DAVIS COUNTY

1524 - HMA Resurfacing with Milling
NHSX-002-8(038)--3H-26

LETTING DATE
DEC 15, 2026

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 5	Typical Cross Sections and Details
B.6	Existing Typicals FOR INFO ONLY
C Sheets	**Quantities and General Information**
C.1 - 2	Estimated Project Quantities and Reference Notes
C.3	Project Description
C.4	Index of Tabulations
C.5	Existing Pavement
C.6	Incidental Items
C.7	Standard Road Plans
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C.23	General Notes
D Sheets	**Mainline Plan Sheets**
D.1 - 11	Plan & Profile Legend & Symbol Information Sheet
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
J.2	511 Travel Restrictions
J.3	Staging Notes
J.4	Coordinated Operations

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

DAVIS COUNTY

1524 - HMA Resurfacing with Milling

IA 2
APPANOOSE COUNTY LINE
TO WEST GROVE

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.13 of the Specifications.

IOWA ONE CALL
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www.iowaonecall.com
Know what's below. Call before you dig.

REVISIONS

TOTAL
45
PROJECT IDENTIFICATION NUMBER
26-26-002-010
PROJECT NUMBER
NHSX-002-8(038)--3H-26
R.O.W. PROJECT NUMBER
-
-
-



Scan the QR code or click the link below to leave plan quality feedback and help us improve future projects.

DESIGN DATA RURAL			
20 27	AADT	1800	V.P.D.
20 --	AADT	--	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		19	%
Total Design ESALs		--	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	JARED A. ROBERTS	Primary Signature Block	C.1-C.2

PROFESSIONAL ENGINEER
LICENSED
JARED
ANTHONY
ROBERTS
30125
IOWA

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 _____ Date 10/6/2026

Jared A. Roberts
Printed or Typed Name

My license renewal date is December 31, 2026

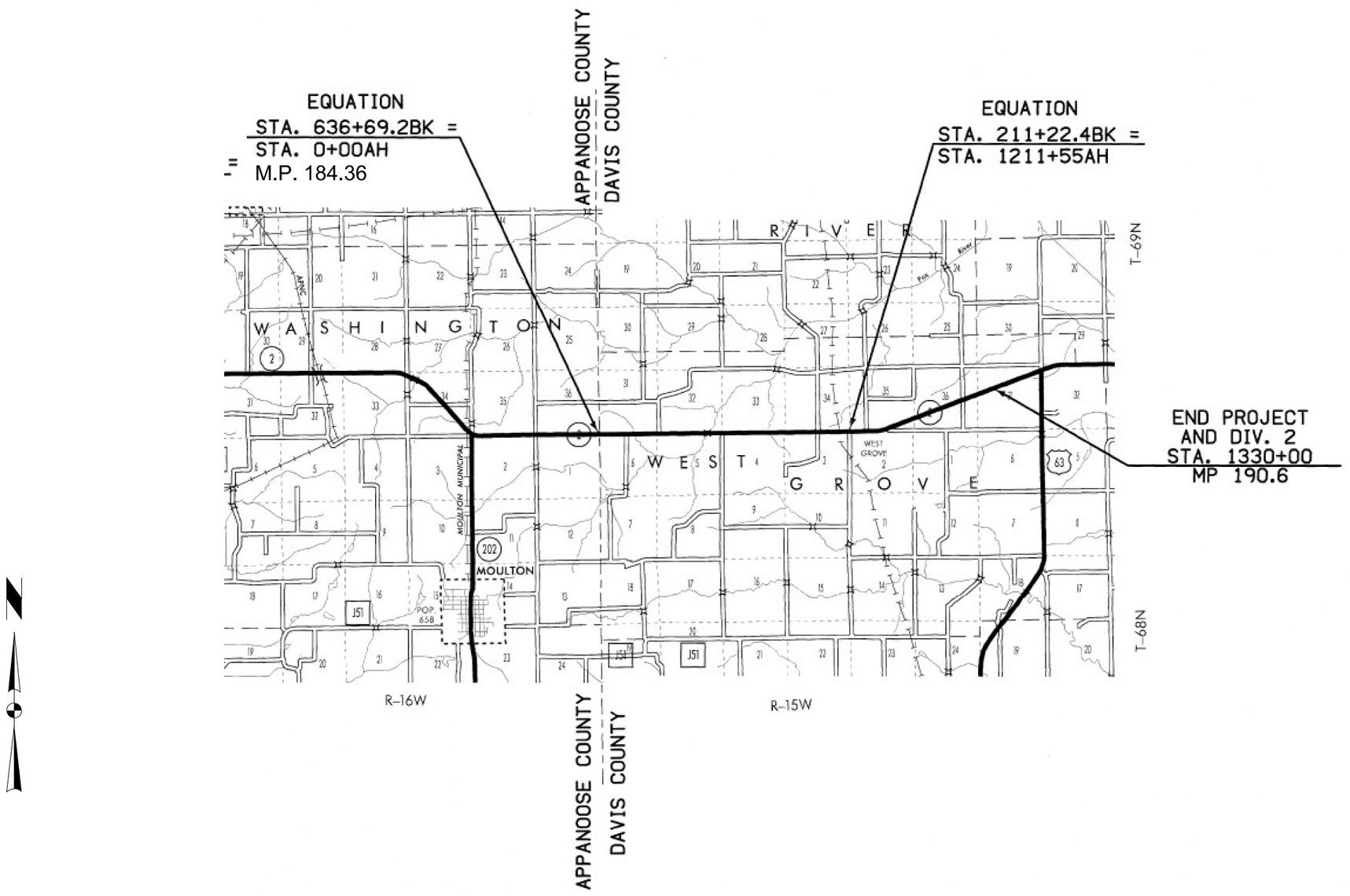
Pages or sheets covered by this seal:

X _____

X _____

FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER A.1	

10:55:15 AM 10/5/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\2600201026\DistrictDesign\NHSX-002-8(038)--3H-26\Working\SHT_26-0028-038_A01.dgn

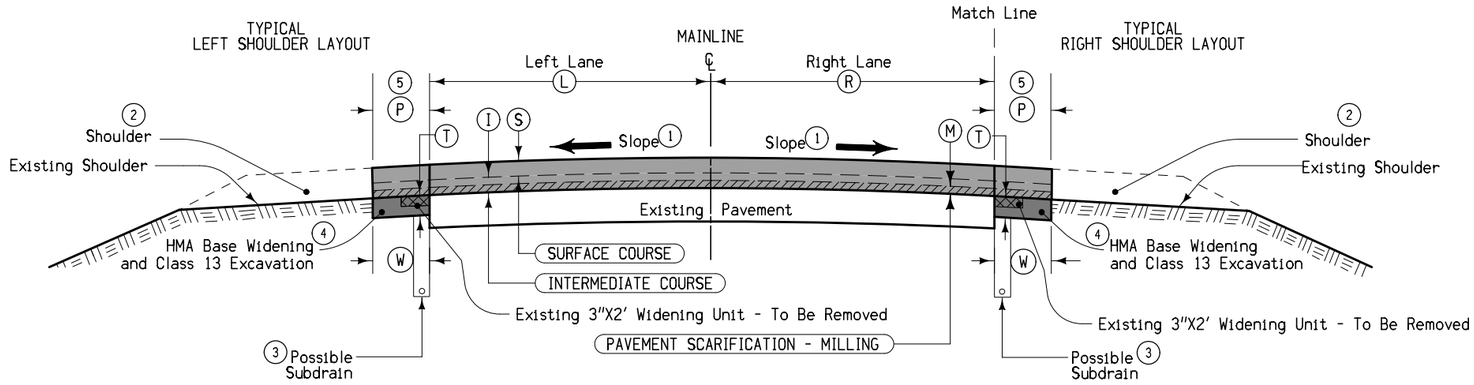


LOCATION MAP SCALE
0 0.1 0.2 0.3
Miles

FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER A.2

10:55:16 AM 10/5/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\2600201026\DistrictDesign\NHSX-002-8(038)–3H-26\Working\SHT_26-0028-038_A01.dgn

2617 Rura
MODIFIED



3R_Overlay
Modified

STATION TO STATION		(L) Feet	(R) Feet	(S) Inches	(I) Inches	(M) Inches	Length Feet
0+00.00	211+22.43	12.0	12.0	1.5	1.5	2.0	21122.43
1245+00.00	1330+00.00	12.0	12.0	1.5	1.5	2.0	8500.00

Combination Shoulder with Widening
LEFT/WESTBOUND

Shoulder Jointing:
Longitudinal joint: B

3R_Shldr_Paved_
Modified

STATION TO STATION		(S) Inches	(I) Inches	(W)④ Feet	(P)⑤ Feet	(T) Inches	Length Feet	REMARKS
0+00.00	70+93.69	1.5	1.5	4.0	4.0	5.0	7093.69	
71+40.08	211+22.43	1.5	1.5	4.0	4.0	5.0	13982.35	
1245+00.00	1330+00.00	1.5	1.5	4.0	4.0	5.0	8500.00	

Combination Shoulder with Widening
RIGHT/EASTBOUND

Shoulder Jointing:
Longitudinal joint: B

3R_Shldr_Paved_
Modified

STATION TO STATION		(S) Inches	(I) Inches	(W)④ Feet	(P)⑤ Feet	(T) Inches	Length Feet	REMARKS
0+00.00	211+22.43	1.5	1.5	4.0	4.0	5.0	21122.43	
1245+00.00	1330+00.00	1.5	1.5	4.0	4.0	5.0	8500.00	

① Finished slope shall match existing pavement except the minimum allowable slope is 2.0% and the maximum allowable slope is 3.0%. Section may be modified as directed by the Engineer through areas of special shaping.

② Refer to shoulder typical 7152 modified for granular shoulder.

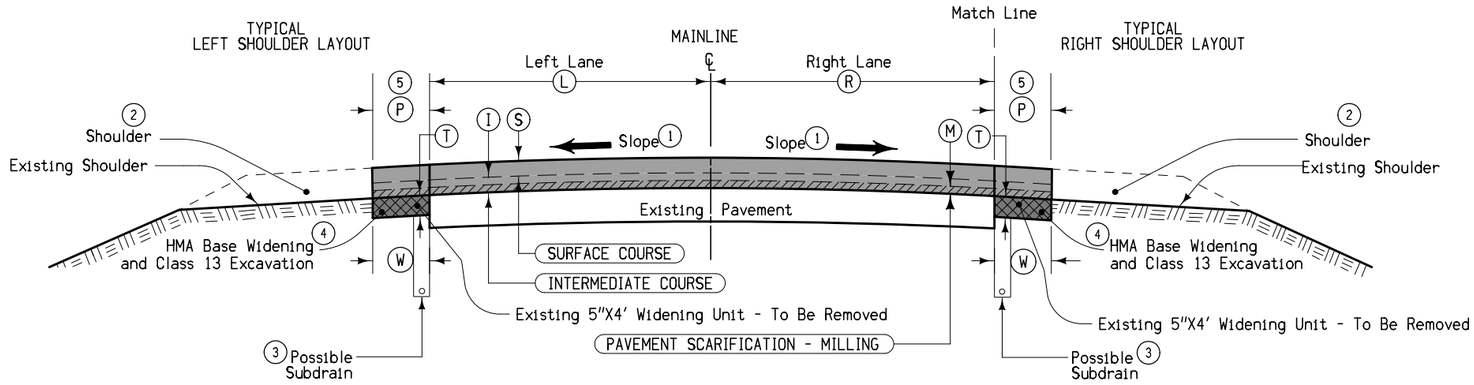
③ UAC existing subdrain. All existing subdrain shall remain functional at all times (do not plug or crush).

④ Base Widening (W) quantities are not included with Resurfacing quantities and can be found on Tab 106-5, Base Widening on C sheets.
Ⓦ = Base Widening width on Tab 106-5, Base Widening.
See Standard Road Plan PV-203.

⑤Ⓟ = Paved Shoulder width included in width column on Tab 100-25, HMA Pavement on C sheets.

RURAL
TYPICAL CROSS SECTION
HMA RESURFACING WITH BASE WIDENING

2617 Urban
MODIFIED



3R_Overlay
Modified

STATION TO STATION		(L) Feet	(R) Feet	(S) Inches	(I) Inches	(M) Inches	Length Feet
1211+55.00	1245+00.00	12.0	12.0	1.5	1.5	2.0	3345.0

Combination Shoulder
LEFT/WESTBOUND

Shoulder Jointing:
Longitudinal joint: B

3R_Shldr_Paved_
Modified

STATION TO STATION		(S) Inches	(I) Inches	(W)(4) Feet	(P)(5) Feet	(T) Inches	Length Feet	REMARKS
1211+55.00	1245+00.00	1.5	1.5	4.0	4.0	5.0	3345.0	

Combination Shoulder
RIGHT/EASTBOUND

Shoulder Jointing:
Longitudinal joint: B

3R_Shldr_Paved_
Modified

STATION TO STATION		(S) Inches	(I) Inches	(W)(4) Feet	(P)(5) Feet	(T) Inches	Length Feet	REMARKS
1211+55.00	1245+00.00	1.5	1.5	4.0	4.0	5.0	3345.0	

(1) Finished slope shall match existing pavement except the minimum allowable slope is 2.0% and the maximum allowable slope is 3.0%. Section may be modified as directed by the Engineer through areas of special shaping.

(2) Refer to shoulder typical 7135 modified for granular shoulder.

(3) UAC existing subdrain. All existing subdrain shall remain functional at all times (do not plug or crush).

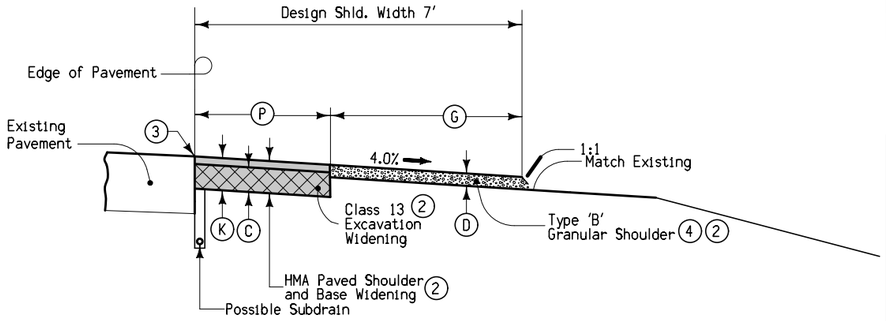
(5) (P) = Paved Shoulder width included in width column on Tab 100-25, HMA Pavement

URBAN
TYPICAL CROSS SECTION
HMA RESURFACING WITH BASE WIDENING

FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER B.2

1:11:32 PM 10/5/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\2600201026\DistrictDesign\NHSX-002-8(038)-3H-26\CADD_Files\Sheet_Files\SHT_26002038Z12_B.01.dgn

7152
MODIFIED



TYPICAL SECTION
RETROFIT HOT MIX ASPHALT PAVED SHOULDER WITH BASE WIDENING AND GRANULAR SHOULDERS

LOCATION				(P) (FT)	(G) (FT)	(K) (IN)	(C) (IN)	(D) (IN)
ROAD IDENTIFICATION	SIDE	STATION TO STATION						
IA 2	RT	0+00.00	26+23.52	4.0	3.0	8.0	5.0	3.0
IA 2	RT	27+03.57	105+92.85	4.0	3.0	8.0	5.0	3.0
IA 2	RT	106+72.85	210+86.32	4.0	3.0	8.0	5.0	3.0
IA 2	RT	1245+00.00	1308+63.50	4.0	3.0	8.0	5.0	3.0
IA 2	RT	1309+03.50	1330+00.00	4.0	3.0	8.0	5.0	3.0
IA 2	LT	0+00.00	53+06.67	4.0	3.0	8.0	5.0	3.0
IA 2	LT	53+86.67	71+16.62	4.0	3.0	8.0	5.0	3.0
IA 2	LT	71+16.62	184+32.55	4.0	3.0	8.0	5.0	3.0
IA 2	LT	184+82.55	186+32.16	4.0	3.0	8.0	5.0	3.0
IA 2	LT	186+82.16	211+22.43	4.0	3.0	8.0	5.0	3.0
IA 2	LT	1245+00.00	1308+74.39	4.0	3.0	8.0	5.0	3.0
IA 2	LT	1309+34.02	1330+00.00	4.0	3.0	8.0	5.0	3.0

(2) Bid Items.

