LETTING DATE 1-18-2023

BRIDGE-PPCB

NHSX-030-5(276)--3H-85

STORY Co.

IOWA DOT

REVISIONS

TOTAL	86
PROJECT IDENTIFICATION NUMBER	19-85-030-030
PROJECT NUMBER	NHSX-030-5(276)--3H-85
R.O.W. PROJECT NUMBER	

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

STORY COUNTY

BRIDGE-PPCB

Co Rd S14 Over US 30 in Nevada

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

IOWA ONE CALL 1-800-292-8989 www.iowaonecall.com 811 Know what's below. Call before you dig.

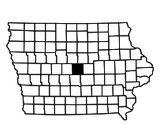
L Sheets	**Geometric, Staking and Jointing Sheets**
* L.1 - 7	Geometric & Staking County Road S14
* L.8	Geometric & Staking Maple Street
* L.9	Geometric & Staking South 6th Street Connection
* L.10 - 11	Geometric & Staking Maple Boulevard
* L.12 - 14	Edge Profiles "Mainline or Side Road Name"
* L.15 - 19	Jointing
M Sheets	**Storm Sewer Sheets**
M.1	Storm Sewer Tabulations
M.2	Storm Sewer Legend & Symbol Information Sheet
* M.3 - 5	Storm Sewer Plan and Profile Sheets County Road S14
* M.6	Storm Sewer Profile Sheets
O Sheets	**Water Main Sheets**
O.1	Water Main Quantities and ERI Notes
O.2	Water Main Tabulations
O.3 - 6	Water Main Plan and Profile Sheets
Q Sheets	**Soils Sheets**
Q.1	Soils Legend & Symbol Information Sheet
Q.2	Soils Sheets "Mainline or Side Road Name"
R Sheets	**Erosion Control Sheets**
RC.1 - 4	PPP, General Notes and Tabulations
* RR.1	Erosion Control Legend and Symbol Information Sheet
RR.2 - 7	Erosion Control Plan Sheets
S Sheets	**Sidewalk Sheets**
* S .1	Sidewalk Legend & Symbol Information Sheet
* S .2 - 3	Sidewalk Plan Sheets
S .4	Sidewalk Tabulations
T Sheets	**Earthwork Quantity Sheets**
T.1	Earthwork Quantity Sheets
V Sheets	**Bridge and Culvert Situation Plans**
V.1	Bridge and Culvert Situation Plans
W Sheets	**Mainline Cross Sections**
W.1 - 6	Stage 1A - US 30
X Sheets	**Side Road Cross Sections**
X.1 - 11	Stage 1A - County Road S14
X.12 - 18	Stage 1B - County Road S14
X.19 - 24	Stage 1B - Maple Street
X.25 - 34	Stage 1B - Maple Boulevard
X.35 - 48	Stage 2A - County Road S14
X.49	Stage 2A - South 6th Street Connection
X.50 - 56	Stage 2B - County Road S14
X.57 - 60	Stage 3 - County Road S14
X.61 - 63	Stage 3 - South 6th Street Connection
X.64 - 68	Stage 4A - County Road S14
X.69 - 73	Stage 4B - Maple Street

* Color Plan Sheets

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
C Sheets	**Quantities and General Information**
C.1	Project Description
C.1	Estimated Project Quantities
C.1	Estimate Reference Information
C.1	Standard Road Plans
C.1	Index of Tabulations
C.1	Pollution Prevention Plan
C.1	General Notes
C.1	Tabulations (beg. with tab. of incidentals if needed)
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2	Project Overview
* D.3 - 6	US 30
E Sheets	**Side Road Plan and Profile Sheets**
* E.1 - 4	County Route S14
* E.5	Maple Street
* E.6	Maple Boulevard
* E.7	South 6th Street Connection
* E.8 - 9	Existing County Route S14
* E.10	Existing South 6th Street
G Sheets	**Survey Sheets**
G.1 - 2	Reference Ties and Bench Marks
G.3 - 4	Horizontal Control Tab. & Super for all Alignments
H Sheets	**Right-of-Way Sheets**
* H.1 - 2	US 30
* HE.1 - 2	County Route S14
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
J.1	Staging Notes Stage
* J.2	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.3 - 7	Staging and Traffic Control Sheets Stages 1A & 1B
* J.8 - 11	Staging and Traffic Control Sheets Stage 2A
* J.12 - 15	Staging and Traffic Control Sheets Stage 2B
* J.16 - 21	Staging and Traffic Control Sheets Stage 3
* J.22 - 28	Staging and Traffic Control Sheets Stages 4A & 4B

Preliminary 10-25-2022



DESIGN DATA RURAL

20-- AADT	--	V.P.D.
20-- AADT	--	V.P.D.
20-- DHV	--	V.P.H.
TRUCKS	--	%
Total Design ESALs	--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	X	Primary Signature Block
X	X	X

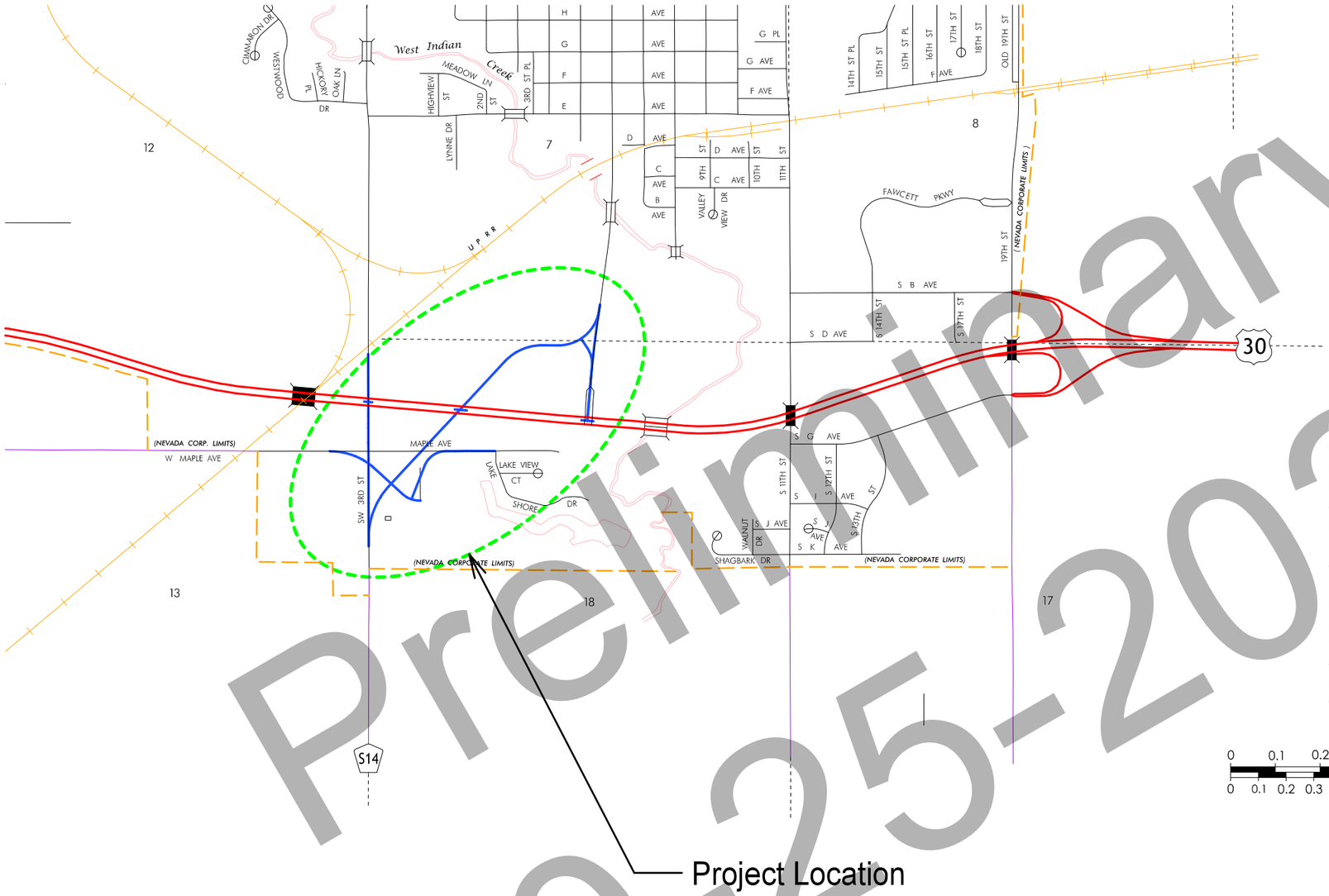
PRELIMINARY PLANS

Subject to change by final design.

D8 PLAN – Date: 11-1-2022

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER A.1

11:18:53 AM 10/13/2022 badey pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\8503003019\DistrictDesign\SHT_85030276_A01.dgn



09-09-16

LEGEND

INTERSTATE ROUTE	35
FREEWAY OR EXPRESSWAY ROUTE	30
U.S. NUMBERED ROUTE	6
BUSINESS ROUTE	61
STATE NUMBERED ROUTE	44
UNSIGNED ROUTE	461
COUNTY NUMBERED ROUTE	R38
SECONDARY ROAD OR ADJOINING CITY STREET	
CITY STREET	
PARK, INSTITUTION, OR FEDERAL ROAD	
RAILROAD	
CORPORATION LINE	
SECTION LINE	
CUL-DE-SAC	
SECTION, TOWNSHIP & RANGE NUMBERS	9, T-81N, R-30W

SCALE IN MILES

0 0.1 0.2 0.3 0.4 0.5 0.75 1.0

0 0.1 0.2 0.3 0.4 0.5 1.0 1.5 2.0

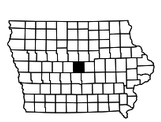
SCALE IN KILOMETERS

HIGHWAY AND STREET MAP OF

NEVADA IOWA

PREPARED BY

IOWA DEPARTMENT OF TRANSPORTATION
PLANNING, PROGRAMMING, AND MODAL DIVISION
OFFICE OF SYSTEMS PLANNING



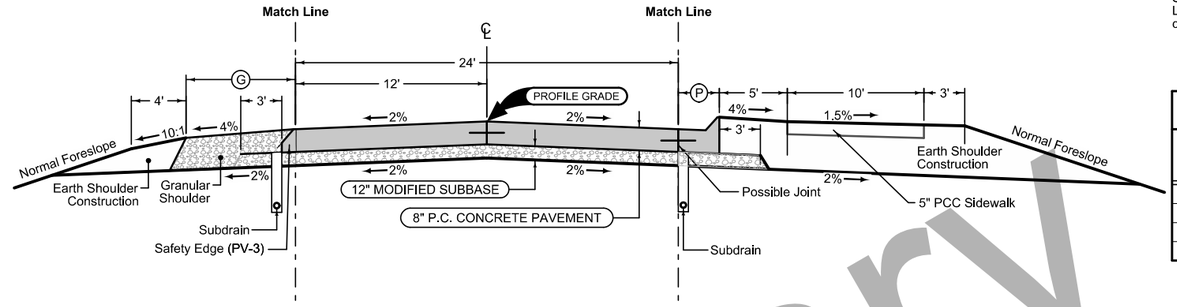
Preliminary 10-25-2022

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER A.2

11:18:55 AM 10/13/2022 badey pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\8503003019\DistrictDesign\SHT_85030276_A01.dgn

Granular Shoulder with Safety Edge

		2_G_ 10-21-14
STATION TO STATION		(G) Feet
3044+00	3051+76	4'
3053+45	Bridge Approach	4'
Bridge Approach	3087+00	4'



Curbed Shoulder With Sidewalk

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse:C at 17' spacing

		2_Curb_ MODIFIED	
STATION TO STATION		(P) Feet	Curb Type See PV-102
3044+00	3051+67	2.5'	6" Sloped
3053+47	Bridge	2.5'	6" Sloped
Bridge	3080+84	2.5'	6" Sloped
3083+42	3087+00	2.5'	6" Sloped

Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

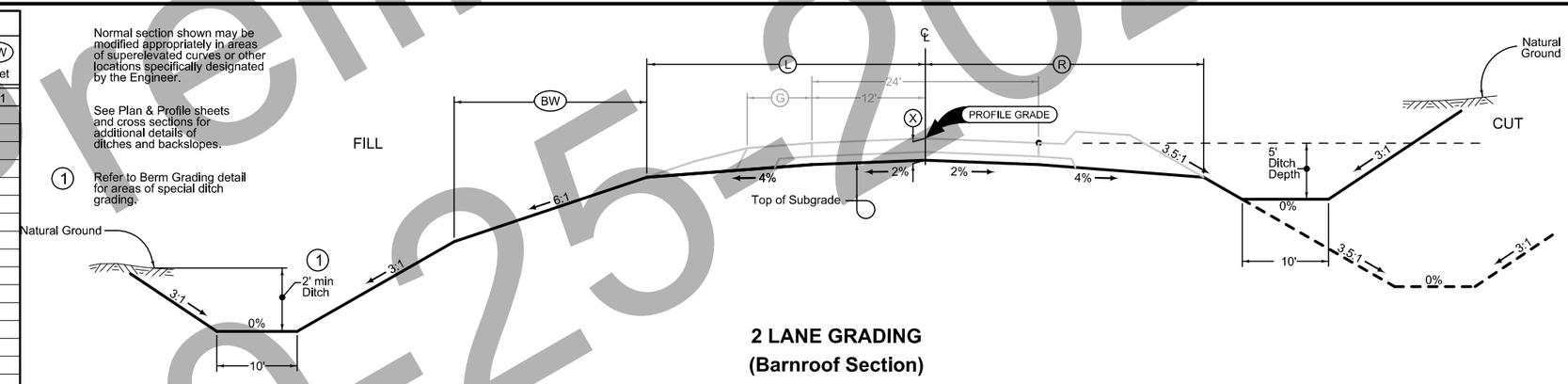
2P_ MODIFIED	
STATION TO STATION	
3044+00	3087+00

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet
S-14	3044+00	3087+00	22.9	37.4	20	3.1

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.

(1) Refer to Berm Grading detail for areas of special ditch grading.



