

WEBSTER COUNTY

3522 - SLIDE REPAIR
NHSN-169-6(102)--2R-94

LETTING DATE
SEP. 29, 2026

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
B Sheets	Typical Cross Sections and Details
B.1	Typical Cross Sections and Details
C Sheets	Quantities and General Information
C.1 - 3	Estimated Project Quantities
C.4 - 7	Tabulations
D Sheets	Mainline Plan and Profile Sheets
D.1	Plan & Profile Legend & Symbol Information Sheet
D.2	"US 169"
J Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
U Sheets	500 Series, Mod.Stds. and Detail Sheets
U.1 - 3	Site photos; old plan

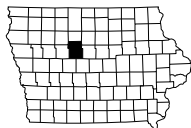
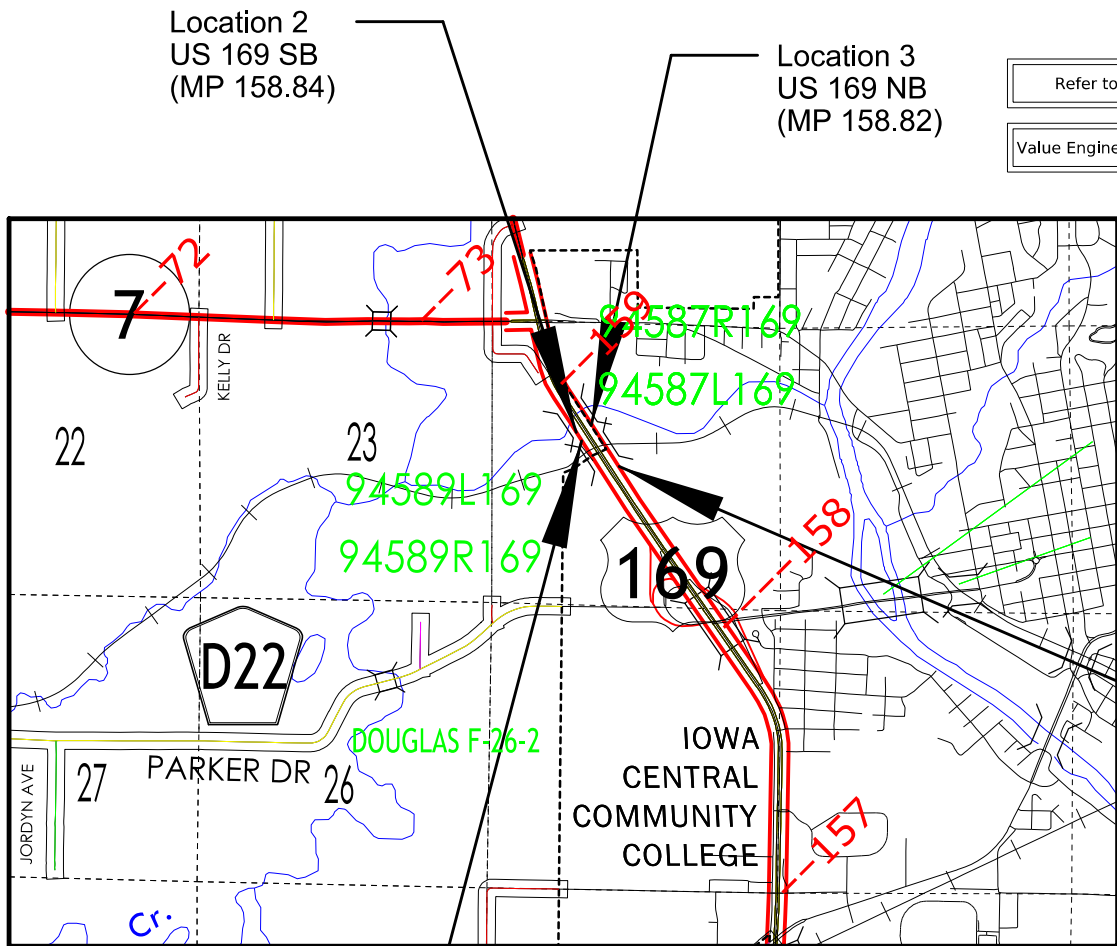


PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
WEBSTER COUNTY
3522 - SLIDE REPAIR
.5 mi S of IA 7

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



Miles

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	DEVENDRA TAMRAKAR	Primary Signature Block	C.1 - C.3

REVISIONS

TOTAL

15

PROJECT IDENTIFICATION NUMBER

26-94-169-020

PROJECT NUMBER

NHSN-169-6(102)--2R-94

R.O.W. PROJECT NUMBER

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ROADWAY 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.