(3) Provide a vertical edge. Incidental to Class 13 Excavation Widening.

(4) Place and compact material.

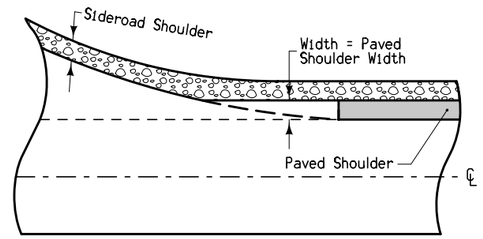
(5) See Standard Road Plan PV-301 for shoulder cross slope variation along superelevated horizontal curves.

Additional details and quantities can be found on Tab 112-9, C sheets.

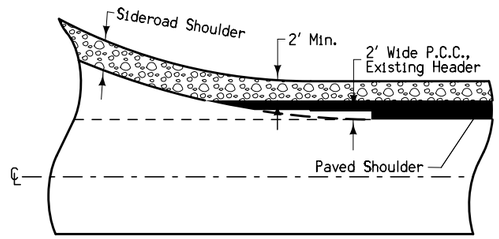
Refer to Typical 7148 on Sheet B. 3 for additional details, filllet for non-paved side roads and entrances.

See D sheets for additional information.

7154B
10-19-21



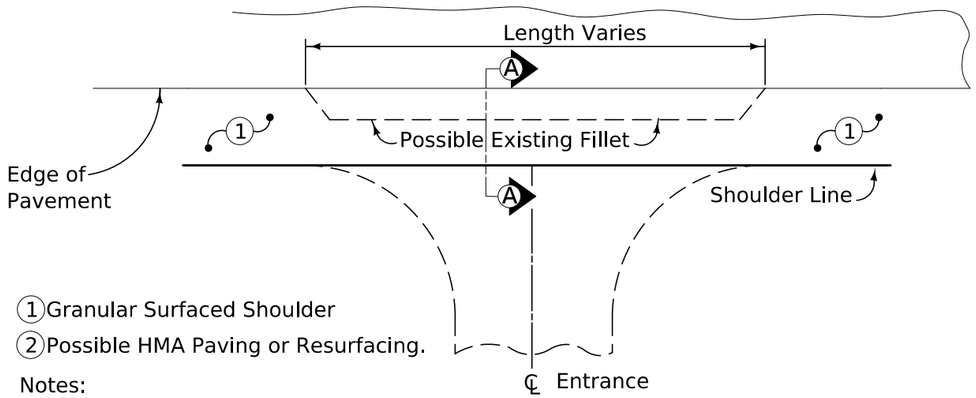
With Newly Constructed Returns



At UAC Returns

PAVED SHOULDER DETAIL AT RETURNS

7117
10-02-01

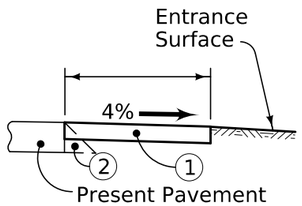


(1) Granular Surfaced Shoulder

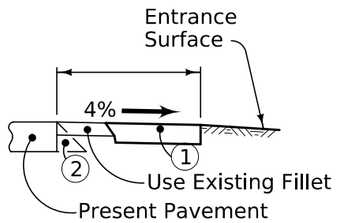
(2) Possible HMA Paving or Resurfacing.

Notes:

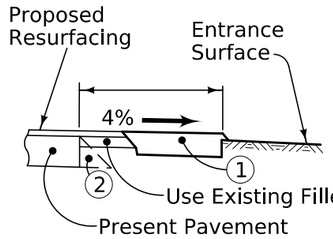
Where hot mix asphalt entrance fillets have been previously installed, they shall be used as constructed. The Granular shoulder material shall be placed around the fillet.



Section A-A
Without Fillet



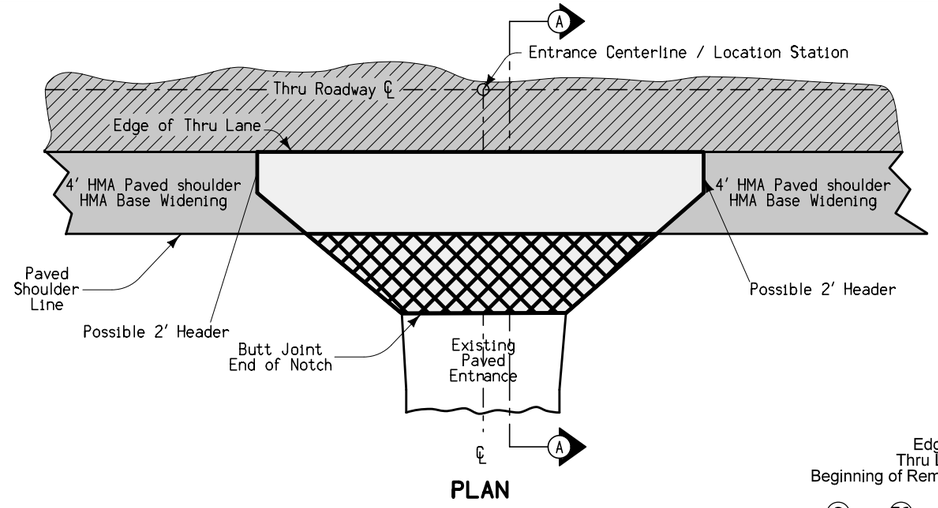
Section A-A
With Previous Fillet



Section A-A
With Previous Fillet
And Resurfacing Less than 1½"

GRANULAR SHOULDER CONSTRUCTION THRU ENTRANCES

EX-ENT01
Modified

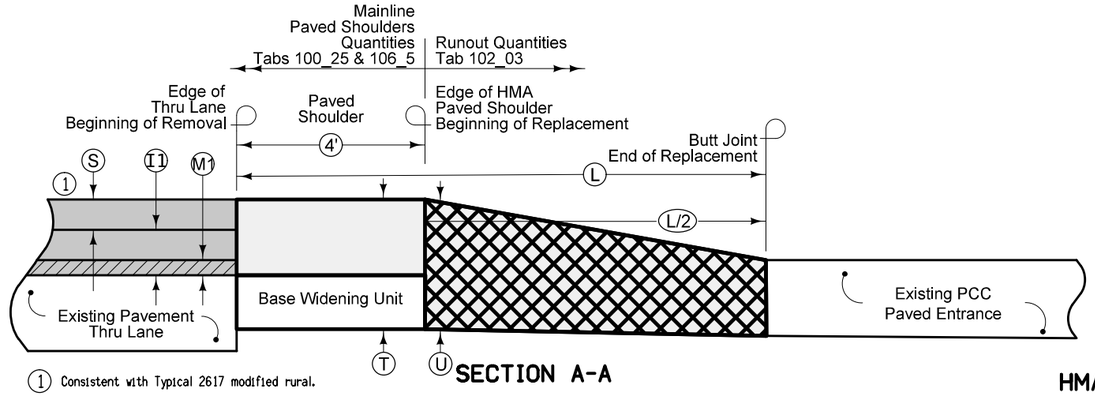


PLAN

Ⓢ Surface Course
Ⓘ# Intermediate Course
Ⓜ# Milling

PAVED ENTRANCE TABULATION

LOCATION STATION	Ⓢ Inches	Ⓘ1 Inches	Ⓣ Inches	Ⓤ Inches	Ⓜ1 Inches	Ⓛ Feet	REMARKS
71+16.62	1.5	1.5	8.0	8.0	2.0	8.5	PCC Drive LT



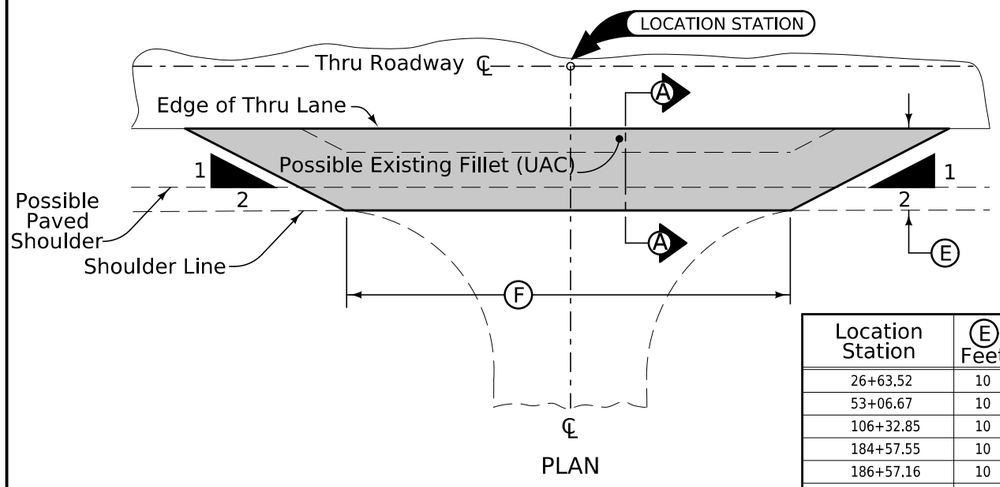
① Consistent with Typical 2617 modified rural.

SECTION A-A

See Tabs 100_25, 102_03, 110_08 and 106_5 on C sheets for additional information.

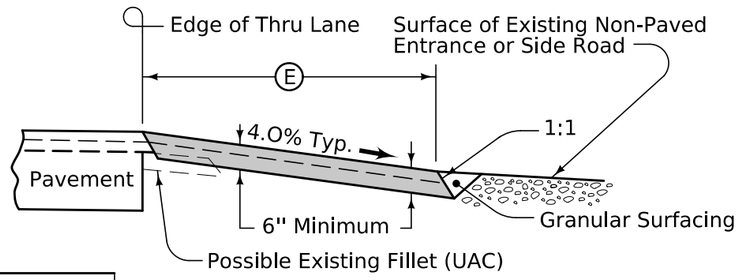
1 LOCATION RURAL
HMA PAVED SHOULDER DETAIL
AT EXISTING PCC PAVED ENTRANCE/DRIVEWAY

7148
10-21-14



PLAN

Location Station	Ⓔ Feet	Ⓕ Feet	REMARKS
26+63.52	10	80	Acorn Ave
53+06.67	10	80	Balsa Ave
106+32.85	10	80	Cedar Ave
184+57.55	10	50	Driftwood Blvd
186+57.16	10	50	Driftwood Blvd
211+16.32	10	60	Ebony Ave
1217+43.21	10	40	Emerald Ave
1220+01.91	10	40	Emery Ave
1223+82.32	10	40	Eden Ave
1225+43.81	10	40	Echo Ave
1227+07.04	10	40	Esker Ave
1242+47.84	10	50	230th St
1308+83.50	10	40	Flora Ave
1309+04.39	10	50	Flora Ave



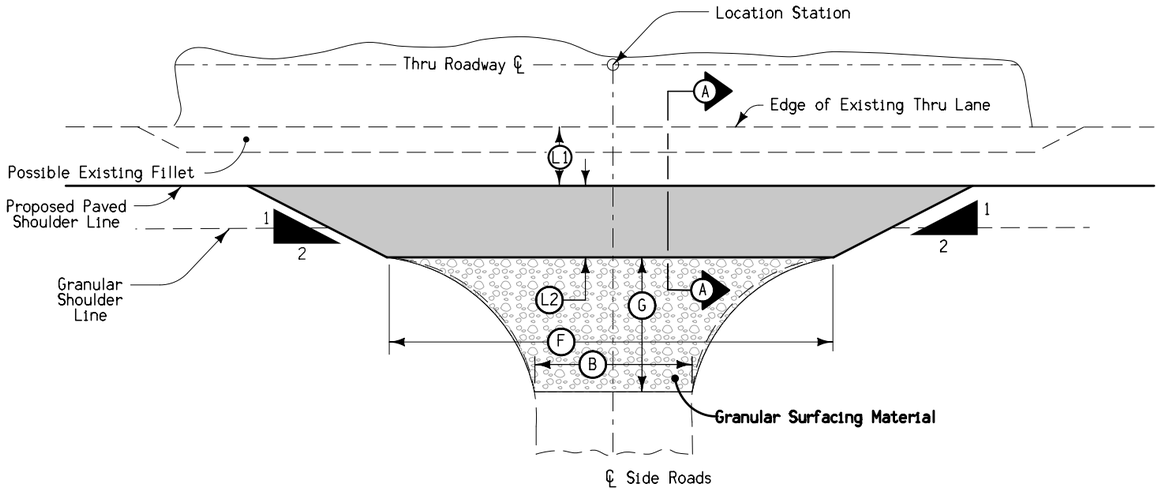
SECTION A-A

Special shaping of existing surface prior to placement of fillet may be required by the Engineer and is incidental to other work on the project.

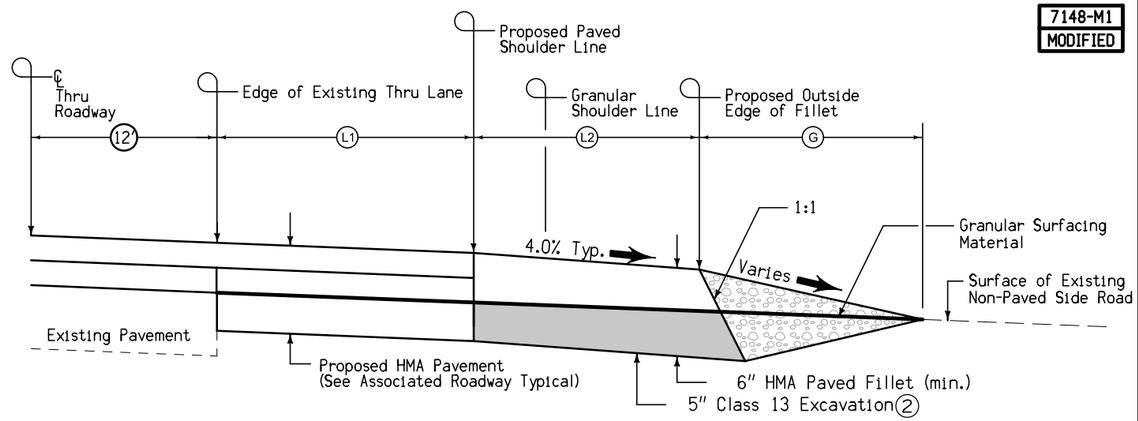
Quantities included with shoulder quantities.

