

04-26-2019 LETTING ITEM 051

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76H14		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 690 (IL 160)  
SECTION (481,482)RS-4  
PROJECT STP - UNBK(521)  
RESURFACING - 3P  
CLINTON COUNTY  
C-98-039-14



FROM IL 161 TO DAMIANSVILLE ROAD (C.H. 8)  
2017 ADT = 3350 (ACTUAL)  
2019 ADT = 3400 (ESTIMATED)  
2039 ADT = 4200 (ESTIMATED)  
SU = 3.9% MU = 7.5%

FROM DAMIANSVILLE ROAD (C.H. 8) TO IL 177  
2017 ADT = 1750 (ACTUAL)  
2019 ADT = 1800 (ESTIMATED)  
2039 ADT = 2200 (ESTIMATED)  
SU = 8.0% MU = 2.9%

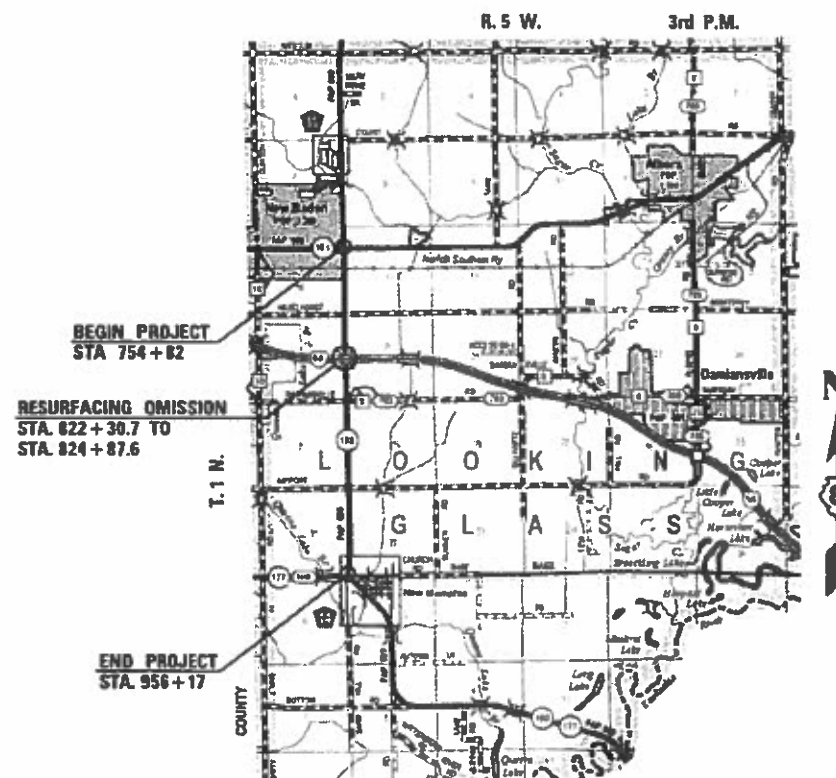


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-8123  
OR 811

PROJECT ENGINEER: HERVE GELIN 618-346-3179  
PROJECT MANAGER: BILLIE OWEN 618-346-3209

CONTRACT NO. 76H14



BEGIN: LAT. 38.53489 LONG. -89.68652  
END: LAT. 38.48025 LONG. -89.68661

**LOCATION MAP**

GROSS LENGTH OF PROJECT = 20135.00 FEET = 3.81 MILES  
NET LENGTH OF PROJECT = 19852.6 FEET = 3.76 MILES

SCALE: 1" = 2 MILES



Christopher P. Kohlman 1/17/19  
EXPIRATION: 11/30/2019

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Jan 18, 2019*  
*Keith Roberts*  
REGIONAL ENGINEER

*March 22, 2019*  
*A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

*March 22, 2019*  
*Paul P. Chif*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS.

UTILITY	ABOVE GROUND	BELOW GROUND
• AMEREN ILLINOIS	X	X
• CHARTER COMMUNICATIONS	X	X
• CLINTON COUNTY ELECTRIC COOPERATIVE, INC.	X	X
• FRONTIER NORTH, INC.	X	X
• VERIZON BUSINESS	X	X
• VILLAGE OF NEW BADEN		X
• NEW MEMPHIS PUBLIC WATER DISTRICT		X
• MCLEOD TELECOMMUNICATIONS SERVICES, LLC	X	X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE CONSIDERED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

3. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

4. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

5. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

6. THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

7. THE VARIOUS THICKNESS OF HOT-MIX ASPHALT SURFACE REMOVAL SHOWN ON THE PLANS IS THE AVERAGE THICKNESS BASED UPON CONTROLLING THICKNESS AS INDICATED. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE. HOT-MIX ASPHALT SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.

8. THE LOCATIONS OF THE REPAIR AREAS AS SHOWN IN THE PLANS ARE APPROXIMATE LOCATIONS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

9. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.

10. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.

11. ALL DISTURBED EMBANKMENT AREAS SHALL BE SEEDED WITH CLASS 2A SEED, FERTILIZER AND MULCH AS PER SECTION 250.04 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST FOR PERFORMING THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR FURNISHED EXCAVATION.

12. THE INTENT OF THE MILLING IS TO REMOVE THE HMA RESURFACING ONLY, THE UNDERLYING CONCRETE SHALL NOT BE DISTURBED.

13. A NOTCHED WEDGE LONGITUDINAL JOINT SHALL BE USED BETWEEN SUCCESSIVE PASSES OF HMA SURFACE COURSE THAT HAS A DIFFERENCE IN ELEVATION OF GREATER THAN 2 IN. BETWEEN LANES ON PAVEMENT THAT IS OPEN TO TRAFFIC. THE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

14. THE USE OF A MATERIAL TRANSFER DEVICE SHALL BE PERMITTED FOR THE PAVING OPERATIONS OF THIS PROJECT. HOWEVER, THE MATERIAL TRANSFER DEVICE SHALL BE EMPTY WHEN PASSING OVER THE FOLLOWING STRUCTURES:

014-0036  
014-2484  
014-2485

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

HOT-MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
HOT-MIX ASPHALT MATERIALS (TACK COAT)	0.05 LB./SQ. FT. (ON PAVEMENT)
HOT-MIX ASPHALT MATERIALS (PRIME COAT)	0.25 LB./SQ. FT. (ON AGG)
HOT-MIX ASPHALT MATERIALS (TACK COAT)	0.025 LB./SQ. FT. (BETWEEN HMA LIFTS)
AGGREGATE MATERIAL	2.05 TON/CU. YD.
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
- 3 - 5 SUMMARY OF QUANTITIES
- 6 - 7 TYPICAL SECTIONS
- 8 LINE DIAGRAM
- 9 - 11 SCHEDULE OF QUANTITIES
- 12 ENTRANCE & TAPER DETAILS
- 13 - 14 GUARDRAIL DETAILS

**HIGHWAY STANDARDS**

000001-07	701201-05
001006	701306-04
406201-01	701311-03
442201-03	701336-07
630001-12	701901-08
630301-09	725001-01
631031-15	780001-05
701006-05	781001-04
701011-04	782006

**MIXTURE REQUIREMENT CHART**

MIXTURE USE	SURFACE	INCIDENTAL HMA	PATCHING	LEVELING BINDER
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
RAP % (MAX)	SEE SPEC. PROV.	SEE SPEC. PROV.	SEE SPEC. PROV.	SEE SPEC. PROV.
MIX COMPOSITION				
(GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 19.0	IL 9.5 FG
FRICTION AGG	MIXTURE "C"	MIXTURE "C"	MIXTURE "B"	MIXTURE "C"
QUALITY MGMT PROGRAM	QCP	QC/OA	QC/OA	QCP

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

PAVEMENT PATCHES SHALL BE Poured TO THE FULL DEPTH OF EXISTING PAVEMENT, WHICH MAY EXCEED THE NOMINAL DEPTH SHOWN IN THE PLANS.

