WOODBURY Co. PCC PAVEMENT - GRADE AND NEW
IMX-029-6(294)127--02-97

LETTING DATE 11-01-2022

INDEX OF SHEETS

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E Sheets	**IA 141 Plan and Profile Sheets**
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F Sheets	**Detour Pavement Sheets**
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	* Color Plan Sheets

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM
WOODBURY COUNTY
PCC PAVEMENT - GRADE AND NEW

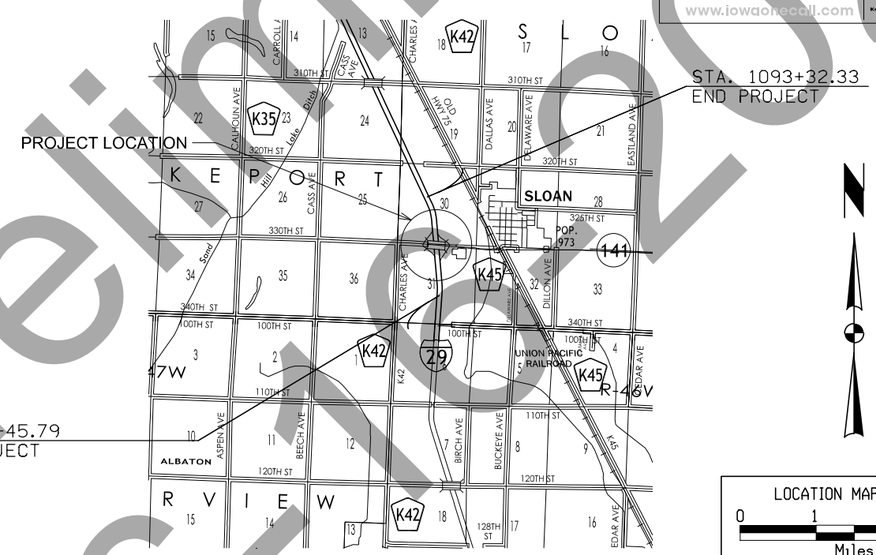
IA 141 over I-29
(Sloan Interchange)

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.



N

LOCATION MAP SCALE
0 1 2 3
Miles

IA 141 DESIGN DATA RURAL		
2023 AADT	4,100	V.P.D.
2043 AADT	4,300	V.P.D.
20-- DHV	--	V.P.H.
TRUCKS	13	%
Total Design ESALs	--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	Robert J. Miller	Primary Signature Block
X	X	X

LICENSED PROFESSIONAL ENGINEER Robert J. Miller 11334 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 Robert J. Miller Date
Printed or Typed Name

My license renewal date is December 31, 20 ____

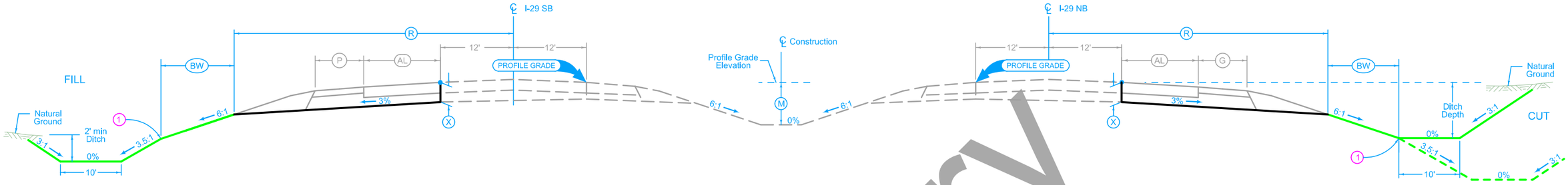
Pages or sheets covered by this seal: _____

Preliminary Plans – Date: 6/16/2022

Preliminary 06-16-2022

REVISIONS

	TOTAL
	--
PROJECT IDENTIFICATION NUMBER	
18-97-029-010	
PROJECT NUMBER	
IMX-029-6(294)127--02-97	
R.O.W. PROJECT NUMBER	
IMN-029-6(299)127--0E-97	



LOCATION			DIMENSIONS		
ROAD IDENTIFICATION	STATION TO STATION		(R) Feet	(X) Inches	(BW) Feet
I-29 SB	1090+32.33	1081+33.08	46.1	24	14
I-29 SB	1051+96.83	1048+50.32	46.1	24	14

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.

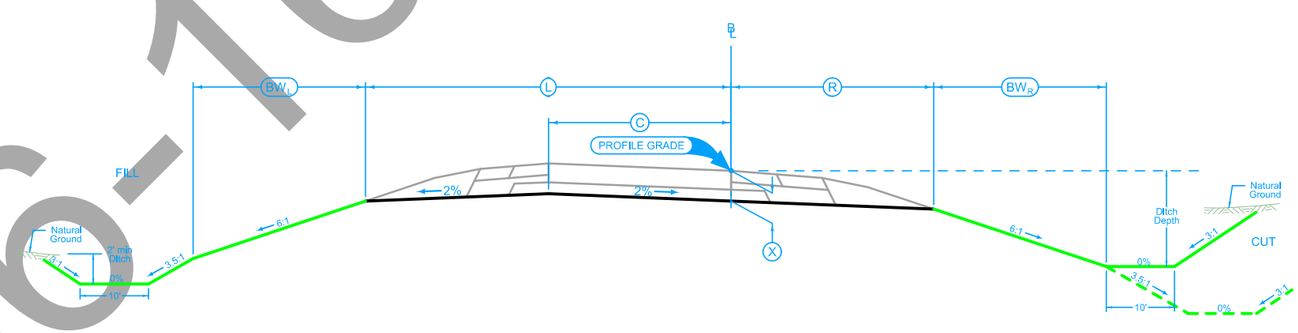
(1) Refer to project plan and cross sections for specific location of foreslope change.

LOCATION			DIMENSIONS		
ROAD IDENTIFICATION	STATION TO STATION		(R) Feet	(X) Inches	(BW) Feet
I-29 NB	1045+45.79	1051+96.83	46.1	24	14
I-29 NB	1078+37.03	1087+32.33	46.1	24	14

I-29 GRADING

LOCATION				DIMENSIONS					
INTERCHANGE	RAMP	STATION TO STATION		(L) Feet	(R) Feet	(C) Feet	(X) Inches	(BW_L) Feet	(BW_R) Feet
I-29 & Iowa 141	A	111+44.73	100+93.89	33.8	19.5	16	22	16.9	16.7
I-29 & Iowa 141	B	213+76.00	203+08.92	33.8	19.5	16	22	16.9	16.7
I-29 & Iowa 141	C	300+00.00	309+98.91	33.8	19.5	16	22	16.9	16.7
I-29 & Iowa 141	D	401+29.30	411+24.48	33.8	19.5	16	22	16.9	16.7

G_1R_Grade
04-15-14



Section view is in direction of traffic.

Normal sections shown may be appropriately modified for areas specifically designated by the Engineer such as intersections or superelevated curves.

RAMP GRADING

RAMP GRADING

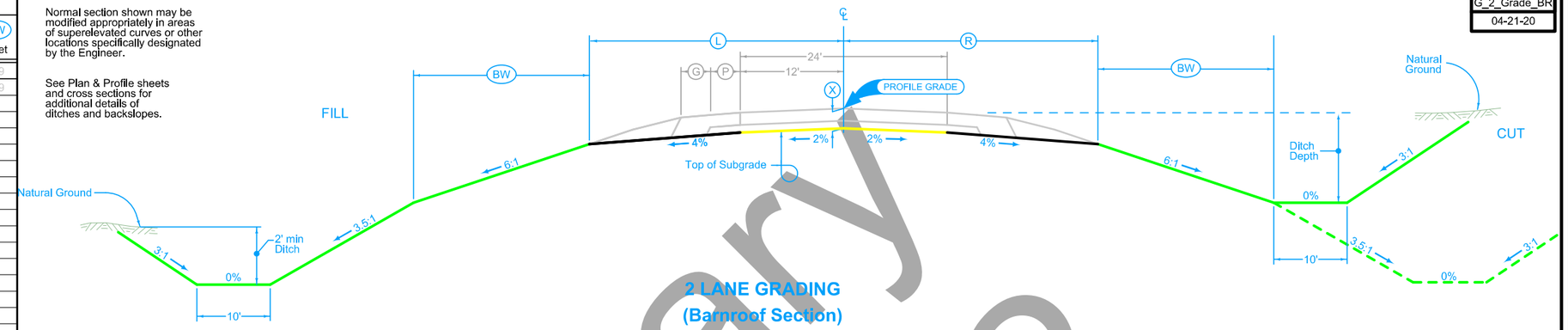
Preliminary
06-16-2022

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet
Iowa 141	11054+00.00	11063+75.40	29.8	29.8	16	19.9
Iowa 141	11066+40.45	11083+60.86	29.8	29.8	16	19.9

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



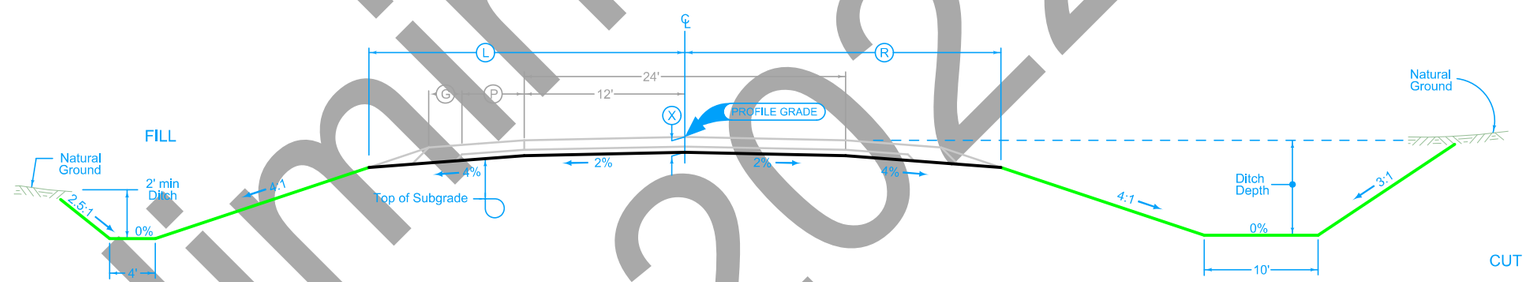
2 LANE GRADING
(Barnroof Section)

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	FS
Iowa 141/K 42	11046+65.72	11051+20.00	25.1	25.1	16	

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
Modified



2 LANE GRADING

Typical section transitions between G_2_Grade and G_2_Grade_BR.

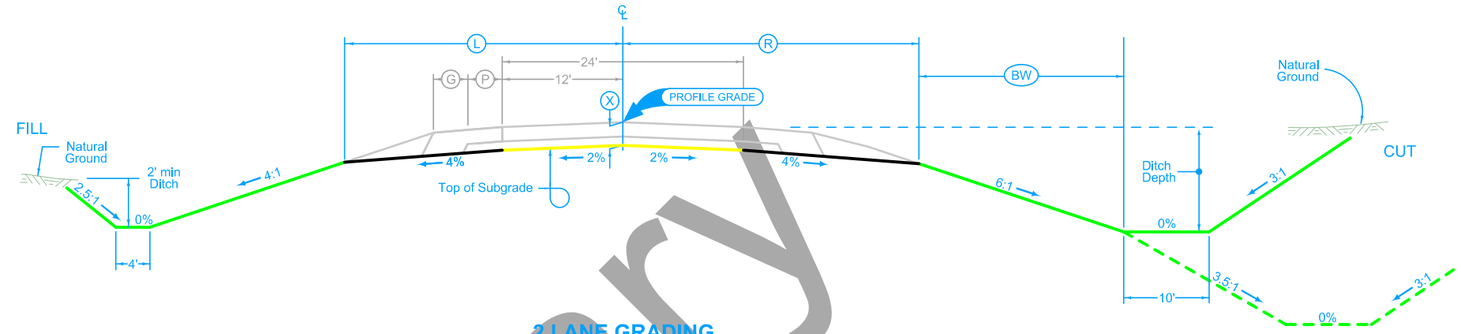
Preliminary
06-16-2022

G_2_Grade_BR
Modified

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet
Iowa 141/K 42	11051+20.00	11052+84.00	25.1	29.8	16	19.9

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.



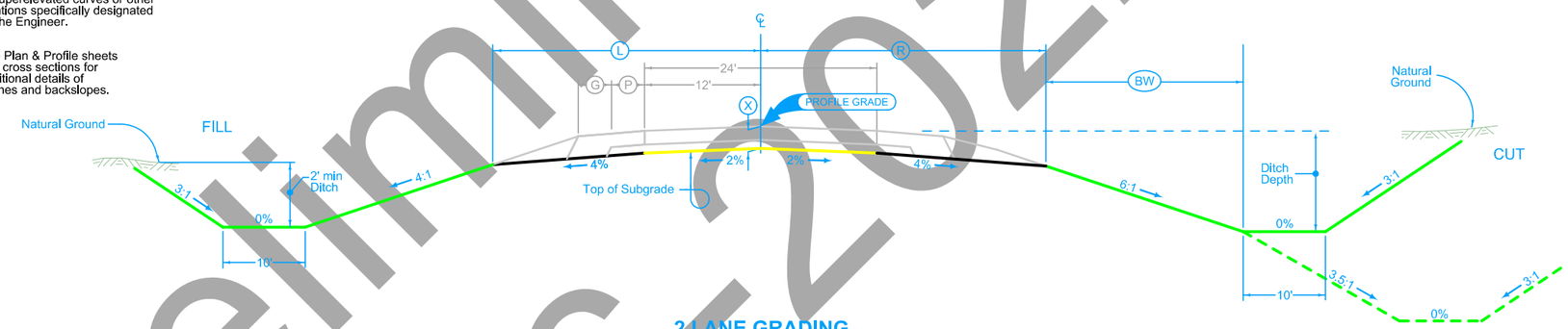
2 LANE GRADING
(Partial Barnroof Section)

G_2_Grade_BR
04-21-20

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet
Iowa 141/K 42	11052+84.00	11054+00.00	29.8	29.8	16	19.9

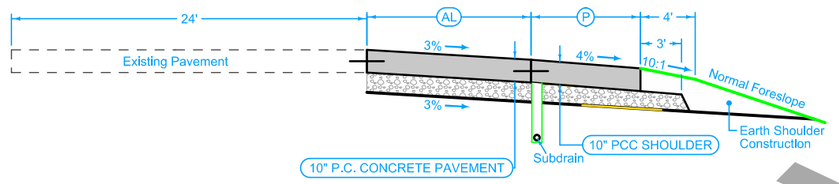
Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

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



2 LANE GRADING
(Partial Barnroof Section)

Preliminary
06-16-2022



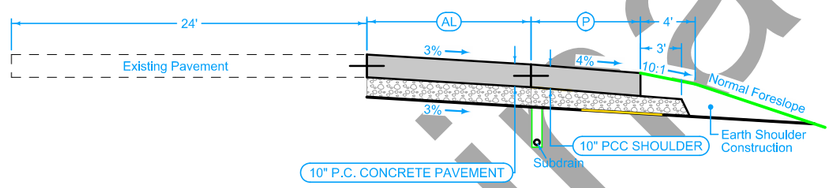
AUXILLIARY LANE WITH FULL DEPTH SHOULDER

Auxilliary Lane Jointing:
Longitudinal joint: L or KT
Transverse joint: Match Mainline
jointing.

