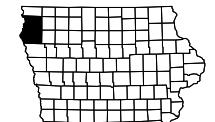


PLYMOUTH/SIOUX COUNTY

NHSN-075-2(129)--2R-75

LETTING DATE
SEPT. 16, 2025



DESIGN DATA RURAL	
2024 AADT	3405 V.P.D.
2044 AADT	4086 V.P.D.
2044 DHV	— V.P.H.
TRUCKS	28 %
Total	—
Design ESALs	—



PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM PLYMOUTH/SIOUX COUNTY

Microsurfacing

0.4 mi N of IA 60 to 0.5 mi S of IA 10

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



Microsurfacing

REVISIONS

PROJECT IDENTIFICATION NUMBER	24-75-075-050
PROJECT NUMBER	NHSN-075-2(129)--2R-75
R.O.W. PROJECT NUMBER	

TOTAL
21

FILE NO.

ENGLISH

DESIGN TEAM DISTRICT 3

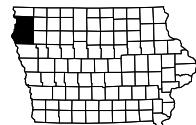
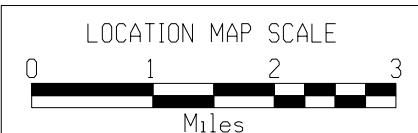
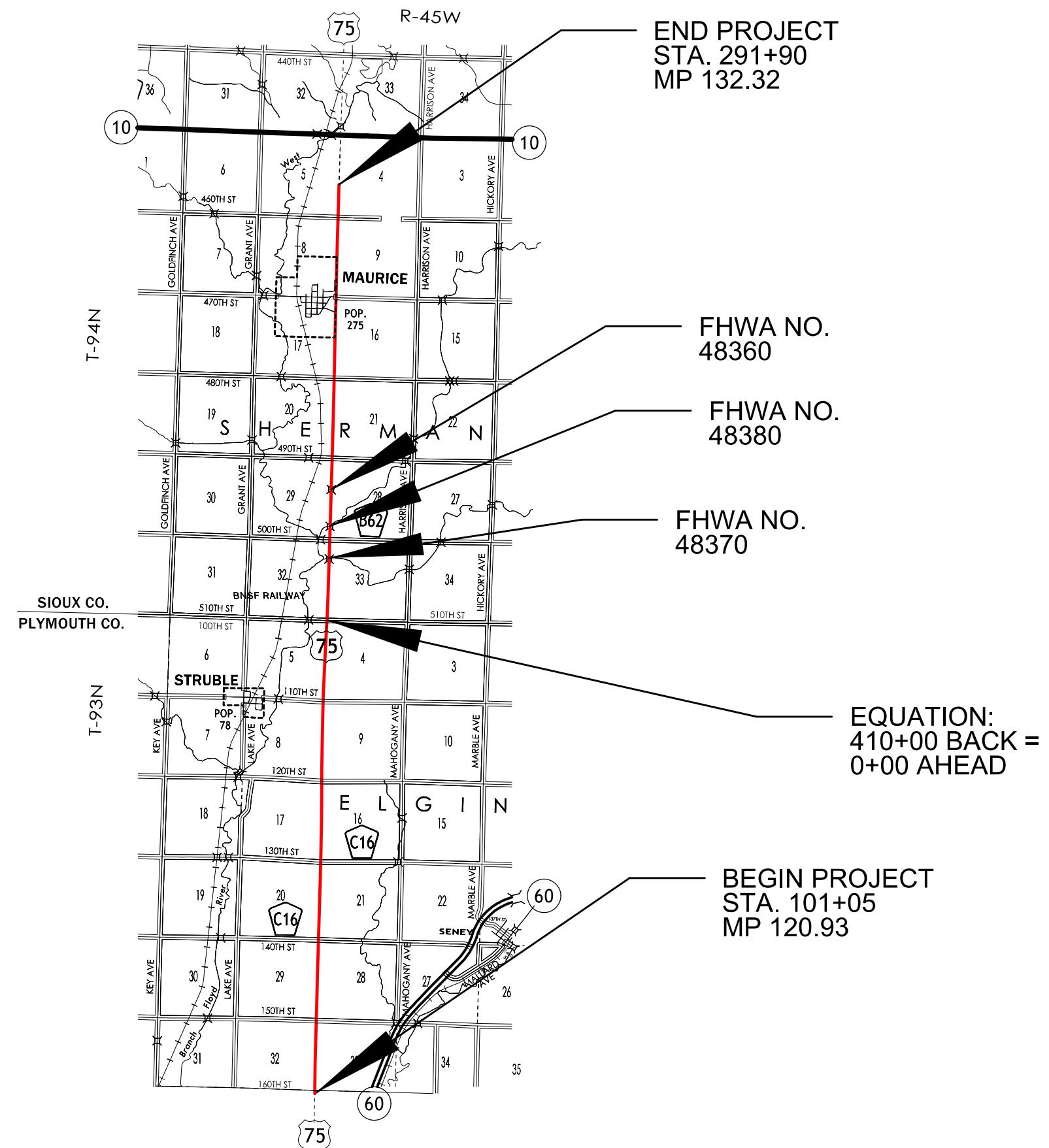
PLYMOUTH/SIOUX COUNTY

PROJECT NUMBER NHSN-075-2(129)--2R-75

SHEET NUMBER A.1

ROADWAY DESIGN	
<p>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.</p> <p><i>Todd E. Huju</i> 07/01/2025</p> <p>Signature Todd E. Huju Printed or Typed Name</p> <p>My license renewal date is December 31, 2026</p>	
<p>Pages or sheets covered by this seal: ALL</p>	