**COMMITMENTS**

NONE



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS,  
GENERAL NOTES & COMMITMENTS

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	2
CONTRACT NO.			76H14	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				ROADWAY	
				0005	
				RURAL	
20400800	FURNISHED EXCAVATION	CU YD	560		560
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	37779		37779
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	3861		3861
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	188		188
40600990	TEMPORARY RAMP	SQ YD	287		287
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	4634		4634
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	30		30
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	55147		55147
44200094	PAVEMENT PATCHING, TYPE II, 8 INCH	SQ YD	61		61
44200099	PAVEMENT PATCHING, TYPE III, 8 INCH	SQ YD	39		39
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	679		679
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	50		50
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1462.5		1462.5
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4		4

\* SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	3
CONTRACT NO. 76H14			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	RURAL
				80% FED 20% STATE	
				0005	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	14		14
63200310	GUARDRAIL REMOVAL	FOOT	1762		1762
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3		3
67100100	MOBILIZATION	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3632		3632
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1210		1210
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	122.4		122.4
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	46963		46963
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	75		75
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	14		14
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122.4		122.4

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				ROADWAY	
				0005	
				RURAL	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	46963		46963
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	75		75
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1028		1028
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	249		249
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	38		38
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	249	249
•	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19853	19853
•	Z0034105	MATERIAL TRANSFER DEVICE	TON	8495	8495
•	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
∅	Z0076600	TRAINEES	HOUR	500	500
•	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4	4
∅	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
•	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	16132	16132

• SEE SPECIAL PROVISIONS

∅ 0042

\* SPECIALTY ITEM



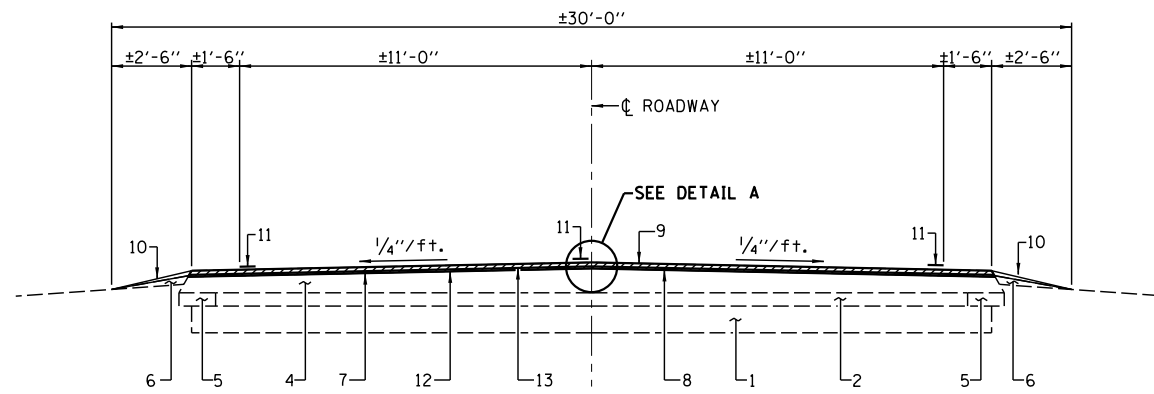
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

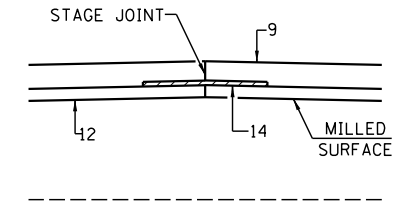
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H14	

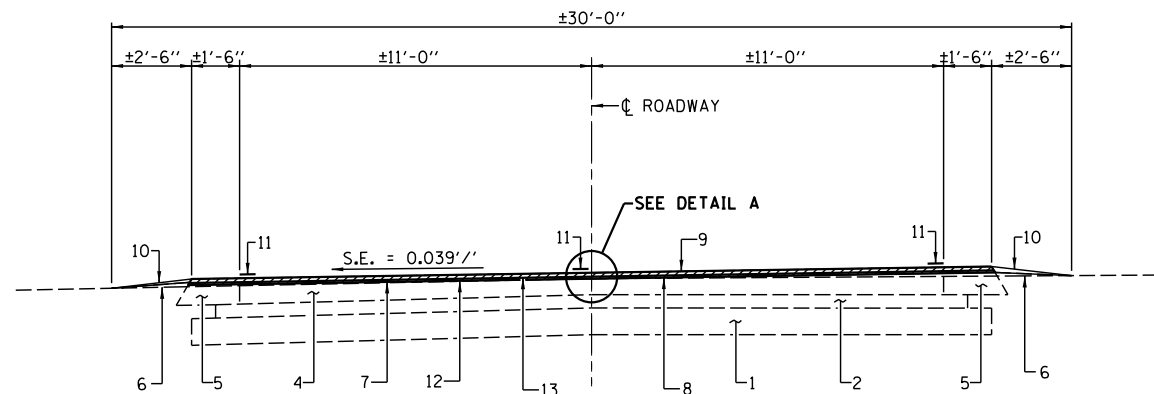


**TYPICAL SECTION #1**

STA. 754+82 TO STA. 811+48.3  
 STA. 828+23 TO STA. 854+82  
 STA. 857+98 TO STA. 893+95  
 STA. 897+45 TO STA. 911+39.5  
 STA. 915+14.5 TO STA. 944+01.77  
 STA. 955+88.4 TO STA. 956+23.0

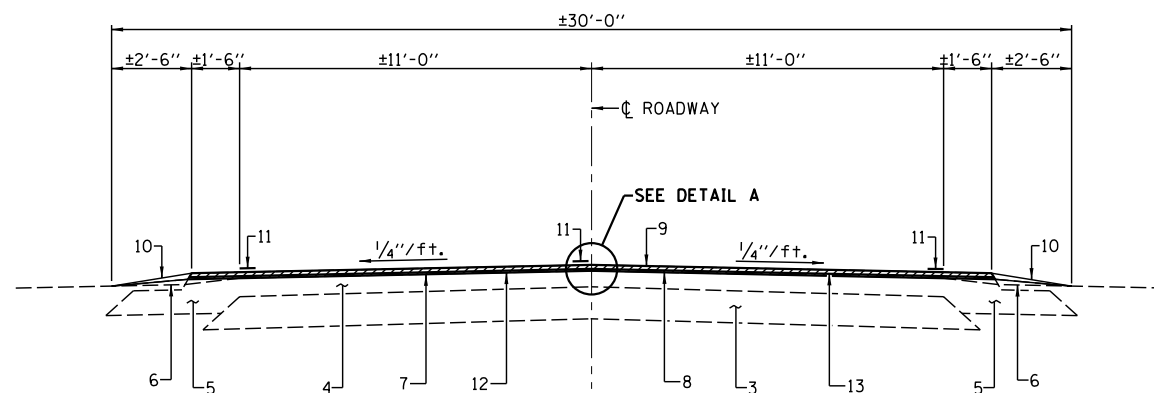


**DETAIL A**



**TYPICAL SECTION #2**

STA. 944+01.77 TO STA. 955+88.4



**TYPICAL SECTION #3**

STA. 811+48.3 TO STA. 819+99.4

- INDICATES HMA SURFACE REMOVAL

**PAVEMENT LEGEND**

1. EX SUB-BASE GRANULAR MATERIAL 10"
2. EX GRAVEL OR CRUSHED STONE BASE COURSE 5"
3. EX AGGREGATE BASE COURSE 12"
4. EX HMA OVERLAYS 6" - 7"
5. EX HMA SHOULDERS 6"
6. EX AGG SHOULDERS TYPE B
7. PR HMA SURF REM. 2 3/4"
8. PR BIT MATERIAL (TACK COAT)
9. PR HMA SURFACE COURSE MIX C, N70 1 1/2"
10. PR AGG WEDGE SHOULDER, TYPE B
11. PR THERMOPLASTIC PAVEMENT MARKING 4"
12. PR HMA LEVELING BINDER 1 1/4"
13. PR BIT MATERIAL (TACK COAT) BETWEEN HMA LIFTS
14. PR LONGITUDINAL JOINT SEALANT