Signature

Devendra Tamrakar

Printed or Typed Name

My license renewal date is December 31, 20 27

08-11-2026

Date

Pages or sheets covered by this seal: A.1; B.1; C.1-C.7; D.1-D.2; J.1; U.1-U.3

X

FILE NO. --

ENGLISH

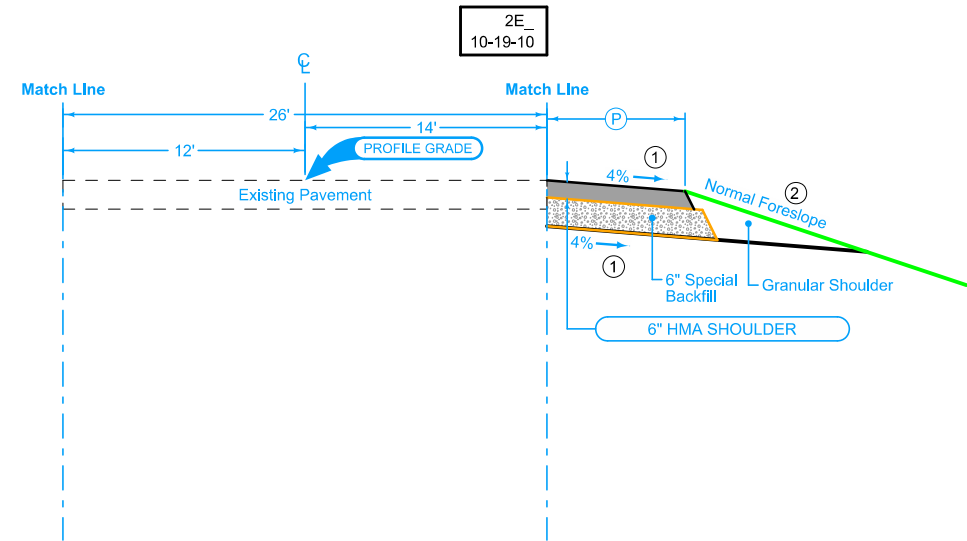
DESIGN TEAM VORTHERMS/TAMRAKAR

WEBSTER

COUNTY

PROJECT NUMBER NHSN-169-6(102)--2R-94

SHEET NUMBER A.1



Paved Shoulder at Guardrail

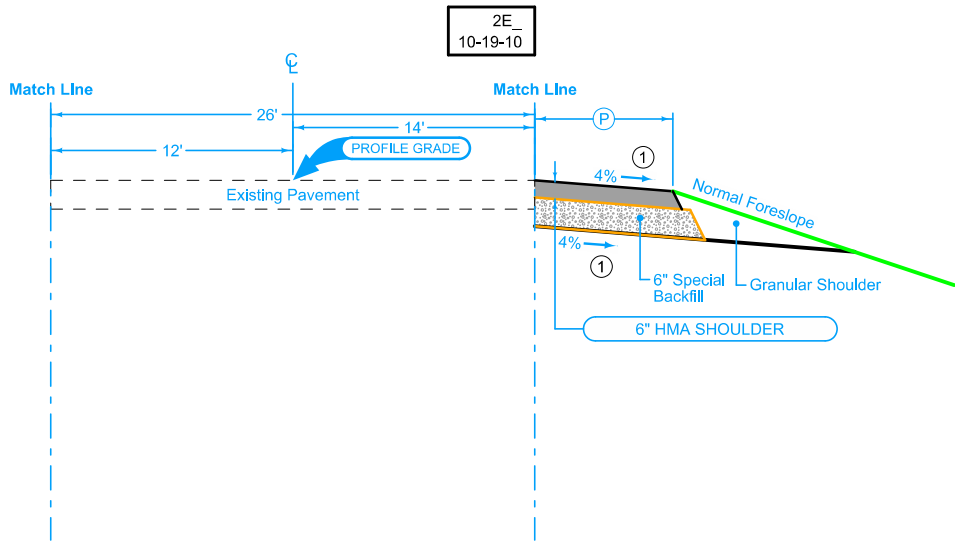
HMA Shoulder Jointing:
Longitudinal joint: B

2_P_Guard_ Modified		
STATION TO STATION		P Feet
③	③	6

NOTES:

- ① Match the existing cross slope.
- ② Refer to the typical benching details and match the existing foreslope
- ③ A 25-foot section of the existing paved shoulder in front of the guardrail along US 169 SB (158.8) will be removed and reconstructed.