US 75 PROJECT LIMITS



US 75 DETOUR MAP

Detour signing
to be done by
Contractor

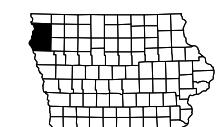
SIOUX COUNTY

84

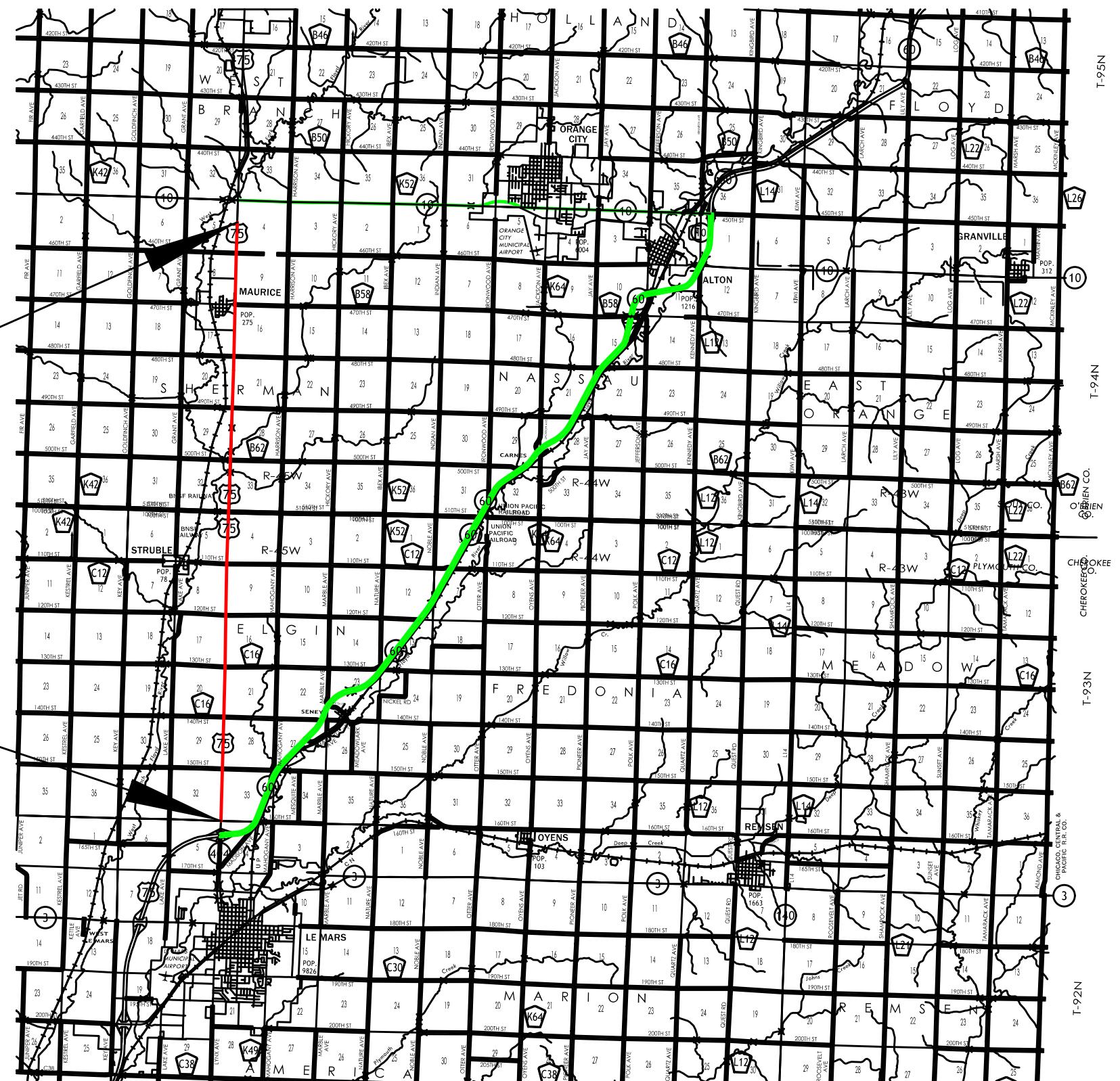
DETOUR ROUTE

END PROJECT
LIMIT

BEGIN PROJECT
LIMIT



LOCATION MAP SCALE
0 1 2 3
Miles



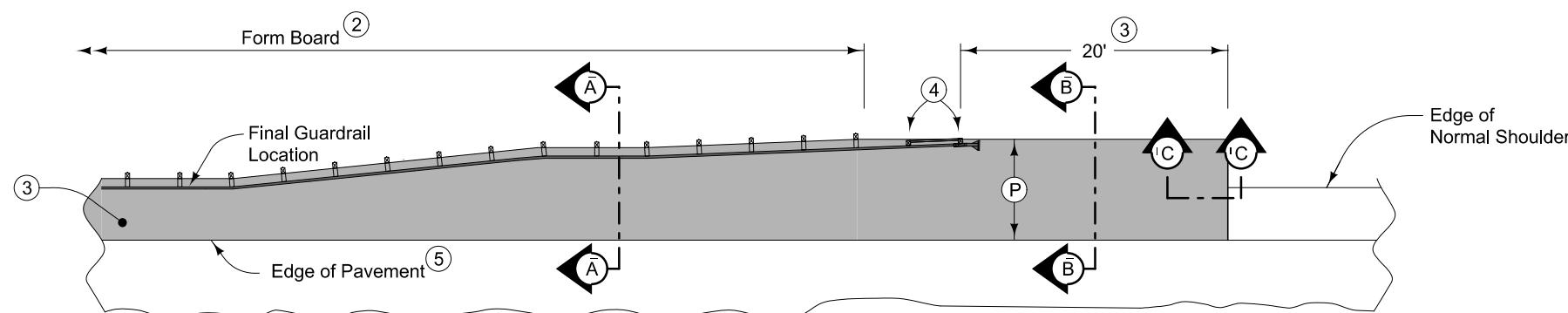
PLYMOUTH COUNTY

75

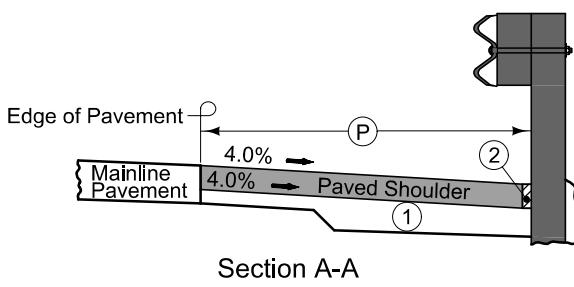
PLYMOUTH/SIOUX COUNTY

PROJECT NUMBER NHSN-075-2(129)--2R-75

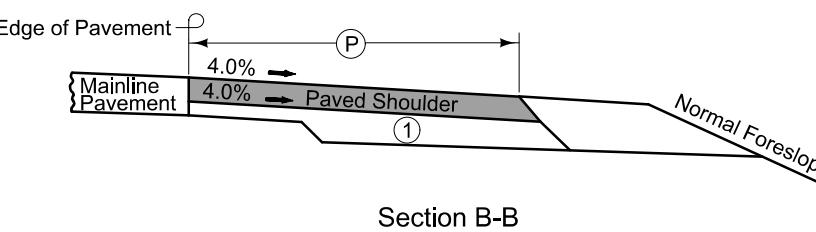
SHEET NUMBER A.3

DESIGNER
INFO7156
04-18-17

PLAN VIEW

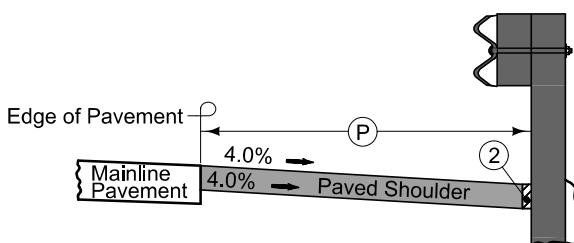


Section A-A

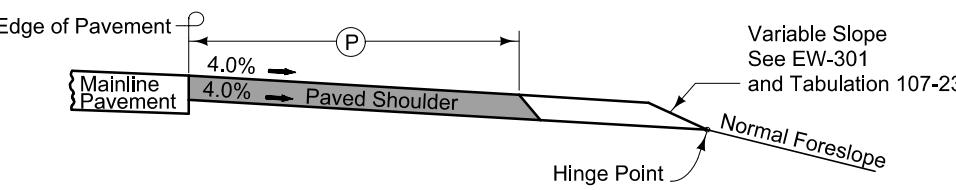


Section B-B

NEW CONSTRUCTION

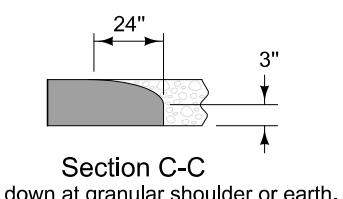


Section A-A



Section B-B

EXISTING SHOULDER

Section C-C
Roll down at granular shoulder or earth.

PAVED SHOULDER AT GUARDRAIL

9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse 'C' joints in shoulder at mid-panel of the mainline pavement. Place longitudinal 'C' joint at P/2 from edge of mainline pavement when P is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

Compaction of HMA is required to face of guardrail post. Hand compaction will be allowed under guardrail. Removal and reinstallation of guardrail will be allowed with no additional payment.

Refer to Tabulation 112-9 for shoulder quantities.

① For subgrade treatment, refer to other details in the plan.

② PCC option only: When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown. Refer to note 4 for final 2 posts.

③ Continue paved shoulder to existing paved shoulder or 20 feet beyond the center of the first post.

④ Shoulder may be notched for final 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.

⑤ 'KT-1 joint for PCC shoulder.
'B' joint for HMA shoulder.

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities		Estimate Reference Notes
				Estimated	Roadway Items	