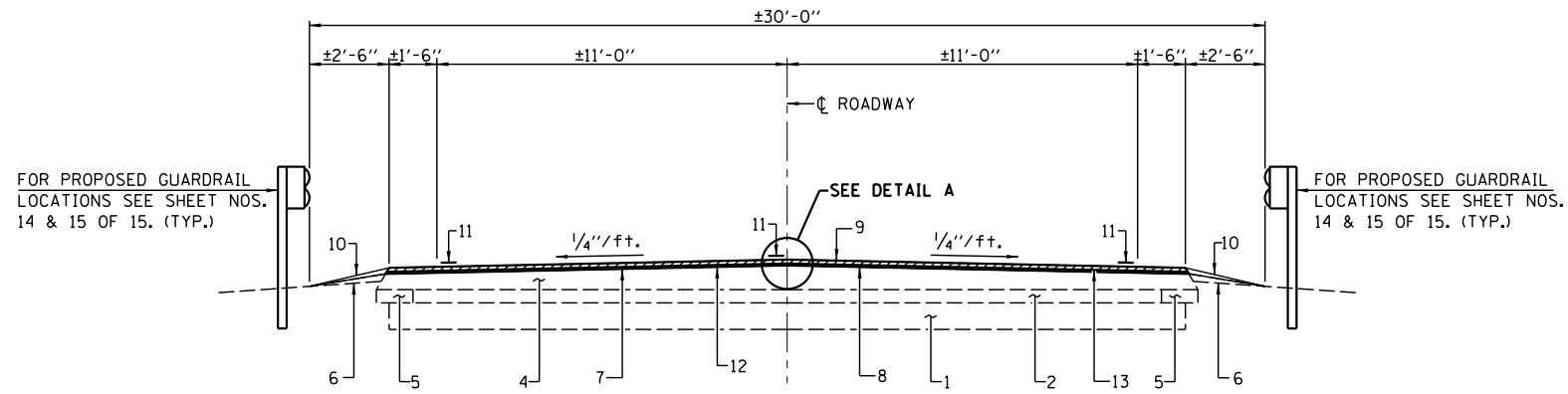
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL ROADWAY SECTIONS

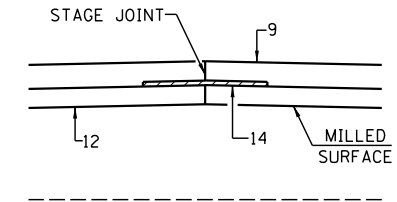
SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	6
				CONTRACT NO. 76H14
ILLINOIS FED. AID PROJECT				

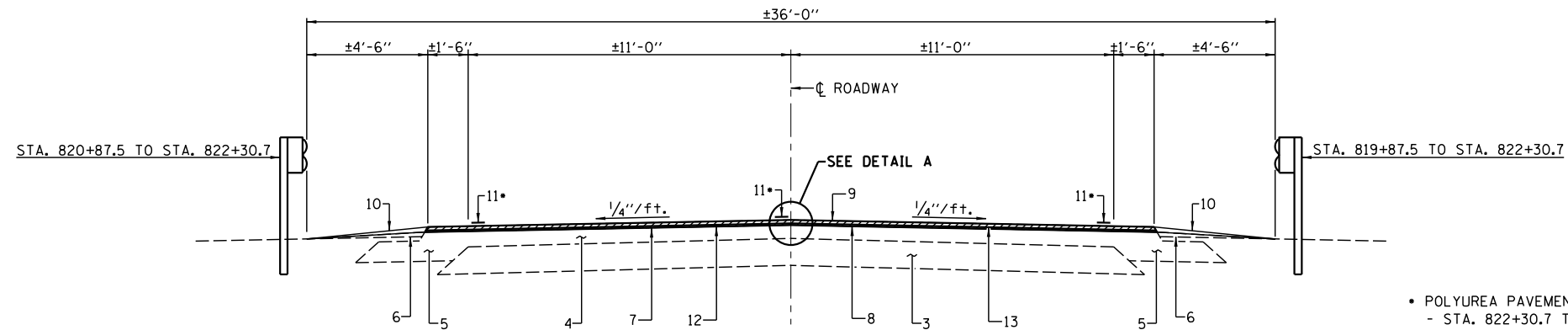


**TYPICAL SECTION #4**

STA. 854+82 TO STA. 857+98  
 STA. 893+95 TO STA. 897+45  
 STA. 911+39.5 TO STA. 915+14.5



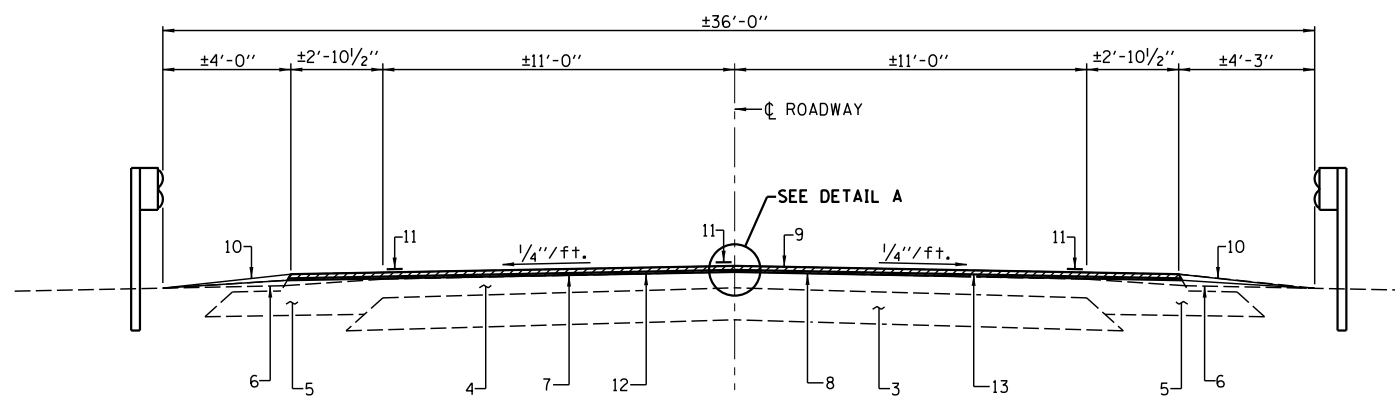
**DETAIL A**



**TYPICAL SECTION #5**

STA. 819+99.4 TO STA. 822+30.7  
 BRIDGE OMISSION - STA. 822+30.7 TO STA. 824+87.6

• POLYUREA PAVEMENT MARKING-LINE 4"  
 - STA. 822+30.7 TO STA. 824+87.6



**TYPICAL SECTION #6**

STA. 824+87.6 TO STA. 828+23

- INDICATES HMA SURFACE REMOVAL

**PAVEMENT LEGEND**

1. EX SUB-BASE GRANULAR MATERIAL 10"
2. EX GRAVEL OR CRUSHED STONE BASE COURSE 5"
3. EX AGGREGATE BASE COURSE 12"
4. EX HMA OVERLAYS 6" - 7"
5. EX HMA SHOULDERS 6"
6. EX AGG SHOULDERS TYPE B
7. PR HMA SURF REM. 2 3/4"
8. PR BIT MATERIAL (TACK COAT)
9. PR HMA SURFACE COURSE MIX C, N70 1 1/2"
10. PR AGG WEDGE SHOULDER, TYPE B
11. PR THERMOPLASTIC PAVEMENT MARKING 4"
12. PR HMA LEVELING BINDER 1 1/4"
13. PR BIT MATERIAL (TACK COAT) BETWEEN HMA LIFTS
14. PR LONGITUDINAL JOINT SEALANT



