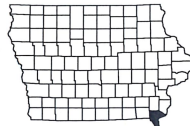


LEE COUNTY

Guardrail

LETTING DATE
June 16 2026
MP-061-5(708)20--76-56



INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
A.2	Location Map Sheet
C Sheets	Quantities and General Information
C.1	Estimated Project Quantities and Reference Notes
C.2	General Notes
C.3	Project Description
C.4	Standard Road Plans
C.5	Removal of Steel Beam Guardrail
C.6	Steel Beam Guardrail
C.7	High Tension Cable Guardrail
J Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
J.2	511 Travel Restrictions
J.3	Coordinated Operations
U Sheets	500 Series, Mod.Stds. and Detail Sheets
U.1	Detail High Tension Cable Guardrail Special Anchor Sections



PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
LEE COUNTY
Guardrail
Bluff Rd 1.0 mi N of IA 2 (SB)

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

REVISIONS	TOTAL
	13
	PROJECT IDENTIFICATION NUMBER
	26-56-061-010
	PROJECT NUMBER
	MP-061-5(708)20--76-56
	R.O.W. PROJECT NUMBER

DESIGN DATA RURAL			
2024	AADT	4,990	V.P.D.
20	-- AADT	--	V.P.D.
20	-- DHV	--	V.P.H.
TRUCKS		17	%
Total			
Design ESALs		--	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Anthony J Klein	Primary Signature Block	C.1

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.