1	2308-1000000	ASPHALT EMULSION FOR FOG SEAL (SHOULDERS)	GAL	3,563.8		Estimated at 0.20 gallons per square yards of shoulder surface.
2	2320-0000002	AGGREGATE FOR MICROSURFACING, FRICTION L-2	TON	1,603.712		The microsurfacing shall be placed at a width of 24' for the length of the project to include turn lanes. The aggregate is estimated at 20 pounds per square yard. The scrub seal shall cure under traffic for a least 24 hours before the microsurfacing is placed.
3	2320-0000020	PREPARATION OF SURFACE FOR MICROSURFACING	MILE	11.39		Surface shall be prepared prior to placing the microsurfacing.
4	2320-0000030	EMULSIFIED ASPHALT FOR MICROSURFACING	GAL	45,539.217		Quantity is estimated at 12% of the microsurfacing aggregate.
5	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	852		Refer to Tab 110-07A.
6	2505-4008300	STEEL BEAM GUARDRAIL	LF	200		Refer to Tab 108-08A.
7	2505-4008410	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION, BA-201	EACH	8		
8	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	8		
9	2505-4021720	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-205	EACH	8		
10	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	35		Refer to Tab 108-29. All symbols are in Orange City city limits.
11	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	11,285.37		Refer to Tab 108-22.
12	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	6,800.4		
13	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	35		Refer to tab 108-29.
14	2528-2518000	SAFETY CLOSURE	EACH	2		Refer to Tabulation 108-13A on the C Sheets.
15	2528-8445110	TRAFFIC CONTROL	LS	1		Refer to Traffic Control Plan on Sheet J.1. Refer to "Scrub Seal Special Provision. Refer to J.4 for Detour Signing.
16	2528-8445113	FLAGGERS	EACH	0		See Proposal.
17	2528-8445115	PILOT CARS	EACH	0		
18	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	0		
19	2533-4980005	MOBILIZATION	LS	1		--
20	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE	STA	601.91		Refer to Tab 112-10.