Shoulder Jointing:
Longitudinal joint: L-2 or KT-2
Transverse joints: C at 17' spacing

Direction of Travel	BEGIN STATION	END STATION	AL Feet	P Feet
SB	1094+52.96	1090+82.33	0-12	6-10
SB	1091+52.63	1081+33.08	12	6
SB	1081+33.08	1077+14.04	12-16	6
SB	1055+04.51	1051+96.83	12-16	6
SB	1051+96.83	1041+96.83	12	6
SB	1041+96.83	1035+92.10	0-12	10

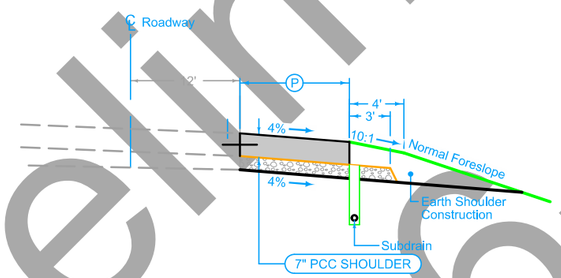
I-29 SB



AUXILLIARY LANE WITH FULL DEPTH SHOULDER

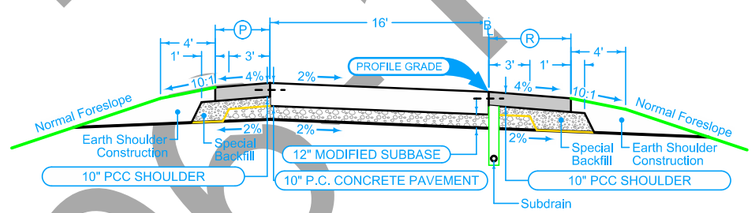
Direction of Travel	BEGIN STATION	END STATION	AL Feet	P Feet
NB	1037+37.33	1040+37.33	0-12	6-10
NB	1040+37.33	1050+36.21	12	6
NB	1050+36.21	1054+56.21	16	6
NB	1075+52.10	1078+59.81	12-16	6
NB	1078+59.81	1088+46.13	12	6
NB	1088+46.13	1094+46.13	0-12	6-10

I-29 NB



TYPICAL SECTION PCC PAVED SHOULDER

LOCATION		
ROAD IDENTIFICATION	STATION TO STATION	
I-29 NB	1054+56.20	1055+54.71
I-29 NB	1064+71.92	1066+22.06
I-29 NB	1072+90.70	1075+46.88
I-29 SB	1077+12.97	1073+33.83
I-29 SB	1066+46.39	1064+96.26
I-29 SB	1057+37.44	1055+06.98



PCC RAMP PAVING

LOCATION			DIMENSIONS	
RAMP	BEGIN STATION	END STATION	P Feet	R Feet
A	111+44.73	100+12.42	4	6
B	214+91.73	203+08.92	4	6
C	300+00.00	311+79.38	4	6
D	400+13.86	411+24.48	4	6

Section shown in the direction of traffic.

Ramp Jointing:
Transverse joints: CD at 20' spacing.

Shoulder Jointing:
Longitudinal joint: L-2 at centerline
Transverse joints: C, match ramp pavement spacing.

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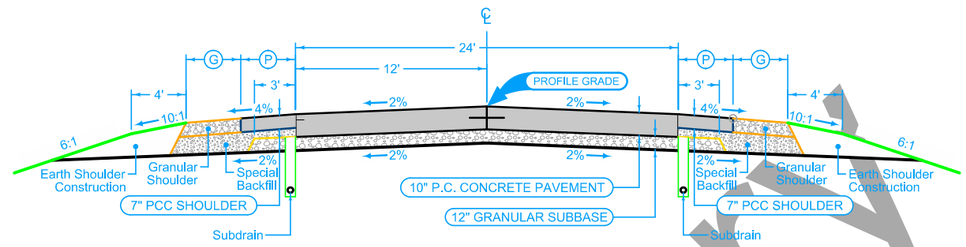
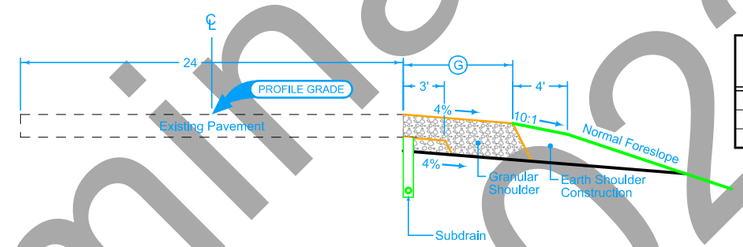


Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

Shoulder Jointing:
Longitudinal joint: B

STATION TO STATION		P Feet	G Feet
11046+65.72	11063+25.40	6	2
11066+90.45	11083+60.86	6	2



STATION TO STATION		G Feet
11042+28.56	11063+25.40	8
11066+90.45	11083+60.86	12

Granular Shoulder

Preliminary
06-16-2022

See Tab 100-24 or 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

IA 141

LOCATION			DIMENSIONS						6" Special Backfill	Earth Shoulder Construction
ROAD IDENTIFICATION	STATION TO STATION		HMA			PCC				
			(PW) Feet	(T) Inches	(SGW) Feet	(PW) Feet	(T) Inches	(SGW) Feet	Tons/Station	Station
Detour 1	11042+30.89	11045+05.96	15.6	10	20					
Detour 1	11045+05.96	11051+65.21	28	10	37					
Detour 1	11051+65.21	11055+05.03	14	10	20					
Detour 2	11073+97.79	11076+69.36	15.5	10	20					
Detour 2	11076+69.36	11085+03.52	28	10	37					
Detour 2	11085+03.52	11087+84.38	15.5	10	20					

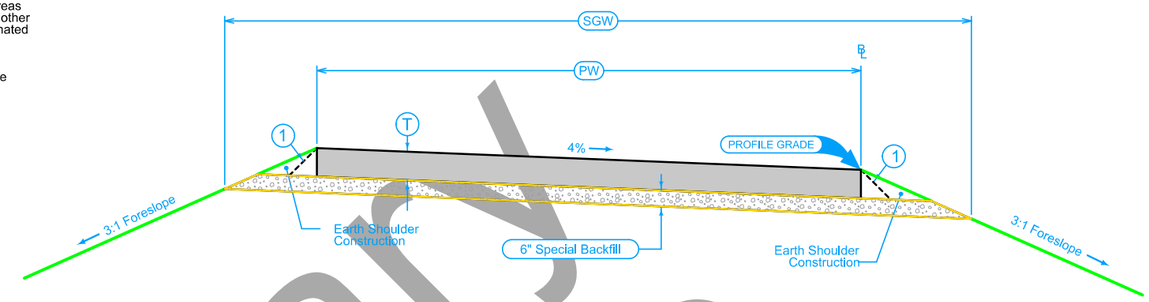
Quantity calculations based on vertical pavement edges.

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

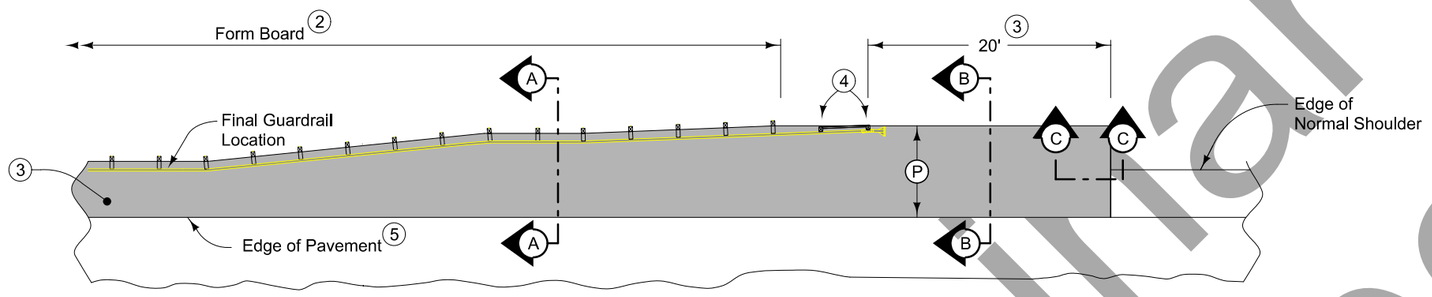
D_Detour
10-21-14

DESIGNER INFO

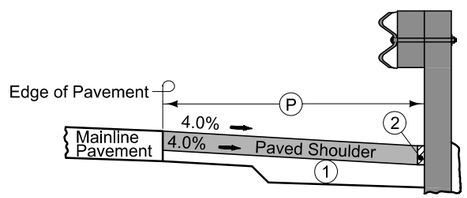


DETOUR PAVING

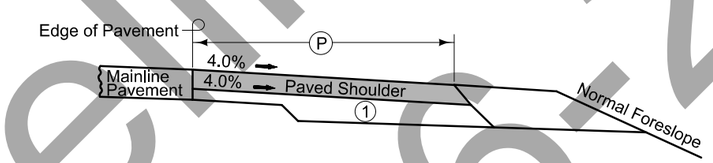
Preliminary 06-16-2022



PLAN VIEW

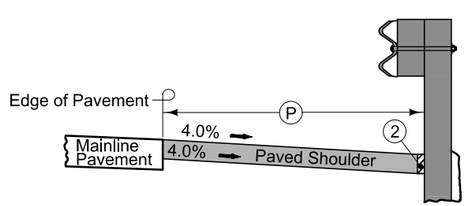


Section A-A

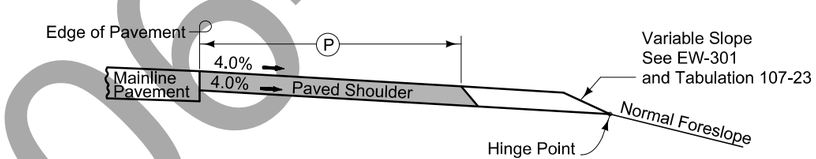


Section B-B

NEW CONSTRUCTION



Section A-A



Section B-B

EXISTING SHOULDER

DESIGNER INFO | 7156 | 04-18-17

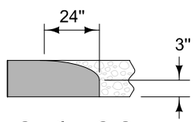
9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

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 06-16-2022

SURVEY SYMBOLS

- D Centerline Draw or Stream (Down)
- LUM Luminaire
- RIP Rip-Rap
- OUT Tile Outlet
- GDL Guard Rail Steel
- SIGN SL Speed Limit Sign
- MH Utility Access (Manhole)
- IN Storm Sewer Intake
- TDC Tree Deciduous
- TEV Evergeen Tree
- FCL Chain Link and Security Fence
- CEL Cell Phone Tower
- UB Utility Box
- TP TPD Telephone Pedestal
- PR Electic Riser Pole
- HDG Hedge Row
- TFR Tree Fruit
- TLNL Tree Line Left
- TLNR Tree Line Right
- SIGN SI Sign
- FW Wire Fence
- MM MM Mile Marker Post
- WH WHD Water Hydrant
- EB EB Electrical Box
- BB BB Billboard
- FHD Fire Hydrants
- MIS Miscellaneous
- ST SEP Septic Tank
- GPR Guard Post (4 or More Posts)
- GV GV Gas Valve

UTILITY LEGEND

MIDAMERICAN ENERGY ELECTRIC
Contact Name: Gerald Messersmith
Contact Phone: (712)233-4833
Contact Email: gsmessersmith@midamerican.com

— E1 — MIDAMERICAN ENERGY ELECTRIC
Contact Name: Gerald Messersmith
Contact Phone: (712)233-4833
Contact Email: gsmessersmith@midamerican.com

— G — MIDAMERICAN ENERGY GAS
Contact Name: Jan Countryman
Contact Phone: (712)454-4524
Contact Email: JSCountryman@midamerican.com

— G2 — MEGELLAN PIPELINE
Contact Name: Dyan Gillean
Contact Phone: (918)574-7098
Contact Email: wilcall2@magellanlp.com

— E2 — IOWA DOT
Contact Name: Ron Gliser
Contact Phone: (712)4283300
Contact Email: ron.gliser@dot.iowa.gov

— FO — LONG LINES
Contact Name: Miles Patton
Contact Phone: (712)271-5550
Contact Email: mpatton@longlines.biz

— W — CITY OF SLOAN WATER
Contact Name: Anthony Bride
Contact Phone: (712)4283754
Contact Email: jonescityofsloan@longlines.com

— SAN. — CITY OF SLOAN SEWER
Contact Name: Anthony Bride
Contact Phone: (712)4283754
Contact Email: jonescityofsloan@longlines.com

— FO2 — SOUTH DAKOTA NETWORK LLC
Contact Name: Nicholas Rasmussen
Contact Phone: (605)9781077
Contact Email:
nicholas.rasmussen@sdncommunications.com

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
Station
Survey Line
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

Preliminary
06-16-2022

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

Curve Data
Δ = 8° 47′ 45.00″ (LT)
T = 440.87
L = 880.01
R = 5,732.34
E = 16.93

U.A.C.
Sta. 1039+00.62, 11.93 Lt.
24″x 67.3 RCP
D.A.=Median Only A-F

18″ x 31.7
Conc. Pipe

1/4 SECTION LINE

PT Sta 1041+44.61

PI Sta 1037+05.47

Sta. 1042+45.79
Begin Construction

NORMAN STEVENSON TRUST

SLOAN TWP.
T-86N R-46W
SEC. 31

1/16TH SEC. LINE

EXTEND
Sta. 1047+00.08
30″x 162.8 RCP
D.A.=12 A-F
Install 12.0′ - 30″ RCP plus Apron
F.L. = Lt. 1066.74
Ot. 1066.71
Install 16.0′ - 30″ RCP plus Apron
F.L. = Ot. 1066.48
Rt. 1066.45