14 LOCATIONS
HMA FILLET EXTENSION FOR
NON-PAVED SIDE ROADS

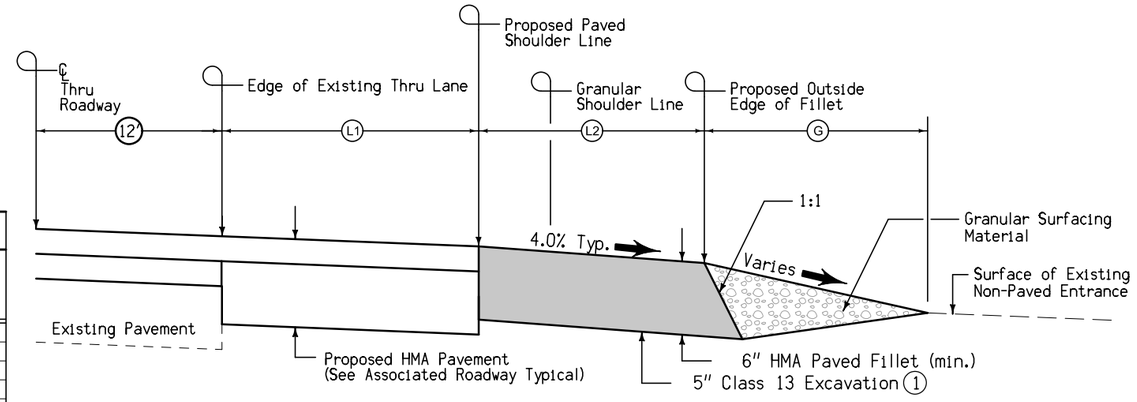
7148-M1
MODIFIED



PLAN



SECTION A-A for Side Roads



SECTION A-A for Entrances

	NON-PAVED ENTRANCES COUNT	SIDE	F	B	L1	L2	G	(2) CL 13 EXCAVATION, WASTE	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 6"	GRANULAR SURFACING ON ROAD, CL A (140 lbs/cf)	REMARKS
ENTRANCES	25	-	40 AVG	12 AVG	4	0	3				
SIDEROADS	14										
26+63.52		RT	80	23	4	6	3	8.52	61.33	4.20	ACORN AVE
53+46.67		LT	80	23	4	6	3	8.52	61.33	4.20	BALSA AVE
106+32.85		RT	80	23	4	6	3	8.52	61.33	4.20	CEDAR AVE
184+57.55		LT	50	28	4	6	3	5.74	41.33	2.63	DRIFTWOOD BLVD
186+57.16		LT	50	28	4	6	3	5.74	41.33	2.63	DRIFTWOOD BLVD
211+16.32		RT	60	26	4	6	3	6.67	48.00	3.15	EBONY AVE
1217+43.21		RT	40	18	4	6	3	4.82	34.67	2.1	EMERALD AVE
1220+01.91		RT	40	18	4	6	3	4.82	34.67	2.1	EMERY AVE
1223+82.32		RT	40	18	4	6	3	4.82	34.67	2.1	EDEN AVE
1225+42.71		LT	40	20	4	6	3	4.82	34.67	2.1	ECHO AVE
1227+07.04		RT	40	18	4	6	3	4.82	34.67	2.1	ESKER AVE
1242+72.95		RT	50	24	4	6	3	5.74	41.33	2.63	230TH ST
1308+83.50		RT	40	22	4	6	3	4.82	34.67	2.1	FLORA AVE
1309+04.21		LT	60	28	4	6	3	6.67	48.00	3.15	FLORA AVE
Class 13 Excavation / Granular Shoulder TOTALS								85.04	612.00	39.39	

(1) See Tab 106-5 on C sheets for quantity of CL13 Excavation For Widening.

(2) Bid Item

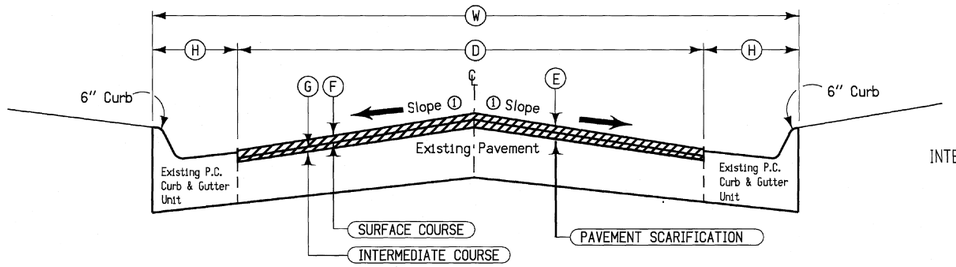
FILLET FOR NON-PAVED ENTRANCES AND ROADS

FILE NO. -	ENGLISH	DESIGN TEAM **MCELMEEL/ROBERTS/FREITAG**	**DAVIS** COUNTY	PROJECT NUMBER **NHSX-002-8(038)--3H-26**	SHEET NUMBER **B.5**

1:11:33 PM 10/5/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\2600201026\DistrictDesign\NHSX-002-8(038)–3H-26\CADD_Files\Sheet_Files\SHT_26002038Z12_B.01.dgn

2209
MODIFIED

DESIGN RATES	
ITEM	RATE
Surface Course	145 lbs./cu.ft
Intermediate Course	145 lbs./cu.ft
Tack Coat	0.05 gal./sq.yd.
Pavement Scarification	145 lbs./cu.ft



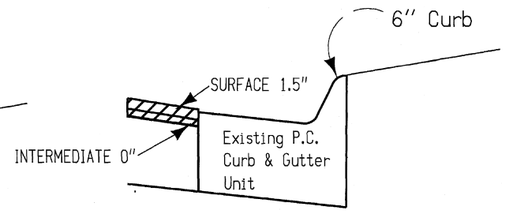


TABLE OF DESIGN QUANTITIES — Per Station

LOCATION			DIMENSIONS						TACK COAT	ASPHALT BINDER	HOT MIX ASPHALT Tons		PAVEMENT SCARIFICATION
ROAD IDENTIFICATION	STATION TO STATION		(W)	(D)	(H)	(E)	(F)	(G)	Gallons ②	Tons	SURFACE	INTERMEDIATE	Sq. Yds.
IA 2	101+75	107+44	31'	24'	3.5'	2"	1.5"	1.5"	26.67	2.61	21.75	21.75	266.67

Notes:

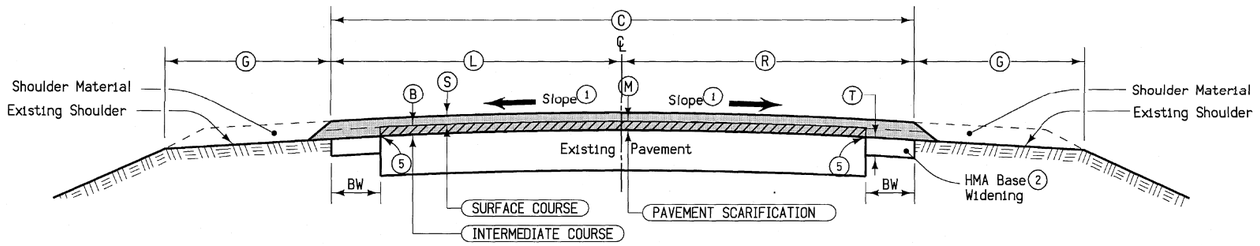
① Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Section may be modified as directed by the engineer through areas of special shaping.

② Quantity estimated for 2 applications.

TYPICAL CROSS SECTION HMA RESURFACING WITH PAVEMENT SCARIFICATION

2617
MODIFIED

Design Rates	
Item	Rate
Surface Course	145 lbs./cu. ft.
Intermediate Course	145 lbs./cu. ft.
Tack Coat	0.05 gal./sq. yd.
Pavement Scarification	145 lbs./cu. ft.



Location			Mainline Design Quantities Per Station											Design Quantities Per Side Per Station ② ⑥					
			(S)	(B)	(M)	(C)	(L)	(R)	Tack Coat	Asphalt Binder	Hot Mix Asphalt (Tons)			Pavement Scarification	(T)	(BW)	(G)	Granular Shoulders	Cl. 13 Excavation	
Road Identification	Station To Station		Inches	Inches	Inches	Feet ④	Feet	Feet	Gallons ③	Tons	Surface	Intermediate	Base ⑥	Sq. Yds.	Inches	Feet	Feet	Ton	Cu. Yds. ⑥	Remarks
Ia. 2	107+44	129+67	1.5	2.0		28	14	14	31.11	3.99	25.38	33.90	7.25		3.0	2.0	4.0	8.18	3.70	URBAN
Ia. 2 EQUATION	129+67BK = 0+00AH																			
Ia. 2	0+00	155+40.9	1.5	2.0		28	14	14	31.11	3.99	25.38	33.90	7.25		3.0	2.0	1.0	2.04	3.70	RURAL
Ia. 2 EQUATION	155+40.9BK = 282+00AH																			
Ia. 2	282+00	291+75	1.5	2.0		28	14	14	31.11	3.99	25.38	33.90	7.25		3.0	2.0	8.0	16.35	3.70	RURAL
Ia. 2 EQUATION	291+75BK = 165+12AH																			
Ia. 2	165+12	260+00	1.5	2.0		28	14	14	31.11	3.99	25.38	33.90	7.25		3.0	2.0	8.0	18.65	3.70	RURAL
Ia. 2	260+00	530+00	2.0	2.0		28	14	14	31.11	4.50	33.90	33.90	7.25		3.0	2.0	3.0	6.99	3.70	RURAL
Ia. 2	530+00	636+69.2	2.0	2.0	0.75	28	14	14	31.11	4.50	33.90	33.90	7.25	266.67	3.0	2.0	1.0	2.33	3.70	RURAL
Ia. 2 EQUATION	636+69.2BK = 0+00AH																			
Ia. 2	0+00	211+22.4	2.0	2.0	0.75	28	14	14	31.11	4.50	33.90	33.90	7.25	266.67	3.0	2.0	5.0	11.66	3.70	RURAL
Ia. 2 EQUATION	211+22.4BK = 1211+55AH																			
Ia. 2	1211+55	1245+00	2.0	2.0	0.75	32	16	16	35.56	5.52	38.74	38.74	14.50	266.67	3.0	4.0	3.0	6.99	7.41	RURAL
Ia. 2	1245+00	1330+00	2.0	2.0	2.00	28	14	14	31.11	4.50	33.90	33.90	7.25	266.67	3.0	2.0	5.0	11.66	3.70	RURAL

Notes:

① Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Section may be modified as directed by the Engineer through areas of special shaping.

Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.

② Base Widening, see Standard Road Plan RG-8.

③ Tack Coat estimated for 2 applications.

④ Width includes 24' wide mainline pavement.

⑤ Provide a vertical edge. Incidental to Class 13 Excavation.

⑥ HMA Base and Cl. 13 Excavation estimated for 2 sides.

TYPICAL CROSS SECTION HMA RESURFACING WITH BASE WIDENING AND PAVEMENT SCARIFICATION

ENGLISH	IOWA DOT	DESIGN TEAM Belgarde / ruddy	APPANOOSE/DAVIS COUNTY	PROJECT NUMBER STPN-2-7(41)--2J-04	SHEET NUMBER B.01

30-NOV-2007 10:03 sruddy v:\Projects\0400201006\DistrictDesign\04002041b.sht

FOR INFORMATION ONLY

FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER B.6

1:11:34 PM 10/5/2026 rfreita pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\2600201026\DistrictDesign\NHSX-002-8(038)-3H-26\CADD_Files\Sheet_Files\SHT_26002038Z12_B.01.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities Estimated Roadway Items	Estimate Reference Notes
1	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY	69.4	Dispose of excess material according to Article 1106.07 of the current specifications. Refer to tab 100_25 for locations and quantities. All material shall become property of the contractor and shall be removed from the project site.
2	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	2,905.68	Refer to Typical 7152 modified and 7117 on B sheets. Refer to Tab 112_09 in C Sheets for locations and quantities. 25% Contingency added to total for Irregularities.
3	2212-0475095	CLEANING AND PREPARATION OF BASE	MILE	6.24	This bid item includes: ____ miles of ramps __6.24__ miles of two lane roadway ____ miles of NB/EB four lane roadway ____ miles of SB/WB four lane roadway _6.24___ miles total
4	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	242.55	Refer to Tab 102-6C in the C Sheets. Tabulation includes 10% contingency. All material shall become property of the contractor and shall be removed from the project site.
5	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	21	Refer to Tab. 102-6C on C Sheets
6	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	3,654.3	Refer to Tab 106_05 in the C Sheets. All material shall become property of the contractor and shall be removed from the project site.
7	2213-8201050	BASE WIDENING, 5 IN. HOT MIX ASPHALT MIXTURE	SY	26,310.6	Refer to Typicals 2617 Rural modified, 7152 modified in the B sheets and Tab 106-5 in the C sheets for locations and quantities. HMA fillets will be included only at non-paved public gravel sideroads and not at entrances per Design Manual 7D-8. Trench through existing fillets and replace with HMA. See Detail 7148 modified.
8	2214-5145150	PAVEMENT SCARIFICATION, NOMINAL THICKNESS	SY	88,913.14	See Typicals 2617 Rural modified, 2617 Urban modified and EX-ENT01 modified in the B sheets for locations and details. See Tabs 100-25, and 102-16 for locations and additional information.

Item no.	Item Code	Item	Unit	Quantities Estimated Roadway Items	Estimate Reference Notes
9	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	7,632.78	See Typicals 2617 Rural Modified and 2617 Urban Modified on B Sheets and Tab 100_25 for locations and details. Quantities increased by 5% for irregularities. HMA fillets will be included only at non-paved public gravel sideroads and not at entrances per Design Manual 7D-8. Trench through existing fillets and replace with HMA. Refer to Detail 7148-M1 modified in the B sheets.
10	2303-1033504	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, FRICTION L-4	TON	7,690.03	
11	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	919.36	See Typicals 2617 Rural Modified and 2617 Urban Modified on B Sheets and Tab 100_25 for locations and details. Quantities increased by 5% for irregularities.
12	2312-8260051	GRANULAR SURFACING ON ROAD, CLASS A CRUSHED STONE	TON	39.39	See Typical 7148-M1 for side road granular surfacing details and locations adjacent to side road fillets.
13	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	SY	25	Refer to Tab 102_03 for location and details. Access to residence shall always be maintained.
14	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	45.96	A. Refer to Tab. 110-8 on C Sheets for location and details. B. Requires __92_ linear foot of full depth saw cut. Removed Driveway to become property of the contactor.
15	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY	LS	1	
16	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1	
17	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	7,957.4	Refer to Tab 108-22 in the C sheets for information and locations. Painted pavement markings shall be Waterborne/Solvent Paint type. Tab 108-22 in the C Sheets includes quantities for applications of Pavement Markings to temporary driving surfaces and the final driving surface.
18	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	1,056.16	Refer to Tab 108-22 in the C sheets for information and locations.
19	2528-8445110	TRAFFIC CONTROL	LS	1	As per current Standard Specifications and Road Plans. Refer to Tab 108-23A on sheet J.1 and Tab 108-26A on sheet J.3 for more information.
20	2533-4980005	MOBILIZATION	LS	1	
21	2548-0000100	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE	STA	507.44	Refer to Tab 112-10 on C Sheets for quantities and locations.
22	2548-0000110	ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS)	GAL	641.8	Refer to Tab 112-10 in the C sheets for locations and information.
23	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE	STA	296.22	Refer to Tab 112-10 on C Sheets for quantities and locations.