2 LANE GRADING
(Barnroof Section)

See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

COUNTY ROUTE S14

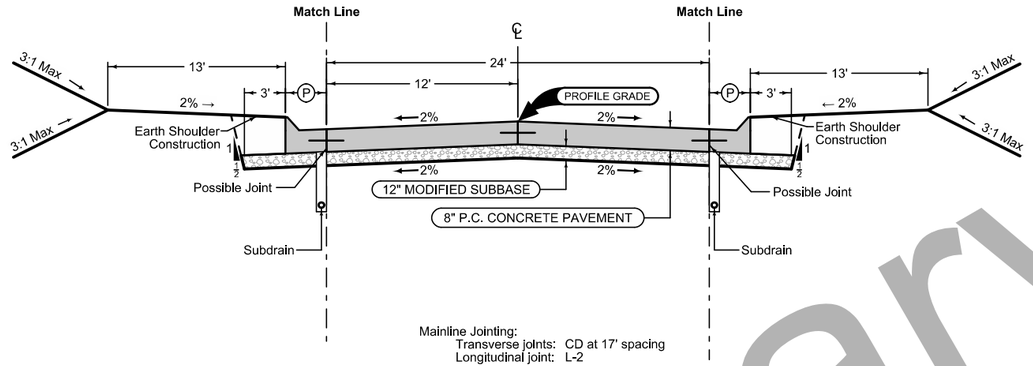
Preliminary 10-25-2022

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse:C at 17' spacing

				2_Curb_ MODIFIED
ROAD IDENTIFICATION	STATION TO STATION		(P) Feet	Curb Type See PV-102
Maple Street	4082+27	4083+04	2.5'	6" Sloped
Maple Street	4083+28	4087+16	2.5'	6" Sloped
Maple Boulevard	303+14	310+71	2.5'	6" Sloped



Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

			2P_ MODIFIED
ROAD IDENTIFICATION	STATION TO STATION		
Maple Street	4082+27	4083+04	
Maple Boulevard	304+01	309+04	

Curbed Shoulder

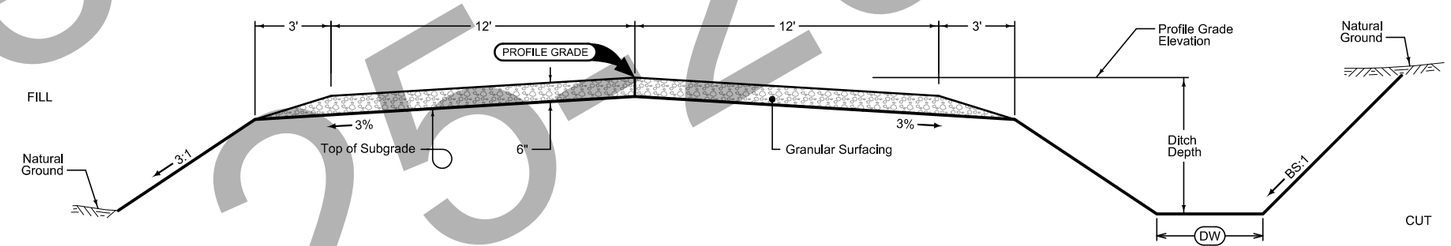
Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse:C at 17' spacing

				2_Curb_ MODIFIED
ROAD IDENTIFICATION	STATION TO STATION		(P) Feet	Curb Type See PV-102
Maple Street	4082+27	4083+04	2.5'	6" Sloped
Maple Street	4083+28	4084+14	2.5'	6" Sloped
Maple Boulevard	304+01	309+04	2.5'	6" Sloped

LOCATION			DIMENSIONS		
ROAD IDENTIFICATION	STATION TO STATION		FS	BS	(DW) Feet
Maple Street	4074+75	4082+27	3:1	3:1	10

G_2_GradeGran
10-17-17



Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See plan & profile sheets and cross sections for additional details of ditches and backslopes.

GRADING AND GRANULAR SURFACING

See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

SIDE ROAD MAPLE STREET/BOULEVARD

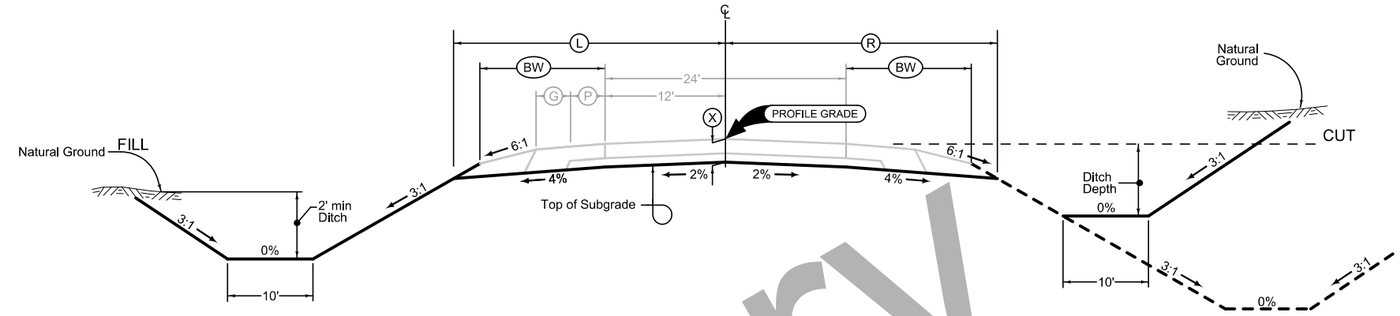
Preliminary 10-25-2022

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet
South 6th St. Connection	13085+40	13088+99	30.4	30.4	20	18

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.

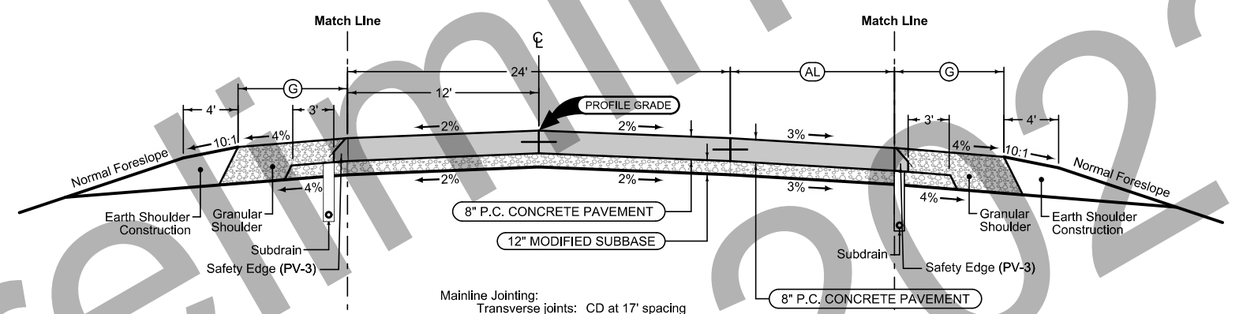
G_2_Grade_BR
04-21-20



2 LANE GRADING
(Barnroof Section)

Granular Shoulder with Safety Edge

		2_G_ 04-21-20
STATION TO STATION		(G) Feet
13085+40	13087+39	10



Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

	2P_ 04-21-20
STATION TO STATION	
13085+40	13088+99

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

		2_AuxLane_PCC_ 10-18-16
STATION TO STATION		(AL) Feet
13085+40	13087+00	0-12
13087+00	13088+99	12

Granular Shoulder with Safety Edge

		2_G_ 04-21-20
STATION TO STATION		(G) Feet
13085+40	13087+87	10

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

			2_Curb_ 04-21-20
STATION TO STATION		(P) Feet	Curb Type See PV-102
13087+39	13088+99	2.5'	6" Sloped

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

			2_Curb_ 04-21-20
STATION TO STATION		(P) Feet	Curb Type See PV-102
13087+87	13088+99	2.5'	6" Sloped

See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

SOUTH 6TH STREET
SIDE ROAD CONNECTION

Preliminary
10-25-2022

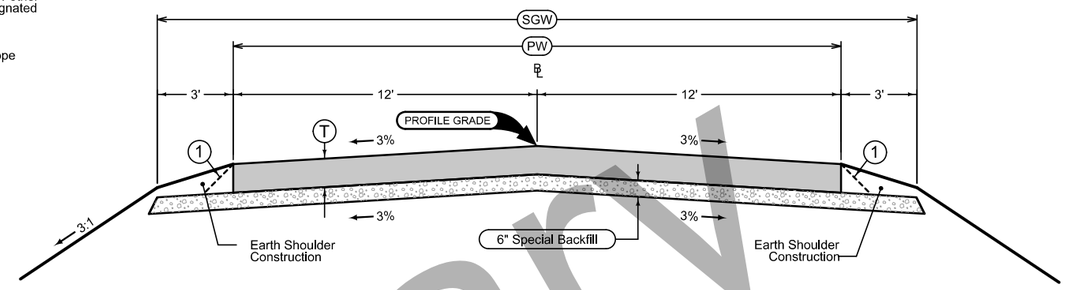
LOCATION			DIMENSIONS						6" Special Backfill	Earth Shoulder Construction
			HMA			PCC				
ROAD IDENTIFICATION	STATION TO STATION		(PW) Feet	(T) Inches	(SGW) Feet	(PW) Feet	(T) Inches	(SGW) Feet	Tons	Station
Maple Street	4079+70	4082+27	24	7	30	24	6	30	294	5.30

Quantity calculations based on vertical pavement edges.

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

(1) Possible HMA 1:1 slope

D_Detour
MODIFIED



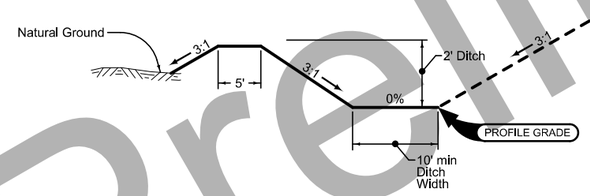
DETOUR PAVING

LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
US 30	2061+35	2064+50
S14	3066+00	3070+40

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.

Berm Grading
MODIFIED



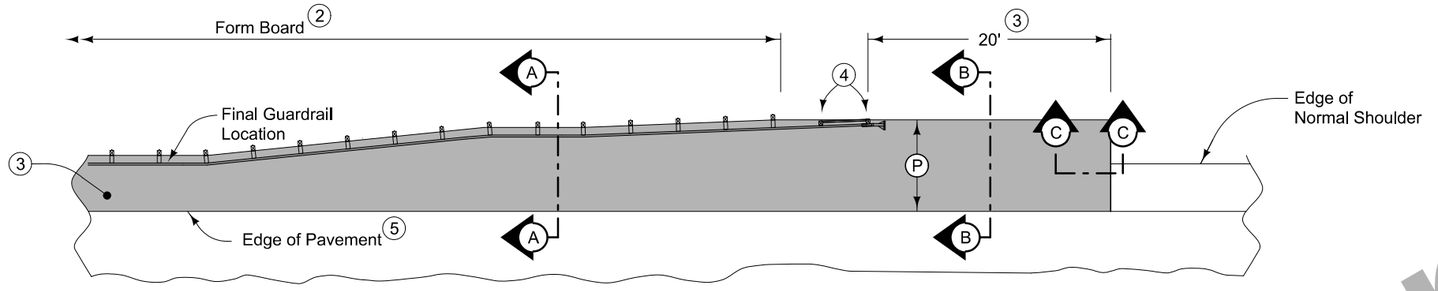
See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

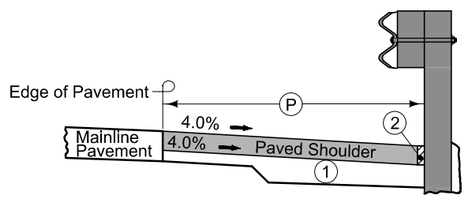
DETOUR PAVEMENT AND BERM GRADING TYPICAL

Preliminary 10-25-2022

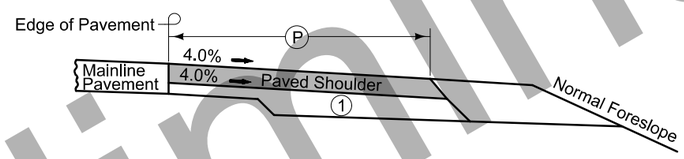
DESIGNER INFO | 7156 | 04-18-17



PLAN VIEW

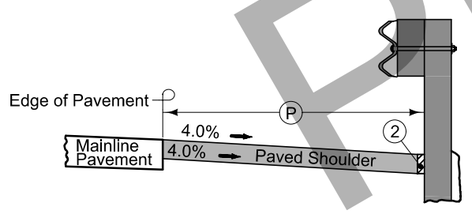


Section A-A

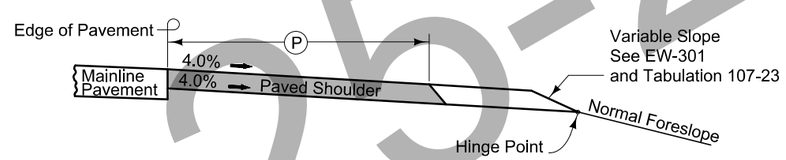


Section B-B

NEW CONSTRUCTION



Section A-A



Section B-B

EXISTING SHOULDER

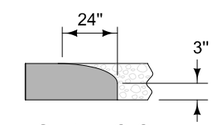
9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

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.

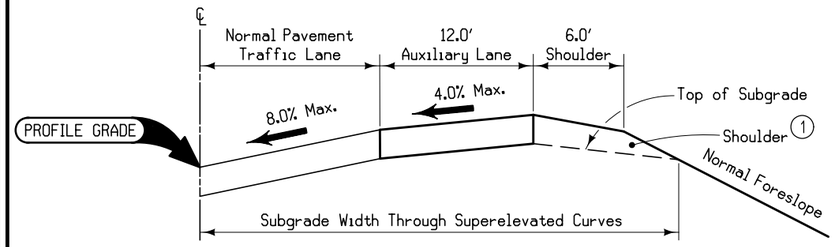


Section C-C
Roll down at granular shoulder or earth.

PAVED SHOULDER AT GUARDRAIL

Preliminary 10-25-2022

2013
09-29-92



Notes:

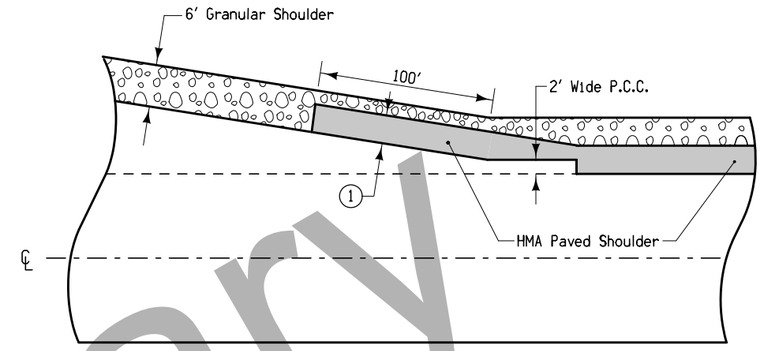
On the high side of superelevated curves, the surface of auxiliary lane pavement shall be maintained at the same slope as the adjacent traffic lane until the superelevation reaches 4.0%. When the traffic lane pavement slope is greater than 4.0%, the auxiliary slope will remain constant at 4.0%.

On the low side of superelevated curves, the surface of auxiliary lane pavement shall slope the same as the adjacent lane pavement.

(1) Refer to other drawings for details of shoulder design and construction.

TYPICAL HALF SECTION OF AUXILIARY LANE THROUGH AREAS OF SUPERELEVATION

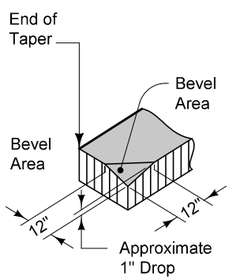
7154
04-20-10



(1) Width of paved shoulder on taper matches width of paved shoulder on mainline.

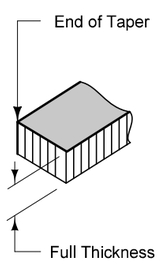
PAVED SHOULDER DETAIL AT RAMP TAPERS (Non-Interstate)

7101
10-19-10



DETAIL 'A'

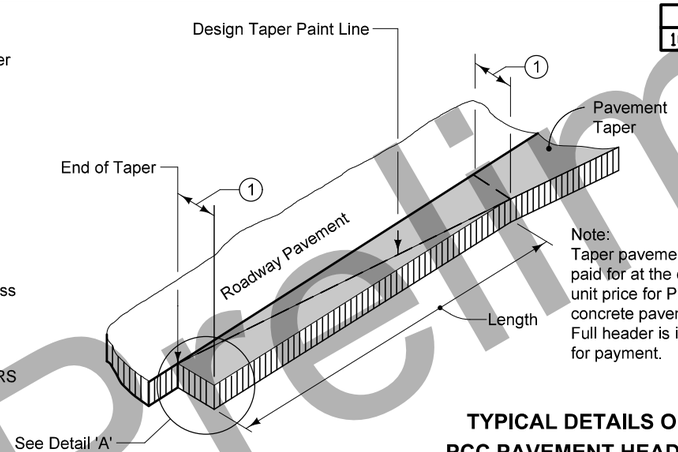
FOR GRANULAR SHOULDERS



DETAIL 'A'

FOR PAVED SHOULDERS

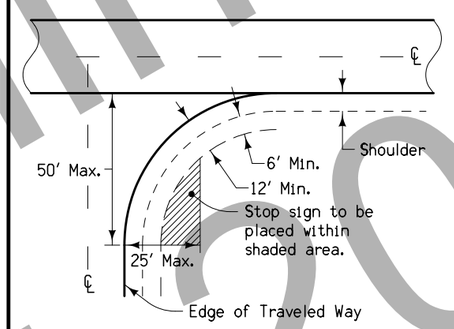
(1) Normal width is 2'-0". Construct 4'-0" width when butting into 4' wide HMA shoulders (See Typical 7154A).