Remove and Replace Shoulder

Remove and Replace Shoulder

EXTEND
Sta. 1064+29.25
Skew 10°13′
30″x 144.4 RCP
D.A.=140 A-F
Install 18.0′ - 30″ RCP plus Apron
F.L. = Ot. 1068.95
Rt. 1068.87

INTERSTATE 29

Sta. 1063+28.69, Rt.
250′ High Tension Cable Guardrail

EXTEND
Sta. 1064+34.94
Skew 10°13′
30″x 143.8 RCP
D.A.=140 A-F
Install 18.0′ - 30″ RCP plus Apron
F.L. = Ot. 1069.02
Rt. 1068.95

EXTEND
Sta. 1057+00.09, 12.37 Rt.
24″x 61.9 RCP
D.A.=Median Only A-F
Install 76.0′ - 24″ RCP plus Apron
F.L. = Ot. 1069.20
Rt. 1067.50

REMOVE
Sta. 1064+97.5 Rt.
239′ High Tension Cable Guardrail

0 100
FEET

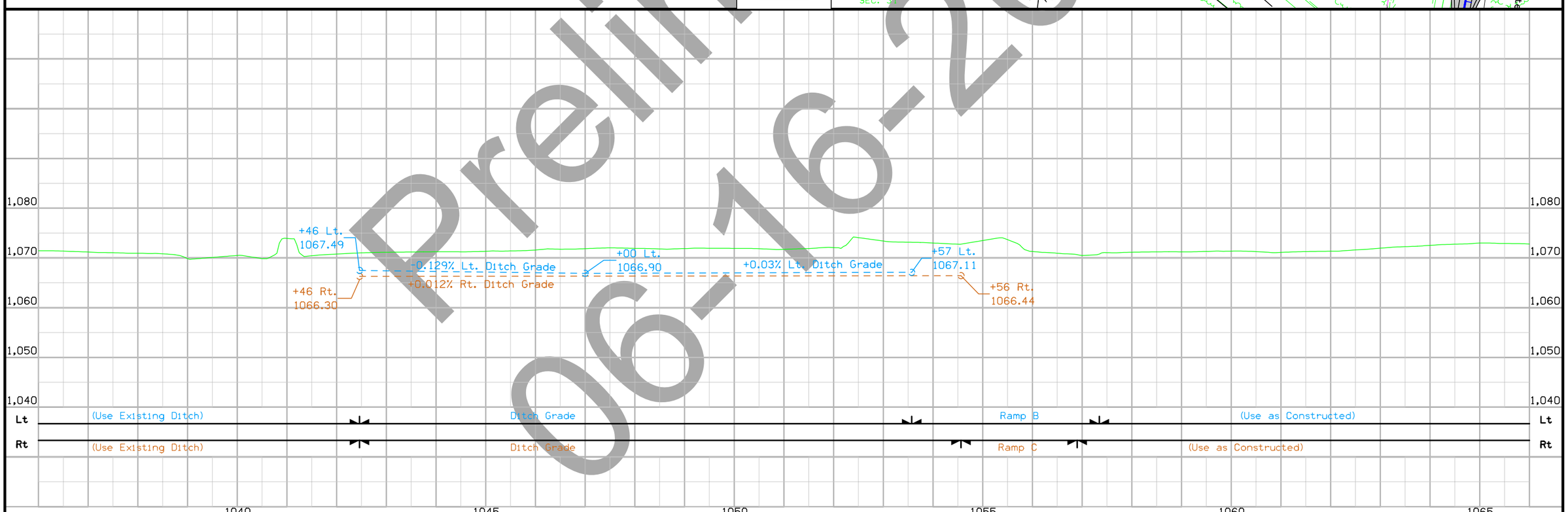
SLOAN TWP.
T-86N R-46W
SEC. 31

MICHAEL PATTERSON

Interstate 29

141

1040 1045 1050 1055 1060 1065 200 205 210 300 305 310 400



Preliminary
06-16-2022

FILE NO. 31724	ENGLISH	DESIGN TEAM IOWA DOT \ TranSystems	WOODBURY COUNTY	PROJECT NUMBER IMX-029-6(294)127--02-97	SHEET NUMBER D.2

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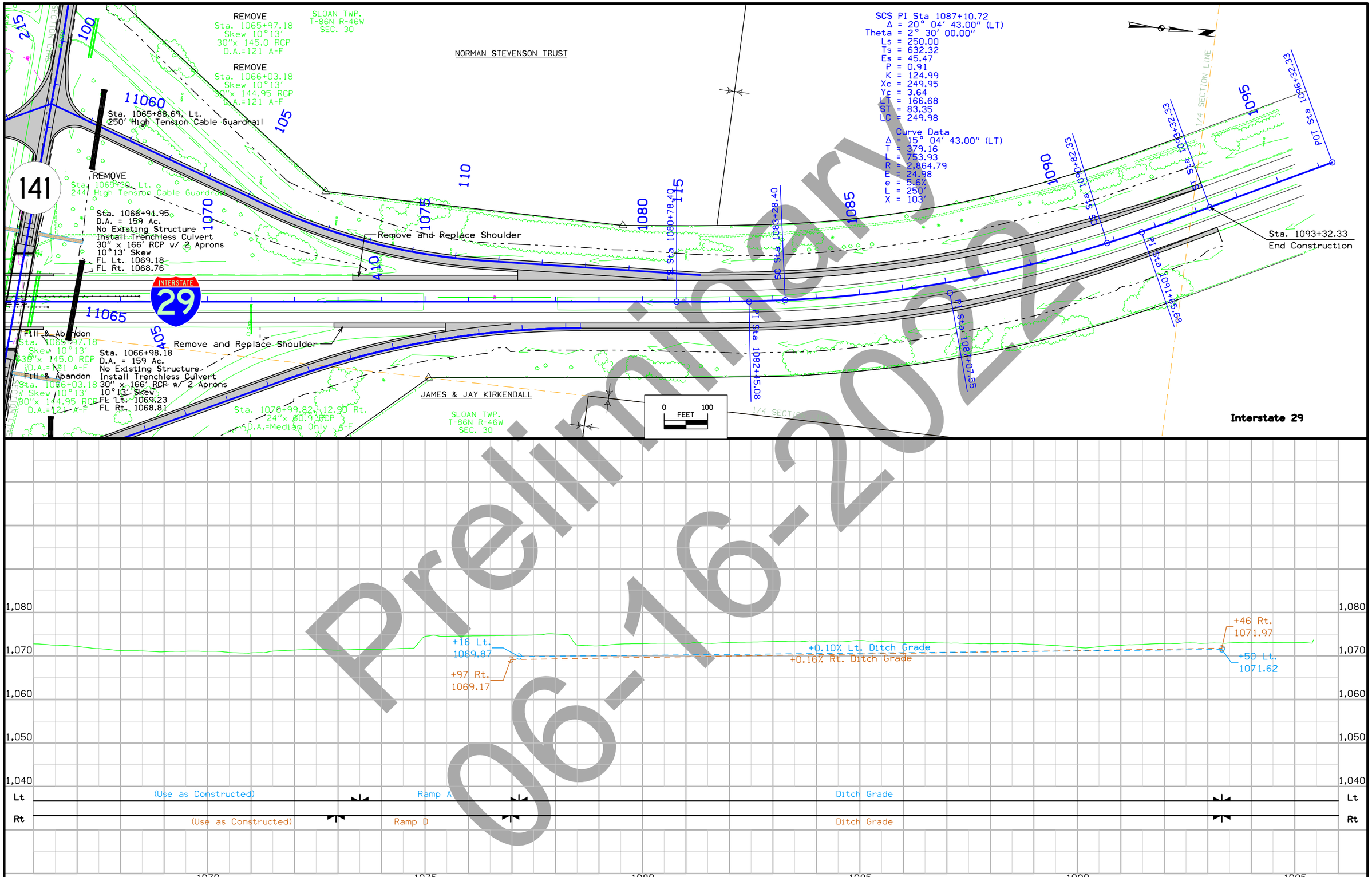

Preliminary
06-16-2022

FILE NO. 31724	ENGLISH	DESIGN TEAM IOWA DOT \ TranSystems	WOODBURY COUNTY	PROJECT NUMBER IMX-029-6(294)127--02-97	SHEET NUMBER D.3

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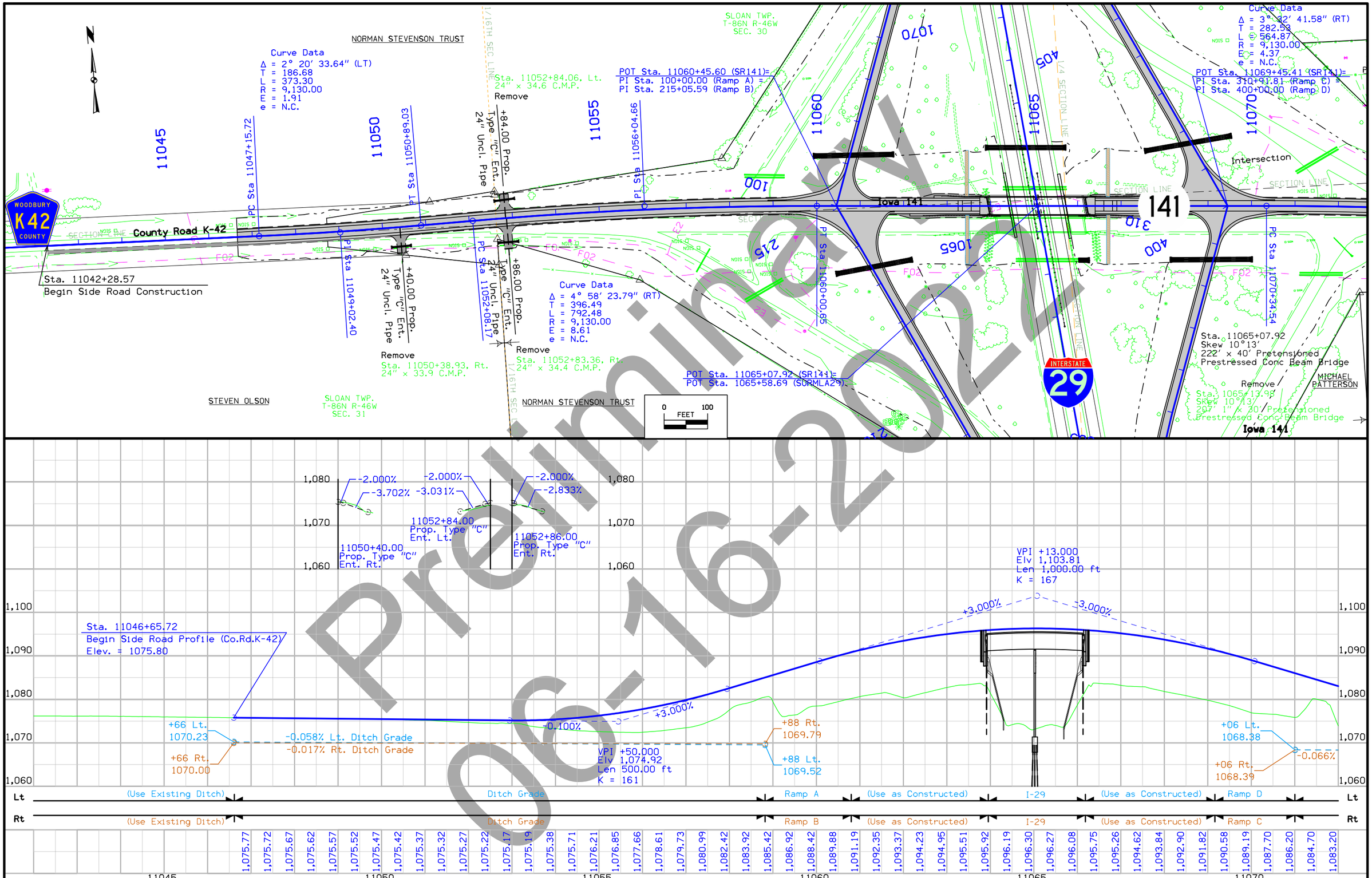

Preliminary
06-16-2022

FILE NO. 31724	ENGLISH	DESIGN TEAM IOWA DOT \ TranSystems	WOODBURY COUNTY	PROJECT NUMBER IMX-029-6(294)127--02-97	SHEET NUMBER E.1