100_01D

8/15/22

PROJECT DESCRIPTION

This project involves the Milling and HMA Resurfacing of IA-2 from Appanoose County Line to West Grove in Davis County.

This project also includes full depth patching, base widening with paved shoulders, Type "B" granular shoulders, and centerline/shoulder rumble strips.

111_25
10/20/26

INDEX OF TABULATIONS

Line No.	Tabulation	Tabulation Title	Sheet No.
1.0	100_01D	PROJECT DESCRIPTION	C.3
2.0	111_25	INDEX OF TABULATIONS	C.4
3.0	102_05	EXISTING PAVEMENT	C.5
4.0	100_26	INCIDENTAL ITEMS	C.6
5.0	105_04	STANDARD ROAD PLANS	C.7
6.0	102_06C	FULL-DEPTH PATCHES	C.8
7.0	106_05	AREAS FOR PAVEMENT OR BASE WIDENING	C.9
8.0	102_16	NOTCHES AND RUNOUTS FOR RESURFACING	C.10
9.0	100_25	HMA PAVEMENT	C.11
10.0	112_09	SHOULDERS	C.13
11.0	112_10	MILLED RUMBLE STRIPS	C.15
12.0	108_22	PAVEMENT MARKING LINE TYPES	C.16
13.0	111_02	TABULATION OF REVISIONS	C.20
14.0	102_03	ACCESS POINTS AND SAFETY RAMPS	C.21
15.0	110_08	REMOVAL OF CONCRETE DRIVES	C.22

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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		IA-2		184.26	188.17	2008	1	STPN-2-7(41)--2J-04	HMA	2.0	HMA	2.0	HMA	3.0			JEFFERSON/KEO	C.LST.			
2.0						2008	1	STPN-2-7(41)--2J-04	HMA	2.0	HMA	2.0			SCR		JEFFERSON/KEO	C.LST.			
3.0						1991	1	FN-2-7(27)--21-04	AAC	2.0							DOUDS MINE	C.LST.			25MM RECYCLED
4.0						1979	1	FN-2-7(13)--21-04	BAC	1.0							LEMLEY	C.LST.			
5.0						1962	1	FN-153	AAC	3.0							SELMA/NEDRO	C.LST.			
6.0						1931	1	FA-153A&AB	PC7	7.0							EDDYVILE	GRAVEL	2		
7.0		IA-2		188.17	190.62	2008	1	STPN-2-7(41)--2J-04	HMA	2.0	HMA	2.0			SCR	2.0	JEFFERSON/KEO	C.LST.			
8.0						2008	1	STPN-2-7(41)--2J-04	HMA	2.0	HMA	2.0	HMA	3.0			JEFFERSON/KEO	C.LST.			
9.0						1991	1	FN-2-7(27)--21-04	AAC	2.0							DOUDS MINE	C.LST.			25MM RECYCLED
10.0						1979	1	FN-2-7(13)--21-04	BAC	1.0							LEMLEY	C.LST.			
11.0						1962	1	FN-153	AAC	3.0							SELMA/NEDRO	C.LST.			
12.0						1931	1	FA-153A & AB	PC7	7.0							EDDYVILE	GRAVEL	2		

INCIDENTAL ITEMS

Special or unique items where method of measurement / basis of payment is not indicated in the specifications or other contract documents.

Line No.	Incidental Item	Unit	Quantity	Incidental to Item Code	Incidental to Item	Remarks
1.0	Rural Seeding	Acre	1	2533-498005	Mobilization	Refer to General Note Tab 232-3A
2.0	Native Seeding	Acre	1	2533-498005	Mobilization	Refer to General Note Tab 232-3C
3.0	Erosion Control (Stabilizing Crop Seed)	Acre	1	2533-498005	Mobilization	Refer to General Note Tab 232-11
4.0	Mulching	Acre	1	2533-498005	Mobilization	

STANDARDS

The following Standards apply to construction work on this project.

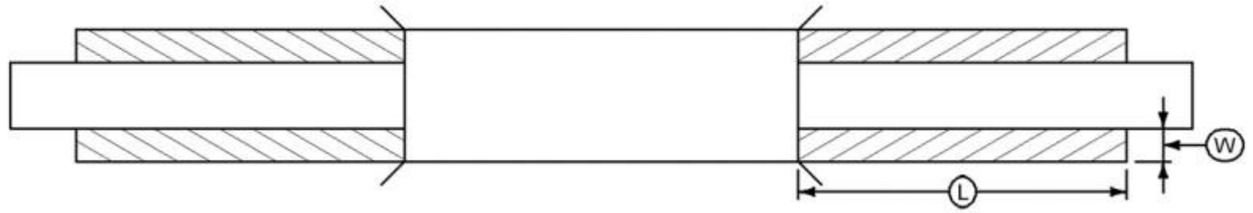
Number	Date	Title
MI-210	10-21-25	PCC Driveways and Alleys
PM-110	10/15/2024	Line Types
PM-115	10/20/2026	Grooving for Line Types
PM-420	10/20/2026	Two-Lane Roadway with no Turn Lanes (One-Way Stop Condition)
PM-520	10/20/2026	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PR-103	10/21/2025	Full Depth PCC Patch with Dowels
PR-202	10/21/2014	Notches for Resurfacing (with or without Runout)
PV-12	10/20/2026	Milled Shoulder Rumble Strips
PV-13	10/20/2026	Milled Centerline Rumble Strips
PV-101	10/20/2026	Joints
PV-202	4/21/2020	Hot Mix Asphalt Resurfacing
PV-203	4/21/2020	HMA Base Widening
PV-301	4/15/2025	Superelevation Details Two Lane Roadway
TC-1	10/15/2019	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	4/18/2023	Work Within 15 ft of Traveled Way
TC-212	4/18/2023	Spot Location Lane Closure with Flaggers
TC-213	4/18/2023	Lane Closure with Flaggers
TC-214	04-18-23	Lane Closure with Flaggers for use with Pilot Car
TC-216	4/18/2023	Lane Closure with Signals
TC-231	4/18/2023	Slow Moving Vehicle Operating in the Traffic Lane
TC-232	10/21/2014	Shoulder Rumble Strip Operations
TC-233	10/17/2017	Pavement Marking Operations Two-Lane
TC-282	10/15/2019	Uneven Lanes

FULL-DEPTH PATCHES

Line No.	Count	Station	Reference Location Sign	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	HMA Patches (SY)	Composite HMA (TON)	Subbase Patches (PR-140) (SY)	Subbase Patch with 'EF' Joint (PR-101) (SY)	Patch Subdrain PR-101 or PR-140 (No.)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1.0	1	1+32.00	184.285	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
2.0	1	35+48.16	184.932	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
3.0	1	54+27.84	185.288	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
4.0	1	56+17.92	185.324	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
5.0	1	91+08.00	185.985	EB	Left	10.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	15.6										do not replace as EF joint
6.0	1	94+08.96	186.042	EB	Left	10.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	15.6										do not replace as EF joint
7.0	1	125+13.60	186.63	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
8.0	1	148+42.08	187.071	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
9.0	1	160+56.48	187.301	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
10.0	1	164+15.52	187.369	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
11.0	1	183+48.00	187.735	EB	Left	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
12.0	1	35+48.16	184.932	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
13.0	1	54+27.84	185.288	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
14.0	1	56+17.92	185.324	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
15.0	1	91+08.00	185.985	EB	Right	10.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	15.6										do not replace as EF joint
16.0	1	94+08.96	186.042	EB	Right	10.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	15.6										do not replace as EF joint
17.0	1	125+13.60	186.63	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
18.0	1	148+42.08	187.071	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
19.0	1	160+56.48	187.301	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
20.0	1	164+15.52	187.369	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
21.0	1	183+48.00	187.735	EB	Right	6.0	14.0	15.0	Repair	PCC With Dowels (PR-103)	9.3										
Total	21										220.5										

10% added for irregularities.

AREAS FOR PAVEMENT OR BASE WIDENING



(1) Bid Item
(2) Estimated for two applications to achieve lifts and one application of 0.10 Gal/SY adjacent to existing pavement. Priming of subgrade or finished base is not required.

Line No.	Station From	Station To	Side	Pavement Type	Length (LF)	Width (LF)	Thickness (IN)	HMA Unit Wt. (lbs/cf)	HMA Base Widening (1) (TONS)	HMA Base Widening (1) (SY)	PCC Base Widening (1) (SY)	PCC Pavement Widening (1) (SY)	Tack Coat Unit Wt. (gal/sy)	Tack Coat Lifts (GAL)	Tack Coat Vertical Edge (GAL)	Tack Coat (2) (GAL)	Asphalt Binder (1) (TON)	Class 13 Excavation Widening (1) (CY)	Special Backfill Unit Weight (lbs-cf)	Special Backfill (1) (TONS)	Remarks
1.0	+.00	211+22.43	Right	HMA	21122.43	4.0	5.0	145		9387.8			0.50	9387.75	97.79	9485.54		1303.9			Station Eq. 211+22.43 BK 1211+55.00 AH
2.0	1211+55.00	1330+00.00	Right	HMA	11845.00	4.0	5.0	145		3777.8			0.50	3777.78	39.35	3817.13		524.7			
3.0	+.00	70+93.69	Left	HMA	7093.69	4.0	5.0	145		3152.8			0.50	3152.75	32.84	3185.59		437.9			
4.0	71+40.08	211+22.43	Left	HMA	13982.35	4.0	5.0	145		6214.4			0.50	6214.38	64.73	6279.11		863.1			Station Eq.211+22.43 BK 1211+55.00 AH
5.0	1211+55.00	1330+00.00	Left	HMA	11845.00	4.0	5.0	145		3777.8			0.50	3777.78	39.35	3817.13		524.7			
Total					65888.47				0.000	26310.6				26310.44			0.000	3654.3			

HMA Unit Weight 145 lbs/cf. Tack Coat Unit Weight 0.5 gal/sy.

All Class 13 material shall become property of the contractor and shall be removed from the project site.

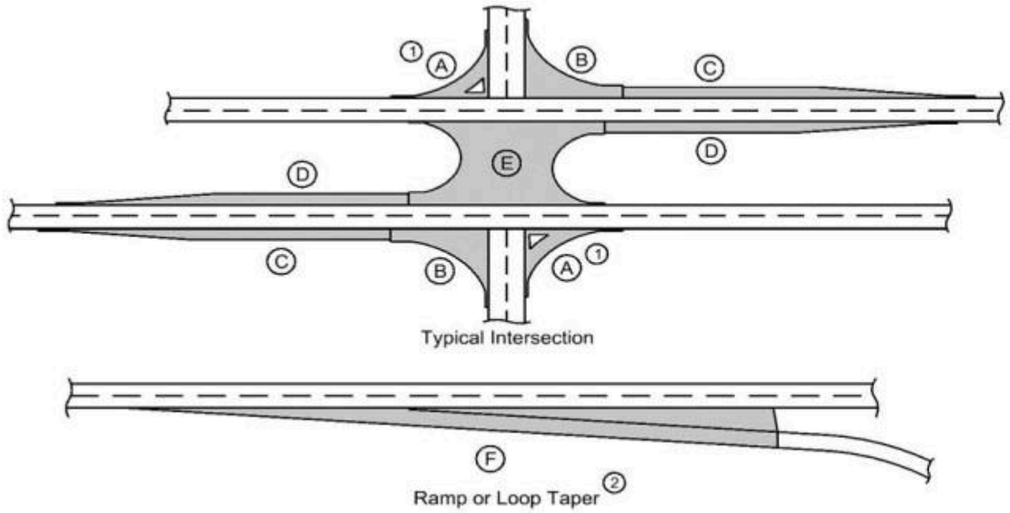
NOTCHES AND RUNOUTS FOR RESURFACING

Refer to PR-201 and PR-202.

(1) Bid item. Applies only to Types 'N1' and 'N3' on PR-202. Refer to 100-25 for remaining values.

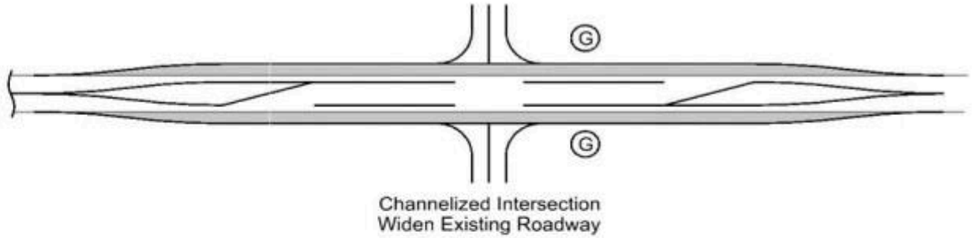
Line No.	Station	Type of Notch or Runout	S (IN)	I (IN)	DI (IN)	L (FT)	M (IN)	Pavement Scarification (SY) (1)	Remarks
1.0	+.00	Type N5	1.5	1.5		150.0	2.0	500.0	
2.0	1330+00.00	Type N5	1.5	1.5		150.0	2.0	500.0	
Total								1000.0	

HMA PAVEMENT

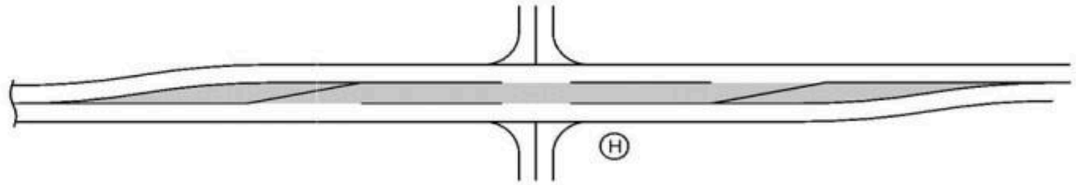


Typical Intersection

Ramp or Loop Taper



Channelized Intersection
Widen Existing Roadway

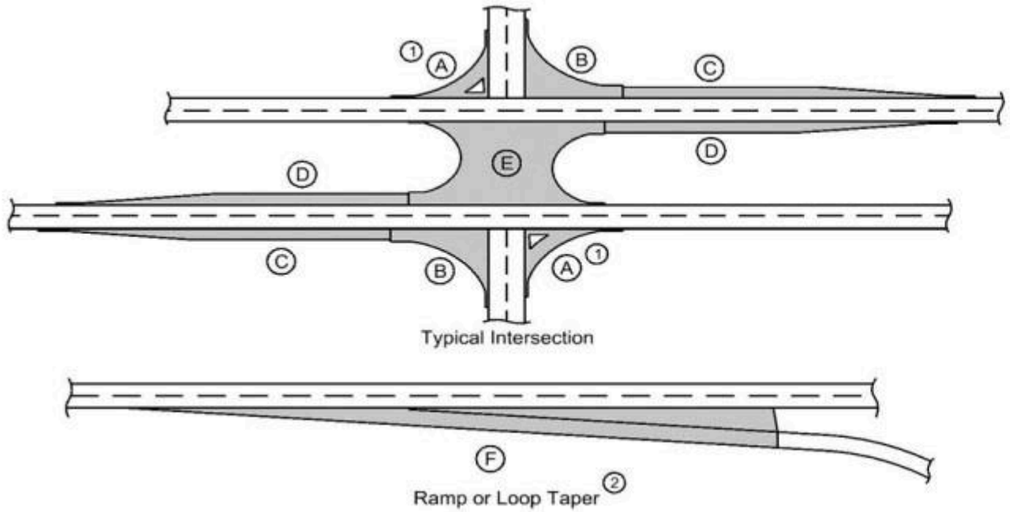


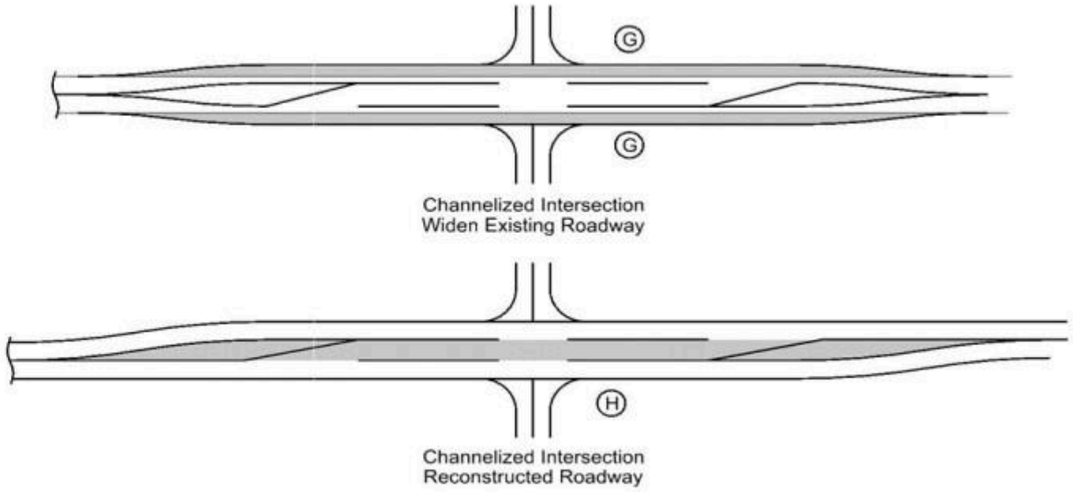
Channelized Intersection
Reconstructed Roadway