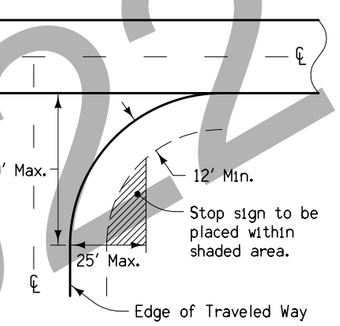
Note:
Taper pavement to be paid for at the contract unit price for P.C. concrete pavement. Full header is included for payment.

TYPICAL DETAILS OF PCC PAVEMENT HEADER

9503
07-15-97



CASE 'A' WITH SHOULDER



CASE 'B' WITHOUT SHOULDER

NOTES:

Stop signs should be confined to the shaded areas, but as close to the approach roadway as possible to provide the motorist with the best visual impact.

If possible, stop signs should be placed at the point where vehicles are to stop or as near as practical.

In rural areas, the lateral clearance should not be closer than 6′ from the edge of a usable shoulder, or if none, 12′ from edge of the traveled way.

In urban areas, stop signs should be placed a minimum of 6′ from the near edge of the intersected street or a minimum of 4′ in advance of the near edge of a marked crosswalk. Lateral clearance may be reduced to a minimum of 2′ from the face of a curb.

Where the approach roadway consists of two lanes of traffic, a second stop sign should be placed where it is visible to traffic in the inner lane.

At channelized intersections, the additional stop sign may be placed on a channelized island or median.

STOP SIGN PLACEMENT

Preliminary 10-25-2022

SURVEY SYMBOLS

- SNP Unpaved Shoulder
- SOP Size of Pipe or Culvert
- PIP Pipe Culvert
- PPA Power Pole Co. 1
- SI Sign
- RRS Railroad Signal
- BLD Building or Foundation
- EB Electrical Box
- UB Utility Box
- FHD Fire Hydrants
- LUM Luminaire
- LIN Miscellaneous Line
- RR Centerline of Railroad Tracks
- PR Electic Riser Pole
- TDC Tree Deciduous
- RRW Railroad Switch
- TR Telephone Riser Pole
- BRG Bridge
- BLS Bridge Low Steel
- TOP Top of Bridge Pier
- RRB Railroad Signal Box
- RRR Railroad Rail
- SH Paved Shoulder
- EP Edge of Paved Roads (ML or SR)
- CU Back of Curb
- ENU Edge Unpaved Entrance & Parking
- ENP Edge Paved Entrance & Park Lot
- DU Centerline Draw or Stream (Up)
- FO3D Fiber Optic Co. 3 - Quality D
- TV1D TV Cable Co. 1 - Quality D
- FO2D Fiber Optic Co. 2 - Quality D
- PLG Location of General Photo
- ENT Centerline BL of Entrance
- LC Lot Corner
- MH Utility Access (Manhole)
- SL Speed Limit Sign
- INB Storm Sewer Beehive Intake
- FW Wire Fence
- TIL Tile Line
- OUT Tile Outlet
- MM Mile Marker Post
- CUL Culvert
- MIS Miscellaneous
- TPD Telephone Pedestal
- IN Storm Sewer Intake
- RET Retaining Walls
- GP Guard Post (Less Than 4 Posts)
- GV Gas Valve
- WV Water Valve
- FLG Flag Poles
- SEP Septic Tank
- EG Edge of Gravel Road
- D Centerline Draw or Stream (Down)
- GU Gutter In Front of Curb
- CON Concrete or A/C Slab
- SWK Sidewalk
- BNK Stream Bank
- DIK Centerline of Dike or Dam
- EL1D Electric Line Co. 1 - Quality D
- SA1D Sanitary Sewer Co. 1- Quality D
- ST1D Storm Sewer Co. 1 - Quality D
- WL1D Water Line Co. 1 - Quality D
- GH1D High Pres Gas Co 1 - Quality D
- UE Utility Elevation
- FO1D Fiber Optic Co. 1 - Quality D
- FO4D Fiber Optic Co. 4 - Quality D
- GL1D Gas Line Co. 1 - Quality D
- FO6D Fiber Optic Co. 6 - Quality D
- TL1D Telephone Line Co. 1 - Quality D
- FO5D Fiber Optic Co. 5 - Quality D
- TL2D Telephone Line Co. 2 - Quality D
- GH2D High Pres Gas Co 2 - Quality D
- FO8D Fiber Optic Co. 8 - Quality D
- PRO Profile Shot
- BL Topo Breakline
- FO7D Fiber Optic Co. 7 - Quality D
- WL2D Water Line Co. 2 - Quality D
- BLD Building or Foundation
- TDC Tree Deciduous
- RRS Railroad Signal
- TEV Evergeen Tree

UTILITY LEGEND

This is a POINT 25 Project and is subject to the provisions of IAC 761-115.25.

-E1-
Consumers Energy
Jim Kidd
2075 Marshalltown Blvd
Marshalltown, IA 50158-1058
(641) 752-1593
jkidd@consumersenergy.coop

-FO-
Sprint-TMobile
Mike Chebu
810 South 7th Street
Omaha, NE 68108
(402) 522-2607
michael.j.chebul@t-mobile.com

-FO2-
Colo Telephone Company
Larry W. Springer
303 Main Street
Colo, IA 50056
(641) 377-2202
larrycolo@netins.net

-FO3-
Centurylink
Steve Parker
2103 E. University Ave.
Des Moines, IA 50317
(515) 265-0968
Steven.Parker4@lumen.com

-FO4-
Mediacom Communications Corporation
Julie Bent
2205 Ingersoll Ave
Des Moines, IA 50312
(515) 323-8499
jbent@mediacomcc.com

-FO5-
MCI/Verizon Business
Jim Powers
2600 Westown PKWY Suite 100
West Des Moines, IA 50266
(515) 380-2208
jim.powers1@Verizon.com

-FO6-
Iowa Communications Network
Mike Broderick
400 E 14th St, Grimes State Office Building
Des Moines, IA 50319
(515) 725-4610
Mike.Broderick@iowa.gov

-FO7-
Windstream Communications
Luke Niles
4001 N. Rodney Parham, 3rd floor
Little Rock, AR 72212
(501) 748-5893
Luke.t.niles@windstream.com

-FO8-
Level3 Communications, LLC
Ivan Richert
1025 Eldorado Blvd
Broomfield, CO 80021
(515) 707-5494
ivan.richert@level3.com

-G-HP-
Koch Pipeline Inc.
Dustin Abrahams
25346 110th Place
Eaglevile, MO 64442
(651) 438-7277
Dustin.abrahams@kochpipeline.com

-G2-HP-
Magellan Pipeline Company, L.P.
Tim Kassen
One Williams Center OTC-8
Tulsa, IA 74172
(918) 574-7351
tim.kassen@magellanlp.com

-G-
Alliant Energy
Mary Montgomery
PO Box 351
Cedar Rapids, IA 52406-9874
(319) 786-4768
MaryMontgomery@alliantenergy.com

-San.-
NEVADA
Michael Neal
457 S. 6th Street
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(515) 382-2621
wastewater@cityofnevadaiowa.org

-St.S.-
NEVADA
Michael Neal
457 S. 6th Street
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(515) 382-2621
wastewater@cityofnevadaiowa.org

-T1-
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4001 N. Rodney Parham, 3rd floor
Little Rock, AR 72212
(501) 748-5893
Luke.t.niles@windstream.com

-T2-
Centurylink
Steve Parker
2103 E. University Ave.
Des Moines, IA 50317
(515) 265-0968
Steven.Parker4@lumen.com

-TV-
Mediacom Communications Corporation
Paul May
2205 Ingersoll Ave
Des Moines, IA 50312
(515) 246-2252
pmay@mediacomcc.com

-W-
Iowa Regional Utilities Association
Michael Madren
3801 Iowa Speedway Drive
Newton, IA 50208
(641) 792-7011
mmadren@irua.net

-W2-
NEVADA
Shawn Ludwig
1231 W. Lincoln Hwy
Nevada, IA 50201
(515) 382-2074
nevadawater@cityofnevadaiowa.org

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING	**Design Color No.**	
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(48)	Proposed Pavement Shading
Gray, Med	(80)	Proposed Granular Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

- Reference Point
- Survey Line
- Station
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

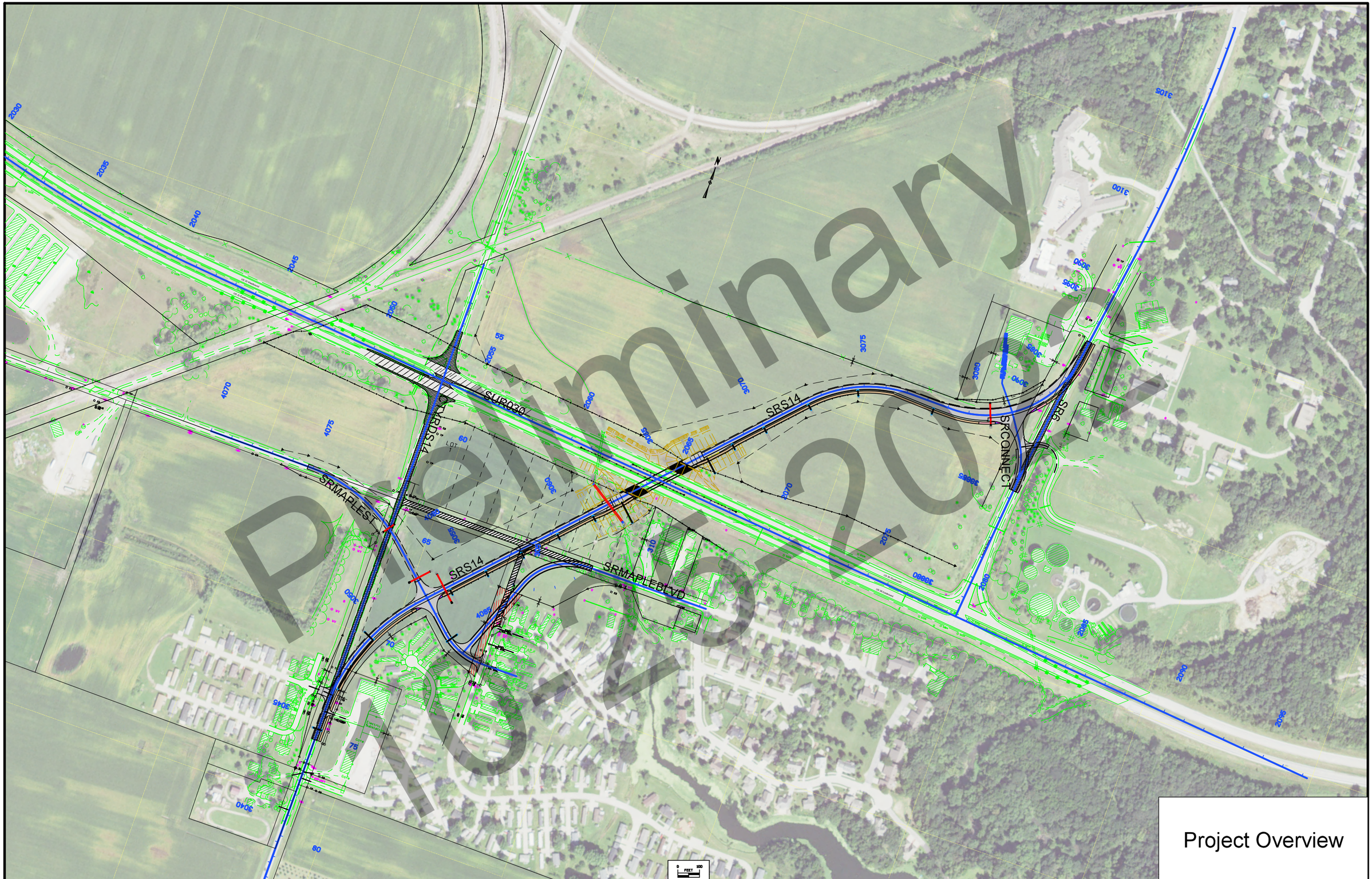
RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

Preliminary 10-25-2022



Project Overview

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER D.2

10:10:13 AM 10/24/2022 badey pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\8503003019\DistrictDesign\SHT_85030276_D02.dgn

Grant TWP.
T-83N R-23W
SEC. 13

Existing S14

55

+86.40 R 2
169.00 LT

+98.61 R 2
169.00 LT

+05.00 R 2
153.00 LT

Sta 2054+06.93 R 2, 59.00 LT
End Pavement Removal

2045

+78.52 R 2
61.15 LT

+97.14 R 2
51.79 LT

2050

Sta 2052+45.40 R 2, 59.00 LT
Begin Pavement Removal

2055

US 30 Westbound

+67.52 R 2
22.08 LT

Sta 2053+00.22 R 2, 17.00 LT
Begin Pavement Removal

US 30 Eastbound

+23.23 R 2
22.16 RT

Sta 2054+12.44 R 2, 17.00 RT
End Pavement Removal

+93.21 R 2
52.07 RT

Sta 2049+73.90 R 2, 17.00 RT
Begin Pavement Removal

+37.00 R 2
80.31 RT

Sta 2054+39.04 R 2, 59.00 RT
End Pavement Removal

Sta 2050+39.70 R 2, 59.00 RT
Begin Pavement Removal

+49.88 R 2
184.00 RT

+26.98 R 2
134.00 RT

+33.28 R 2
184.00 RT

60

Note: Maintain Minimum 6' Paved, 10' Effective outside shoulder and 4' Paved Inside Shoulder When Removing Pavement Adjacent to US 30.

0 50
FEET

Preliminary
10-25-2022

US 30

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER D.3

10:10:18 AM 10/24/2022 badey pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\8503003019\DistrictDesign\SHT_85030276_D02.dgn

Nevada TWP.
T-83N R-22W
SEC. 18

15" X 14' C.M.P. W/ Conc Pipe Extension

(UAC)
Sta. 2061+44.57
Skew 14° 55' 28"
8' X 5.5' X 167' RCB
D.A. = 186 Ac - R

County Road S14

Trail

+08.29 R 2
128.21 LT

+83.35 R 2
152.00 LT

+78.70 R 2
131.51 LT

+94.49 R 2
151.00 LT

+97.07 R 2
150.00 LT

2060

3065

2070

Sta 2057+83.01 R 2, 17.00 LT
End Pavement Removal

US 30 Westbound

+14.00 R 2
14.50 LT

POT Sta. 2064+35.02 R 2 (SUR030)
= POT Sta. 3064+49.73 (SRS14)

+65.00 R 2
14.50 RT

US 30 Eastbound

+70.50 R 2
14.50 RT

+76.20 R 2
127.78 RT

+20.00 R 2
14.50 LT

+66.01 R 2
119.00 RT

+05.30 R 2
131.97 RT

+96.64 R 2
119.00 RT

+65.00 R 2
134.00 RT

+64.25 R 2
169.42 RT

Sta. 2069+71.23, 10.08 Rt.
24" X 69' Conc Pipe
D.A. = Median Only - F

3060

(UAC)
15" X 181' C.M.P.

18" X 27' Conc Pipe

(UAC)
12" X 49' C.M.P.

