Addendum

Iowa Department of Transportation

Date of Letting: December 20, 2016

Office of Contracts

Date

of Addendum: December 2, 2016

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
004	13-C013-090	BRIDGE DECK OVERLAY	CALHOUN	BHS-C013(90)63-13	20DEC004A01

Make the following changes to the PROPOSAL SCHEDULE OF PRICES:

Add Proposal Line No. 0160 2599-9999005 ('EACH' ITEM) RETROFIT BRIDGE END RAIL/CURB: $4.000\ EACH$

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

Replace the plans with the attached set of plans.

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PROJECT

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Location Map Scale

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IOWADEPARTMENT OF TRANSPORTATION

HIGHWAY DIVISION PLANS OF PROPOSED IMPROVEMENT ON THE

FARM TO MARKET SYSTEM CALHOUN COUNTY BRIDGE DECK OVERLAY

The Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction, series of 2015, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications, and Special Provisons, shall apply to construction work on this project.

Scales: As Noted

Location: On D36 270th Street, over West Cedar Creek, from NW Corner Sec. 31 T88N-R31W East 0.3 Miles.

PROJECT TRAFFIC CONTROL PLAN

THIS ROAD WILL BE CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION. LOCAL TRAFFIC TO ADJACENT PROPERTIES WILL BE MAINTAINED AS PROVIDED FOR IN ARTICLE 1107.08 OF THE CURRENT STANDARD SPECIFICATIONS. TRAFFIC CONTROL DEVICES, SIGNING OR PAVEMENT MARKINGS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" PER 761 IAC CHAPTER 130. CALHOUN COUNTY WILL ESTABLISH AND MAINTAIN DETOUR.

> Project No. BHS-C013(90)--63-13 3130 GR FHWA# 016860

UTILITIES

POWER: Mid American Energy Rockwell City, la 50579 1-888-427-5632

NOTIFICATION SHALL BE MADE TO IOWA ONE-CALL AT 1-800-292-8989 TO IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITY FACILITIES WITHIN CONSTRUCTION AREA AS PER ARTICLE 1107.15

TITLE SHEET

Project No. BHS-C013(90)--63-13

Description

2. ESTIMATE OF QUANTITIES & GENERAL NOTES

INDEX OF SHEETS

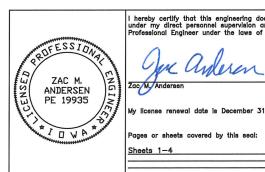
- 3. **TABULATIONS**
- RETROFIT BRIDGE END RAIL/CURB

	MILEAGE SUMMARY	
Div	Location	Miles
	€ OF BRIDGE STA. 322+04.8	

	ROA	D STANE	DARD PL	.ANS	
The following S	Standard Plans s	hall be considered	d applicable to c	construction work	on this project.
Identification	Date	Identification	Date	Identification	Date
TC-252	04-19-16	BA-205	04-19-16		
BR-112	04-21-15				
BA-200	10-18-16				
BA-201	10-18-16				
BA-202	10-20-15				

11-29-16

CALHOUN COUNTY



Approved Calhoun County
Board of Supervisors

2015 AADT 780 V.P.D.

Calhoun County

Project No. BHS-C013(90)--63-13

of 4 Sheet No. 1

GENERAL NOTES

THIS DESIGN IS FOR REPAIRS TO THE EXISTING 70'-0 X 30' CONTINUOUS CONCRETE SLAB BRIDGE. BRIDGE IS ON COUNTY ROAD D-36 OVER WEST CEDAR CREEK. COPIES OF THE ORIGINAL DESIGN AND PLANS WILL BE MADE AVAILABLE TO THE CONTRACTOR. CONTACT THE OFFICE OF CONTRACTS-IOWA D.O.T. - AMES, IA.

REPAIRS SHALL CONSIST OF:

1. BRIDGE FLOOR REPAIR, CLASS "A"

BRIDGE FLOOR REPAIR, CLASS A
 BRIDGE FLOOR OVERLAY

3. INSTALLATION OF REINFORCED BRIDGE APPROACHES

4. REPAIR BRIDGE CURB

5. INSTALLATION OF GURADRAIL

BRIDGE FLOOR OVERLAY SHALL CONSIST OF REMOVING THE FLOOR CONCRETE TO A DEPTH OF 1 1/2" BELOW THE EXISTING SURFACE. TRANSPORTING THE CONCRETE REMOVED AND DISPOSING OF THE CONCRETE REMOVED FROM THE PROJECT, AND OVERLAYING WITH 1 1/2" OF PCC.