PAVED SHOULDER DETAIL
US 169 SB (MP158.80)
Location 1



Paved Shoulder at Guardrail

HMA Shoulder Jointing:
Longitudinal joint: B

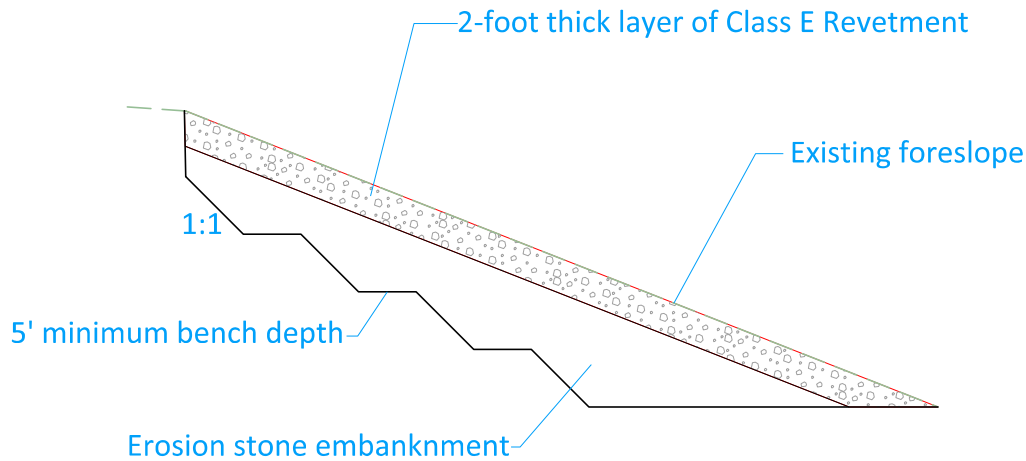
2_P_Guard_ Modified		
STATION TO STATION		Ⓟ Feet
1326+50.00	1328+58.43	10

NOTES:

This is typical for Location 4. Please refer to the U Sheet for the correct location and stationing reference.
Coordinate with the Engineer for verification.

- ① Match the existing cross slope.

PAVED SHOULDER DETAIL
US 169 NB (MP158.72)
Location 4



Typical Benching Detail

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Division 1 : Roadway Items
Division 2 : Roadway Items (NHSN-169-6 (098)- -2R-94)

Item no.	Item Code	Item	Unit	Quantities			Estimate Reference Notes
				Estimated			
				Division 1	Division 2	Total	
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.09		0.09	Refer to Tab. 110-17 on C sheets.
2	2102-0425070	SPECIAL BACKFILL	TON	7	58.36	65.36	Refer to Tab 112-9 on C sheets. Refer to Tab. 112-9 on C Sheets.
3	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	1,205		1,205	Refer to Tab. 103-12 on C sheets.
4	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	2.6	21.9	24.5	Refer to Tab 112-9 on C sheets.
5	2122-5500060	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6 IN.	SY		185.3	185.3	Refer to Tab. 112-9 on C Sheets.
6	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS		1	1	Refer to Tab. 110-2 on C sheets.
7	2416-0100024	APRONS, CONCRETE, 24 IN. DIA.	EACH		1	1	Refer to Tab. 104-3 on C sheets.
8	2416-0101036	REMOVE AND REINSTALL CONCRETE PIPE APRONS LESS THAN OR EQUAL TO 36 IN.	EACH	2		2	Remove and reinstall culvert end sections/aprons at Locations 2 and 3 as required for embankment construction.
9	2502-8215804	SUBDRAIN, TILE, 4 IN. DIA.	LF		120	120	Refer to Tab. 103-12 on C Sheets.
10	2502-8221306	SUBDRAIN OUTLET, DR-306	EACH		4	4	
11	2505-6765006	REMOVE AND REINSTALL FORMED STEEL BEAM GUARDRAIL	LF	50	125	175	Refer to Tab. 300_2 on C sheets. The intent of this work is to remove and reinstall only the steel beam guardrail for placement of pavement. Carefully remove and stockpile steel beam guardrail for reinstallation. Replace steel beam rail and posts damaged by the Contractor's operations at no additional cost to the Contracting Authority. Posts, delineators, and object markers are to remain in place. Replace posts, delineators, and object markers damaged by the Contractors operations at no additional cost to the Contracting Authority. Ensure that all posts are firm and plum prior to reinstalling the guardrail. Restore the area disturbed by removal and reinstallation operations to an acceptable condition. Method of Measurement: Measurement will be in linear feet, measured along the front of the rail, of steel beam guardrail (includes W-beam and Thrie-beam guardrail) removed and reinstalled. Basis of Payment: Payment will be at the contract unit price per linear foot of steel beam guardrail removed and reinstalled. Payment includes all labor, equipment, and materials required to remove and reinstall the steel beam guardrail.