(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Line No.	Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	Binder Surface (TONS)	Binder Intermediate (TONS)	Binder Base (TONS)	Polymer Grid (SY)	Special Backfill (TONS)	Modified Subbase (CY)	Granular Subbase (SY)	Pavement Scarification (SY)	Asphalt Rejuvenating Agent 0.175 GAL/SY/IN HIR (Tons)	Remarks
1.0	IA 2	WB		52+80.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
2.0	IA 2	WB	52+80.00	105+60.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
3.0	IA 2	WB	105+60.00	158+40.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
4.0	IA 2	WB	158+40.00	211+22.43	16.0	5282.43	7043.24		7043.24	147	147	1.5	1.5	582.388	582.388	34.943	34.943						7043.24		
5.0	IA 2	EB		52+80.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
6.0	IA 2	EB	52+80.00	105+60.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
7.0	IA 2	EB	105+60.00	158+40.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
8.0	IA 2	EB	158+40.00	211+22.43	16.0	5282.43	7043.24		7043.24	147	147	1.5	1.5	582.388	582.388	34.943	34.943						7043.24		
9.0	IA 2 STATION EQUATION		211+22.43	1211+55.00		100032.57																			
10.0	IA 2	WB	1211+55.00	1245+00.00	16.0	3345.00	4460.00		4460.00	147	147	1.5	1.5	368.786	368.786	22.127	22.127						4460.00		
11.0	IA 2	EB	1211+55.00	1245+00.00	16.0	3345.00	4460.00		4460.00	147	147	1.5	1.5	368.786	368.786	22.127	22.127						4460.00		
12.0	IA 2	WB	1245+00.00	1297+80.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
13.0	IA 2	WB	1297+80.00	1330+00.00	16.0	3220.00	4293.33		4293.33	147	147	1.5	1.5	355.005	355.005	21.300	21.300						4293.33		
14.0	IA 2	EB	1245+00.00	1297+80.00	16.0	5280.00	7040.00		7040.00	147	147	1.5	1.5	582.120	582.120	34.927	34.927						7040.00		
15.0	IA 2	EB	1297+80.00	1330+00.00	16.0	3220.00	4293.33		4293.33	147	147	1.5	1.5	355.005	355.005	21.300	21.300						4293.33		
16.0																									
17.0	IA 2	EB	26+23.52	27+03.57	6.0	80.00	53.37		53.37	147		6.0		17.652		1.059									Acorn Ave / 7.4 C.U. CL 13
18.0	IA 2	EB	105+92.85	106+72.85	6.0	80.00	53.33		53.33	147		6.0		4.410		0.265									Cedar Ave / 7.4 C.U. CL 13
19.0	IA 2	EB	210+86.32	211+46.32	6.0	60.00	40.00		40.00	147		6.0		3.308		0.198									Ebony Ave / 5.6 C.U. CL 13
20.0	IA 2	EB	1217+23.21	1217+63.21	6.0	40.00	26.67		26.67	147		6.0		2.205		0.132									Emerald Ave / 3.7 C.U. CL 13

HMA PAVEMENT





(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Line No.	Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Total Area (SY)	Surface Course Unit Weight (lbs-cf)	Intermediate Course Unit Weight (lbs-cf)	Pavement Thickness Surface (IN)	Pavement Thickness Intermediate (IN)	HMA Pavement Surface (TONS)	HMA Pavement Intermediate (TONS)	Binder Surface (TONS)	Binder Intermediate (TONS)	Binder Base (TONS)	Polymer Grid (SY)	Special Backfill (TONS)	Modified Subbase (CY)	Granular Subbase (SY)	Pavement Scarification (SY)	Asphalt Rejuvenating Agent 0.175 GAL/SY/IN HIR (Tons)	Remarks
21.0	IA 2	EB	1219+81.81	1220+21.91	6.0	40.00	26.73		26.73	147		6.0		2.210		0.133									Emery Ave / 3.7 C.U. CL 13
22.0	IA 2	EB	1223+62.32	1224+02.32	6.0	40.00	26.67		26.67	147		6.0		2.205		0.132									Eden Ave / 3.7 C.U. CL 13
23.0	IA 2	EB	1226+87.04	1227+27.04	6.0	40.00	26.67		26.67	147		6.0		2.205		0.132									Esker Ave / 3.7 C.U. CL 13
24.0	IA 2	EB	1242+47.84	1242+98.06	6.0	50.00	33.48		33.48	147		6.0		2.768		0.166									230th St / 4.6 C.U. CL 13
25.0	IA 2	EB	1308+63.50	1309+03.50	6.0	40.00	26.67		26.67	147		6.0		2.205		0.132									Flora Ave / 3.7 C.U. CL 13
26.0	IA 2	WB	53+06.67	53+86.67	6.0	80.00	53.33		53.33	147		6.0		4.410		0.265									Balsa Ave / 7.4 C.U. CL 13
27.0	IA 2	WB	184+32.55	184+82.55	6.0	50.00	33.33		33.33	147		6.0		2.756		0.165									Driftwood Blvd / 4.6 C.U. CL 13
28.0	IA 2	WB	186+32.16	186+82.16	6.0	50.00	33.33		33.33	147		6.0		2.756		0.165									Driftwood Blvd / 4.6 C.U. CL 13
29.0	IA 2	WB	1225+23.81	1225+62.71	6.0	40.00	25.93		25.93	147		6.0		2.144		0.129									Echo Ave / 3.7 C.U. CL 13
30.0	IA 2	WB	1308+74.39	1309+34.02	6.0	60.00	39.75		39.75	147		6.0		3.287		0.197									Flora Ave / 5.6 C.U. CL 13
Total														7323.839	7269.318	439.426	436.156						87913.14		

2303-1042500 HOT MIX ASPHALT INTERMEDIATE COURSE QUANTITIES INCREASED BY 5% FOR IRREGULARITIES 7269.318 WITH 5% = 7632.78 TONS
2303-1042500 HOT MIX ASPHALT SURFACE COURSE QUANTITIES INCREASED BY 5% FOR IRREGULARITIES 7323.839 WITH 5% = 7690.03 TONS
2303-1258283 ASPHALT BINDER PG 58-28S, STANDARD TRAFFIC QUANTITIES INCREASED BY 5% FOR IRREGULARITIES 875.582 WITH 5% = 919.36 TONS

2102-2713090 CL 13 WASTE FOR SIDE ROAD FILLETS = 69.4 C.Y.

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.
(7) Paved shoulder thickness specified in Remarks.
(8) Subbase type specified in Remarks.

Roadway Identification	Direction of Travel (1)	Station From	Station To	Side	P Width (FT)	P SG Width (2) (FT)	G Width (FT)	L Length (FT)	Class 13 Excavation (CY)(3)(4)	HMA Cross Section Area (SF)	HMA Unit Weight (lbs-cf)	HMA (TON)	HMA (TON/ STA)	Binder (TONS)	Paved Shoulder (3) (SY)	Pavement Scarification (SY)	Granular Shoulder Cross Section Area (SF)	Granular Shoulder (3) (TON)	Granular Shoulder (TON/STA)	Remarks
IA 2	EB		211+22.43	Right			4.00	21122.43									0.630	931.499	4.410	
IA 2	EB	1211+55.00	1330+00.00	Right			4.00	11845.00									0.630	522.365	4.410	
IA 2	WB		70+93.69	Left			4.00	7093.69									0.630	312.832	4.410	
IA 2	WB	71+40.08	211+22.43	Left			4.00	13982.35									0.630	616.622	4.410	
IA 2	WB	1211+55.00	1330+00.00	Left			4.00	11845.00									0.630	522.365	4.410	
Total								65888.47				0		0	0	0		2905.683		

2121-7425020 GRANULAR SHOULDERS TYPE B QUANTITIES INCREASED BY 25% FOR IRREGULARITIES 2905.68 WITH 25% = 3632.10 TONS

Note 1: Refer to Typical 7148-M1 "HMA Fillet Extensions for Non-Paved Sideroads" in B Sheets. Refer to Tab 112-09 in C sheets for additional information and quantities.

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	Surface 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 HMA (FT)	Effective Shoulder Width Granular\Earth (FT)	Remarks
1.0	IA 2	+.00	211+22.43	HMA	Left Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"		211.22	228.8	3520.3	4.0	3.0	
2.0	IA 2	+.00	211+22.43	HMA	Right Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"		211.22	228.8	3520.3	4.0	3.0	
3.0	IA 2	+.00	211+22.43	HMA	Centerline	Milled Centerline Rumble Strips	Asphalt Emulsion	12"		211.22			4.0	3.0	
4.0	IA 2	1245+00.00	1330+00.00	HMA	Left Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"		85.00	92.1	1416.7	4.0	3.0	
5.0	IA 2	1245+00.00	1330+00.00	HMA	Right Shoulder	Milled Shoulder Rumble Strips	Asphalt Emulsion	12"		85.00	92.1	1416.7	4.0	3.0	
6.0	IA 2	1245+00.00	1330+00.00	HMA	Centerline	Milled Centerline Rumble Strips	Asphalt Emulsion	12"		85.00			4.0	3.0	
Total										888.66	641.8	9874.0			

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

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 (STA)	BCY6 Factored (STA)	DCY6 (STA)	DCY6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	NPY6** (STA)	NPY6** Factored (STA)	Remarks
1.0	IA 2		2+25.00	2.25	Both	Waterborne/Solvent Paint		X		No				2.25	4.50					Milled Lift
2.0	IA 2	2+25.00	8+00.00	5.75	WB	Waterborne/Solvent Paint		X		No								5.75	7.19	Milled Lift
3.0	IA 2	8+00.00	8+87.22	0.87	Both	Waterborne/Solvent Paint		X		No				0.87	1.74					Milled Lift
4.0	IA 2	8+87.22	17+12.94	8.26	EB	Waterborne/Solvent Paint		X		No								8.26	10.32	Milled Lift
5.0	IA 2	17+12.94	25+00.00	7.87	Both	Waterborne/Solvent Paint		X		No				7.87	15.74					Milled Lift
6.0	IA 2	25+00.00	31+93.67	6.94	WB	Waterborne/Solvent Paint		X		No								6.94	8.68	Milled Lift
7.0	IA 2	31+93.67	33+75.00	1.81	Both	Waterborne/Solvent Paint		X		No				1.81	3.62					Milled Lift
8.0	IA 2	33+75.00	41+87.31	8.12	EB	Waterborne/Solvent Paint		X		No								8.12	10.15	Milled Lift
9.0	IA 2	41+87.31	61+25.00	19.38	Both	Waterborne/Solvent Paint		X		No				19.38	38.76					Milled Lift
10.0	IA 2	61+25.00	66+84.14	5.59	WB	Waterborne/Solvent Paint		X		No								5.59	6.99	Milled Lift
11.0	IA 2	66+84.14	70+84.82	4.01	Both	Waterborne/Solvent Paint		X		No				4.01	8.02					Milled Lift
12.0	IA 2	70+84.82	75+58.67	4.74	EB	Waterborne/Solvent Paint		X		No								4.74	5.93	Milled Lift
13.0	IA 2	75+58.67	81+00.00	5.41	Both	Waterborne/Solvent Paint		X		No				5.41	10.82					Milled Lift
14.0	IA 2	81+00.00	90+00.00	9.00	WB	Waterborne/Solvent Paint		X		No								9.00	11.25	Milled Lift
15.0	IA 2	90+00.00	96+00.00	6.00	Both	Waterborne/Solvent Paint		X		No		6.00	1.50							Milled Lift
16.0	IA 2	96+00.00	105+55.61	9.56	EB	Waterborne/Solvent Paint		X		No								9.56	11.95	Milled Lift
17.0	IA 2	105+55.61	135+36.76	29.81	Both	Waterborne/Solvent Paint		X		No				29.81	59.62					Milled Lift
18.0	IA 2	135+36.76	141+36.12	5.99	WB	Waterborne/Solvent Paint		X		No								8.63	10.79	Milled Lift
19.0	IA 2	141+36.12	144+00.00	2.64	Both	Waterborne/Solvent Paint		X		No				2.64	5.28					Milled Lift
20.0	IA 2	144+00.00	150+64.43	6.64	EB	Waterborne/Solvent Paint		X		No								6.64	8.30	Milled Lift
21.0	IA 2	150+64.43	163+25.00	12.61	Both	Waterborne/Solvent Paint		X		No				12.61	25.22					Milled Lift
22.0	IA 2	163+25.00	173+75.00	10.50	WB	Waterborne/Solvent Paint		X		No								10.50	13.13	Milled Lift
23.0	IA 2	173+75.00	190+16.70	16.42	Both	Waterborne/Solvent Paint		X		No		16.42	4.11							Milled Lift
24.0	IA 2	190+16.70	204+81.78	14.65	EB	Waterborne/Solvent Paint		X		No								14.65	18.31	Milled Lift
25.0	IA 2	204+81.78	211+22.43	6.41	Both	Waterborne/Solvent Paint		X		No										Milled Lift
26.0	IA 2	211+22.43	1211+55.00	1000.33																Station Equation\Milled Lift
27.0	IA 2	1211+55.00	1245+00.00	33.45	Both	Waterborne/Solvent Paint		X		No				33.45	66.90					Milled Lift
28.0	IA 2	1245+00.00	1251+75.00	6.75	WB	Waterborne/Solvent Paint		X		No								6.75	8.44	Milled Lift
29.0	IA 2	1251+75.00	1330+00.00	78.25	Both	Waterborne/Solvent Paint		X		No		78.25	19.56							Milled Lift
30.0	IA 2		211+22.43	211.22	EB	Waterborne/Solvent Paint			X	No						211.22	211.22			Milled Lift
31.0	IA 2	1211+55.00	1330+00.00	118.45	EB	Waterborne/Solvent Paint			X	No						118.45	118.45			Milled Lift
32.0	IA 2		211+22.43	211.22	WB	Waterborne/Solvent Paint	X			No						211.22	211.22			Milled Lift
33.0	IA 2	1211+55.00	1330+00.00	118.45	WB	Waterborne/Solvent Paint	X			No						118.45	118.45			Milled Lift
34.0	IA 2		2+25.00	2.25	Both	Waterborne/Solvent Paint		X		No				2.25	4.50					Intermediate Lift
35.0	IA 2	2+25.00	8+00.00	5.75	WB	Waterborne/Solvent Paint		X		No								5.75	7.19	Intermediate Lift
36.0	IA 2	8+00.00	8+87.22	0.87	Both	Waterborne/Solvent Paint		X		No				0.87	1.74					Intermediate Lift
37.0	IA 2	8+87.22	17+12.94	8.26	EB	Waterborne/Solvent Paint		X		No								8.26	10.32	Intermediate Lift
38.0	IA 2	17+12.94	25+00.00	7.87	Both	Waterborne/Solvent Paint		X		No				7.87	15.74					Intermediate Lift
39.0	IA 2	25+00.00	31+93.67	6.94	WB	Waterborne/Solvent Paint		X		No								6.94	8.68	Intermediate Lift