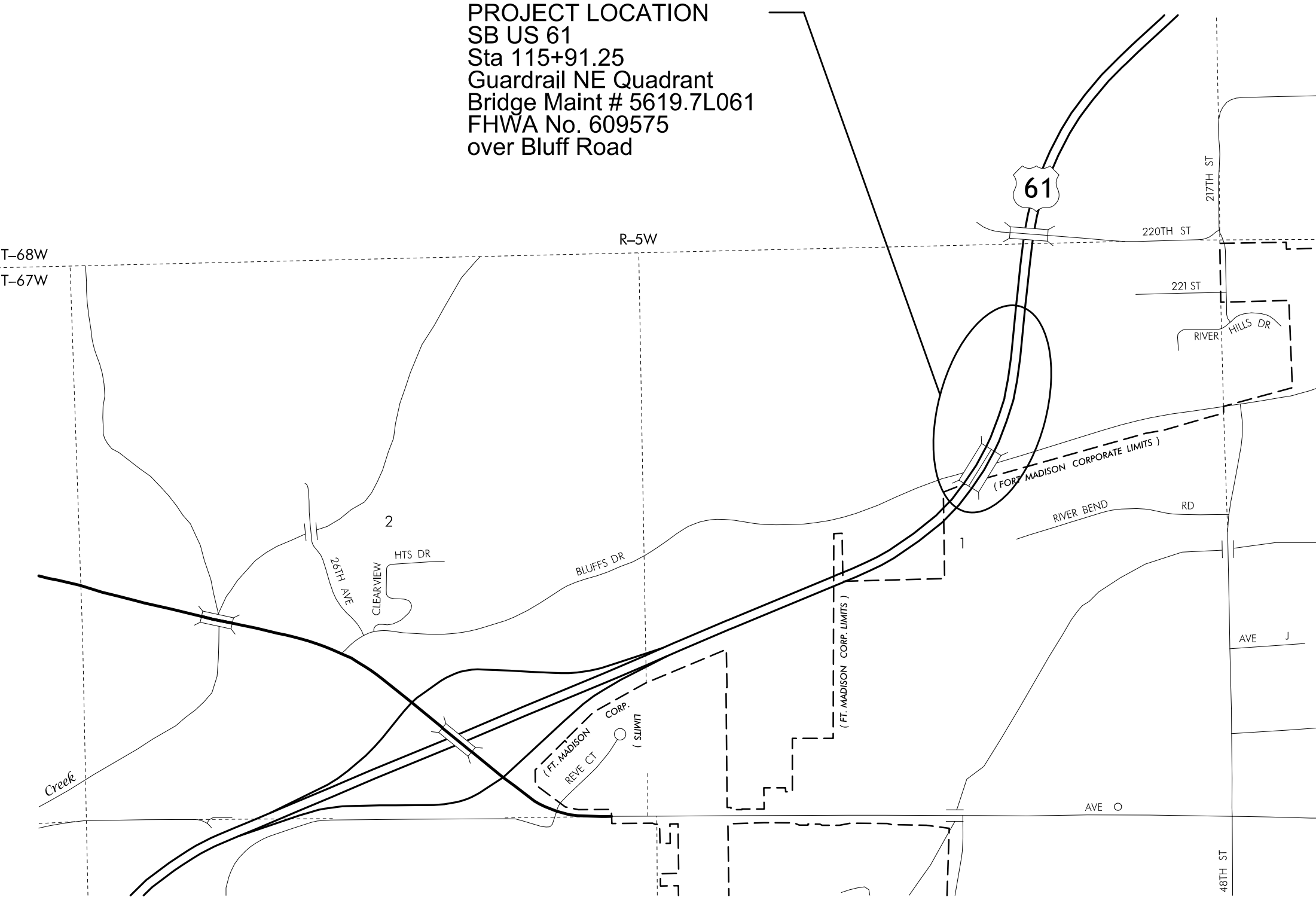
Anthony J Klein 3/23/26
Signature Date

Anthony J Klein
Printed or Typed Name

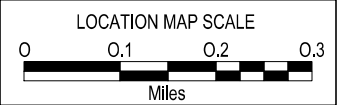
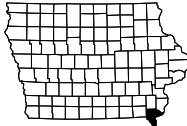
My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL SHEETS

PROJECT LOCATION
SB US 61
Sta 115+91.25
Guardrail NE Quadrant
Bridge Maint # 5619.7L061
FHWA No. 609575
over Bluff Road



FORT MADISON



ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	60	See Tab 110-7A for locations and information. All materials removed are to become the property of the Contractor.
2	2505-4008300	STEEL BEAM GUARDRAIL	LF	25	See Tab 108-8A for locations and information.
3	2505-4020580	GUARDRAIL, SPECIAL ANCHOR SECTION	EACH	1	See Sheet U.1 and Tab 108-9A C sheets for additional information. This contract item covers the permanent attachment of high tension cable guardrail to steel beam guardrail at the locations shown in the contract documents. Provide a connection meeting the high tension cable guardrail manufacturer's specifications. This item includes the following: Any additional lengths of cable required, attachment hardware, special steel beam guardrail sections, modifications to any existing steel beam guardrail sections, and any additional labor, equipment, or materials necessary to provide for a complete connection assembly. The Engineer will count the number of Guardrail, Special Anchor Sections. Payment will be contract unit price for each Guardrail, Special Anchor Section properly installed.
4	2505-4021721	STEEL BEAM GUARDRAIL FLARED END TERMINAL, BA-206	EACH	1	See Tab 108-8A for locations and information.
5	2505-6000111	HIGH TENSION CABLE GUARDRAIL	LF	430	Refer to Tabulation 108-9A and the project plans for locations and details.
6	2505-6000121	HIGH TENSION CABLE GUARDRAIL, END ANCHOR	EACH	1	
7	2528-8445110	TRAFFIC CONTROL	LS	1	As per current Standard Specifications and Road Plans. See Tab 108-23A, Sheet J.1 for additional information.
8	2533-4980005	MOBILIZATION	LS	1	As per current Standard Specifications.

253_01
9/28/22

MEDIAN CROSSOVER

The Contractor is prohibited from using any established or other type median crossover on this project unless specifically designated for the Contractor's use by this plan.

262_06
9/28/22

UTILITIES (NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

100_01D
8/15/22

PROJECT DESCRIPTION

This project is for cable guardrail placement at Bridge Maint. # 5619.7L061, along US 61 in Lee County.