Item no.	Item Code	Item	Unit	Quantities			Estimate Reference Notes
				Estimated			
				Division 1	Division 2	Total	
12	2505-6765008	REMOVE AND REINSTALL HIGH TENSION CABLE GUARDRAIL	LF	75	137	212	Refer to Tab. 300_3 on C sheets.
13	2507-6800061	REVTMENT, CLASS E	TON	756		756	Refer to Tab. 103-12 on C sheets.
14	2507-8029000	EROSION STONE	TON	798		798	
15	2510-6745850	REMOVAL OF PAVEMENT	SY	22.2	185.3	207.5	Refer to Tab. 110-1 on C sheets.
16	2528-8445110	TRAFFIC CONTROL	LS	1		1	Refer to Traffic Control Plan on J.1 Sheet.
17	2533-4980005	MOBILIZATION	LS	1		1	- -
18	2599-9999005	('EACH' ITEM) Cable Rail Post and Foundation, Core Drilled & Anchored	EACH	3	15	18	This item is for constructing a core-drilled foundation for a cable rail post along US 169 North bound over HMA shoulder at Location 4, as directed by the Engineer. The method of measurement will be by each core-drilled foundation with post constructed and accepted. The Engineer will count each completed core-drilled foundation for payment. The basis of payment will be by each core-drilled foundation with post. Payment for each item shall be full compensation for furnishing all materials, equipment, labor, tools, and incidentals necessary to complete the work. This item is for constructing a core-drilled foundation for a cable rail post along US 169 South bound over HMA shoulder at Location 1, as directed by the Engineer. The method of measurement will be by each core-drilled foundation with post constructed and accepted. The Engineer will count each completed core-drilled foundation for payment. The basis of payment will be by each core-drilled foundation with post. Payment for each item shall be full compensation for furnishing all materials, equipment, labor, tools, and incidentals necessary to complete the work.
19	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	300		300	Refer to Tab. 100-19 on C sheets. Refer to Standard Road Plan EC-204. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 12 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.
20	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	300		300	Refer to Standard Road Plan EC-204. Item is included for temporary perimeter sediment control, inlet protection, and water velocity reduction on slopes or ditches at locations to be determined during construction. Verify specific locations with the Engineer prior to beginning placement. Item may be used in addition to, or as a replacement for Perimeter Slope and Sediment Control Device, 12 IN. DIA. upon Engineer approval.
21	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	600		600	
22	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1		1	Quantity is for installation and maintenance of erosion control within the project limits.

Item no.	Item Code	Item	Unit	Quantities			Estimate Reference Notes
				Estimated			
				Division 1	Division 2	Total	
23	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1		1	Quantity is for repair or reinstallation of erosion control due to events requiring emergency measures as determined by the Engineer.

100-1D
10-18-05

PROJECT DESCRIPTION

This project involves repairing three localized erosion and washout sites caused by surface erosion along roadway foreslopes and culvert outlets. The work includes reconstructing eroded slopes, installing erosion and scour protection using Engineering Fabric, Erosion Stone, and Class E Revetment, repairing damaged shoulders and guardrail where required, reinstating culvert end sections, and restoring disturbed areas to improve long-term slope stability, erosion resistance, and roadway safety.

There are some outstanding items that were not completed as part of the NHSN-169-6(098)--2R-94 Project. These remaining works will be completed along with the current project. The pending items include the installation of subdrains, paved shoulders, and the removal and reinstallation of steel beam guardrails and cable rail systems.

111-25
10-18-11

INDEX OF TABULATIONS

Tabulation	Tabulation Title	Sheet No.
C Sheets		
100-1D	PROJECT DESCRIPTION	C.4
100-19	PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES	C.5
103-12	SLIDE REPAIR	C.5
104-3	DRAINAGE STRUCTURE BY ROAD CONTRACTOR	C.7
104-9	LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE	C.7
105-4 E	STANDARD ROAD PLANS	C.4
110-1	REMOVAL OF PAVEMENT	C.6
110-2	REMOVAL OF EXISTING STRUCTURES	C.6
110-17	CLEARING AND GRUBBING	C.6
111-25	INDEX OF TABULATIONS	C.4
112-9	SHOULDERS	C.5
300-1	SPECIAL NOTES	C.4
300-2	REMOVE/REINSTALL STEEL BEAM GUARDRAIL	C.6
300-3	REMOVE/REINSTALL CABLE GUARDRAIL	C.6