Item no.	Item Code	Item	Unit	Quantities		Estimate Reference Notes
				Estimated	Roadway Items	
21	2548-0000317	ENGINEERED EMULSION FOR FOG SEAL (CENTERLINE RUMBLE STRIPS)	SY	10,032		Refer to Tab 112-10. Refer to Special Provision for Penetrating Engineered Fog Seal. Shall be placed 18" wide centered on the centerline rumble strips
22	2599-9999006	('GALLONS' ITEM) EMULSION FOR SCRUB SEAL	GAL	48,111.36		See Special Provision for Polymer Scrub Seal for more information. The scrub seal shall be placed at a width of 24' for the length of the project to include turn lanes.
23	2599-9999018	('SQUARE YARDS' ITEM) AREA FOR SCRUB SEAL	SY	160,371.2		

EXISTING PAVEMENT

Line No.	County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks
1.0	Plymouth	US 75	Both	121.24	126.79	2012		NHSX-075-2(83)--3H-75	HMA	2.0	HMA	2.0			MIL	3.0					
2.0	Plymouth	US 75	Both	121.24	126.79	1985		FR-75-2(21)--2G-75	BAC	1.5	TBB	1.5			MIL	1.5	DELL RAPIDS	QUARTZ			
3.0	Plymouth	US 75	Both	121.24	126.79	1961		FN-275*<1>	AAC	1.5	AAC	1.5					P & M STONE	GRAVEL			
4.0	Plymouth	US 75	Both	121.24	126.79	1928		FA-275	PC7	7.0							HAWARDEN NORTH	GRAVEL	2		
5.0	Sioux	US 75	Both	126.79	129.1	2012		NHSN-075-2(83)--3H-75	HMA	2.0	HMA	2.0							2		
6.0	Sioux	US 75	Both	126.79	129.1	1973		FN-75-6(3)--21-84	PCC	10.0	HMA						HAWARDEN	GRAVEL			
7.0	Sioux	US 75	Both	129.1	131.25	2012		NHSN-075-2(83)--3H-75	HMA	2.0	HMA	2.0			MIL	3.0					
8.0	Sioux	US 75	Both	129.1	131.25	1985		FR-75-2(21)--2G-75	BAC	1.5	TBB	1.5			MIL	1.5	DELL RAPIDS	QUARTZ			
9.0	Sioux	US 75	Both	129.1	131.25	1961		FN-128	AAC	1.5	AAC	1.5									
10.0	Sioux	US 75	Both	129.1	131.25	1934		NRH-281BC	PC7	7.0	AAC						HAWARDEN NORTH	GRAVEL			
11.0	Sioux	US 75	Both	131.25	132.31	2012		NHSN-075-2(83)--3H-75	HMA	2.0	HMA	2.0			MIL	3.0					
12.0	Sioux	US 75	Both	131.25	132.31	1990		FN-75-3(18)--21-84	AAC	3.0					MIL	1.5	HAWARDEN NORTH	GRAVEL			
13.0	Sioux	US 75	Both	131.25	132.31	1976		MP-3745--69-84	ASC	1.0							SIOUX CENTER	SAND			
14.0	Sioux	US 75	Both	131.25	132.31	1961		FN-28	AAC	1.5	AAC	1.5									
15.0	Sioux	US 75	Both	131.25	132.31	1934		NRH-NRM-28ABC	PC7	7.0							HAWARDEN	GRAVEL	2		

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
BA-200	04-15-25	Steel Beam Guardrail Components
BA-201	10-18-22	Steel Beam Guardrail Barrier Transition Section (MASH TL-3)
BA-202	04-15-25	Steel Beam Guardrail Bolted End Anchor
BA-205	10-17-23	Steel Beam Guardrail Tangent End Terminal (MASH TL-3)
EW-301	04-16-24	Guardrail Grading
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-115	04-15-25	Grooving for Line Types
PM-116	04-16-24	Grooving for Symbols and Legends
PM-210	10-15-24	Separation in Two-Lane Roadway
PM-550	10-15-24	Two-Lane Roadway with Two-Way Left Turn Lane
PV-13	04-16-24	Milled Centerline Rumble Strips
SI-173	04-19-16	Object Markers
SI-211	10-18-22	Object Marker and Delineator Placement with Guardrail
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-213	04-18-23	Lane Closure with Flaggers
TC-214	04-18-23	Lane Closure with Flaggers for use with Pilot Car
TC-231	04-18-23	Slow Moving Vehicle Operating in the Traffic Lane
TC-233	10-17-17	Pavement Marking Operations Two-Lane
TC-252	04-21-20	Routes Closed to Traffic
TC-402	04-18-23	Work Within 15 ft of Traveled Way
TC-418	04-18-23	Lane Closure on Divided Highway

SAFETY CLOSURES

Refer to Section 2528 of the Standard Specifications

Station	Road Closure Qty.	Hazard Closure Qty.	Remarks
48+30.00	1		Begin construction north of Jct IA 60
240+24.00	1		End construction South of Jct IA 10

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.