Trail

0 FEET 50

Preliminary
10-25-2022

US 30

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER D.4

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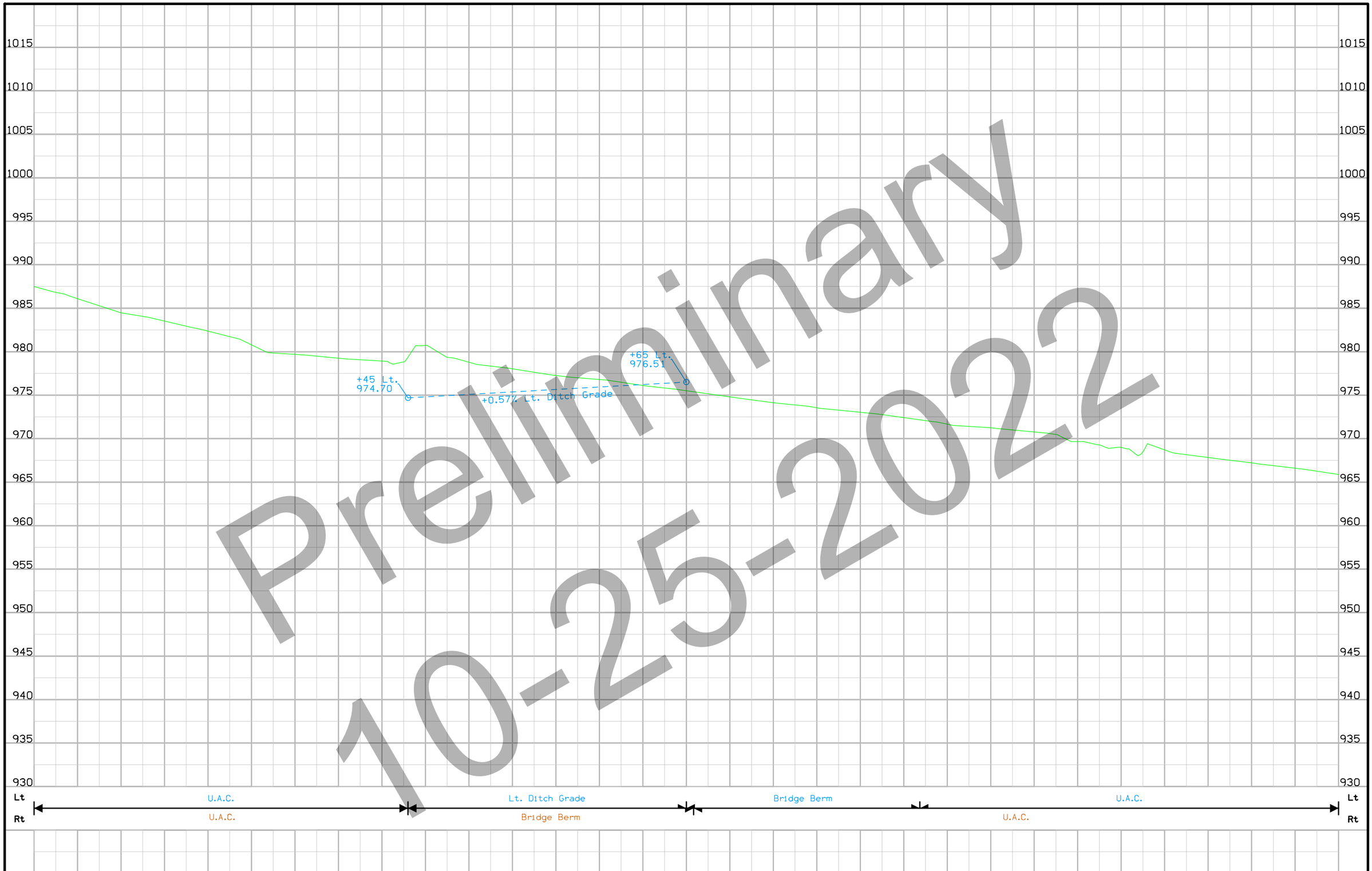

Preliminary
10-25-2022

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Preliminary
10-25-2022

US 30

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER D.6

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Preliminary
10-25-2022

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER H.1

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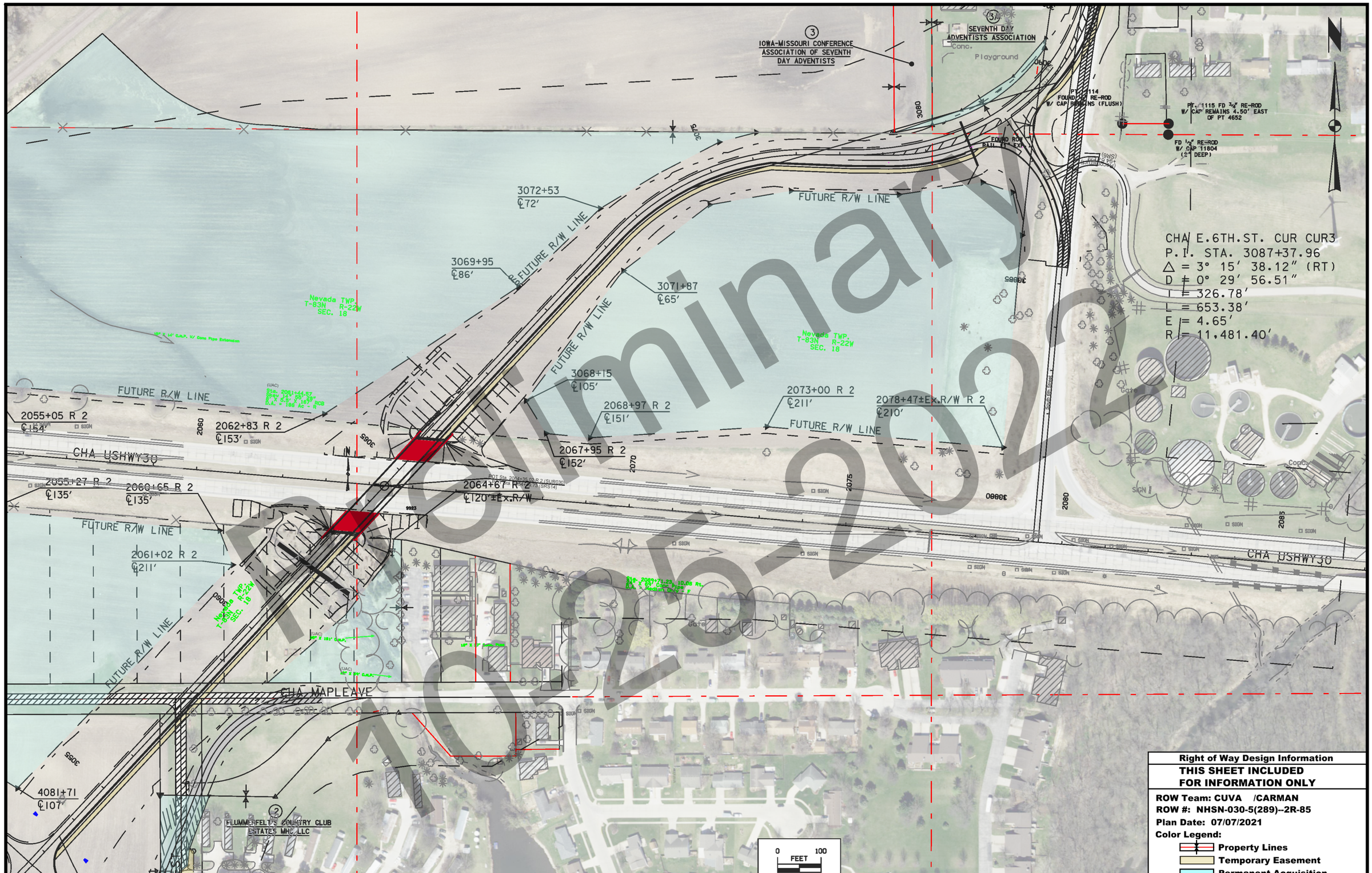

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: CUVA /CARMAN

ROW #: NHSN-030-5(289)--2R-85

Plan Date: 07/07/2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER H.2

4:07:08 PM 4/19/2022 acarman pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\8503003019\ROW\85030289.sht

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: CUVA /CARMAN
ROW #: NHSN-030-5(289)--2R-85
Plan Date: 05/03/2021
Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER HE.1

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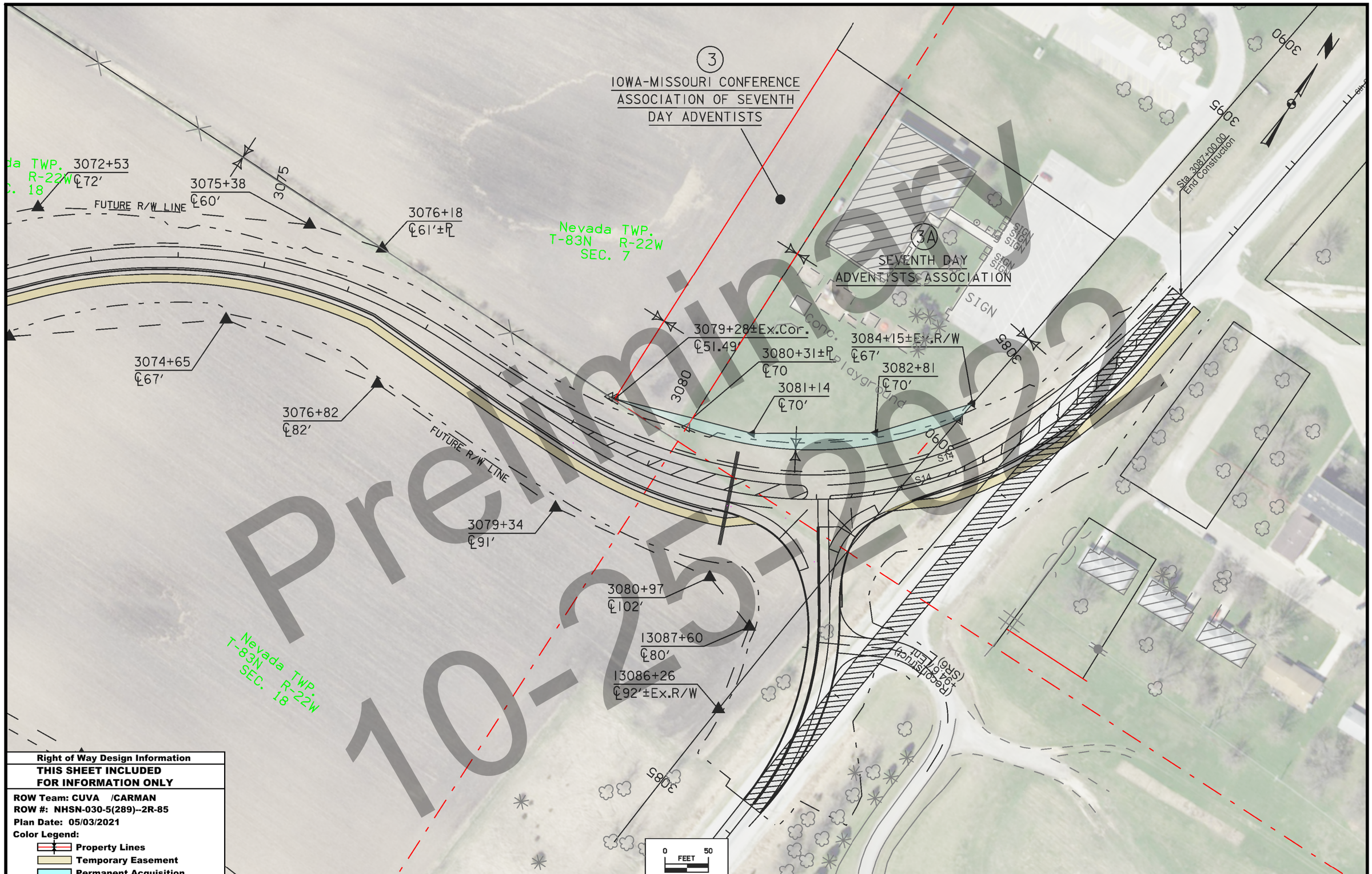


Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

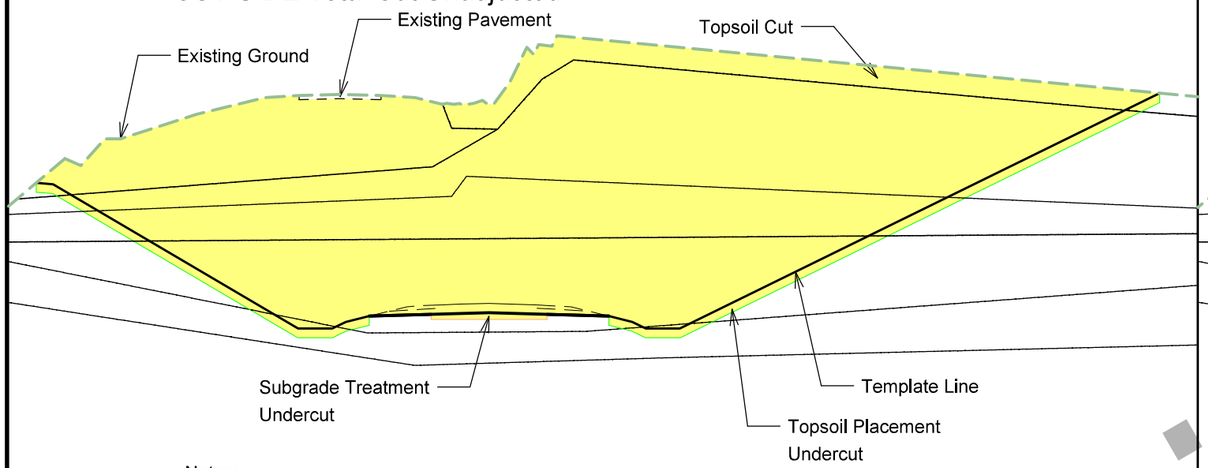
ROW Team: CUVA /CARMAN
ROW #: NHSN-030-5(289)--2R-85
Plan Date: 05/03/2021
Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Smyth \ Adey	STORY COUNTY	PROJECT NUMBER NHSX-030-5(276)--3H-85	SHEET NUMBER HE.2

4:03:16 PM 4/19/2022 acarman pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\8503003019\ROW\85030289.sht

CUT SIDE Total Cut Unadjusted

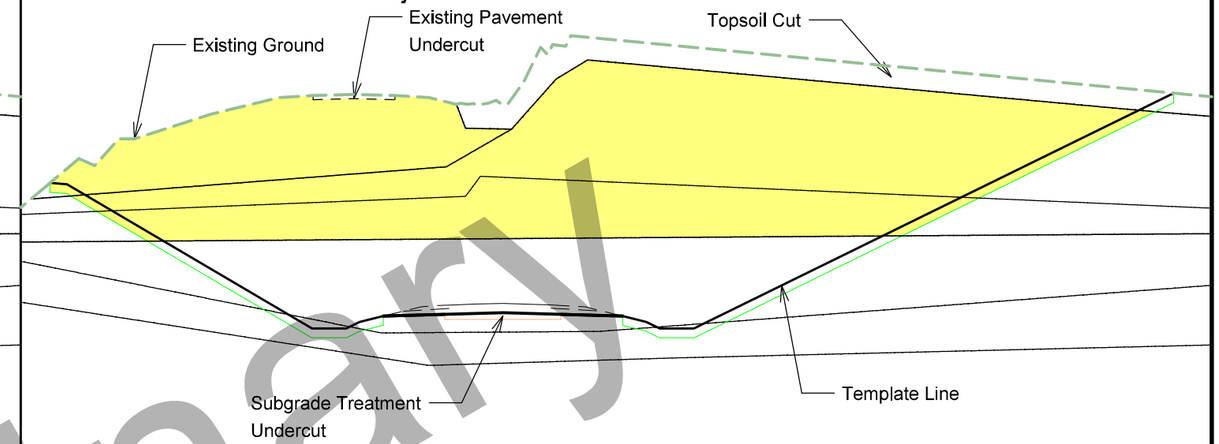
RURAL



Notes:

1. "Total Cut Unadjusted" Column includes all cut values in the Station Range based on Typical, Topsoil and Subgrade Treatment needs.
2. "Total Cut Unadjusted" does not include and Existing Pavement values inside or outside the cut template as shown on cross sections.
3. Tabulated Plowing and Shaping operations are included in the "Total Cut Unadjusted" values.