PRESENT FLOOR THICKNESS IS ABOUT 14". THE CONTRACTOR SHALL EXERCISE CARE IN ORDER TO PREVENT UNNECESSARY REMOVAL OF CONCRETE BELOW THE TOP OF THE THE TOP LAYER OF REINFORCING. THE ENERGY OF HAND TOOLS SHALL BE RESTRICTED NEAR THE BOTTOM OF THE OF THE DESIGNATED REPAIR AREAS IN ORDER TO PREVENT UNBONDING OF REINFORCING. NO CONCRETE SHALL BE REMOVED BELOW THE TOP OF THE TOP LONGITUDINAL REINFORCING WITHOUT PRIOR PERMISSION FROM THE COUNTY ENGINEER.

PLAN QUANTITY OF FLOOR REPAIR IS BASED ON THE "PLOT OF BRIDGE DECK DELAMINATIONS" AS SHOWN IN THESE PLANS. ACTUAL SPALLED AND HOLLOW AREAS, AS DETERMINED BY THE ENGINEER AT THE TIME OF OF CONSTRUCTION SHALL BE REPAIRED.

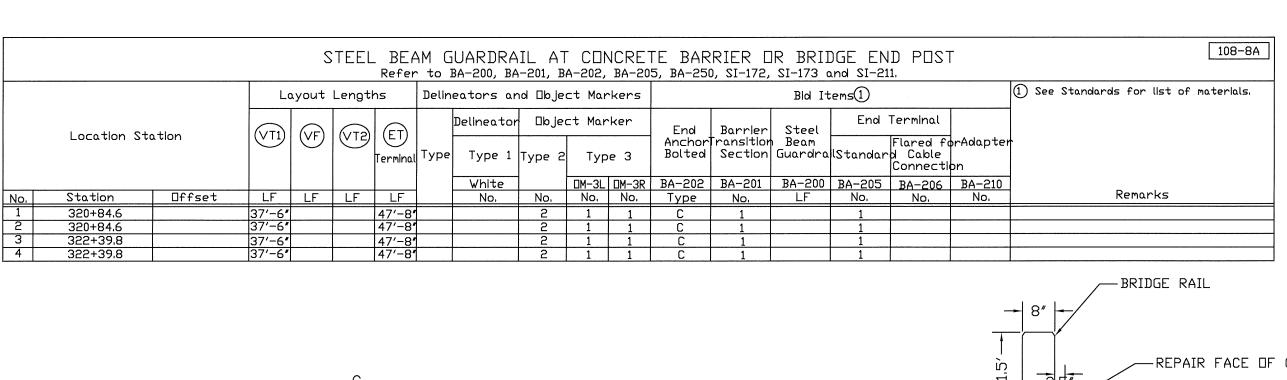
GREENFIELD TWF SEC. 30/31	DESIGN FOR 70' X 30' BRIDGE DECK OVERLAY								
		ESTIMATE OF QUANTITIES		PART.	NON PART.				
ITEM CODE	NO.	ITEM	UNIT	TOTAL					
2301-0685550	1	BRIDGE APPROACH PAVEMENT, AS PER PLAN	S.Y.	266.6					
2401-6745636	2	REMOVAL OF EXISTING HANDRAIL AND END POSTS							
2413-0698067	3	BRIDGE FLOOR OVERLAY (CLASS HPC-0 PCC)	S.Y.	233.3					
2413-0698074	4	BRIDGE FLOOR REPAIR, CLASS A	S.Y.	57					
2426-6772016	5	CONCRETE REPAIR	S.F.	116.6					
2505-4008120	6	REMOVAL OF STEEL BEAM GUARDRAIL	L.F.	260					
2505-4008410	7	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION, BA-201	EACH	4					
2505-4021010	8	STEEL BEAM GURADRAIL END ANCHOR, BOLTED	EACH	4					
2505-4021720	9	STEEL BEAM GUARDRAIL END TERMINAL, BA-205	EACH	4					
2510-6745850	10	REMOVAL OF PAVEMENT	S.Y.	266.6					
2518-6910000	11	SAFETY CLOSURE	EACH	2					
2528-8445110	12	TRAFFIC CONTROL	L.S.	1					
2533-4980005	13	MOBILIZATION	L.S.	1					
2555-0000010	14	DELIVER & STOCKPILE SALVAGED MATERIAL	L.S.		1				
2599-9999005	15	BRIDGE DRAIN REPLACEMENT	EACH	4					
2599-9999005	16	RETROFIT BRIDGE END RAIL/CURB	EACH	4					
	17								

