

093

03-06-2020 LETTING ITEM 083

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	1
		ILLINOIS	CONTRACT NO. 74411	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.P ROUTE 332 (IL 1)
SECTION 13RS-4,(14,15)RS-3
PROJECT NHPP - KB5R(407)
RESURFACING (3P), CULVERT REPAIR
LAWRENCE COUNTY

C-97-125-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2
ADT = 2550 (2017)

STATION EQUATIONS

- STA. 680 + 05.9(BK.) = STA. 680 + 00(AH.)
- STA. 789 + 12(BK.) = STA. 789 + 00(AH.)
- STA. 842 + 35.6(BK.) = STA. 842 + 00(AH.)
- STA. 889 + 67.2(BK.) = STA. 890 + 00(AH.)
- STA. 930 + 09(BK.) = STA. 930 + 00(AH.)
- STA. 954 + 04(BK.) = STA. 954 + 00(AH.)
- STA. 1037 + 10.2(BK.) = STA. 1037 + 00(AH.)
- STA. 1097 + 33.95(BK.) = STA. 1099 + 52(AH.)

BRIDGE OMISSIONS

- STA. 890 + 81 TO STA. 891 + 19
- STA. 1055 + 45.25 TO STA. 1057 + 26.75

RURAL

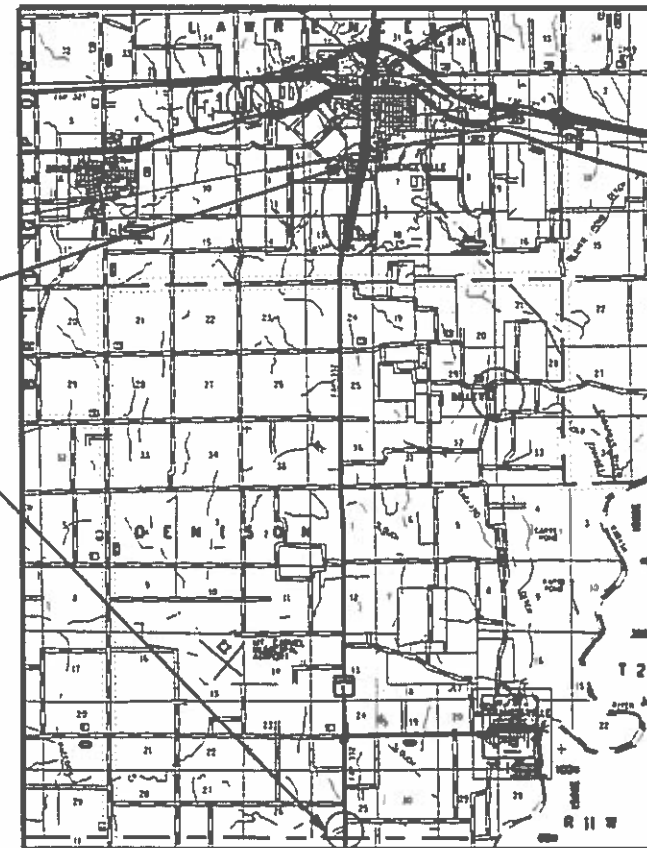
- STA. 602 + 80 TO STA. 1055 + 30.25

URBAN

- STA. 1055 + 30.25 TO STA. 1138 + 51

PROJECT ENDS STA. 1138+51

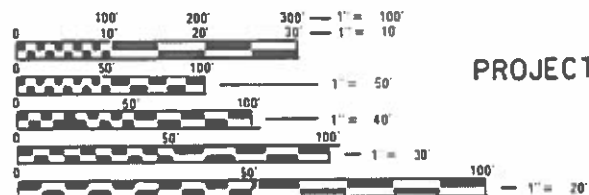
PROJECT BEGINS STA. 602+80



GROSS LENGTH = 53,396.85 FT. = 10.113 MILE
NET LENGTH = 53,177.35 FT. = 10.071 MILE



LOCATION OF SECTION INDICATED THUS: -



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
1-800-892-0123
OR 811

PROJECT ENGINEER: TOM RONAN
PROJECT MANAGER: KALEB HIRTZEL
PHONE: (217) 342-8256
CONTRACT NO. 74411

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 13 2019

Jeffrey P. Myers
REGIONAL ENGINEER

Jan 31 2020
as E.A. ETC
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 31 2020
G. J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8-14	SCHEDULE OF QUANTITIES
15	TIE POINTS
16-33	PLAN SHEETS
34-42	CONSTRUCTION DETAILS
43-48	PAVEMENT MARKING DETAILS
49-51	BOX CULVERT DETAILS
52-54	WINGWALL REPAIR DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 54

STD. NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442201-03	CLASS C AND D PATCHES
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
606301-04	PC CONCRETE ISLANDS AND MEDIANS
631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
631046-04	TRAFFIC BARRIER TERMINAL, TYPE 10
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAT 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS >= 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

THIS PROJECT IS LOCATED ON FAP ROUTE 332 (US 1) IN LAWRENCE COUNTY, FROM ORCHARD STREET IN LAWRENCEVILLE TO THE WABASH COUNTY LINE. THE WORK INCLUDED IN SECTION 13RS-4, (14,15)RS-3 CONSISTS OF PAVEMENT PATCHING, MILLING, HOT-MIX ASPHALT RESURFACING, HOT-MIX ASPHALT SHOULDERS, AGGREGATE WEDGE SHOULDERS, MEDIAN REMOVAL, GUARDRAIL REPLACEMENT, CONCRETE DITCH CHECK REMOVAL, RESHAPE AND RIPRAP DITCH, PAVEMENT MARKING, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

THE DENSITY PORTION OF THE PAY FOR PERFORMANCE SPECIFICATION WILL NOT APPLY TO THE SURFACE COURSE LAID ON TOP OF THE HOT-MIX ASPHALT SAFETY SHOULDERS. WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ALONG THE CENTERLINE BETWEEN THE LAYER OF THE BINDER COURSE AND SURFACE COURSE.

CONSTRUCTION IN THE VICINITY OF HIGHWAY LIGHTING SHALL REQUIRE THE CONTRACTOR TO CONTACT THE DISTRICT'S SIGNAL SYSTEMS ENGINEER, JOSH PORTER, AT 217-342-5677 48 HOURS PRIOR TO ANY EXCAVATION FOR A HIGHWAY LIGHTING LOCATE.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE, MIX "C", N70 (2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	PPF
HMA BINDER COURSE, IL-9.5FG, N70, (1 3/4")	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	PPF
INCIDENTAL HMA SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
PAVEMENT PATCHING	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SURFACE COURSE	2.05 TONS/CU YD
AGGREGATE WEDGE SHOULDERS	2.05 TONS/CU YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 RURAL	0005 URBAN	0004
20200100	EARTH EXCAVATION	CU YD	69	69		
20400800	FURNISHED EXCAVATION	CU YD	55	55		
28100105	STONE RIPRAP, CLASS A3	SQ YD	70	70		
28100107	STONE RIPRAP, CLASS A4	SQ YD	1923	1923		
28200200	FILTER FABRIC	SQ YD	1993	1993		
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1890	1890		
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	1712	1712		
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	178	178		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	469	374	95	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	105988	87141	18847	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	390	390		
40600990	TEMPORARY RAMP	SQ YD	347	291	56	
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	15388	12652	2736	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 RURAL	0005 URBAN	0004
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	17586	14459	3127	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	584	362	222	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	1712	1712		
44000100	PAVEMENT REMOVAL	SQ YD	1695	1695		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	150802	126995	23807	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	4115		4115	
44000300	CURB REMOVAL	FOOT	2228	2228		
44003100	MEDIAN REMOVAL	SQ FT	414	414		
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	2020	1598	422	
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	203	159	44	
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	273	186	87	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2228	2228		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2287	1923	364	
50102400	CONCRETE REMOVAL	CU YD	48.3	43.4	4.9	

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PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	3
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 RURAL	0005 URBAN	0004
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1360	730	630	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SO FT	534	160	374	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	112	112		
54003000	CONCRETE BOX CULVERTS	CU YD	4.9		4.9	
54010303	PRECAST CONCRETE BOX CULVERTS 3' X 3'	FOOT	26	26		
54010404	PRECAST CONCRETE BOX CULVERTS 4' X 4'	FOOT	13	13		
54248510	CONCRETE COLLAR	CU YD	11.1	11.1		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1075	1075		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	100	100		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	10	10		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 RURAL	0005 URBAN	0004
63200310	GUARDRAIL REMOVAL	FOOT	1746	1746		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	8	1	
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	9	8	1	
67100100	MOBILIZATION	L SUM	1	0.8	0.2	
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	7	7		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1		1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	7	7		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	16019	13065	2954	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	4
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				

80% FED
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SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 RURAL	0005 URBAN	0004
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1780	1449	331	*
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	94	94		*
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	139000	116950	22050	*
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1115	1115		*
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	405	405		*
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	758	758		*
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	58	58		*
72000100	SIGN PANEL - TYPE 1	SO FT	45	45		*
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2		*
72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	64.1	64.1		*
72400320	REMOVE SIGN PANEL - TYPE 2	SO FT	24	24		*
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10		*
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	93	93		*

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 RURAL	0005 URBAN	0004
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	94	94		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8147	8147		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1115	1115		
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	405	405		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	758	758		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	58	58		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	130853	108803	22050	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	797	696	101	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	37	37		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	795	668	127	
X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SO YD	3965	2298	1667	
X1200111	PRECAST BOX CULVERT END SECTION	EACH	14	14		
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.18	0.18		

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

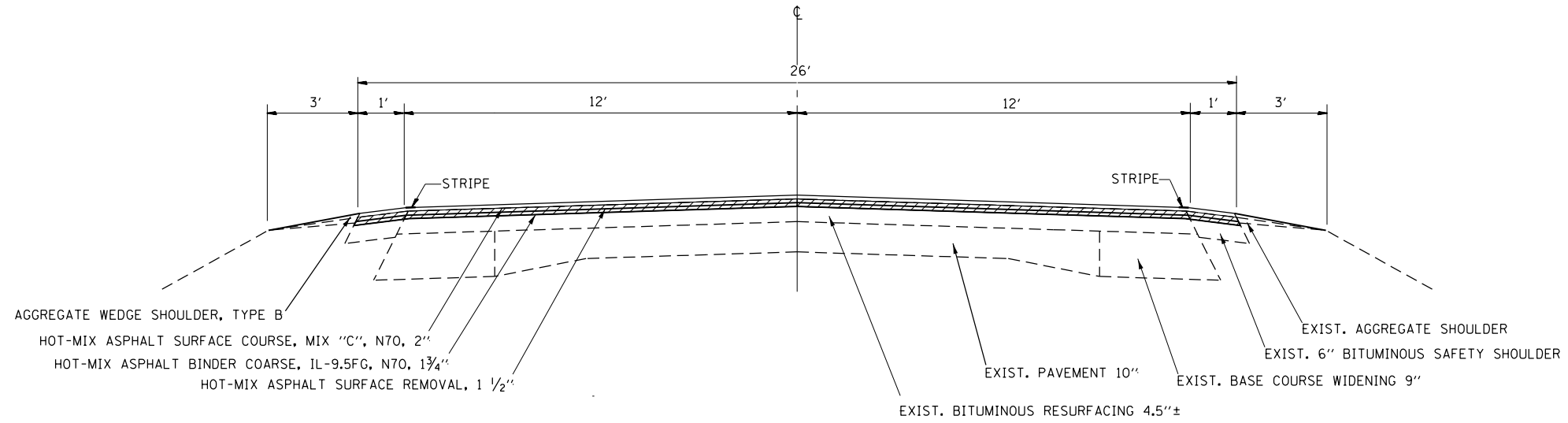
SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	5
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	

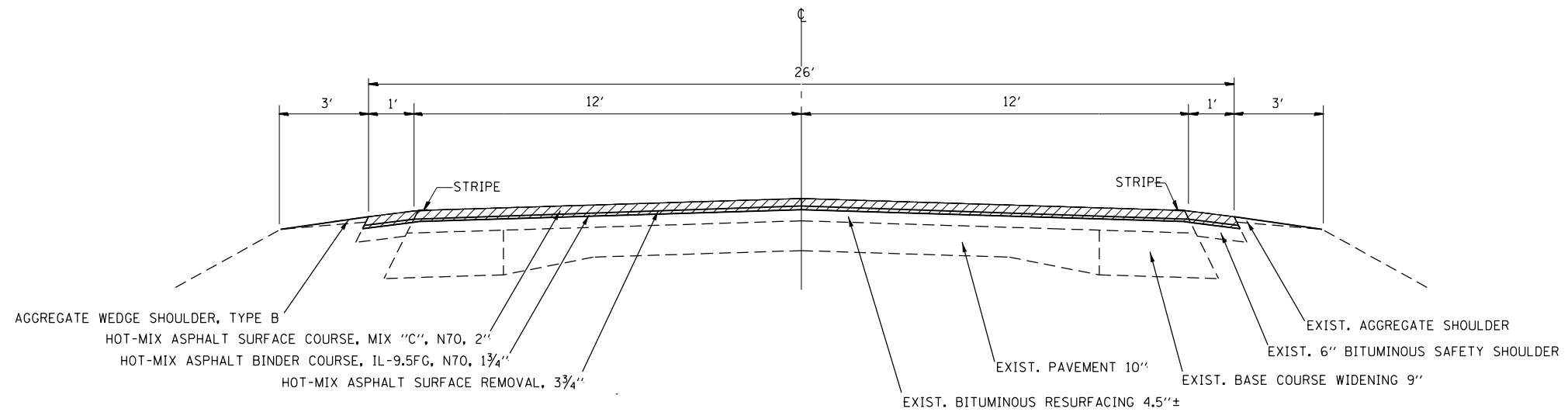
TYPICAL CROSS SECTION

STA. 602+80 TO 1053+45
 STA. 1059+10 TO 1128+10
 BRIDGE OMISSION STA. 890+81 TO STA. 891+19



TYPICAL CROSS SECTION

STA. 1053+45 TO 1059+10
 STA. 1128+10 TO 1138+51
 BRIDGE OMISSION STA. 1055+45.25 TO 1057+26.75



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	7
				CONTRACT NO. 74411
ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE			LENGTH	PAVEMENT WIDTH	SHOULDER WIDTH	AREA	AGGREGATE WEDGE SHOULDERS, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FC, N70	HOT MIX ASPHALT SURFACE COURSE, MIX "C", N70	
STATION	TO	STATION	FEET	FEET	FEET	SQ. YD.	TON	POUND	FOOT	SQ YD	SQ. YD.	SQ. YD.	TON	TON	
602+80.00	TO	603+25.00	45.0	26.0	0.0	130.0	2.1	87.8	45.0	130.0	0.0	0.0	12.7	14.6	
603+25.00	TO	678+38.62	7,513.6	26.0	0.0	21,706.0	340.8	14,651.6	7,513.6	0.0	21706.0	0.0	2127.2	2,431.1	
678+38.62	TO	680+05.90	167.3	VAR	0.0	474.0	5.0	320.0	167.3	0.0	474.0	0.0	46.5	53.1	
680+05.90	=	680+00.00	STATION EQUATION												
680+00.00	TO	684+00.00	400.0	VAR	0.0	2,193.6	5.8	1,480.7	400.0	0.0	1753.0	0.0	215.0	245.7	
684+00.00	TO	694+05.30	1,005.3	VAR	0.0	5,271.6		3,558.3	1,005.3	0.0	4000.0	0.0	516.6	590.4	
694+05.30	TO	789+12.00	9,506.7	26.0	0.0	27,463.8	439.5	18,538.1	9,506.7	0.0	27463.8	0.0	2691.5	3,075.9	
789+12.00	=	789+00.00	STATION EQUATION												
789+00.00	TO	842+35.60	5,335.6	26.0	0.0	15,414.0	242.8	10,404.4	5,335.6	0.0	15414.0	0.0	1510.6	1,726.4	
842+35.60	=	842+00.00	STATION EQUATION												
842+00.00	TO	877+85.00	3,585.0	26.0	0.0	10,356.7	161.1	6,990.8	3,585.0	0.0	10356.7	0.0	1015.0	1,159.9	
877+85.00	TO	889+67.20	1,182.2	26.0	0.0	3,415.2	56.1	2,305.3	1,182.2	0.0	3415.2	0.0	334.7	382.5	
889+67.20	=	890+00.00	STATION EQUATION												
890+00.00	TO	890+36.00	36.0	26.0	0.0	104.0	1.7	70.2	36.0	0.0	104.0	0.0	10.2	11.6	
890+36.00	TO	890+81.00	45.0	26.0	0.0	130.0	2.1	87.8	45.0	130.0	0.0	0.0	12.7	14.6	
890+81.00	TO	891+19.00	38.0	BRIDGE OMISSION											
891+19.00	TO	891+64.00	45.0	26.0	0.0	130.0	2.1	87.8	45.0	130.0	0.0	0.0	12.7	14.6	
891+64.00	TO	930+09.00	3,845.0	26.0	0.0	11,107.8	179.1	7,497.8	3,845.0	0.0	11107.8	0.0	1088.6	1,244.1	
930+09.00	=	930+00.00	STATION EQUATION												
930+00.00	TO	954+04.00	2,404.0	26.0	0.0	6,944.9	105.7	4,687.8	2,404.0	0.0	6944.9	0.0	680.6	777.8	
954+04.00	=	954+00.00	STATION EQUATION												
954+00.00	TO	1037+10.20	8,310.2	26.0	0.0	24,007.2	375.0	16,204.9	8,310.2	0.0	24007.2	0.0	2352.7	2,688.8	
1037+10.20	=	1037+00.00	STATION EQUATION												
1037+00.00	TO	1037+86.00	86.0	26.0	0.0	248.4	4.1	167.7	86.0	0.0	248.4	0.0	24.3	27.8	
1037+86.00	TO	1053+45.00	1,559.0	26.0	0.0	4,503.8	65.3	3,040.1	1,559.0	0.0	4503.8	0.0	441.4	504.4	
1053+45.00	TO	1055+45.25	200.3	26.0	0.0	578.5	9.5	390.5	200.3	0.0	0.0	578.5	56.7	64.8	
1055+45.25	TO	1057+26.75	181.5	BRIDGE OMISSION											
1057+26.75	TO	1059+10.00	183.3	26.0	0.0	529.4	8.7	357.3	183.3	0.0	0.0	529.4	51.9	59.3	
1059+10.00	TO	1097+34.00	3,824.0	26.0	0.0	11,047.1	151.1	7,456.8	3,824.0	0.0	11047.1	0.0	1082.6	1,237.3	
1097+34.00	=	1099+52.00	STATION EQUATION												
1099+52.00	TO	1128+10.00	2,858.0	26.0	0.0	8,256.4	112.8	5,573.1	2,858.0	0.0	8256.4	0.0	809.1	924.7	
1128+10.00	TO	1138+51.00	1,041.0	26.0	0.0	3,007.3	16.7	2,030.0	1,041.0	0.0	0.0	3007.3	294.7	336.8	
TOTALS:			53,177			157,020	2,287	105,988	53,177	390	150,802	4,115	15,388	17,586	

TEMPORARY RAMPS, SPECIAL			WIDTH FEET	LENGTH FEET	AREA SQ YD
LOCATION					
617+25.00	RT	020 N	1.5	125.0	20.8
630+36.00	LT	050 N	1.5	89.0	14.8
643+74.00	RT	070 N	1.5	59.0	9.8
678+32.00	LT	SPUR	1.5	110.0	18.3
679+90.00	RT	SPUR	1.5	90.0	15.0
683+94.00	LT	150 N ST FRANCISVILLE RD	1.5	132.0	22.0
683+94.00	RT	150 N ST FRANCISVILLE RD	1.5	146.0	24.3
693+01.00	RT	SPUR	1.5	90.0	15.0
736+81.00	LT	250 N	1.5	87.0	14.5
754+18.00	RT	280 N	1.5	71.0	11.8
762+98.00	LT	300 N	1.5	77.0	12.8
818+45.00	LT	400 N	1.5	129.0	21.5
818+45.00	RT	400 N	1.5	107.0	17.8
877+66.00	LT	500 N	1.5	95.0	15.8
877+66.00	RT	500 N	1.5	95.0	15.8
895+39.00	RT	530 N	1.5	103.0	17.2
930+51.00	LT	600 N	1.5	66.0	11.0
930+51.00	RT	600 N	1.5	94.0	15.7
983+80.00	LT	700 N	1.5	106.0	17.7
983+80.00	RT	700 N	1.5	106.0	17.7
1037+86.00	LT	800 N	1.5	98.0	16.3
1037+86.00	RT	800 N	1.5	98.0	16.3
1059+37.00	LT	840 N	1.5	133.0	22.2
1072+26.00	RT	860 N	1.5	61.0	10.2
1076+62.00	LT	870 N	1.5	44.0	7.3
1076+62.00	RT	870 N	1.5	44.0	7.3
1082+91.00	RT	880 N	1.5	60.0	10.0
1092+14.00	LT	900 N	1.5	123.0	20.5
1122+01.00	LT	950 N	1.5	50.0	8.3
1125+70.00	LT	960 N	1.5	52.0	8.7
1129+42.00	LT	970 N	1.5	39.0	6.5
1133+04.00	LT	980 N	1.5	36.0	6.0
TOTAL =					469

TEMPORARY RAMPS		WIDTH FEET	LENGTH FEET	AREA SQ YD
STATION	LOCATION			
602+80.00	BEGINNING OF PROJECT	19.5	26.0	56.3
890+81.00	BRIDGE SOUTH	19.5	27.0	58.5
891+19.00	BRIDGE NORTH	19.5	27.0	58.5
1055+45.25	BRIDGE SOUTH	19.5	27.0	58.5
1057+26.75	BRIDGE NORTH	19.5	27.0	58.5
1138+51.00	END OF PROJECT	19.5	26.0	56.3
TOTAL =				347

PAVEMENT MARKING SCHEDULE (MAINLINE)			LENGTH	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING LINE - 4"	TEMPORARY PAVEMENT MARKING LINE - 4"	TEMPORARY PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER (BI-DIRECTIONAL AMBER)	
STATION	TO	STATION	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT	EACH	
602+80.00	TO	675+27.00	7,247.0	2,174.1	241.5	16,007.8	16,007.8	5,335.9	92	
675+27.00	TO	678+10.00	283.0	84.9	9.4	786.8	786.8	262.3	5	
678+10.00	TO	680+05.90	195.9	58.8	6.5	0.0	0.0	0.0	0	
680+05.90	=	680+00.00	STATION EQUATION							
680+00.00	TO	694+30.00	1,430.0	429.0	47.7	0.0	0.0	0.0	0	
694+30.00	TO	699+16.00	486.0	145.8	16.2	1,522.5	1,522.5	507.5	7	
699+16.00	TO	705+16.00	600.0	180.0	20.0	1,350.0	1,350.0	450.0	9	
705+16.00	TO	710+09.00	493.0	147.9	16.4	1,602.3	1,602.3	534.1	7	
710+09.00	TO	716+31.00	622.0	186.6	20.7	1,399.5	1,399.5	466.5	9	
716+31.00	TO	721+22.00	491.0	147.3	16.4	1,595.8	1,595.8	531.9	7	
721+22.00	TO	753+46.00	3,224.0	967.2	107.5	7,196.0	7,196.0	2,398.7	41	
753+46.00	TO	762+39.00	893.0	267.9	29.8	2,831.3	2,831.3	943.8	12	
762+39.00	TO	764+01.00	162.0	48.6	5.4	571.0	571.0	190.3	3	
764+01.00	TO	771+26.00	725.0	217.5	24.2	2,356.3	2,356.3	785.4	10	
771+26.00	TO	787+14.00	1,588.0	476.4	52.9	3,573.0	3,573.0	1,191.0	21	
787+14.00	TO	789+12.00	198.0	59.4	6.6	643.5	643.5	214.5	3	
789+12.00	=	789+00.00	STATION EQUATION							
789+00.00	TO	793+63.00	463.0	138.9	15.4	1,504.8	1,504.8	501.6	7	
793+63.00	TO	794+83.00	120.0	36.0	4.0	270.0	270.0	90.0	3	
794+83.00	TO	803+31.00	848.0	254.4	28.3	2,756.0	2,756.0	918.7	12	
803+31.00	TO	812+52.00	921.0	276.3	30.7	2,072.3	2,072.3	690.8	13	
812+52.00	TO	821+85.00	933.0	279.9	31.1	2,886.3	2,886.3	962.1	13	
821+85.00	TO	826+56.00	471.0	141.3	15.7	1,884.0	1,884.0	628.0	7	
826+56.00	TO	836+17.00	961.0	288.3	32.0	3,051.3	3,051.3	1,017.1	13	
836+17.00	TO	842+35.60	618.6	185.6	20.6	1,391.9	1,391.9	464.0	9	
842+35.60	=	842+00.00	STATION EQUATION							
842+00.00	TO	889+67.20	4,767.2	1,430.2	158.9	10,536.2	10,536.2	3,512.1	61	
889+67.20	=	890+00.00	STATION EQUATION							
890+00.00	TO	890+81.00	81.0	24.3	2.7	182.3	182.3	60.8	2	
890+81.00	TO	891+19.00	38.0	11.4	1.3	85.5	85.5	28.5	0	
891+19.00	TO	919+39.00	2,820.0	846.0	94.0	6,275.0	6,275.0	2,091.7	36	
919+39.00	TO	929+92.00	1,053.0	315.9	35.1	3,422.3	3,422.3	1,140.8	14	
929+92.00	TO	930+09.00	17.0	5.1	0.6	68.0	68.0	22.7	1	
930+09.00	=	930+00.00	STATION EQUATION							

PAVEMENT MARKING SCHEDULE (MAINLINE) CONTINUED			LENGTH	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING LINE - 4"	TEMPORARY PAVEMENT MARKING LINE - 4"	TEMPORARY PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER (BI-DIRECTIONAL AMBER)	
STATION	TO	STATION	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT	EACH	
930+09.00	=	930+00.00	STATION EQUATION							
930+00.00	TO	938+92.00	892.0	267.6	29.7	3,436.0	3,436.0	1,145.3	12	
938+92.00	TO	949+45.00	1,053.0	315.9	35.1	3,422.3	3,422.3	1,140.8	14	
949+45.00	TO	954+04.00	459.0	137.7	15.3	1,032.8	1,032.8	344.3	7	
954+04.00	=	954+00.00	STATION EQUATION							
954+00.00	TO	988+11.00	3,411.0	1,023.3	113.7	7,462.8	7,462.8	2,487.6	44	
988+11.00	TO	997+64.00	953.0	285.9	31.8	3,097.3	3,097.3	1,032.4	13	
997+64.00	TO	998+41.00	77.0	23.1	2.6	308.0	308.0	102.7	2	
998+41.00	TO	1008+39.00	998.0	299.4	33.3	3,243.5	3,243.5	1,081.2	13	
1008+39.00	TO	1013+92.00	553.0	165.9	18.4	1,244.3	1,244.3	414.8	8	
1013+92.00	TO	1024+08.00	1,016.0	304.8	33.9	3,302.0	3,302.0	1,100.7	14	
1024+08.00	TO	1026+76.00	268.0	80.4	8.9	1,072.0	1,072.0	357.3	4	
1026+76.00	TO	1037+10.20	1,034.2	310.3	34.5	3,361.1	3,361.1	1,120.4	14	
1037+10.20	=	1037+00.00	STATION EQUATION							
1037+00.00	TO	1037+86.00	86.0	25.8	2.9	215.5	215.5	71.8	2	
1037+86.00	TO	1038+50.00	64.0	19.2	2.1	144.0	144.0	48.0	2	
1038+50.00	TO	1055+45.25	1,695.3	508.6	56.5	3,814.3	3,814.3	1,271.4	22	
1055+45.25	TO	1057+26.75	181.5	54.5	6.0	408.4	408.4	136.1	0	
1057+26.75	TO	1097+33.95	4,007.2	1,202.2	133.6	8,695.2	8,695.2	2,898.4	51	
1097+33.95	=	1099+52.00	STATION EQUATION							
1099+52.00	TO	1138+51.00	3,899.0	1,169.7	130.0	8,772.8	8,772.8	2,924.3	50	
YELLOW TOTALS:			-	-	-	29276	29276	-	-	
WHITE TOTALS:			-	-	-	101577	101577	-	-	
TOTALS:			-	16019	1780	130853	130853	43618	686	

PAVEMENT MARKING SCHEDULE (MEDIAN AT ST. MARIE RD.)	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING LINE - 6"	TEMPORARY PAVEMENT MARKING LINE - 8"	TEMPORARY PAVEMENT MARKING LINE - 12"	TEMPORARY PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING LINE - LETTERS & SYMBOLS	TEMPORARY PAVEMENT MARKING REMOVAL	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GROOVING FOR RECESSED PAVEMENT MARKING 25"	GROOVING FOR RECESSED PAVEMENT MARKING LETTERS & SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKERS
	LOCATION	FOOT	FOOT	FOOT	FOOT	SO FT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	EACH
NORTH MEDIAN	5152.0	718.0	0.0	336.0	29.0	46.8	2517.1	5152.0	718.0	0.0	336.0	29.0	46.8	5152.0	718.0	0.0	336.0	29.0	46.8	71.0
SOUTH MEDIAN	2862.0	397.0	0.0	118.0	29.0	46.8	1375.3	2862.0	397.0	0.0	118.0	29.0	46.8	2862.0	397.0	0.0	118.0	29.0	46.8	40.0
EAST MEDIAN	133.0	0.0	201.0	150.0	0.0	0.0	328.3	133.0	0.0	201.0	150.0	0.0	0.0	133.0	0.0	201.0	150.0	0.0	0.0	0.0
WEST MEDIAN	0.0	0.0	204.0	154.0	0.0	0.0	290.0	0.0	0.0	204.0	154.0	0.0	0.0	0.0	0.0	204.0	154.0	0.0	0.0	0.0
YELLOW TOTALS	5109	-	-	370	-	-	-	-	-	-	-	-	-	5109	-	-	370	-	-	-
WHITE TOTALS	3038	1115	405	388	58	94	-	-	-	-	-	-	-	3038	1115	405	388	58	94	-
SHEET TOTALS	8147	1115	405	758	58	94	4511	8147	1115	405	758	58	94	8147	1115	405	758	58	94	111

THE TYPES OF RAISED REFLECTIVE PAVEMENT MARKERS ARE AS FOLLOWS:
 32 MONO-DIRECTIONAL CRYSTAL
 56 MONO-DIRECTIONAL AMBER
 23 BI-DIRECTIONAL AMBER

SURVEY MARKER SCHEDULE				
LOCATION	TYPE	PROTECT OR RESET	DESCRIPTION	SURVEY MARKER VAULT
		(EACH)		(EACH)
630+35.00	COTTON SPINDLE	1.0	#210 - 3.0' RT. (050 N RACCOON CREEK LN)	1
603+95.00	MAG NAIL	1.0	#211 - 3.0' RT. OFFSET	1
657+25.00	COTTON SPINDLE	1.0	#212 - 3.0' RT. OFFSET	1
683+97.00	DISK	1.0	#1314 - INTERSECTION OF RT 1 & ST. FRANCISVILLE RD	1
TOTAL=		4.0		4

BOX CULVERT EXTENSION SCHEDULE		PRECAST CONCRETE BOX CULVERTS 2' X 2' (SPECIAL)	PRECAST CONCRETE BOX CULVERTS 3' X 3'	PRECAST CONCRETE BOX CULVERTS 4' X 4'	PRECAST BOX CULVERT END SECTION	TEMPORARY SOIL RETENTION SYSTEM	EXPANSION BOLTS, 3/4 INCH	CONCRETE COLLAR	REINFORCEMENT BARS, EPOXY COATED	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	FILTER FABRIC
STATION	SIDE	FOOT	FOOT	FOOT	EACH	SQ FT	EACH	CU YD	POUND	SQ YD	SQ YD	SQ YD
623+88	LT	9	-	-	1	-	8	0.71	45	-	-	-
623+88	RT	9	-	-	1	-	8	0.71	45	-	16	16
649+05	LT	9	-	-	1	-	8	0.71	45	-	-	-
649+05	RT	5	-	-	1	-	8	0.71	45	-	-	-
699+07	LT	10	-	-	1	-	8	0.71	45	-	-	-
699+07	RT	6	-	-	1	-	8	0.71	45	-	-	-
727+35	LT	10	-	-	1	-	8	0.71	45	-	-	-
727+35	RT	5	-	-	1	-	8	0.71	45	-	-	-
877+45	LT	-	13	-	1	-	8	0.86	59	-	16	16
877+45	RT	-	13	-	1	-	8	0.86	59	-	-	-
1008+08	LT	-	-	5	1	80	8	1.15	81	-	-	-
1008+08	RT	-	-	8	1	80	8	1.15	81	-	-	-
1037+58	LT	7	-	-	1	-	8	0.71	45	70	-	70
1037+58	RT	9	-	-	1	-	8	0.71	45	-	-	-
TOTALS:		79	26	13	14	160	112	11.1	730	70	32	102

NOTE: A QUANTITY FOR FURNISHED EXCAVATION AND SEEDING, CLASS 2 (SPECIAL) IS INCLUDED IN THE PLANS FOR THE BACKFILLING OF THE BOX CULVERT EXTENSIONS.