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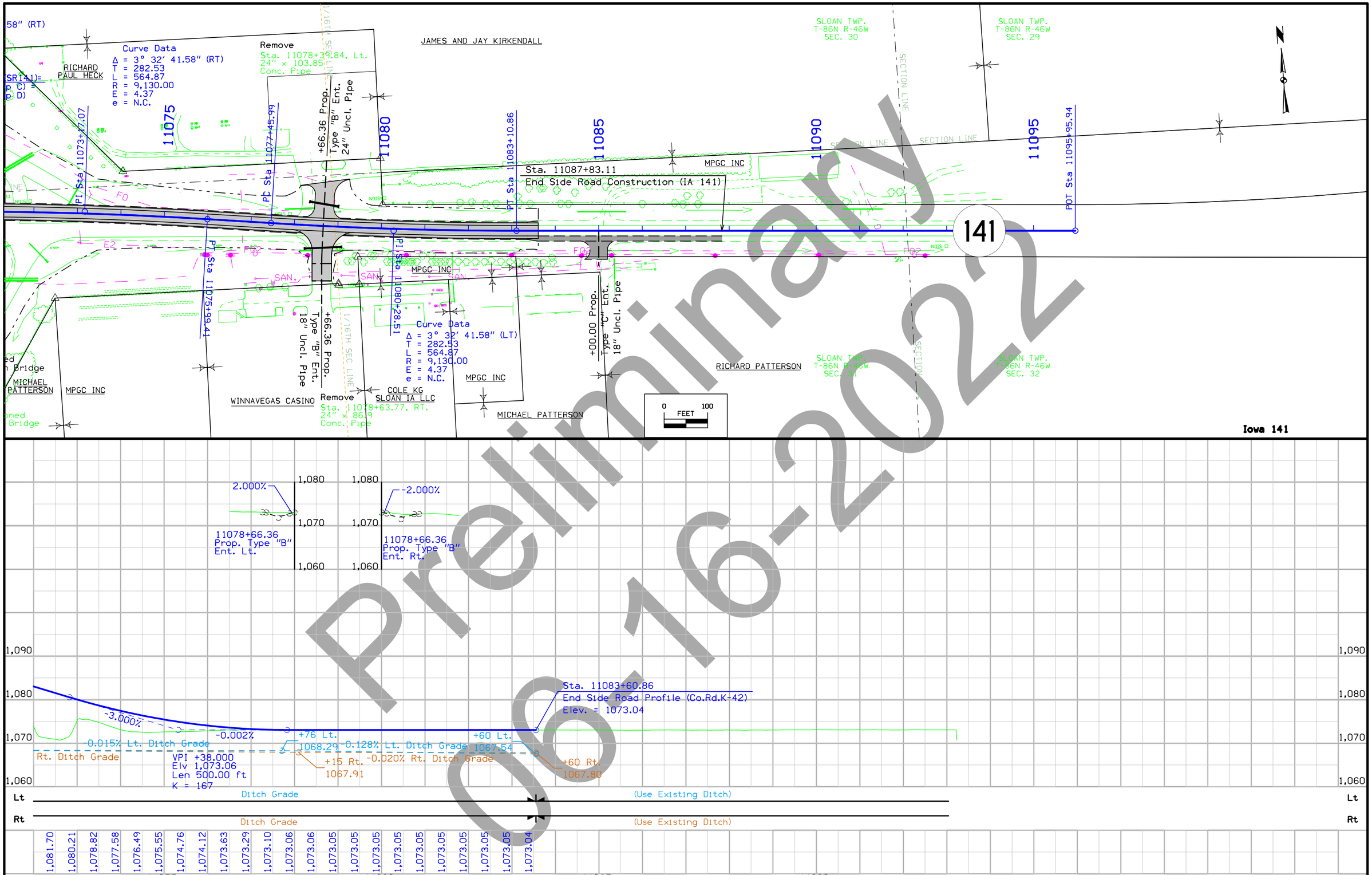
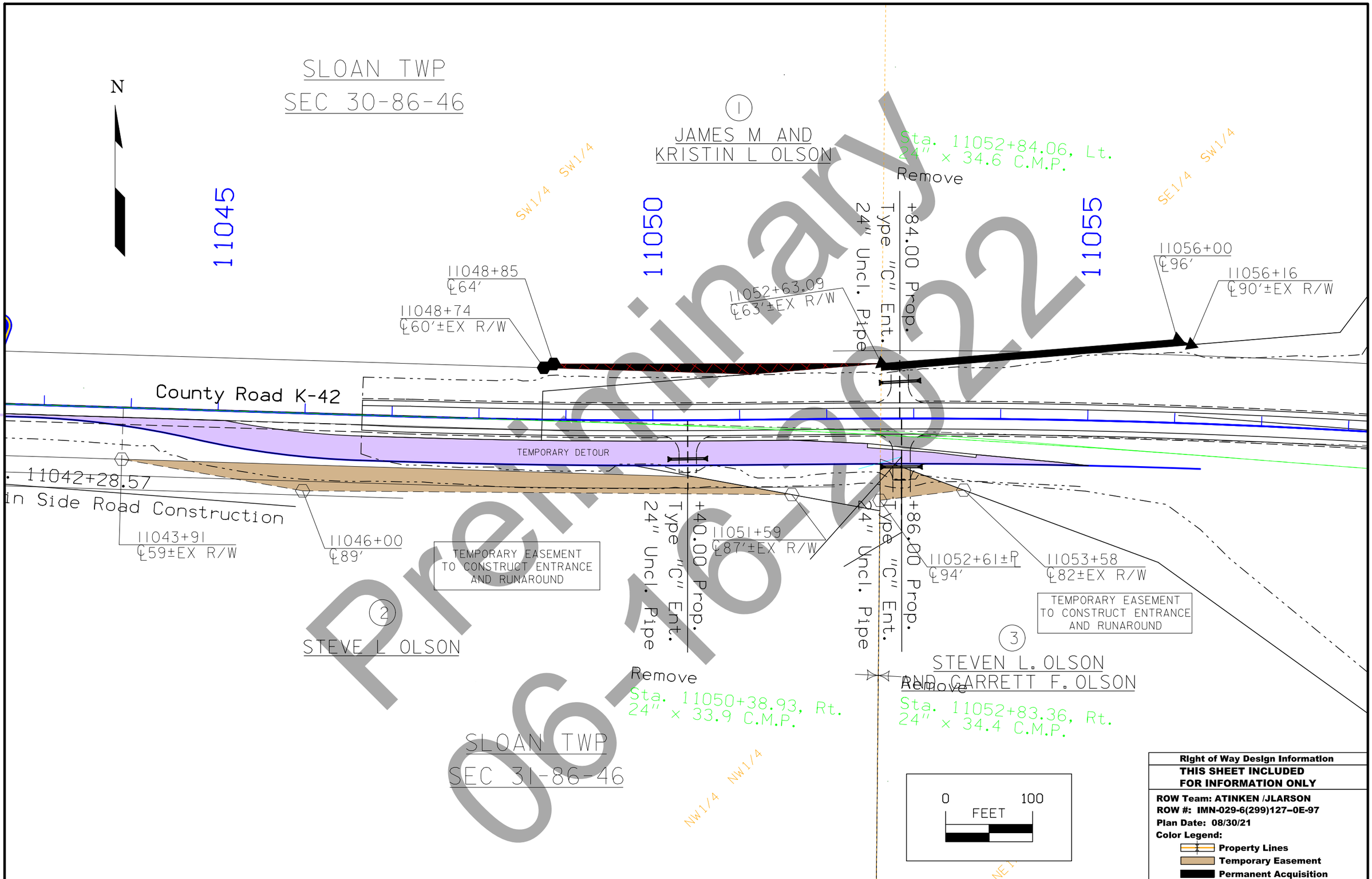


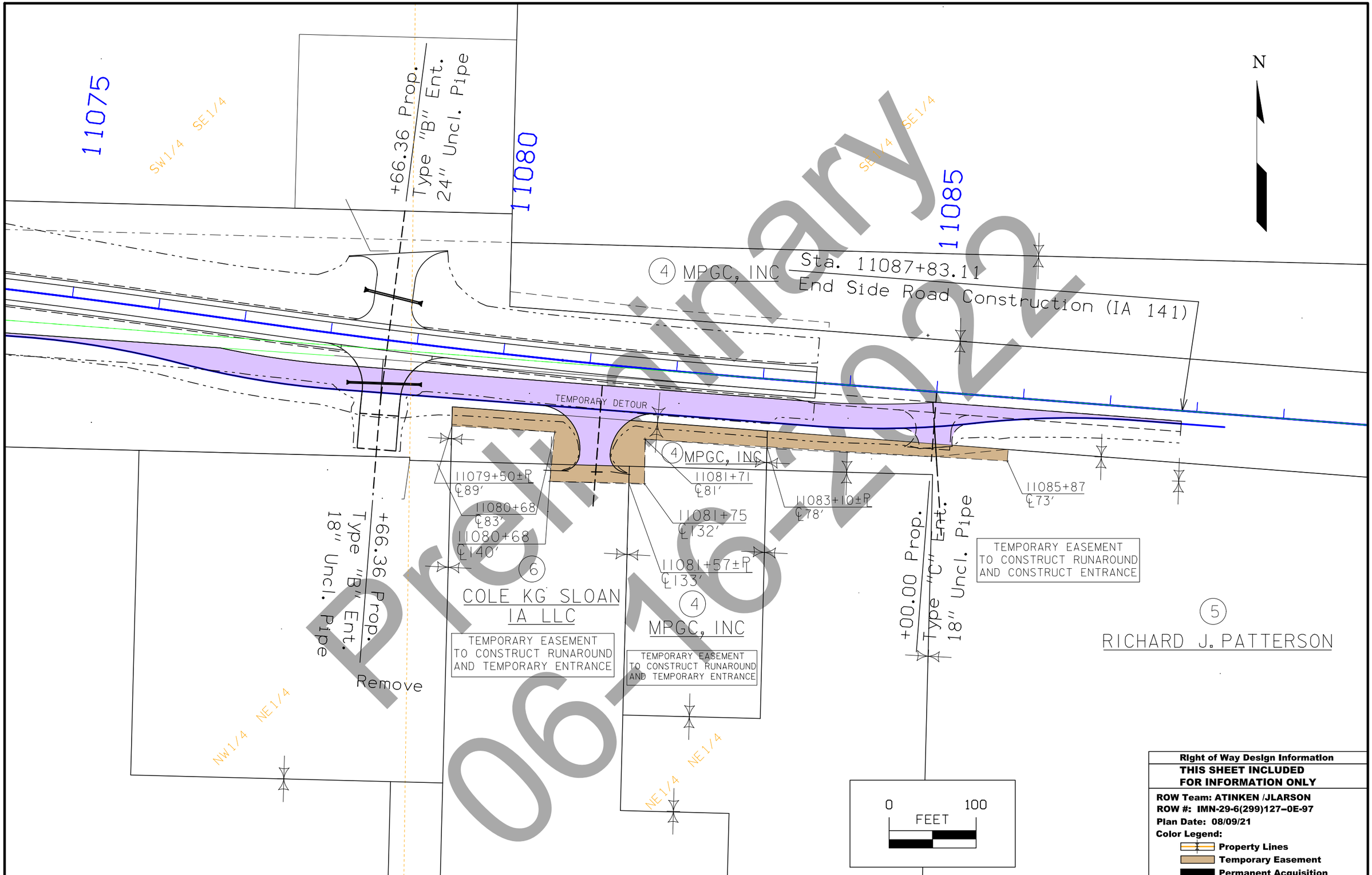
Preliminary
06-16-2022

FILE NO. 31724	ENGLISH	DESIGN TEAM IOWA DOT \ TranSystems	WOODBURY COUNTY	PROJECT NUMBER IMX-029-6(294)127--02-97	SHEET NUMBER E.2



Preliminary
06-16-2022

FILE NO.	ENGLISH	DESIGN TEAM IOWA DOT \ TranSystems	WOODBURY COUNTY	PROJECT NUMBER IMX-029-6(294)127--02-97	SHEET NUMBER HE.1



Preliminary
06-16-2022

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: ATINKEN /JLARSON
ROW #: IMN-29-6(299)127–0E-97
Plan Date: 08/09/21
Color Legend:
- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	IOWA DOT \ TranSystems	WOODBURY	COUNTY	PROJECT NUMBER	IMX-029-6(294)127--02-97	SHEET NUMBER	HE.2

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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]		[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 1																						
DET1_STG1																						
11042+28.56																						
11042+50.00	5	5	0	0	5	0			0	0	5	0	0	0	0	0	0					
11043+00.00	11	11	0	0	11	0			0	0	11	0	0	0	0	0	0					
11043+50.00	15	15	0	0	15	0			0	0	15	0	0	0	0	0	0					
11044+00.00	42	42	0	0	42	1			1	1	41	0	0	0	0	0	0					
11044+50.00	59	40	19	0	40	14	19		33	43	-3	0	0	19	0	0	19					
11045+00.00	106	66	40	0	66	48	40		88	114	-48	0	0	40	0	0	40					
11045+50.00	135	87	48	0	87	80	48		128	166	-79	0	0	48	0	0	48					
11046+00.00	142	89	53	0	89	94	53		147	191	-102	0	0	53	0	0	53					
11046+50.00	128	73	55	0	73	97	55		152	198	-125	0	0	55	0	0	55					
11047+00.00	106	51	55	0	51	102	55		157	204	-153	0	0	55	0	0	55					
11047+50.00	94	40	54	0	40	106	54		160	208	-168	0	0	54	0	0	54					
11048+00.00	101	47	54	0	47	103	54		157	204	-157	0	0	54	0	0	54					
11048+50.00	118	63	55	0	63	92	55		147	191	-128	0	0	55	0	0	55					
11049+00.00	128	74	54	0	74	84	54		138	179	-105	0	0	54	0	0	54					
11049+50.00	130	77	53	0	77	83	53		136	177	-100	0	0	53	0	0	53					
11050+00.00	115	64	51	0	64	88	51		139	181	-117	0	0	51	0	0	51					
11050+50.00	137	106	31	0	106	48	31		79	103	3	0	0	31	0	0	31					
11051+00.00	144	116	28	0	116	32	28		60	78	38	0	0	28	0	0	28					
11051+50.00	114	73	41	0	73	61	41		102	133	-60	0	0	41	0	0	41					
11052+00.00	102	65	37	0	65	47	37		84	109	-44	0	0	37	0	0	37					
11052+50.00	87	56	31	0	56	28	31		59	77	-21	0	0	31	0	0	31					
11052+90.00	51	51	0	2	51	8			8	10	41	0	0	0	0	0	0					
11053+00.00	40	12	28	1	12	1	28		29	38	-26	0	0	28	0	0	28					
11053+50.00	57	40	17	5	40	7	17		24	31	9	0	0	17	0	0	17					
11054+00.00	29	29	0	2	29	1			1	1	28	0	0	0	0	0	0					
11054+50.00	21	21	0	0	21	0			0	0	21	0	0	0	0	0	0					
DET1_STG1 Totals:	2,217	1,413	804	10	1,413	1,225	804	0	2,029	2,638	-1,225	0	0	804	0	0	804					