*BCY4 - Place on the same side of the roadway to match existing markings near the project.

**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.

***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17	BCY6: Broken Centerline (Yellow) @ 0.25	BLC6: Broken Line Contrast (White/Black) @ 0.50	BLW4: Broken Lane Line (White) @ 0.17	BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00	CHW8: Channelizing Line (White) @ 1.33	CHW10: Channelizing Line (White) @ 1.67	CHY8: Channelizing Line (Yellow) @ 1.33	CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00	DCY4: Double Centerline (Yellow) @ 1.34	DCY6: Double Centerline (Yellow) @ 2.00	DDY4: Double Dotted Line (Yellow) @ 0.44	DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22	DLW6: Dotted Line (White) @ 0.33	DLY4: Dotted Line (Yellow) @ 0.22	DLY6: Dotted Line (Yellow) @ 0.33	ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00	ELY4: Edge Line Left (Yellow) @ 0.67	ELY6: Edge Line Left (Yellow) @ 1.00	LDW8: Lane Drop (White) @ 0.33	LDW10: Lane Drop (White) @ 0.42
MNY6: Median Nose (Yellow) @ 1.00	NPY4: No Passing Zone Line (Yellow) @ 0.84	NPY6: No Passing Zone Line (Yellow) @ 1.25	RLW4: Ramp Edge Line Right (White) @ 0.67	RLW6: Ramp Edge Line Right (White) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67	RLY6: Ramp Edge Line Left (Yellow) @ 1.00	SLW2: Stop Line (White) @ 4.00	SLW4: Solid Lane Line (White) @ 0.67	SLW6: Solid Lane Line (White) @ 1.00
SPW4: Sloped Curb 4" (White) @ 2.16	SPW6: Sloped Curb 6" (White) @ 2.28	SPY4: Sloped Curb 4" (Yellow) @ 2.16	SPY6: Sloped Curb 6" (Yellow) @ 2.28	STW6: Standard Curb 6" (Yellow) @ 2.03
STY6: Standard Curb 6" (Yellow) @ 2.03	YLW2: Yield Line (White) @ 1.15			

BLW4: Broken Lane Line (White) @ 0.17	BLW6: Broken Lane Line (White) @ 0.25
CHY8: Channelizing Line (Yellow) @ 1.33	CHY10: Channelizing Line (Yellow) @ 1.67
DDY4: Double Dotted Line (Yellow) @ 0.44	DDY6: Double Dotted Line (Yellow) @ 0.67
DLY6: Dotted Line (Yellow) @ 0.33	ELW4: Edge Line Right (White) @ 0.67
LDW8: Lane Drop (White) @ 0.33	LDW10: Lane Drop (White) @ 0.42
RLW4: Ramp Edge Line Right (White) @ 0.67	RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67	SLW6: Solid Lane Line (White) @ 1.00
SPY6: Sloped Curb 6" (Yellow) @ 2.28	STW6: Standard Curb 6" (Yellow) @ 2.03

Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 Factored (STA)	BLW6 Factored (STA)	CBW6 Factored (STA)	CHY8 Factored (STA)	DCY6 Factored (STA)	ELW6 Factored (STA)	ELY6 Factored (STA)	NPY6** Factored (STA)	SLW6 Factored (STA)	YLW2 Factored (STA)	Remarks
US 75	48+30.00	240+24.00	191.94	Both	Waterborne/Solvent Paint	X	X	X		58.43				272.22	1202.78		283.69			SCRUB SEAL	
US 75	48+30.00	240+24.00	191.94	Both	Waterborne/Solvent Paint	X	X	X		58.43				272.22	1202.78		283.69			MICRO	
US 75	48+30.00	240+24.00	191.94	Both	Waterborne/Solvent Paint	X	X	X	Yes	1207.38					1202.78			4.60			PERMANENT
IA 60	15+00.00	867+19.00	852.19	All	Waterborne/Solvent Paint	X	X	X	Yes	3939.02		426.10			1804.43	1704.38			4.11		NB & SB PERMANENT
IA 10	51+00.00	124+37.24	489.46	Both	Waterborne/Solvent Paint	X	X	X	Yes	1654.01			2.00	1652.01							PERMANENT
US 75	48+30.00	240+24.00	191.94	Both	Waterborne/Solvent Paint		X				58.43				272.22			283.69			PERMANENT
IA 10	51+00.00	124+37.24	73.37	Both	Waterborne/Solvent Paint		X								11.12						NB & SB PERMANENT
IA 10	51+00.00	124+37.24	489.46	Both	Waterborne/Solvent Paint		X			61.96							163.31			PERMANENT	
Total:											6800.41	237.25	426.1	2	1652.01	827.78	5412.77	1704.38	1014.38	4.6	4.11

Do not groove centerline markings where rumbles will be placed.

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

108-29
4/15/25

Line No.	Roadway Identification	Station	Side	Pavement Symbol	Quantity (EA)	Groove Marking Needed?	Remarks
1.0	IA 10		Median	LTAW	35	Yes	Orange City

REMOVAL OF STEEL BEAM GUARDRAIL

(1) Lane(s) to which the installation is adjacent.
 (2) Includes length of End Terminals and End Anchors.