CUT SIDE Total Cut Adjusted

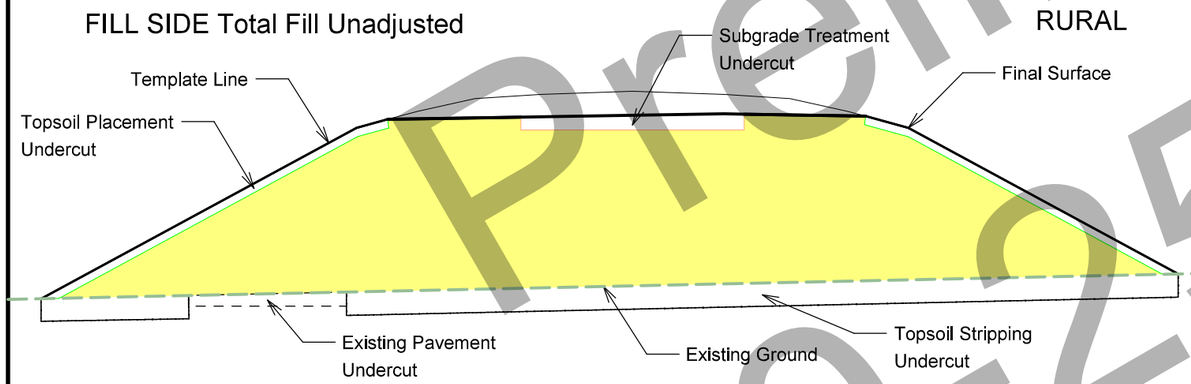


Notes:

1. "Total Cut Adjusted" Column includes all cut values usable as Class 10 material.
2. "Total Cut Adjusted" does not include and Existing Pavement , Existing Topsoil, or material to be wasted.

FILL SIDE Total Fill Unadjusted

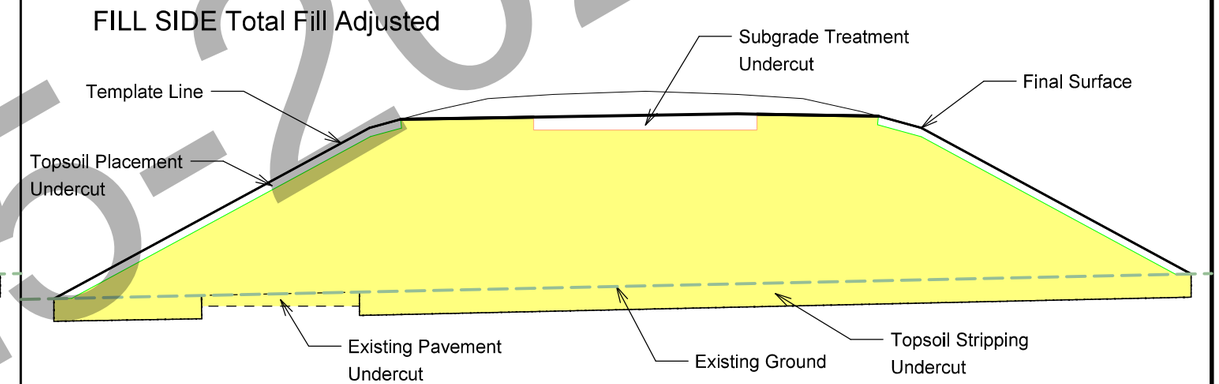
RURAL



Notes:

1. "Total Fill Unadjusted" Column includes all Class 10, 12, and 13 fill. This excludes the topsoil, subgrade treatment, subbase, new pavement, and shoulder fill needs in that station range.
2. "Total Fill Unadjusted" Column does not include adjustments for additional fill from cuts such as existing pavement removed, plowing and shaping operations, entrances, dikes, or topsoil stripping.

FILL SIDE Total Fill Adjusted



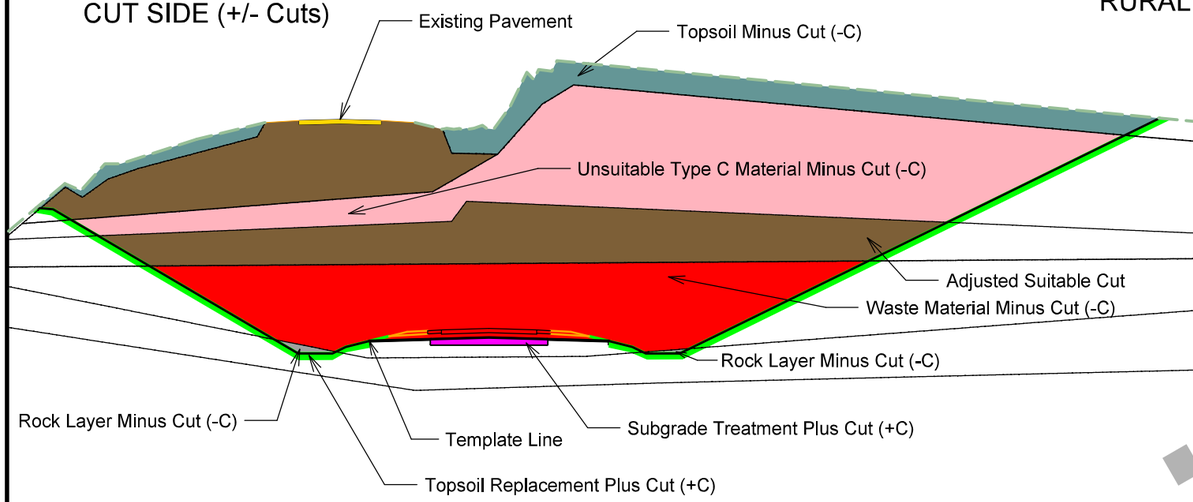
Notes:

1. "Total Fill Adjusted" Column includes all Class 10, 12, and 13 fill and adjustments for additional fill from cuts such as existing pavement, plowing and shaping operations, entrances, dikes, and topsoil stripping.
2. The available area to place unsuitable materials in the T Sheet tabulation does not include the undercut values from the topsoil stripping, existing pavement, or plowing and shaping

Preliminary
10-25-2022

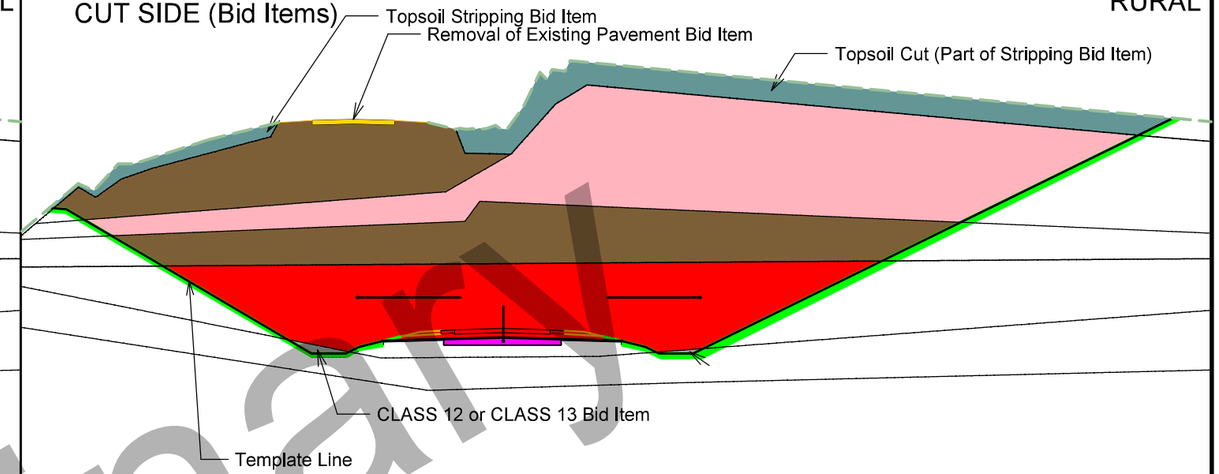
CUT SIDE (+/- Cuts)

RURAL



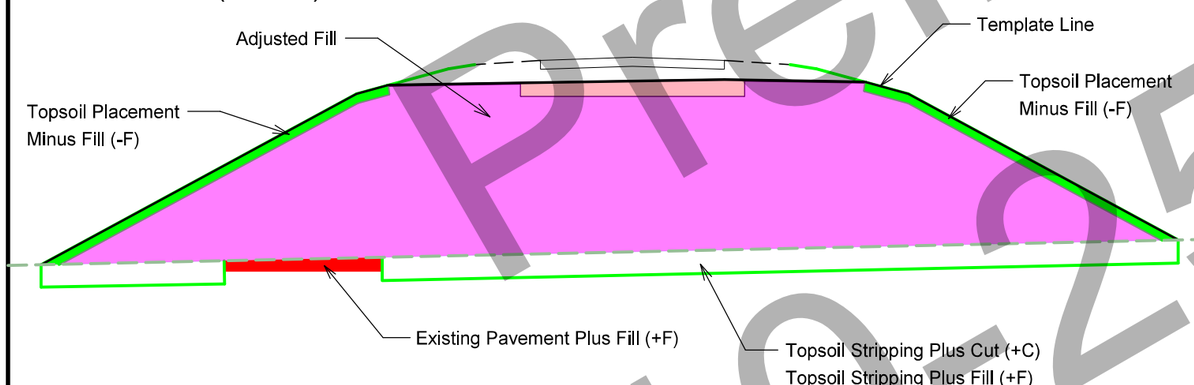
CUT SIDE (Bid Items)

RURAL



FILL SIDE (+/- Fills)

RURAL

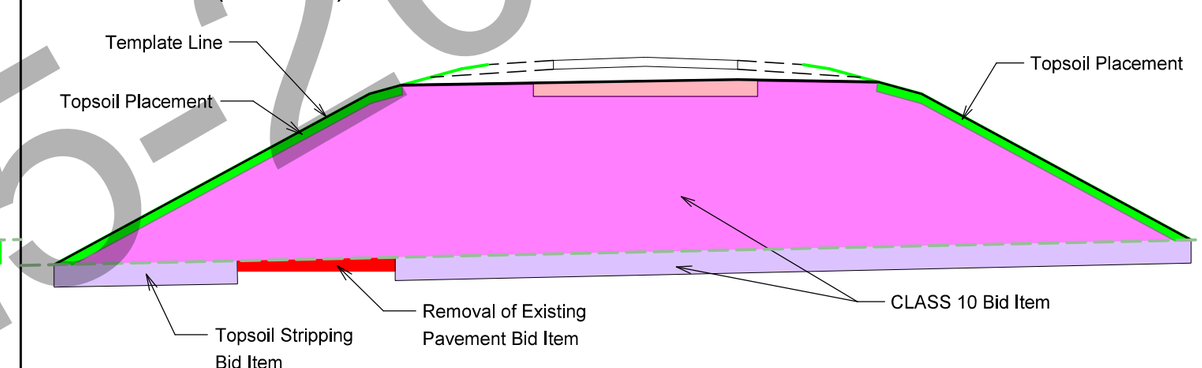


Notes:

1. "Add Quantity +C" columns are additional cut encountered that is not Typical, Topsoil, or Subgrade Treatment Based. (Entrance, Dike, Etc.)
2. "-C" columns are either soil types or Class 10, 12, or 13 designated material that is encountered in the cut station range that is paid for by other bid items.
3. The "(SoilType) Cut" columns are soil types encountered in the cut that are paid by either Class 10, 12 or 13.
4. The "Adjusted Clas (10,12 or 13)" columns are the sum of all various soil types encountered in that station range, that are paid by Class 10, 12, or 13 bid items.
5. Refer to Standard Road Plan EW-102 for placement of unsuitable soil types.

FILL SIDE (Bid Items)

RURAL



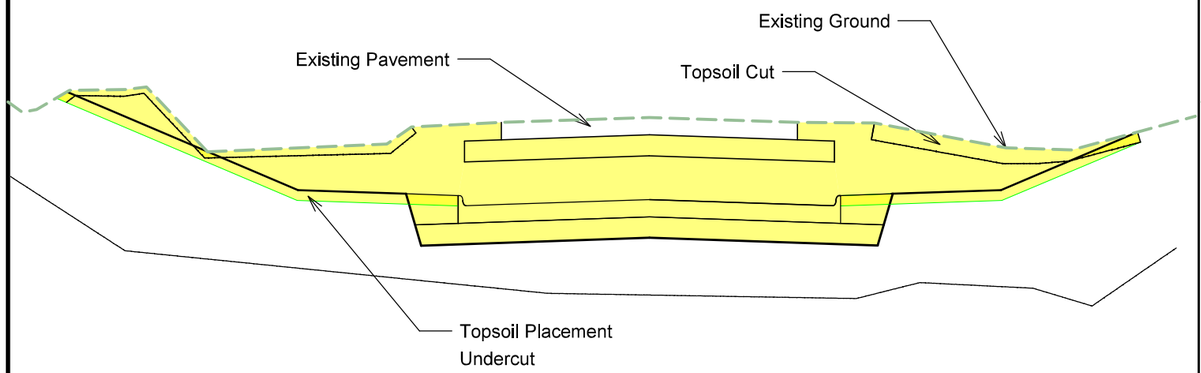
Notes:

1. Refer to Standard Road Plan EW-102 for placement of unsuitable soil types.

Preliminary
10-25-2022

CUT SIDE Total Cut Unadjusted

URBAN

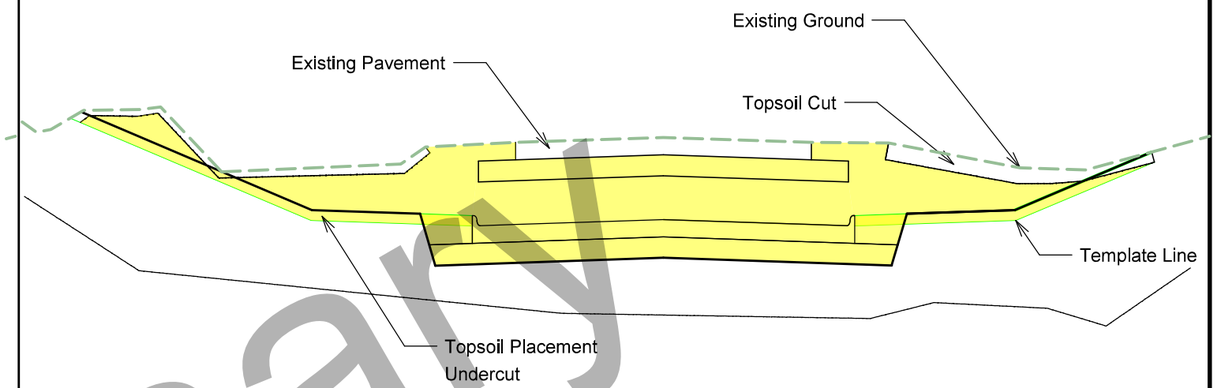


Notes:

1. "Total Cut Unadjusted" Column includes all cut values in the Station Range based on Typical, Topsoil and Subgrade Treatment needs.
2. "Total Cut Unadjusted" does not include and Existing Pavement values inside or outside the cut template as shown on cross sections.
3. Tabulated Plowing and Shaping operations are included in the "Total Cut Unadjusted" values.