105-4
10-18-11

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
DR-201	10/17/2023	Concrete Aprons
DR-301	4/19/2022	Subdrains for Fill or Foundation Drainage (Standard)
DR-302	4/20/2022	Subdrains for Fill or Foundation Drainage (Standard)
DR-306	10/17/2023	Precast Concrete Headwall for Subdrain Outlets
EC-204	10/19/2021	Perimeter, Slope and Ditch Check Sediment Control Devices
TC-1	10/15/2019	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-402	T2023xt	Work Within 15 ft of Traveled Way
TC-418	T2023xt	Lane Closure on Divided Highway

108-26A
08-01-08

SPECIAL NOTES

Need for Project:

Site inspection and review of aerial imagery identified three erosion locations requiring repair to restore embankment protection, drainage performance, and roadway safety.The observed failures appear to be primarily related to surface erosion and scour rather than overall slope instability. The erosion is concentrated within relatively narrow channels (estimated to be 20 ft wide or less). Existing foreslopes are relatively steep, likely ranging from approximately 3H:1V to 2H:1V, increasing the potential for continued erosion. There is another location where slide repair work that should have been completed last year was not fully complete. That remaining work will now be completed together with this project.

Refer D sheet for locations.

Location 1 - Northwest Bridge Approach Embankment (Bridge 9458.7L169)

Erosion at the northwest bridge has exposed the full length of a guardrail support post and caused localized loss of embankment material beneath the guardrail. Cable rail elements have also been affected. The erosion scarp extends to the shoulder edge, resulting in localized pavement distress.

Locations 2 and 3 - Culvert Erosion Areas

Washout and erosion at the culvert locations have resulted in localized loss of embankment material and reduced drainage performance. Continued erosion may lead to further embankment degradation if not repaired.

Recommendations:

Repair all three locations using erosion protection measures to restore the embankments and provide long-term protection against future scour.

Location 1 - Approach Embankment

Bench and backfill the eroded areas with Erosion Stone placed over Engineering Fabric, followed by Class E Revetment for permanent erosion protection. Where rock is used as the primary backfill material, cohesive imported embankment material should be placed near the top of slope to support guardrail post installation, with Engineering Fabric separating the soil and rock layers. Portions of the guardrail and paved shoulder will require removal and replacement.

Locations 2 and 3 - Culvert Erosion Areas

Provide scour protection at the culvert outlets using Class E Revetment placed over Engineering Fabric. Reconstruct the eroded embankment areas using suitable cohesive imported embankment material and provide rock protection using Class E Revetment. The existing culvert end sections at Locations 2 and 3 will need to be removed to facilitate embankment reconstruction and reinstalled following completion of the repairs.

Location 4 - Outstanding Work Items

Remaining work from previous project includes construction of a new HMA paved shoulder, removal and reinstallation of steel beam and cable rail systems, core drilling for cable rail foundation installation and installation of subdrain outlets in previously constructed rock embankment. Also remove 24" Concrete Apron which was damaged during last year construction and install new 24" RCP Apron.

Pavement, shoulders, and all disturbed areas should be reinstated following completion of the repair works. Appropriate temporary and permanent erosion and sediment control measures should be implemented during construction.

FILE NO.

ENGLISH

DESIGN TEAM

VORTHERMS\TAMRAKAR

WEBSTER COUNTY

PROJECT NUMBER

NHSN-169-6(102) - - 2R-94

SHEET NUMBER

C.4

8/10/2026

2:59:54 PM

dtamrak

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SLIDE REPAIR															103-12 10-20-20
Site No.	Location		Side	Class 13 Excavation Waste	Embankment-in-Place	Excavation, Class 10		Class "E" Revetment	Engineering Fabric	Erosion Stone	Gra. Material Blankets & Subdrain	Macadam Stone Slope Protection	Topsoil		Remarks
	Begin MP	End MP				Roadway and Borrow	Waste						Furnish & Spread	Strip, Salvage & Spread	
1	158.80	158.80	Rt.				400	252		266					Location 1
2	158.84	158.84	Rt.				410	254		267					Location 2
3	158.82	158.82	Rt.				395	250		265					Location 3
				Totals:			1205	756		798					

112-9

10-20-20

SHOULDERS

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

② See Typ. 7156, 7157, or 7158.

③ Bid Item.

④ Applies only for Paved Shoulders constructed on project with existing granular shoulders.

⑤ Bid Item. Typ. 7156, 7157, or 7158.