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

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 (STA)	BCY6 Factored (STA)	DCY6 (STA)	DCY6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	NPY6** (STA)	NPY6** Factored (STA)	Remarks
40.0	IA 2	31+93.67	33+75.00	1.81	Both	Waterborne/Solvent Paint		X		No				1.81	3.62					Intermediate Lift
41.0	IA 2	33+75.00	41+87.31	8.12	EB	Waterborne/Solvent Paint		X		No								8.12	10.15	Intermediate Lift
42.0	IA 2	41+87.31	61+25.00	19.38	Both	Waterborne/Solvent Paint		X		No				19.38	38.76					Intermediate Lift
43.0	IA 2	61+25.00	66+84.14	5.59	WB	Waterborne/Solvent Paint		X		No								5.59	6.99	Intermediate Lift
44.0	IA 2	66+84.14	70+84.82	4.01	Both	Waterborne/Solvent Paint		X		No				4.01	8.02					Intermediate Lift
45.0	IA 2	70+84.82	75+58.67	4.74	EB	Waterborne/Solvent Paint		X		No								4.74	5.93	Intermediate Lift
46.0	IA 2	75+58.67	81+00.00	5.41	Both	Waterborne/Solvent Paint		X		No				5.41	10.82					Intermediate Lift
47.0	IA 2	81+00.00	90+00.00	9.00	WB	Waterborne/Solvent Paint		X		No								9.00	11.25	Intermediate Lift
48.0	IA 2	90+00.00	96+00.00	6.00	Both	Waterborne/Solvent Paint		X		No		6.00	1.50							Intermediate Lift
49.0	IA 2	96+00.00	105+55.61	9.56	EB	Waterborne/Solvent Paint		X		No								9.56	11.95	Intermediate Lift
50.0	IA 2	105+55.61	135+36.76	29.81	Both	Waterborne/Solvent Paint		X		No				29.81	59.62					Intermediate Lift
51.0	IA 2	135+36.76	141+36.12	5.99	WB	Waterborne/Solvent Paint		X		No								8.63	10.79	Intermediate Lift
52.0	IA 2	141+36.12	144+00.00	2.64	Both	Waterborne/Solvent Paint		X		No				2.64	5.28					Intermediate Lift
53.0	IA 2	144+00.00	150+64.43	6.64	EB	Waterborne/Solvent Paint		X		No								6.64	8.30	Intermediate Lift
54.0	IA 2	150+64.43	163+25.00	12.61	Both	Waterborne/Solvent Paint		X		No				12.61	25.22					Intermediate Lift
55.0	IA 2	163+25.00	173+75.00	10.50	WB	Waterborne/Solvent Paint		X		No								10.50	13.13	Intermediate Lift
56.0	IA 2	173+75.00	190+16.70	16.42	Both	Waterborne/Solvent Paint		X		No		16.42	4.11							Intermediate Lift
57.0	IA 2	190+16.70	204+81.78	14.65	EB	Waterborne/Solvent Paint		X		No								14.65	18.31	Intermediate Lift
58.0	IA 2	204+81.78	211+22.43	6.41	Both	Waterborne/Solvent Paint		X		No										Intermediate Lift
59.0	IA 2	211+22.43	1211+55.00	1000.33																Station Equation\Intermediate Lift
60.0	IA 2	1211+55.00	1245+00.00	33.45	Both	Waterborne/Solvent Paint		X		No				33.45	66.90					Intermediate Lift
61.0	IA 2	1245+00.00	1251+75.00	6.75	WB	Waterborne/Solvent Paint		X		No								6.75	8.44	Intermediate Lift
62.0	IA 2	1251+75.00	1330+00.00	78.25	Both	Waterborne/Solvent Paint		X		No		78.25	19.56							Intermediate Lift
63.0	IA 2		211+22.43	211.22	EB	Waterborne/Solvent Paint			X	No						211.22	211.22			Intermediate Lift
64.0	IA 2	1211+55.00	1330+00.00	118.45	EB	Waterborne/Solvent Paint			X	No						118.45	118.45			Intermediate Lift
65.0	IA 2		211+22.43	211.22	WB	Waterborne/Solvent Paint	X			No						211.22	211.22			Intermediate Lift
66.0	IA 2	1211+55.00	1330+00.00	118.45	WB	Waterborne/Solvent Paint	X			No						118.45	118.45			Intermediate Lift
67.0	IA 2		2+25.00	2.25	Both	Waterborne/Solvent Paint		X		No				2.25	4.50					Surface Lift
68.0	IA 2	2+25.00	8+00.00	5.75	WB	Waterborne/Solvent Paint		X		No								5.75	7.19	Surface Lift
69.0	IA 2	8+00.00	8+87.22	0.87	Both	Waterborne/Solvent Paint		X		No				0.87	1.74					Surface Lift
70.0	IA 2	8+87.22	17+12.94	8.26	EB	Waterborne/Solvent Paint		X		No								8.26	10.32	Surface Lift
71.0	IA 2	17+12.94	25+00.00	7.87	Both	Waterborne/Solvent Paint		X		No				7.87	15.74					Surface Lift
72.0	IA 2	25+00.00	31+93.67	6.94	WB	Waterborne/Solvent Paint		X		No								6.94	8.68	Surface Lift
73.0	IA 2	31+93.67	33+75.00	1.81	Both	Waterborne/Solvent Paint		X		No				1.81	3.62					Surface Lift
74.0	IA 2	33+75.00	41+87.31	8.12	EB	Waterborne/Solvent Paint		X		No								8.12	10.15	Surface Lift
75.0	IA 2	41+87.31	61+25.00	19.38	Both	Waterborne/Solvent Paint		X		No				19.38	38.76					Surface Lift
76.0	IA 2	61+25.00	66+84.14	5.59	WB	Waterborne/Solvent Paint		X		No								5.59	6.99	Surface Lift
77.0	IA 2	66+84.14	70+84.82	4.01	Both	Waterborne/Solvent Paint		X		No				4.01	8.02					Surface Lift
78.0	IA 2	70+84.82	75+58.67	4.74	EB	Waterborne/Solvent Paint		X		No								4.74	5.93	Surface Lift

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

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 (STA)	BCY6 Factored (STA)	DCY6 (STA)	DCY6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	NPY6** (STA)	NPY6** Factored (STA)	Remarks
79.0	IA 2	75+58.67	81+00.00	5.41	Both	Waterborne/Solvent Paint		X		No				5.41	10.82					Surface Lift
80.0	IA 2	81+00.00	90+00.00	9.00	WB	Waterborne/Solvent Paint		X		No								9.00	11.25	Surface Lift
81.0	IA 2	90+00.00	96+00.00	6.00	Both	Waterborne/Solvent Paint		X		No		6.00	1.50							Surface Lift
82.0	IA 2	96+00.00	105+55.61	9.56	EB	Waterborne/Solvent Paint		X		No								9.56	11.95	Surface Lift
83.0	IA 2	105+55.61	135+36.76	29.81	Both	Waterborne/Solvent Paint		X		No				29.81	59.62					Surface Lift
84.0	IA 2	135+36.76	141+36.12	5.99	WB	Waterborne/Solvent Paint		X		No								8.63	10.79	Surface Lift
85.0	IA 2	141+36.12	144+00.00	2.64	Both	Waterborne/Solvent Paint		X		No				2.64	5.28					Surface Lift
86.0	IA 2	144+00.00	150+64.43	6.64	EB	Waterborne/Solvent Paint		X		No								6.64	8.30	Surface Lift
87.0	IA 2	150+64.43	163+25.00	12.61	Both	Waterborne/Solvent Paint		X		No				12.61	25.22					Surface Lift
88.0	IA 2	163+25.00	173+75.00	10.50	WB	Waterborne/Solvent Paint		X		No								10.50	13.13	Surface Lift
89.0	IA 2	173+75.00	190+16.70	16.42	Both	Waterborne/Solvent Paint		X		No		16.42	4.11							Surface Lift
90.0	IA 2	190+16.70	204+81.78	14.65	EB	Waterborne/Solvent Paint		X		No								14.65	18.31	Surface Lift
91.0	IA 2	204+81.78	211+22.43	6.41	Both	Waterborne/Solvent Paint		X		No										Surface Lift
92.0	IA 2	211+22.43	1211+55.00	1000.33																Station Equation\Surface Lift
93.0	IA 2	1211+55.00	1245+00.00	33.45	Both	Waterborne/Solvent Paint		X		No				33.45	66.90					Surface Lift
94.0	IA 2	1245+00.00	1251+75.00	6.75	WB	Waterborne/Solvent Paint		X		No								6.75	8.44	Surface Lift
95.0	IA 2	1251+75.00	1330+00.00	78.25	Both	Waterborne/Solvent Paint		X		No		78.25	19.56							Surface Lift
96.0	IA 2		211+22.43	211.22	EB	Waterborne/Solvent Paint			X	No						211.22	211.22			Surface Lift
97.0	IA 2	1211+55.00	1330+00.00	118.45	EB	Waterborne/Solvent Paint			X	No						118.45	118.45			Surface Lift
98.0	IA 2		211+22.43	211.22	WB	Waterborne/Solvent Paint	X			No						211.22	211.22			Surface Lift
99.0	IA 2	1211+55.00	1330+00.00	118.45	WB	Waterborne/Solvent Paint	X			No						118.45	118.45			Surface Lift
100.0	IA 2		2+25.00	2.25	Both	Waterborne/Solvent Paint		X		Yes	4.50			2.25	4.50					Final Lift
101.0	IA 2	2+25.00	8+00.00	5.75	WB	Waterborne/Solvent Paint		X		Yes	7.19							5.75	7.19	Final Lift
102.0	IA 2	8+00.00	8+87.22	0.87	Both	Waterborne/Solvent Paint		X		Yes	1.74			0.87	1.74					Final Lift
103.0	IA 2	8+87.22	17+12.94	8.26	EB	Waterborne/Solvent Paint		X		Yes	10.32							8.26	10.32	Final Lift
104.0	IA 2	17+12.94	25+00.00	7.87	Both	Waterborne/Solvent Paint		X		Yes	15.74			7.87	15.74					Final Lift
105.0	IA 2	25+00.00	31+93.67	6.94	WB	Waterborne/Solvent Paint		X		Yes	8.68							6.94	8.68	Final Lift
106.0	IA 2	31+93.67	33+75.00	1.81	Both	Waterborne/Solvent Paint		X		Yes	3.62			1.81	3.62					Final Lift
107.0	IA 2	33+75.00	41+87.31	8.12	EB	Waterborne/Solvent Paint		X		Yes	10.15							8.12	10.15	Final Lift
108.0	IA 2	41+87.31	61+25.00	19.38	Both	Waterborne/Solvent Paint		X		Yes	38.76			19.38	38.76					Final Lift
109.0	IA 2	61+25.00	66+84.14	5.59	WB	Waterborne/Solvent Paint		X		Yes	6.99							5.59	6.99	Final Lift
110.0	IA 2	66+84.14	70+84.82	4.01	Both	Waterborne/Solvent Paint		X		Yes	8.02			4.01	8.02					Final Lift
111.0	IA 2	70+84.82	75+58.67	4.74	EB	Waterborne/Solvent Paint		X		Yes	5.93							4.74	5.93	Final Lift
112.0	IA 2	75+58.67	81+00.00	5.41	Both	Waterborne/Solvent Paint		X		Yes	10.82			5.41	10.82					Final Lift
113.0	IA 2	81+00.00	90+00.00	9.00	WB	Waterborne/Solvent Paint		X		Yes	11.25							9.00	11.25	Final Lift
114.0	IA 2	90+00.00	96+00.00	6.00	Both	Waterborne/Solvent Paint		X		Yes	1.50	6.00	1.50							Final Lift
115.0	IA 2	96+00.00	105+55.61	9.56	EB	Waterborne/Solvent Paint		X		Yes	11.95							9.56	11.95	Final Lift
116.0	IA 2	105+55.61	135+36.76	29.81	Both	Waterborne/Solvent Paint		X		Yes	59.62			29.81	59.62					Final Lift
117.0	IA 2	135+36.76	141+36.12	5.99	WB	Waterborne/Solvent Paint		X		Yes	10.79							8.63	10.79	Final Lift

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

Line No.	Road ID	Station From	Station To	Line Length (STA)	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY6 (STA)	BCY6 Factored (STA)	DCY6 (STA)	DCY6 Factored (STA)	ELW6 (STA)	ELW6 Factored (STA)	NPY6** (STA)	NPY6** Factored (STA)	Remarks
118.0	IA 2	141+36.12	144+00.00	2.64	Both	Waterborne/Solvent Paint		X		Yes	5.28			2.64	5.28					Final Lift
119.0	IA 2	144+00.00	150+64.43	6.64	EB	Waterborne/Solvent Paint		X		Yes	8.30							6.64	8.30	Final Lift
120.0	IA 2	150+64.43	163+25.00	12.61	Both	Waterborne/Solvent Paint		X		Yes	25.22			12.61	25.22					Final Lift
121.0	IA 2	163+25.00	173+75.00	10.50	WB	Waterborne/Solvent Paint		X		Yes	13.13							10.50	13.13	Final Lift
122.0	IA 2	173+75.00	190+16.70	16.42	Both	Waterborne/Solvent Paint		X		Yes	4.11	16.42	4.11							Final Lift
123.0	IA 2	190+16.70	204+81.78	14.65	EB	Waterborne/Solvent Paint		X		Yes	18.31							14.65	18.31	Final Lift
124.0	IA 2	204+81.78	211+22.43	6.41	Both	Waterborne/Solvent Paint		X		Yes										Final Lift
125.0	IA 2	211+22.43	1211+55.00	1000.33																Station Equation\Final Lift
126.0	IA 2	1211+55.00	1245+00.00	33.45	Both	Waterborne/Solvent Paint		X		Yes	66.90			33.45	66.90					Final Lift
127.0	IA 2	1245+00.00	1251+75.00	6.75	WB	Waterborne/Solvent Paint		X		Yes	8.44							6.75	8.44	Final Lift
128.0	IA 2	1251+75.00	1330+00.00	78.25	Both	Waterborne/Solvent Paint		X		Yes	19.56	78.25	19.56							Final Lift
129.0	IA 2		211+22.43	211.22	EB	Waterborne/Solvent Paint			X	Yes	211.22					211.22	211.22			Final Lift
130.0	IA 2	1211+55.00	1330+00.00	118.45	EB	Waterborne/Solvent Paint			X	Yes	118.45					118.45	118.45			Final Lift
131.0	IA 2		211+22.43	211.22	WB	Waterborne/Solvent Paint	X			Yes	211.22					211.22	211.22			Final Lift
132.0	IA 2	1211+55.00	1330+00.00	118.45	WB	Waterborne/Solvent Paint	X			Yes	118.45					118.45	118.45			Final Lift
Total				7957.40							1056.16		100.68		960.88		2637.36		525.72	

111_02
8/15/22

TABULATION OF REVISIONS

10/5/2026 1:02:15 PM ryan.freitag@iowadot.us

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.
(1) Refer to MI-210.
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Line No.	Station	Side	Access Type	Descriptor	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Pipe Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Pipe Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	Driveway Surfacing Material (TON)	Remarks
1.0	71+16.62	Left	A		2			45.0									PCC	25.0		

110_08

8/15/22

REMOVAL OF CONCRETE DRIVES

* Not a Bid Item.