PIPE CULVERT REMOVAL SCHEDULE		CULVERT SIZE	MATERIAL TYPE	PIPE CULVERT REMOVAL (SPECIAL)
STATION	SIDE	INCHES		FOOT
623+88	LT	24	RCCP	12
623+88	RT	24	RCCP	4
649+05	LT	24	RCCP	12
649+05	RT	24	RCCP	4
699+07	LT	24	RCCP	12
699+07	RT	24	RCCP	4
727+35	LT	24	RCCP	12
727+35	RT	24	RCCP	4
877+45	LT	42	CMP	7
877+45	LT	42	RCCP	12
877+45	RT	42	CMP	13
877+45	RT	42	RCCP	4
1008+08	LT	54	RCCP	8
1008+08	RT	54	RCCP	8
1037+58	LT	24	RCCP	8
1037+58	RT	24	RCCP	8
TOTAL =				132

GUARDRAIL SCHEDULE		STATIONING	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 10 (EACH)	GUARDRAIL REFLECTORS, TYPE A (EACH)	TERMINAL MARKER -DIRECT APPLIED (EACH)
FROM	TO									
603+80.0	604+17.5	LT	-	-	-	1	-	-	1	-
604+17.5	605+92.5	LT	175	-	-	-	-	-	3	-
605+92.5	606+42.5	LT	-	-	1	-	-	-	-	1
603+80.0	604+17.5	RT	-	-	-	1	-	-	2	-
604+17.5	605+05.0	RT	87.5	-	-	-	-	-	2	-
605+05.0	605+55.0	RT	-	-	1	-	-	-	-	1
855+20.0	855+70.0	LT	-	-	1	-	-	-	-	1
855+70.0	860+70.0	LT	500	-	-	-	-	-	7	-
860+70.0	861+20.0	LT	-	-	1	-	-	-	1	1
858+27.5	858+77.5	RT	-	-	1	-	-	-	-	1
858+77.5	861+15.0	RT	237.5	-	-	-	-	-	4	-
861+15.0	861+65.0	RT	-	-	1	-	-	-	1	1
889+46.7	890+29.5	LT	-	-	1	-	-	-	-	1
890+29.5	890+79.5	LT	50.0	-	-	-	-	-	4	-
890+79.5	890+81.0	LT	-	-	-	-	-	1	-	-
890+04.5	890+54.5	RT	-	-	1	-	-	-	-	1
890+54.5	890+79.5	RT	25.0	-	-	-	-	-	4	-
890+79.5	890+81.0	RT	-	-	-	-	-	1	-	-
891+19.0	891+20.5	LT	-	-	-	-	-	1	-	-
891+20.5	891+70.5	LT	-	50.0	-	-	-	-	4	-
891+70.5	892+20.5	LT	-	-	1	-	-	-	-	1
891+19.0	891+20.5	RT	-	-	-	-	-	1	-	-
891+20.5	891+70.5	RT	-	50.0	-	-	-	-	4	-
891+70.5	892+20.5	RT	-	-	1	-	-	-	-	1
TOTALS:			1075	100	10	2	4	37	10	

GUARDRAIL REMOVAL SCHEDULE		STATIONING	SIDE	GUARDRAIL REMOVAL (FEET)
FROM	TO			
603+80	605+85	LT		265
603+80	604+45	RT		165
855+20	861+20	LT		600
858+25	861+65	RT		340
889+50	890+81	LT		98
891+19	892+20	LT		101
890+05	890+81	RT		76
891+19	892+20	RT		101
TOTAL =				1746

DITCH WORK SCHEDULE				LENGTH	FILTER FABRIC	STONE RIPRAP, CLASS A4	STONE RIPRAP, CLASS A3 (SPECIAL)	CONCRETE REMOVAL (FOR REMOVAL OF DITCH CHECKS)
SIDE	STATION	TO	STATION	FEET	SO YD	SO YD	SO YD	CU YD
RT	902+50.00	TO	904+30.00	180.0	240.0	240.0	0.0	0.0
RT	904+45.00	TO	916+50.00	1,205.0	1,606.7	1,606.7	0.0	43.4
RT	916+50.00	TO	917+50.00	100.0	0.0	0.0	133.3	0.0
RT	051-8620 SE STREAM BANK				44.4	44.4	0.0	0.0
TOTALS				1,485.0	1,891.1	1,891.1	133.3	43.4

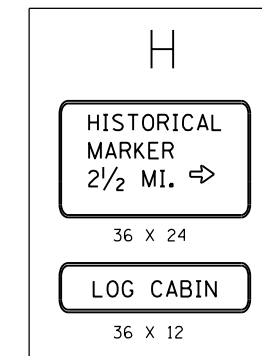
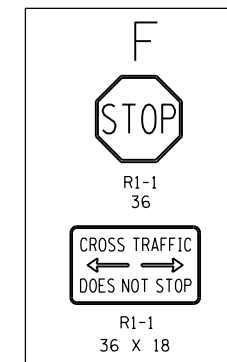
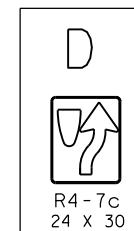
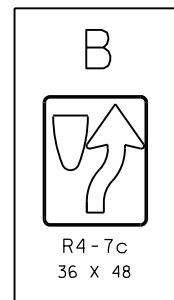
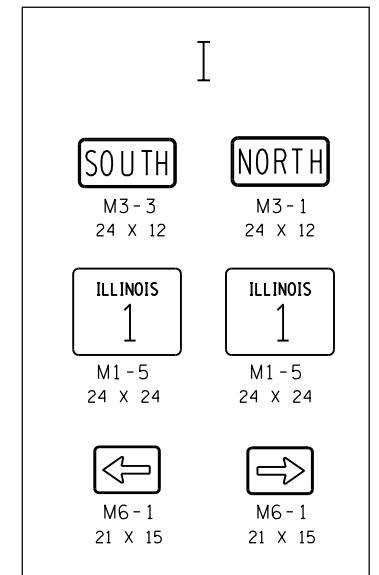
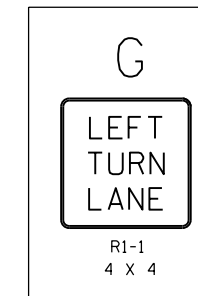
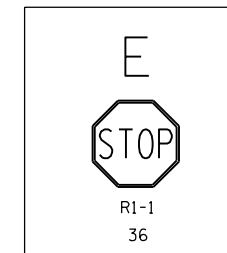
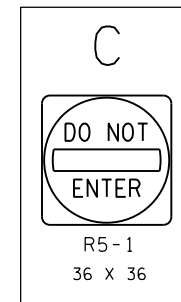
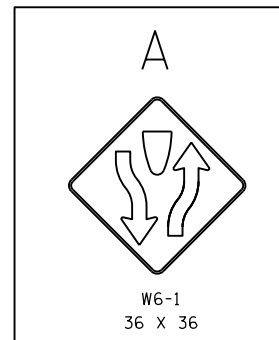
MEDIAN SCHEDULE	CURB REMOVAL	MEDIAN REMOVAL	PAVEMENT REMOVAL	AGGREGATE, BASE COURSE, TYPE B, 4"	PORTLAND CEMENT CONCRETE, BASE COURSE 10"	STRIP REFLECTIVE CRACK CONTROL TREATMENT	WELDED WIRE REINFORCEMENT	CONCRETE MEDIAN, TYPE SM (DOWELED)
LOCATION	FOOT	SO FT	SO YD	SO YD	SO YD	FOOT	SO YD	SO FT
ST. FRANCISVILLE RD.								
NORTH MEDIAN	1,644.0	-	1,248.1	1,248.1	1248.1	1644.0	1248.1	-
SOUTH MEDIAN	583.5	-	418.2	418.2	418.2	583.5	418.2	-
EAST MEDIAN	-	212.0	-	23.6	23.6	-	23.6	94.3
WEST MEDIAN	-	202.0	-	22.5	22.5	-	22.5	99.1
TOTALS	2,228	414	1,666	1,712	1,712	2,228	1,712	193

PAVEMENT WIDENING SCHEDULE				PAVEMENT REMOVAL	EARTH EXCAVATION	AGGREGATE, BASE COURSE, TYPE B, 4"	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
START		END		SO YD	CU YD	SO YD	SO YD
STATION	OFFSET	STATION	OFFSET	SO YD	CU YD	SO YD	SO YD
383+01.1	27' LT	383+81.8	77.25' LT	3.5	16.3	41.9	41.9
383+34.7	24.5' RT	383+97.7	89.75' RT	11.5	17.2	44.3	44.3
384+08.2	77.25' LT	384+64.8	27' LT	3.2	15.8	40.5	40.5
384+14.3	89.75' RT	384+99.7	24.5' RT	10.5	19.8	51	51
TOTALS:				29	69	178	178

SIGN REMOVAL			SIGN GROUP	REMOVE SIGN PANEL -	REMOVE SIGN PANEL -	REMOVE SIGN PANEL ASSEMBLY -
STATION	SIDE	OFFSET FEET		TYPE 1 SQ FT	TYPE 2 SQ FT	TYPE B EACH
675+29	RT	26.0	A	9.0	-	-
681+07	LT	5.0	B	-	12.0	-
683+56	RT	36.5	C	9.0	-	-
683+63	LT	1.7	D	5.0	-	-
683+63	LT	54.2	E	9.0	-	-
683+84	LT	35.4	F	-	-	1
684+17	RT	29.3	F	-	-	1
684+42	RT	52.6	E	9.0	-	-
684+50	RT	0.8	D	5.0	-	-
684+54	LT	32.2	C	9.0	-	-
688+63	LT	8.1	G	0.1	-	-
692+28	RT	1.0	B	-	12.0	-
697+90	LT	24.0	A	9.0	-	-
TOTALS:				64	24	2

REMOVE, STORE & RE-ERECT SIGN PANEL					
STATION	SIDE	OFFSET FEET	SIGN GROUP	REMOVE, STORE & RE-ERECT SIGN PANEL SQ FT	TELESCOPING SIGN SUPPORT FOOT
683+56	RT	36.5	H	9.0	13.0
684+21	RT	29.7	I	16.4	15.3
684+54	LT	32.2	H	9.0	12.5
TOTALS:				34.4	41

SIGN PANEL - TYPE 1					
STATION	SIDE	OFFSET FEET	SIGN GROUP	SIGN PANEL - TYPE 1 SQ FT	TELESCOPING SIGN SUPPORT FOOT
683+54.6	LT	52.5	E	9.0	12.5
683+83.4	LT	38.7	F	13.5	13.5
684+17.5	RT	36.4	F	13.5	13.5
684+45.8	RT	50.0	E	9.0	12.5
TOTALS:				45	52



ENTRANCE SCHEDULE					
SIDE	STATION	TYPE	SURFACE REMOVAL, VARIAGLE DEPTH (SPECIAL)		AGGREGATE SURFACE COURSE, TYPE B
			SO YD	TON	
LT	611+51	PRA	-	-	2.5
LT	613+57	PE	-	-	2.0
LT	615+64	PE	-	-	2.1
RT	617+25	PRA	69.4	7.3	-
LT	617+36	PE	-	-	1.6
LT	617+68	MBT1	-	-	2.5
LT	618+24	PE	-	-	1.5
LT	620+56	FE	-	-	2.6
LT	622+50	MBT1	-	-	2.5
LT	622+60	PE	-	-	2.5
LT	625+08	FE	-	-	2.4
LT	630+36	PRA	49.4	5.2	-
RT	633+71	FE	-	-	3.9
RT	636+50	PE	-	-	2.5
LT	636+50	MBT2	-	-	5.0
LT	639+55	FE	-	-	2.0
RT	643+74	PRA	32.8	3.4	-
LT	643+88	MBT1	-	-	2.5
LT	643+98	PE	-	-	1.7
LT	644+84	PE	-	-	2.1
RT	645+56	PE	-	-	1.9
LT	646+05	FE	-	-	2.7
RT	656+06	FE	-	-	2.3
LT	656+24	MBT1	-	-	2.5
LT	656+44	PE	-	-	2.4
LT	657+29	PE	-	-	2.0
RT	659+89	PE	36.7	3.9	-
LT	659+99	MBT2	-	-	5.0
LT	666+61	MBT2	-	-	5.0
RT	666+61	PE	-	-	2.6
LT	670+32	MBT1	-	-	2.5
LT	670+53	PE	-	-	1.9
RT	670+69	PRA	-	-	2.7
LT	672+23	MBT1	-	-	2.5
LT	672+43	PE	-	-	2.8
LT	673+20	PE	-	-	1.9
LT	674+00	MBT1	-	-	2.5
LT	674+19	PE	-	-	1.7
LT	676+52	CE	-	-	2.0
RT	678+07	FE	-	-	2.3
LT	678+32	PRA	61.1	6.4	-
RT	679+90	PRA	50.0	5.3	-
LT	683+94	PRA	417.2	43.2	-
RT	683+94	PRA	476.8	49.4	-
RT	693+01	PRA	50.0	5.3	-
RT	697+00	MBT1	-	-	2.5
RT	697+13	PE	34.4	3.6	-

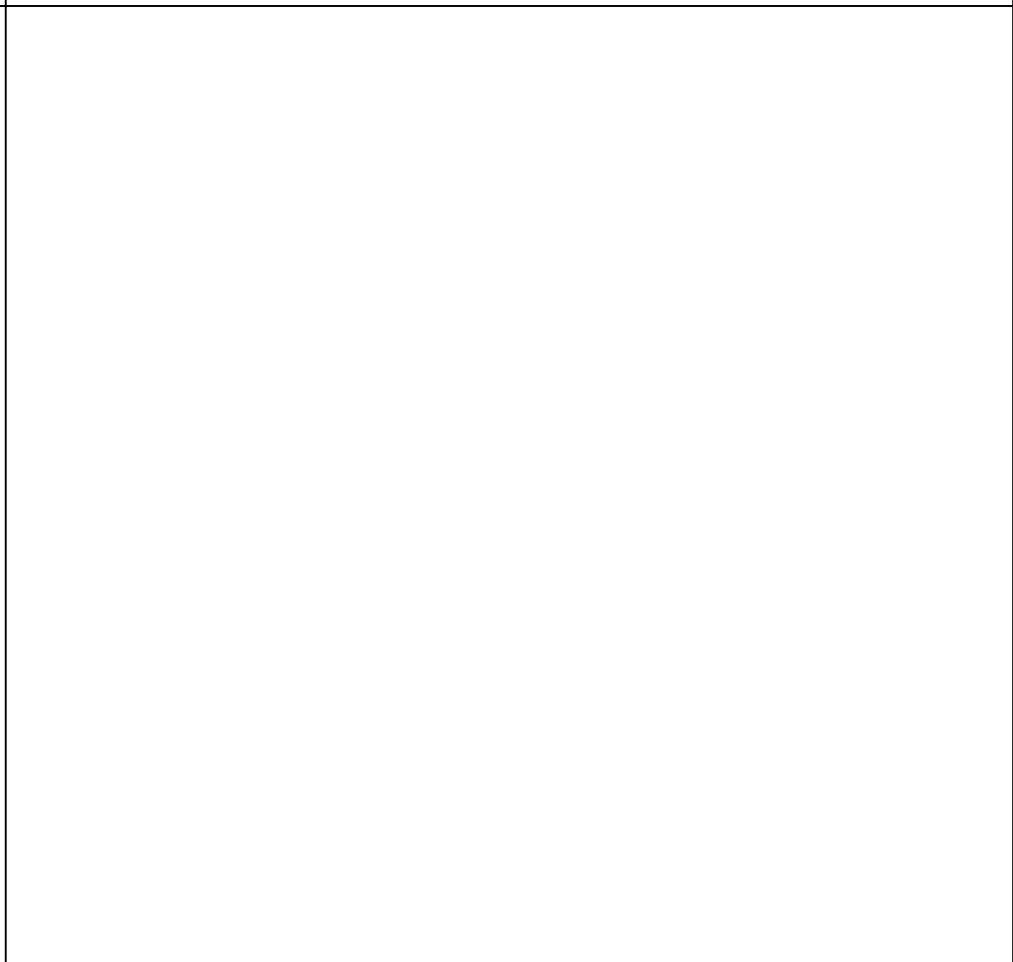
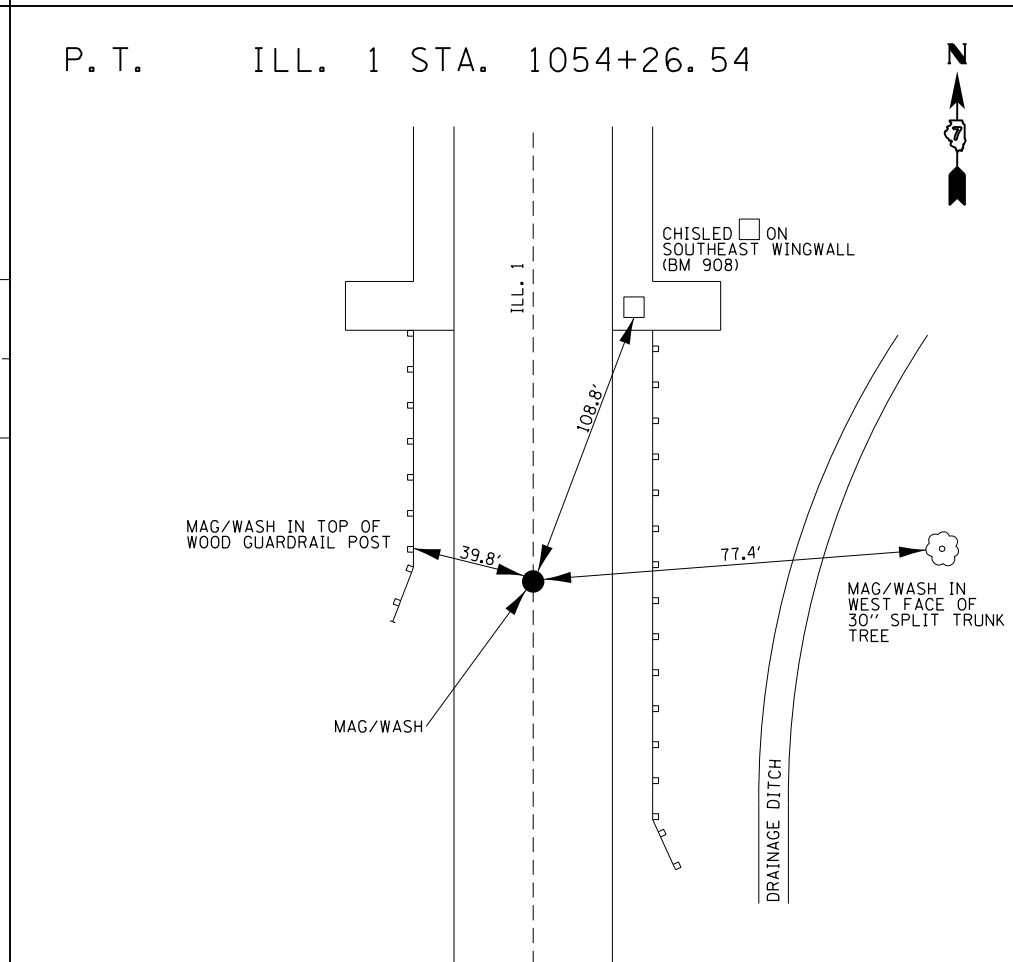
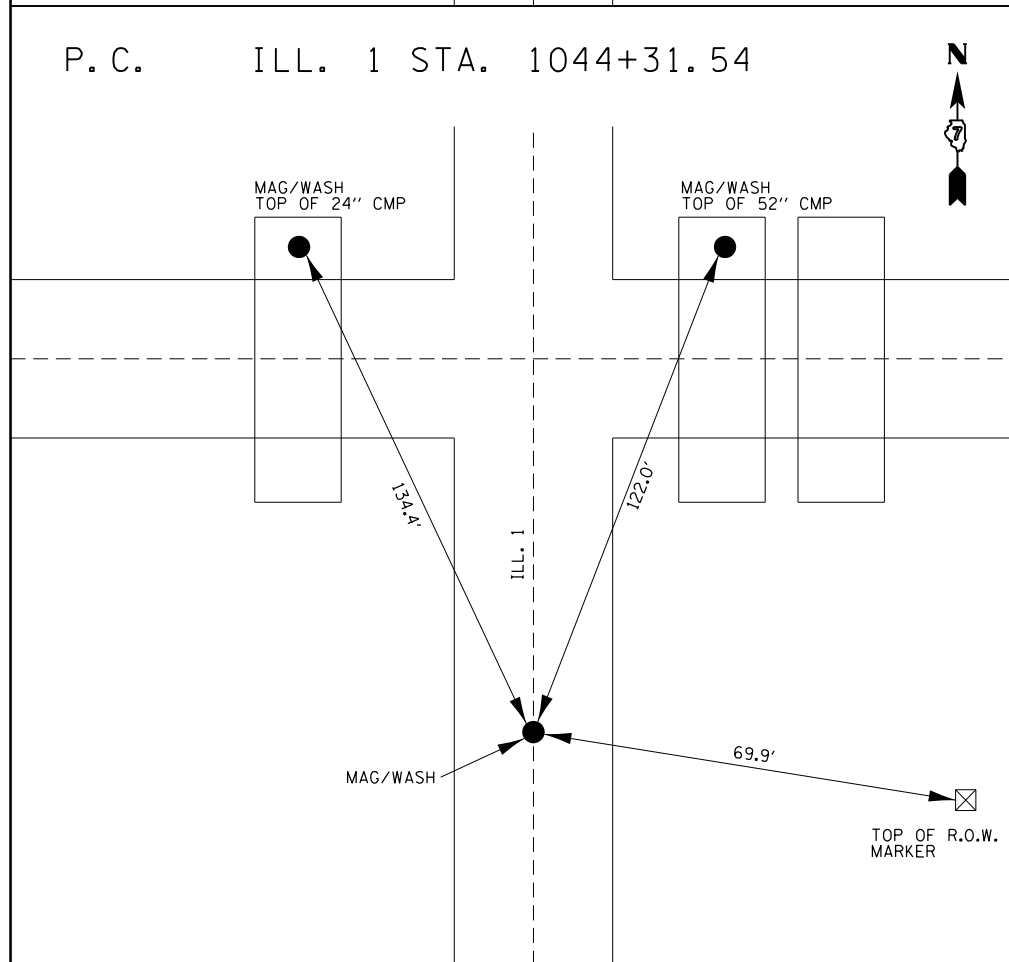
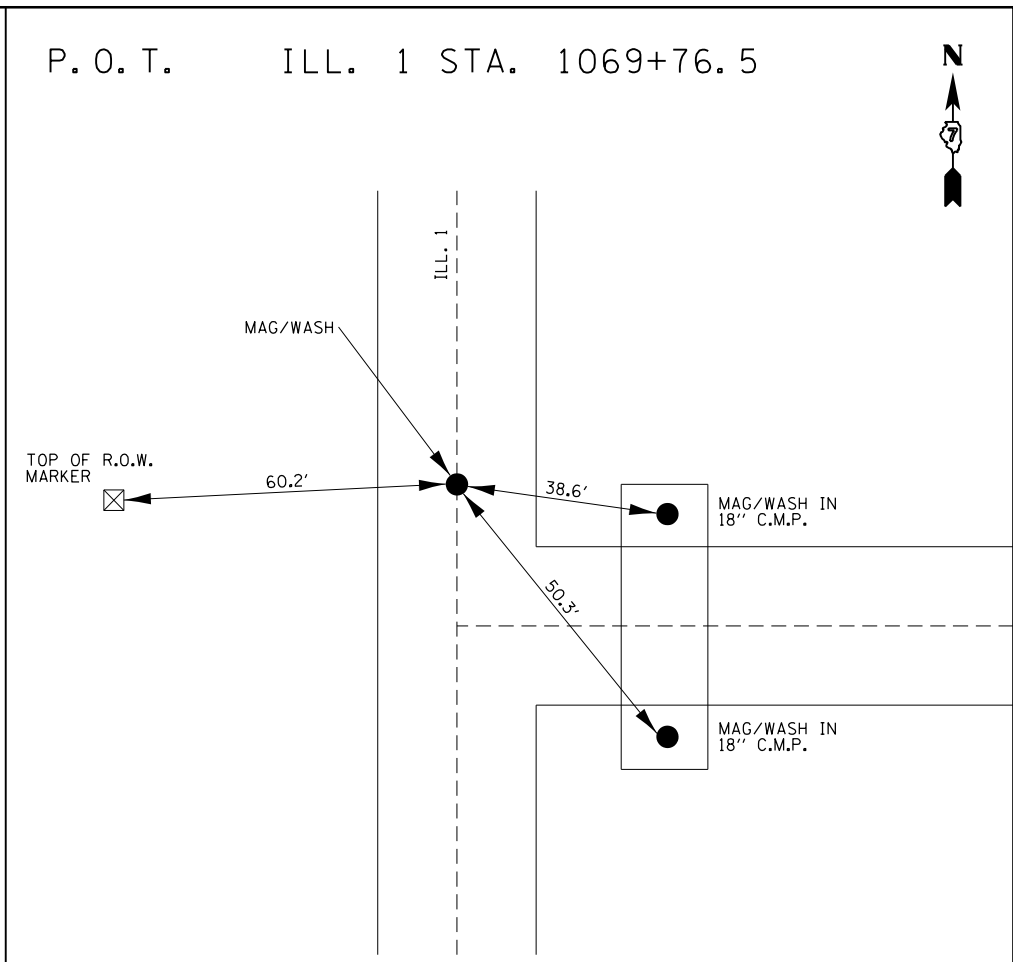
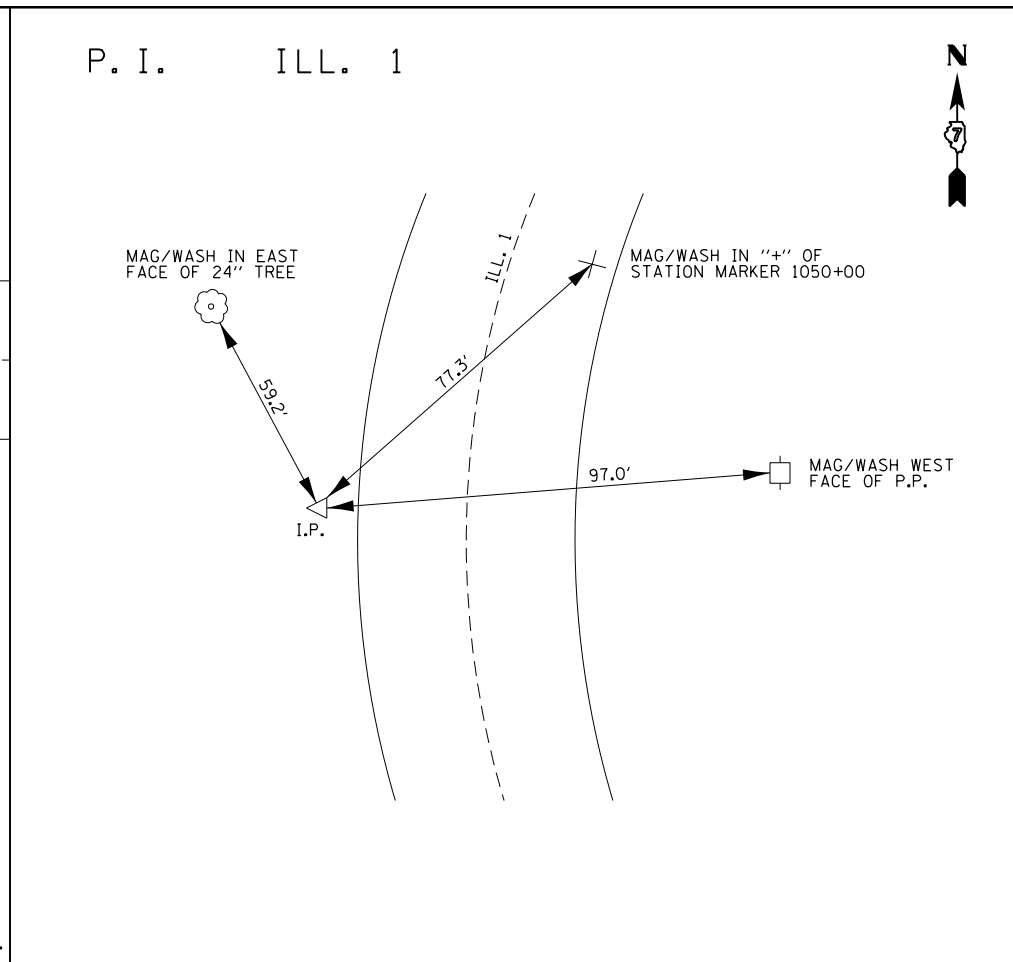
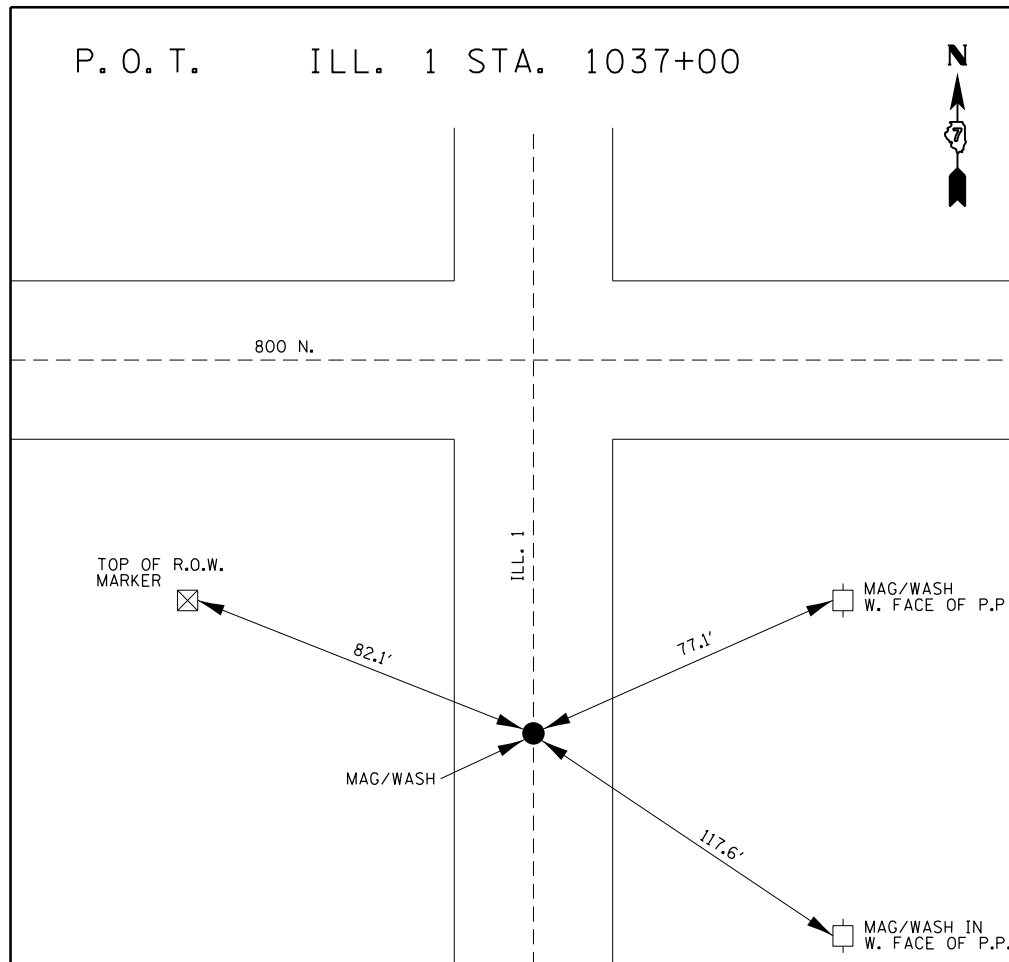
ENTRANCE SCHEDULE (CONT'D)					
SIDE	STATION	TYPE	SURFACE REMOVAL, VARIAGLE DEPTH (SPECIAL)		AGGREGATE SURFACE COURSE, TYPE B
			SO YD	TON	
RT	702+01	FE	-	-	3.5
LT	710+50	FE	-	-	2.3
LT	711+80	MBT1	-	-	2.5
LT	712+12	PE	-	-	1.9
LT	712+78	PE	-	-	3.0
LT	715+60	MBT1	-	-	2.5
RT	723+93	FE	-	-	1.8
LT	725+12	FE	-	-	1.7
RT	733+13	FE	-	-	3.1
LT	736+81	PRA	48.3	5.1	-
LT	748+37	PE	-	-	2.5
LT	752+18	PE	-	-	2.7
LT	752+33	MBT1	-	-	2.5
RT	754+18	PRA	50.6	21.2	-
LT	762+98	PRA	53.9	22.6	-
RT	763+25	PE	-	-	1.9
RT	763+42	MBT1	-	-	2.5
RT	764+33	PE	-	-	2.7
RT	767+57	FE	-	-	2.6
LT	773+12	PE	-	-	3.0
RT	774+95	MBT1	-	-	2.5
RT	775+15	FE	-	-	2.8
LT	775+15	PE	-	-	3.0
LT	776+45	FE	-	-	2.6
RT	789+27	FE	-	-	2.6
LT	789+88	PE	-	-	2.0
RT	789+88	MBT2	-	-	5.0
RT	792+44	FE	-	-	2.9
LT	802+66	FE	-	-	2.2
RT	808+16	FE	-	-	2.9
LT	818+45	PRA	71.7	7.5	-
RT	818+45	PRA	59.4	6.2	-
RT	829+90	FE	61.7	6.5	-
LT	830+29	PE	-	-	2.2
LT	830+48	MBT1	-	-	2.5
LT	833+17	FE	-	-	1.7
RT	840+29	PE	-	-	4.7
LT	840+29	FE	-	-	2.1
LT	841+58	MBT2	-	-	5.0
RT	841+58	PE	-	-	2.2
RT	842+63	PE	-	-	3.7
LT	842+67	PE	-	-	3.0
LT	843+13	MBT1	-	-	2.5
RT	843+15	FE	-	-	2.9
LT	846+08	PE	-	-	3.3
LT	851+13	PE	-	-	2.6