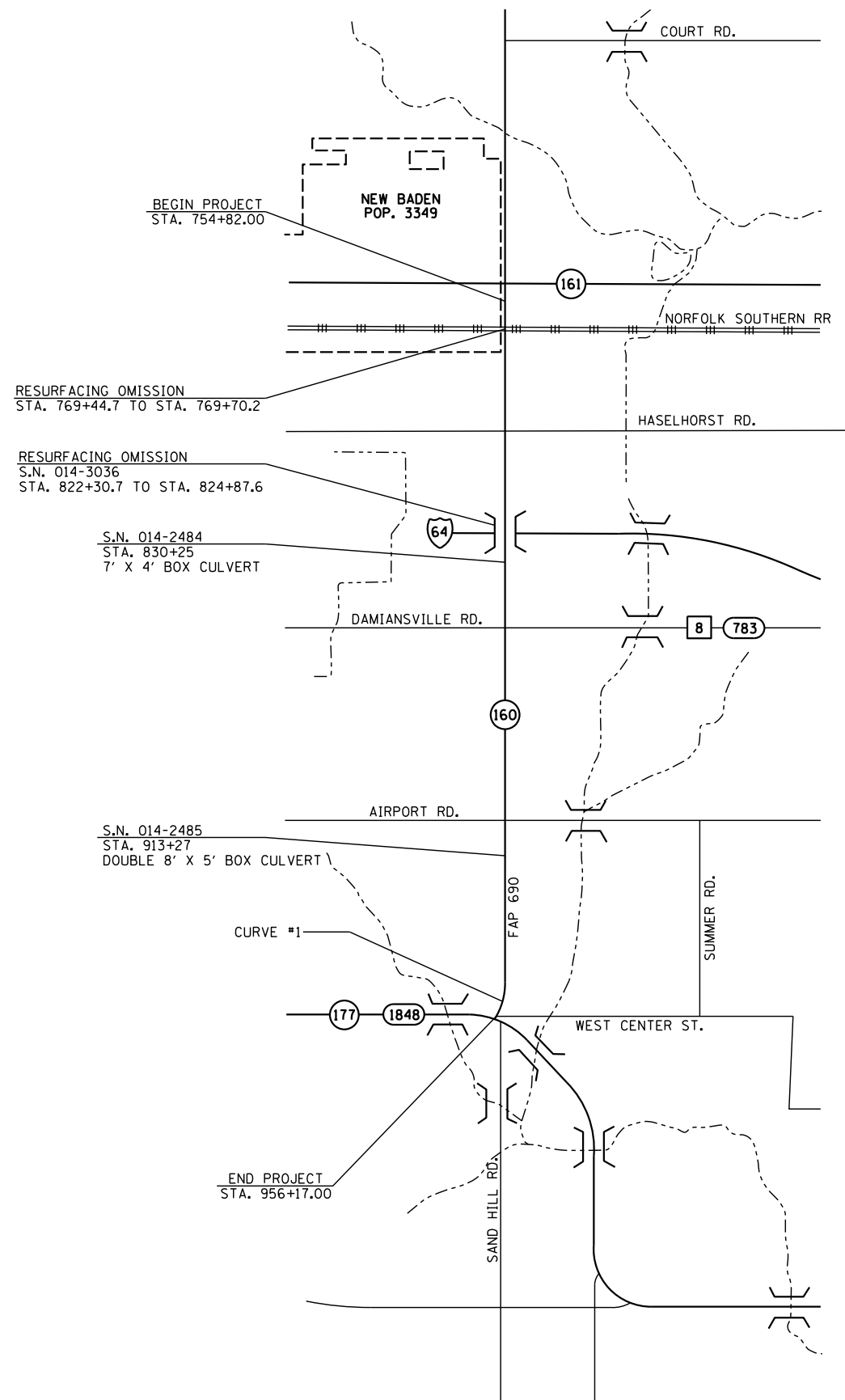
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TYPICAL ROADWAY SECTIONS

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	7
CONTRACT NO. 76H14				
ILLINOIS FED. AID PROJECT				



**CURVE #1**  
 P.I. STA. 950+16.20  
 $\Delta = 19^{\circ}-04'-00''$   
 $D = 2^{\circ}-00'-00''$   
 $T = 481.1'$   
 $R = 2864.79'$   
 $L = 953.30'$   
 $E = 40.1'$   
 $SE = 0.03 \text{ FT/FT}$   
 P.C. STA. 945+35.10  
 P.T. STA. 954+88.40  
 SA: STA. 944+01.77 TO STA. 946+01.77  
 STA. 953+88.40 TO STA. 955+88.40

SIDE ROAD	STATION
HASELHORST RD.	796+39
DAMIANSVILLE RD.	849+43
AIRPORT RD.	902+36
CHURCH RD.	955+69



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LINE DIAGRAM**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. 754+82 TO STA. 956+17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	8
				<b>CONTRACT NO. 76H14</b>
ILLINOIS FED. AID PROJECT				



TEMP. RAMP / BUTT JOINT SCHEDULE SIDE ROADS							
LOCATION	LENGTH		WIDTH	BIT. MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACING	TEMPORARY RAMP	HMA SURFACE REMOVAL BUTT JOINT
	FEET						
	A	B	FEET	POUND	TON	SQ. YD.	SQ. YD.
STA. 754+82 TO STA. 754+87	5		25			14	
STA. 760+21 RT. VETERANS MEMORIAL DR.	69	82	3	76	4	26	26
STA. 769+39 LT. HASELHORST RD.	73	87	3	78	4	27	27
STA. 769+39 RT. HASELHORST RD.	53	64	3	59	3	20	20
STA. 769+39.70 TO STA. 769+44.70	5		25			14	
STA. 769+70.20 TO STA. 769+75.20	5		25			14	
STA. 822+25.70 TO STA. 822+30.70	5		25			14	
STA. 824+87.60 TO STA. 824+92.60	5		27.5			15	
STA. 849+43 LT. DAMIANVILLE RD.	62	74	3	68	4	23	23
STA. 849+43 RT. DAMIANVILLE RD.	55	70	3	63	3	21	21
STA. 902+36 LT. AIRPORT RD.	73	87	3	80	4	27	27
STA. 902+36 RT. AIRPORT RD.	59	70	3	65	4	22	22
STA. 954+72 TO STA. 954+77	5		25			14	
STA. 955+69 LT. WEST CENTER ST.	58	70	3	64	4	22	22
STA. 956+12 TO STA. 956+17	5		25			14	
TOTAL				553	30	287	188

MAINLINE RESURFACING SCHEDULE						
LOCATION	HMA SURFACE REMOVAL, 2 3/4"	BIT. MATERIALS (TACK COAT)	HMA SURFACE COURSE MIX C, N70	HMA LEVELING BINDER	MATERIAL TRANSFER DEVICE	LONGITUDINAL JOINT SEALANT
	SQ. YD.	POUND	TON	TON	TON	FOOT
STA. 754+82 TO STA. 769+44.7	4063	2744	342	285	627	1463
STA. 769+70.2 TO STA. 822+30.7	14613	9864	1228	1023	2251	5261
STA. 824+87.6 TO STA. 956+17	36471	24618	3064	2553	5617	13129
SUB-TOTAL		37226				
RAMP/BUTT JOINT (FROM SCHEDULE)		553				
TOTAL	55147	37779	4634	3861	8495	19853