Line No.	Station	Side	Length (FT)	Width (FT)	Area (SF)	Area (SY)	Saw Cut* (LF)	Remarks
1.0	71+16.62	Left	50.0	4.5	225.0	25.0	92.0	
Total						25.0		

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_03B
9/28/22

EROSION CONTROL (URBAN 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 as follows:

Place seed and fertilize according to the requirements of Article 2601.03,C,4 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.

232_03C
8/28/24

EROSION CONTROL (NATIVE GRASS 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 and mulch on the disturbed area lying 8 feet or more beyond the shoulder as follows:

SEED MIX:

Big bluestem (Andropogon geradii)	6 lbs. PLS/Acre (7.0 kg/ha)
Indiangrass (Sorghastrum nutans)	6 lbs. PLS/Acre (7.0 kg/ha)
Little bluestem (Schizachyrium scoparium)	6 lbs. PLS/Acre (7.0 kg/ha)
Partridge Pea (Chamaecrista fasciculata)	4 lbs. PLS/Acre (4.5 kg/ha)

232_03C
8/28/24

EROSION CONTROL (NATIVE GRASS SEEDING)

Sideoats grama (Bouteloua curtipendula)	4 lbs. PLS/Acre (4.5 kg/ha)
Canada wildrye (Elymus canadensis)	2 lbs. PLS/Acre (2.2 kg/ha)
Switchgrass (Panicum virgatum)	1 lbs. PLS/Acre (1.1 kg/ha)
Oats (Avena sativa)	32 lbs./Acre (36.0 kg/ha)

Furnish Big bluestem, Indiangrass, Canada wildrye and Little bluestem that is debearded or equal to facilitate the application of seed.

Furnish seed certified as Source Identified Class (Yellow Tag) Source G0-Iowa. Oats are excluded from this requirement. Place seed according to the requirements of Article 4169.02 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 and mulch are 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.

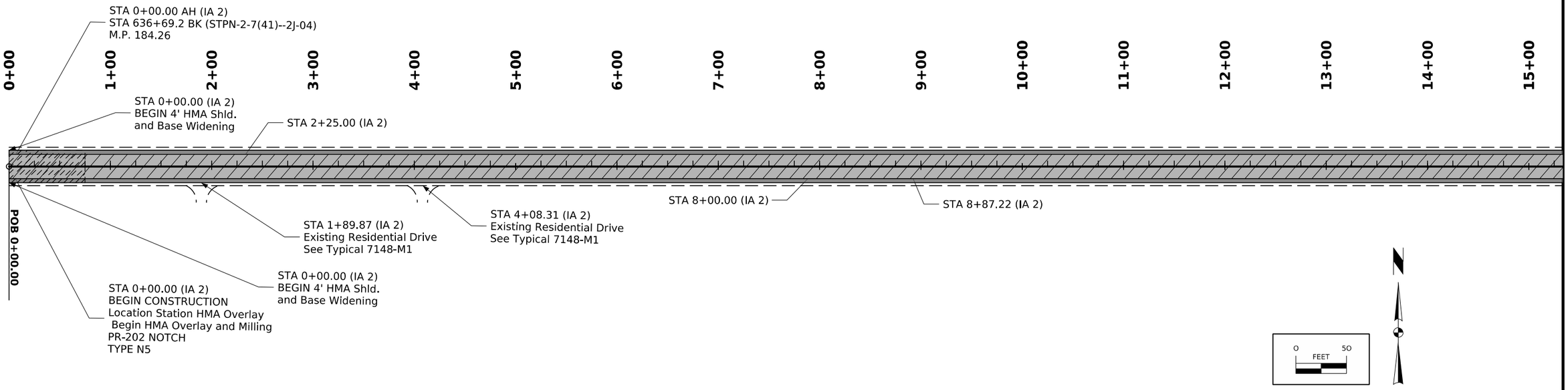
Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

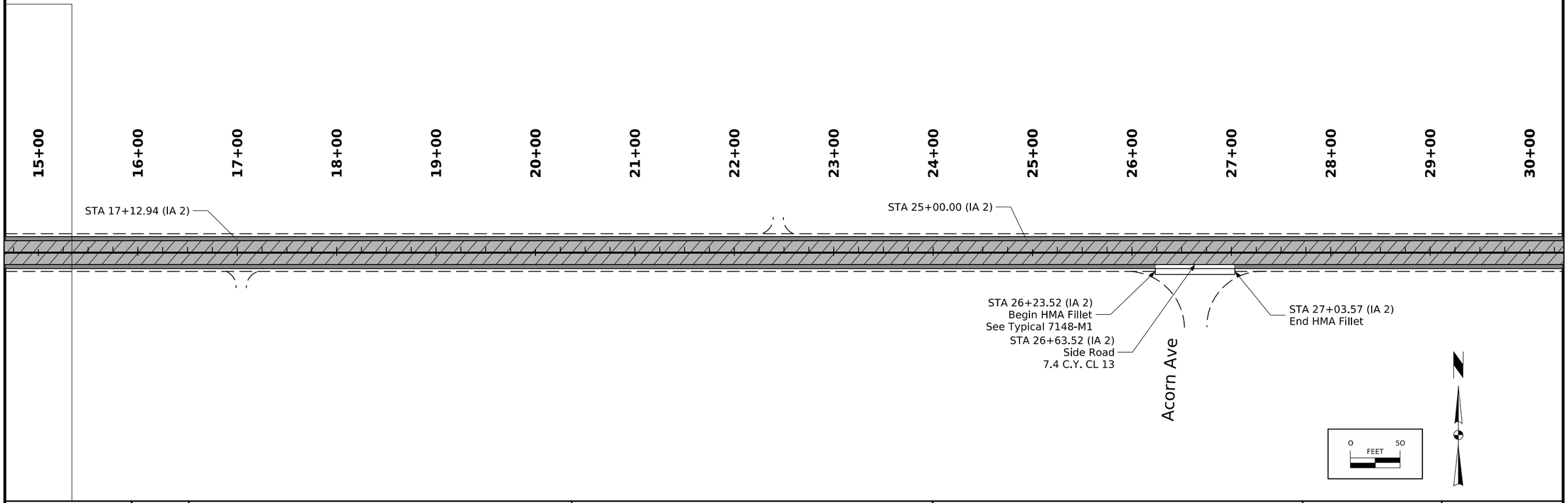
Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will will not be paid for separately.

262_06
9/28/22

UTILITIES (NOT A POINT 25 PROJECT)

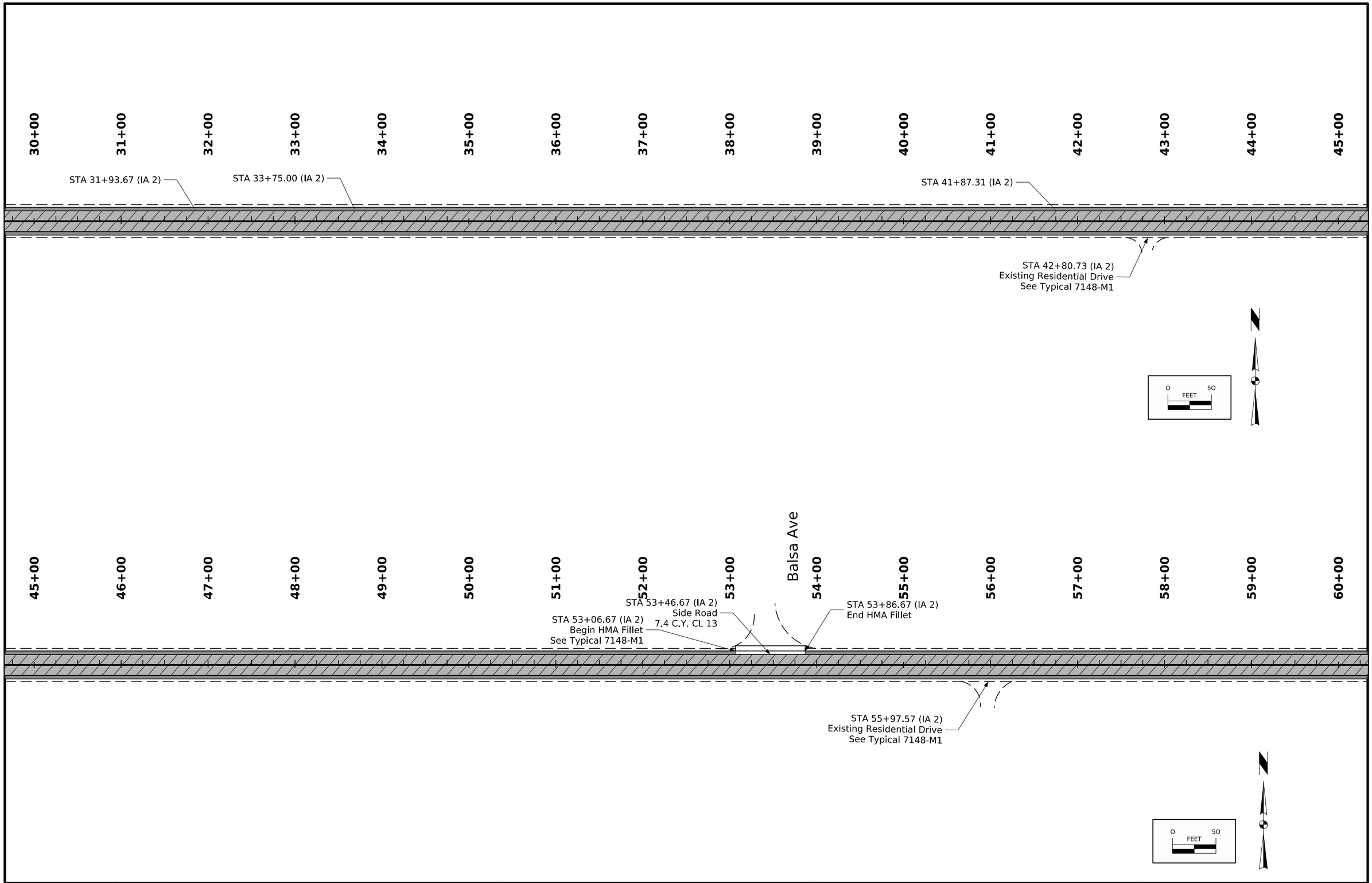
This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.





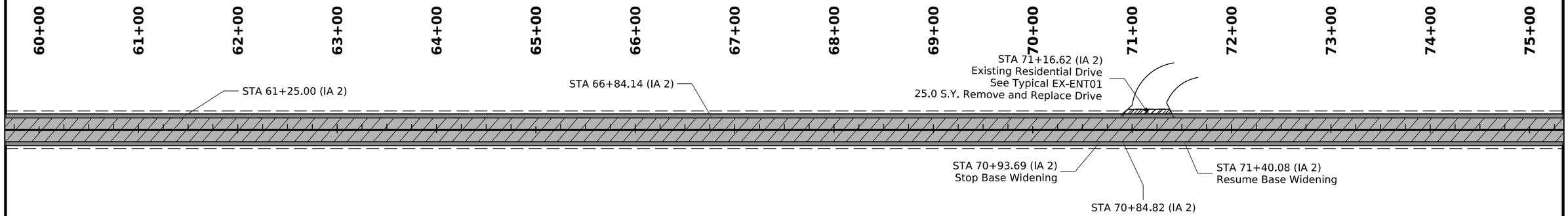
FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.1

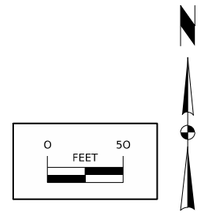
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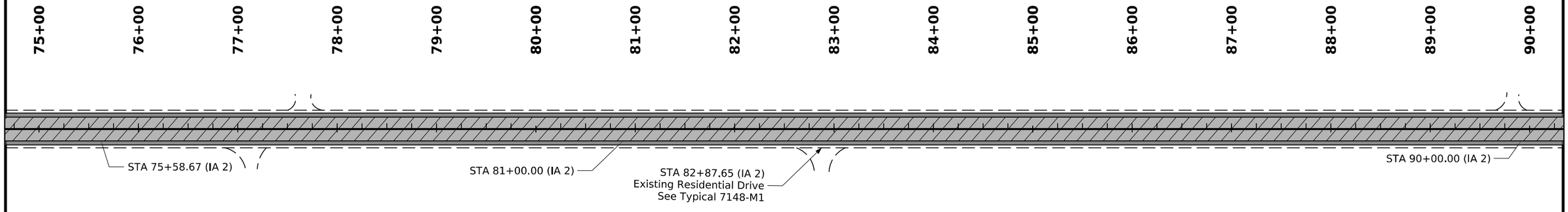


