								5701.8	9165.1		547.6	114.2		304.7					6458.5						