Preliminary 06-16-2022

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					
DET2_STG1																						
11074+00.00																						
11074+50.00	10	10	0	0	10	1			1	1	9	0	0	0	0	0	0					
11075+00.00	13	13	0	0	13	1			1	1	12	0	0	0	0	0	0					
11075+50.00	20	20	0	0	20	4			4	5	15	0	0	0	0	0	0					
11076+00.00	38	27	11	0	27	14	11		25	33	-6	0	0	11	0	0	11					
11076+50.00	57	31	26	0	31	43	26		69	90	-59	0	0	26	0	0	26					
11077+00.00	66	31	35	0	31	82	35		117	152	-121	0	0	35	0	0	35					
11077+50.00	65	26	39	0	26	106	39		145	189	-163	0	0	39	0	0	39					
11078+00.00	66	25	41	0	25	111	41		152	198	-173	0	0	41	0	0	41					
11078+50.00	203	120	83	0	120	54	83		137	178	-58	0	0	83	0	0	83					
11079+00.00	145	145	0	0	145	5			5	7	139	0	0	0	0	0	0					
11079+50.00	92	51	41	0	51	51	41		92	120	-69	0	0	41	0	0	41					
11080+00.00	65	24	41	0	24	92	41		133	173	-149	0	0	41	0	0	41					
11080+50.00	63	22	41	0	22	90	41		131	170	-148	0	0	41	0	0	41					
11081+00.00	123	57	66	0	57	107	66		173	225	-168	0	0	66	0	0	66					
11081+15.20	55	27	28	0	27	38	28		66	86	-59	0	0	28	0	0	28					
11081+50.00	80	34	46	0	34	80	46		126	164	-130	0	0	46	0	0	46					
11082+00.00	58	17	41	0	17	86	41		127	165	-148	0	0	41	0	0	41					
11082+50.00	61	22	39	0	22	71	39		110	143	-121	0	0	39	0	0	39					
11083+00.00	60	21	39	0	21	77	39		116	151	-130	0	0	39	0	0	39					
11083+50.00	63	23	40	0	23	78	40		118	153	-130	0	0	40	0	0	40					
11084+00.00	68	28	40	0	28	72	40		112	146	-118	0	0	40	0	0	40					
11084+50.00	78	39	39	0	39	58	39		97	126	-87	0	0	39	0	0	39					
11085+00.00	119	70	49	0	70	24	49		73	95	-25	0	0	49	0	0	49					
11085+50.00	75	75	0	0	75	2			2	3	72	0	0	0	0	0	0					
11086+00.00	48	48	0	0	48	2			2	3	45	0	0	0	0	0	0					
11086+50.00	34	34	0	0	34	0			0	0	34	0	0	0	0	0	0					
11087+00.00	23	23	0	0	23	0			0	0	23	0	0	0	0	0	0					
11087+50.00	14	14	0	1	14	0			0	0	14	0	0	0	0	0	0					
DET2_STG1																						
Totals:	1,862	1,077	785	1	1,077	1,349	785	0	2,134	2,775	-1,698	0	0	785	0	0	785					

Preliminary
06-16-2022

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 2																						
MLA29_STG2																						
1042+45.79	14	6	8	0	6	9	8		17	22	-16	0	0	8	7	10	-2					
1042+50.00	229	126	103	0	126	126	103	27	256	333	-207	0	0	103	93	130	-27					
1043+00.00	251	150	101	0	150	120	101	36	257	334	-184	0	0	101	78	109	-8					
1043+50.00	235	138	97	0	138	125	97	37	259	337	-199	0	0	97	67	94	3					
1044+00.00	219	127	92	0	127	150	92	38	280	364	-237	0	0	92	61	85	7					
1044+50.00	213	122	91	0	122	178	91	36	305	397	-275	0	0	91	58	81	10					
1045+00.00	191	108	83	0	108	181	83	34	298	387	-279	0	0	83	51	71	12					
1045+45.79	18	10	8	0	10	17	8	3	28	36	-26	0	0	8	5	7	1					
1045+50.00	223	128	95	0	128	202	95	40	337	438	-310	0	0	95	59	83	12					
1046+00.00	241	140	101	0	140	204	101	39	344	447	-307	0	0	101	64	90	11					
1046+50.00	243	141	102	0	141	237	102	37	376	489	-348	0	0	102	64	90	12					
1047+00.00	243	139	104	0	139	252	104	37	393	511	-372	0	0	104	64	90	14					
1047+50.00	236	132	104	7	132	238	104	27	369	480	-348	0	0	104	64	90	14					
1048+00.00	232	128	104	7	128	247	104	27	378	491	-363	0	0	104	63	88	16					
1048+50.00	236	132	104	0	132	252	104	35	391	508	-376	0	0	104	63	88	16					
1049+00.00	230	127	103	0	127	252	103	35	390	507	-380	0	0	103	61	85	18					
1049+50.00	233	134	99	1	134	249	99	36	384	499	-365	0	0	99	59	83	16					
1050+00.00	170	102	68	1	102	169	68	27	264	343	-241	0	0	68	40	56	12					
1050+36.21	64	39	25	0	39	62	25	11	98	127	-88	0	0	25	15	21	4					
1050+50.00	248	154	94	0	154	229	94	45	368	478	-324	0	0	94	57	80	14					
1051+00.00	268	174	94	0	174	229	94	52	375	488	-314	0	0	94	58	81	13					
1051+50.00	282	190	92	2	190	210	92	59	361	469	-279	0	0	92	58	81	11					
1052+00.00	304	210	94	2	210	191	94	66	351	456	-246	0	0	94	61	85	9					
1052+50.00	306	215	91	2	215	202	91	72	365	475	-260	0	0	91	58	81	10					
1053+00.00	294	205	89	3	205	237	89	78	404	525	-320	0	0	89	54	76	13					
1053+50.00	302	210	92	2	210	258	92	86	436	567	-357	0	0	92	55	77	15					
1054+00.00	313	221	92	1	221	254	92	96	442	575	-354	0	0	92	52	73	19					
1054+50.00	224	159	65	2	159	178	65	72	315	410	-251	0	0	65	34	48	17					
1055+00.00	2	1	1	0	1	2	1	88	91	118	-117	0	0	1	0	0	1					
1055+50.00	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
1056+00.00	0	0	0	0	0	2			2	3	-3	0	0	0	0	0	0					
1065+50.00	16	7	9	0	7	11	9		20	26	-19	0	0	9	0	0	9					
1066+00.00	34	1	33	0	1	9	33		42	55	-54	0	0	33	0	0	33					
1066+50.00	2	2	0	0	2	2			2	3	-1	0	0	0	0	0	0					
1075+50.00	153	106	47	0	106	79	47	39	165	215	-109	0	0	47	23	32	15					
1076+00.00	145	106	39	0	106	69	39	37	145	189	-83	0	0	39	19	27	12					
1076+50.00	135	102	33	0	102	59	33	34	126	164	-62	0	0	33	16	22	11					
1077+00.00	223	161	62	0	161	89	62	50	201	261	-100	0	0	62	32	45	17					
1077+50.00	312	219	93	0	219	116	93	65	274	356	-137	0	0	93	47	66	27					
1078+00.00	308	214	94	0	214	110	94	59	263	342	-128	0	0	94	49	69	25					
1078+50.00	295	199	96	0	199	115	96	53	264	343	-144	0	0	96	49	69	27					
1079+00.00	281	184	97	0	184	114	97	49	260	338	-154	0	0	97	48	67	30					
1079+50.00	273	174	99	0	174	110	99	43	252	328	-154	0	0	99	49	69	30					
1080+00.00	263	164	99	0	164	108	99	39	246	320	-156	0	0	99	50	70	29					
1080+50.00	251	153	98	0	153	116	98	28	242	315	-162	0	0	98	51	71	27					
1081+00.00	160	96	64	0	96	87	64	18	169	220	-124	0	0	64	34	48	16					
1081+33.08	82	49	33	0	49	47	33	12	92	120	-71	0	0	33	18	25	8					
1081+50.00	243	146	97	0	146	148	97	37	282	367	-221	0	0	97	53	74	23					
1082+00.00	245	148	97	0	148	159	97	36	292	380	-232	0	0	97	53	74	23					
1082+50.00	245	148	97	0	148	167	97	35	299	389	-241	0	0	97	53	74	23					
1083+00.00	348	152	196	0	152	176	196	35	407	529	-377	0	0	196	54	76	120					
1083+50.00	160	160	0	0	160	179		35	214	278	-118	0	0	0	55	77	-77					
1084+00.00	263	164	99	0	164	170	99	35	304	395	-231	0	0	99	55	77	22					
1084+50.00	259	161	98	0	161	166	98	35	299	389	-228	0	0	98	54	76	22					
1085+00.00	250	153	97	0	153	173	97	35	305	397	-244	0	0	97	53	74	23					
1085+50.00	244	147	97	0	147	177	97	34	308	400	-253	0	0	97	53	74	23					
1086+00.00	236	141	95	0	141	177	95	34	306	398	-257	0	0	95	51	71	24					
1086+50.00	228	133	95	0	133	172	95	33	300	390	-257	0	0	95	50	70	25					
1087+00.00	144	83	61	0	83	110	61	21	192	250	-167	0	0	61	33	46	15					
1087+32.33	77	44	33	0	44	60	33	12	105	137	-93	0	0	33	18	25	8					
1087+50.00	205	117	88	0	117	158	88	34	280	364	-247	0	0	88	46	64	24					
1088+00.00	194	111	83	1	111	147	83	35	265	345	-234	0	0	83	41	57	26					
1088+50.00	197	114	83	1	114	140	83	35	258	335	-221	0	0	83	42	59	24					
1089+00.00	197	116	81	0	116	128	81	36	245	319	-203	0	0	81	41	57	24					
1089+50.00	192	114	78	1	114	116	78	36	230	299	-185	0	0	78	39	55	23					
1090+00.00																						
Subtotals:	13,124	8,157	4,967	33	8,157	9,226	4,967	2,395	16,588	21,564	-13,407	0	0	4,967	2,852	3,993	974					

Preliminary Not for Bidding

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					
1090+00.00	203	122	81	1	122	110	81	36	227	295	-173	0	0	81	43	60	21					
1090+50.00	217	133	84	0	133	103	84	38	225	293	-160	0	0	84	49	69	15					
1091+00.00	220	138	82	0	138	91	82	38	211	274	-136	0	0	82	49	69	13					
1091+50.00	218	138	80	0	138	79	80	38	197	256	-118	0	0	80	49	69	11					
1092+00.00	215	137	78	0	137	68	78	37	183	238	-101	0	0	78	49	69	10					
1092+50.00	204	131	73	0	131	60	73	36	169	220	-89	0	0	73	44	62	11					
1093+00.00	63	63	0	0	63	29			29	38	25	0	0	0	20	28	-28					
1093+50.00																						
MLA29_STG2																						
Totals:	14,464	9,019	5,445	34	9,019	9,766	5,445	2,618	17,829	23,178	-14,159	0	0	5,445	3,155	4,417	1,028					

Preliminary
06-16-2022

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					
SR141_STG2																						
11046+65.75	93	77	16	0	77	0	16	23	39	51	26	0	0	16	12	17	-1					
11047+00.00	68	57	11	0	57	0	11	16	27	35	22	0	0	11	8	11	0					
11047+23.47	77	65	12	0	65	0	12	18	30	39	26	0	0	12	9	13	-1					
11047+50.00	136	114	22	0	114	0	22	35	57	74	40	0	0	22	16	22	0					
11048+00.00	124	101	23	0	101	0	23	35	58	75	26	0	0	23	16	22	1					
11048+50.00	128	101	27	0	101	0	27	34	61	79	22	0	0	27	20	28	-1					
11049+00.00	141	111	30	0	111	2	30	17	49	64	47	0	0	30	22	31	-1					
11049+50.00	150	119	31	0	119	11	31	18	60	78	41	0	0	31	22	31	0					
11050+00.00	149	117	32	0	117	21	32	35	88	114	3	0	0	32	23	32	0					
11050+50.00	151	116	35	0	116	30	35	35	100	130	-14	0	0	35	23	32	3					
11051+00.00	165	126	39	0	126	43	39	35	117	152	-26	0	0	39	25	35	4					
11051+50.00	164	122	42	0	122	54	42	24	120	156	-34	0	0	42	25	35	7					
11052+00.00	146	102	44	0	102	60	44	26	130	169	-67	0	0	44	26	36	8					
11052+50.00	129	82	47	6	82	53	47		100	130	-48	0	0	47	28	39	8					
11053+00.00	155	102	53	9	102	70	53	2	125	163	-61	0	0	53	31	43	10					
11053+50.00	190	132	58	5	132	107	58	2	167	217	-85	0	0	58	31	43	15					
11054+00.00	199	135	64	1	135	143	64	4	211	274	-139	0	0	64	34	48	16					
11054+50.00	218	144	74	0	144	208	74	4	286	372	-228	0	0	74	39	55	19					
11055+00.00	229	148	81	0	148	293	81	4	378	491	-343	0	0	81	43	60	21					
11055+50.00	86	0	86	0	0	0	86	3	89	116	-116	0	0	86	0	0	86					
11056+00.00	389	303	86	0	303	1,424	86	3	1,513	1,967	-1,664	0	0	86	135	189	-103					
11056+50.00	180	94	86	0	94	927	86	15	1,028	1,336	-1,242	0	0	86	68	95	-9					
11057+00.00	116	26	90	0	26	870	90		960	1,248	-1,222	0	0	90	39	55	35					
11057+50.00	215	22	193	0	22	2,608	193	1,233	4,034	5,244	-5,222	0	0	193	32	45	148					
11059+50.00	91	0	91	0	0	1,697	91		1,788	2,324	-2,324	0	0	91	0	0	91					
11060+00.00	75	0	75	0	0	1,693	75		1,768	2,298	-2,298	0	0	75	0	0	75					
11060+50.00	63	0	63	0	0	1,415	63		1,478	1,921	-1,921	0	0	63	0	0	63					
11061+00.00	74	0	74	0	0	1,754	74		1,828	2,376	-2,376	0	0	74	21	29	45					
11061+50.00	112	0	112	0	0	2,623	112		2,735	3,556	-3,556	0	0	112	62	87	25					
11062+00.00	134	1	133	0	1	3,034	133		3,167	4,117	-4,116	0	0	133	83	116	17					
11062+50.00	136	1	135	0	1	3,179	135		3,314	4,308	-4,307	0	0	135	85	119	16					
11063+00.00	132	0	132	0	0	3,253	132		3,385	4,401	-4,401	0	0	132	82	115	17					
11063+50.00	103	0	103	0	0	2,580	103		2,683	3,488	-3,488	0	0	103	62	87	16					
11064+00.00	186	1	185	0	1	3,490	185		3,675	4,778	-4,777	0	0	185	113	158	27					
11066+00.00	126	1	125	0	1	2,490	125		2,615	3,400	-3,399	0	0	125	79	111	14					
11066+50.00	141	1	140	0	1	3,343	140		3,483	4,528	-4,527	0	0	140	89	125	15					
11067+00.00	136	0	136	0	0	3,324	136		3,460	4,498	-4,498	0	0	136	86	120	16					
11067+50.00	119	0	119	0	0	3,093	119		3,212	4,176	-4,176	0	0	119	67	94	25					
11068+00.00	93	0	93	0	0	2,608	93		2,701	3,511	-3,511	0	0	93	26	36	57					
11068+50.00	66	0	66	0	0	1,736	66		1,802	2,343	-2,343	0	0	66	0	0	66					
11069+00.00	66	0	66	0	0	1,688	66		1,754	2,280	-2,280	0	0	66	0	0	66					
11069+50.00	109	0	109	0	0	2,395	109		2,504	3,255	-3,255	0	0	109	25	35	74					
11070+00.00	125	0	125	0	0	2,301	125		2,426	3,154	-3,154	0	0	125	57	80	45					
11070+50.00	99	0	99	0	0	1,726	99		1,825	2,373	-2,373	0	0	99	32	45	54					
11071+00.00	90	22	68	0	22	882	68		950	1,235	-1,213	0	0	68	23	32	36					
11073+50.00	95	39	56	0	39	361	56	68	485	631	-592	0	0	56	44	62	-6					
11074+00.00	96	31	65	0	31	197	65	37	299	389	-358	0	0	65	28	39	26					
11074+50.00	94	27	67	0	27	107	67	24	198	257	-230	0	0	67	25	35	32					
11075+00.00	93	27	66	0	27	165	66	18	249	324	-297	0	0	66	34	48	18					
11075+50.00	94	31	63	3	31	85	63	11	159	207	-176	0	0	63	32	45	18					
11076+00.00	104	44	60	9	44	39	60	5	104	135	-91	0	0	60	30	42	18					
11076+50.00	130	74	56	6	74	19	56	25	100	130	-56	0	0	56	30	42	14					
11077+00.00	165	112	53	0	112	17	53	46	116	151	-39	0	0	53	30	42	11					
11077+50.00	281	230	51	0	230	10	51	41	102	133	97	0	0	51	33	46	5					
11078+00.00	366	277	89	0	277	0	89	38	127	165	112	0	0	89	18	25	64					
11078+50.00	168	168	0	0	168	2		38	40	52	116	0	0	0	12	17	-17					
11079+00.00	146	111	35	0	111	3	35	38	76	99	12	0	0	35	24	34	1					
11079+50.00	139	108	31	0	108	1	31	38	70	91	17	0	0	31	23	32	-1					
11080+00.00	136	107	29	0	107	1	29	37	67	87	20	0	0	29	22	31	-2					
11080+50.00	137	109	28	0	109	0	28	37	65	85	25	0	0	28	21	29	-1					
11081+00.00	144	117	27	0	117	0	27	37	64	83	34	0	0	27	22	31	-4					
11081+50.00	141	118	23	0	118	0	23	37	60	78	40	0	0	23	18	25	-2					
11082+00.00	134	111	23	0	111	0	23	37	60	78	33	0	0	23	19	27	-4					
11082+50.00	140	116	24	0	116	0	24	37	61	79	37	0	0	24	19	27	-3					
11083+00.00	140	118	22	0	118	0	22	37	59	77	41	0	0	22	21	29	-7					
11083+50.00																						
SR141_STG2 Totals:																						