PAVEMENT PATCHING					
LOCATION		LENGTH	WIDTH	THK 8"	THK 8"
STATION				TYPE II	TYPE II
	RT/LT	FT.	FT.	SQ. YD.	SQ. YD.
780+69	LT	4.00	12.00	5.3	
789+40	LT	10.00	12.00	13.3	
809+94	LT	4.00	12.00	5.3	
818+13	LT	4.00	12.00	5.3	
830+53.50	LT	6.00	12.00	8.0	
864+33	LT	6.00	12.00	8.0	
897+33	LT	12.00	12.00		16.0
920+50.50	LT	12.00	12.00		16.0
936+34.50	LT	4.00	12.00	5.3	
SUB-TOTAL				50.7	32.0
ANTICIPATED FAILURES (20%)				10.1	6.4
TOTAL				60.8	38.4
ROUNDING				61	39

FURNISHED EXCAVATION SCHEDULE	
LOCATION	QUANTITY (CU. YD.)
STA. 819+54 TO STA. 820+38 RT.	40
STA. 820+54 TO STA. 821+38 LT.	40
STA. 825+81 TO STA. 826+65 RT.	40
STA. 826+81 TO STA. 827+65 LT.	40
STA. 854+48 TO STA. 855+32 RT.	40
STA. 854+51 TO STA. 855+35 LT.	40
STA. 857+44 TO STA. 858+28 RT.	40
STA. 857+48 TO STA. 858+32 LT.	40
STA. 893+98 TO STA. 894+82 LT.	40
STA. 896+95 TO STA. 897+79 LT.	40
STA. 911+04 TO STA. 911+88 RT.	40
STA. 911+43 TO STA. 912+27 LT.	40
STA. 914+27 TO STA. 915+11 RT.	40
STA. 914+64 TO STA. 915+48 LT.	40
TOTAL	560 •

• THIS QUANTITY IS AN ESTIMATE FOR THE BUILDUP OF THE EMBANKMENT FOR THE TRAFFIC BARRIER TERMINAL TYPE I (SPECIAL) TANGENT PER STANDARD 630301



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

QUANTITY SCHEDULES		
SCALE:	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	9
CONTRACT NO. 76H14			ILLINOIS FED. AID PROJECT	

**GUARDRAIL SCHEDULE**

LOCATION	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT EACH	STEEL PLATE BEAM GUARDRAIL TYPE A 9' POSTS FOOT	STEEL PLATE BEAM GUARDRAIL TYPE A 6' POSTS FOOT	TRAFFIC BARRIER TERMINAL TYPE 6 EACH	GUARDRAIL MARKERS, TYPE A EACH	TERMINAL MARKERS- DIRECT APPLIED EACH
STA. 819+93.8 TO STA. 820+93.8 RT.	1				1	1
STA. 820+43.8 TO STA. 821+93.8 RT.		150			2	
STA. 821+93.8 TO STA. 822+30.7 RT.				1	1	
STA. 820+93.8 TO STA. 821+43.8 LT.	1				1	1
STA. 821+43.8 TO STA. 821+93.8 LT.		50			2	
STA. 821+93.8 TO STA. 822+30.7 LT.				1	1	
STA. 824+87.6 TO STA. 825+24.5 RT.				1	1	
STA. 825+24.5 TO STA. 825+74.5 RT.		50			2	
STA. 825+74.5 TO STA. 826+24.5 RT.	1				1	1
STA. 824+87.6 TO STA. 825+24.5 LT.				1	1	
STA. 825+24.5 TO STA. 826+74.5 LT.		150			2	
STA. 826+74.5 TO STA. 827+24.5 LT.	1				1	1
STA. 854+82 TO STA. 855+32 RT.	1				1	1
STA. 855+32 TO STA. 857+44.5 RT.		212.5			2	
STA. 857+44.5 TO STA. 857+94.5 RT.	1				1	1
STA. 854+85.5 TO STA. 855+35.5 LT.	1				1	1
STA. 855+35.5 TO STA. 857+48 LT.		212.5			2	
STA. 857+48 TO STA. 857+98 LT.	1				1	1
STA. 894+32.5 TO STA. 894+82.5 LT.	1				1	1
STA. 894+82.5 TO STA. 896+95 LT.		212.5			2	
STA. 896+95 TO STA. 897+45 LT.	1				1	1
STA. 911+39.5 TO STA. 911+89.5 RT.	1				1	1
STA. 911+89.5 TO STA. 913+08.25 RT.		118.75			1	
STA. 913+08.25 TO STA. 913+33.25 RT.			25		1	
STA. 913+33.25 TO STA. 914+27 RT.		93.75			1	
STA. 914+27 TO STA. 914+77 RT.	1				1	1
STA. 911+77 TO STA. 912+27 LT.	1				1	1
STA. 912+27 TO STA. 913+20.75 LT.		93.75			1	
STA. 913+20.75 TO STA. 913+45.75 LT.			25		1	
STA. 913+45.75 TO STA. 914+64.5 LT.		118.75			1	
STA. 914+64.5 TO STA. 915+14.5 LT.	1				1	1
TOTAL	14	1462.5	50	4	38	14

**GUARDRAIL REMOVAL**

LOCATION	QUANTITY (FOOT)
STA. 820+86.7 TO STA. 822+30.7 LT.	144
STA. 819+99.7 TO STA. 822+30.7 RT.	231
STA. 824+87.6 TO STA. 826+31.6 RT.	144
STA. 824+87.6 TO STA. 827+18.6 LT.	231
STA. 855+52 TO STA. 857+52 LT.	200
STA. 855+26 TO STA. 857+26 RT.	200
STA. 894+70 TO STA. 896+70 LT.	200
STA. 912+32 TO STA. 913+38 LT.	206
STA. 912+17 TO STA. 913+23 RT.	206
TOTAL	1762



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**QUANTITY SCHEDULES**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	10
CONTRACT NO. 76H14			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING SCHEDULE**

LOCATION	LENGTH	THERMOPLASTIC PAVEMENT MARKING					TEMPORARY PAVEMENT MARKING					RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS	SHORT TERM PAVEMENT MARKING (2 APPLIC.)	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING REMOVAL
		4"		24"		LETTERS AND SYMBOLS	4"		24"		LETTERS AND SYMBOLS					
		SOLID WHITE EDGE LINE	SKIP-DASH YELLOW CENTERLINE	SOLID YELLOW CENTERLINE	SOLID WHITE STOP BARS		SOLID WHITE EDGE LINE	SKIP-DASH YELLOW CENTERLINE	SOLID YELLOW CENTERLINE	SOLID WHITE STOP BARS						
		FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	FOOT	SO FT					
STA. 754+82 TO STA. 760+62	580	1078	150				1078	150				7	7	104	35	409
STA. 760+62 TO STA. 767+45	683	1366	170				1366	170				8	8	128	43	512
STA. 767+45 TO STA. 769+53	208	416	50 LT.	208 RT.			416	50 LT.	208 RT.			3	3	40	13	225
STA. 769+62 TO STA. 771+70	208	416	50 RT.	208 LT.			416	50 RT.	208 LT.			3	3	40	13	225
STA. 771+70 TO STA. 796+82	2512	4852	630				4852	630				31	31	456	152	1826
STA. 796+82 TO STA. 810+25	1343	2686	340				2686	340				17	17	248	83	1008
STA. 810+25 TO STA. 820+25	1000	2000	500 LT.	1000 RT.			2000	500 LT.	1000 RT.			13	13	184	61	1166
STA. 820+25 TO STA. 822+31	206	412		206 LT. & RT.			412		206 LT. & RT.			3	3	40	13	276
STA. 824+88 TO STA. 833+25	837	1674	210 RT.	837 LT.			1674	210 RT.	837 LT.			10	10	152	51	906
STA. 833+25 TO STA. 849+78	1653	3166	420				3166	420				21	21	304	101	1194
STA. 849+78 TO STA. 901+93	5293	10430	1320				10430	1320				66	66	960	320	3913
STA. 902+71 TO STA. 956+17	5346	10622	1340				10622	1340				67	67	976	325	3983
STOP BARS																
STA. 767+45 RT						12.5					12.5					4
STA. 767+95 RT						12.5					12.5					4
STA. 769+45 RT						12.5					12.5					4
STA. 769+70 LT						12.5					12.5					4
STA. 771+20 LT						12.5					12.5					4
STA. 771+70 LT						12.5					12.5					4
RAILROAD CROSSING																
STA. 767+70 RT						61.2					61.2					61
STA. 771+25 LT						61.2					61.2					61
SUB-TOTAL		39118	5180	2665			39118	5180	2665							
TOTAL			46963		75	122.4		46963		75	122.4	249	249	3632	1210	15789

