

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: May 21, 2013
Date of Addendum: May 16, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
108	33-0037-029	PCC OVERLAY - UNBONDED	FAYETTE	NHSX-003-7(29)--3H-33 MP-150-2(704)59--76-33	21MAY108.A03

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. 0230 2310-5151600 PORTLAND CEMENT CONCRETE OVERLAY, QM-C, FURNISH ONLY:

From: 28,388.000 CY

To: 28,380.000 CY

Change Proposal Line No. 0240 2310-5151620 PORTLAND CEMENT CONCRETE OVERLAY, QM-C, PLACEMENT ONLY (UNBONDED):

From: 154,844.000 SY

To: 154,787.100 SY

Add Section 0008 DESIGN NO. 0413; REPAIRS TO A 16'-0 X 44' CONCRETE SLAB BRIDGE NHSX-003-7(29)--3H-33

Add Proposal Line No. 1070 2413-0698074 DECK REPAIR, CLASS A; 30.000 SY

Add Proposal Line No. 1080 2533-4980005 MOBILIZATION; 1.000 LS

Add Section 0009 DESIGN NO. 0413; ALTERNATE 'BB' OPTION 1: CLASS O PCC BID THIS SECTION IF ALTERNATE 'BB' OPTION 1 IS CHOSEN (29)

Alt Group BB1

Add Proposal Line No. 1090 2413-0698066 DECK OVERLAY (CLASS O PCC); 94.000 SY

Add Section 0010 DESIGN NO. 0413; ALTERNATE 'BB' OPTION 2: CLASS HPC-O PCC BID THIS SECTION IF ALTERNATE 'BB' OPTION 2 IS CHOSEN (29)

Alt Group BB2

Add Proposal Line No. 1100 2413-0698067 DECK OVERLAY (CLASS HPC-O PCC); 94.000 SY

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

Make the following change to the Plan Sheet C.2 on Project No. NHSX-003-7(029)--3H-33:

Add the following note to the reference notes for the item 2413-0698066, DECK OVERLAY (CLASS O PCC) and item 2413-0698067, DECK OVERLAY (CLASS HPC-O PCC):

Deck overlay shall be used on the bridge at station 1097+54.5 and includes the cost of furnishing and placing concrete sealer on the deck, curb, and existing barrier rail. See Sheets V.7 and V.8 for additional information. Stationing is based on as-built bridge plans. Contractor to verify stationing.

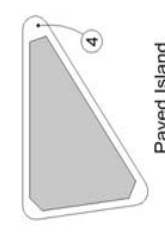
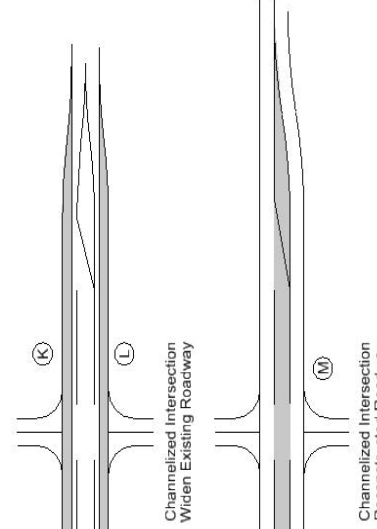
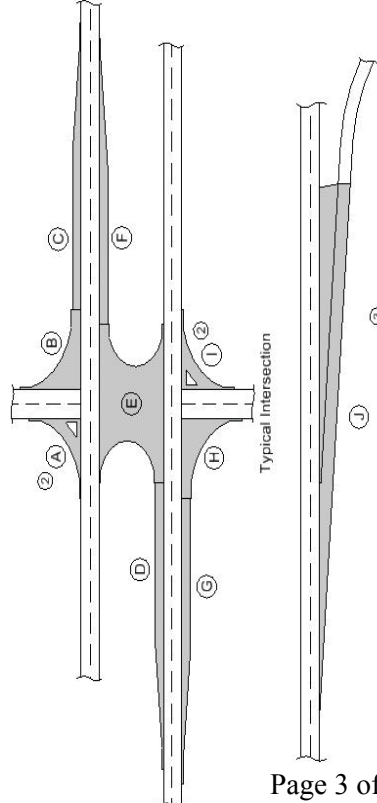
Make the following change to the Plan Sheet C.9 on Project No. NHSX-003-7(029)--3H-33:

Replace Tab. 100-24 TABULATION OF PAVEMENT with the attached Tab. 100-24 TABULATION OF PAVEMENT.

Make the following change to the Plans on Project No. NHSX-003-7(029)--3H-33:

Add the attached Plan Sheet V.7 and Plan Sheet V.8.