Line No.	No.	Direction of Traffic (1)	Station From	Station To	Side	Removal of Guardrail (2) (LF)
1.0		SB	62+26.50		Left	95.0
2.0		SB	62+26.50		Left	118.0
3.0		NB	62+26.50		Right	118.0
4.0		NB	62+26.50		Right	95.0
5.0		NB	86+27.30		Right	118.0
6.0		NB	86+27.30		Right	95.0
7.0		SB	86+27.30		Left	95.0
8.0		SB	86+27.30		Left	118.0
Total:						852

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	NB	Outside	60+89.69	22.0	BA-201	1	BA-205	1	53.125	25.00		47.67			3				1	B			37.5	
2.0	SB	Outside	60+78.31	22.0	BA-201	1	BA-205	1	53.125			47.67			3			1		B			12.5	
3.0	NB	Outside	63+24.35	22.0	BA-201	1	BA-205	1	53.125			47.67			3			1		B			12.5	
4.0	SB	Outside	63+12.97	22.0	BA-201	1	BA-205	1	53.125	25.00		47.67			3				1	B			37.5	
5.0	NB	Outside	85+04.31	22.0	BA-201	1	BA-205	1	53.125	25.00		47.67			3				1	B			37.5	
6.0	SB	Outside	85+15.69	22.0	BA-201	1	BA-205	1	53.125			47.67			3			1		B			12.5	
7.0	NB	Outside	87+38.97	22.0	BA-201	1	BA-205	1	53.125			47.67			3			1		B			12.5	
8.0	SB	Outside	87+50.35	22.0	BA-201	1	BA-205	1	53.125	25.00		47.67			3				1	B			37.5	

GRADING FOR GUARDRAIL INSTALLATIONS

Refer to EW-301.

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

Line No.	Direction of Traffic (1)	Station	Side	Foreslope at Guardrail	X1 (FT)	Y1 (FT)	X2 (FT)	Y2 (FT)	X3 (FT)	Y3 (FT)	X4 (FT)	Y4 (FT)	Z (FT)	Excavation Class 10 (CY)	Embankment-in-Place (CY)	Remarks
1.0	NB	60+89.69		4	53.1	5.0	69.6	6.4		125.7	8.3	51.0				Match existing conditions
2.0	SB	60+78.31		4	53.1	5.0				100.8	6.6	45.0				Match existing conditions
3.0	NB	63+24.35		4	53.1	5.0				100.8	6.6	45.0				Match existing conditions
4.0	SB	63+12.97		4	53.1	5.0	69.6	6.4		125.7	8.3	51.0				Match existing conditions
5.0	NB	85+04.31		4	53.1	5.0	69.6	6.4		125.7	8.3	51.0				Match existing conditions
6.0	SB	85+15.69		4	53.1	5.0				100.8	6.6	45.0				Match existing conditions
7.0	NB	87+38.97		4	53.1	5.0				100.8	6.6	45.0				Match existing conditions
8.0	SB	87+50.35		4	53.1	5.0	69.6	6.4		125.7	8.3	51.0				Match existing conditions

MILLED RUMBLE STRIPS

* Calculated at 18" width for Shoulder.

** For use with penetrating Engineered Fog Seal. Calculated at 2" wider than rumble strips.

Line No.	Road Identification	Station From	Station To	Shoulder Pavement Type	Rumble Strip Lane	Rumble Strip Type	Fog Seal Type	L (IN)	PCC Length (STA)	HMA Length (STA)	Fog Seal* Shoulder (GAL)	Fog Seal (SY)**	Effective Shoulder Width PCC (FT)	Effective Shoulder Width HMA (FT)	Effective Shoulder Width Granular\Earth (FT)	Remarks
1.0	US 75	48+30.00	409+96.80		Centerline	Milled				361.67						
2.0	US 75	+.01	240+24.00		Centerline	Milled				240.24						

PROPOSED POSTED SPEED LIMIT

Line No.	Roadway Identification	Station From	Station To	Proposed Posted Speed	Remarks
1.0	US 75	101+05.00	410+00.00	over 45	
2.0	US 75	+.00	291+90.00	over 45	

232_03A
9/28/22

EROSION CONTROL (RURAL SEEDING)

Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications.

Following the completion of work in a disturbed area and according to the seeding dates in Section 2601 of the Standard Specifications, place seed, fertilizer, and mulch on the disturbed area lying 8 feet adjacent to shoulder and median as follows:

Place seed and fertilize according to the requirements of Article 2601.03,C,3 and Section 4169 of the Standard Specifications.

Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are all incidental to mobilization and will not be paid for separately.

232_11
6/21/23

EROSION CONTROL (STABILIZING CROP SEEDING)

Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications.

If outside of permanent seeding dates in Section 2601 of the Standard Specifications, or if required by a storm water permit, place stabilizing crop, fertilizer, and mulch on the disturbed area as follows:

Place seed and fertilize according to the requirements of Article 2601.03,C,1 and Section 4169 of the Standard Specifications.

Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will not be paid for separately.

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.

TRAFFIC CONTROL PLAN

1. Through traffic will be maintained on the project at all times, except as noted below.
2. From the beginning of the Scrub Seal operation until the microsurfacing has been placed through traffic will be detoured. See detour routes on Sheets A.3 and detour signing layout on Sheet J.3 for additional information. The Contractor shall place and maintain the detour signs for this project.
3. Traffic control on this project shall be found in accordance with the TC series of Standard Road Plans found in Tabulation 105-4 and/or appropriate Detail Sheets included in the plans. For additional complementary information, refer to part VI of the Manual on Uniform Traffic Control Devices and the current Standard Specifications.
4. The contractor shall coordinate traffic control with other projects in the area.
5. Contractor shall notify the Engineer 14 days prior to start of the detour.