SURVEY MONUMENTS SCHEDULE	
LOCATION	QUANTITY (EACH)
NOTE: STATIONS ARE APPROXIMATE	
S.E. CORNER SEC. 18 - STA. 769+39 4' RT.	1
S.E. CORNER SEC. 19 - STA. 849+43 0' RT.	1
S.E. CORNER SEC. 30 - STA. 902+36 0' RT.	1
E. QUARTER CORNER SEC. 31 - STA. 923+88 0' RT.	1
TOTAL	4

AGGREGATE WEDGE SHOULDERS, TYPE B	
LOCATION	QUANTITY (TON)
STA. 754+82 TO STA. 769+44.7	50
STA. 769+70.2 TO STA. 822+30.7	174
STA. 824+87.6 TO STA. 956+17	455
TOTAL	679

POLYUREA PAVEMENT MARKING-LINE 4" SCHEDULE					
LOCATION	LENGTH	SOLID WHITE EDGE LINE	SKIP DASH YELLOW CENTERLINE	SOLID YELLOW CENTERLINE	TEMPORARY PAVEMENT MARKING REMOVAL
STA. 822+31 TO STA. 824+88	257	514		514	343
		514	0	514	
TOTAL			1028		343

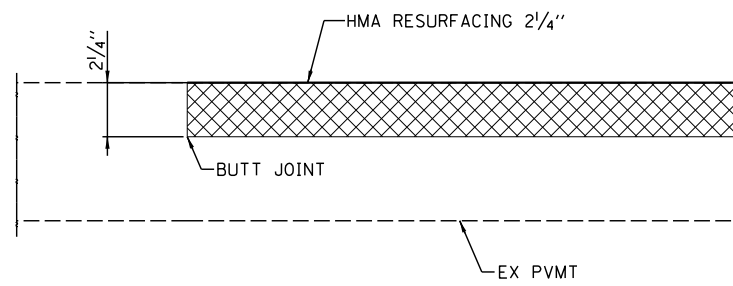


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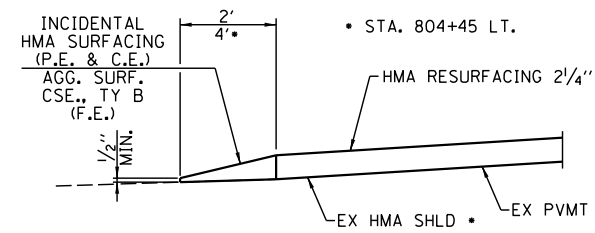
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

QUANTITY SCHEDULES		
SCALE:	SHEET NO. 3 OF 3 SHEETS	STA. TO STA.

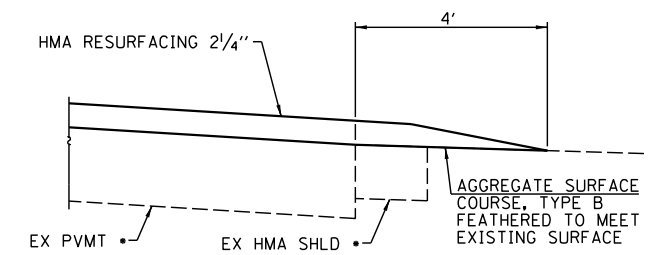
F.A.P. RTE. 690	SECTION (481,482)RS-4	COUNTY CLINTON	TOTAL SHEETS 14	SHEET NO. 11
CONTRACT NO. 76H14			ILLINOIS FED. AID PROJECT	



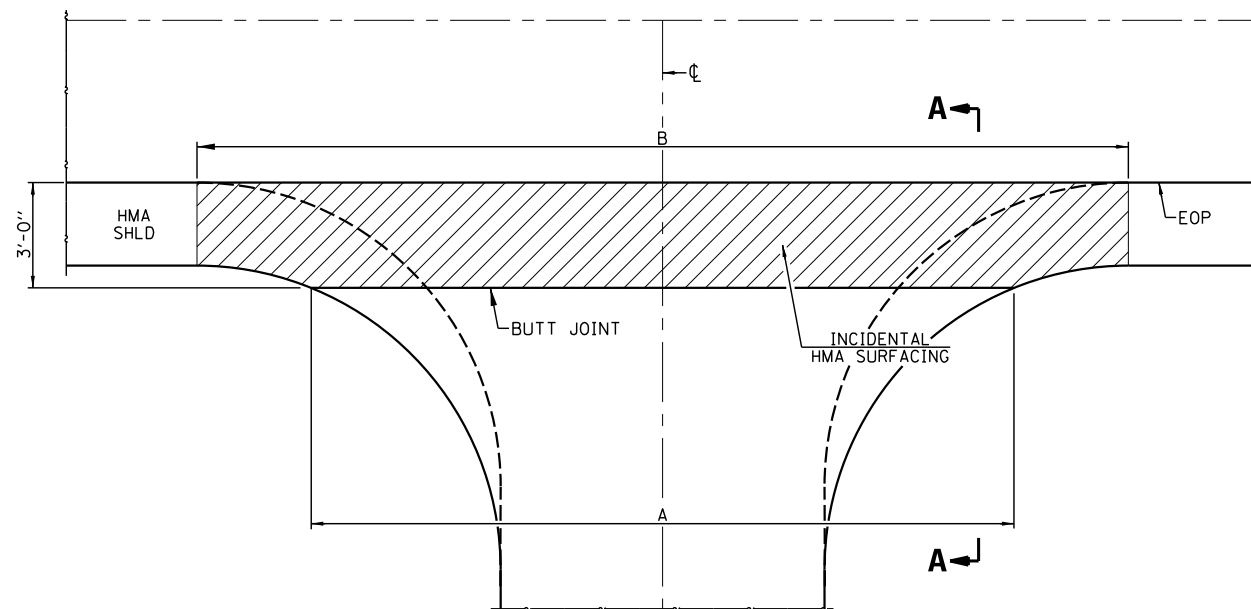
**BUTT JOINT DETAIL**



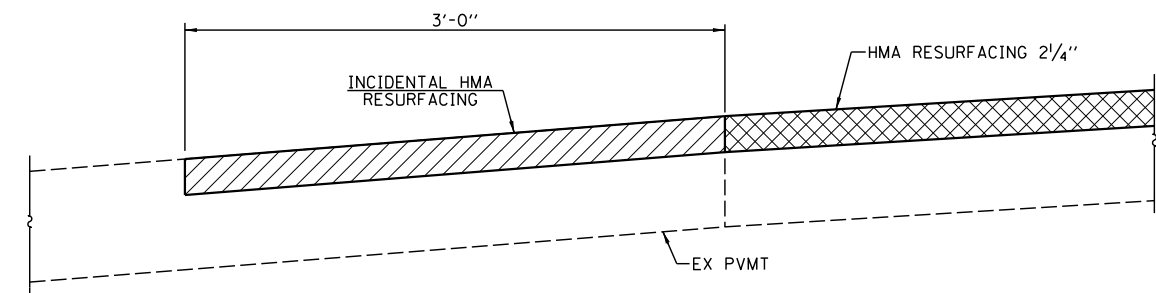
**SECTION B-B**  
(AT C.E. & P.E. LOCATIONS)