Preliminary not for construction

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					
RPA141_STG2																						
100+50.00	121	0	121	0	0	3,330	121		3,451	4,486	-4,486	0	0	121	21	29	92					
101+00.00	151	0	151	0	0	3,434	151		3,585	4,661	-4,661	0	0	151	51	71	80					
101+50.00	154	1	153	0	1	3,157	153		3,310	4,303	-4,302	0	0	153	59	83	70					
102+00.00	145	1	144	0	1	2,884	144		3,028	3,936	-3,935	0	0	144	56	78	66					
102+50.00	136	1	135	0	1	2,620	135		2,755	3,582	-3,581	0	0	135	54	76	59					
103+00.00	126	1	125	0	1	2,348	125		2,473	3,215	-3,214	0	0	125	50	70	55					
103+50.00	113	1	112	0	1	1,992	112		2,104	2,735	-2,734	0	0	112	46	64	48					
104+00.00	101	0	101	0	0	1,636	101		1,737	2,258	-2,258	0	0	101	22	31	70					
104+50.00	4	1	3	0	1	40	3		43	56	-55	0	0	3	1	1	2					
107+50.00	97	35	62	0	35	484	62	35	581	755	-720	0	0	62	35	49	13					
108+00.00	87	25	62	0	25	418	62	32	512	666	-641	0	0	62	31	43	19					
108+50.00	75	15	60	0	15	332	60	30	422	549	-534	0	0	60	28	39	21					
109+00.00	71	12	59	0	12	255	59	27	341	443	-431	0	0	59	25	35	24					
109+50.00	72	16	56	0	16	187	56	19	262	341	-325	0	0	56	23	32	24					
110+00.00	74	21	53	0	21	122	53	15	190	247	-226	0	0	53	21	29	24					
110+50.00	21	7	14	0	7	28	14	4	46	60	-53	0	0	14	6	8	6					
110+63.88	61	23	38	0	23	69	38	8	115	150	-127	0	0	38	15	21	17					
111+00.00	82	36	46	0	36	75	46	9	130	169	-133	0	0	46	19	27	19					
111+44.73																						
RPA141_STG2 Totals:	1,691	196	1,495	0	196	23,411	1,495	179	25,085	32,611	-32,415	0	0	1,495	563	789	707					

Preliminary 06-16-2022

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					
RPB141_STG2																						
203+08.92																						
203+50.00	62	27	35	0	27	99	35	13	147	191	-164	0	0	35	14	20	15					
204+00.00	62	13	49	0	13	150	49	6	205	267	-254	0	0	49	17	24	25					
204+50.00	58	3	55	0	3	200	55		255	332	-329	0	0	55	16	22	33					
205+00.00	65	1	64	0	1	273	64		337	438	-437	0	0	64	8	11	53					
205+50.00	69	1	68	0	1	346	68		414	538	-537	0	0	68	8	11	57					
206+00.00	68	1	67	0	1	406	67		473	615	-614	0	0	67	17	24	43					
206+50.00	74	1	73	0	1	483	73		556	723	-722	0	0	73	20	28	45					
206+90.85	65	1	64	0	1	463	64		527	685	-684	0	0	64	20	28	36					
207+00.00	14	0	14	0	0	112	14		126	164	-164	0	0	14	4	6	8					
207+50.00	96	12	84	0	12	663	84		747	971	-959	0	0	84	29	41	43					
208+00.00	122	28	94	0	28	792	94		886	1,152	-1,124	0	0	94	39	55	39					
208+50.00	82	16	66	0	16	437	66		503	654	-638	0	0	66	21	29	37					
210+50.00	0	0	0	0	0	2			2	3	-3	0	0	0	0	0	0					
211+00.00	79	0	79	0	0	1,244	79		1,323	1,720	-1,720	0	0	79	27	38	41					
211+50.00	133	1	132	0	1	2,589	132		2,721	3,537	-3,536	0	0	132	54	76	56					
212+00.00	149	1	148	0	1	3,037	148		3,185	4,141	-4,140	0	0	148	56	78	70					
212+50.00	186	17	169	0	17	3,460	169		3,629	4,718	-4,701	0	0	169	96	134	35					
212+59.95	43	7	36	0	7	728	36		764	993	-986	0	0	36	27	38	-2					
213+00.00	167	23	144	0	23	2,989	144		3,133	4,073	-4,050	0	0	144	105	147	-3					
213+50.00	190	21	169	0	21	3,488	169		3,657	4,754	-4,733	0	0	169	116	162	7					
213+56.32	22	2	20	0	2	392	20		412	536	-534	0	0	20	13	18	2					
214+00.00	105	8	97	0	8	1,429	97		1,526	1,984	-1,976	0	0	97	43	60	37					
RPB141_STG2 Totals:	1,911	184	1,727	0	184	23,782	1,727	19	25,528	33,187	-33,003	0	0	1,727	750	1,050	677					

Preliminary 06-16-2022

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					
RPC141_STG2																						
303+50.00																						
304+00.00	82	1	81	0	1	779	81		860	1,118	-1,117	0	0	81	26	36	45					
304+50.00	93	1	92	0	1	1,014	92		1,106	1,438	-1,437	0	0	92	29	41	51					
305+00.00	146	30	116	0	30	1,296	116		1,412	1,836	-1,806	0	0	116	58	81	35					
305+50.00	187	50	137	0	50	1,590	137		1,727	2,245	-2,195	0	0	137	88	123	14					
305+53.11	12	3	9	0	3	108	9		117	152	-149	0	0	9	6	8	1					
306+00.00	166	32	134	0	32	1,752	134		1,886	2,452	-2,420	0	0	134	88	123	11					
306+08.91	31	5	26	0	5	359	26		385	501	-496	0	0	26	17	24	2					
306+50.00	150	27	123	0	27	1,753	123		1,876	2,439	-2,412	0	0	123	82	115	8					
306+77.11	102	19	83	0	19	1,242	83		1,325	1,723	-1,704	0	0	83	56	78	5					
307+00.00	85	14	71	0	14	1,106	71		1,177	1,530	-1,516	0	0	71	49	69	3					
307+50.00	191	31	160	0	31	2,605	160		2,765	3,595	-3,564	0	0	160	110	154	6					
308+00.00	198	33	165	0	33	2,853	165		3,018	3,923	-3,890	0	0	165	116	162	3					
308+50.00	205	33	172	0	33	3,116	172		3,288	4,274	-4,241	0	0	172	122	171	1					
309+00.00	214	35	179	0	35	3,421	179		3,600	4,680	-4,645	0	0	179	129	181	-2					
309+50.00	208	32	176	0	32	3,592	176		3,768	4,898	-4,866	0	0	176	127	178	-2					
310+00.00	152	14	138	0	14	2,337	138		2,475	3,218	-3,204	0	0	138	61	85	53					
RPC141_STG2 Totals:	2,222	360	1,862	0	360	28,923	1,862	0	30,785	40,021	-39,661	0	0	1,862	1,164	1,630	233					

Preliminary 06-16-2022

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					
RPD141_STG2																						
400+50.00	136	0	136	0	0	3,977	136		4,113	5,347	-5,347	0	0	136	0	0	136					
401+00.00	144	0	144	0	0	4,247	144		4,391	5,708	-5,708	0	0	144	15	21	123					
401+50.00	160	0	160	0	0	4,095	160		4,255	5,532	-5,532	0	0	160	48	67	93					
402+00.00	148	0	148	0	0	3,392	148		3,540	4,602	-4,602	0	0	148	60	84	64					
402+46.30	11	0	11	0	0	252	11		263	342	-342	0	0	11	5	7	4					
402+50.00	140	1	139	0	1	3,135	139		3,274	4,256	-4,255	0	0	139	61	85	54					
403+00.00	89	0	89	0	0	1,560	89		1,649	2,144	-2,144	0	0	89	30	42	47					
403+50.00	74	0	74	0	0	5	74		79	103	-103	0	0	74	0	0	74					
405+50.00	8	8	0	0	8	544			544	707	-699	0	0	0	22	31	-31					
406+00.00	117	17	100	0	17	1,024	100		1,124	1,461	-1,444	0	0	100	41	57	43					
406+50.00	118	20	98	0	20	869	98		967	1,257	-1,237	0	0	98	37	52	46					
407+00.00	94	14	80	0	14	600	80		680	884	-870	0	0	80	29	41	39					
407+42.54	14	1	13	0	1	93	13		106	138	-137	0	0	13	4	6	7					
407+50.00	89	6	83	0	6	545	83		628	816	-810	0	0	83	25	35	48					
408+00.00	96	13	83	0	13	427	83		510	663	-650	0	0	83	27	38	45					
408+50.00	92	14	78	0	14	337	78		415	540	-526	0	0	78	25	35	43					
409+00.00	85	13	72	0	13	258	72		330	429	-416	0	0	72	23	32	40					
409+50.00	80	14	66	0	14	179	66		245	319	-305	0	0	66	22	31	35					
410+00.00	84	23	61	0	23	123	61		184	239	-216	0	0	61	22	31	30					
410+50.00	94	39	55	8	39	100	55	8	163	212	-173	0	0	55	22	31	24					
411+00.00	51	26	25	6	26	44	25	6	75	98	-72	0	0	25	11	15	10					
411+24.48																						
RPD141_STG2 Totals:	1,924	209	1,715	14	209	25,806	1,715	14	27,535	35,796	-35,587	0	0	1,715	529	741	975					

Preliminary 06-16-2022

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

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

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																						
MLA29_STG3																						
1071+50.00																						
1072+00.00	67	67	0	0	67	1			1	1	66	0	0	0	7	10	-10					
1072+50.00	125	125	0	0	125	0		43	43	56	69	0	0	0	12	17	-17					
1073+00.00	236	236	0	0	236	0		58	58	75	161	0	0	0	29	41	-41					
1073+50.00	276	276	0	0	276	0		90	90	117	159	0	0	0	36	50	-50					
1074+00.00	214	214	0	0	214	0		100	100	130	84	0	0	0	22	31	-31					
1074+50.00	181	181	0	0	181	0		83	83	108	73	0	0	0	10	14	-14					
1075+00.00	148	148	0	0	148	0		71	71	92	56	0	0	0	4	6	-6					
1075+50.00	94	94	0	0	94	0		50	50	65	29	0	0	0	1	1	-1					
1076+00.00	57	57	0	0	57	2		33	35	46	12	0	0	0	0	0	0					
1076+50.00	53	53	0	0	53	10		31	41	53	0	0	0	0	0	0	0					
1077+00.00	50	50	0	0	50	18		28	46	60	-10	0	0	0	0	0	0					
MLA29_STG3																						
Totals:	1,501	1,501	0	0	1,501	31	0	587	618	803	698	0	0	0	121	169	-169					

Preliminary
06-16-2022

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					
SR141_STG3																						
11058+00.00																						
11058+50.00	136	49	87	85	49	553		85	638	829	-780	0	0	87	81	113	-26					
11059+00.00	159	84	75	142	84	446		142	588	764	-680	0	0	75	107	150	-75					
11059+35.65	128	71	58	52	71	301		52	353	459	-388	0	0	58	72	101	-43					
11059+50.00	43	22	20	63	22	88		63	151	196	-174	0	0	20	27	38	-18					
11060+00.00	54	23	31	0	23	226			226	294	-271	0	0	31	55	77	-46					
11070+50.00	3	3	0	0	3	3			3	4	-1	0	0	0	2	3	-3					
11070+53.55	11	9	2	0	9	0	2		2	3	6	0	0	2	6	8	-6					
11071+00.00	626	600	26	0	600	146	26		172	224	376	0	0	26	91	127	-101					
11071+50.00	610	576	35	152	576	369		152	521	677	-101	0	0	35	56	78	-43					
11072+00.00	134	49	85	130	49	566		130	696	905	-856	0	0	85	59	83	3					
11072+50.00	208	88	120	58	88	766		58	824	1,071	-983	0	0	120	104	146	-26					
11073+00.00	161	66	95	56	66	588		56	644	837	-771	0	0	95	80	112	-17					
SR141_STG3																						
Totals:	2,273	1,640	634	738	1,640	4,052	28	738	4,818	6,264	-4,624	0	0	634	740	1,036	-402					