ENTRANCE SCHEDULE (CONT'D)					
SIDE	STATION	TYPE	SURFACE REMOVAL, VARIAGLE DEPTH (SPECIAL)		AGGREGATE SURFACE COURSE, TYPE B
			SO YD	TON	
LT	851+30	MBT1	-	-	2.5
RT	858+11	PE	-	-	2.9
RT	863+53	FE	-	-	3.1
LT	864+95	FE	-	-	2.4
RT	869+57	FE	-	-	2.3
LT	874+23	FE	-	-	2.9
RT	874+23	FE	-	-	2.9
LT	877+66	PRA	63.9	26.8	-
RT	877+66	PRA	63.9	26.8	-
RT	883+35	FE	-	-	3.0
LT	888+67	FE	-	-	2.1
RT	889+46	FE	-	-	2.5
LT	892+30	PE	-	-	2.7
RT	895+39	PRA	57.2	6.0	-
LT	897+68	FE	-	-	2.3
RT	904+37	FE	-	-	2.3
LT	915+42	FE	-	-	2.0
LT	918+10	FE	-	-	2.0
RT	918+18	MBT1	-	-	2.5
RT	918+32	PE	-	-	2.4
RT	921+30	MBT1	-	-	2.5
RT	921+49	PE	-	-	2.2
LT	930+51	PRA	47.8	10.0	-
RT	930+51	PRA	52.2	5.5	-
LT	935+03	MBT2	-	-	5.0
RT	935+03	PE	18.3	1.9	-
RT	936+04	FE	-	-	2.3
LT	936+15	PE	23.3	2.5	-
LT	936+68	PE	-	-	3.6
RT	941+53	MBT1	-	-	2.5
LT	941+77	PE	-	-	2.3
RT	941+77	FE	-	-	2.3
RT	946+83	FE	-	-	2.8
LT	953+18	FE	-	-	2.9
RT	953+18	PE	-	-	2.2
RT	953+35	MBT1	-	-	2.5
RT	957+00	FE	-	-	2.8
RT	957+40	FE	-	-	2.7
LT	958+41	FE	-	-	2.0
LT	965+14	FE	-	-	2.3
RT	970+96	FE	-	-	2.0
LT	972+04	PE	-	-	2.1
RT	972+04	MBT2	-	-	5.0
RT	972+39	FE	-	-	2.5
LT	974+21	FE	-	-	2.1
RT	976+87	FE	-	-	2.7
LT	983+80	PRA	70.0	29.4	-

ENTRANCE SCHEDULE (CONT'D)					
SIDE	STATION	TYPE	SURFACE REMOVAL, VARIAGLE DEPTH (SPECIAL)		AGGREGATE SURFACE COURSE, TYPE B
			SO YD	TON	
RT	983+80	PRA	70.0	29.4	-
RT	991+50	PE	-	-	2.9
RT	991+76	MBT1	-	-	2.5
RT	995+54	MBT2	-	-	5.0
LT	995+76	PE	-	-	2.7
LT	996+26	FE	-	-	2.0
RT	1000+72	PE	-	-	3.1
RT	1000+97	MBT1	-	-	2.5
LT	1002+52	PE	-	-	2.6
RT	1002+52	MBT2	-	-	5.0
RT	1004+95	FE	-	-	2.6
LT	1005+77	PE	30.0	3.2	-
LT	1008+68	PE	46.7	4.9	-
RT	1009+32	MBT2	-	-	5.0
LT	1009+32	PE	38.3	4.0	-
RT	1017+97	PE	-	-	3.0
RT	1018+12	MBT1	-	-	2.5
LT	1018+57	FE	-	-	3.5
LT	1023+12	PE	38.9	4.1	-
RT	1023+15	MBT2	-	-	5.0
LT	1026+60	CE	-	-	2.5
LT	1027+50	CE	-	-	2.8
RT	1027+88	MBT1	-	-	2.5
RT	1028+07	CE	-	-	3.7
LT	1028+40	FE	-	-	2.0
RT	1030+44	CE	-	-	3.3
LT	1037+86	PRA	54.4	5.7	-
RT	1037+86	PRA	54.4	5.7	-
RT	1042+61	PE	-	-	2.4
RT	1042+89	MBT1	-	-	2.5
RT	1045+22	PE	42.8	4.5	-
LT	1045+40	PE	-	-	1.8
RT	1045+44	MBT1	-	-	2.5
LT	1059+37	PRA	73.9	7.8	-
RT	1062+21	FE	-	-	2.3
RT	1066+57	CE	-	-	3.7
RT	1069+66	CE	51.7	5.4	-
RT	1071+00	PE	50.0	5.3	-
RT	1072+26	PRA	45.0	18.9	-
RT	1072+64	CE	-	-	1.5
RT	1073+06	CE	-	-	1.8
LT	1073+84	CE	50.0	5.3	-
LT	1075+58	CE	40.6	4.3	-
RT	1076+03	PE	23.3	2.5	-
LT	1076+62	PRA	35.6	7.5	-
RT	1076+62	PRA	35.6	7.5	-
LT	1079+74	PE	-	-	1.4

ENTRANCE SCHEDULE (CONT'D)					
SIDE	STATION	TYPE	SURFACE REMOVAL, VARIAGLE DEPTH (SPECIAL)		AGGREGATE SURFACE COURSE, TYPE B
			SO YD	TON	
RT	1082+91	PRA	44.4	18.7	-
LT	1085+76	PE	-	-	2.5
LT	1092+14	PRA	68.3	7.2	-
RT	1092+41	FE	-	-	3.3
RT	1094+64	CE	-	-	4.6
RT	1101+25	PE	-	-	4.4
RT	1104+55	PE	-	-	2.1
LT	1106+05	CE	-	-	10.5
RT	1106+09	PE	-	-	4.5
RT	1107+27	PE	-	-	2.6
RT	1108+20	FE	-	-	2.7
LT	1117+69	CE	68.3	7.2	-
RT	1117+86	CE	-	-	1.8
LT	1120+79	CE	60.6	6.4	-
LT	1122+01	PRA	38.9	8.2	-
RT	1122+13	CE	113.3	11.9	-
LT	1123+86	MBT1	-	-	2.5
LT	1124+08	PE	-	-	1.7
LT	1125+54	MBT1	-	-	2.5
LT	1125+70	PRA	28.9	3.0	-
RT	1126+82	CE	95.6	10.0	-
LT	1128+76	CE	71.7	7.5	-
RT	1128+76	CE	94.4	9.9	-
LT	1129+42	PRA	32.8	6.9	-
LT	1129+64	CE	16.7	1.8	-
RT	1129+64	CE	30.0	3.2	-
RT	1130+61	CE	63.3	6.7	-
RT	1132+06	CE	43.3	4.6	-
LT	1132+26	PE	16.1	1.7	-
RT	1132+73	CE	49.4	5.2	-
RT	1133+04	PRA	31.1	6.5	-
LT	1134+12	CE	-	-	7.3
RT	1134+43	MBT1	-	-	2.5
LT	1134+57	PE	-	-	1.4
RT	1135+49	CE	-	-	6.0
LT	1135+85	PE	-	-	1.9
RT	1136+22	CE	-	-	3.5
LT	1136+63	MBT1	-	-	2.5
LT	1136+91	PE	-	-	1.2
RT	1137+35	CE	-	-	3.2
LT	1138+09	CE	151.1	15.9	-
RT	1138+09	CE	45.6	4.8	-
TOTALS:			3965	584	469

- RESURFACING LEGNTH = 50'
- RESURFACING LEGNTH = 65'



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	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

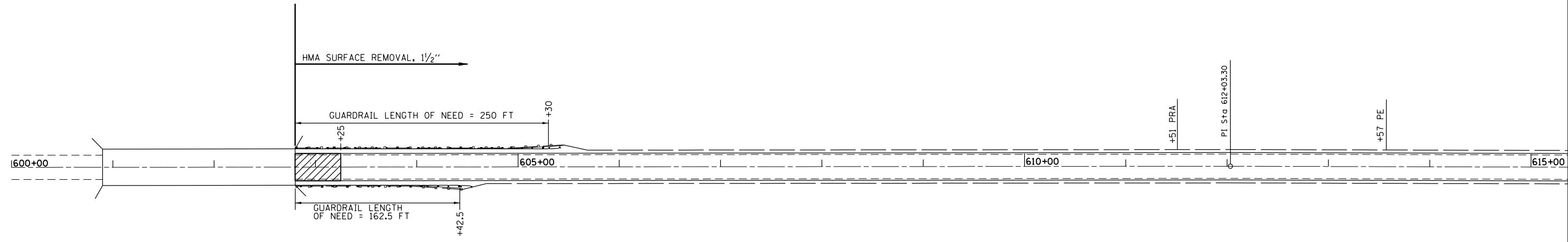
TIE POINTS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

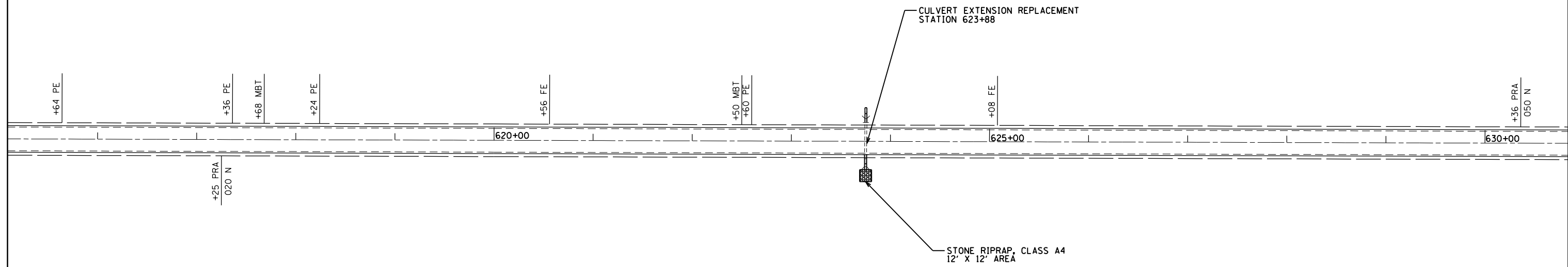
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332	13RS-4,(14,15)RS-3	LAWRENCE	54	15
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



PROJECT BEGINS
STA. 602+80



HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT



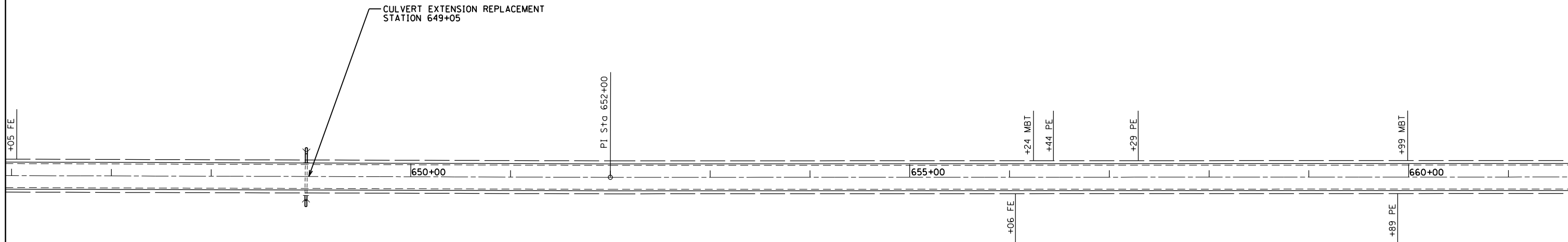
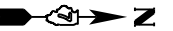
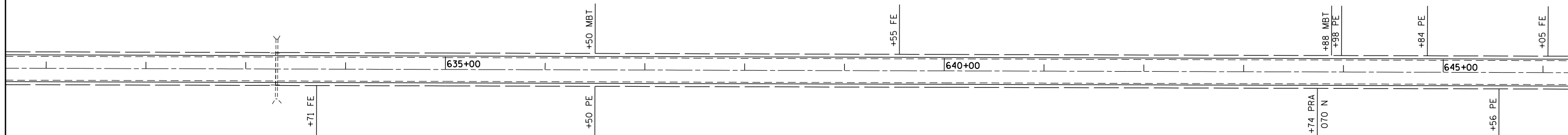
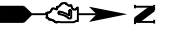
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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 1 OF 18 SHEETS STA. 600+00 TO STA. 630+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	16
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



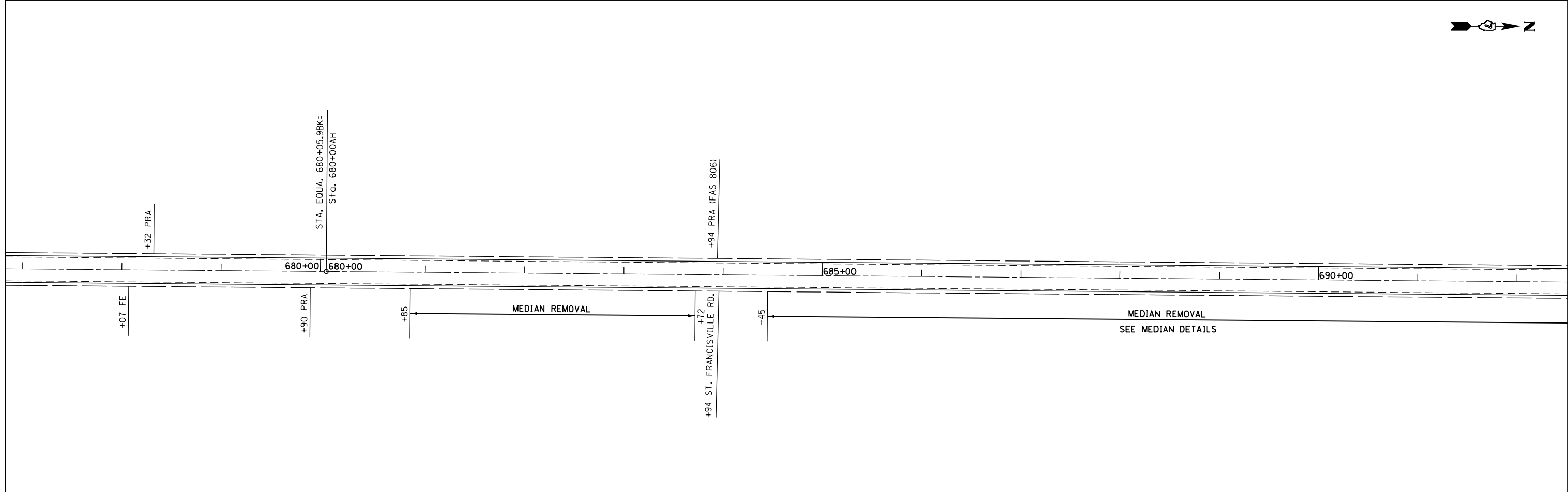
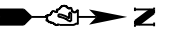
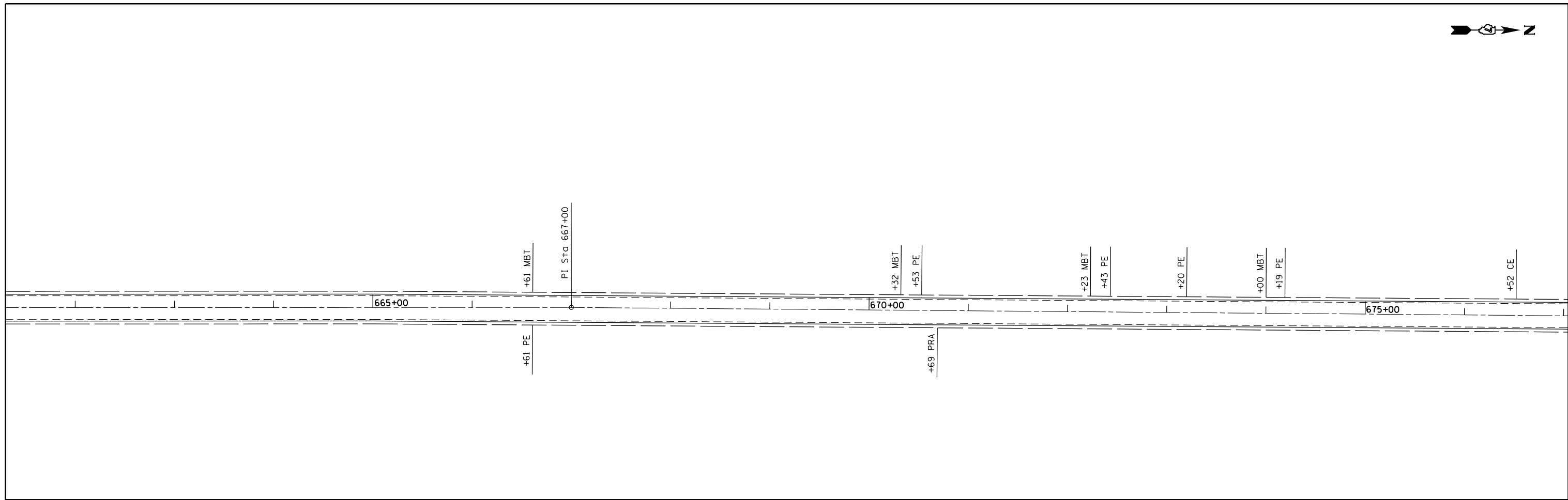
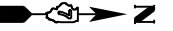
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 2 OF 18 SHEETS STA. 630+00 TO STA. 661+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	17
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	



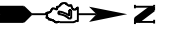
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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 3 OF 18 SHEETS STA. 661+00 TO STA. 692+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	18
				CONTRACT NO. 74411
ILLINOIS FED. AID PROJECT				



CULVERT EXTENSION REPLACEMENT
STATION 699+07

PI Sta 693+00

695+00

700+00

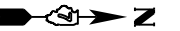
705+00

+57

+01 PRA

+00 MBT
+13 PE

+01 FE



+50 FE

+80 MBT

+12 PE

+78 PE

+60 MBT

+84 PE

710+00

715+00

720+00

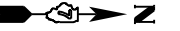
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

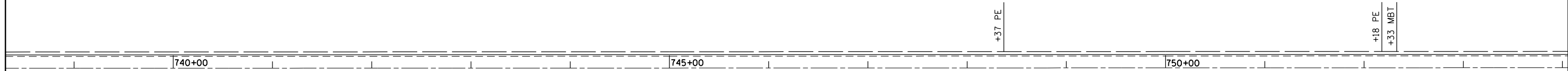
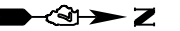
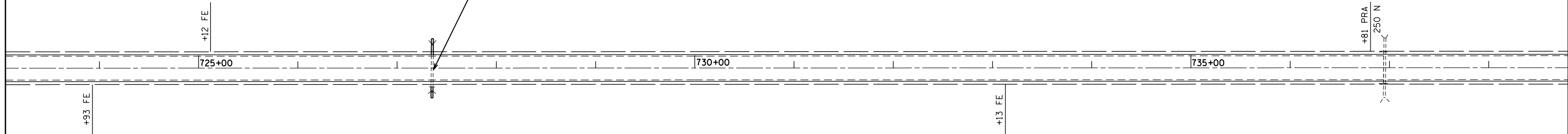
PLAN SHEETS

SCALE: 50 SHEET 4 OF 18 SHEETS STA. 692+00 TO STA. 723+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	19
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	



CULVERT EXTENSION REPLACEMENT
STATION 727+35



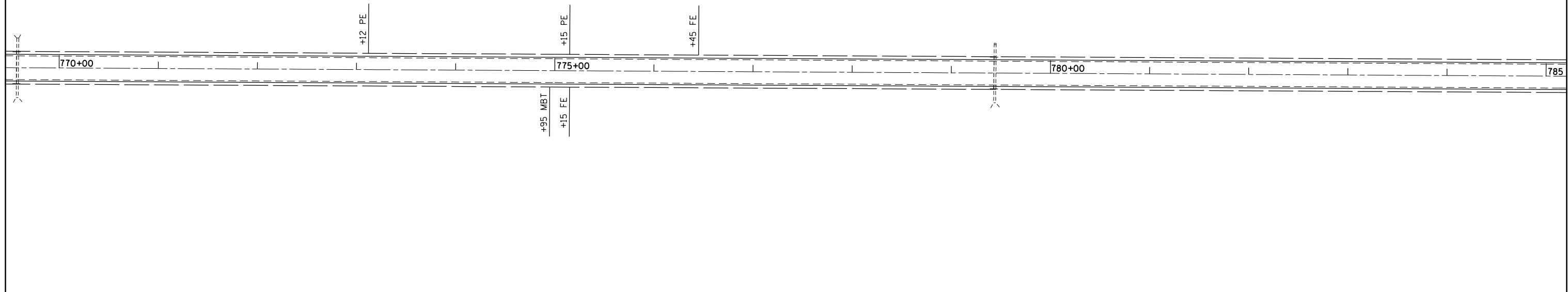
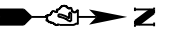
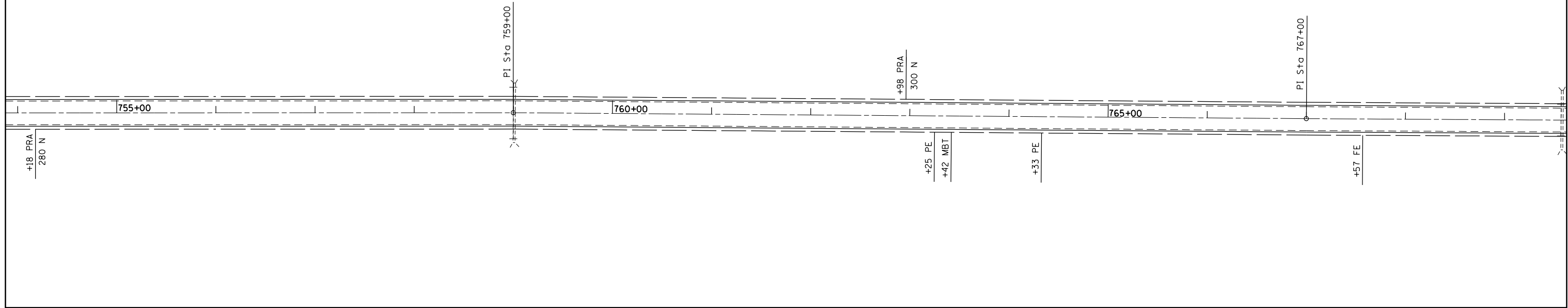
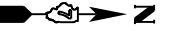
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 5 OF 18 SHEETS STA. 723+00 TO STA. 754+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	20
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	



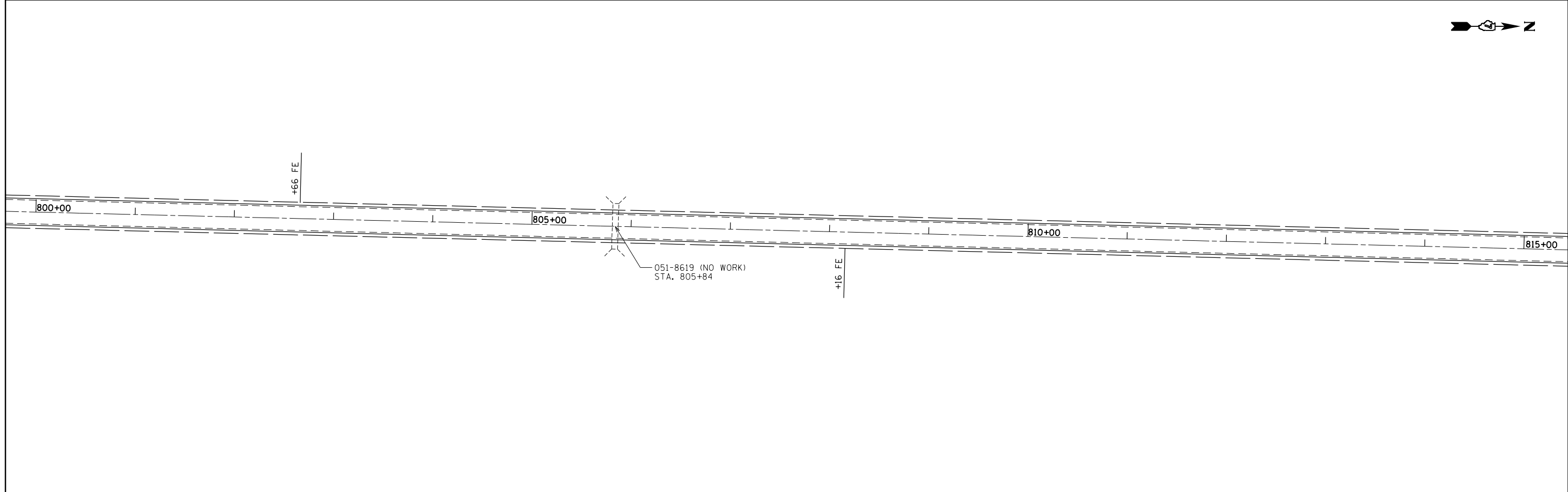
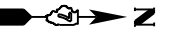
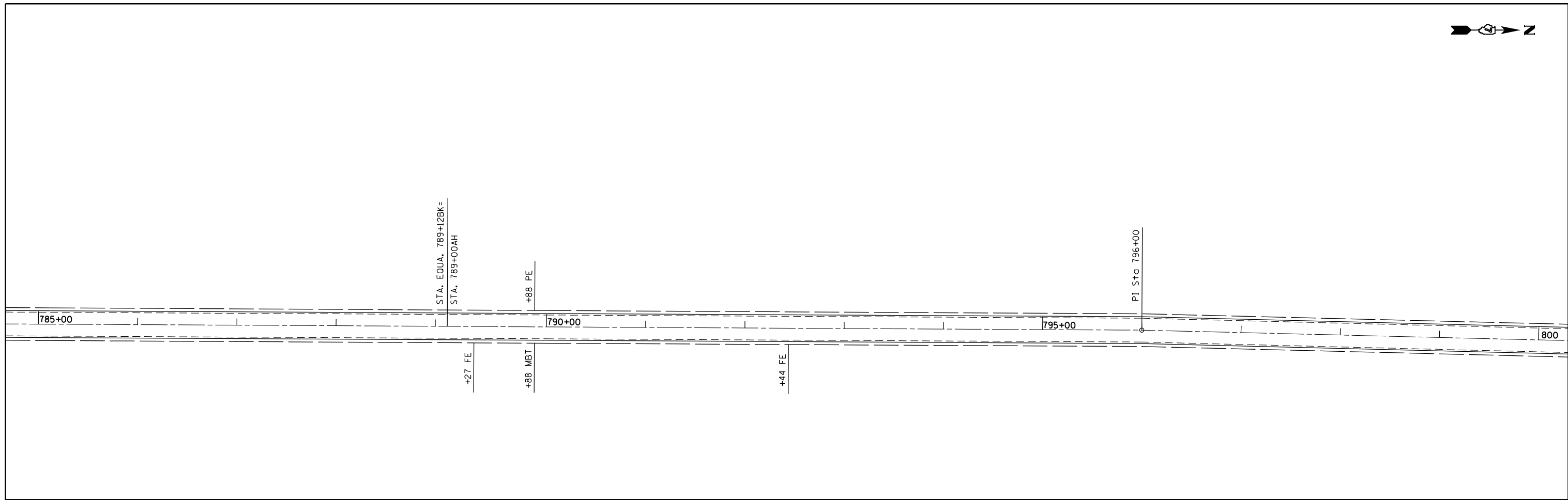
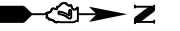
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 6 OF 18 SHEETS STA. 754+00 TO STA. 785+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	21
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	