CUT SIDE Total Cut Adjusted

URBAN

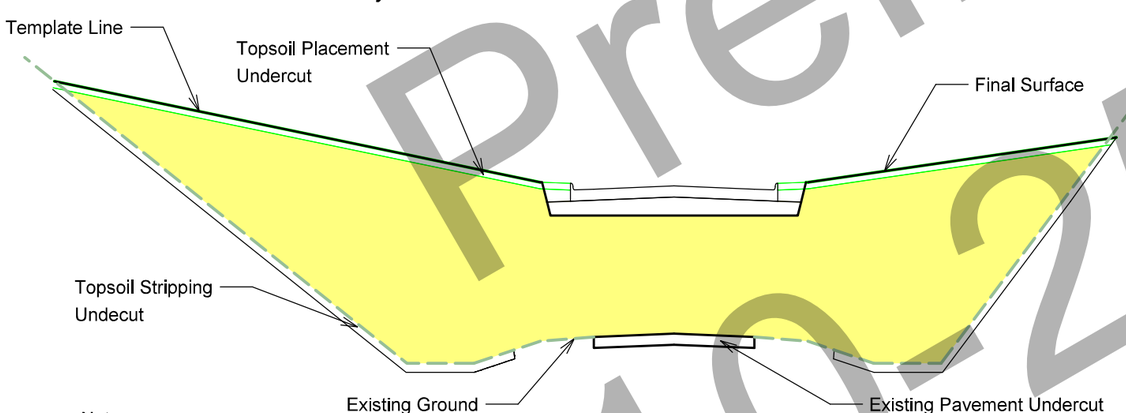


Notes:

1. "Total Cut Adjusted" Column includes all cut values usable as Class 10 material.
2. "Total Cut Adjusted" does not include and Existing Pavement , Existing Topsoil, or material to be wasted.

FILL SIDE Total Fill Unadjusted

URBAN

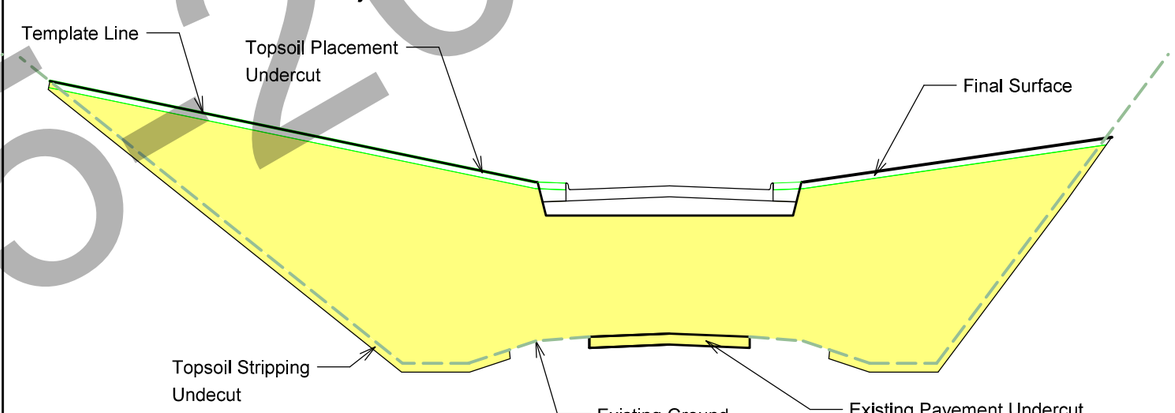


Notes:

1. "Total Fill Unadjusted" Column includes all Class 10, 12, and 13 fill. This excludes the topsoil, subgrade treatment, subbase, new pavement, and shoulder fill needs in that station range.
2. "Total Fill Unadjusted" Column does not include adjustments for additional fill from cuts such as existing pavement removed, plowing and shaping operations, entrances, dikes, or topsoil stripping.

FILL SIDE Total Fill Adjusted

URBAN



Notes:

1. "Total Fill Adjusted" Column includes all Class 10, 12, and 13 fill and adjustments for additional fill from cuts such as existing pavement, plowing and shaping operations, entrances, dikes, and topsoil stripping.
2. The available area to place unsuitable materials in the T Sheet tabulation does not include the undercut values from the topsoil stripping, existing pavement, or plowing and shaping

Preliminary
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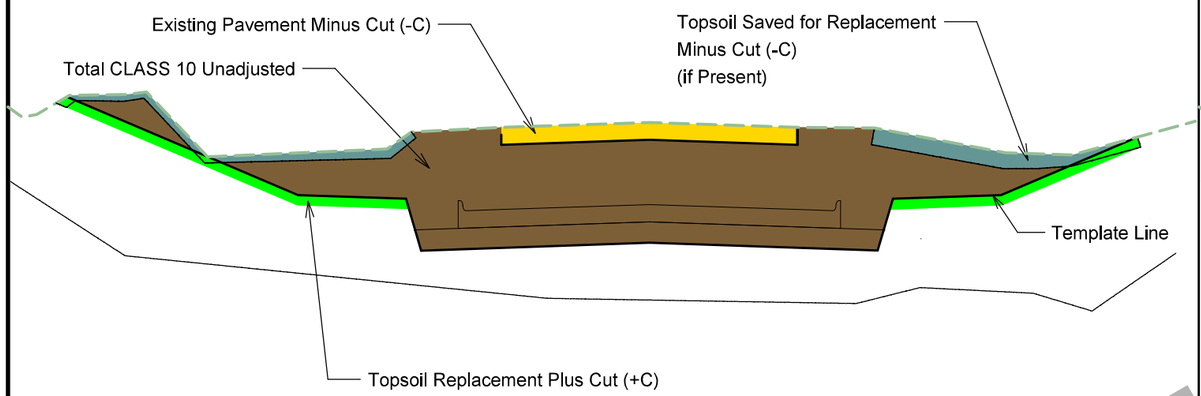
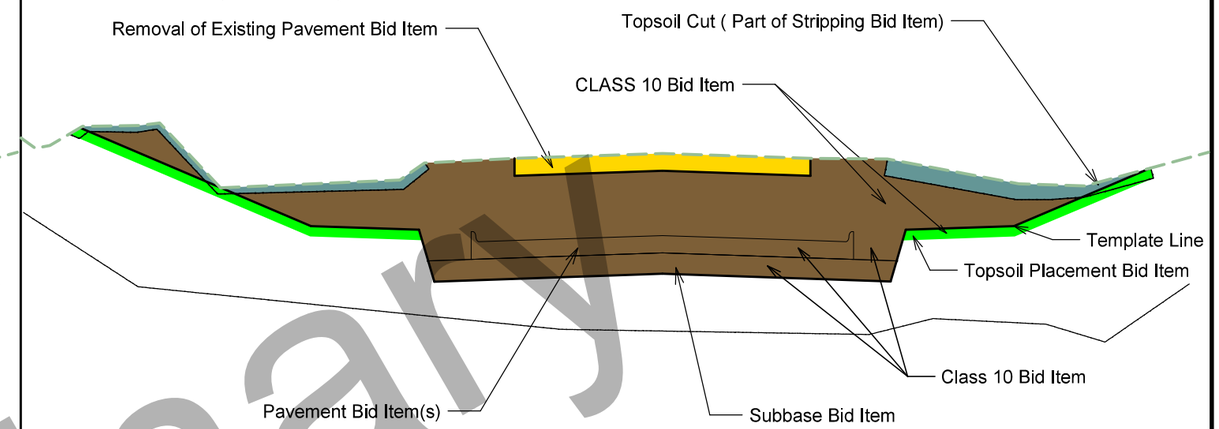
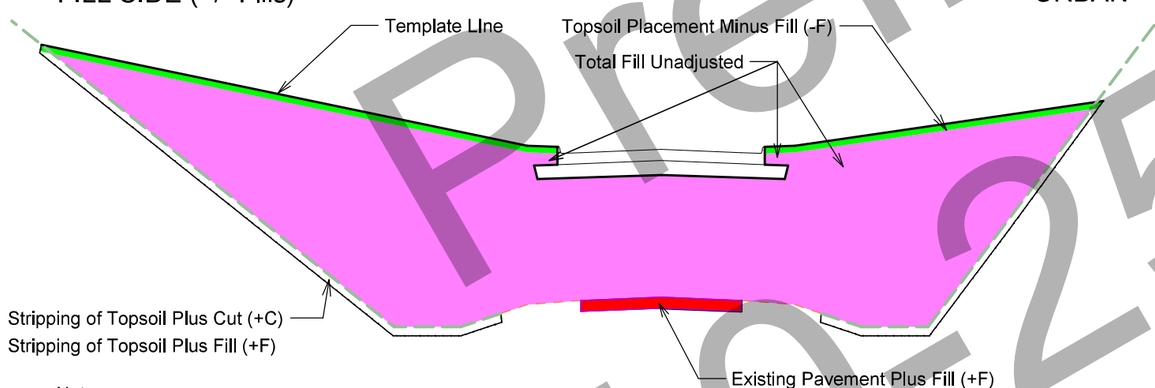
CUT SIDE (+/- Cuts) — URBAN



CUT SIDE (Bid Items) — URBAN



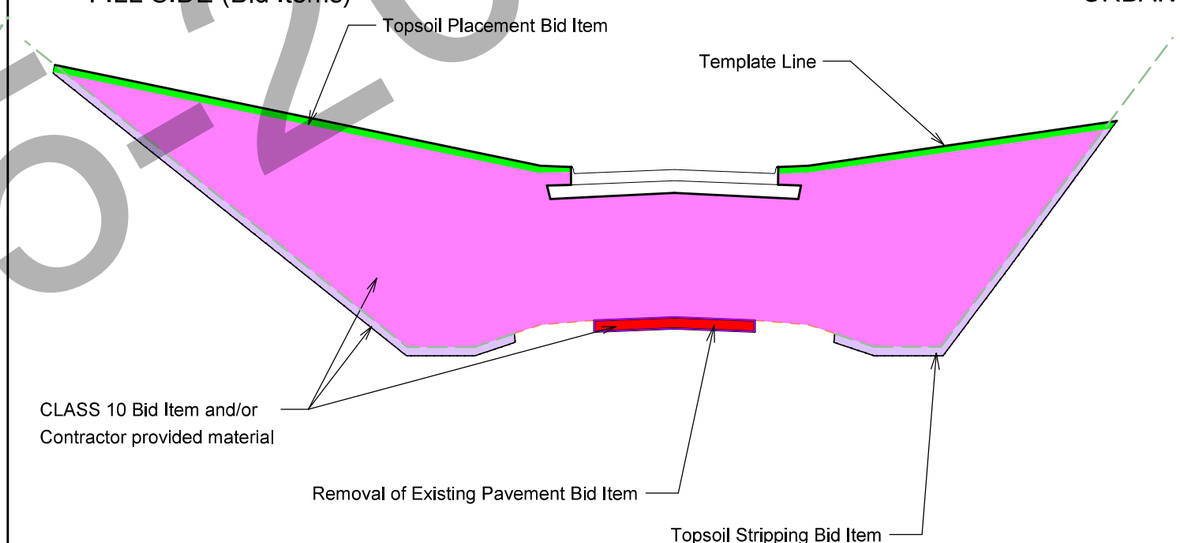
FILL SIDE (+/- Fills) — URBAN



Notes:

1. "Manually Calculated Cut Adjustments +C" columns are additional cut encountered that is not Typical, Topsoil, or Subgrade Treatment Based. (Entrance, Dike, Etc.)
2. "-C" columns are either soil types or Class 10, 12, or 13 designated material that is encountered in the cut station range that is paid for by other bid items.
3. The "(SoilType) Cut" columns are soil types encountered in the cut that are paid by either Class 10, 12 or 13.
4. The "Adjusted Clas (10,12 or 13)" columns are the sum of all various soil types encountered in that station range, that are paid by Class 10, 12, or 13 bid items.

FILL SIDE (Bid Items) — URBAN



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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 1A																						
1AS14																						
3059+00.00	296	90	206	0	90	2,400	206		2,606	3,388	-3,298	0	0	206	96	134	72					
3059+25.00	276	70	206	0	70	2,493	206		2,699	3,509	-3,439	0	0	206	96	134	72					
3059+50.00	260	53	207	0	53	2,586	207		2,793	3,631	-3,578	0	0	207	96	134	73					
3059+75.00	252	44	208	0	44	2,656	208		2,864	3,723	-3,679	0	0	208	97	136	72					
3060+00.00	250	41	209	0	41	2,704	209		2,913	3,787	-3,746	0	0	209	98	137	72					
3060+25.00	263	50	213	0	50	2,758	213		2,971	3,862	-3,812	0	0	213	100	140	73					
3060+50.00	279	62	217	0	62	2,825	217		3,042	3,955	-3,893	0	0	217	103	144	73					
3060+75.00	277	58	219	0	58	2,928	219		3,147	4,091	-4,033	0	0	219	104	146	73					
3061+00.00	259	40	219	0	40	3,125	219		3,344	4,347	-4,307	0	0	219	104	146	73					
3061+25.00	243	23	220	0	23	3,343	220		3,563	4,632	-4,609	0	0	220	103	144	76					
3061+50.00	238	15	223	0	15	3,519	223		3,742	4,865	-4,850	0	0	223	103	144	79					
3061+75.00	237	8	229	0	8	3,813	229		4,042	5,255	-5,247	0	0	229	106	148	81					
3062+00.00	234	1	233	0	1	4,005	233		4,238	5,509	-5,508	0	0	233	108	151	82					
3062+25.00	227	1	226	0	1	3,907	226		4,133	5,373	-5,372	0	0	226	104	146	80					
3062+50.00	214	1	213	0	1	3,673	213		3,886	5,052	-5,051	0	0	213	96	134	79					
3062+75.00	195	1	194	0	1	3,125	194		3,319	4,315	-4,314	0	0	194	94	132	62					
3063+00.00	169	1	168	0	1	2,227	168		2,395	3,114	-3,113	0	0	168	100	140	28					
3063+25.00	136	1	135	0	1	1,349	135		1,484	1,929	-1,928	0	0	135	90	126	9					
3063+50.00	92	1	91	0	1	622	91		713	927	-926	0	0	91	61	85	6					
3063+75.00	148	19	129	0	19	405	129		534	694	-675	0	0	129	86	120	9					
3064+50.00	45	7	38	0	7	16	38		54	70	-63	0	0	38	26	36	2					
3064+75.00	69	3	66	0	3	47	66		113	147	-144	0	0	66	44	62	4					
3065+00.00	93	6	87	0	6	107	87		194	252	-246	0	0	87	58	81	6					
3065+25.00	134	19	115	0	19	480	115		595	774	-755	0	0	115	77	108	7					
3065+50.00	179	30	149	0	30	1,182	149		1,331	1,730	-1,700	0	0	149	99	139	10					
3065+75.00	211	27	184	0	27	1,940	184		2,124	2,761	-2,734	0	0	184	111	155	29					
3066+00.00	236	25	211	0	25	2,568	211		2,779	3,613	-3,588	0	0	211	108	151	60					
3066+25.00	252	25	227	0	25	2,825	227		3,052	3,968	-3,943	0	0	227	108	151	76					
3066+50.00	260	26	234	0	26	2,670	234		2,904	3,775	-3,749	0	0	234	110	154	80					
3066+75.00	245	27	218	0	27	2,360	218		2,578	3,351	-3,324	0	0	218	99	139	79					
3067+00.00	228	28	200	0	28	2,160	200		2,360	3,068	-3,040	0	0	200	87	122	78					
3067+25.00	225	28	197	0	28	2,061	197		2,258	2,935	-2,907	0	0	197	86	120	77					
3067+50.00	224	29	195	0	29	1,988	195		2,183	2,838	-2,809	0	0	195	84	118	77					
3067+75.00	221	29	192	0	29	1,926	192		2,118	2,753	-2,724	0	0	192	83	116	76					
3068+00.00	217	28	189	0	28	1,850	189		2,039	2,651	-2,623	0	0	189	81	113	76					
3068+25.00	211	27	184	0	27	1,762	184		1,946	2,530	-2,503	0	0	184	80	112	72					
3068+50.00	206	26	180	0	26	1,684	180		1,864	2,423	-2,397	0	0	180	78	109	71					
3068+75.00																						
1AS14 Totals:	7,801	970	6,831	0	970	82,089	6,831	0	88,920	115,596	-114,626	0	0	6,831	3,364	4,710	2,121					