Preliminary
06-16-2022

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					
RPA141_STG3																						
100+50.00																						
100+93.89	40	40	0	0	40	226			226	294	-254	0	0	0	51	71	-71					
101+00.00	74	74	0	0	74	42			42	55	19	0	0	0	17	24	-24					
101+50.00	1,187	1,079	108	0	1,079	363	108		471	612	467	0	0	108	184	258	-150					
102+00.00	1,062	963	99	39	963	397	99	39	535	696	268	0	0	99	173	242	-143					
102+50.00	941	853	88	38	853	411	88	38	537	698	155	0	0	88	157	220	-132					
103+00.00	804	727	77	37	727	390	77	37	504	655	72	0	0	77	140	196	-119					
103+50.00	643	575	68	36	575	332	68	36	436	567	8	0	0	68	124	174	-106					
104+00.00	471	410	61	36	410	252	61	36	349	454	-44	0	0	61	109	153	-92					
104+50.00	340	287	53	35	287	195	53	35	283	368	-81	0	0	53	114	160	-107					
104+72.86	97	73	24	16	73	267	24	16	307	399	-326	0	0	24	56	78	-54					
105+00.00	76	26	50	19	26	622	50	19	691	898	-872	0	0	50	61	85	-35					
105+41.06	116	18	98	28	18	1,014	98	28	1,140	1,482	-1,464	0	0	98	83	116	-18					
105+50.00	23	3	20	6	3	206	20	6	232	302	-299	0	0	20	17	24	-4					
105+96.86	114	16	98	40	16	984	98	40	1,122	1,459	-1,443	0	0	98	83	116	-18					
106+00.00	7	1	6	3	1	60	6	3	69	90	-89	0	0	6	5	7	-1					
106+50.00	114	26	88	55	26	833	88	55	976	1,269	-1,243	0	0	88	79	111	-23					
107+00.00	155	78	77	66	78	643	77	66	786	1,022	-944	0	0	77	75	105	-28					
107+50.00	170	170	0	64	170	296		64	360	468	-298	0	0	0	57	80	-80					
108+00.00	153	153	0	55	153	20		55	75	98	56	0	0	0	35	49	-49					
108+50.00	74	74	0	42	74	13		42	55	72	3	0	0	0	23	32	-32					
109+00.00	47	47	0	27	47	8		27	35	46	2	0	0	0	12	17	-17					
109+50.00	29	29	0	19	29	3		19	22	29	0	0	0	0	5	7	-7					
110+00.00	20	20	0	13	20	0		13	13	17	3	0	0	0	1	1	-1					
110+08.08	3	3	0	2	3	1		2	3	4	-1	0	0	0	0	0	0					
110+50.00	16	16	0	8	16	7		8	15	20	-4	0	0	0	0	0	0					
110+63.88	5	5	0	2	5	2		2	4	5	0	0	0	0	0	0	0					
111+00.00	12	12	0	6	12	2		6	8	10	2	0	0	0	0	0	0					
111+01.08	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0					
111+44.73	9	9	0	4	9	0		4	4	5	4	0	0	0	0	0	0					
RPA141_STG3 Totals:	6,802	5,787	1,015	696	5,787	7,589	1,015	696	9,300	12,090	-6,303	0	0	1,015	1,661	2,326	-1,311					

Preliminary
06-16-2022

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					
RPD141_STG3																						
400+50.00	1,781	1,684	97	0	1,684	0	97		97	126	1,558	0	0	97	218	305	-208					
401+00.00	935	877	58	0	877	17	58		75	98	780	0	0	58	122	171	-113					
401+29.30	604	564	40	26	564	45	40	26	111	144	420	0	0	40	83	116	-76					
401+50.00	1,280	1,194	86	55	1,194	248	86	55	389	506	688	0	0	86	661	925	-839					
402+00.00	942	875	67	50	875	303	67	50	420	546	329	0	0	67	585	819	-752					
402+46.30	64	59	5	4	59	24	5	4	33	43	16	0	0	5	10	14	-9					
402+50.00	733	674	59	51	674	272	59	51	382	497	177	0	0	59	156	218	-159					
403+00.00	382	304	78	50	304	1,256	78	50	1,384	1,799	-1,495	0	0	78	159	223	-145					
403+50.00	147	32	115	47	32	2,205	115	47	2,367	3,077	-3,045	0	0	115	130	182	-67					
404+00.00	134	12	122	44	12	1,950	122	44	2,116	2,751	-2,739	0	0	122	113	158	-36					
404+50.00	128	14	114	42	14	1,640	114	42	1,796	2,335	-2,321	0	0	114	104	146	-32					
405+00.00	185	74	111	42	74	1,415	111	42	1,568	2,038	-1,964	0	0	111	99	139	-28					
405+50.00	324	260	64	42	260	710	64	42	816	1,061	-801	0	0	64	101	141	-77					
406+00.00	373	353	20	42	353	71	20	42	133	173	180	0	0	20	84	118	-98					
406+50.00	267	249	18	34	249	34	18	34	86	112	137	0	0	18	49	69	-51					
406+87.17	98	92	6	13	92	12	6	13	31	40	52	0	0	6	17	24	-18					
407+00.00	336	321	15	49	321	36	15	49	100	130	191	0	0	15	57	80	-65					
407+42.54	59	57	2	10	57	6	2	10	18	23	34	0	0	2	33	46	-44					
407+50.00	254	241	13	39	241	32	13	39	84	109	132	0	0	13	204	286	-273					
408+00.00	124	111	13	13	111	22	13	13	48	62	49	0	0	13	31	43	-30					
408+50.00	94	83	11	8	83	13	11	8	32	42	41	0	0	11	23	32	-21					
409+00.00	44	44	0	3	44	5		3	8	10	34	0	0	0	13	18	-18					
409+50.00	37	37	0	6	37	1		6	7	9	28	0	0	0	6	8	-8					
410+00.00	31	31	0	9	31	0		9	9	12	19	0	0	0	2	3	-3					
410+50.00	18	18	0	7	18	7		7	14	18	0	0	0	0	2	3	-3					
411+00.00	5	5	0	3	5	5		3	8	10	-5	0	0	0	1	1	-1					
411+24.48																						
RPD141_STG3 Totals:	9,379	8,265	1,114	689	8,265	10,329	1,114	689	12,132	15,772	-7,507	0	0	1,114	3,063	4,289	-3,175					

Preliminary
06-16-2022

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 4																						
MLA29_STG4																						
1055+00.00																						
1055+50.00	83	83	0	0	83	0		45	45	59	25	0	0	0	0	0	0					
1056+00.00	110	110	0	0	110	0		63	63	82	28	0	0	0	0	0	0					
1056+50.00	115	115	0	0	115	0		51	51	66	49	0	0	0	0	0	0					
1057+00.00	113	113	0	0	113	4		48	52	68	45	0	0	0	1	1	-1					
1057+50.00	113	113	0	0	113	13		63	76	99	14	0	0	0	4	6	-6					
1058+00.00	111	111	0	0	111	8		58	66	86	25	0	0	0	3	4	-4					
1058+50.00	113	113	0	0	113	0		52	52	68	45	0	0	0	1	1	-1					
1059+00.00	93	92	0	0	92	0		36	36	47	45	0	0	0	9	13	-13					
MLA29_STG4																						
Totals:	851	850	0	0	850	25	0	416	441	573	277	0	0	0	18	25	-25					

Preliminary
06-16-2022

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					
SR141_STG4																						
11042+50.00																						
11043+00.00	29	25	4	5	25	46	4	5	55	72	-47	0	0	4	16	22	-18					
11043+50.00	30	27	3	7	27	40	3	7	50	65	-38	0	0	3	17	24	-21					
11044+00.00	32	30	2	13	30	23	2	13	38	49	-19	0	0	2	19	27	-25					
11044+50.00	246	59	187	22	59	6	187	22	215	280	-221	0	0	187	43	60	127					
11045+00.00	118	118	0	35	118	12		35	47	61	57	0	0	0	51	71	-71					
11045+50.00	172	172	0	42	172	31		42	73	95	77	0	0	0	110	154	-154					
11046+00.00	200	200	0	42	200	44		42	86	112	88	0	0	0	192	269	-269					
11046+50.00	212	212	0	42	212	47		42	89	116	96	0	0	0	205	287	-287					
11047+00.00	236	236	0	43	236	38		43	81	105	131	0	0	0	128	179	-179					
11047+23.47	124	124	0	20	124	13		20	33	43	81	0	0	0	22	31	-31					
11047+50.00	143	143	0	23	143	14		23	37	48	95	0	0	0	25	35	-35					
11048+00.00	268	268	0	43	268	32		43	75	98	171	0	0	0	47	66	-66					
11048+50.00	266	266	0	43	266	41		43	84	109	157	0	0	0	49	69	-69					
11049+00.00	264	264	0	44	264	44		43	87	113	151	0	0	0	49	69	-69					
11049+50.00	261	261	0	45	261	45		43	88	114	147	0	0	0	49	69	-69					
11050+00.00	256	256	0	48	256	47		43	90	117	139	0	0	0	50	70	-70					
11050+40.00	125	125	0	40	125	47		34	81	105	20	0	0	0	20	28	-28					
11050+50.00	13	13	0	10	13	13		8	21	27	-14	0	0	0	4	6	-6					
11051+00.00	153	153	0	55	153	46		43	89	116	37	0	0	0	42	59	-59					
11051+50.00	233	233	0	59	233	21		52	73	95	138	0	0	0	45	63	-63					
11052+00.00	228	228	0	61	228	13		61	74	96	132	0	0	0	43	60	-60					
11052+50.00	219	219	0	61	219	11		57	68	88	131	0	0	0	42	59	-59					
11052+85.00	99	99	0	42	99	3		37	40	52	47	0	0	0	14	20	-20					
11053+00.00	37	37	0	18	37	0		17	17	22	15	0	0	0	7	10	-10					
11053+50.00	206	206	0	59	206	0		59	59	77	129	0	0	0	44	62	-62					
11054+00.00	237	237	0	58	237	1		58	59	77	160	0	0	0	41	57	-57					
11054+50.00	235	235	0	59	235	0		59	59	77	158	0	0	0	44	62	-62					
11055+00.00	247	247	0	56	247	0		56	56	73	174	0	0	0	46	64	-64					
11055+50.00	297	279	18	57	279	4	18	57	79	103	176	0	0	18	51	71	-53					
11056+00.00	350	329	21	42	329	13	21	42	76	99	230	0	0	21	59	83	-62					
11056+50.00	522	491	31	54	491	23	31	54	108	140	351	0	0	31	81	113	-82					
11057+00.00	844	792	52	85	792	32	52	85	169	220	572	0	0	52	117	164	-112					
11057+50.00	1,157	1,072	85	87	1,072	40	85	87	212	276	796	0	0	85	152	213	-128					
11058+00.00	1,440	1,317	123	86	1,317	46	123	86	255	332	986	0	0	123	186	260	-137					
11058+50.00	1,801	1,724	77	99	1,724	50	77	99	226	294	1,430	0	0	77	169	237	-160					
11059+00.00	1,630	1,593	37	89	1,593	51	37	89	177	230	1,363	0	0	37	122	171	-134					
11059+50.00	976	920	56	58	920	48	56	58	162	211	709	0	0	56	96	134	-78					
11060+00.00	456	418	38	50	418	56	38	50	144	187	231	0	0	38	65	91	-53					
11060+50.00	192	97	95	50	97	83	95	50	228	296	-199	0	0	95	24	34	61					
11061+00.00	6	6	0	50	6	99		50	149	194	-188	0	0	0	0	0	0					
11061+50.00	7	7	0	51	7	89		51	140	182	-175	0	0	0	0	0	0					
11062+00.00	234	234	0	50	234	59		50	109	142	92	0	0	0	29	41	-41					
11062+50.00	711	667	44	50	667	38	44	50	132	172	495	0	0	44	75	105	-61					
11063+00.00	854	790	64	51	790	35	64	51	150	195	595	0	0	64	93	130	-66					
11063+50.00	712	647	65	47	647	33	65	47	145	189	459	0	0	65	94	132	-67					
11064+00.00	957	888	69	42	888	16	69	42	127	165	723	0	0	69	102	143	-74					
11066+00.00	29	27	2	43	27	0	2	42	44	57	-30	0	0	2	3	4	-2					
11066+50.00	490	444	46	0	444	16	46		62	81	363	0	0	46	78	109	-63					
11067+00.00	802	738	64	47	738	33	64	47	144	187	551	0	0	64	94	132	-68					
11067+50.00	817	754	63	52	754	35	63	52	150	195	559	0	0	63	94	132	-69					
11068+00.00	875	812	63	51	812	36	63	51	150	195	617	0	0	63	94	132	-69					
11068+50.00	560	527	33	51	527	35	33	51	119	155	372	0	0	33	65	91	-58					
11069+00.00	224	105	119	28	105	35	119	28	182	237	-132	0	0	119	19	27	92					
11069+50.00	5	5	0	13	5	49		13	62	81	-76	0	0	0	0	0	0					
11070+00.00	17	17	0	33	17	65		33	98	127	-110	0	0	0	14	20	-20					
11070+50.00	316	316	0	48	316	58		48	106	138	178	0	0	0	57	80	-80					
11071+00.00	725	664	61	50	664	45	61	50	156	203	461	0	0	61	400	560	-499					
11071+50.00	1,361	1,263	98	72	1,263	46	98	72	216	281	982	0	0	98	413	578	-480					
11072+00.00	1,757	1,757	0	127	1,757	53		127	180	234	1,523	0	0	0	116	162	-162					
11072+50.00	1,259	1,209	50	115	1,209	57	50	115	222	289	920	0	0	50	114	160	-110					
11073+00.00	628	572	56	61	572	53	56	61	170	221	351	0	0	56	91	127	-71					
11073+50.00	421	382	39	50	382	44	39	50	133	173	209	0	0	39	68	95	-56					
11074+00.00	297	275	22	49	275	35	22	49	106	138	137	0	0	22	57	80	-58					
11074+50.00	216	206	10	51	206	25	10	51	86	112	94	0	0	10	51	71	-61					
11075+00.00	184	184	0	54	184	13		54	67	87	97	0	0	0	47	66	-66					
11075+50.00	195	195	0	57	195	3		57	60	78	117	0	0	0	44	62	-62					
11076+00.00	244	244	0	64	244	0		64	64	83	161	0	0	0	41	57	-57					
Subtotals:	29,457	27,660	1,797	3,309	27,660	2,229	1,797	3,263	7,289	9,476	18,184	0	0	1,797	4,939	6,915	-5,118					