TABULATION OF PAVEMENT



Paved Island

- ① Quantity includes Pavement Header.
- ② Does not include Island area.
- ③ Refer to PV-410, PV-411, PV-412, and PV-414.
- ④ Curb area included in areas A and I. Refer to PV-020.

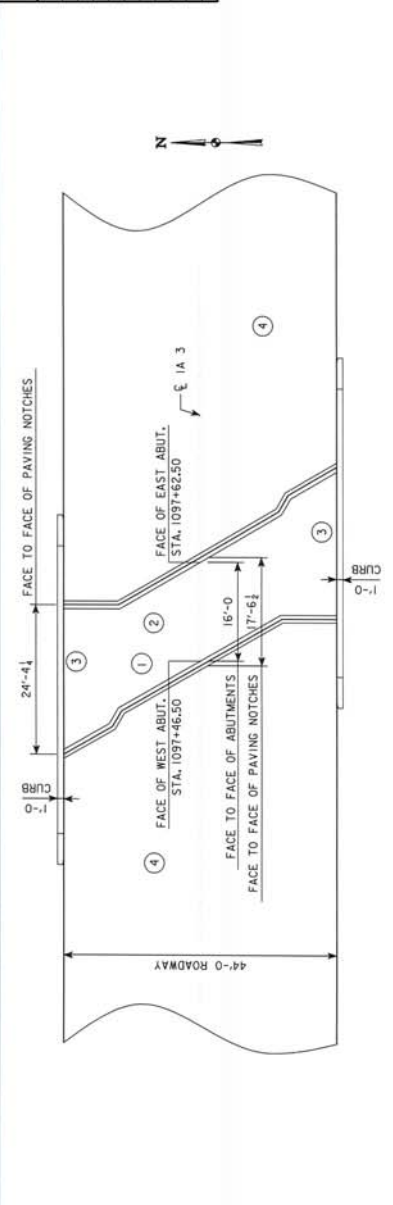
Road Identification	Location	Station to Station	Width	Length	Area	Area (I)													Total Area By Pavement Thickness	Paved Island		Remarks	
						Area		Area		Area		Area		Area		Area		Area		Curb	Modified Subbase		
						FT	SV	FT	SV	FT	SV	FT	SV	FT	SV	FT	SV	FT					SV
IA 3		677+22.20	32.0	16828.13	38500.6													38500.6					
IA 3		785+56.50	32.0	153.8	546.9													546.9					
IA 3		787+84.32	32.0	153.8	546.9													546.9					
IA 3		789+91.68	32.0	21099.0	75618.8													75618.8					
IA 3		1002+44.54	32.0	148.7	528.7													528.7					
IA 3		1003+93.25	32.0	148.7	528.7													528.7					
IA 3		1002+46.74	32.0	8956.5	31845.5													31845.5					
IA 3		1007+71.46	32.0	8956.5	31845.5													31845.5					
IA 3		1097+50.00	32.0	2650.0	9422.2													9422.2					
IA 3 & V-62		677+62.20	Varies															190.7		RT turn lane			
IA 3 & V-62		680+14.20	Varies															203.3		Turn lane return			
IA 3 & V-62		680+87.20	Varies															351.0		Road and return			
IA 3 & V-68		797+03.40	Varies															752.7		North side			
IA 3 & V-68		798+84.00	Varies																	South stop island			
IA 3 & W-13		950+57.20	Varies																	North stop island			
IA 3 & W-13		950+52.20	Varies																	South stop island			
IA 3 & Vianfield Site Entrance		1011+35.50	Varies															190.7		Division 2 Quantity			
IA 3 & W-14		1050+35.10	Varies															209.6		WB right turn lane			
IA 3 & W-14		1053+27.10	Varies															203.3		WB return			
IA 3 & W-14		1054+02.10	Varies															349.3		South road and return			
IA 3 & W-14		1054+97.30	Varies															349.3		North road and return			
IA 3 & W-14		1053+36.90	Varies															203.3		EB return			
IA 3 & W-14		1054+26.10	Varies															209.6		EB return			
IA 3 & W-14		1055+01.10	Varies																	EB right turn lane			
IA 3 & W-14		1057+93.10	Varies																				
Totals																		5364.1	154787.1	52.0			

ESTIMATED BRIDGE QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL AS BUILT QUANTITY
1	2413-0698074	DECK REPAIR, CLASS A	SY	30,000
2	2533-4980005	MOBILIZATION	LS	1,000
3A	2413-0698066	ALTERNATE BB OPTION 1 DECK OVERLAY (CLASS 0 PCC)	SY	94,000
3B	2413-0698067	ALTERNATE BB OPTION 2 DECK OVERLAY (CLASS HPC-0 PCC)	SY	94,000