Preliminary 10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
1AUS30																						
2061+35.00	49	19	30	0	19	5	30		35	46	-27	0	0	30	20	28	2					
2061+50.00	55	25	30	0	25	3	30		33	43	-18	0	0	30	20	28	2					
2061+75.00	52	24	28	0	24	3	28		31	40	-16	0	0	28	19	27	1					
2062+00.00	49	22	27	0	22	3	27		30	39	-17	0	0	27	18	25	2					
2062+25.00	44	18	26	0	18	3	26		29	38	-20	0	0	26	17	24	2					
2062+50.00	39	14	25	0	14	4	25		29	38	-24	0	0	25	16	22	3					
2062+75.00	34	10	24	0	10	5	24		29	38	-28	0	0	24	16	22	2					
2063+00.00	31	7	24	0	7	9	24		33	43	-36	0	0	24	16	22	2					
2063+25.00	33	4	29	0	4	15	29		44	57	-53	0	0	29	19	27	2					
2063+50.00	40	2	38	0	2	25	38		63	82	-80	0	0	38	25	35	3					
2063+75.00	59	4	55	0	4	32	55		87	113	-109	0	0	55	36	50	5					
2064+00.00	94	23	71	0	23	42	71		113	147	-124	0	0	71	47	66	5					
2064+25.00																						
1AUS30																						
Totals:	579	172	407	0	172	149	407	0	556	723	-551	0	0	407	269	377	31					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 1B																						
1BMapleBlvd																						
303+14.52																						
303+25.00	221	159	62	0	159	7	62		69	90	69	0	0	62	7	10	52					
303+50.00	359	255	104	0	255	18	104		122	159	96	0	0	104	27	38	66					
303+75.00	212	154	58	0	154	4	58		62	81	73	0	0	58	19	27	31					
304+00.00	215	158	57	0	158	4	57		61	79	79	0	0	57	20	28	29					
304+25.00	224	167	57	0	167	4	57	25	86	112	55	0	0	57	20	28	29					
304+50.00	225	169	56	0	169	4	56	25	85	111	59	0	0	56	19	27	29					
304+75.00	215	159	56	0	159	4	56	25	85	111	49	0	0	56	19	27	29					
305+00.00	194	142	52	0	142	4	52	32	88	114	28	0	0	52	19	27	25					
305+25.00	167	125	42	0	125	4	42	31	77	100	25	0	0	42	18	25	17					
305+50.00	151	118	33	0	118	4	33	25	62	81	37	0	0	33	18	25	8					
305+75.00	148	120	28	0	120	4	28	25	57	74	46	0	0	28	17	24	4					
306+00.00	152	124	28	0	124	4	28	25	57	74	50	0	0	28	17	24	4					
306+25.00	153	125	28	0	125	4	28	25	57	74	51	0	0	28	17	24	4					
306+50.00	156	123	33	0	123	4	33	25	62	81	42	0	0	33	17	24	9					
306+75.00	160	118	42	0	118	4	42	25	71	92	26	0	0	42	17	24	18					
307+00.00	158	108	50	0	108	4	50	25	79	103	5	0	0	50	18	25	25					
307+25.00	151	97	54	0	97	4	54	25	83	108	-11	0	0	54	18	25	29					
307+50.00	140	88	52	0	88	4	52	208	264	343	-255	0	0	52	17	24	28					
307+75.00	136	85	51	0	85	4	51		55	72	14	0	0	51	16	22	29					
308+00.00	136	86	50	0	86	4	50		54	70	16	0	0	50	15	21	29					
308+25.00	137	88	49	0	88	4	49		53	69	19	0	0	49	15	21	28					
308+50.00	131	81	50	0	81	4	50		54	70	11	0	0	50	15	21	29					
308+75.00	122	71	51	0	71	4	51		55	72	-1	0	0	51	16	22	29					
309+00.00	124	74	50	0	74	4	50		54	70	4	0	0	50	16	22	28					
309+25.00	122	78	44	0	78	4	44		48	62	16	0	0	44	15	21	23					
309+50.00	108	73	35	0	73	4	35	26	65	85	-12	0	0	35	15	21	14					
309+75.00	98	71	27	0	71	4	27	25	56	73	-2	0	0	27	15	21	6					
310+00.00	95	70	25	0	70	4	25	25	54	70	0	0	0	25	15	21	4					
310+25.00	93	67	26	0	67	4	26	24	54	70	-3	0	0	26	16	22	4					
310+50.00	94	67	27	0	67	4	27	24	55	72	-5	0	0	27	17	24	3					
310+71.24	79	57	22	0	57	3	22	20	45	59	-2	0	0	22	14	20	2					
1BMapleBlvd Totals:	4,876	3,477	1,399	0	3,477	140	1,399	690	2,229	2,898	579	0	0	1,399	524	734	665					

Preliminary 10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
1BMapleSt																						
4080+25.00																						
4080+50.00	258	156	102	0	156	85	102		187	243	-87	0	0	102	49	69	33					
4080+75.00	342	233	109	0	233	86	109		195	254	-21	0	0	109	54	76	33					
4081+00.00	441	320	121	0	320	83	121		204	265	55	0	0	121	62	87	34					
4081+25.00	550	419	131	0	419	83	131		214	278	141	0	0	131	69	97	34					
4081+50.00	651	510	141	0	510	89	141		230	299	211	0	0	141	76	106	35					
4081+75.00	752	600	152	0	600	104	152		256	333	267	0	0	152	83	116	36					
4082+00.00	1,018	836	182	0	836	123	182		305	397	440	0	0	182	103	144	38					
4082+25.00	1,431	1,223	208	0	1,223	150	208		358	465	758	0	0	208	121	169	39					
4082+50.00	1,647	1,404	243	0	1,404	196	243		439	571	833	0	0	243	142	199	44					
4082+75.00	1,017	739	278	0	739	348	278		626	814	-75	0	0	278	153	214	64					
4083+00.00	324	46	278	0	46	1,039	278		1,317	1,712	-1,666	0	0	278	80	112	166					
4083+25.00	278	0	278	0	0	1,594	278		1,872	2,434	-2,434	0	0	278	8	11	267					
4083+50.00	278	0	278	0	0	1,568	278		1,846	2,400	-2,400	0	0	278	55	77	201					
4083+75.00	236	1	235	0	1	1,057	235		1,292	1,680	-1,679	0	0	235	106	148	87					
4084+00.00	464	280	184	0	280	411	184		595	774	-494	0	0	184	101	141	43					
4084+25.00	667	490	177	0	490	236	177		413	537	-47	0	0	177	100	140	37					
4084+50.00	529	369	160	0	369	189	160		349	454	-85	0	0	160	89	125	35					
4084+75.00	447	309	138	0	309	145	138		283	368	-59	0	0	138	74	104	34					
4085+00.00	421	290	131	0	290	92	131		223	290	0	0	0	131	70	98	33					
4085+25.00	406	282	124	0	282	44	124		168	218	64	0	0	124	65	91	33					
4085+50.00	255	169	86	0	169	16	86		102	133	36	0	0	86	40	56	30					
4085+75.00	147	89	58	0	89	6	58		64	83	6	0	0	58	18	25	33					
4086+00.00	421	305	116	0	305	17	116		133	173	132	0	0	116	47	66	50					
4086+25.00	700	530	170	0	530	15	170		185	241	290	0	0	170	43	60	110					
4086+50.00	713	543	170	0	543	10	170		180	234	309	0	0	170	35	49	121					
4086+75.00	437	325	112	0	325	11	112		123	160	165	0	0	112	38	53	59					
4087+00.00	181	116	65	0	116	4	65		69	90	26	0	0	65	22	31	34					
1BMapleSt																						
Totals:	15,011	10,584	4,427	0	10,584	7,801	4,427	0	12,228	15,897	-5,313	0	0	4,427	1,903	2,665	1,763					

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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
1BS14																						
3049+00.00																						
3049+25.00	179	84	95	0	84	40	95		135	176	-92	0	0	95	24	34	61					
3049+50.00	182	87	95	0	87	80	95		175	228	-141	0	0	95	23	32	63					
3049+75.00	208	108	100	0	108	122	100		222	289	-181	0	0	100	25	35	65					
3050+00.00	232	125	107	0	125	163	107		270	351	-226	0	0	107	30	42	65					
3050+25.00	240	128	112	0	128	205	112		317	412	-284	0	0	112	33	46	66					
3050+50.00	243	128	115	0	128	248	115		363	472	-344	0	0	115	35	49	66					
3050+75.00	253	135	118	0	135	289	118		407	529	-394	0	0	118	37	52	66					
3051+00.00	269	148	121	0	148	323	121		444	577	-429	0	0	121	39	55	66					
3051+25.00	288	164	124	0	164	344	124		468	608	-444	0	0	124	42	59	65					
3051+50.00	304	177	127	0	177	353	127		480	624	-447	0	0	127	43	60	67					
3051+75.00	316	186	130	0	186	379	130		509	662	-476	0	0	130	50	70	60					
3052+00.00	507	345	162	0	345	409	162		571	742	-397	0	0	162	79	111	51					
3052+25.00	589	353	236	0	353	528	236		764	993	-640	0	0	236	119	167	69					
3052+50.00	381	103	278	0	103	853	278		1,131	1,470	-1,367	0	0	278	68	95	183					
3052+75.00	278	0	278	0	0	1,036	278		1,314	1,708	-1,708	0	0	278	49	69	209					
3053+00.00	451	173	278	0	173	855	278		1,133	1,473	-1,300	0	0	278	121	169	109					
3053+25.00	1,020	742	278	0	742	635	278		913	1,187	-445	0	0	278	153	214	64					
3053+50.00	1,483	1,205	278	0	1,205	531	278		809	1,052	153	0	0	278	153	214	64					
3053+75.00	1,359	1,101	258	0	1,101	515	258		773	1,005	96	0	0	258	131	183	75					
3054+00.00	1,152	918	234	0	918	543	234		777	1,010	-92	0	0	234	114	160	74					
3054+25.00	1,130	903	227	0	903	563	227		790	1,027	-124	0	0	227	110	154	73					
3054+50.00	1,111	886	225	0	886	580	225		805	1,047	-161	0	0	225	108	151	74					
3054+75.00	1,057	835	222	0	835	609	222		831	1,080	-245	0	0	222	106	148	74					
3055+00.00	975	756	219	0	756	662	219		881	1,145	-389	0	0	219	104	146	73					
3055+25.00	890	675	215	0	675	730	215		945	1,229	-554	0	0	215	101	141	74					
3055+50.00	796	587	209	0	587	816	209		1,025	1,333	-746	0	0	209	98	137	72					
3055+75.00	702	499	203	0	499	927	203		1,130	1,469	-970	0	0	203	94	132	71					
3056+00.00	636	438	198	0	438	1,049	198		1,247	1,621	-1,183	0	0	198	91	127	71					
3056+25.00	612	412	200	0	412	1,177	200		1,377	1,790	-1,378	0	0	200	91	127	73					
1BS14																						
Totals:	17,843	12,401	5,442	0	12,401	15,564	5,442	0	21,006	27,308	-14,907	0	0	5,442	2,271	3,180	2,263					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 2A																						
2AS14																						
3066+75.00																						
3067+00.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3067+25.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3067+50.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3067+75.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3068+00.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3068+25.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3068+50.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3068+75.00	13	13	0	0	13	826			826	1,074	-1,061	0	0	0	39	55	-55					
3069+00.00	204	27	177	0	27	1,609	177		1,786	2,322	-2,295	0	0	177	76	106	71					
3069+25.00	202	29	173	0	29	1,524	173		1,697	2,206	-2,177	0	0	173	74	104	69					
3069+50.00	200	31	169	0	31	1,432	169		1,601	2,081	-2,050	0	0	169	71	99	70					
3069+75.00	199	34	165	0	34	1,336	165		1,501	1,951	-1,917	0	0	165	68	95	70					
3070+00.00	196	35	161	0	35	1,239	161		1,400	1,820	-1,785	0	0	161	66	92	69					
3070+25.00	195	39	156	0	39	1,137	156		1,293	1,681	-1,642	0	0	156	62	87	69					
3070+50.00	195	46	149	0	46	1,036	149		1,185	1,541	-1,495	0	0	149	58	81	68					
3070+75.00	196	53	143	0	53	939	143		1,082	1,407	-1,354	0	0	143	53	74	69					
3071+00.00	198	59	139	0	59	852	139		991	1,288	-1,229	0	0	139	51	71	68					
3071+25.00	202	65	137	0	65	769	137		906	1,178	-1,113	0	0	137	49	69	68					
3071+50.00	204	70	134	0	70	692	134		826	1,074	-1,004	0	0	134	48	67	67					
3071+75.00	208	77	131	0	77	623	131		754	980	-903	0	0	131	46	64	67					
3072+00.00	214	85	129	0	85	556	129		685	891	-806	0	0	129	44	62	67					
3072+25.00	222	95	127	0	95	491	127		618	803	-708	0	0	127	43	60	67					
3072+50.00	233	107	126	0	107	428	126		554	720	-613	0	0	126	42	59	67					
3072+75.00	248	123	125	0	123	368	125		493	641	-518	0	0	125	42	59	66					
3073+00.00	258	134	124	0	134	324	124		448	582	-448	0	0	124	41	57	67					
3073+25.00	257	136	121	0	136	294	121		415	540	-404	0	0	121	39	55	66					
3073+50.00	247	129	118	0	129	267	118		385	501	-372	0	0	118	37	52	66					
3073+75.00	237	121	116	0	121	241	116		357	464	-343	0	0	116	35	49	67					
3074+00.00	226	114	112	0	114	218	112		330	429	-315	0	0	112	33	46	66					
3074+25.00	217	108	109	0	108	193	109		302	393	-285	0	0	109	31	43	66					
3074+50.00	211	105	106	0	105	169	106		275	358	-253	0	0	106	29	41	65					
3074+75.00	216	107	109	0	107	143	109		252	328	-221	0	0	109	31	43	66					
3075+00.00	221	108	113	0	108	117	113		230	299	-191	0	0	113	33	46	67					
3075+25.00	218	107	111	0	107	97	111		208	270	-163	0	0	111	32	45	66					
3075+50.00	215	105	110	0	105	74	110		184	239	-134	0	0	110	32	45	65					
3075+75.00	224	114	110	0	114	46	110		156	203	-89	0	0	110	31	43	67					
3076+00.00	229	122	107	0	122	19	107		126	164	-42	0	0	107	30	42	65					
3076+25.00	251	146	105	0	146	4	105		109	142	4	0	0	105	28	39	66					
3076+50.00	301	193	108	0	193	0	108		108	140	53	0	0	108	30	42	66					
3076+75.00	338	227	111	0	227	0	111		111	144	83	0	0	111	30	42	69					
3077+00.00	350	237	113	0	237	0	113		113	147	90	0	0	113	30	42	71					
3077+25.00	342	228	114	0	228	0	114		114	148	80	0	0	114	29	41	73					
3077+50.00	325	211	114	0	211	0	114		114	148	63	0	0	114	29	41	73					
3077+75.00	300	186	114	0	186	0	114		114	148	38	0	0	114	28	39	75					
3078+00.00	280	166	114	0	166	0	114		114	148	18	0	0	114	28	39	75					
3078+25.00	268	154	114	0	154	0	114		114	148	6	0	0	114	27	38	76					
3078+50.00	259	145	114	0	145	0	114		114	148	-3	0	0	114	27	38	76					
3078+75.00	245	131	114	0	131	0	114		114	148	-17	0	0	114	26	36	78					
3079+00.00	233	119	114	0	119	4	114		118	153	-34	0	0	114	26	36	78					
3079+25.00	238	121	117	0	121	10	117		127	165	-44	0	0	117	26	36	81					
3079+50.00	265	145	120	0	145	7	120		127	165	-20	0	0	120	27	38	82					
3079+75.00	317	193	124	0	193	0	124		124	161	32	0	0	124	28	39	85					
3080+00.00	386	258	128	0	258	0	128		128	166	92	0	0	128	29	41	87					
3080+25.00	465	334	131	0	334	0	131		131	170	164	0	0	131	31	43	88					
3080+50.00	510	377	133	0	377	0	133		133	173	204	0	0	133	31	43	90					
3080+75.00	559	421	138	0	421	0	138		138	179	242	0	0	138	34	48	90					
3081+00.00	610	468	142	0	468	1	142		143	186	282	0	0	142	44	62	80					
3081+25.00	649	507	142	0	507	2	142		144	187	320	0	0	142	50	70	72					
3081+50.00	846	673	173	0	673	2	173		175	228	446	0	0	173	65	91	82					
3081+75.00	1,050	848	202	0	848	3	202		205	267	582	0	0	202	73	102	100					
3082+00.00	1,032	831	201	0	831	2	201		203	264	567	0	0	201	39	55	146					
3082+25.00	927	739	188	0	739	7	188		195	254	486	0	0	188	22	31	157					
3082+50.00	896	722	174	0	722	8	174		182	237	485	0	0	174	46	64	110					
3082+75.00	777	627	150	0	627	2	150		152	198	429	0	0	150	52	73	77					
3083+00.00	561	437	124	0	437	2	124		126	164	273	0	0	124	41	57	67					
Subtotals:	19,885	12,342	7,543	0	12,342	18,113	7,543		25,656	33,353	-21,011	0	0	7,543	2,342	3,279	4,264					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
3083+00.00																						
3083+25.00	423	304	119	0	304	-1	119		128	167	138	0	0	119	41	58	62					
2AS14																						
Totals:	20,308	12,646	7,662	0	12,646	18,122	7,662	0	25,784	33,520	-20,873	0	0	7,662	2,383	3,337	4,326					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
2ASRConnector																						
13088+00.00																						
13088+25.00	736	604	132	0	604	4	132		136	177	427	0	0	132	57	80	52					
13088+50.00	1,085	898	187	0	898	4	187		191	248	650	0	0	187	85	119	68					
13088+75.00	1,258	1,003	255	0	1,003	6	255		261	339	664	0	0	255	112	157	98					
13088+99.02	1,028	761	267	0	761	27	267		294	382	379	0	0	267	70	98	169					
2ASRConnector																						
Totals:	4,107	3,266	841	0	3,266	41	841	0	882	1,147	2,120	0	0	841	324	454	388					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 2B																						
2BS14																						
3056+25.00																						
3056+50.00	600	404	196	0	404	1,299	196		1,495	1,944	-1,540	0	0	196	92	129	67					
3056+75.00	552	384	168	0	384	1,395	168	49	1,612	2,096	-1,712	0	0	168	92	129	39					
3057+00.00	477	338	139	0	338	1,483	139	65	1,687	2,193	-1,855	0	0	139	91	127	12					
3057+25.00	388	258	130	0	258	1,575	130	65	1,770	2,301	-2,043	0	0	130	88	123	7					
3057+50.00	299	173	126	0	173	1,695	126	68	1,889	2,456	-2,283	0	0	126	88	123	3					
3057+75.00	268	128	140	0	128	1,823	140	55	2,018	2,623	-2,495	0	0	140	89	125	15					
3058+00.00	278	117	161	0	117	1,936	161	37	2,134	2,774	-2,657	0	0	161	90	126	35					
3058+25.00	282	116	166	0	116	2,058	166	35	2,259	2,937	-2,821	0	0	166	92	129	37					
3058+50.00	282	115	167	0	115	2,159	167	35	2,361	3,069	-2,954	0	0	167	93	130	37					
3058+75.00	288	112	176	0	112	2,239	176	35	2,450	3,185	-3,073	0	0	176	94	132	44					
3059+00.00	55	55	0	0	55	1,141			1,141	1,483	-1,428	0	0	0	47	66	-66					
3059+25.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3059+50.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3059+75.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3060+00.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3060+25.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3060+50.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3060+75.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3061+00.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3061+25.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3061+50.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3061+75.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
3062+00.00																						
2BS14 Totals:	3,769	2,200	1,569	0	2,200	18,803	1,569	444	20,816	27,061	-24,861	0	0	1,569	956	1,338	231					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 3																						
3S14																						
3083+25.00	376	256	120	0	256	41	120		161	209	47	0	0	120	45	63	57					
3083+50.00	372	260	112	0	260	64	112	26	202	263	-3	0	0	112	41	57	55					
3083+75.00	338	239	99	0	239	60	99	29	188	244	-6	0	0	99	33	46	53					
3084+00.00	295	200	95	0	200	50	95	28	173	225	-25	0	0	95	31	43	52					
3084+25.00	250	155	95	0	155	40	95	24	159	207	-52	0	0	95	28	39	56					
3084+50.00	203	114	89	0	114	33	89	23	145	189	-75	0	0	89	23	32	57					
3084+75.00	173	88	85	0	88	32	85	23	140	182	-94	0	0	85	21	29	56					
3085+00.00	181	87	94	0	87	40	94	22	156	203	-116	0	0	94	27	38	56					
3085+25.00	209	107	102	0	107	48	102	22	172	224	-117	0	0	102	32	45	57					
3085+50.00	225	125	100	0	125	49	100	22	171	222	-97	0	0	100	33	46	54					
3085+75.00	233	135	98	0	135	42	98	22	162	211	-76	0	0	98	37	52	46					
3086+00.00	224	131	93	0	131	30	93	22	145	189	-58	0	0	93	40	56	37					
3086+25.00	191	110	81	0	110	16	81	22	119	155	-45	0	0	81	36	50	31					
3086+50.00	151	90	61	0	90	7	61	22	90	117	-27	0	0	61	21	29	32					
3086+75.00																						
3S14																						
Totals:	3,421	2,097	1,324	0	2,097	552	1,324	307	2,183	2,838	-741	0	0	1,324	448	627	697					