Preliminary 06-16-2022

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					
11076+00.00	317	317	0	75	317	0		75	75	98	220	0	0	0	42	59	-59					
11076+50.00	382	382	0	83	382	0		83	83	108	274	0	0	0	47	66	-66					
11077+00.00	408	408	0	81	408	1		81	82	107	301	0	0	0	50	70	-70					
11077+50.00	397	397	0	75	397	2		75	77	100	297	0	0	0	51	71	-71					
11078+00.00	345	345	0	71	345	35		71	106	138	207	0	0	0	26	36	-36					
11078+50.00	95	95	0	22	95	24		22	46	60	35	0	0	0	0	0	0					
11078+66.36	142	142	0	44	142	49		44	93	121	21	0	0	0	0	0	0					
11079+00.00	232	232	0	64	232	38		64	102	133	99	0	0	0	23	32	-32					
11079+50.00	310	310	0	61	310	7		61	68	88	222	0	0	0	44	62	-62					
11080+00.00	290	290	0	59	290	4		59	63	82	208	0	0	0	42	59	-59					
11080+50.00	370	370	0	125	370	2		125	127	165	205	0	0	0	68	95	-95					
11081+00.00	392	392	0	134	392	0		134	134	174	218	0	0	0	68	95	-95					
11081+50.00	274	274	0	64	274	2		64	66	86	188	0	0	0	39	55	-55					
11082+00.00	222	222	0	52	222	3		52	55	72	151	0	0	0	37	52	-52					
11082+50.00	218	218	0	52	218	3		52	55	72	147	0	0	0	36	50	-50					
11083+00.00	211	211	0	52	211	5		52	57	74	137	0	0	0	36	50	-50					
11083+50.00	196	196	0	53	196	6		53	59	77	119	0	0	0	100	140	-140					
11084+00.00	172	172	0	53	172	7		53	60	78	94	0	0	0	150	210	-210					
11084+50.00	90	90	0	53	90	6		53	59	77	13	0	0	0	68	95	-95					
11085+00.00	43	43	0	45	43	1		45	46	60	-17	0	0	0	9	13	-13					
11085+50.00	42	42	0	29	42	19		29	48	62	-20	0	0	0	16	22	-22					
11086+00.00	23	23	0	17	23	51		17	68	88	-65	0	0	0	14	20	-20					
11086+50.00	21	21	0	9	21	70		9	79	103	-82	0	0	0	15	21	-21					
11087+00.00	18	18	0	6	18	71		6	77	100	-82	0	0	0	15	21	-21					
11087+50.00	9	9	0	0	9	35			35	46	-37	0	0	0	8	11	-11					
11088+00.00																						
SR141_STG4																						
Totals:	34,676	32,879	1,797	4,688	32,879	2,670	1,797	4,642	9,109	11,842	21,038	0	0	1,797	5,943	8,321	-6,524					

Preliminary
06-16-2022

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					
RPB141_STG4																						
203+08.92																						
203+50.00	24	24	0	8	24	0		8	8	10	14	0	0	0	0	0	0					
204+00.00	37	37	0	14	37	0		14	14	18	19	0	0	0	3	4	-4					
204+50.00	32	32	0	18	32	1		18	19	25	7	0	0	0	10	14	-14					
205+00.00	26	26	0	20	26	14		20	34	44	-18	0	0	0	18	25	-25					
205+50.00	29	29	0	19	29	43		18	61	79	-50	0	0	0	26	36	-36					
206+00.00	46	46	0	24	46	76		23	99	129	-83	0	0	0	37	52	-52					
206+40.45	60	60	0	30	60	82		30	112	146	-86	0	0	0	38	53	-53					
206+50.00	18	18	0	9	18	22		9	31	40	-22	0	0	0	10	14	-14					
207+00.00	178	178	0	46	178	83		46	129	168	10	0	0	0	58	81	-81					
207+46.23	228	219	9	36	219	46	9	36	91	118	101	0	0	9	54	76	-67					
207+50.00	17	16	1	2	16	4	1	2	7	9	7	0	0	1	4	6	-5					
208+00.00	268	251	17	33	251	59	17	33	109	142	109	0	0	17	73	102	-85					
208+50.00	247	187	60	33	187	555	60	33	648	842	-655	0	0	60	89	125	-65					
209+00.00	168	65	103	34	65	1,127	103	34	1,264	1,643	-1,578	0	0	103	87	122	-19					
209+50.00	151	44	107	35	44	1,355	107	35	1,497	1,946	-1,902	0	0	107	91	127	-20					
210+00.00	192	68	124	35	68	1,648	124	35	1,807	2,349	-2,281	0	0	124	114	160	-36					
210+50.00	253	119	134	36	119	1,931	134	36	2,101	2,731	-2,612	0	0	134	150	210	-76					
211+00.00	438	335	103	38	335	1,149	103	38	1,290	1,677	-1,342	0	0	103	149	209	-106					
211+50.00	676	595	81	39	595	243	81	39	363	472	123	0	0	81	147	206	-125					
212+00.00	830	736	94	41	736	190	94	41	325	423	314	0	0	94	177	248	-154					
212+50.00	957	854	103	42	854	62	103	42	207	269	585	0	0	103	173	242	-139					
213+00.00	1,194	1,068	126	89	1,068	0	126	89	215	280	789	0	0	126	174	244	-118					
213+50.00	1,445	1,264	181	0	1,264	0	181		181	235	1,029	0	0	181	202	283	-102					
213+56.32	189	165	24	0	165	0	24		24	31	134	0	0	24	26	36	-12					
213+76.00	623	558	65	0	558	13	65		78	101	457	0	0	65	98	137	-72					
214+00.00	795	700	95	0	700	305	95		400	520	180	0	0	95	144	202	-107					
214+50.00	1,648	1,452	196	0	1,452	652	196		848	1,102	350	0	0	196	254	356	-160					
RPB141_STG4																						
Totals:	10,769	9,146	1,623	681	9,146	9,660	1,623	679	11,962	15,551	-6,405	0	0	1,623	2,406	3,369	-1,746					

Preliminary
06-16-2022

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					
RPC141_STG4																						
300+00.00	77	34	43	40	34	166	43	40	249	324	-290	0	0	43	28	39	4					
300+50.00	88	51	37	53	51	96	37	53	186	242	-191	0	0	37	31	43	-6					
301+00.00	101	75	26	57	75	21	26	57	104	135	-60	0	0	26	27	38	-12					
301+41.95	25	20	5	13	20	0	5	13	18	23	-3	0	0	5	5	7	-2					
301+50.00	220	195	25	93	195	0	25	93	118	153	42	0	0	25	37	52	-27					
302+00.00	329	304	25	96	304	75	25	96	196	255	49	0	0	25	47	66	-41					
302+50.00	454	411	43	81	411	292	43	81	416	541	-130	0	0	43	65	91	-48					
303+00.00	557	523	34	69	523	249	34	69	352	458	65	0	0	34	74	104	-70					
303+50.00	638	610	28	57	610	96	28	57	181	235	375	0	0	28	80	112	-84					
304+00.00	716	667	49	46	667	111	49	46	206	268	399	0	0	49	98	137	-88					
304+50.00	745	699	46	42	699	47	46	42	135	176	524	0	0	46	407	570	-524					
305+00.00	796	751	45	43	751	0	45	43	88	114	637	0	0	45	750	1,050	-1,005					
305+50.00	52	49	3	3	49	0	3	3	6	8	41	0	0	3	49	69	-66					
305+53.11	845	789	56	41	789	0	56	41	97	126	663	0	0	56	419	587	-531					
306+00.00	971	899	72	45	899	0	72	45	117	152	747	0	0	72	103	144	-72					
306+50.00	561	517	44	0	517	0	44		44	57	460	0	0	44	60	84	-40					
306+77.11	491	451	40	0	451	0	40		40	52	399	0	0	40	40	56	-16					
307+00.00	1,086	993	93	0	993	0	93		93	121	872	0	0	93	61	85	8					
307+50.00	1,149	1,046	103	0	1,046	0	103		103	134	912	0	0	103	58	81	22					
308+00.00	1,248	1,133	115	0	1,133	0	115		115	150	984	0	0	115	55	77	38					
308+50.00	1,372	1,245	127	0	1,245	0	127		127	165	1,080	0	0	127	52	73	54					
309+00.00	1,641	1,491	150	0	1,491	0	150		150	195	1,296	0	0	150	125	175	-25					
309+50.00	1,127	937	190	0	937	80	190		270	351	586	0	0	190	1,198	1,677	-1,487					
310+00.00	120	120	0	0	120	151			151	196	-76	0	0	0	1,112	1,557	-1,557					
310+50.00																						
RPC141_STG4 Totals:	15,409	14,010	1,399	779	14,010	1,384	1,399	779	3,562	4,631	9,380	0	0	1,399	4,981	6,974	-5,575					

Preliminary
06-16-2022

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 1																						
DET1_STG1	2,217	1,413	804	10	1,413	1,225	804	0	2,029	2,638	-1,225	0	0	804	0	0	804					
DET2_STG1	1,862	1,077	785	1	1,077	1,349	785	0	2,134	2,775	-1,698	0	0	785	0	0	785					
Stage 1 Subtotals:	4,079	2,490	1,589	11	2,490	2,574	1,589	0	4,163	5,413	-2,923	0	0	1,589	0	0	1,589					
Stage 2																						
MLA29_STG2	14,464	9,019	5,445	34	9,019	9,766	5,445	2,618	17,829	23,178	-14,159	0	0	5,445	3,155	4,417	1,028					
SR141_STG2	9,017	4,618	4,399	39	4,618	58,235	4,399	2,307	64,941	84,424	-79,806	0	0	4,399	2,224	3,114	1,286					
RPA141_STG2	1,691	196	1,495	0	196	23,411	1,495	179	25,085	32,611	-32,415	0	0	1,495	563	789	707					
RPB141_STG2	1,911	184	1,727	0	184	23,782	1,727	19	25,528	33,187	-33,003	0	0	1,727	750	1,050	677					
RPC141_STG2	2,222	360	1,862	0	360	28,923	1,862	0	30,785	40,021	-39,661	0	0	1,862	1,164	1,630	233					
RPD141_STG2	1,924	209	1,715	14	209	25,806	1,715	14	27,535	35,796	-35,587	0	0	1,715	529	741	975					
Stage 2 Subtotals:	31,229	14,586	16,643	87	14,586	169,923	16,643	5,137	191,703	249,217	-234,631	0	0	16,643	8,385	11,741	4,906					
Stage 3																						
MLA29_STG3	1,501	1,501	0	0	1,501	31	0	587	618	803	698	0	0	0	121	169	-169					
SR141_STG3	2,273	1,640	634	738	1,640	4,052	28	738	4,818	6,264	-4,624	0	0	634	740	1,036	-402					
RPA141_STG3	6,802	5,787	1,015	696	5,787	7,589	1,015	696	9,300	12,090	-6,303	0	0	1,015	1,661	2,326	-1,311					
RPD141_STG3	9,379	8,265	1,114	689	8,265	10,329	1,114	689	12,132	15,772	-7,507	0	0	1,114	3,063	4,289	-3,175					
Stage 3 Subtotals:	19,955	17,193	2,763	2,123	17,193	22,001	2,157	2,710	26,868	34,929	-17,736	0	0	2,763	5,585	7,820	-5,057					
Stage 4																						
MLA29_STG4	851	850	0	0	850	25	0	416	441	573	277	0	0	0	18	25	-25					
SR141_STG4	34,676	32,879	1,797	4,688	32,879	2,670	1,797	4,642	9,109	11,842	21,038	0	0	1,797	5,943	8,321	-6,524					
RPB141_STG4	10,769	9,146	1,623	681	9,146	9,660	1,623	679	11,962	15,551	-6,405	0	0	1,623	2,406	3,369	-1,746					
RPC141_STG4	15,409	14,010	1,399	779	14,010	1,384	1,399	779	3,562	4,631	9,380	0	0	1,399	4,981	6,974	-5,575					
Stage 4 Subtotals:	61,705	56,885	4,819	6,148	56,885	13,739	4,819	6,516	25,074	32,597	24,290	0	0	4,819	13,348	18,689	-13,870					
Project Totals:	116,968	91,154	25,814	8,369	91,154	208,237	25,208	14,363	247,808	322,156	-231,000	0	0	25,814	27,318	38,251	-12,433					

Excavation, Class 10, Roadway & Borrow		
Stage 1	2,490	[5]
Stage 2	14,586	[5]
Stage 3	17,193	[5]
Stage 4	24,290	[11]
Total	58,559	

Excavation, Class 10, Waste		
Stage 1	0	[11]
Stage 2	0	[11]
Stage 3	0	[11]
Stage 4	24,290	[11]
Total	24,290	

Embankment in Place, Contractor Furnished		
Stage 1	2,248	[11] / 1.3
Stage 2	180,485	[11] / 1.3
Stage 3	13,643	[11] / 1.3
Stage 4	0	[11] / 1.3
Total	196,377	

Topsoil, Strip & Stockpile		
Stage 1	1,589	[17]
Stage 2	4,906	[17]
Stage 3	0	
Stage 4	0	
Total	6,495	

Topsoil, Strip, Salvage & Spread		
Stage 1	0	
Stage 2	11,741	[16]
Stage 3	7,820	[16]
Stage 4	18,689	[16]
Total	38,251	

Topsoil, Furnish & Spread		
Stage 1	0	
Stage 2	0	
Stage 3	0	
Stage 4	9,907	[17] / 1.4
Total	9,907	

Topsoil, Spread		
Stage 1	0	
Stage 2	0	
Stage 3	5,057	[17]
Stage 4	1,438	
Total	6,495	

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