ESTIMATE REFERENCE INFORMATION

ITEM NO. 3
 DESCRIPTION
 INCLUDES COST OF FURNISHING AND PLACING CONCRETE SEALER ON DECK, CURBS AND EXISTING RETROFIT RAIL. SEE DETAIL ON SHEET V.08



SITUATION PLAN

GENERAL NOTES:

THIS DESIGN IS FOR REPAIRS TO THE EXISTING 16'-0" X 44' CONCRETE SLAB BRIDGE ON IA 3 OVER AN UNNAMED CREEK. COPIES OF ORIGINAL DESIGN PLANS WILL BE MADE AVAILABLE TO THE CONTRACTOR. CONTACT THE OFFICE OF CONTRACTS - HIGHWAY DIVISION - IOWA D.O.T. - AMES. REPAIR SHALL CONSIST OF:

- BRIDGE DECK OVERLAY
- PREFORMING CLASS 'A' DECK REPAIR
- APPLY CONCRETE SEALER TO RAILS AND CURBS
- REFER TO SHEET U3 FOR APPROACH OVERLAY TRANSITION AND GUARDRAIL DETAILS

THE TOP AND INTERIOR FACES OF THE EXISTING CONCRETE CURBS AND BARRIER RAILS ARE TO BE CLEANED AND SEALED IN ACCORDANCE WITH ARTICLE 2403.03, P. OF THE STANDARD SPECIFICATIONS. ALL COSTS ASSOCIATED WITH CLEANING AND SEALING OF THE CONCRETE RAILS AND CURBS SHALL BE INCLUDED IN THE UNIT PRICE BID ITEM "DECK OVERLAY".

NO PRELIMINARY DECK SURVEY IS SHOWN. THE PLAN QUANTITY FOR "CLASS A BRIDGE DECK REPAIR" IS ESTIMATED AS 30 SY INCLUDING 2 FT. STRIP AT EACH END. THE BRIDGE AREA APPROXIMATELY 102 SQ YD OF REMAINING DECK AREA, THE ACTUAL SPALED AND HOLLOW AREAS, AS DETERMINED BY THE ENGINEER, SHALL BE REPAIRED.

PRESENT DECK THICKNESS VARIES FROM 1'-9" OVER THE ORIGINAL BRIDGE TO 1'-3" AT THE GUTTERLINES IN THE WIDENED AREA. THE CONTRACTOR SHALL EXERCISE CARE IN ORDER TO PREVENT UNNECESSARY REMOVAL OF CONCRETE BELOW THE TOP OF THE TOP REINFORCING. THE ENERGY OF HAND TOOLS SHALL BE RESTRICTED NEAR THE BOTTOM OF THE DESIGNATED CLASS A REPAIR AREAS IN ORDER TO PREVENT UNBONDING OF REINFORCING.

SURFACE RAISE, AS SHOWN ON THE PLANS, SHALL BE CONSIDERED A MINIMUM. IN ORDER TO LIMIT THE ADDITIONAL DEAD LOAD SURFACE RAISE SHALL BE RESTRICTED TO A MAXIMUM OF 1/2" MORE THAN SHOWN ON THE PLANS. PROFILE MAY BE ADJUSTED TO THE EXTENT POSSIBLE WITHIN THESE LIMITS.

SPECIFICATIONS:

DESIGN: AASHTO SERIES OF 2002.
 CONSTRUCTION: IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2012, PLUS APPLICABLE GENERAL SUPPLEMENTAL SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

DESIGN STRESSES:

DESIGN STRESSES FOR THE FOLLOWING MATERIALS ARE IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SERIES OF 2002.
 REINFORCING STEEL IN ACCORDANCE WITH SECTION 8, GRADE 60.
 CONCRETE IN ACCORDANCE WITH SECTION 8, f'c = 4.0 KSI.

DESIGN HISTORY AT THIS SITE

DES. NO.	TYPE OF WORK
66	ORIGINAL DESIGN (1922)
152	DECK WIDENING
394	RETROFIT RAIL
413	BRIDGE DECK OVERLAY

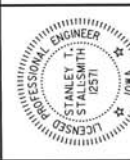
LOCATION

ON IA HWY 3
 OVER UNNAMED CREEK
 T-9N R-9W
 SECTION 5 & 8
 JEFFERSON TOWNSHIP
 FAYETTE COUNTY
 FAYETTE COUNTY NO. 3349.35003
 IOWA
 LATITUDE 42.71469°
 LONGITUDE -91.92669°

STRUCTURAL DESIGN

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.