STAGING NOTES

Stage 1: Patching of detour and mainline project and detour signing, grooving, and painting.

Stage 2: Close US 75 at the beginning of the scrub seal until completion of the microsurfacing. Maintain all paved and unpaved side roads open except when scrub seal and microsurfacing are being placed at the side road. No two consecutive side roads can be closed at the same time. Replace any pavement markings that are covered or obliterated on a daily basis.

Stage 3: Reopen US 75 and complete remaining work on project.

General:

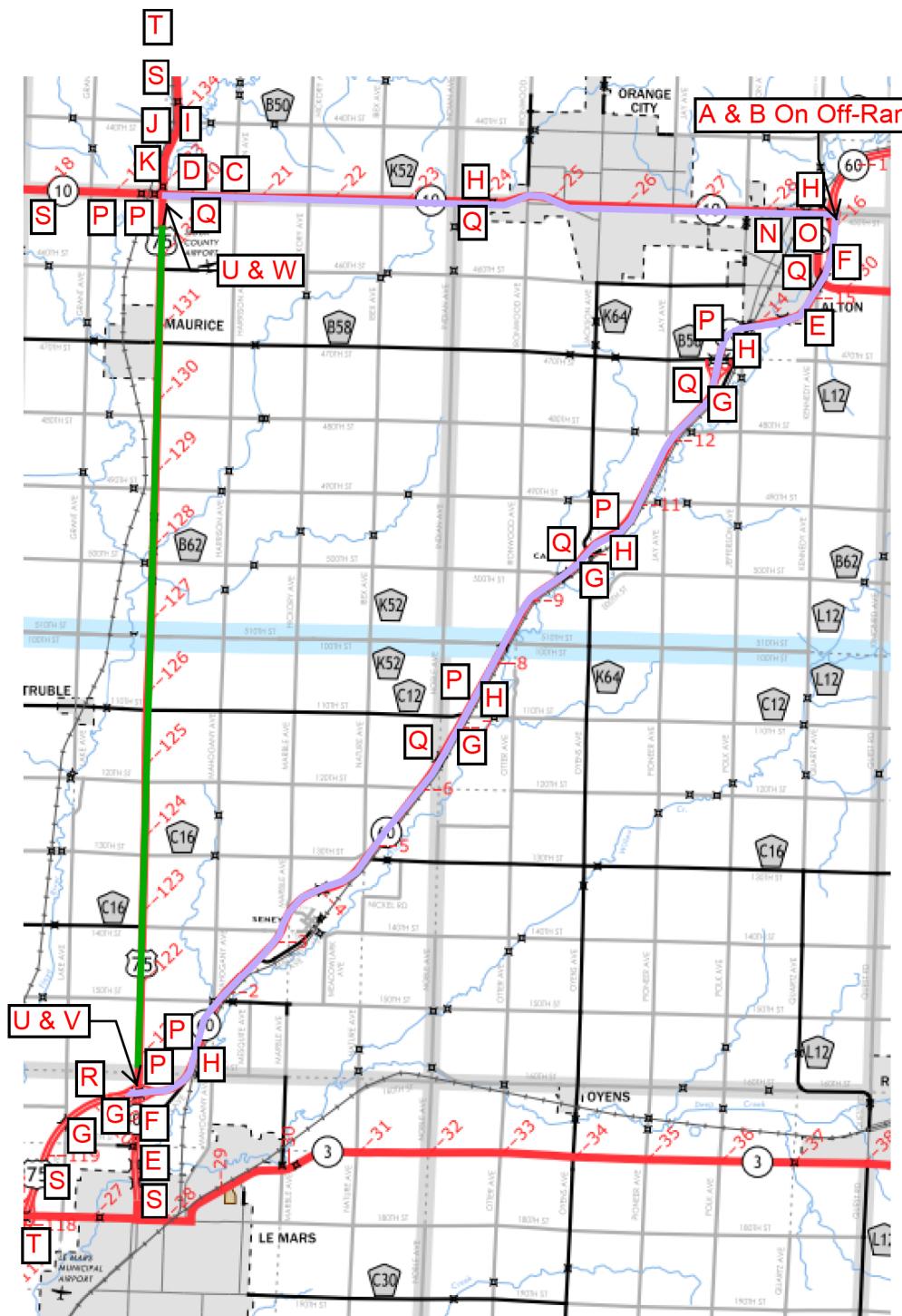
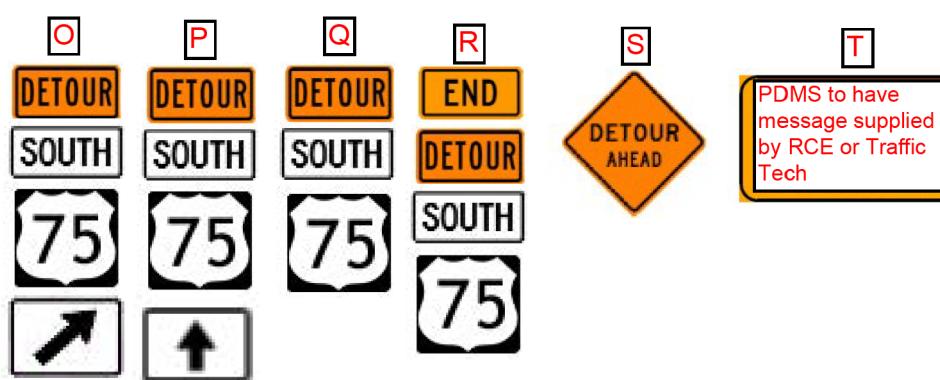
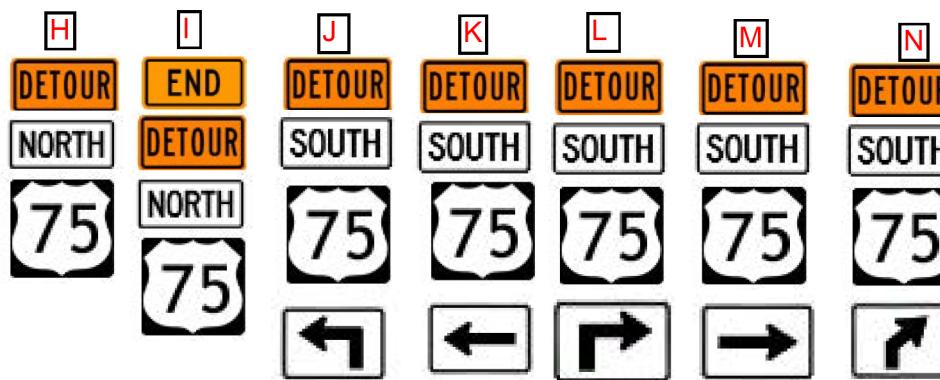
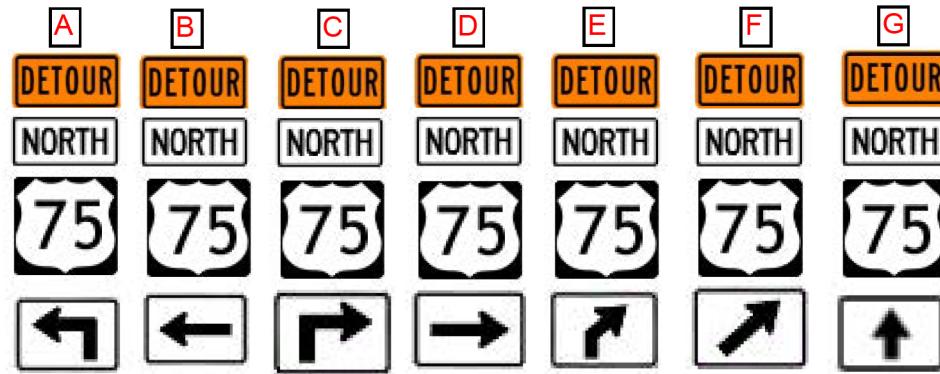
1. Contractor shall be responsible for repairing shoulders, foreslope, and ditch damaged by traffic & construction operations.
2. Contractor shall maintain access to adjacent properties throughout the construction of the project.
3. Signs will become possession of the Iowa DOT at the end of the project.