**TYPICAL SECTION AT MAILBOX TURNOUT**  
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

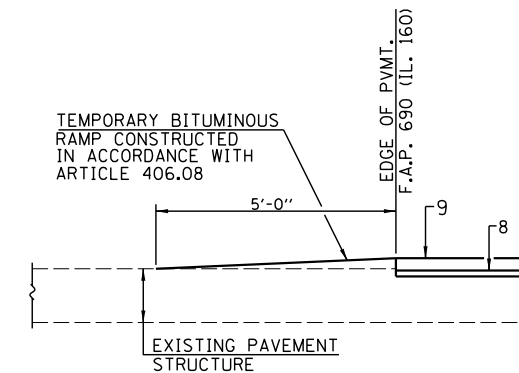


**SIDEROAD & COMMERCIAL ENTRANCE DETAIL**



**SECTION A-A**  
(AT SIDE ROAD LOCATIONS)

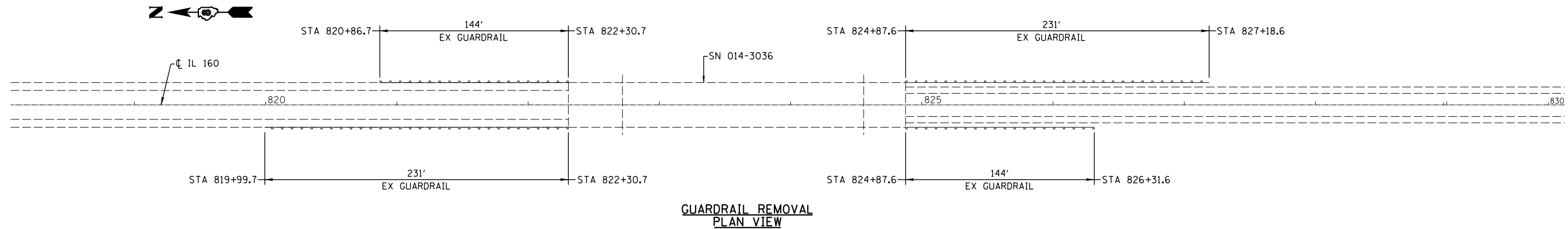
- INDICATES HOT MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
- INDICATES HOT MIX ASPHALT SURFACE REMOVAL 2 1/4"



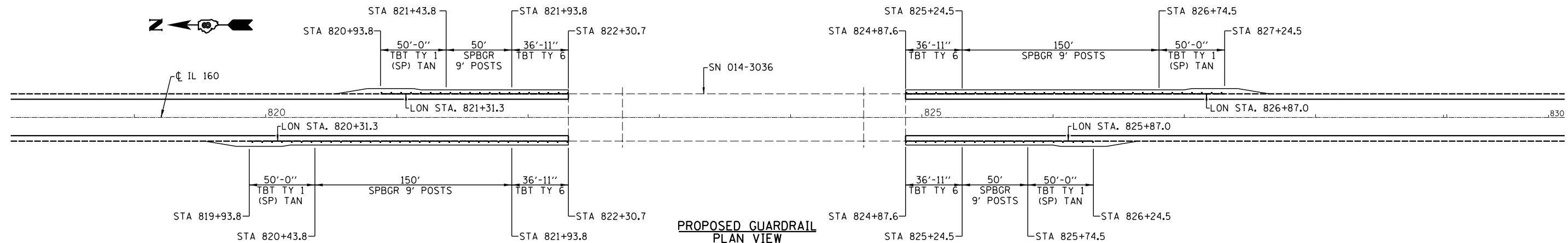
**TEMPORARY RAMP DETAIL**  
(AT ALL SIDEROADS - SEE SCHEDULE)

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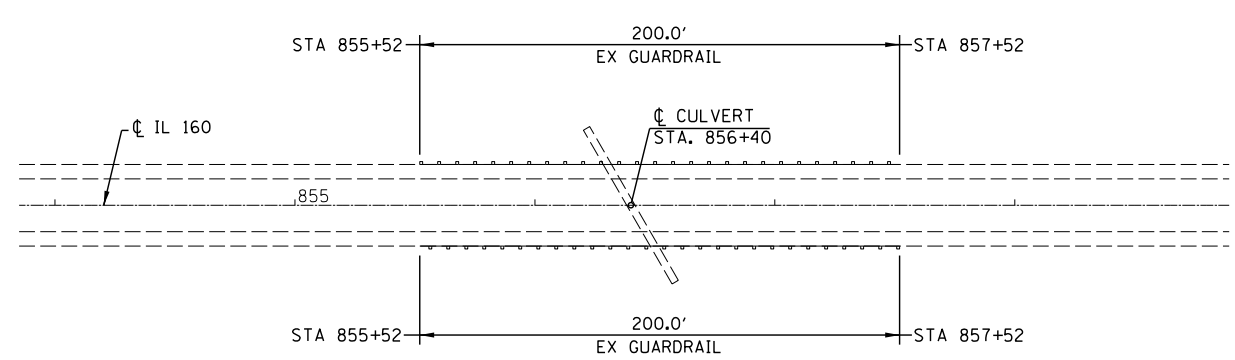
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	12
<b>CONTRACT NO. 76H14</b>				
<small>ILLINOIS FED. AID PROJECT</small>				



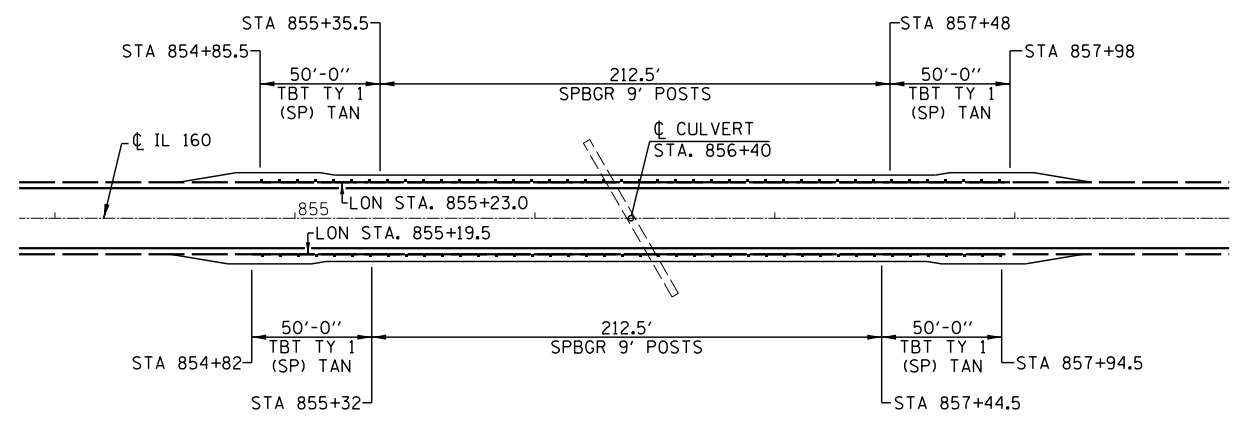
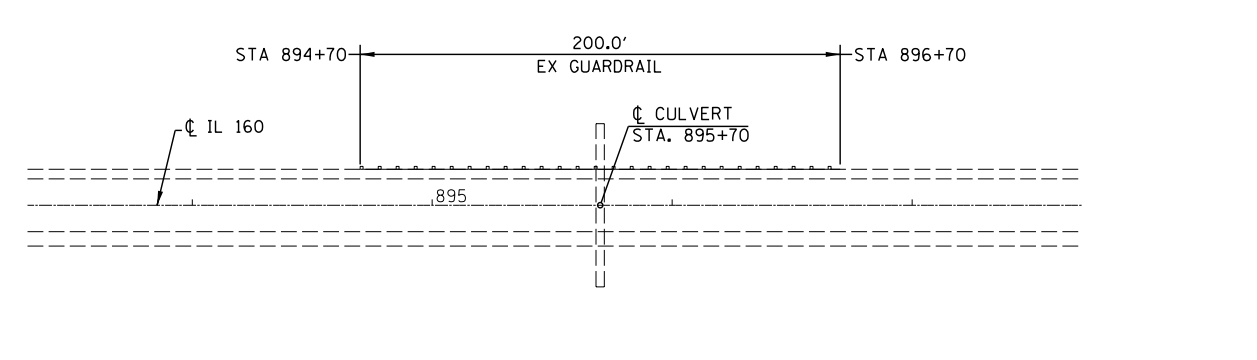
GUARDRAIL REMOVAL  
PLAN VIEW