⑥ Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 0, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Location				P	P _{SG}	G	L	Class 13 ^④ Excavation	Hot Mix Asphalt		Binder	Paved Shoulder	6" Paved Shoulder at Guardrail	Reinforced Paved Shoulder	Quantities				Subbase	Granular Shoulder		Earth Shoulder Construction Alternates			Remarks															
Road Identification	Direction Of Traffic	Station to Station													Side	Width	Width	Width				Length	CY	TON		TON/STA	TONS	SY	SY	SY	Special Backfill		CY	TON	TON/STA	STA	HMA	PCC		
																															HMA Alternate								PCC Alternate	
																															TON	TON/STA							TON	TON/STA
US 169	SB			Rt.		8.0		25.0							22.2		7.000	28.000				2.625	10.500				(1)													
US 169	NB	1326+50.00	1328+58.43	Rt.		8.0		208.4							185.3		58.360	28.000				21.885	10.500				(2)													
(1) Undermining at Location 1 has exposed the guardrail support and caused shoulder pavement distress. Remove and replace affected guardrail sections and reconstruct the damaged shoulder area - Division 1																																								
(2) This work at Location 4 was not completed during the previous year and is planned to be completed as part of this project. - Division 2																																								

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES								100-19 10-19-21
Possible Standards: EC-204								
Location			Perimeter and Slope			Ditch Check		Remarks
Begin MP	End MP	Side	Length of Installation			Length of Installation		
			9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
158.80	158.80	RT			80.0			60' offset - Location 1
158.84	158.84	RT			80.0			60' offset - Location 2
158.82	158.82	RT			80.0			60' offset - Location 3
				Total:	240.0			
				PSSCD Total	300.0			Includes additional 25%

110-17 04-18-17																					
CLEARING AND GRUBBING																					
Location		Work and Material Type	Trees, Stumps, and Logs and Down Timber Material Diameters													All Other Materials		Estimated Quantities			Remarks
Station to Station or Ref. Loc. Sign to Ref. Loc. Sign or Description	Direction of Travel		3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Length	Width	Units	Area	Herbicide Application	
																FT	FT	Units	Acres	Each	
US 169 MP 158.80 Location 1	SB	Trees - Clearing and Grubbing																	0.04		Division 1
US 169 MP 158.84 Location 2	SB	Trees - Clearing and Grubbing																	0.02		Division 1
US 169 MP 158.82 Location 3	NB	Trees - Clearing and Grubbing																	0.03		Division 1
																		Totals:	0.09		

110-1 04-16-13						
REMOVAL OF PAVEMENT						
Refer to Tabulation 102-5						
* Not a Bid Item						
Begin Station	End Station	Side	Pavement Type	Area	Saw Cut*	Remarks
				SY	LF	
		RT	HMA	22.2	41.0	US 169 SB Location 1 - MP 158.8
1326+50.00	1328+58.43	RT	HMA	185.3	224.0	US 169 SB Location 4
			Totals:	22.2		Division 1
				185.3		Division 2

110-2 04-16-13		
REMOVAL OF EXISTING STRUCTURES		
Location	Description	Remarks
Location 4	Apron for 24" RCB	US 169 NB Rt. Side Sta. 1325+49.3. The apron was broken during last year construction

300_2					
REMOVE/REINSTALL STEEL BEAM GUARDRAIL					
No.	Road Identification				Remarks
		Direction	Side	Length (LF)	
1	US 169	SB	RT	25	Location 1
2	US 169	NB	RT	25	Location 3
3	US 169	NB	RT	125	Location 4
	Totals:				
	Division 1			50	Location 1 & 3
	Division 2			125	Location 4

300_3					
REMOVE/REINSTALL CABLE GUARDRAIL					
No.	Road Identification				Remarks
		Direction	Side	Length (LF)	
1	US 169	SB	RT	25	Location 1
2	US 169	SB	RT	25	Location 2
3	US 169	NB	RT	25	Location 3
4	US 169	NB	RT	137	Location 4
	Totals:				
	Division 1			75	Location 1,2,3
	Division 2			137	Location 4

LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE																		104-9 10-17-17
* Not a bid item. Bridge berm quantities assume a trench depth of 24 inches.																		
Location					Longitudinal Subdrain (DR-303)								Subdrain Outlet		Porous* Backfill	Class "A"* Crushed Stone	Remarks	
Line No.	Road or Lane Identification	Station to Station		Side	Depth	Shoulder		Backslope		Bridge Berm (EW-203 or EW-204)			DR-303, DR-305 or DR-306					
						Size	Length	Size	Length	Standard Road Plan and Type	Size	Length	Station	Standard Road Plan and Type				
					IN	IN	FT	IN	FT		IN	FT			CY	CY		
1	US 169	1326+60.00	1328+60.00	RT	24.0	4.0	30.0						1328+60.00	DR-306	1.4		Place below bottom bench	
2	US 169	1326+55.00	1326+55.00	RT	42.0	4.0	30.0						1326+55.00	DR-306	2.8		Install new outlet into existing drain	
3	US 169	1326+55.00	1328+10.00	RT	42.0	4.0	30.0						1325+66.00	DR-306	2.8		install new subdrain	
4	US 169	1328+10.00	1328+10.00	RT	42.0	4.0	30.0						1328+10.00	DR-306	2.8			
						Totals:	120.0							4				