Contact Troy Clouse - Area Supervisor 712.261.0051 (Cell)

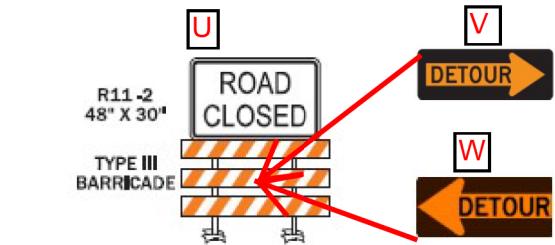
Le Mars Garage - Phone: 712.546.6401

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 75	NB	Plymouth	0.4 mi N of IA 60 to 0.5 mi S of IA 10				Detour					
2.0	US 75	NB	Sioux	0.4 mi N of IA 60 to 0.5 mi S of IA 10				Detour					
3.0	US 75	NB	Plymouth	0.4 mi N of IA 60 to 0.5 mi S of IA 10		Traffic Control Device		Horizontal					Patching and Guardrail
4.0	US 75	NB	Sioux	0.4 mi N of IA 60 to 0.5 mi S of IA 10		Traffic Control Device		Horizontal					Patching and Guardrail



Signs will become possession of the Iowa DOT at the end of the project.
Contact Troy Clouse - Area Supervisor 712.261.0051 (Cell)
Le Mars Garage - Phone: 712.546.6401



Project Limits

Detour

All Detour Signing will be fabricated, installed, maintained and removed by the Contractor.

Any permanent signing that conflicts with the detour signing being installed should be temporarily covered.

Care should be taken to not block visibility of other signing while installing temporary detour signing. Spacing needs to be maintained based on MUTCD requirements.

Detour Route will be IA 60 northeast from the US 75/IA 60 interchange to the IA 60/IA 10 interchange; then west on IA 10 until the intersection with US 75 and the reverse.

Sign	MUTCD	Size	#
Detour	M4-8	24x12	38
North	M3-1	24x12	20
South	M3-3	24x12	18
End	M4-8B	24x12	2
US 75 Shield	M1-4A	6x6	38
Advance Turn Arrow Left 90	M5-1B	21x15	2
Single Left Arrow	M6-1	21x15	2
Advance Turn Arrow Right 90	N5-1	21x15	1
Single Right Arrow	M6-1	21x15	1
Advance Turn Arrow Right 45	M5-2	21x15	3
Single Diagonal Right Arrow	M6-2	21x15	3
Straight Up Arrow	M6-3	21x15	9
Detour on Right Arrow	M4-10R	48x18	1
Detour on Left Arrow	M4-10L	48x18	1
Road Closed	R11-2	48x30	2
Type III Barricades	N/A	N/A	2
Detour Ahead	W20-2	48x48	4
PDMS	N/A	N/A	2