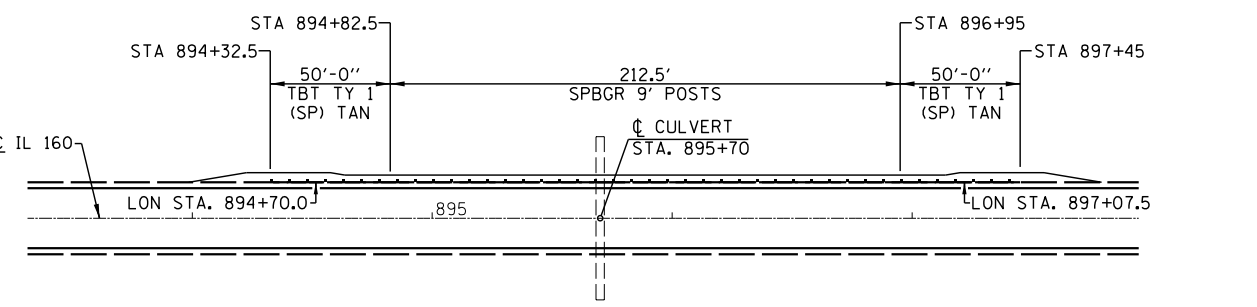
PROPOSED GUARDRAIL  
PLAN VIEW



GUARDRAIL REMOVAL  
PLAN VIEW



PROPOSED GUARDRAIL  
PLAN VIEW

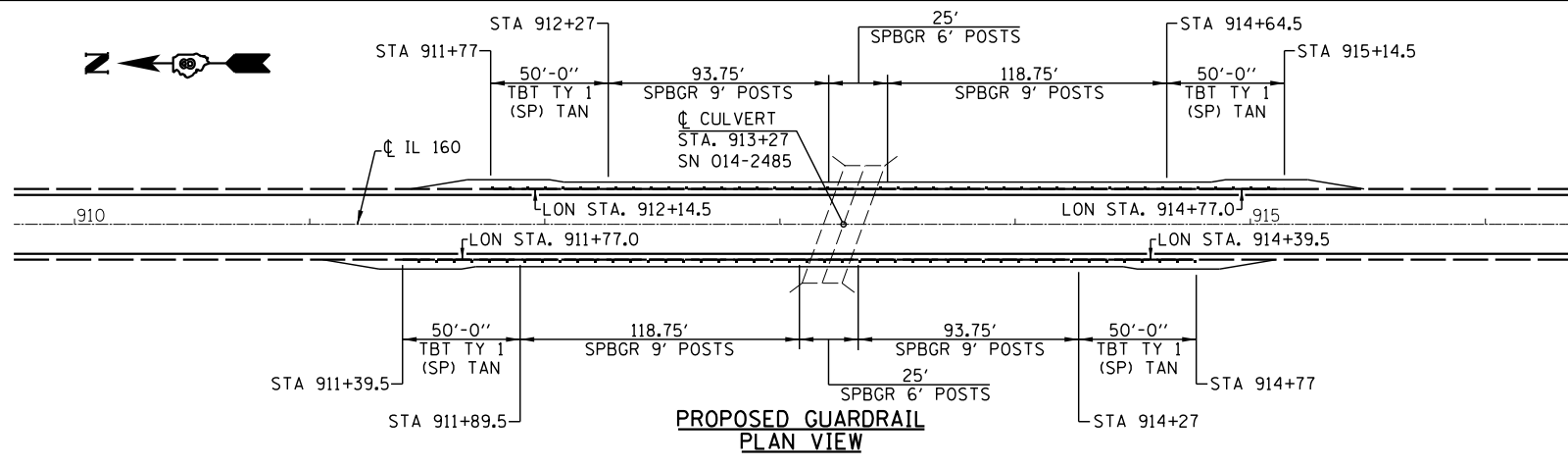
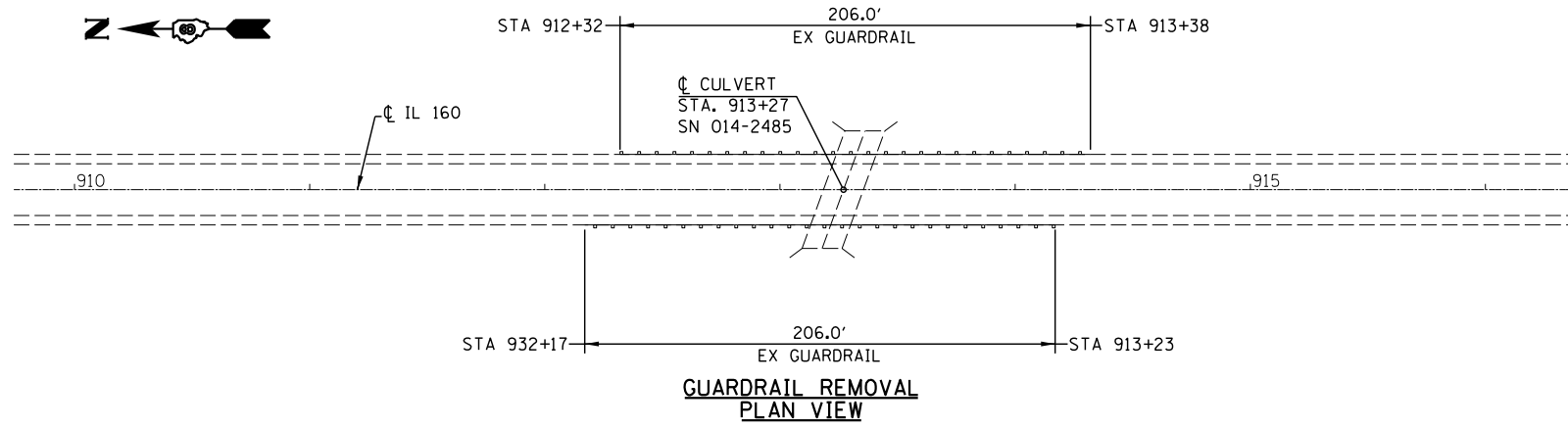


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GUARDRAIL DETAILS		
SCALE:	SHEET NO. 1 OF 2 SHEETS	STA. 754+82 TO STA. 956+17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	13
CONTRACT NO. 76H14				
ILLINOIS FED. AID PROJECT				



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**GUARDRAIL DETAILS**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. 754+82 TO STA. 956+17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(481,482)RS-4	CLINTON	14	14
CONTRACT NO. 76H14			ILLINOIS FED. AID PROJECT	