104-3
10-17-17

DRAINAGE STRUCTURE BY ROAD CONTRACTOR

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

1

2

3

Not a bid item

Diameter or equivalent diameter

UNCL = Unclassified Pipe CMP = Corrugated Metal Pipe RCP = Reinforced Concrete Pipe LCP = Arch or Elliptical Low Clearance Pipe SARC = Steel Arch Pipe

Backfill according to DR-101

Drainage Area	Location	Type	Size	Kind Of Pipe	Length New Const.	Bedding Class	Design Cover (H)	Camber* (DR-102)	Apron No.		Apron Guard* (DR-213)	Elbow* (DR-141)	Diaphragm* (DR-501)	Tee Section* (DR-142)	"D" Section* (DR-141)	Reducer*	Type 'C' Connections* (DR-122)		Connected Pipe Joint* (DR-121)	4" Perforated Subdrain*	Flow Line Elevations				Dimensions Lin. Ft.				Skew Ahead Degrees		Dike				Class 20	Flowable Mortar	Floodable* Backfill	Porous* Backfill	Flooded Backfill	Remarks
			1	2						No.	No.	No.	No.	No.	No.	Type	No.	Type	FT	Lt.	Rt.	Other	Other	Lt.	Rt.	Lt.	Rt.	Lt.	Rt.											
			IN		LF		FT	FT	IN	OUT																														
ACRE																																								
	Location 4		24	RCP						1																														

SURVEY SYMBOLS

UTILITY LEGEND

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK		Design Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING		Design Color No.	Transparency
Pink, Dark	(13)		Temporary Pavement Shading
Yellow	(4)		Proposed Pavement Shading
Orange	(6)		Proposed Granular Shading
Orange	(70)		Proposed Shoulder Granular Shading
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading
Brown, Light	(236)		Grading Shading
Orange, Light	(134)		Proposed Granular Entrance Shading
Yellow	(220)		Proposed Paved Entrance Shading
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading
Red	(3)		Proposed Structure Shading
Red	(3)		Delineates Restricted Areas

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK		Design Color No.	
Green	(10)		Existing Ground Line Profile
Blue	(1)		Proposed Profile and Annotation
Magenta	(5)		Existing Utilities
Blue, Light	(230)		Proposed Ditch Grades, Left
Black	(0)		Proposed Ditch Grades, Median
Rust	(14)		Proposed Ditch Grades, Right

Reference Point

Station

Section Corner

Ground Line Intercept

Saw Cut

Guardrail

Trench Drain

HighTension Cable Guardrail

Sheet Pile

Pavement Removal

Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way Symbol
- Proposed Right-of-Way Line
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary) Symbol
- Easement (Temporary) Line
- Easement
- C/A

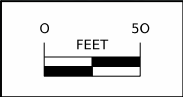
Access Control
- Property Line Symbol
- Property Line

PLAN AND PROFILE
LEGEND AND SYMBOL
INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)



Notes:
The shaded area indicates the project location.
Please coordinate with the Engineer during construction.



108-23A
08-01-08

TRAFFIC CONTROL PLAN

Traffic on US 169 shall be maintained at all times.

Lane Closures on US 169:

- Lane closures shall be limited to delivery and removal of equipment and materials

Traffic on US 169 shall be maintained at all times.
Lane Closures on US 169:

- Lane closures shall be limited to delivery and removal of equipment and materials

511 TRAVEL RESTRICTIONS

[illegible]