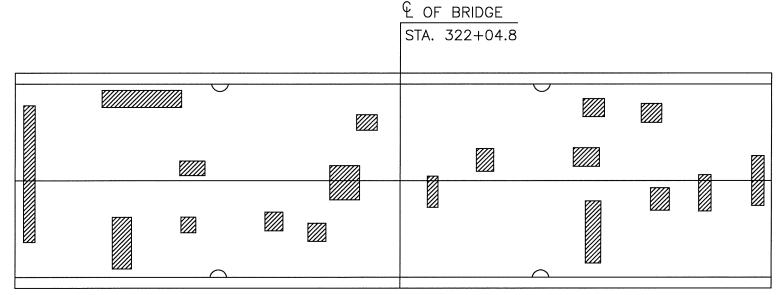
BID ITEM NOTES

- 1. REFER TO THE TABULATION BELOW FOR THE STANDARD BR-112 BRIDGE APPROACH SECTIONS.
- 2. CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING ALUMINUM HANDRAIL AND CONCRETE END POSTS ADJACENT TO HANDRAIL.
- 3. CERTIFIED PLANT INSPECTION IS REQUIRED.
- CONCRETE REPAIR IS FOR THE REPAIR OF THE BRIDGE CURB. REPAIR TO BE DONE AS PER SPEC. 2426.01. SEE DETAIL ON SHEET NO. 3.
- 6. CONTRACTOR TO REMOVE THE EXISTING GUARDRAIL. THE GUARDRAIL TO BECOME PROPERTY OF THE CONTRACTOR.
- 7-9. REFER TO THE TABULATION ON SHEET NO. 3 FOR GUARDRAIL INSTALLATION.
- 10.&14. THE BROKEN CONCRETE REMOVED FROM THE BRIDGE APPROACHES SHALL BE STOCKPILED AT THE CALHOUN COUNTY MAINTENANCE YARD LOCATED IN ROCKWELL CITY.
 - 15. THIS ITEM INCLUDES ALL LABOR AND MATERIAL TO REPLACE THE BRIDGE DRAIN AS SHOWN IN THE DETAIL ON SHEET 3.
 - 16. THIS ITEM INCLUDES ALL LABOR AND MATERIALS TO REMOVE THE SECTION OF CONCRETE END RAIL AND CURB AS SHOWN IN THE DETAILS ON SHEET 4. THIS INCLUDES, BUT IS NOT LIMITED TO, SAWING, CHIPPING, PROTECTING AND TYING INTO THE EXISTING REINFORCING STEEL AS REQUIRED. THIS ALSO INCLUDES PROVIDING THE NECESSARY BOLT HOLES AND ANY OTHER MISCELLANEOUS ITEMS TO ALLOW CONNECTION TO THE NEW GUARDRAIL END CONNECTION(BA-202) TO BE MADE.

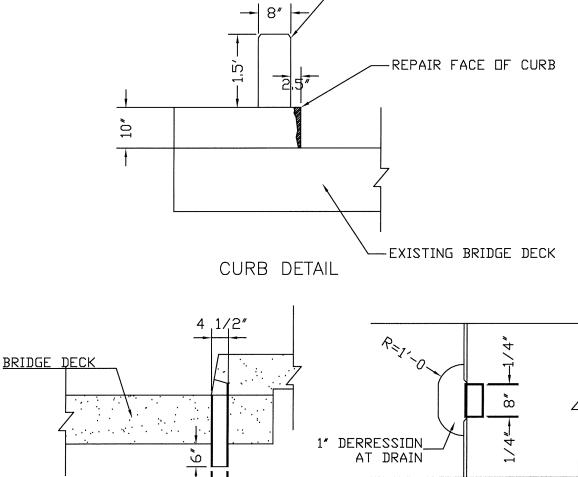
								ECTION Road Plans	·1						
Location		Approach Pavement					Subdrain								
Bridge Station	End	Thickness Inches		Non-Reinf. Pavement Area Sq. Yds.	Pavement Area	Double- ReInf. Pavement Area Sq. Yds.	Abutment	Perforated Subdrain 4" Lin, Ft,	Subdrain Dutle	* Slde	Porous Backfill	Class 'A'* Crushed Stone Backfill Cu, Yds,	Modifled Subbase	* Polymer Grld Sq. Yds.	Remarks
321+69	East	10"	50'		133,3		F								BR-112
322+34	West	10'	50'		133.3		F								BR-112