<div>105_04 4/21/26</div> <div>STANDARDS</div> <div>The following Standards apply to construction work on this project.</div>		
Number	Date	Title
BA-200	04-21-26	Steel Beam Guardrail Components
BA-206	10-19-21	Steel Beam Guardrail Flared End Terminal For Cable Connection
BA-250	10-21-25	Steel Beam Guardrail Installation at Concrete Barrier or Bridge End Post (MASH TL-3)
BA-351	10-19-21	High Tension Cable Guardrail
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-402	04-18-23	Work Within 15 ft of Traveled Way
TC-418	04-18-23	Lane Closure on Divided Highway

<div>REMOVAL OF STEEL BEAM GUARDRAIL</div> <div>(1) Lane(s) to which the installation is adjacent. (2) Includes length of End Terminals and End Anchors.</div>						110_07A 8/15/22
Line No.	No.	Direction of Traffic (1)	Station From	Station To	Side	Removal of Guardrail (2) (LF)
1.0	1	SB	119+30.00	119+90.00	Median	60.0

108_08A
4/25/25

STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION

Possible Standards: BA-200, BA-201, BA-202, BA-205, BA-206, BA-209, BA-210, BA-211, BA-221, BA-225, BA-250, BA-260, LS-625, LS-626, LS-630, LS-635, SI-172, SI-173 and SI-211.

(1) Lane(s) to which the obstacle is adjacent.
(2) Not a bid item. Incidental to guardrail installation.

Line No.	Direction of Travel (1)	Side	Station	Offset (FT)	Barrier Transition Section	Barrier Transition Section (EA)	End Terminal	End Terminal Count (EA)	VT1 (LF)	VF (LF)	VT2 (LF)	ET (LF)	BA-211 Station	BA-211 (Type)	SI-211 (Type) (2)	Delineator SI-172 Type 1 (EA) (2)	Object Marker Type 2 (EA) (2)	Object Marker Type 3 Lt (EA)(2)	Object Marker Type 3 Rt (EA)(2)	Bolted End Anchor BA-202 (Type)	Bolted End Anchor BA-202 (EA)	Post Adapter BA-210 (EA)	Steel Beam Guardrail BA-200 (LF)	Remarks
1.0	SB	Median					BA-206	1				37.50											25.0	

108_09A
12/15/23

HIGH TENSION CABLE GUARDRAIL

Refer to BA-351.

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

Line No.	Item No.	Lane (1)	Station	Side	Offset DO (FT)	Approach CA (FT)	Obstacle CO (FT)	Trailing CT (FT)	Protection Length (CA+CO+CT) (FT)	End Anchor (EA)	Remarks
1.0	1	SB	119+55.00	Median	10.3				430.0	2	See Note 1

Note 1: 1 Special Anchor Section required. Connect to BA-206 on Tab 108-8A.

108_23A
8/15/22

TRAFFIC CONTROL PLAN

1. Through traffic will be maintained on this project at all times.

108_25
3/28/24

511 TRAVEL RESTRICTIONS													
Line No.	Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No. or Structure ID or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
1.0	US 61	SB	Lee	Bluff Rd 1.0 miles North of IA 2	No Width Restrictions Expected	Traffic Control Device	5619.7L061	Horizontal					See Note 1

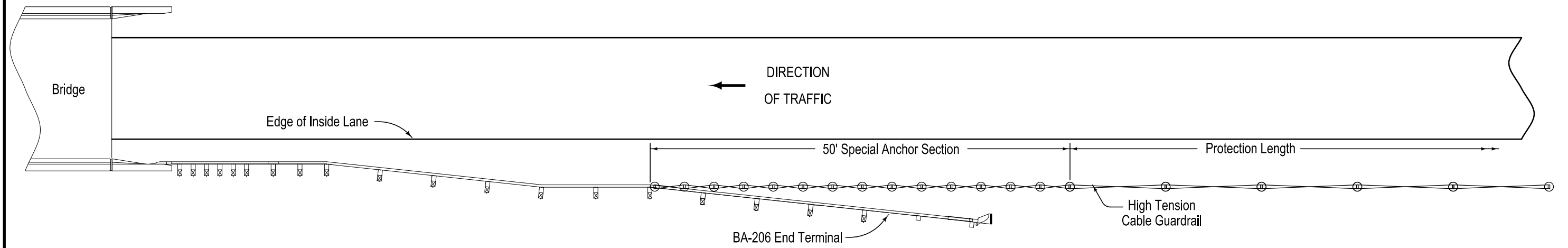
Note 1: Lane closure within the project limits due to road maintenance work.

111_01
10/14/22

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
None Provided	



Case 2
(Variable Flare and Variable Tangent Layout at Bridge End)

**HIGH TENSION CABLE GUARDRAIL
SPECIAL ANCHOR SECTIONS**