SITE PHOTO
Location 1



SITE PHOTO
Location 1



SITE PHOTO
Location 2



SITE PHOTO
Location 3



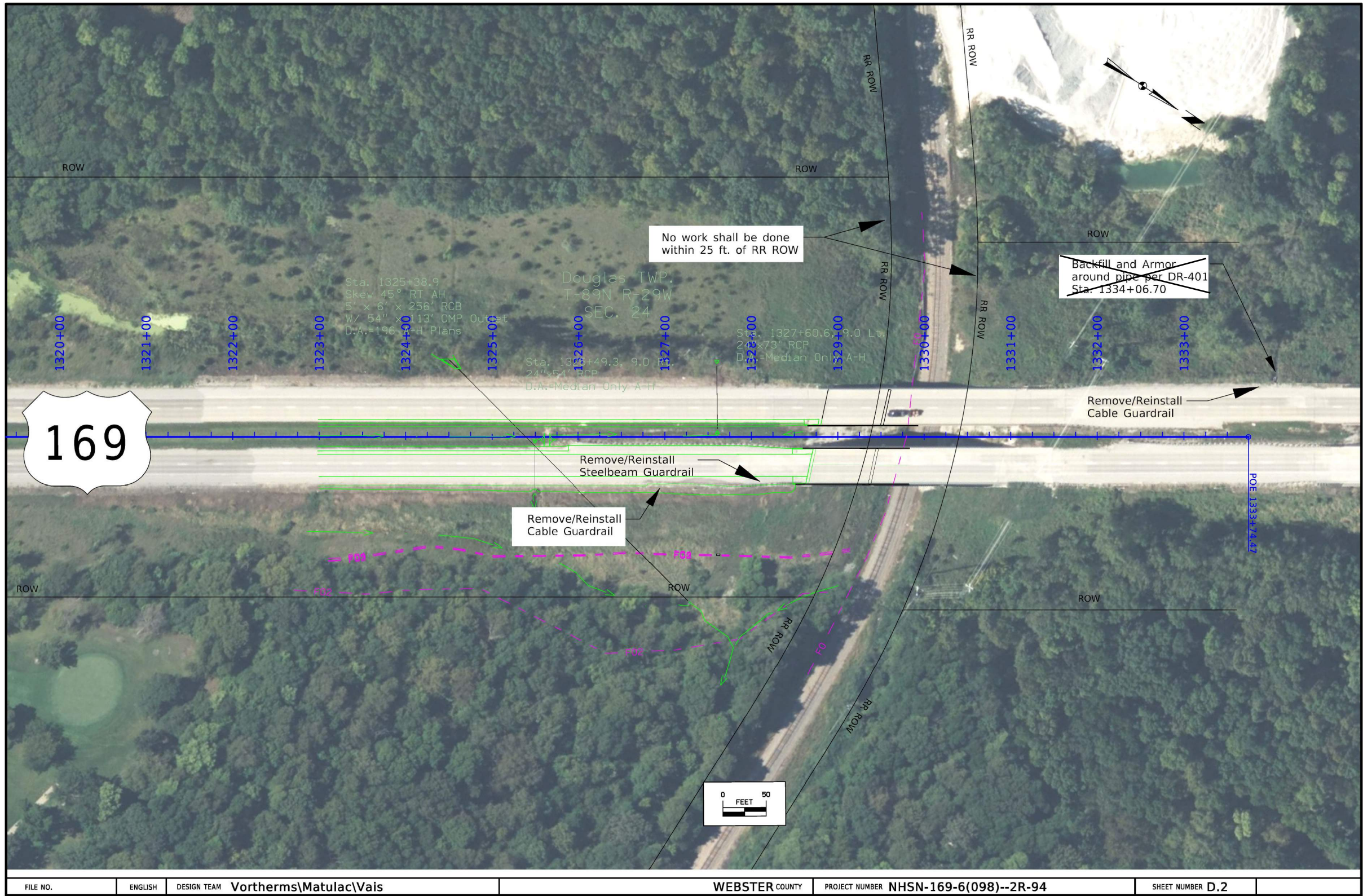
AERIAL IMAGE - Location 1



AERIAL IMAGE - Location 2



AERIAL IMAGE - Location 3



FILE NO.	ENGLISH	DESIGN TEAM	Vortherms\Matulac\Vais	WEBSTER COUNTY	PROJECT NUMBER	NHSN-169-6(098)--2R-94	SHEET NUMBER	D.2
11:42:02 AM	7/23/2024	mvais	pw:\NTP\wint1.dot\int.lan:PWMain\Documents\Projects\9416903023\DistrictDesign\CADD Files\94169098_PLN.dgn					

Note:
This sheet is for information only.
It identifies locations where existing guardrail removal and reinstatement was not completed under the previous project
and is included in this project.

FILE NO.	--	ENGLISH	DESIGN TEAM	VORTHERMS/TAMRAKAR	WEBSTER COUNTY	PROJECT NUMBER	NHSN-169-6(102)--2R-94	SHEET NUMBER	U.3
1:03:14 PM	8/4/2026	dtamrak	pw:\NTP\wint1.dot\int.lan:PWMain\Documents\Projects\9416902026\DistrictDesign\NHSN-169-6(102)--2R-94\CADD_Files\Sheet_Files\SH_T_U01_94169102.dgn						