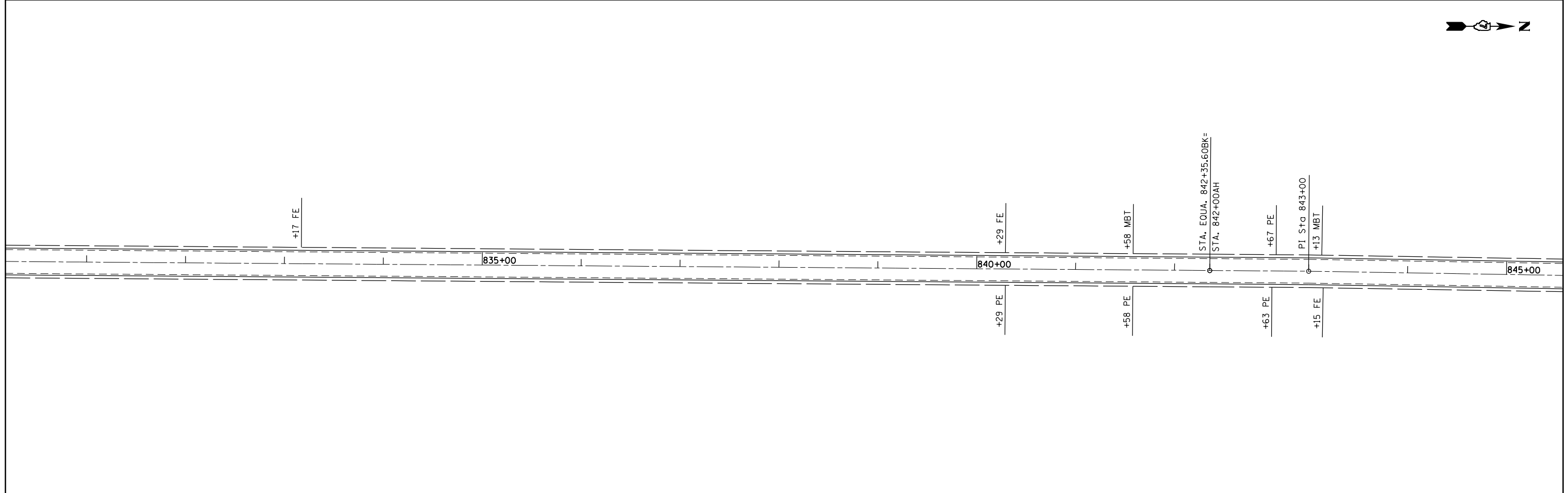
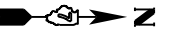
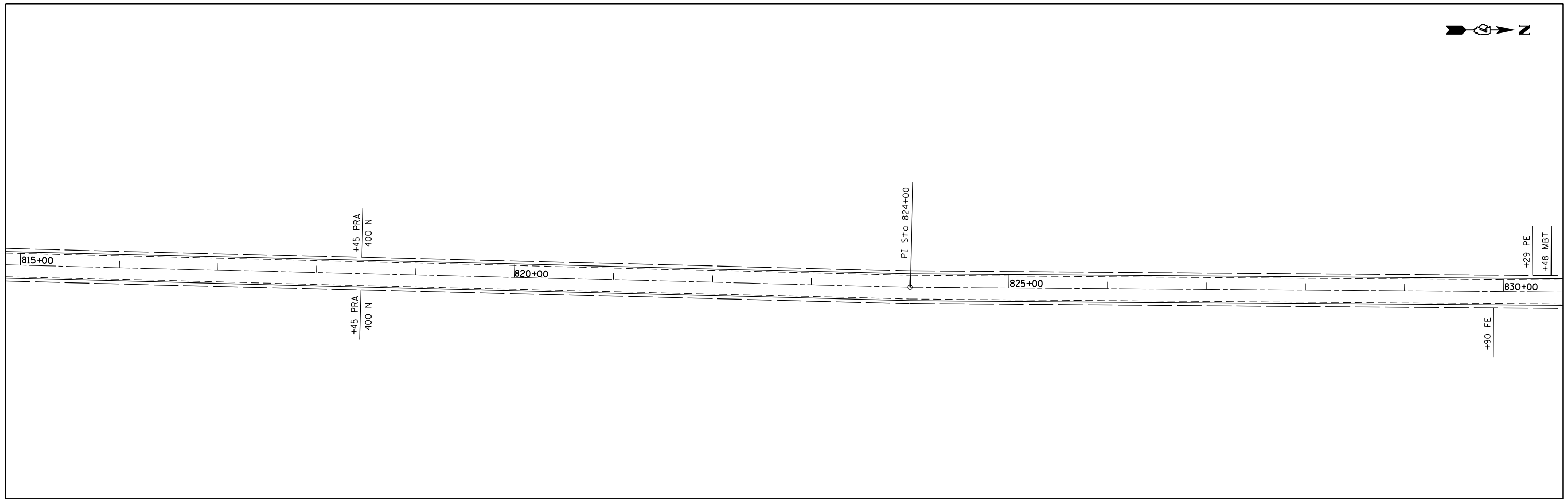
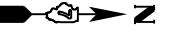
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 7 OF 18 SHEETS STA. 785+00 TO STA. 815+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	22
				CONTRACT NO. 74411
ILLINOIS FED. AID PROJECT				



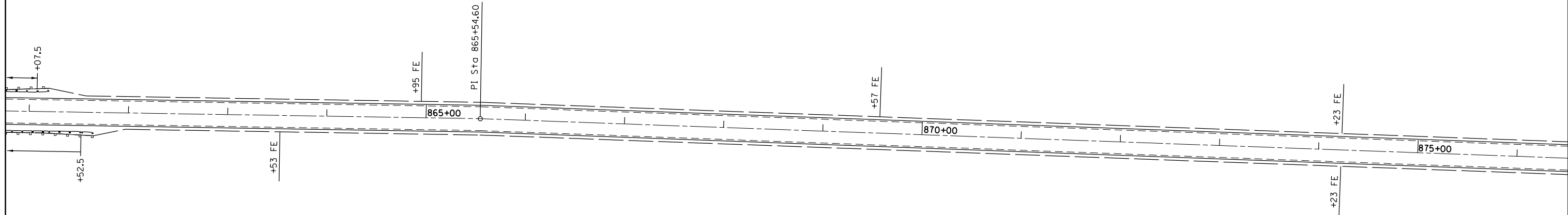
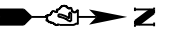
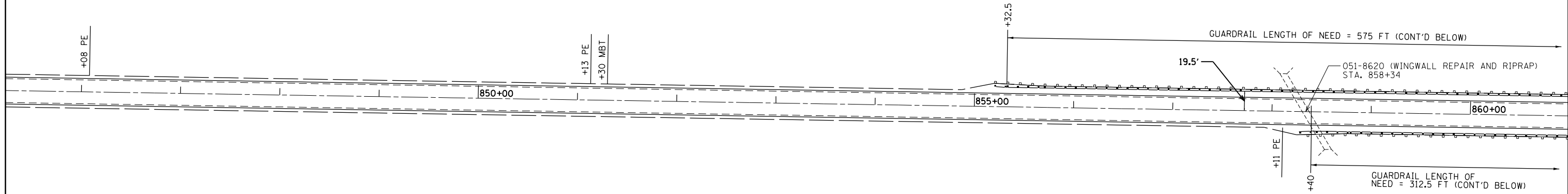
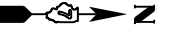
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 8 OF 18 SHEETS STA. 815+00 TO STA. 845+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	23
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	



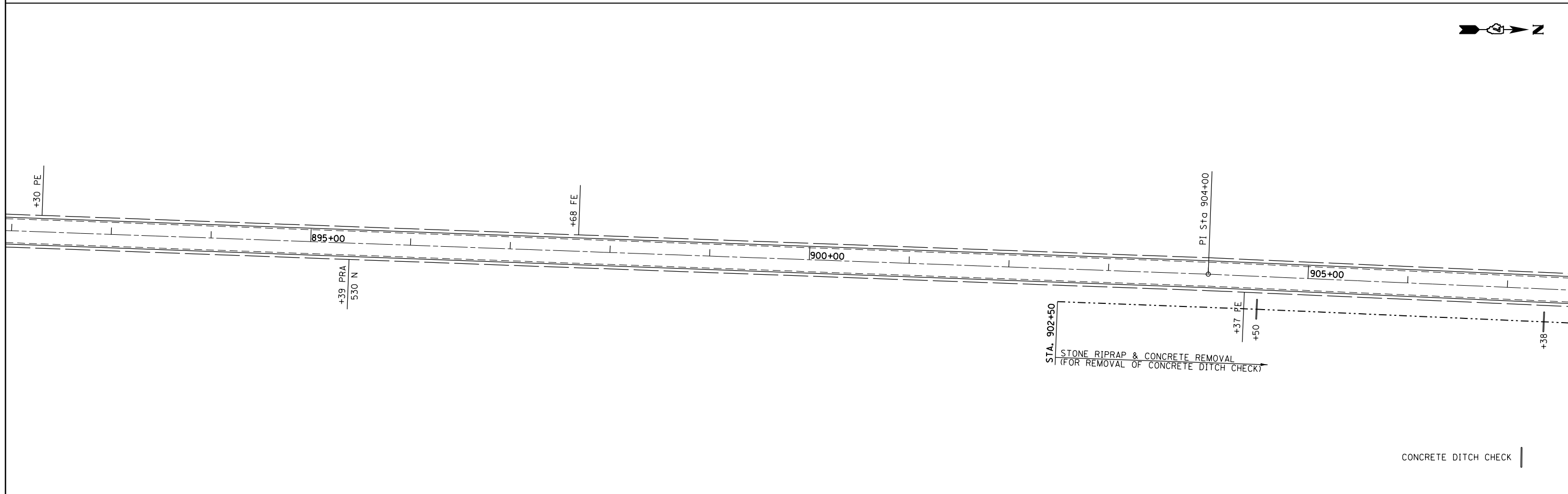
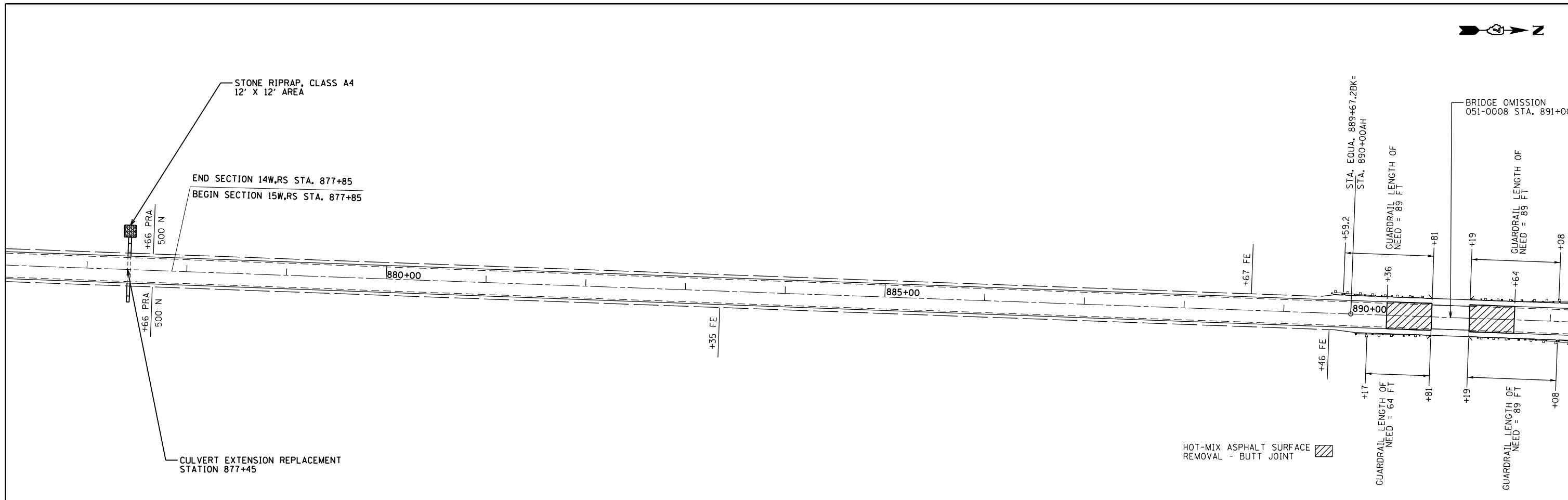
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

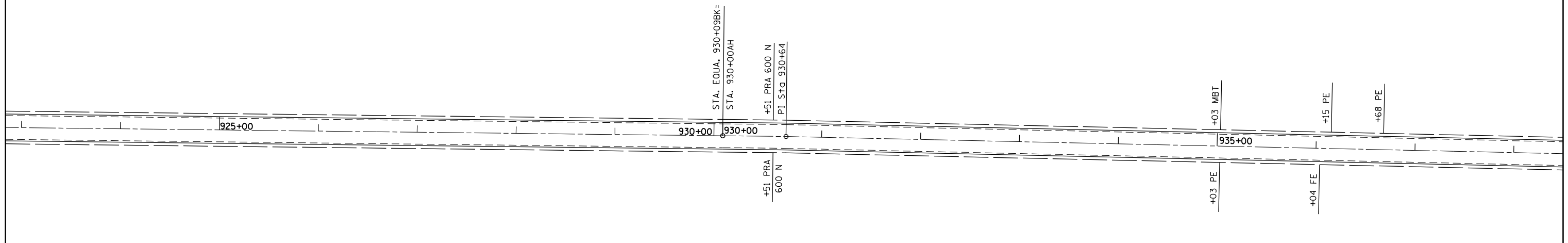
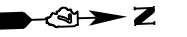
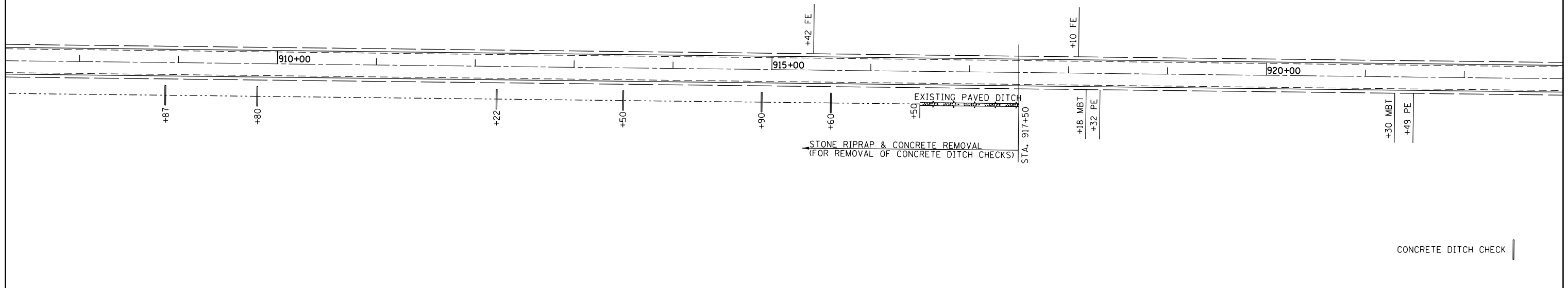
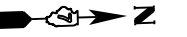
PLAN SHEETS

SCALE: 50 SHEET 9 OF 18 SHEETS STA. 845+00 TO STA. 876+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	24
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLP DATE = 12/13/2019	DATE -	REVISED -		SCALE: 50 SHEET 10 OF 18 SHEETS STA. 876+00 TO STA. 907+00			CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT												



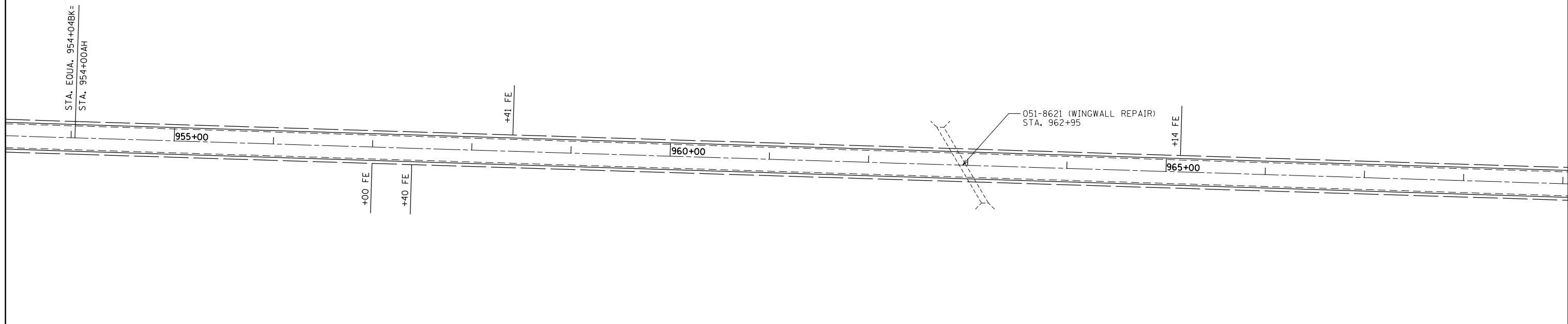
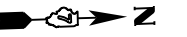
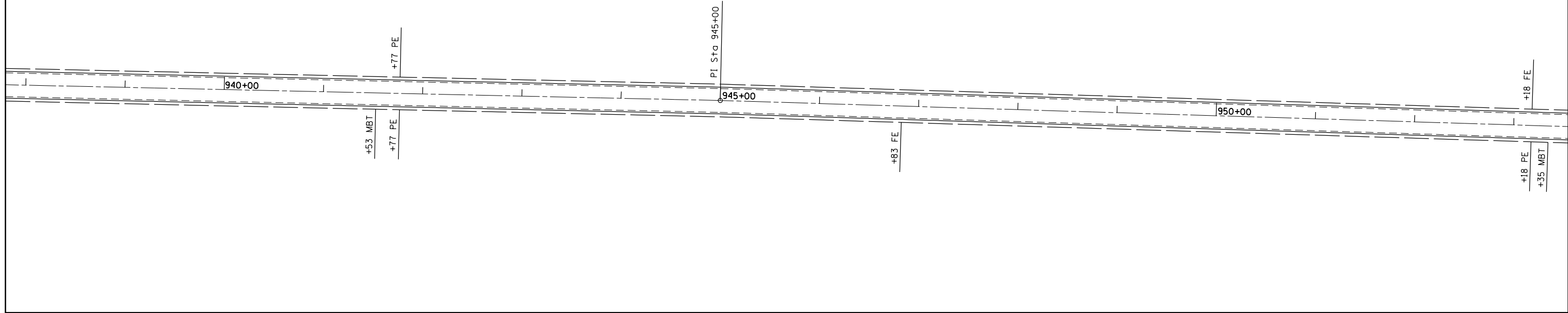
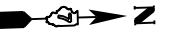
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	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 11 OF 18 SHEETS STA. 907+00 TO STA. 937+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	26
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



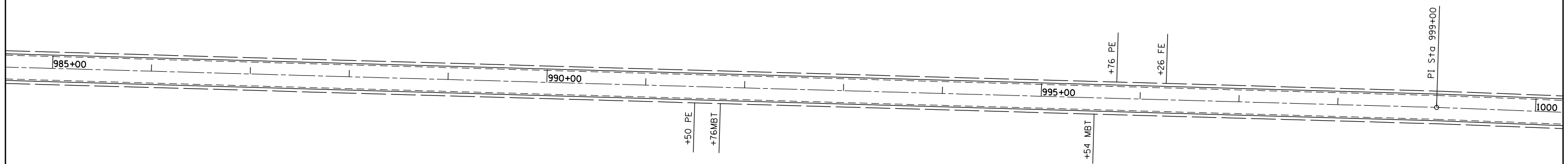
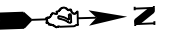
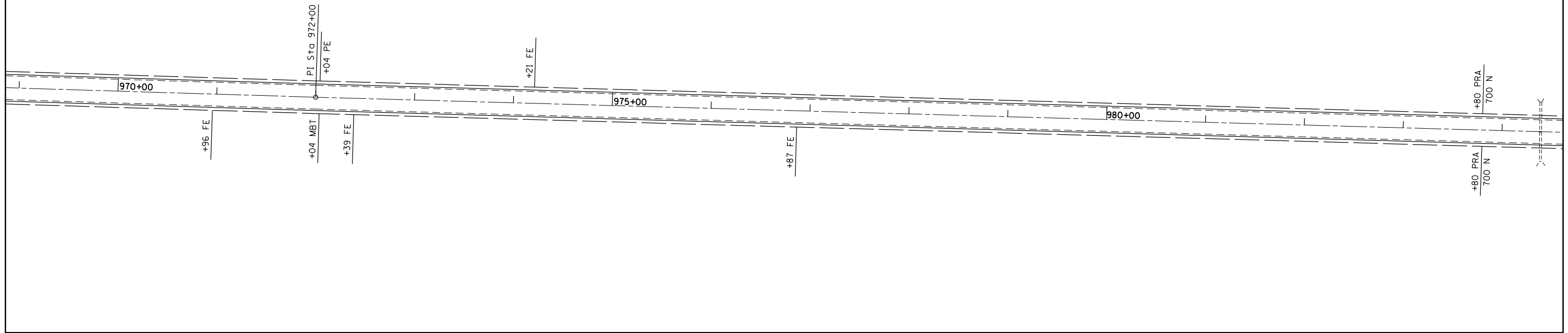
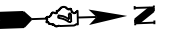
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 12 OF 18 SHEETS STA. 937+00 TO STA. 969+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	27
				CONTRACT NO. 74411
ILLINOIS FED. AID PROJECT				



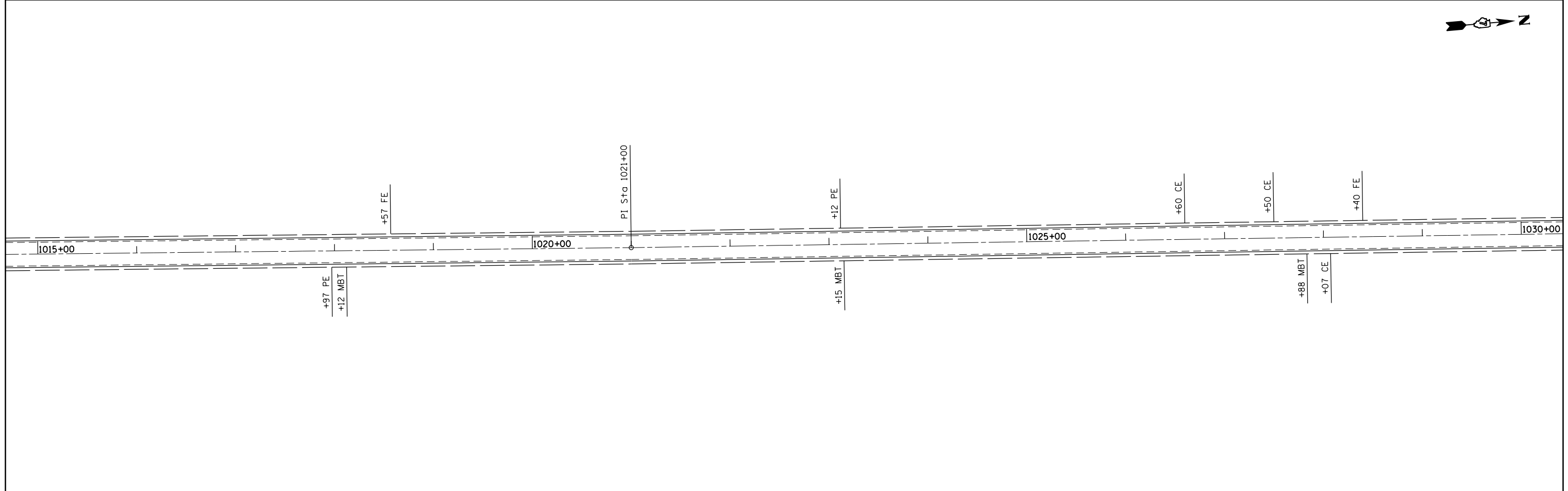
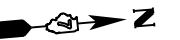
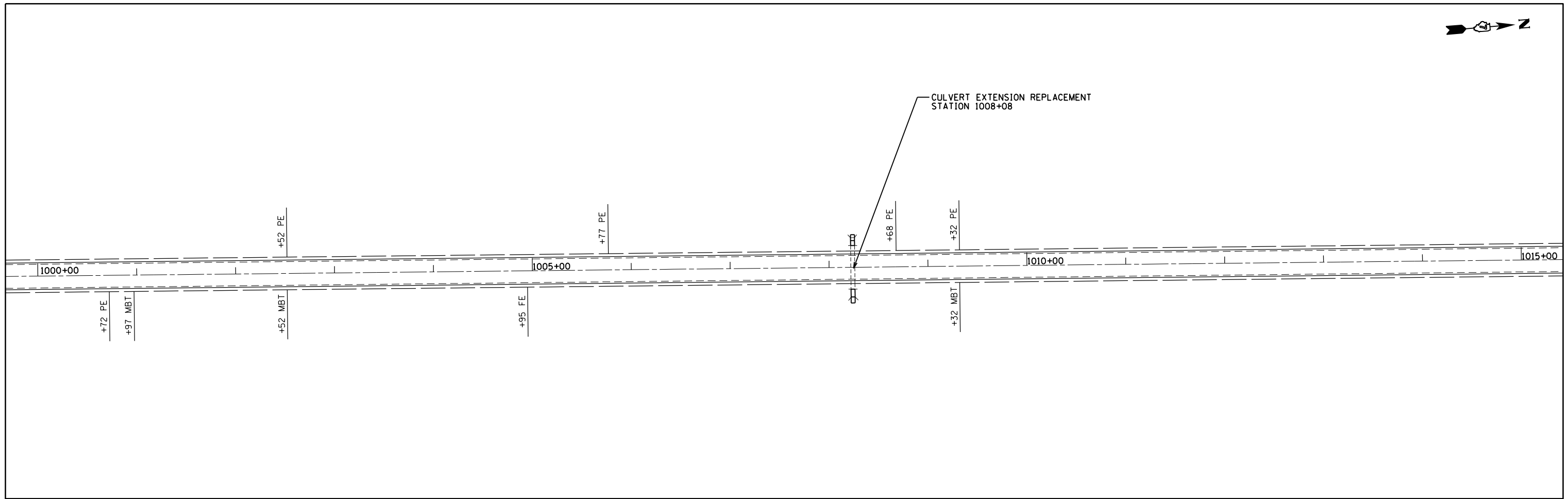
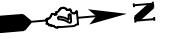
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

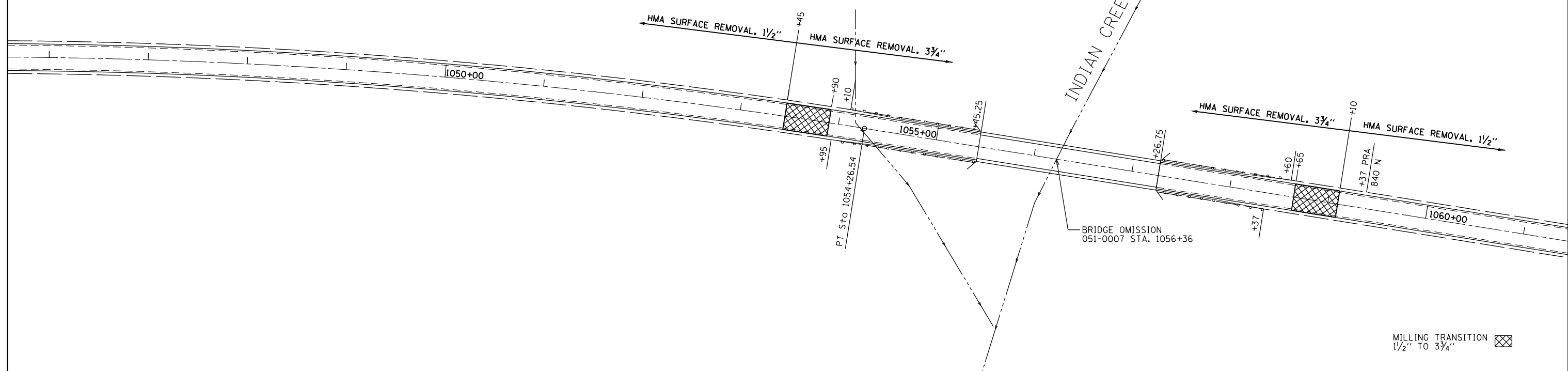
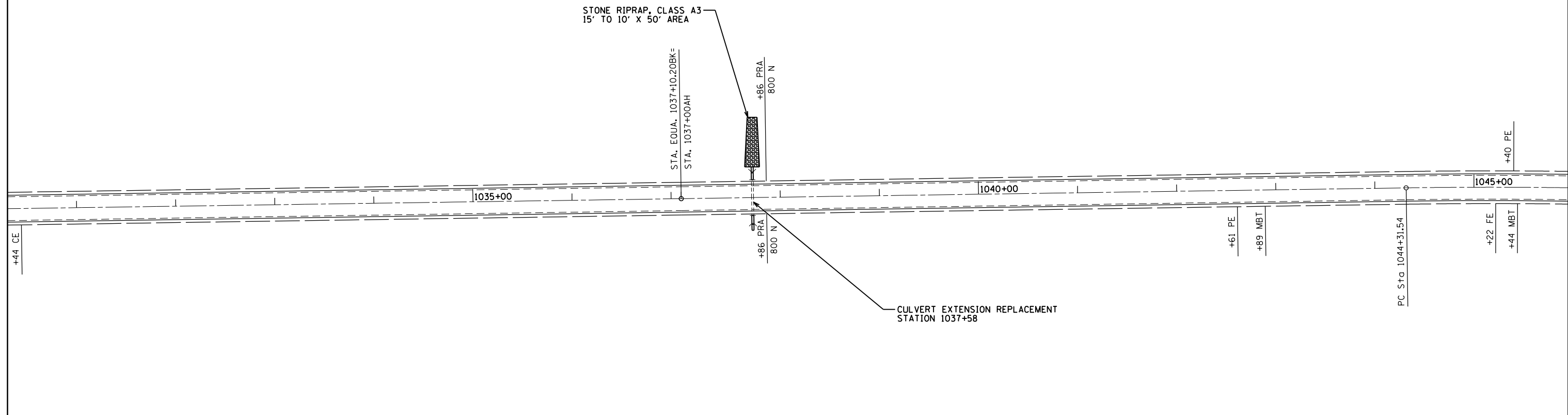
PLAN SHEETS

SCALE: 50 SHEET 13 OF 18 SHEETS STA. 969+00 TO STA. 1000+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	28
				CONTRACT NO. 74411
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: 50 SHEET 14 OF 18 SHEETS STA. 1000+00 TO STA. 1030+00			CONTRACT NO. 74411				
	PLOT DATE = 12/13/2019				ILLINOIS FED. AID PROJECT							