Stanley T. Stallsmith
 Signature
 Stanley T. Stallsmith
 Date 5/16/13
 Printed or Typed Name
 My license renewal date is December 31, 2014
 SHEETS V.07 AND V.08



Pages or sheets covered by this seal: _____

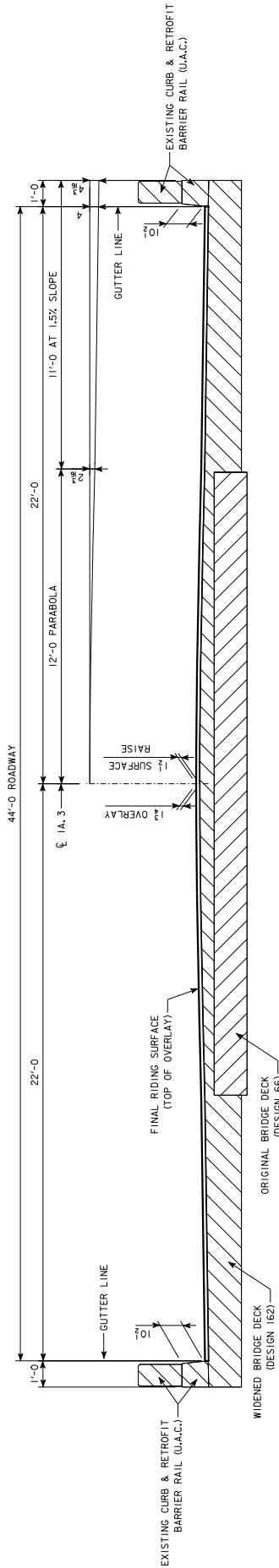
NOTE:
 ROADWAY QUANTITIES SHOWN ELSEWHERE IN THESE PLANS.

TRAFFIC CONTROL PLAN:
 THE ROADWAY WILL BE CLOSED TO THRU TRAFFIC. REFER TO THE TRAFFIC CONTROL PLAN SHOWN ELSEWHERE IN THESE PLANS.

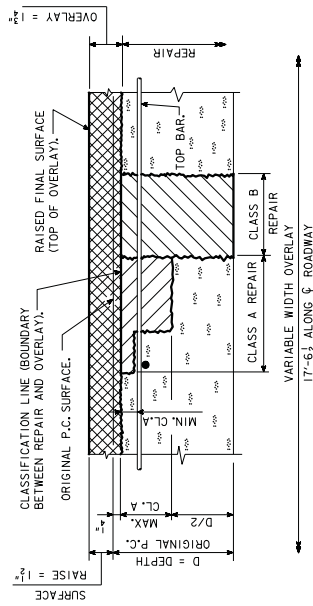
DESIGN FOR REPAIRS TO A 30° SKEW (R.A.)
 BRIDGE
 16'-0" SPAN
 16'-0" X 44' CONCRETE SLAB

ESTIMATED QUANTITIES & NOTES
 STA. 1097+54.50
 MAY, 2013
 FAYETTE COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. 1 OF 2 FILE NO. 30854 DESIGN NO. 413

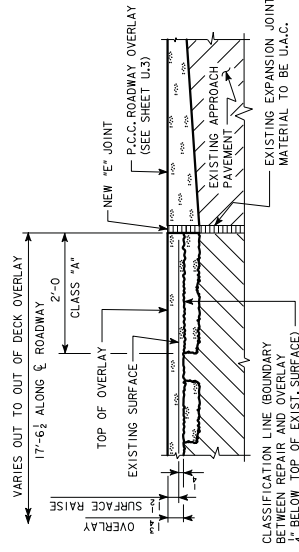
TRAFFIC ESTIMATE	
2010 AADT	1,900 V.P.D.
TRUCKS	11 %



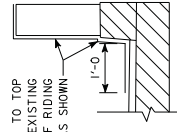
TYPICAL SECTION



REPAIR AND OVERLAY DEFINITION



PART LONGITUDINAL SECTION ALONG ROADWAY
BOTH ABUTMENTS



DETAIL OF CONCRETE SEALER AREA

DESIGN FOR REPAIRS TO A 30° SKEW (R.A.)
16'-0" x 44' CONCRETE SLAB BRIDGE
 16'-0" SPAN
DECK REPAIR DETAILS
 STA. 1097+54.50
FAYETTE COUNTY
 IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
 DESIGN SHEET NO. 2 OF 2 FILE NO. 30854
 MAY, 2013