TABULAT	ION OF	SAFETY	CLOSURES
Refer	to Section 2518	of the Standard :	Specifications
	CLOSUR	E TYPE	
NDITATS	Road Qty.	Hazard Qty.	REMARKS
317+04	1		
327+04	1		





PLOT OF BRIDGE DECK DELAMINATIONS



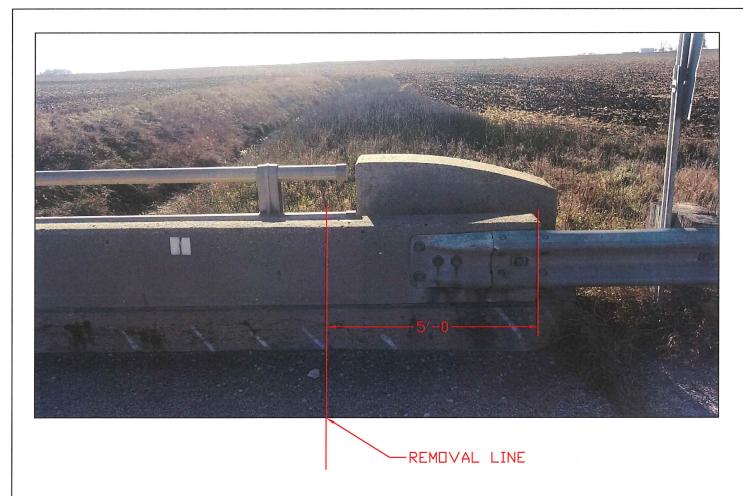
Note: Floor drain to be 4"x8" with 1/4" wall thickness. All parts of drain, including bolts, anchors, attachments and drain shall be galvanized.

FLOOR DRAIN DETAIL

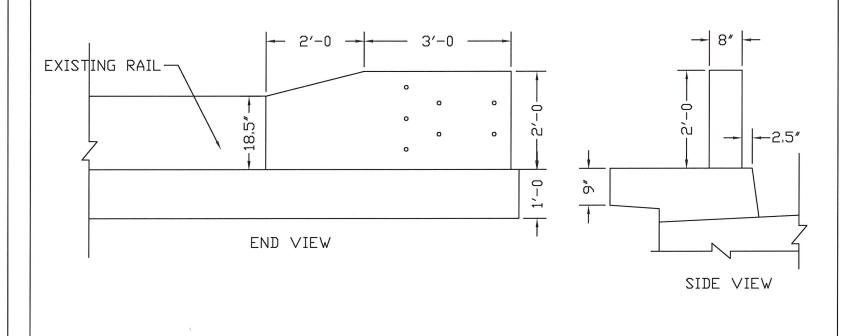
CALHOUN COUNTY

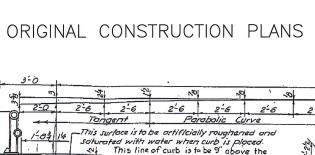
PROJECT NO. BHS-C013(90)--63-13

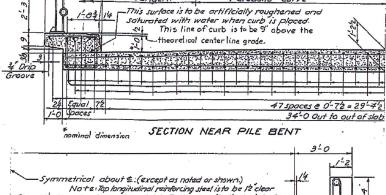
SHEET 3 OF 4

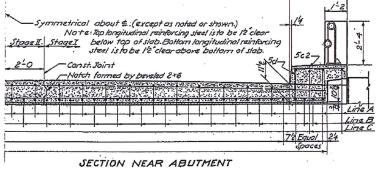


EXISTING BRIDGE RAIL/CURB REMOVAL DETAIL









Bar			Loca	tion			Shape	Nº	Length	Weigh
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553	,	B						28	18-6	540
504	R	*	,		,	,		28	16-2	472
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566			R		,			8	19-4	161
567	ü				,			4	11-0	46
501	Cui	-6	Ve	rtica	1			94	5-9	564
5c2	. 8		Tro	msve	15E			94	2'-10	278
501	Slat	5.	Stq.I	П	TOP	7		24	16'-3	407
502	,		tq.II	4				24	18'-8	467
601	11		fq.I	4	Bot	#		49	16'-3	1241
6e2	. 1	. 3	ta-II	-	- 1			49	18'-8	132:
911	Pila		Beni	Lon	git. S.	to.I		8	15-5	420
972	,		,			g:II		8	17-7	476
9f3		•	4	E	nds	_		4	7-6	102
591	11	-	4	.5+1	rrups		٦٦	44	5-1	233
611	Roil	7	Post		hors			FE 18	5-6	738
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BRIDGE RAIL RETROFIT DETAIL