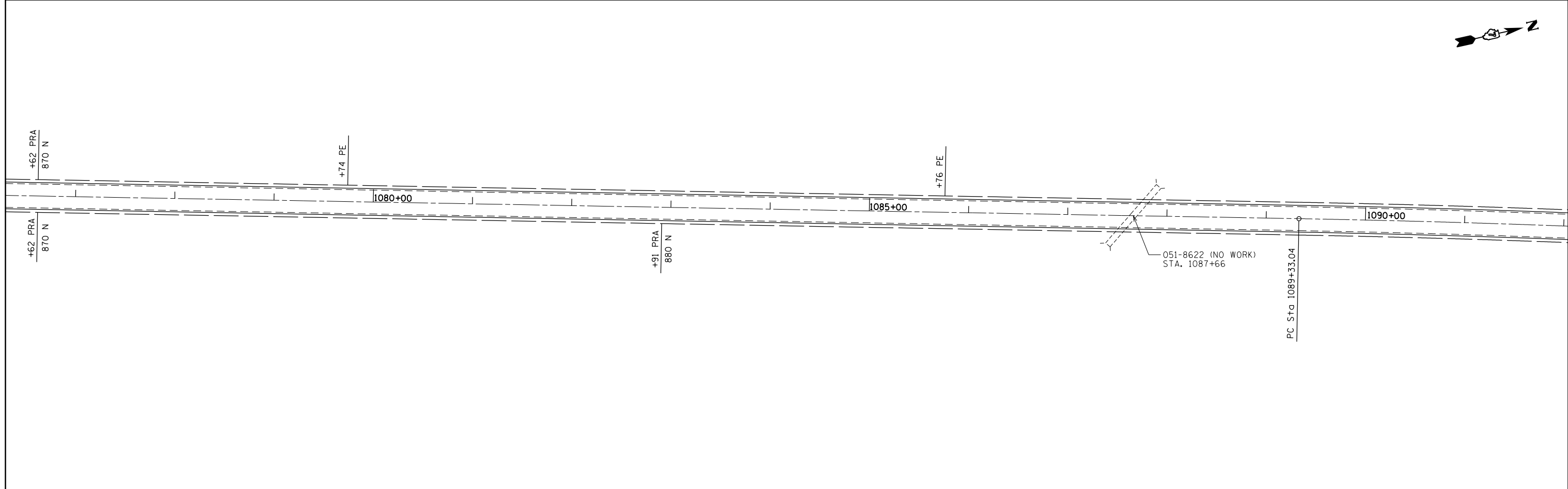
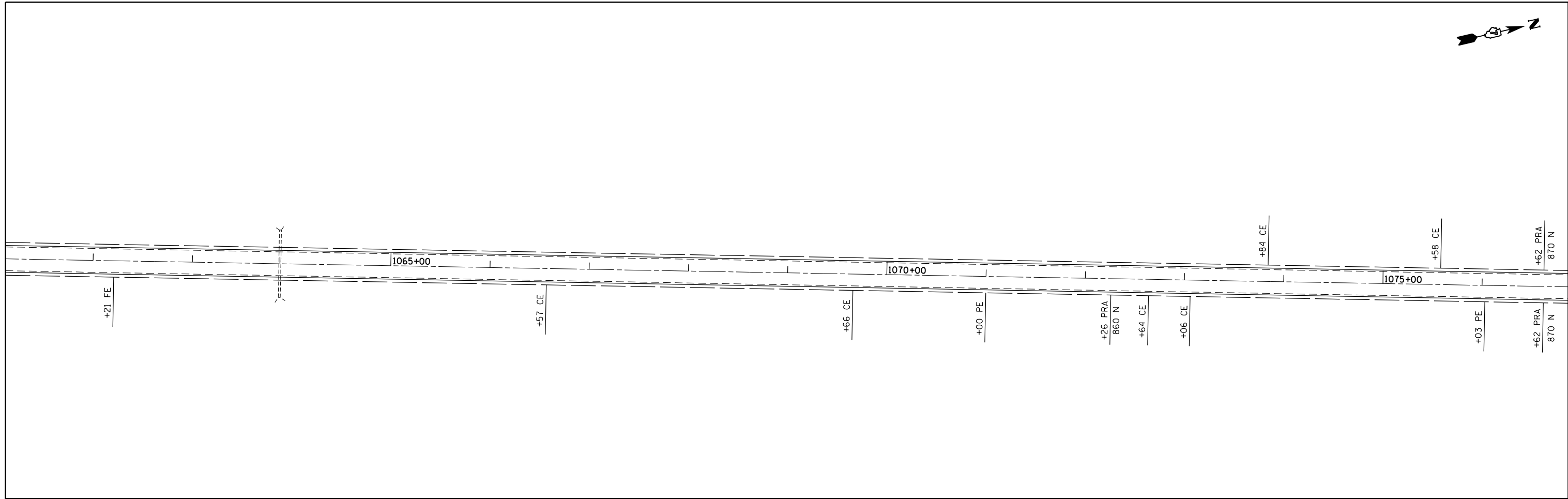
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	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 15 OF 18 SHEETS STA. 1030+00 TO STA. 1061+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	30
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



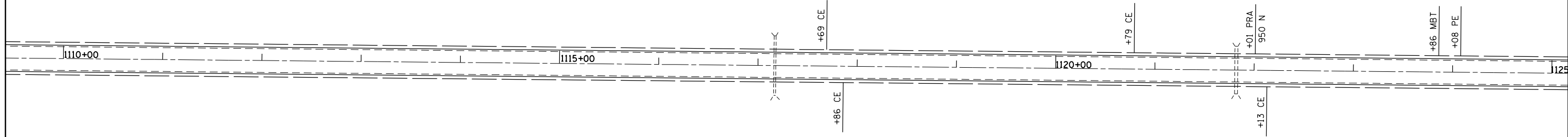
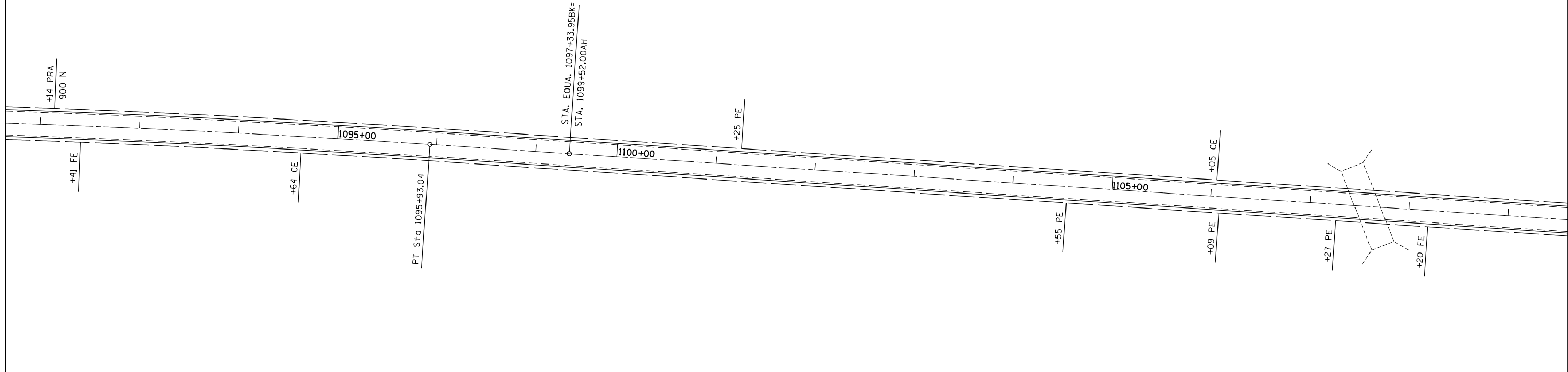
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 16 OF 18 SHEETS STA. 1061+00 TO STA. 1092+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	31
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 50 SHEET 17 OF 18 SHEETS STA. 1092+00 TO STA. 1125+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	32
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				

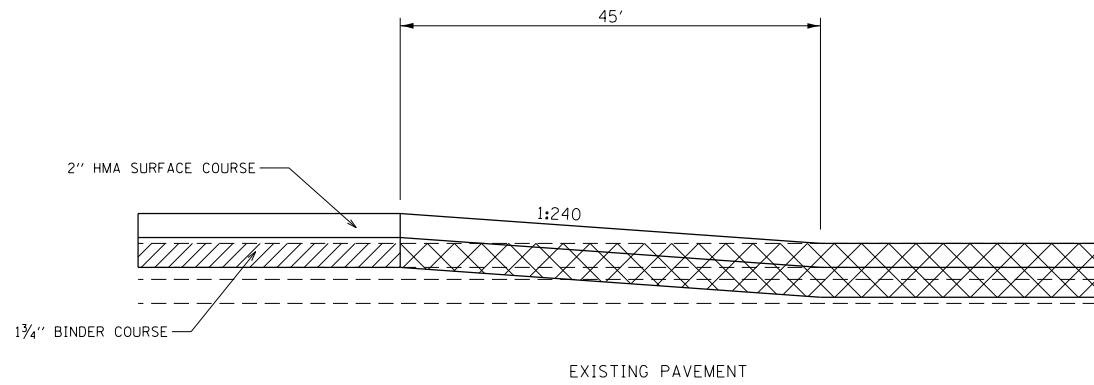


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	PLOT DATE = 12/13/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

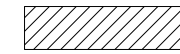

PLAN SHEETS			
SCALE: 50	SHEET 18	OF 18 SHEETS	STA. 1125+00 TO STA. 1138+51

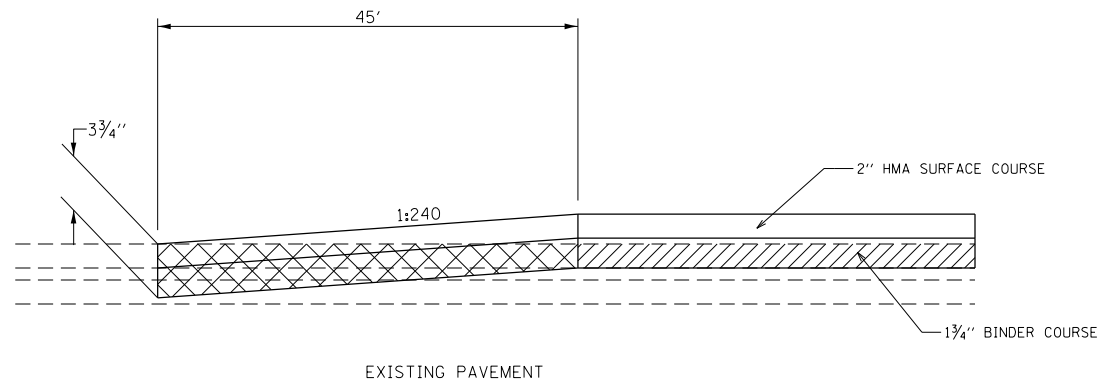
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	33
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



MILLING TRANSITION DETAIL



STA. 1053+45 TO STA. 1053+90
 STA. 1058+65 TO STA. 1059+10
 STA. 1128+10 TO STA. 1128+55

-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
-  HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"



BUTT JOINT DETAIL

STA. 602+80 TO STA. 603+25
 STA. 890+36 TO STA. 890+81
 STA. 891+19 TO STA. 891+64

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

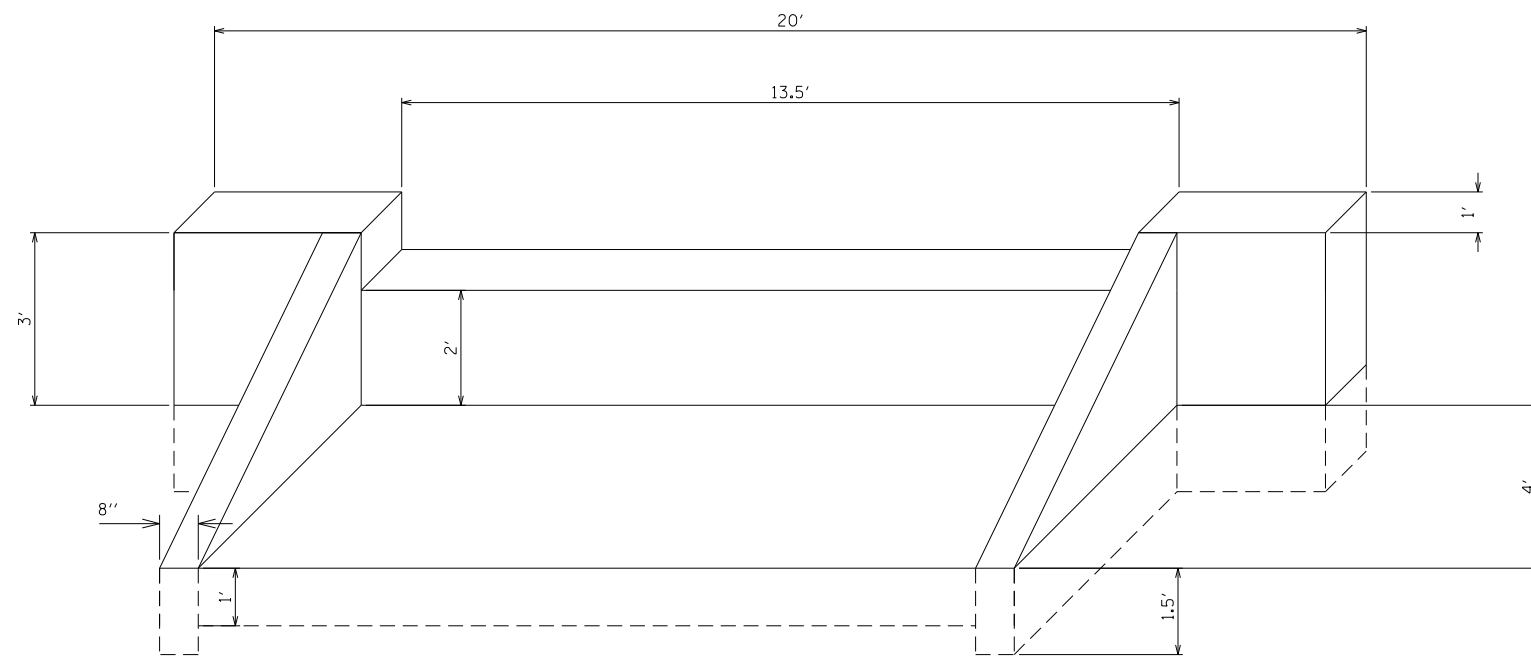
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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVING DETAILS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	34
			CONTRACT NO. 74411	
ILLINOIS FED. AID PROJECT				

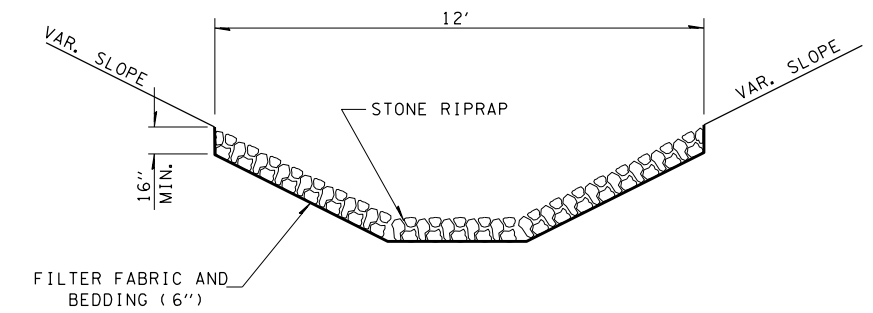


CONCRETE DITCH CHECK REMOVAL DETAIL

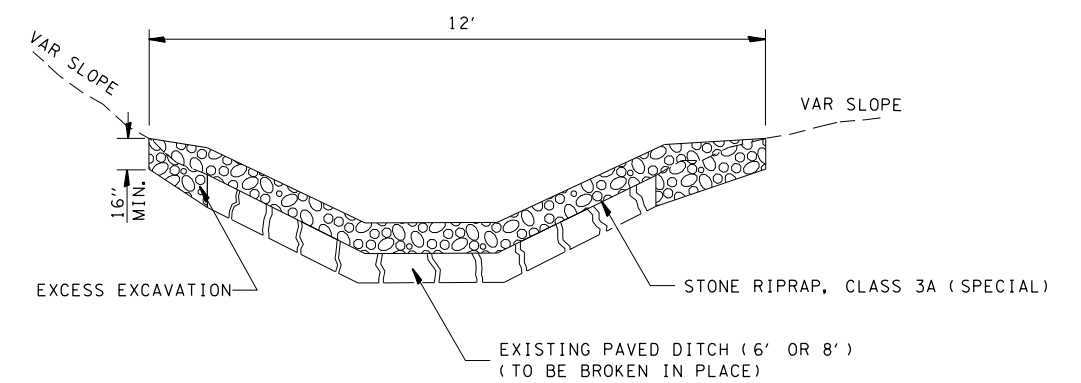
- STA. 904+50 RT
- STA. 907+38 RT
- STA. 908+87 RT
- STA. 909+80 RT
- STA. 912+22 RT
- STA. 913+50 RT
- STA. 914+90 RT
- STA. 915+60 RT

NOTES

THE SIZE OF DITCH CHECKS VARY, THE DETAIL SHOWS THE APPROXIMATE SIZE OF THE DITCH CHECKS. DITCH CHECKS MAY BE CRUSHED AND ADDED TO RIPRAP IF NO REBAR IS PROTRUDING.



DETAIL OF RIPRAP, CLASS A3 AND A4



DETAIL OF STONE RIPRAP, CLASS A3 (SPECIAL)

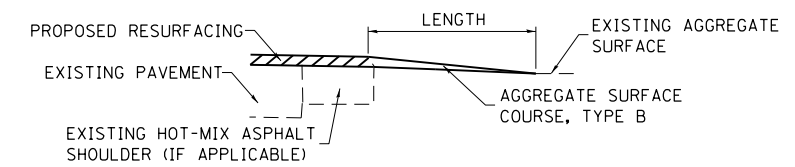
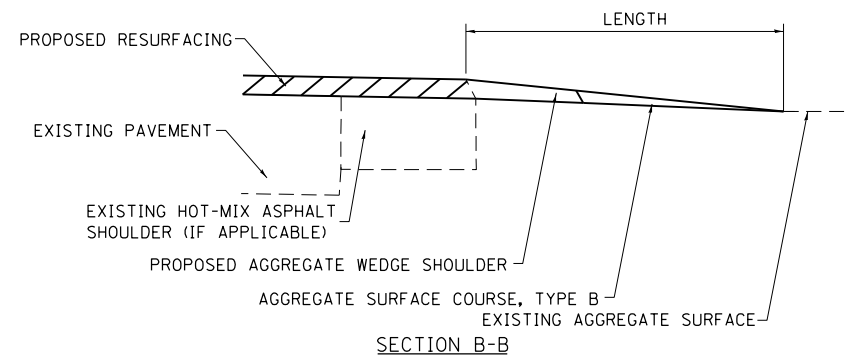
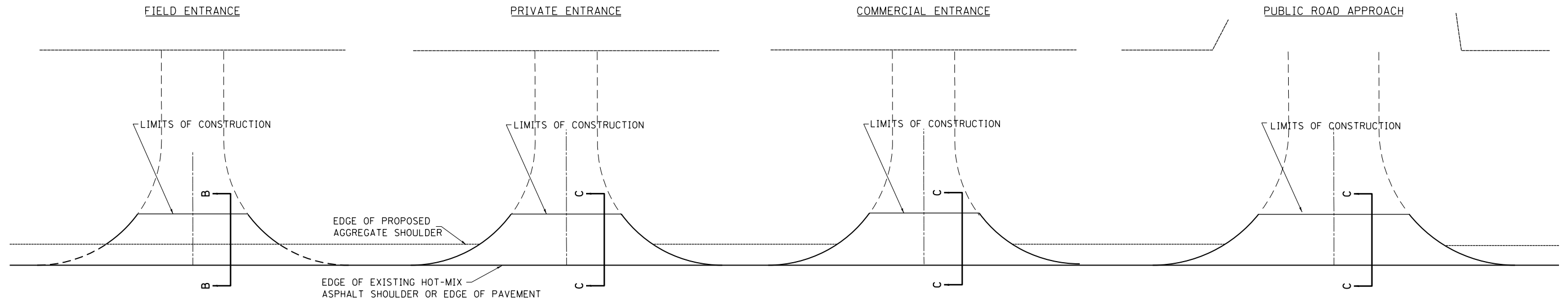
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

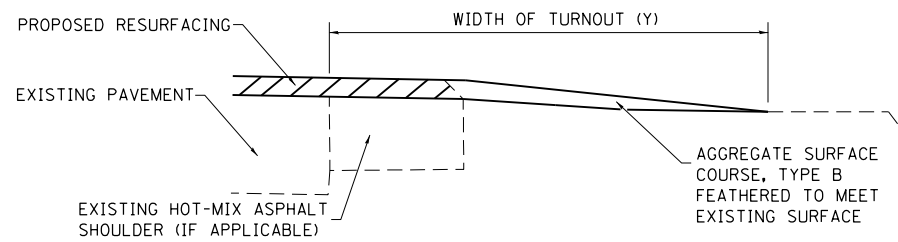
DITCH CHECK & RIPRAP DETAILS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74411	

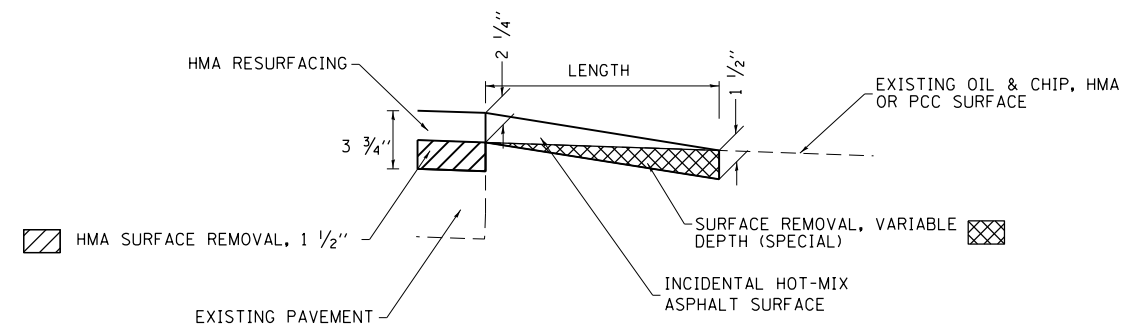


SECTION C-C



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS



SECTION C-C

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

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DRAWN: JLD
CHECKED: JLD
DATE: 12/13/2019

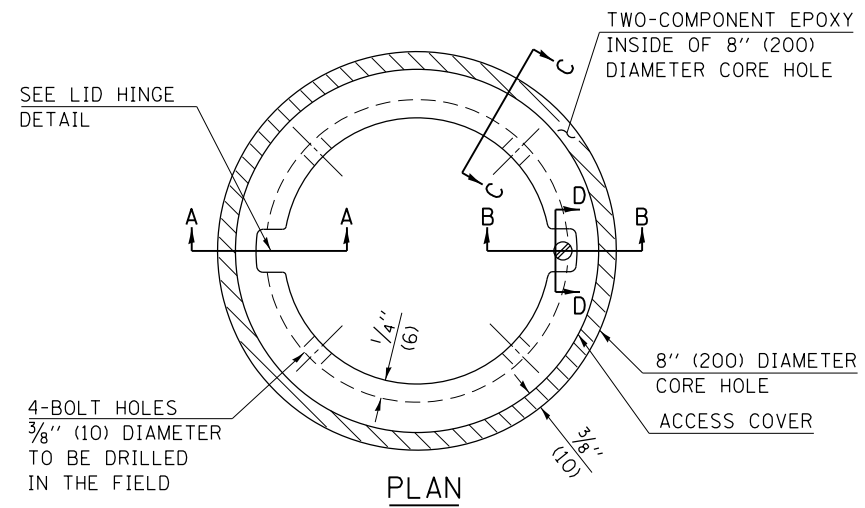
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	DRAWN -	REVISED -
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PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS
WITH SHOULDERS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

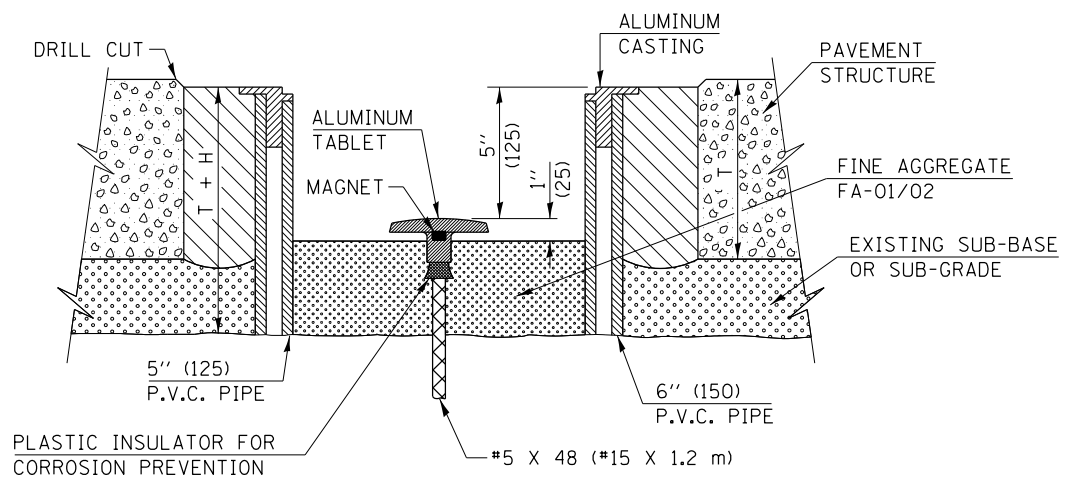
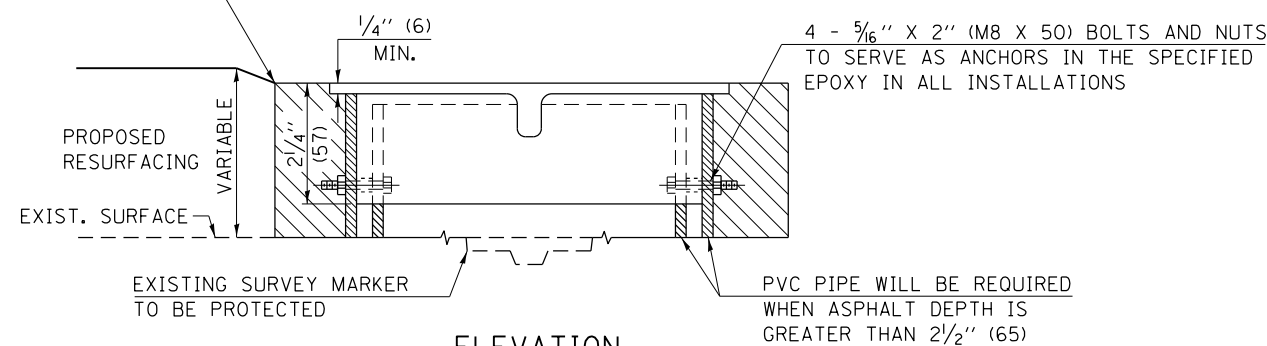
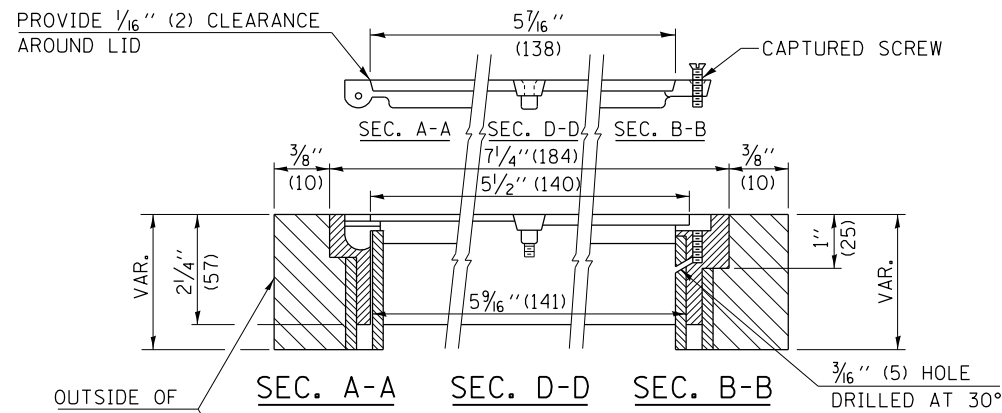
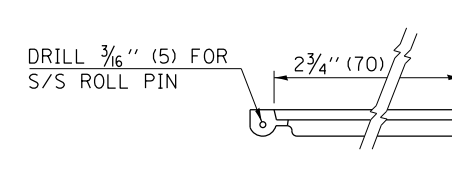
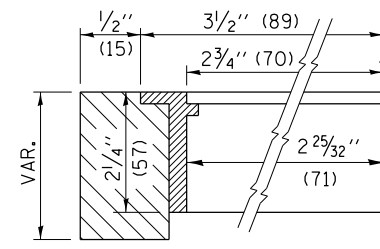
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13 RS-4,(14,15)RS-3	LAWRENCE	54	36
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	



EXISTING SURVEY MARKER

PROPOSED SURVEY MARKER

NOT TO SCALE

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED - MAD 6-11
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAWN\CADsheets\0774411-shd-details.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

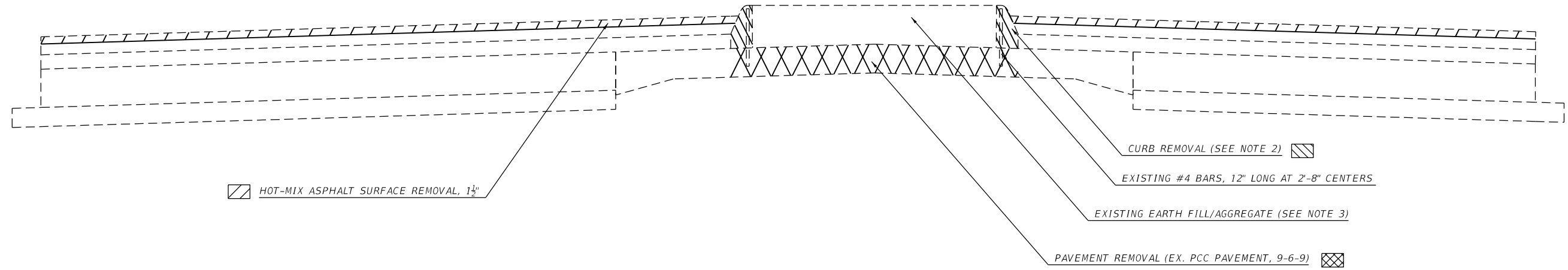
SURVEY MARKER VAULT

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

DISTRICT 7 DETAIL NO. Z0070202

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	37
CONTRACT NO. 74411				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MAINLINE MEDIAN REMOVAL DETAILS



HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"

CURB REMOVAL (SEE NOTE 2)

EXISTING #4 BARS, 12" LONG AT 2'-8" CENTERS

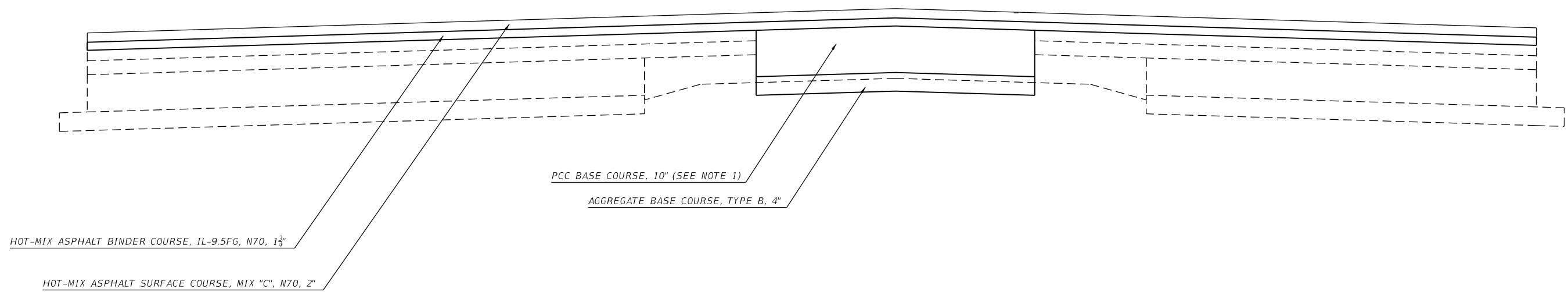
EXISTING EARTH FILL/AGGREGATE (SEE NOTE 3)

PAVEMENT REMOVAL (EX. PCC PAVEMENT, 9-6-9)

NOTES:

1. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE PLACED ALONG THE PCC BASE COURSE JOINT BETWEEN THE HMA BINDER AND HMA SURFACE COURSES.
2. THE REMOVAL OF THE PCC NOSE AT EACH END OF THE MEDIANS SHALL BE INCLUDED IN THE COST OF THE CURB REMOVAL.
3. THE REMOVAL AND DISPOSAL OF THE EARTH FILL/AGGREGATE SHALL BE INCLUDED IN THE COST OF THE PCC BASE COURSE, 10".
4. PRIOR TO THE END OF THE CONSTRUCTION DAY, ALL MEDIAN REMOVED SHALL HAVE AGGREGATE BASE COURSE, 4" PLACED.