Preliminary
10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
3SRConnector																						
13085+40.00	50	30	20	0	30	2	20	9	31	40	-10	0	0	20	5	7	13					
13085+50.00	241	166	75	0	166	17	75	23	115	150	17	0	0	75	26	36	39					
13085+75.00	356	256	100	0	256	28	100	23	151	196	60	0	0	100	41	57	43					
13086+00.00	377	273	104	0	273	37	104	23	164	213	60	0	0	104	42	59	45					
13086+25.00	434	326	108	0	326	51	108	23	182	237	89	0	0	108	44	62	46					
13086+50.00	517	401	116	0	401	63	116	24	203	264	137	0	0	116	48	67	49					
13086+75.00	575	454	121	0	454	73	121	25	219	285	169	0	0	121	52	73	48					
13087+00.00	560	439	121	0	439	90	121	26	237	308	131	0	0	121	56	78	43					
13087+25.00	593	458	135	0	458	109	135	38	282	367	91	0	0	135	54	76	59					
13087+50.00	764	610	154	0	610	79	154	42	275	358	253	0	0	154	72	101	53					
13087+75.00	778	630	148	8	630	22	148	24	194	252	378	0	0	148	85	119	29					
13088+00.00																						
3SRConnector Totals:	5,245	4,043	1,202	8	4,043	571	1,202	280	2,053	2,669	1,375	0	0	1,202	525	735	467					

Preliminary
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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 4A																						
4AS14																						
3044+00.00																						
3044+25.00	92	40	52	0	40	49	52	21	122	159	-119	0	0	52	6	8	44					
3044+50.00	90	40	50	0	40	46	50	21	117	152	-112	0	0	50	4	6	44					
3044+75.00	91	41	50	0	41	40	50	21	111	144	-103	0	0	50	5	7	43					
3045+00.00	90	41	49	0	41	32	49	21	102	133	-92	0	0	49	4	6	43					
3045+25.00	101	56	45	0	56	14	45	21	80	104	-48	0	0	45	3	4	41					
3045+50.00	111	72	39	0	72	0	39	21	60	78	-6	0	0	39	1	1	38					
3045+75.00	96	60	36	0	60	6	36	21	63	82	-22	0	0	36	0	0	36					
3046+00.00	127	73	54	0	73	14	54	21	89	116	-43	0	0	54	0	0	54					
3046+25.00	171	97	74	0	97	18	74	21	113	147	-50	0	0	74	0	0	74					
3046+50.00	134	72	62	0	72	27	62	21	110	143	-71	0	0	62	0	0	62					
3046+75.00	95	46	49	0	46	40	49	21	110	143	-97	0	0	49	1	1	48					
3047+00.00	89	41	48	0	41	54	48	21	123	160	-119	0	0	48	2	3	45					
3047+25.00	89	39	50	0	39	64	50	21	135	176	-137	0	0	50	2	3	47					
3047+50.00	90	37	53	0	37	66	53	21	140	182	-145	0	0	53	2	3	50					
3047+75.00	99	47	52	0	47	51	52	21	124	161	-114	0	0	52	1	1	51					
3048+00.00	121	68	53	0	68	40	53	21	114	148	-80	0	0	53	0	0	53					
3048+25.00	149	90	59	0	90	39	59	22	120	156	-66	0	0	59	0	0	59					
3048+50.00	196	130	66	0	130	32	66	22	120	156	-26	0	0	66	9	13	53					
3048+75.00	212	137	75	0	137	19	75	22	116	151	-14	0	0	75	20	28	47					
3049+00.00	189	102	87	0	102	16	87		103	134	-32	0	0	87	23	32	55					
4AS14 Totals:	2,432	1,329	1,103	0	1,329	667	1,103	402	2,172	2,824	-1,495	0	0	1,103	83	116	987					

Preliminary 10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Stage 4B																						
4BMapleSt																						
4074+75.00																						
4075+00.00	144	96	48	0	96	0	48		48	62	34	0	0	48	32	45	3					
4075+25.00	133	86	47	0	86	0	47		47	61	25	0	0	47	31	43	4					
4075+50.00	136	88	48	0	88	0	48		48	62	26	0	0	48	31	43	5					
4075+75.00	141	93	48	0	93	4	48		52	68	25	0	0	48	31	43	5					
4076+00.00	143	98	45	0	98	13	45		58	75	23	0	0	45	29	41	4					
4076+25.00	150	107	43	0	107	23	43		66	86	21	0	0	43	28	39	4					
4076+50.00	159	114	45	0	114	32	45		77	100	14	0	0	45	29	41	4					
4076+75.00	159	113	46	0	113	40	46		86	112	1	0	0	46	30	42	4					
4077+00.00	158	109	49	0	109	50	49		99	129	-20	0	0	49	31	43	6					
4077+25.00	157	103	54	0	103	60	54		114	148	-45	0	0	54	32	45	9					
4077+50.00	150	88	62	0	88	60	62		122	159	-71	0	0	62	33	46	16					
4077+75.00	140	68	72	0	68	55	72		127	165	-97	0	0	72	33	46	26					
4078+00.00	143	68	75	0	68	56	75		131	170	-102	0	0	75	32	45	30					
4078+25.00	163	86	77	0	86	59	77		136	177	-91	0	0	77	33	46	31					
4078+50.00	171	91	80	0	91	63	80		143	186	-95	0	0	80	35	49	31					
4078+75.00	175	94	81	0	94	70	81		151	196	-102	0	0	81	35	49	32					
4079+00.00	177	93	84	0	93	71	84		155	202	-109	0	0	84	38	53	31					
4079+25.00	247	170	77	0	170	70	77		147	191	-21	0	0	77	42	59	18					
4079+50.00	429	344	85	0	344	35	85	36	156	203	141	0	0	85	59	83	3					
4079+75.00	435	354	81	0	354	7	81	35	123	160	194	0	0	81	59	83	-2					
4080+00.00	304	238	66	0	238	55	66	33	154	200	38	0	0	66	44	62	4					
4080+25.00	248	161	87	0	161	89	87		176	229	-68	0	0	87	47	66	21					
4BMapleSt Totals:	4,262	2,862	1,400	0	2,862	912	1,400	104	2,416	3,141	-279	0	0	1,400	794	1,112	289					

Preliminary 10-25-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill						Checks (EW-102)		Topsoil								
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink					
Summary:																						
Stage 1A																						
1AS14	7,801	970	6,831	0	970	82,089	6,831	0	88,920	115,596	-114,626	0	0	6,831	3,364	4,710	2,122					
1AUS30	579	172	407	0	172	149	407	0	556	723	-551	0	0	407	269	377	31					
Stage 1A Subtotals:	8,380	1,142	7,238	0	1,142	82,238	7,238	0	89,476	116,319	-115,177	0	0	7,238	3,633	5,087	2,153					
Stage 1B																						
1BMapleBlvd	4,876	3,477	1,399	0	3,477	140	1,399	690	2,229	2,898	580	0	0	1,399	524	734	666					
1BMapleSt	15,011	10,584	4,427	0	10,584	7,801	4,427	0	12,228	15,897	-5,313	0	0	4,427	1,903	2,665	1,763					
1BS14	17,843	12,401	5,442	0	12,401	15,564	5,442	0	21,006	27,308	-14,907	0	0	5,442	2,271	3,180	2,263					
Stage 1B Subtotals:	37,730	26,462	11,268	0	26,462	23,505	11,268	690	35,463	46,103	-19,640	0	0	11,268	4,698	6,579	4,692					
Stage 2A																						
2AS14	20,308	12,646	7,662	0	12,646	18,122	7,662	0	25,784	33,520	-20,873	0	0	7,662	2,383	3,337	4,326					
2ASRConnector	4,107	3,266	841	0	3,266	41	841	0	882	1,147	2,120	0	0	841	324	454	388					
Stage 2A Subtotals:	24,415	15,912	8,503	0	15,912	18,163	8,503	0	26,666	34,667	-18,753	0	0	8,503	2,707	3,791	4,714					
Stage 2B																						
2BS14	3,769	2,200	1,569	0	2,200	18,803	1,569	444	20,816	27,061	-24,861	0	0	1,569	956	1,339	231					
Stage 2B Subtotals:	3,769	2,200	1,569	0	2,200	18,803	1,569	444	20,816	27,061	-24,861	0	0	1,569	956	1,339	231					
Stage 3																						
3S14	3,421	2,097	1,324	0	2,097	552	1,324	307	2,183	2,838	-742	0	0	1,324	448	628	697					
3SRConnector	5,245	4,043	1,202	8	4,043	571	1,202	280	2,053	2,669	1,375	0	0	1,202	525	735	467					
Stage 3 Subtotals:	8,666	6,140	2,526	8	6,140	1,123	2,526	587	4,236	5,507	633	0	0	2,526	973	1,363	1,164					
Stage 4A																						
4AS14	2,432	1,329	1,103	0	1,329	667	1,103	402	2,172	2,824	-1,495	0	0	1,103	83	117	987					
Stage 4A Subtotals:	2,432	1,329	1,103	0	1,329	667	1,103	402	2,172	2,824	-1,495	0	0	1,103	83	117	987					
Stage 4B																						
4BMapleSt	4,262	2,862	1,400	0	2,862	912	1,400	104	2,416	3,141	-279	0	0	1,400	794	1,112	289					
Stage 4B Subtotals:	4,262	2,862	1,400	0	2,862	912	1,400	104	2,416	3,141	-279	0	0	1,400	794	1,112	289					
Project Totals:	89,654	56,047	33,607	8	56,047	145,411	33,607	2,227	181,245	235,622	-179,572	0	0	33,607	13,844	19,388	14,230					

Bid Items:	Bid Qty:	
Excavation, Class 10, Roadway and Borrow	56,047	[5]
Embankment in Place, Contractor Furnished	138,132	[11]/1.3
Compaction with Moisture Control	181,245	[9]
Topsoil, Strip, Salvage and Spread	33,607	[14]

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