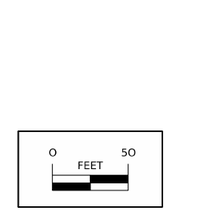
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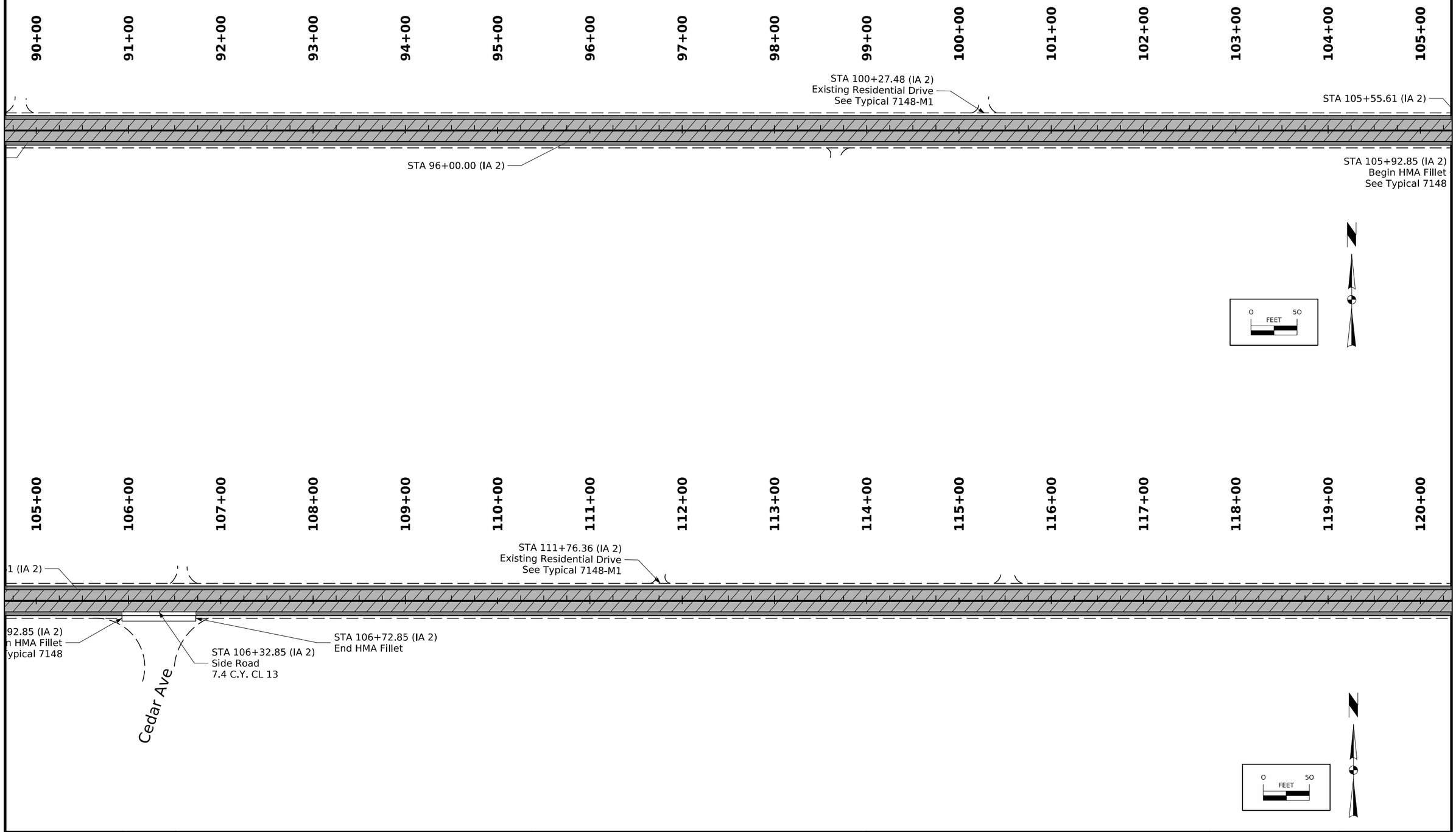






FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.3	

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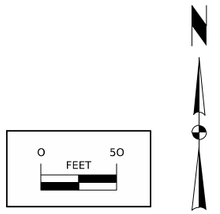
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120+00 121+00 122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00

STA 124+20.38 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 135+36.76 (IA 2)



135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00

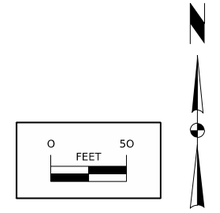
STA 139+72.39 (IA 2)
Existing Residential Drive
See Typical 7148-M1

.76 (IA 2)

STA 141+36.12 (IA 2)

STA 144+00.00 (IA 2)

STA 140+13.27 (IA 2)
Existing Residential Drive
See Typical 7148-M1



FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.5

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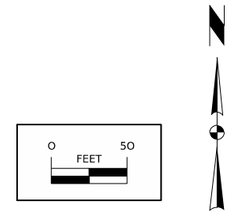
150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00

STA 151+75.08 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 150+64.43 (IA 2)

STA 163+25.00 (IA 2)

STA 163+28.08 (IA 2)
Existing Residential Drive
See Typical 7148-M1

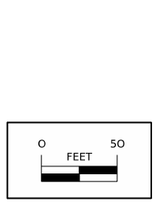


165+00 166+00 167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00

STA 165+45.05 (IA 2)
Existing Residential Drive
See Typical 7148-M1

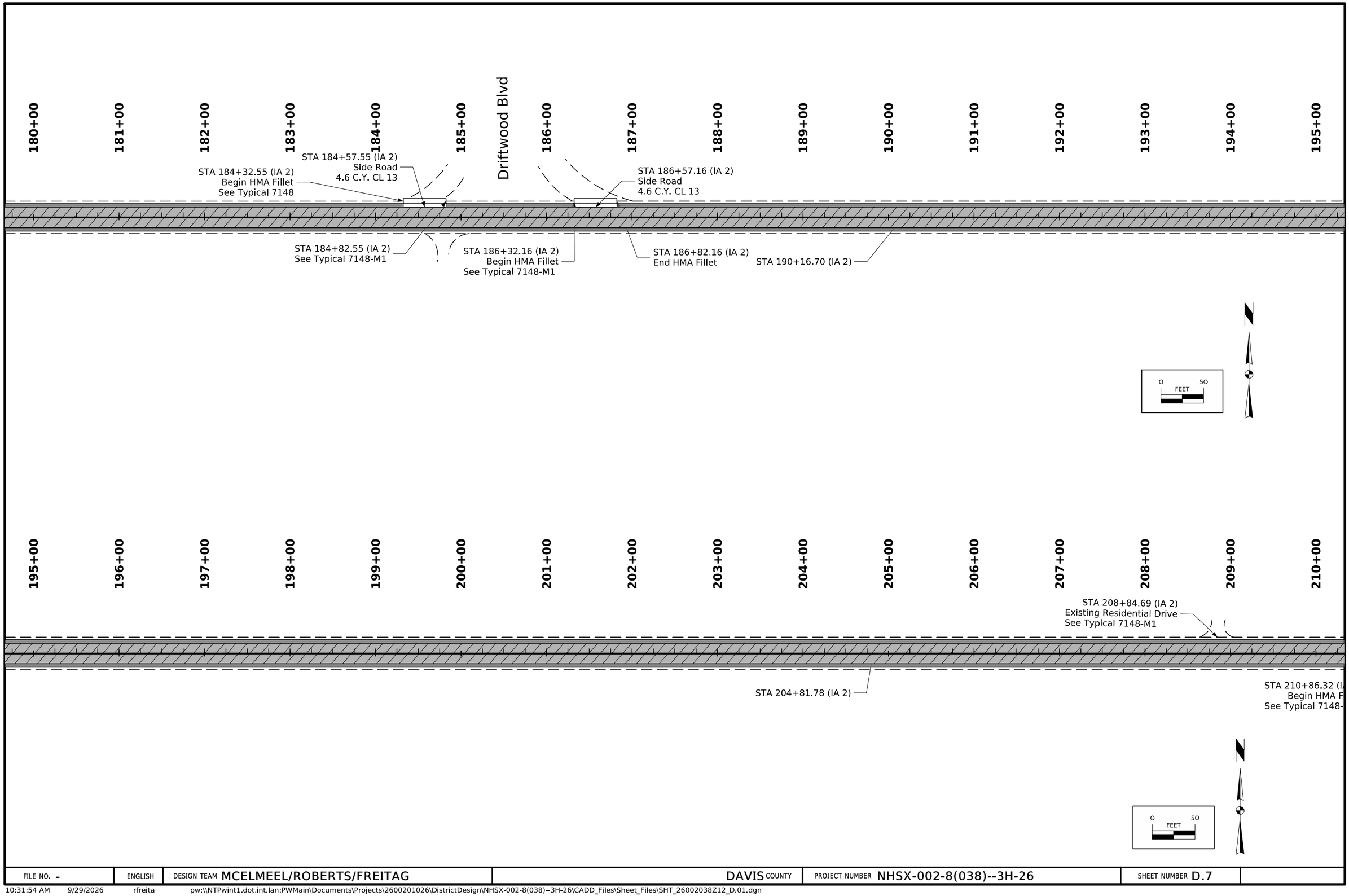
STA 168+37.91 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 173+75.00 (IA 2)





FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.6



FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.7

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210+00
211+00
EQUATION:
STA 1211+55.00(AH) =
STA 211+22.43(BK)
1212+00
1213+00
1214+00
1215+00
1216+00
1217+00
1218+00
1219+00
1220+00
1221+00
1222+00
1223+00
1224+00
1225+00
Echo Ave

STA 1211+55.00 (IA 2)
Typical Change
See Typical Rural BK
See Typical Urban AH

STA 1221+12.73 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1222+24.11 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1223+64.78 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1225+23.81 (IA 2)
Begin 8ft HMA Fillet
See Typical 7148-M1

:10+86.32 (IA 2)
Begin HMA Fillet
Typical 7148-M1

Ebony Ave

STA 1211+78.89 (IA 2)
End HMA Fillet

STA 211+16.32 (IA 2)
Side Road
5.6 C.Y. CL 13

STA 1217+23.21 (IA 2)
Begin HMA Fillet
See Typical 7148-M1

STA 1217+43.21 (IA 2)
Side Road
3.7 C.Y. CL 13

Emerald Ave

STA 1217+63.21 (IA 2)
End HMA Fillet

STA 1219+81.91 (IA 2)
Begin HMA Fillet
See Typical 7148-M1

Emery Ave

STA 1220+21.91 (IA 2)
End HMA Fillet

STA 1220+01.91 (IA 2)
Side Road

STA 1223+62.32 (IA 2)
Begin HMA Fillet
See Typical 7148-M1

STA 1223+82.32 (IA 2)
Side Road
3.7 C.Y. CL 13

Eden Ave

STA 1224+02.32 (IA 2)
End HMA Fillet

STA 1
See T

0 FEET 50

1225+00
Echo Ave
1226+00
1227+00
1228+00
1229+00
1230+00
1231+00
1232+00
1233+00
1234+00
1235+00
1236+00
1237+00
1238+00
1239+00
1240+00

(IA 2)
Fillet
48-M1

STA 1225+42.71 (IA 2)
Side Road

STA 1225+62.71 (IA 2)
End 8ft HMA Fillet

32 (IA 2)

STA 1226+87.04 (IA 2)
Begin HMA Fillet
See Typical 7148-M1

Esker Ave

STA 1227+27.04 (IA 2)
End HMA Fillet

STA 1227+07.04 (IA 2)
Side Road
3.7 C.Y. CL 13

STA 1233+55.90 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1234+74.15 (IA 2)
Existing Residential Drive
See Typical 7148-M1

PC 1238+17.50

STA 1234+22.21 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1236+65.49 (IA 2)
Existing Residential Drive
See Typical 7148-M1

PI 1240+01.27

0 FEET 50

FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.8

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1240+00 1241+00 PT 1241+80.60 1242+00 1243+00 1244+00 1245+00 1246+00 1247+00 1248+00 1249+00 1250+00 1251+00 1252+00 1253+00 1254+00 1255+00

STA 1241+89.65 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1245+00.00 (IA 2)
Typical Change
See Typical Urban BK
See Typical Rural AH

Δ = 21°47'04.56" (LT)
T = 183.77'
L = 363.10'
R = 955.00'
E = 17.52'
e = ___
Ls = ___
x = ___

STA 1240+98.57 (IA 2)
Existing Residential Drive
See Typical 7148-M1

STA 1242+47.84 (IA 2)
Begin HMA Fillet
See Typical 7148

230th ST

STA 1242+98.06 (IA 2)
End HMA Fillet

STA 1242+72.95 (IA 2)
Side Road
4.6 C.Y. CL 13

STA 1251+75.00 (IA 2)

0 FEET 50

1255+00 1256+00 1257+00 1258+00 1259+00 1260+00 1261+00 1262+00 1263+00 1264+00 1265+00 1266+00 1267+00 1268+00 1269+00 1270+00

STA 1268+82.89 (IA 2)
Existing Residential Drive
See Typical 7148-M1

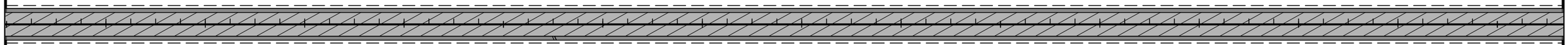
0 FEET 50

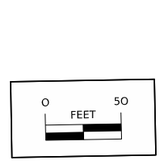
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1270+00 1271+00 1272+00 1273+00 1274+00 1275+00 1276+00 1277+00 1278+00 1279+00 1280+00 1281+00 1282+00 1283+00 1284+00 1285+00

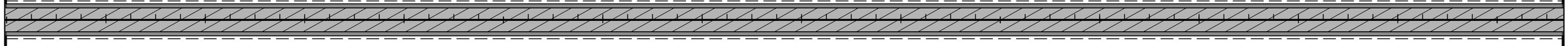
2.89 (IA 2)
dential Drive
148-M1

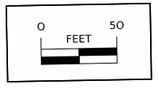






1285+00 1286+00 1287+00 1288+00 1289+00 1290+00 1291+00 1292+00 1293+00 1294+00 1295+00 1296+00 1297+00 1298+00 1299+00 1300+00







FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.10

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1300+00 1301+00 1302+00 1303+00 1304+00 1305+00 1306+00 1307+00 1308+00 1309+00 1310+00 1311+00 1312+00 1313+00 1314+00 1315+00

STA 1308+74.39 (IA 2)
Begin 8ft HMA Fillet
See Typical 7148

STA 1309+04.21 (IA 2)
Side Road
5.6 C.Y. CL 13

STA 1309+34.02 (IA 2)
End 8ft HMA Fillet

STA 1308+63.50 (IA 2)
Begin HMA Fillet
See Typical 7148g

Flora Ave

STA 1309+03.50 (IA 2)
End HMA Fillet

STA 1308+83.50 (IA 2)
Side Road
3.7 C.Y. CL 13

0 50
FEET

1315+00 1316+00 1317+00 1318+00 1319+00 1320+00 1321+00 1322+00 1323+00 1324+00 1325+00 1326+00 1327+00 1328+00 1329+00 1330+00

STA 1330+00.00 (IA 2)
End 4' HMA Shld.
and Base Widening

STA 1330+00.00 (IA 2)
M.P. 190.62

STA 1330+00.00 (IA 2)
END PROJECT
Location Sta HMA Overlay
End HMA Overlay and Milling
PR-202 NOTCH
TYPE N5

STA 1330+00.00 (IA 2)
End 4' HMA Shld.
and Base Widening

0 50
FEET

FILE NO. -	ENGLISH	DESIGN TEAM MCELMEEL/ROBERTS/FREITAG	DAVIS COUNTY	PROJECT NUMBER NHSX-002-8(038)--3H-26	SHEET NUMBER D.11

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108_23A

8/15/22

TRAFFIC CONTROL PLAN

1. Through traffic on IA 2 shall be maintained at all times.
2. Access to all properties shall be maintained at all times.
3. The following Special Event is expected to take place in the vicinity of this project:

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	IA 2	Both	Davis	Alternating lane closures within the project limit	No width restrictions expected.			None					

108_26A

8/15/22

STAGING NOTES

Sequence of Construction:
A general sequence of construction is suggested below.
The contractor's activities may be scheduled in the following sequence, or the Contractors proposed sequence:

1. Perform scarification operations, urban/rural to Sta. 559+33.30 to Sta. 592+56.30, Sta. 27+87.50 to Sta. 60+00.
2. Place shoulder, HMA Base Widening.
3. Place HMA intermediate, urban/rural Sta. 559+33.30 to Sta. 592+56.30, Sta. 27+87.50 to Sta. 60+00.
4. Place HMA Surface lift.
5. Construct side road fillets.
6. Place Type B granular shoulder.
7. Place milled centerline rumble strips and milled shoulder rumble 'strips', PCC Finish Patching and Rumble Strip Panels.
8. Place permanent pavement markings.

9/29/2026 10:36:48 AM ryan.freitag@iowadot.us

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