MAINLINE MEDIAN REPLACEMENT DETAILS



PCC BASE COURSE, 10" (SEE NOTE 1)

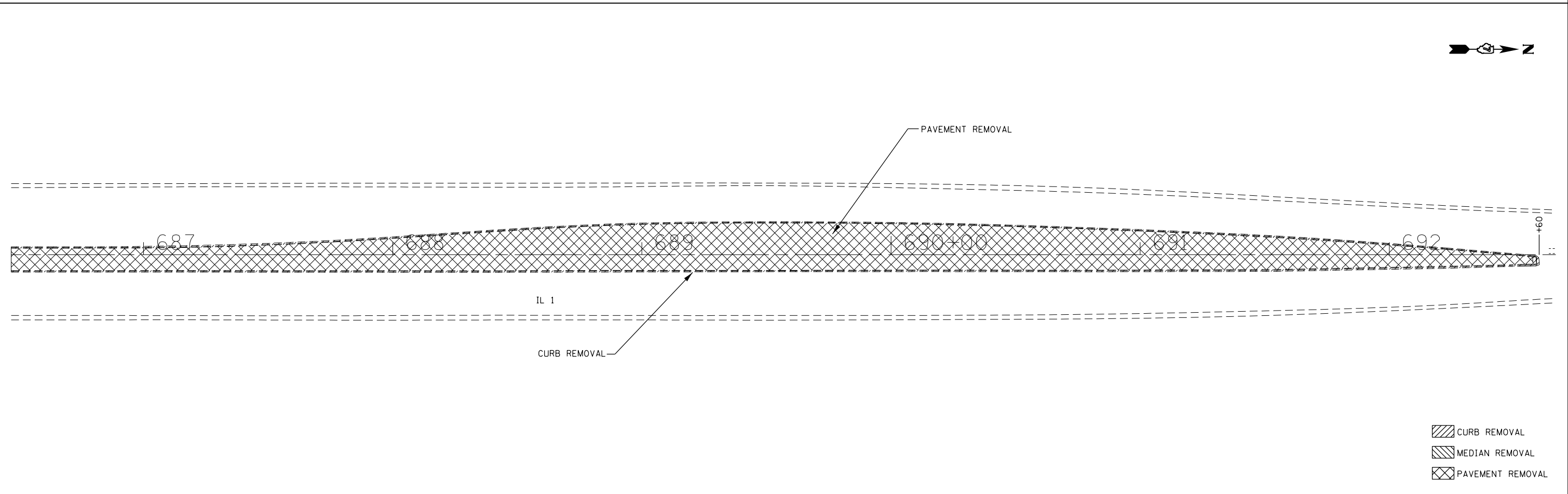
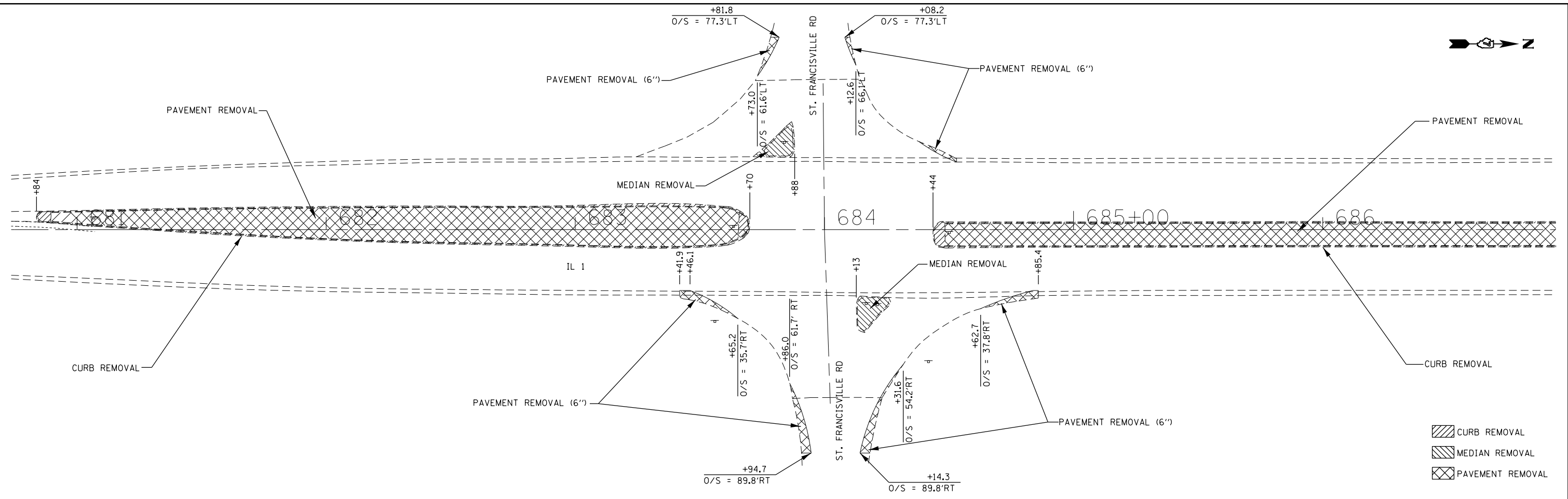
AGGREGATE BASE COURSE, TYPE B, 4"

HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70, 1 3/4"

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEDIAN REMOVAL DETAIL ST. FRANCISVILLE RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	STA. 680+00	TO STA. 695+00			

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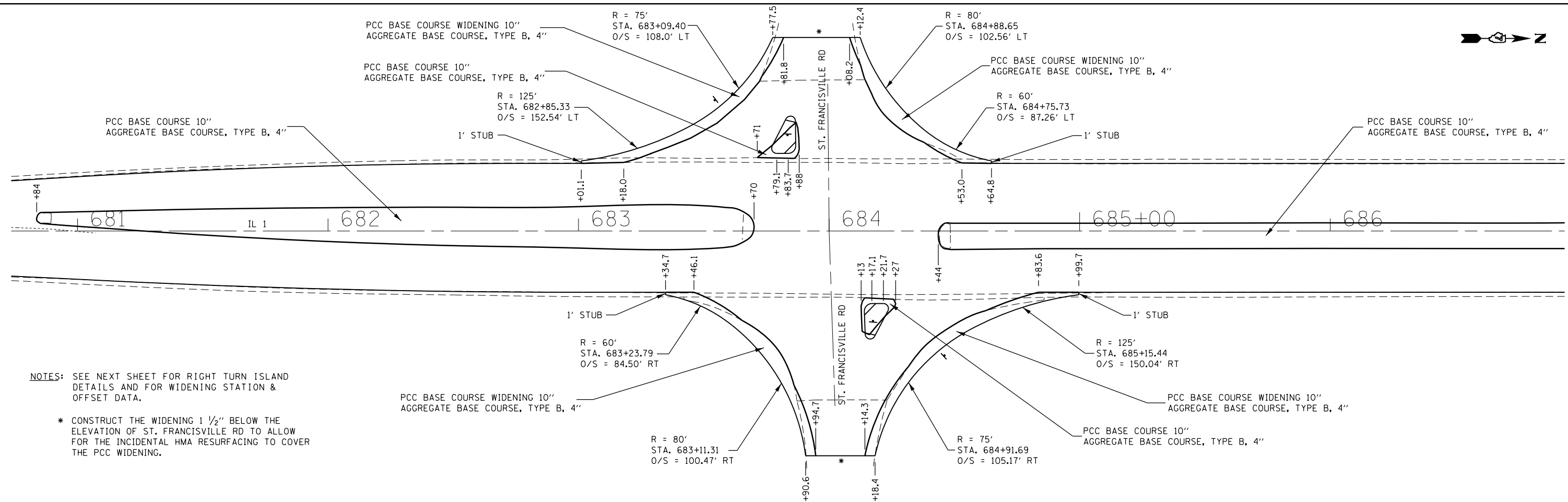
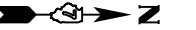
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PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL 1 & ST. FRANCISVILLE RD.

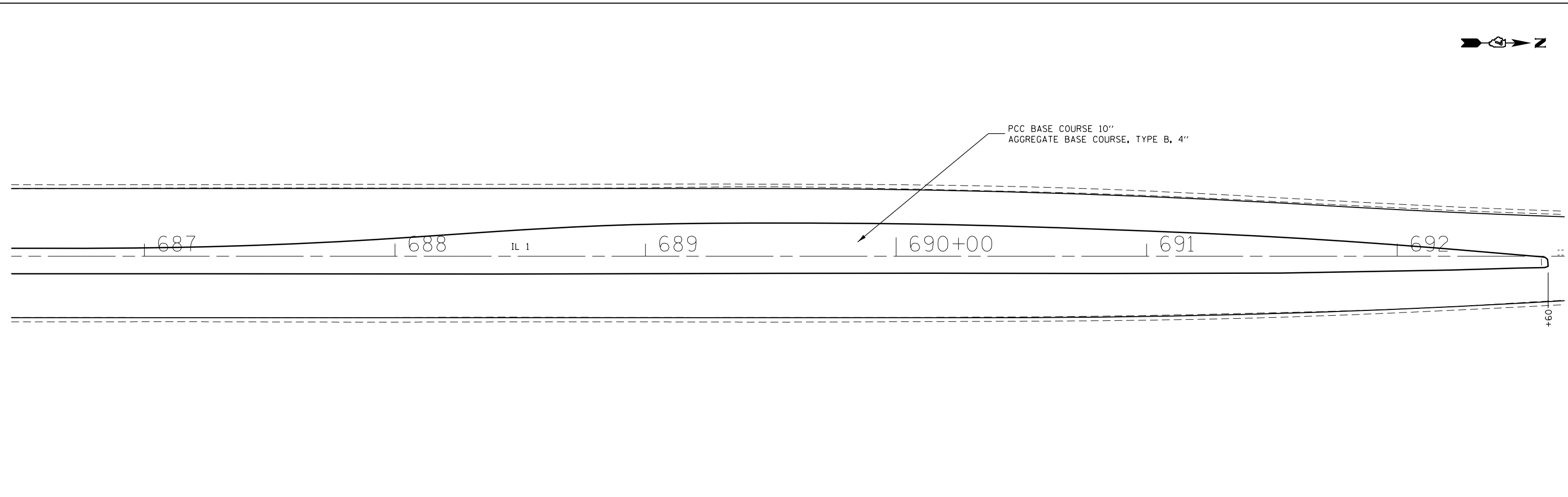
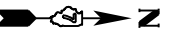
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	39
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



NOTES: SEE NEXT SHEET FOR RIGHT TURN ISLAND DETAILS AND FOR WIDENING STATION & OFFSET DATA.

* CONSTRUCT THE WIDENING 1 1/2" BELOW THE ELEVATION OF ST. FRANCISVILLE RD TO ALLOW FOR THE INCIDENTAL HMA RESURFACING TO COVER THE PCC WIDENING.



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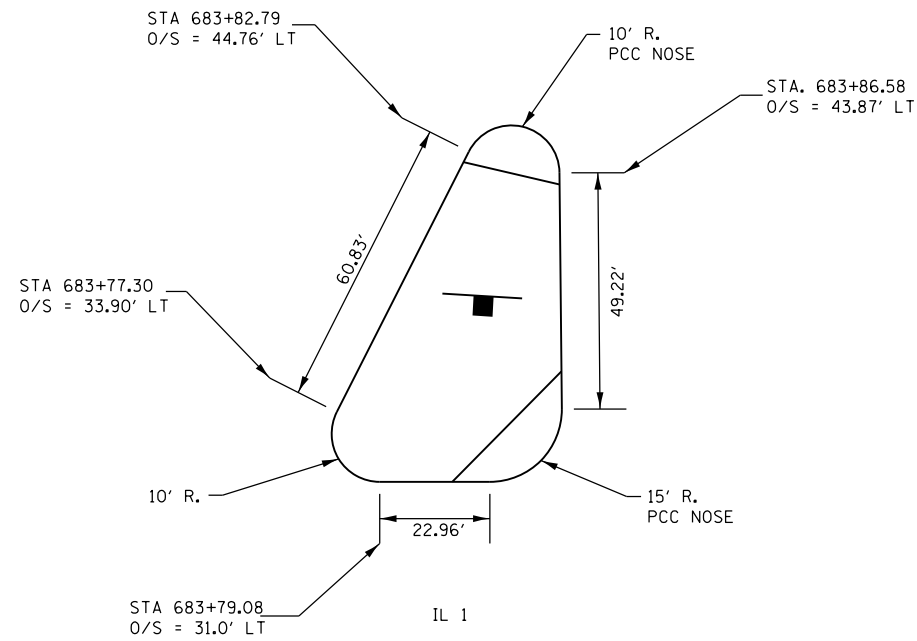
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PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

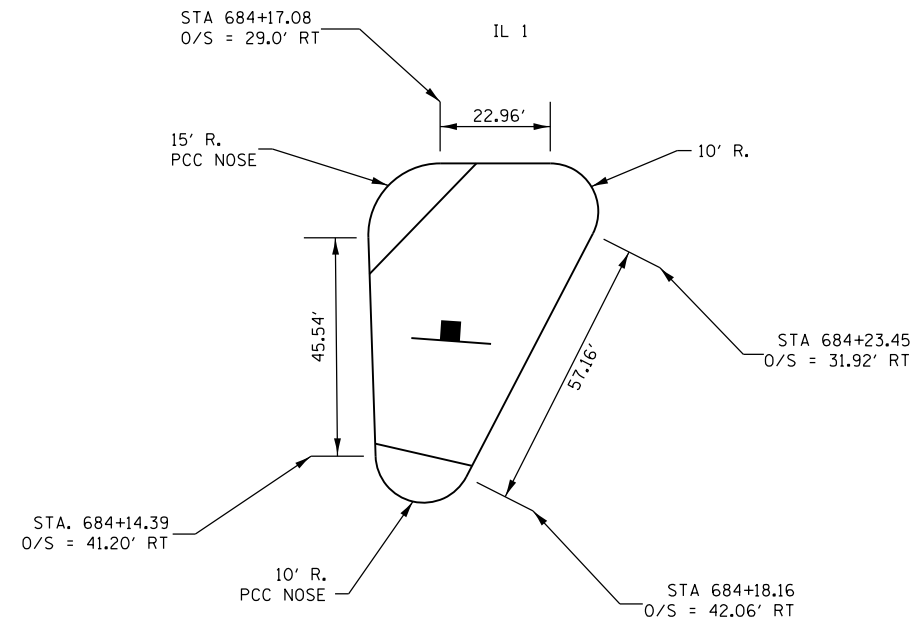
INTERSECTION DETAILS IL 1 & ST. FRANCISVILLE RD.			
SCALE:	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	40
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				

WEST RT TURN ISLAND



EAST RT TURN ISLAND



PCC BASE COURSE WIDENING
STATION & OFFSETS

SW QUAD		
STATION	OFFSET FEET	SIDE
683+01.11	28.00	LT
683+10	29.46	LT
683+20	31.91	LT
683+30	35.26	LT
683+40	39.59	LT
683+50	45.15	LT
683+60	52.94	LT
683+70	64.26	LT
683+77.48	77.25	LT

NW QUAD		
STATION	OFFSET FEET	SIDE
684+12.40	77.25	LT
684+20	60.90	LT
684+30	47.77	LT
684+40	38.80	LT
684+50	32.80	LT
684+60	29.10	LT
684+64.82	28.00	LT

SE QUAD		
STATION	OFFSET FEET	SIDE
683+34.70	25.50	RT
683+40	26.73	RT
683+50	30.53	RT
683+60	36.66	RT
683+70	45.77	RT
683+80	59.12	RT
683+90	85.73	RT
683+90.63	89.75	RT

NE QUAD		
STATION	OFFSET FEET	SIDE
684+18.36	89.75	RT
684+20	83.47	RT
684+30	62.84	RT
684+40	51.16	RT
684+50	43.16	RT
684+60	32.47	RT
684+70	33.05	RT
684+80	29.63	RT
684+90	27.12	RT
684+99.66	25.50	RT

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PLOT DATE = 12/13/2019	DATE -	REVISED -

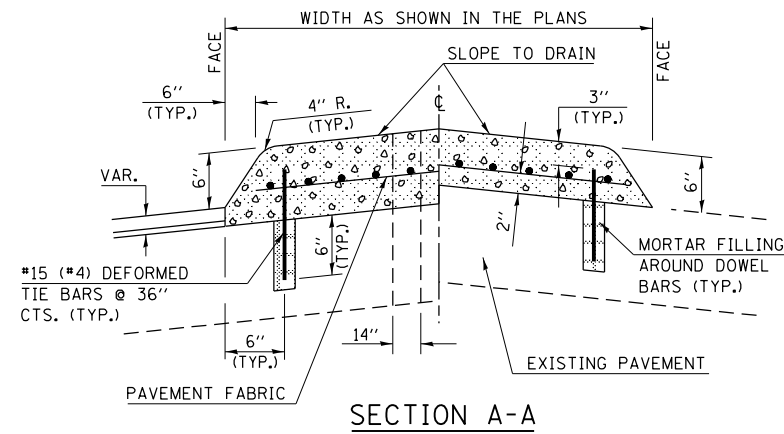
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL 1 & ST. FRANCISVILLE RD.

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

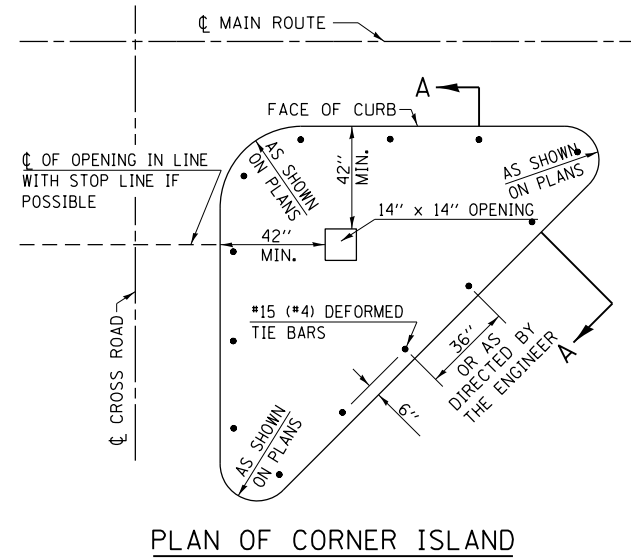
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	41
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				

DETAIL OF CONCRETE MEDIAN, TYPE SM (DOWELLED)

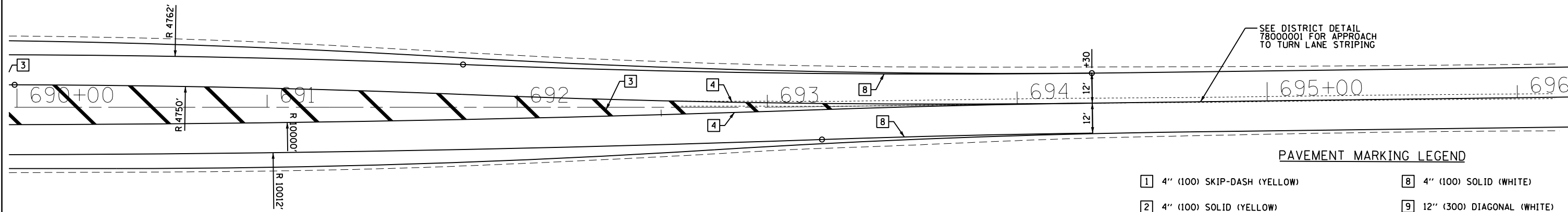


GENERAL NOTES

1. THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.
2. SECTION G-G SHALL BE THE SAME AS SHOWN ON STANDARD 606301.
3. DOWEL BARS @ 36" CTS. OR AS DIRECTED BY THE ENGINEER.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FT FOR CONCRETE MEDIAN, TYPE SM (DOWELLED), INCLUDING THE COST OF FURNISHING AND INSTALLING THE DOWEL BARS, MORTAR FILLING, PAVEMENT FABRIC AND THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE 14" X 14" OPENING, IF REQUIRED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE MEDIAN, TYPE SM (DOWELLED)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAWN\CAD\Sheets\0774411-sht-details.dgn	CDRAWN	REVISED -	REVISED -			332	(13RS-4(14,15)RS-3	LAWRENCE	54	42	
Default	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74411					
	PLOT DATE = 12/13/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: N/A		SHEET 1 OF 1 SHEETS		STA. TO STA.			



PAVEMENT MARKING LEGEND

- | | |
|-----------------------------------|-------------------------------|
| 1 4" (100) SKIP-DASH (YELLOW) | 8 4" (100) SOLID (WHITE) |
| 2 4" (100) SOLID (YELLOW) | 9 12" (300) DIAGONAL (WHITE) |
| 3 12" (300) DIAGONAL (YELLOW) | 10 6" (150) SOLID (WHITE) |
| 4 4" (100) DOUBLE YELLOW (NARROW) | 11 24" (600) STOP BAR (WHITE) |
| 5 12" (300) SOLID WHITE | 12 8" (200) SOLID (WHITE) |
| 6 RESERVED | 13 4" (100) PARKING WHITE |
| 7 6" (150) SKIP-DASH (WHITE) | |

MODEL: Default
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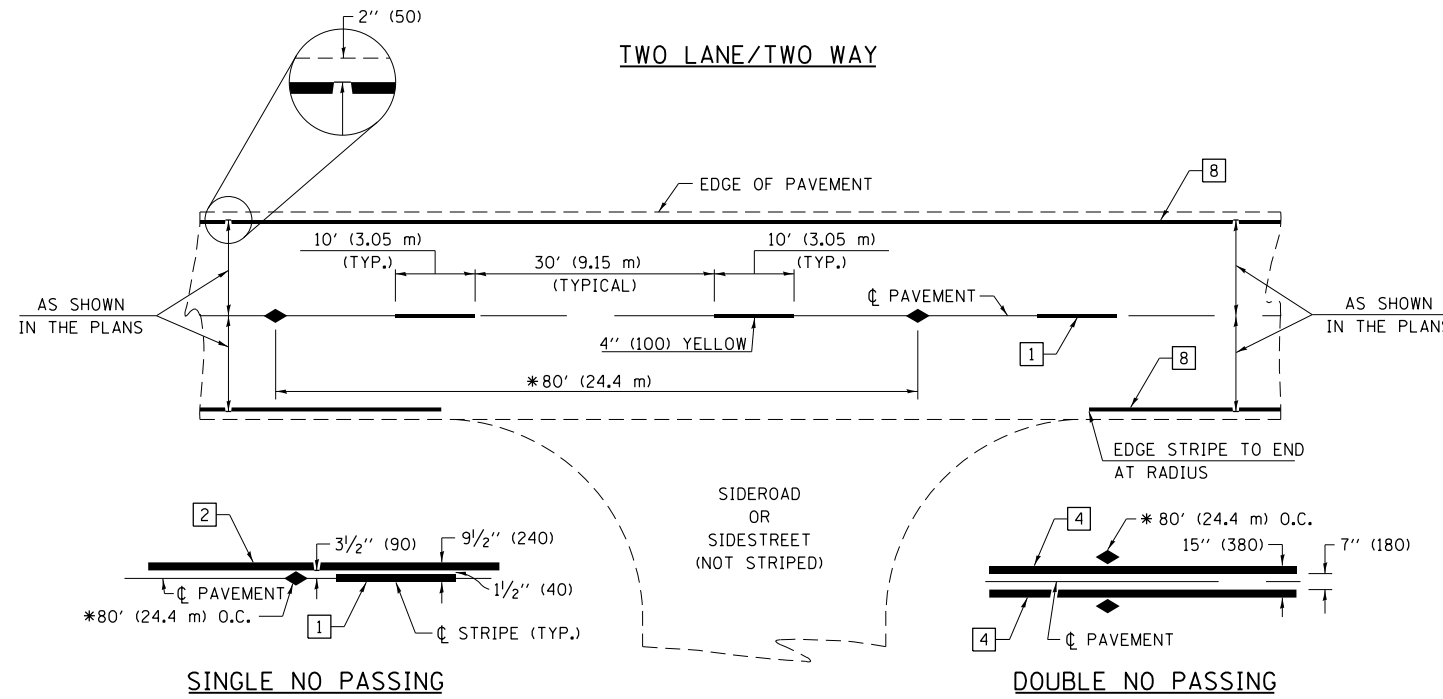
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PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS
 IL 1 & ST. FRANCISVILLE RD.**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	44
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				



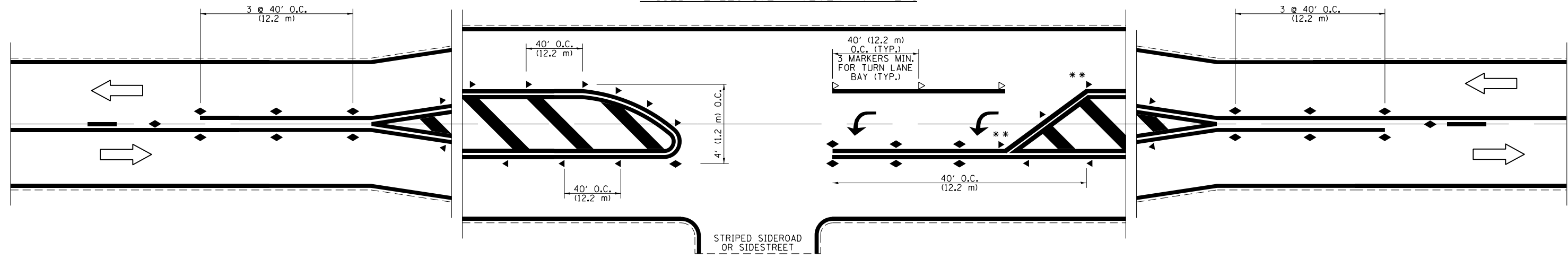
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (100) LANE LINE EXTENSIONS
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS

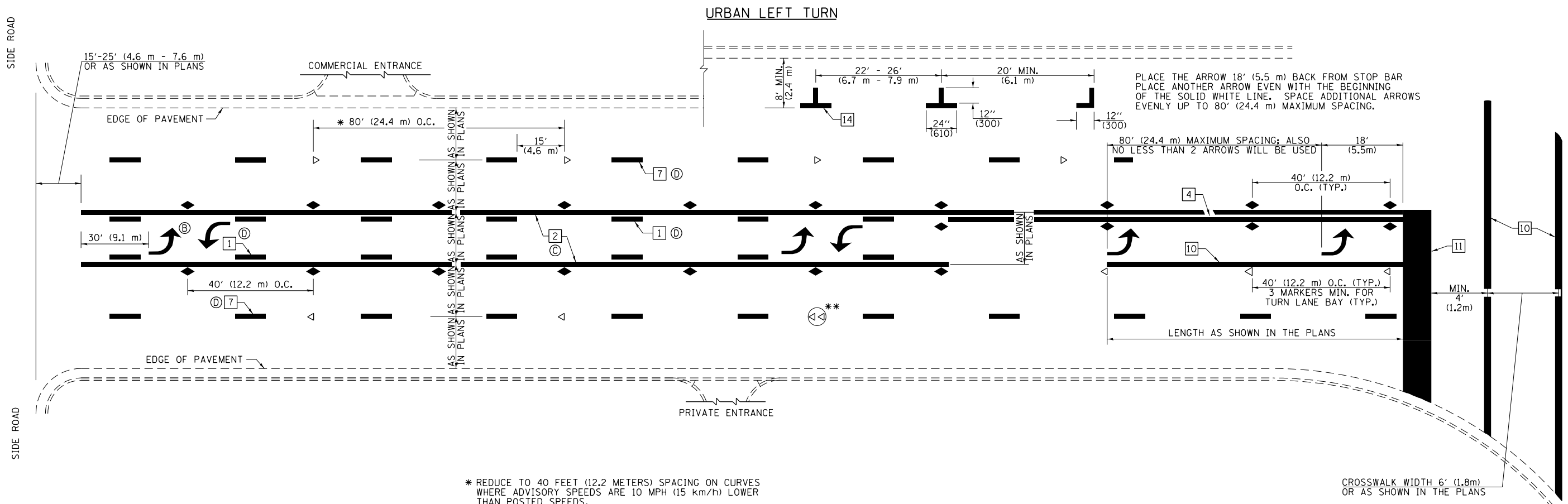


** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

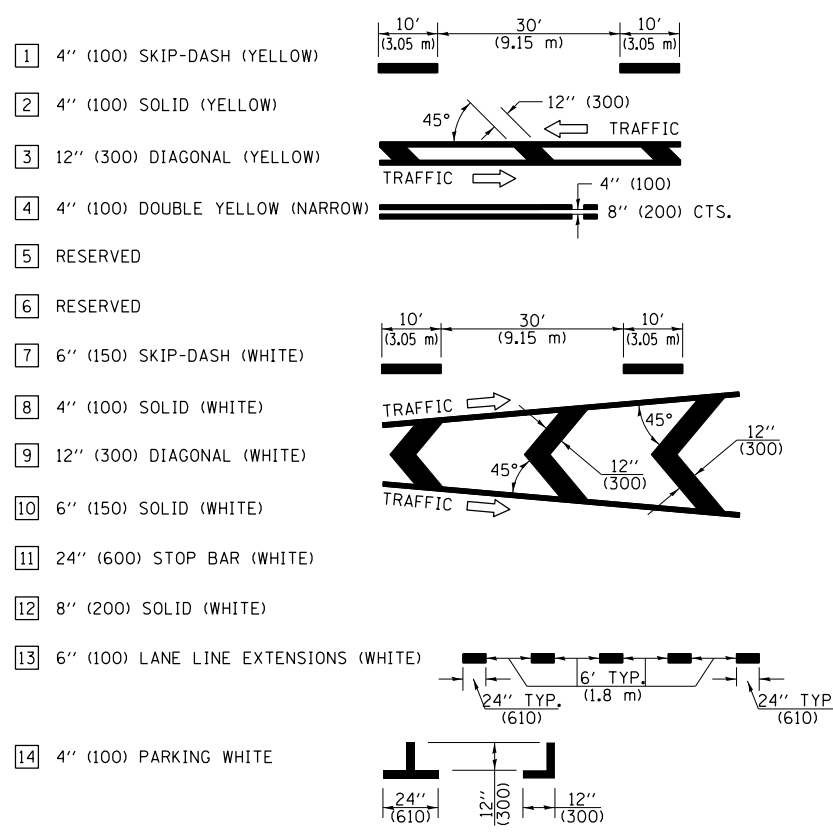
NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAWN\CADsheets\0774411-shr-details.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			332	13RS-4,(14,15)RS-3	LAWRENCE	54	45
PLOT DATE = 12/13/2019	DATE -	REVISED -	REVISED -			CONTRACT NO. 74411				
						ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

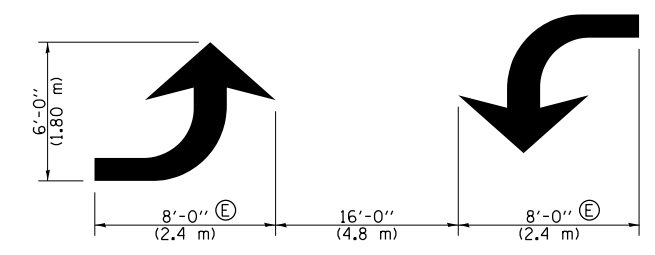
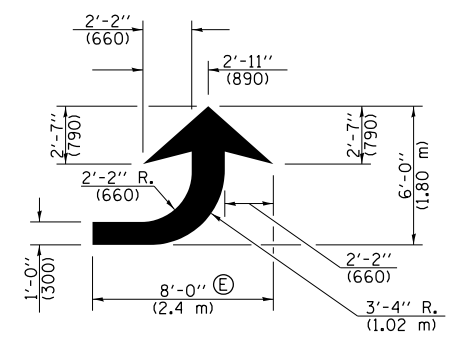
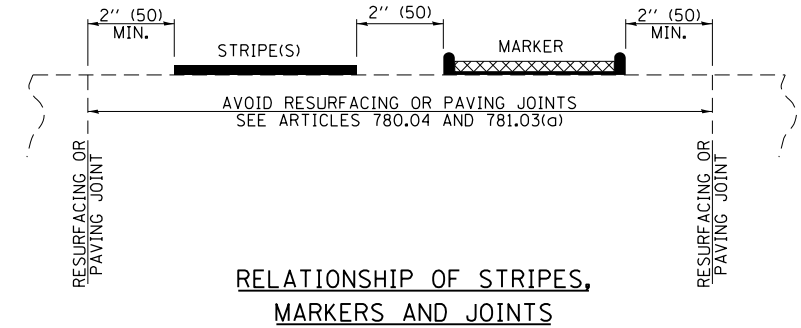


* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

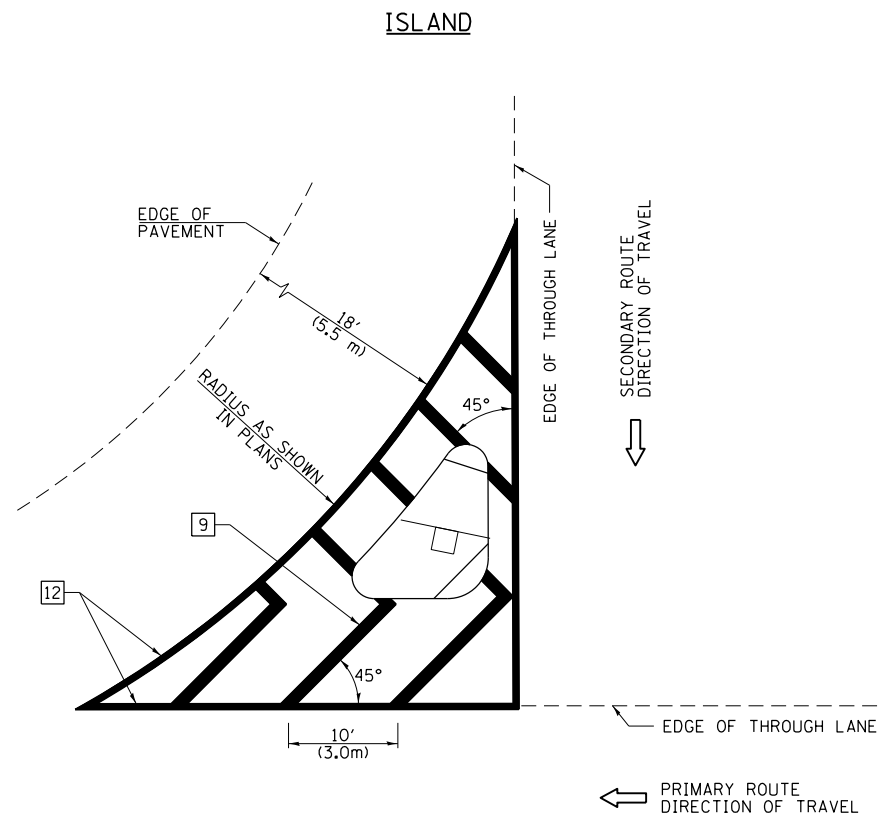


DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dtd.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAWN\CADsheets\0774411-shd-details.dgn		CHECKED -	REVISED -					332	13RS-4,(14,15)RS-3	LAWRENCE	54	46
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -					CONTRACT NO. 74411				
PLOT DATE = 12/13/2019								ILLINOIS FED. AID PROJECT				

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

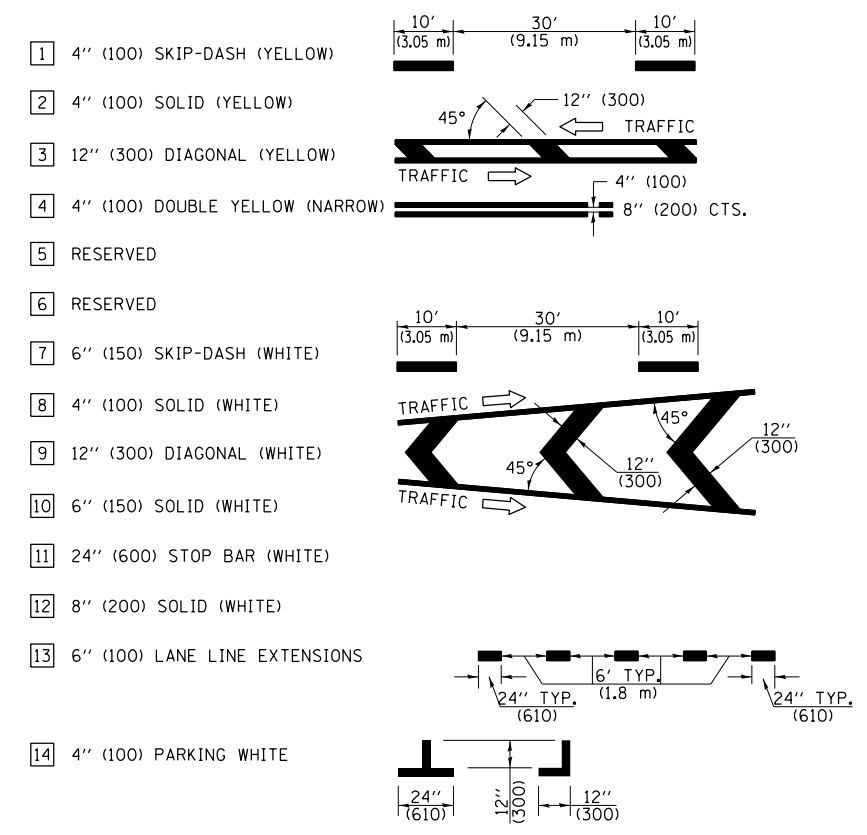


GENERAL NOTES

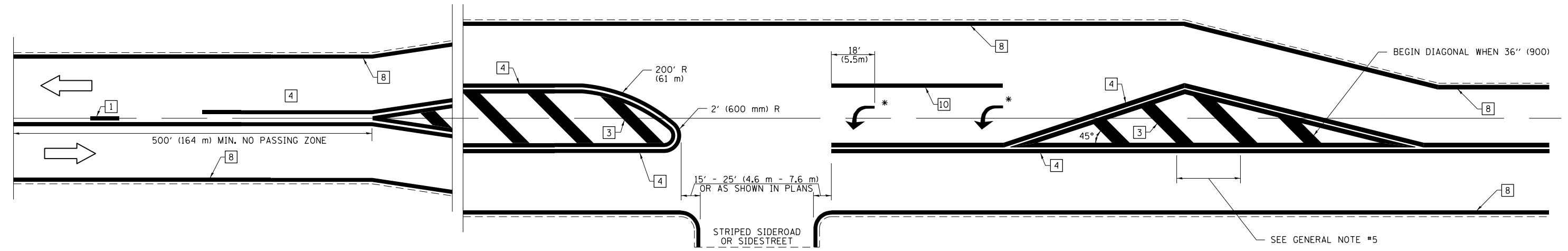
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
>45 MPH (>75 km/h)	30' (9.0 m)

PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAWN\CADsheets\0774411-shr-details.dgn		REVISOR -	REVISED -
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	PLOT DATE = 12/13/2019	DATE -	REVISED -

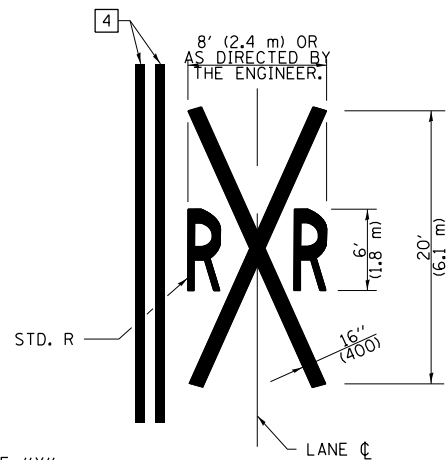
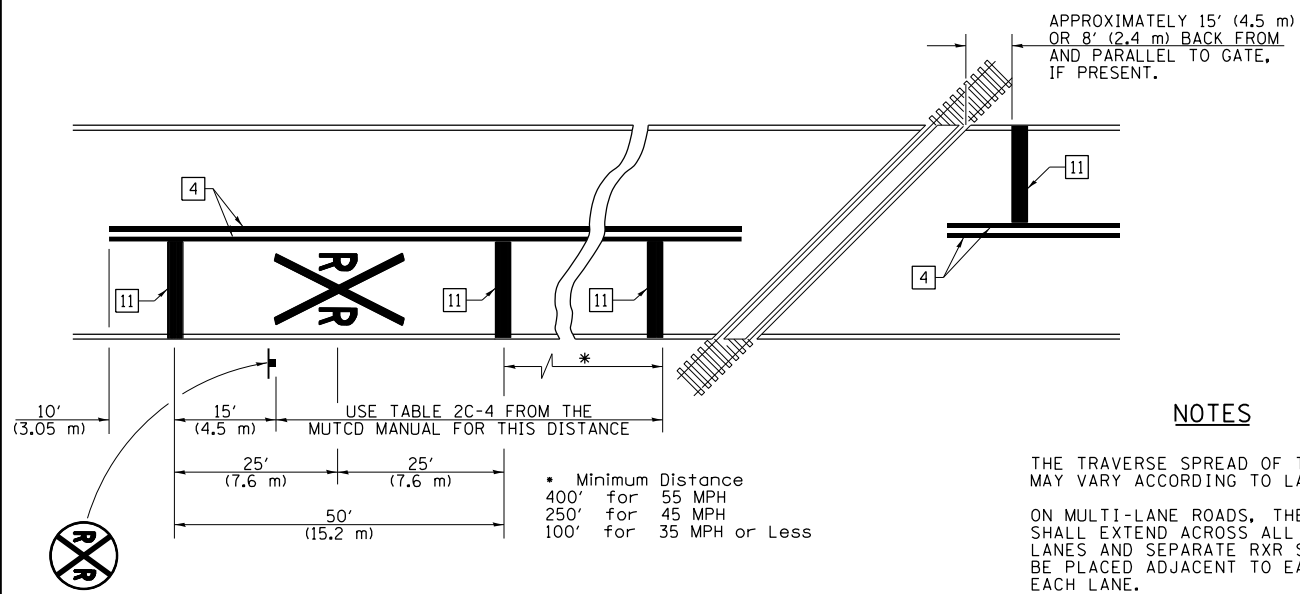
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
 (RURAL & URBAN APPLICATIONS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	47
CONTRACT NO. 74411				
ILLINOIS FED. AID PROJECT				

SCALE: NA SHEET NO. 3 OF 4 SHEETS STA. TO STA.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

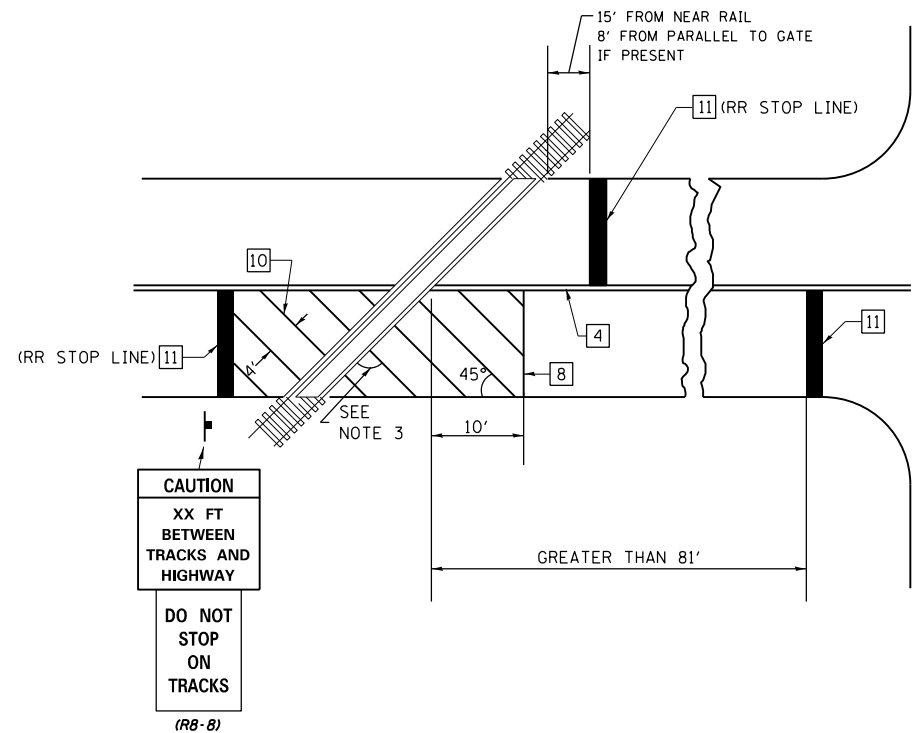
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

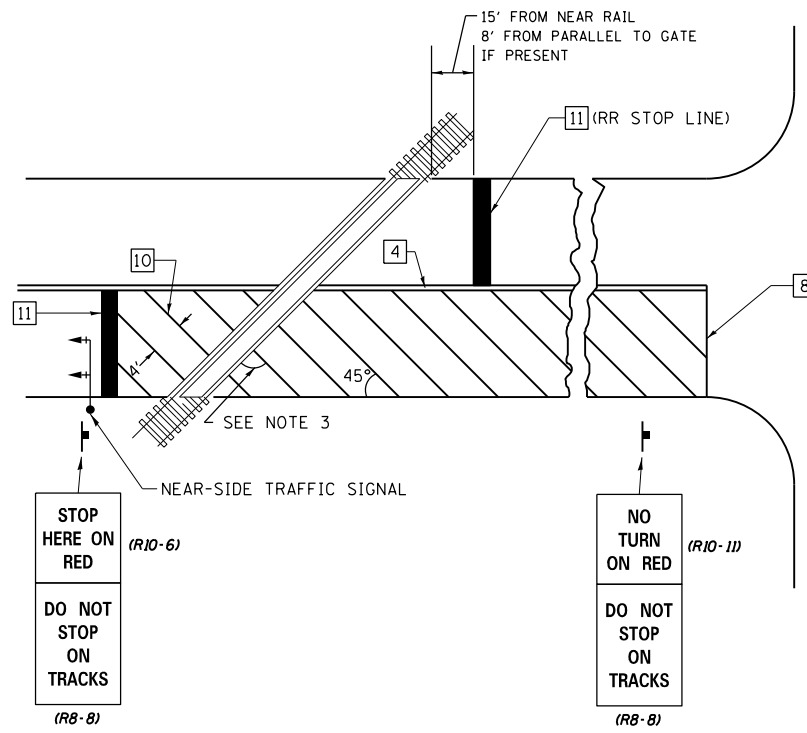
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (100) LANE LINE EXTENSIONS
- 14 4" (100) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

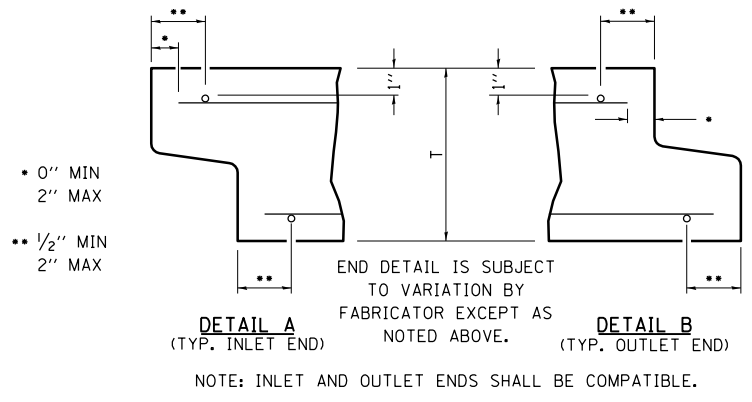
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAW\CADsheets\0774411-shd-details.dgn		REVISIONS				332	13RS-4,(14,15)RS-3	LAWRENCE	54	48	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74411					
	PLOT DATE = 12/13/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: NA SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DETAIL OF PRECAST CONCRETE BOX CULVERT ASTM C1577



**DESIGN LOADING:
COMBINED EARTH DEAD LOAD
AND AASHTO HL-93 LIVE LOAD**

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS, AND THE CURRENT POLICY MEMORANDUM "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS."

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS A_{s1} , A_{s2} , A_{s3} , A_{s4} , A_{s5} , A_{s6} , A_{s7} , AND A_{s8} , DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASTM C1577. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55 (A185) OR M221 (A497), OR REINFORCEMENT BARS, GRADE 60, CONFORMING TO A706.

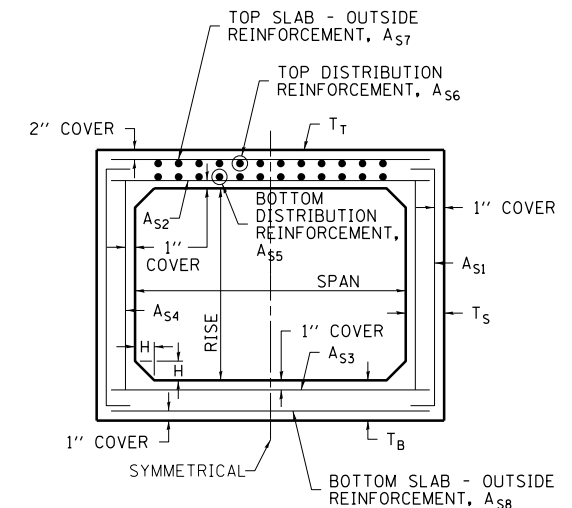
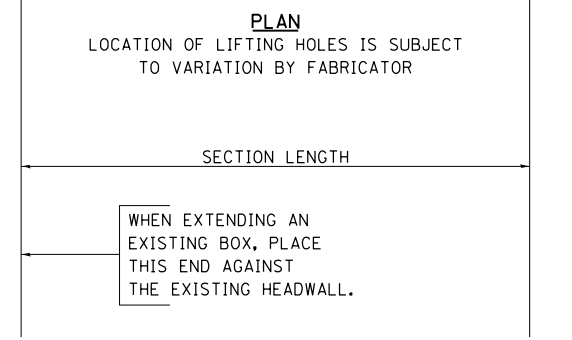
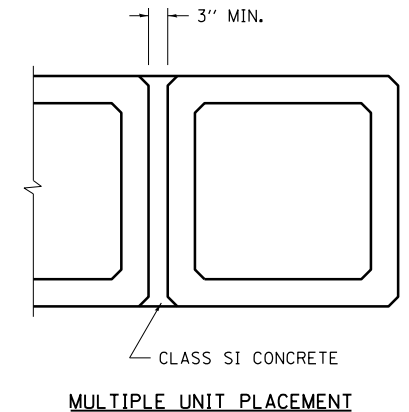
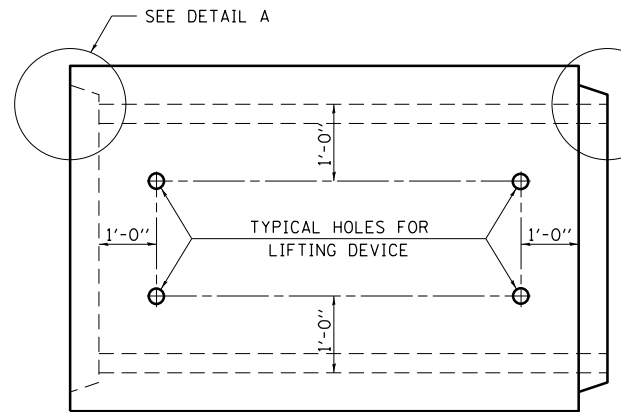
LIFTING HOLES SHALL BE FILLED IN ACCORDANCE WITH 540.06 OR PROJECT SPECIAL PROVISIONS.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.11 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.

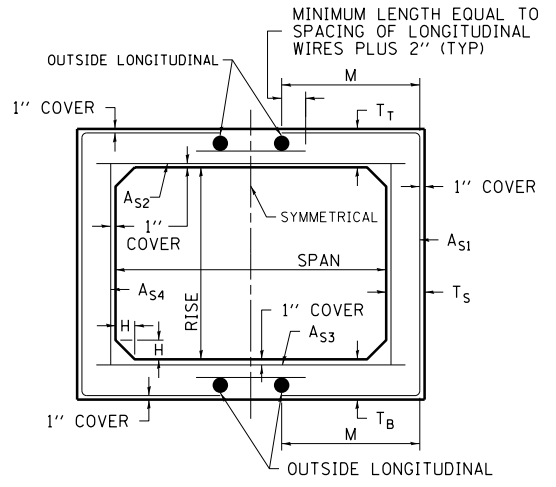
DESIGN FILL HEIGHT (F):

MAXIMUM FILL HEIGHT (f_{max}) AND MINIMUM FILL HEIGHT (f_{min}) ARE MEASURED BETWEEN THE EXTREME EDGES OF SHOULDER.

DESIGN FILL HEIGHTS APPLY TO ENTIRE CULVERT, INCLUDING EXTENSIONS AND END SECTIONS.



FILL HEIGHT LESS THAN 2'



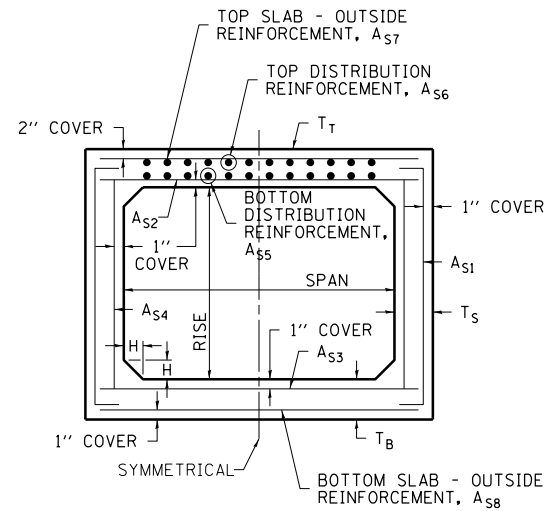
FILL HEIGHT 2' AND GREATER

Standard Sizes							
Span (ft)	x	Rise (ft)	Design Earth Cover (ft)	Ts (in)	Tt (in)	Tb (in)	Max Earth Cover (ft)
3	x	2	0 < 2	4	7	6	N/A
3	x	2	≥ 2	4	4	4	35
3	x	3	0 < 2	4	7	6	N/A
3	x	3	≥ 2	4	4	4	35
4	x	2	0 < 2	5	7.5	6	N/A
4	x	2	≥ 2	5	5	5	30
4	x	3	0 < 2	5	7.5	6	N/A
4	x	3	≥ 2	5	5	5	30
4	x	4	0 < 2	5	7.5	6	N/A
4	x	4	≥ 2	5	5	5	30
5	x	3	0 < 2	6	8	7	N/A
5	x	3	≥ 2	6	6	6	30
5	x	4	0 < 2	6	8	7	N/A
5	x	4	≥ 2	6	6	6	30
5	x	5	0 < 2	6	8	7	N/A
5	x	5	≥ 2	6	6	6	30
6	x	3	0 < 2	7	8	7	N/A
6	x	3	≥ 2	7	7	7	30
6	x	4	0 < 2	7	8	7	N/A
6	x	4	≥ 2	7	7	7	30
6	x	5	0 < 2	7	8	7	N/A
6	x	5	≥ 2	7	7	7	30
6	x	6	0 < 2	7	8	7	N/A
6	x	6	≥ 2	7	7	7	30
7	x	4	≤ 30	8	8	8	30
7	x	5	≤ 30	8	8	8	30
7	x	6	≤ 30	8	8	8	30
7	x	7	≤ 30	8	8	8	30
8	x	4	≤ 20	8	8	8	20
8	x	5	≤ 20	8	8	8	20
8	x	6	≤ 20	8	8	8	20
8	x	7	≤ 20	8	8	8	20
8	x	8	≤ 20	8	8	8	20
9	x	5	≤ 25	9	9	9	25
9	x	6	≤ 25	9	9	9	25
9	x	7	≤ 20	9	9	9	20
9	x	8	≤ 20	9	9	9	20
9	x	9	≤ 20	9	9	9	20
10	x	5	≤ 25	10	10	10	25
10	x	6	≤ 25	10	10	10	25
10	x	7	≤ 25	10	10	10	25
10	x	8	≤ 20	10	10	10	20
10	x	9	≤ 20	10	10	10	20
10	x	10	≤ 20	10	10	10	20
11	x	4	≤ 25	11	11	11	25
11	x	6	≤ 25	11	11	11	25
11	x	8	≤ 25	11	11	11	25
11	x	10	≤ 20	11	11	11	20
12	x	4	≤ 25	12	12	12	25
12	x	6	≤ 25	12	12	12	25
12	x	8	≤ 25	12	12	12	25
12	x	10	≤ 25	12	12	12	25
12	x	12	≤ 20	12	12	12	20

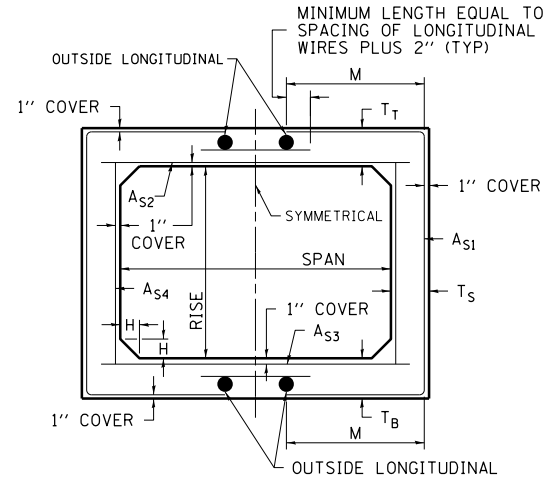
NOTE: Ts, Tt and Tb are minimums, per ASTM C1577.

* "T" MAY BE LARGER THAN SHOWN ON TABLE, PER ASTM C1577 SPECIFICATIONS.

DETAIL OF PRECAST CONCRETE BOX CULVERT END SECTION ASTM C1577



FILL HEIGHT LESS THAN 2'



FILL HEIGHT 2' AND GREATER

**DESIGN LOADING:
COMBINED EARTH DEAD LOAD
AND AASHTO HL-93 LIVE LOAD**

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS, AND THE CURRENT POLICY MEMORANDUM "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS."

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS A_{s1} , A_{s2} , A_{s3} , A_{s4} , A_{s5} , A_{s6} , A_{s7} , AND A_{s8} , DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN ASTM C1577. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55 (A185) OR M221 (A497), OR REINFORCEMENT BARS, GRADE 60, CONFORMING TO A706.

LIFTING HOLES SHALL BE FILLED IN ACCORDANCE WITH 540.06 OR PROJECT SPECIAL PROVISIONS.

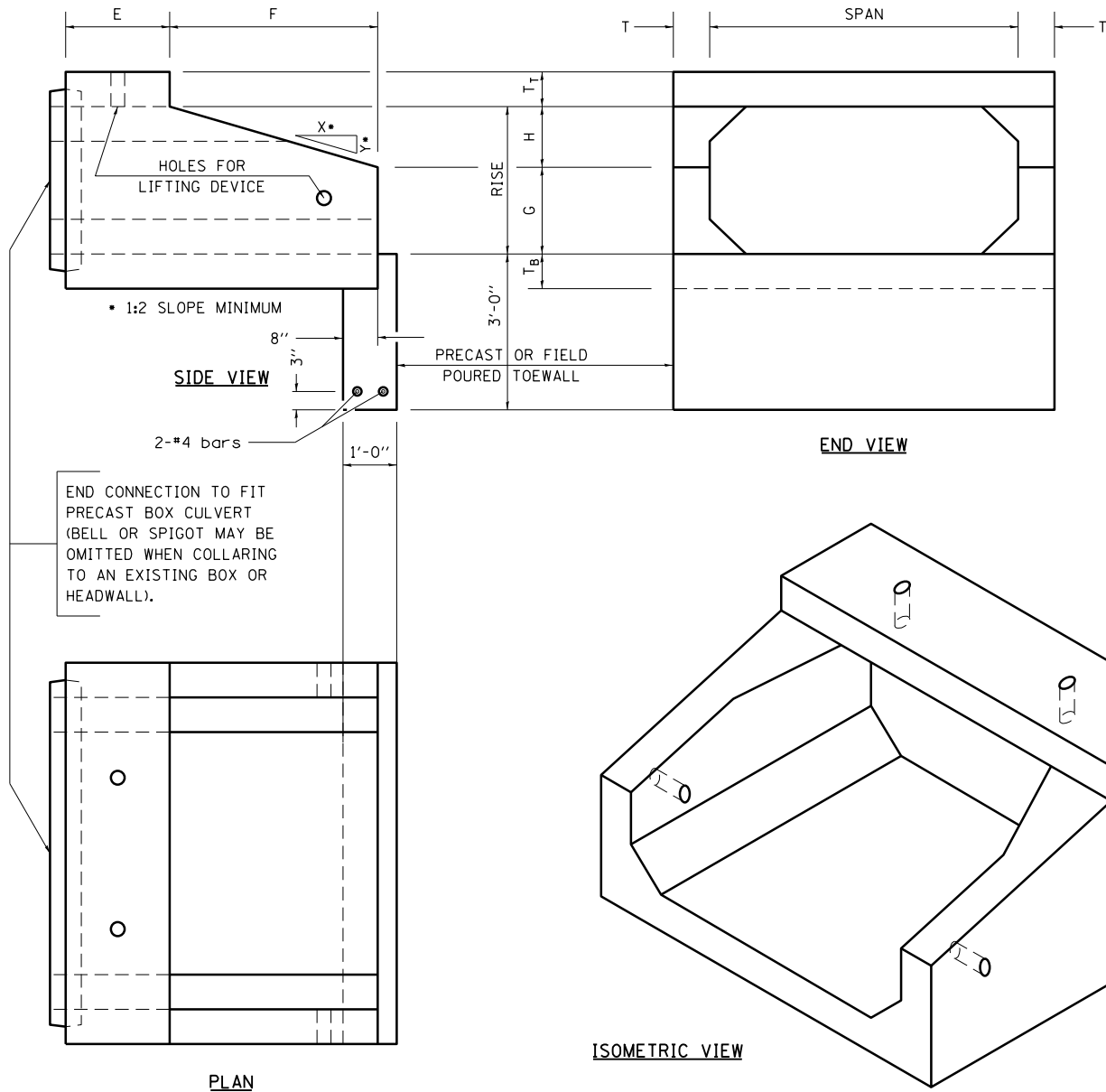
DESIGN FILL HEIGHT (F):

MAXIMUM FILL HEIGHT (f_{max}) AND MINIMUM FILL HEIGHT (f_{min}) ARE MEASURED BETWEEN THE EXTREME EDGES OF SHOULDER. DESIGN FILL HEIGHTS APPLY TO ENTIRE CULVERT, INCLUDING EXTENSIONS AND END SECTIONS.

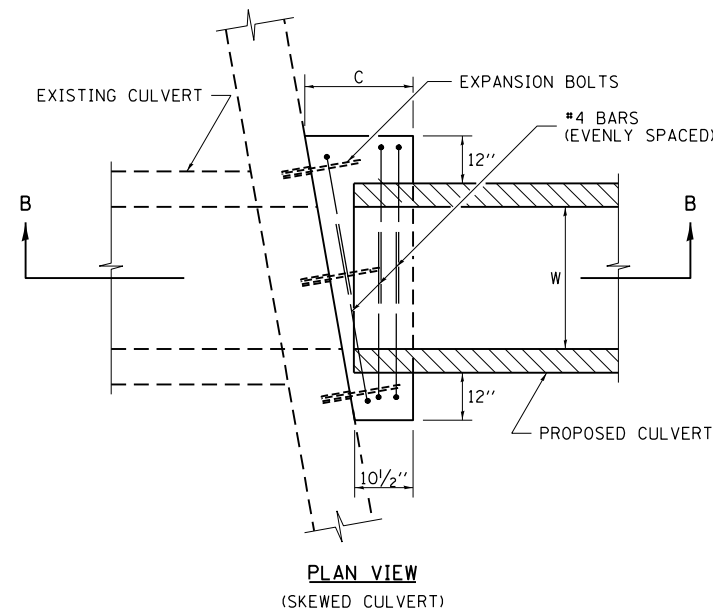
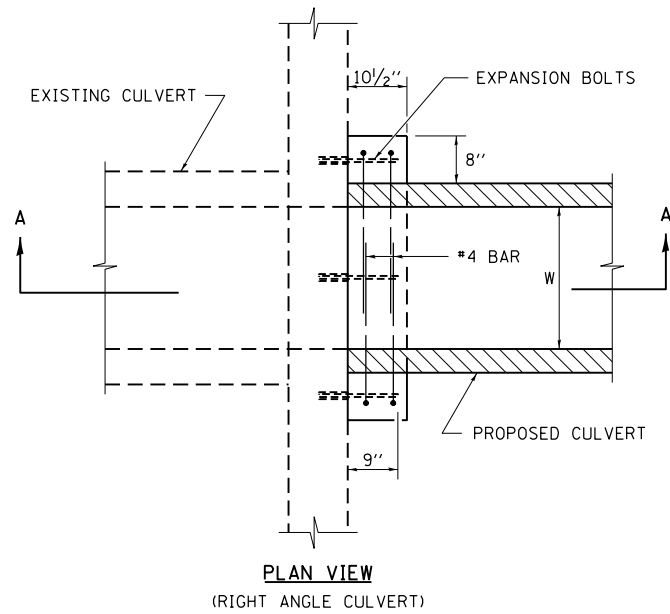
Standard Sizes							
Span (ft)	x	Rise (ft)	Design Earth Cover (ft)	T_s (in)	T_t (in)	T_b (in)	Max Earth Cover (ft)
3	x	2	0 < 2	4	7	6	N/A
3	x	2	≥ 2	4	4	4	35
3	x	3	0 < 2	4	7	6	N/A
3	x	3	≥ 2	4	4	4	35
4	x	2	0 < 2	5	7.5	6	N/A
4	x	2	≥ 2	5	5	5	30
4	x	3	0 < 2	5	7.5	6	N/A
4	x	3	≥ 2	5	5	5	30
4	x	4	0 < 2	5	7.5	6	N/A
4	x	4	≥ 2	5	5	5	30
5	x	3	0 < 2	6	8	7	N/A
5	x	3	≥ 2	6	6	6	30
5	x	4	0 < 2	6	8	7	N/A
5	x	4	≥ 2	6	6	6	30
5	x	5	0 < 2	6	8	7	N/A
5	x	5	≥ 2	6	6	6	30
6	x	3	0 < 2	7	8	7	N/A
6	x	3	≥ 2	7	7	7	30
6	x	4	0 < 2	7	8	7	N/A
6	x	4	≥ 2	7	7	7	30
6	x	5	0 < 2	7	8	7	N/A
6	x	5	≥ 2	7	7	7	30
6	x	6	0 < 2	7	8	7	N/A
6	x	6	≥ 2	7	7	7	30
7	x	4	≤ 30	8	8	8	30
7	x	5	≤ 30	8	8	8	30
7	x	6	≤ 30	8	8	8	30
7	x	7	≤ 30	8	8	8	30
8	x	4	≤ 20	8	8	8	20
8	x	5	≤ 20	8	8	8	20
8	x	6	≤ 20	8	8	8	20
8	x	7	≤ 20	8	8	8	20
8	x	8	≤ 20	8	8	8	20
9	x	5	≤ 25	9	9	9	25
9	x	6	≤ 25	9	9	9	25
9	x	7	≤ 20	9	9	9	20
9	x	8	≤ 20	9	9	9	20
9	x	9	≤ 20	9	9	9	20
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10	x	8	≤ 20	10	10	10	20
10	x	9	≤ 20	10	10	10	20
10	x	10	≤ 20	10	10	10	20
11	x	4	≤ 25	11	11	11	25
11	x	6	≤ 25	11	11	11	25
11	x	8	≤ 25	11	11	11	25
11	x	10	≤ 20	11	11	11	20
11	x	11	≤ 20	11	11	11	20
12	x	4	≤ 25	12	12	12	25
12	x	6	≤ 25	12	12	12	25
12	x	8	≤ 25	12	12	12	25
12	x	10	≤ 25	12	12	12	25
12	x	12	≤ 20	12	12	12	20

NOTE: T_s , T_t and T_b are minimums, per ASTM C1577.

* "T" MAY BE LARGER THAN SHOWN ON TABLE, PER ASTM C1577 SPECIFICATIONS.



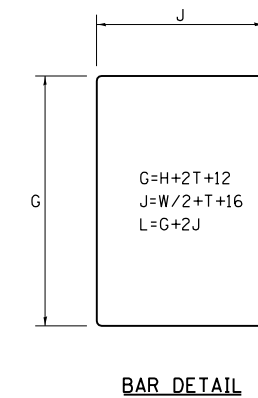
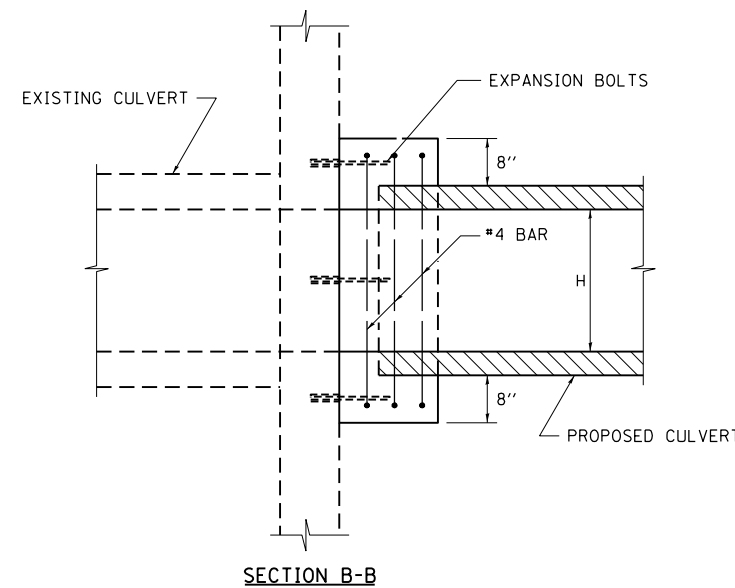
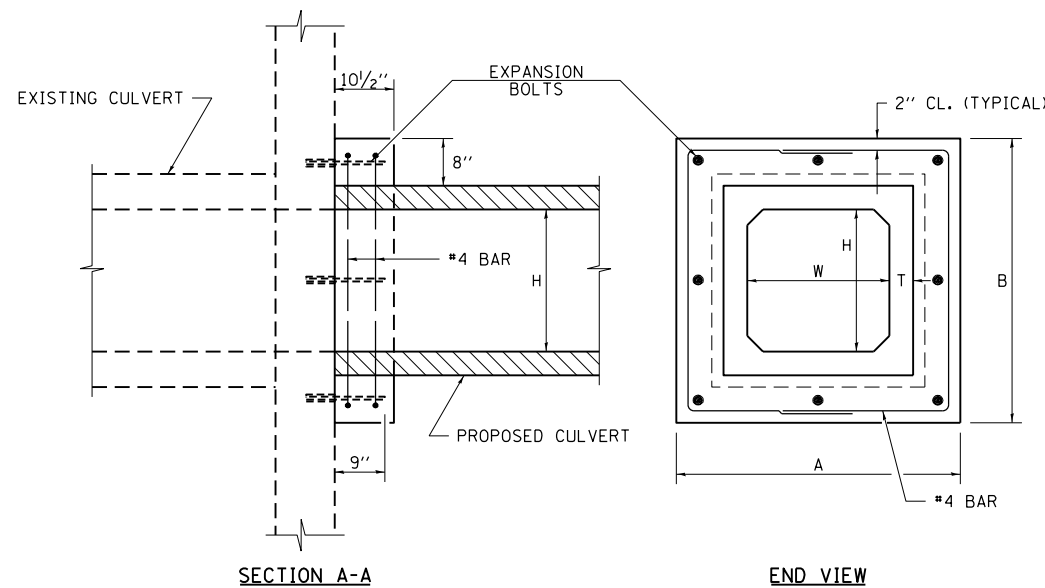
DETAIL OF CONCRETE COLLAR FOR BOX CULVERT EXTENSIONS

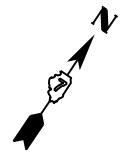


SIDE	STATION	DIMENSIONS						REINFORCEMENT BARS				
		A	B	C	W	H	T	G	J	L	NUMBER BARS	POUND
*** RT	779+40	77.5	74		56	62	5	84	49	182	8	81
*** RT	877+45	60	60		36	36	4	56	38	132	8	59
*** LT	877+45	60	60		36	36	4	56	38	132	8	59
*** RT	1037+60	48	42		24	18	4	38	32	102	8	45
*** LT	1037+60	48	42		24	18	4	38	32	102	8	45

*** THE ABOVE DIMENSIONS APPLY TO ALL CULVERT EXTENSIONS.
 *** SEE CULVERT SCHEDULE FOR ADDITIONAL LOCATIONS & QUANTITIES.

NOTE: EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELDS AND HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO THE NEW CONCRETE.

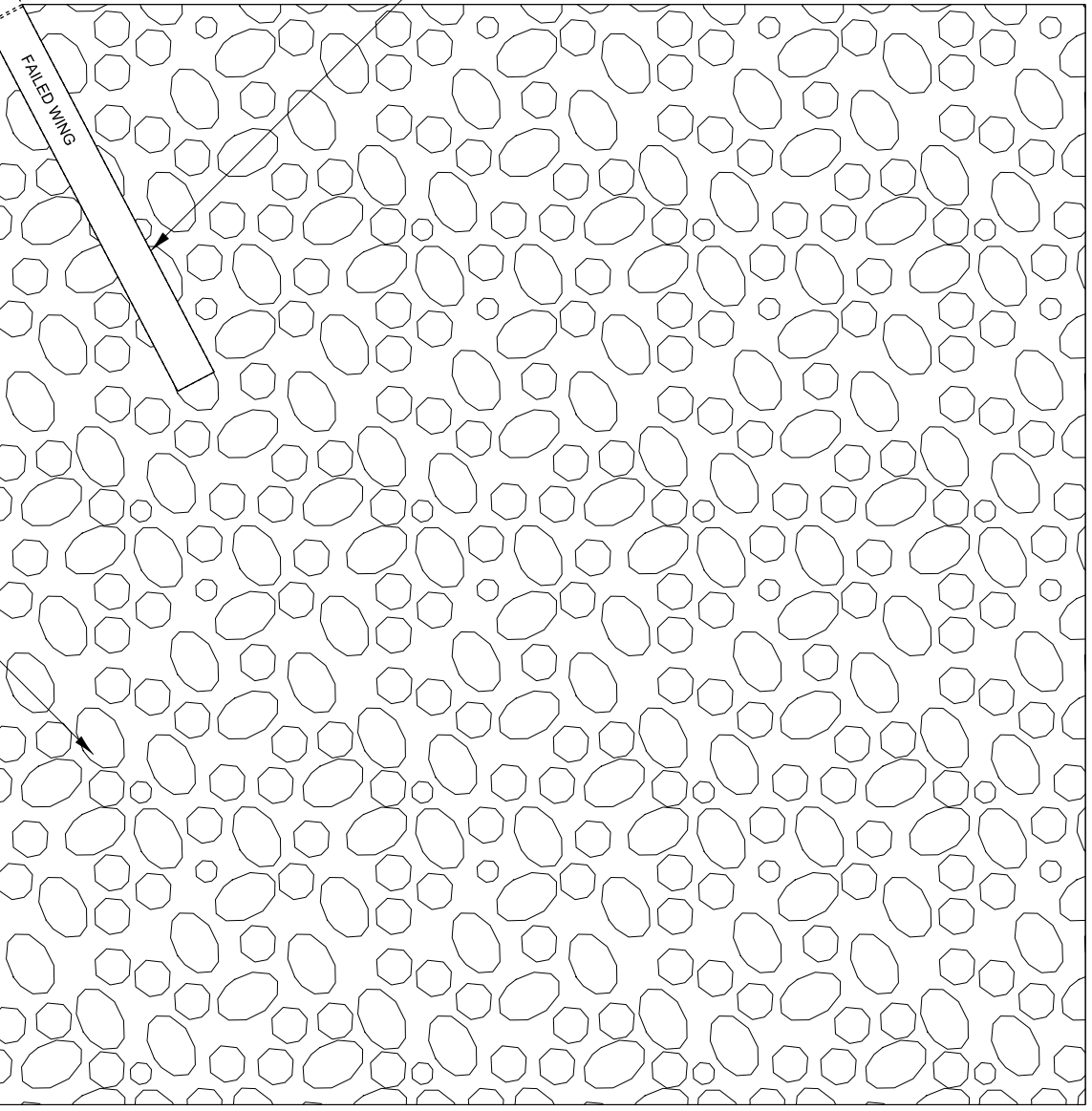




S.N. 051-8620
STA. 858+34

HEADWALL

WINGWALL TO BE REPLACED
SEE WINGWALL REPAIR SHEETS



AREA TO BE COVERED WITH
STONE RIPRAP CLASS A4,
4' AVG. DEPTH

NOTE: NOT TO SCALE

20'

20'

*PROPOSED RIPRAP TO BE PLACED
ON SOUTH STREAM BANK, EAST SIDE

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED - MAD 6-11
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74411\CDRAWN\CADsheets\0774411-shr-details.dgn		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIPRAP WINGWALL DETAIL

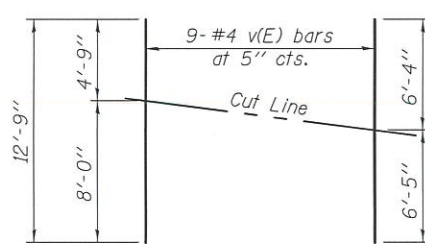
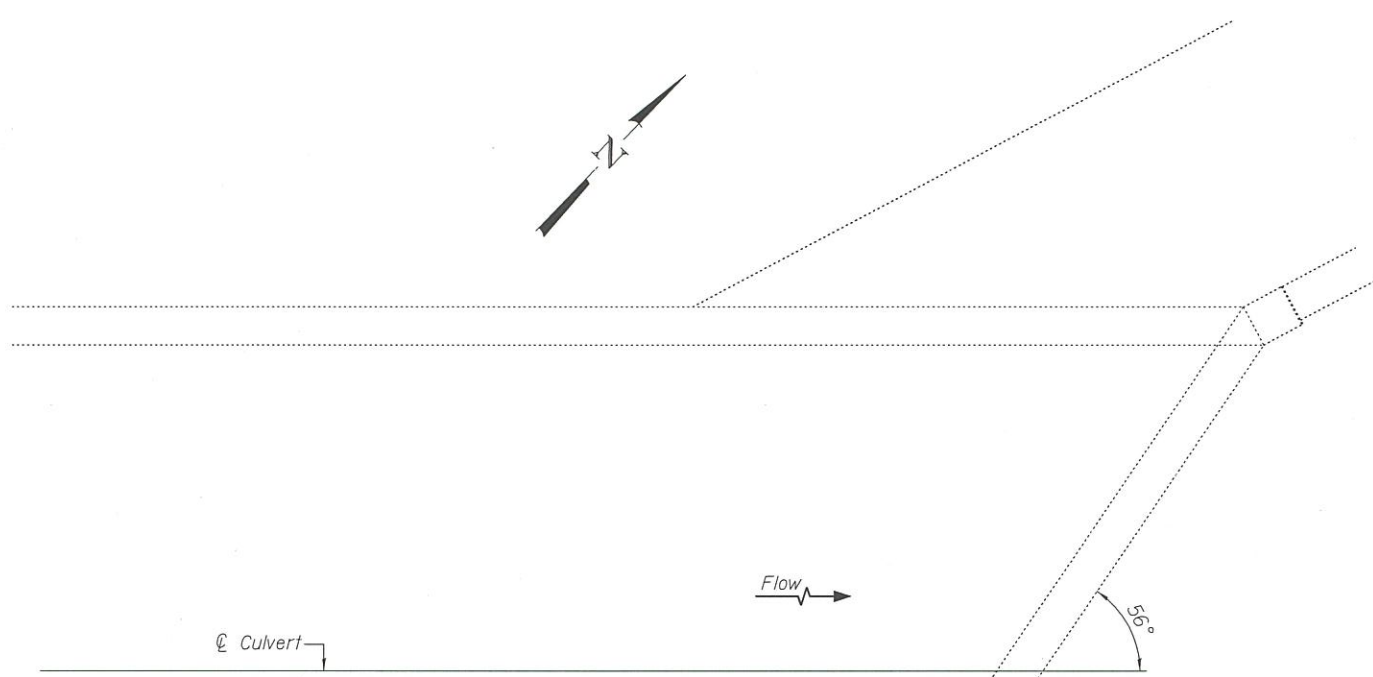
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4,(14,15)RS-3	LAWRENCE	54	52
CONTRACT NO. 74411				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK COPY

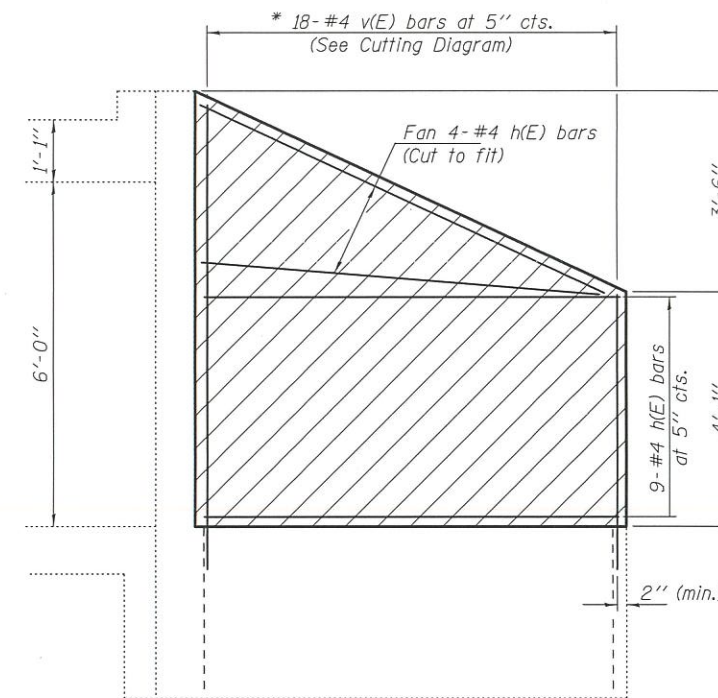
NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.



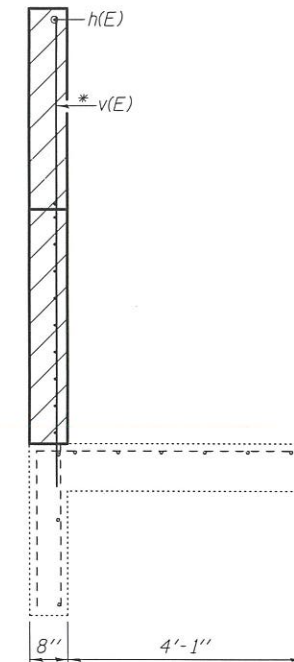
FIELD CUTTING DIAGRAM

Order v(E) full length. Cut bars as shown. Rotate top bars 180° and place on right side of bottom bars.

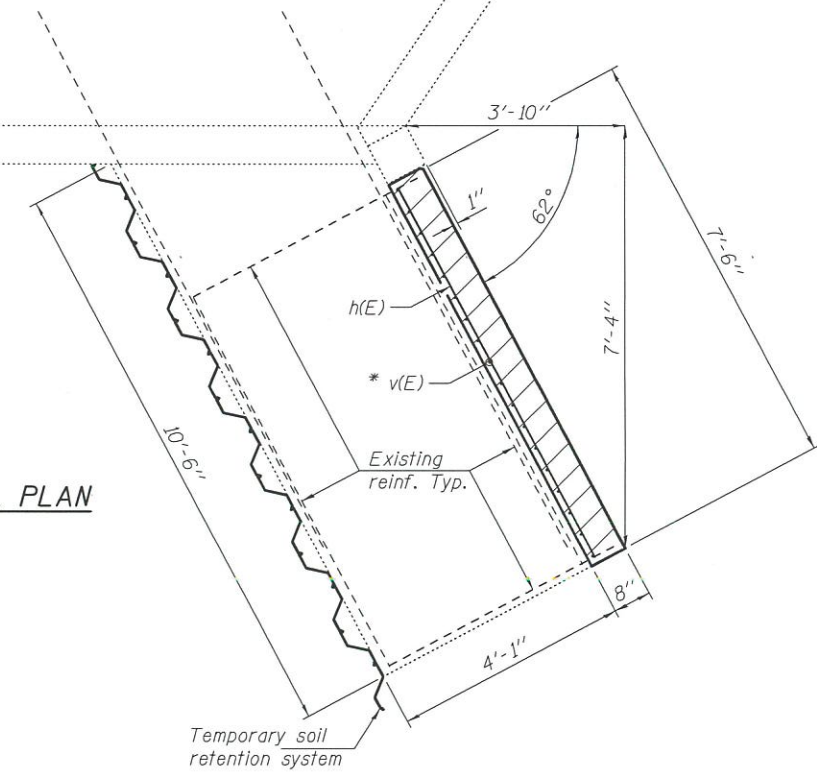


WINGWALL

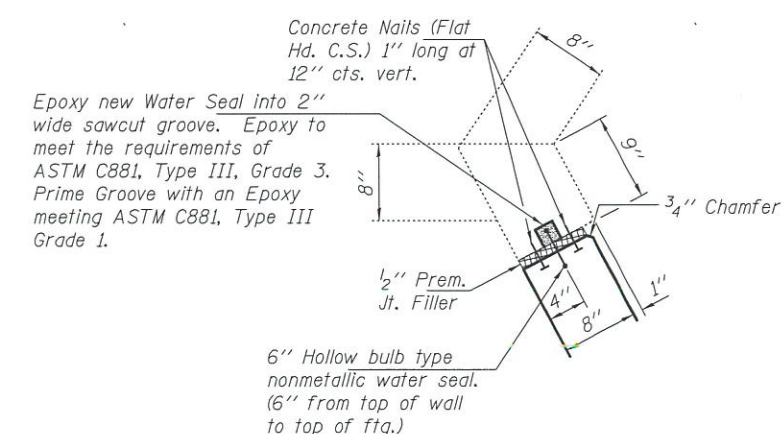
* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



SECTION A-A



PARTIAL PLAN



CORNER DETAIL

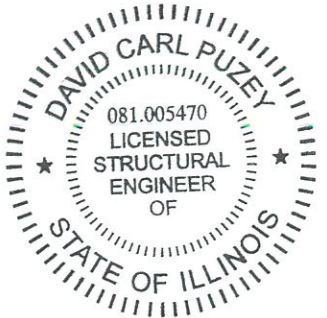
Cut existing water seal off flush with existing wall.

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	13	#4	7'-2"	
v(E)	9	#4	12'-9"	
Temporary Soil Retention System			Sq. Ft.	80
Concrete Removal			Cu. Yd.	1.1
Concrete Box Culverts			Cu. Yd.	1.1
Reinforcement Bars, Epoxy Coated			Pound	140



Hatched areas indicate removal & replacement.

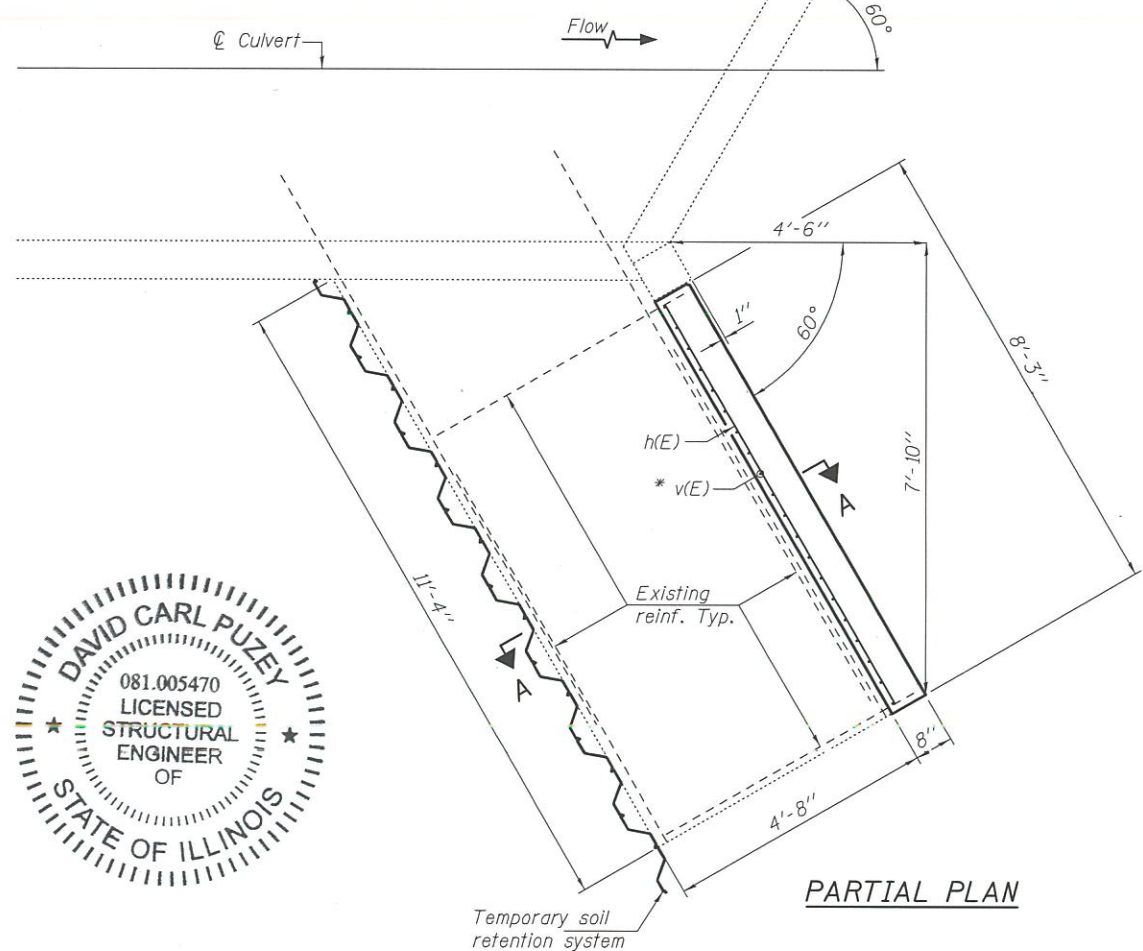
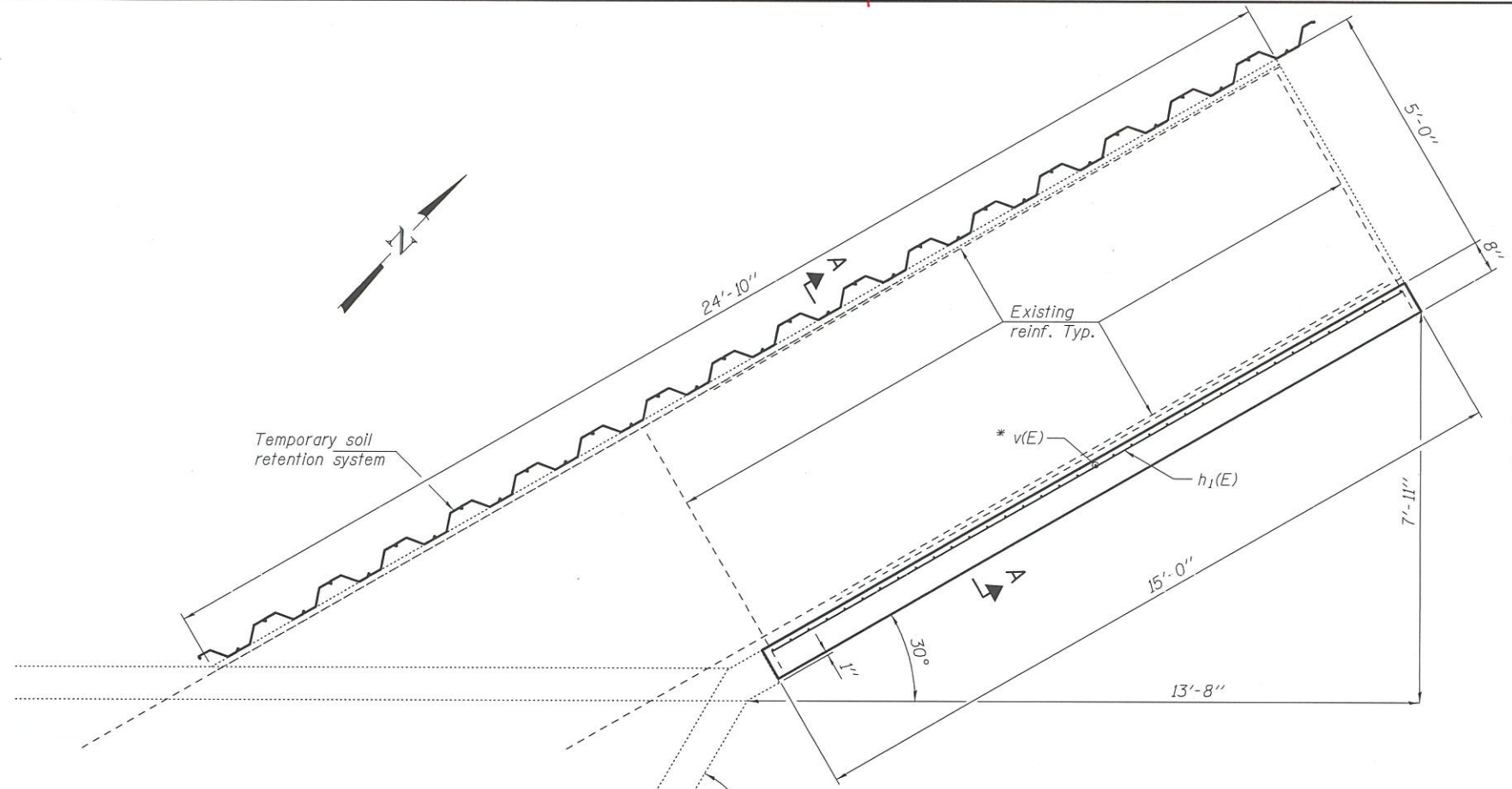
DESIGNED - <i>Uche H. Uche</i>	EXAMINED - <i>Timothy A. Ambrosio</i>	DATE - JANUARY 28, 2020
CHECKED - <i>Dominic Belk</i>	PASSED - <i>David Carl Puzey</i>	REVISIONS
DRAWN - <i>Dalva</i>		
CHECKED - <i>DAB</i>		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

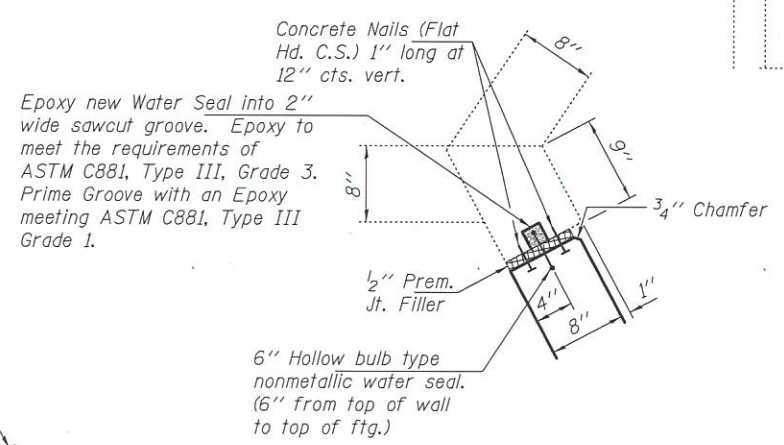
WINGWALL REPAIR
 FAP 332 (IL 1)
 SN 051-8620
 SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4, (14, 15) RS-3	LAWRENCE	54	53
CONTRACT NO. 74411				

UNIT COPY



PARTIAL PLAN

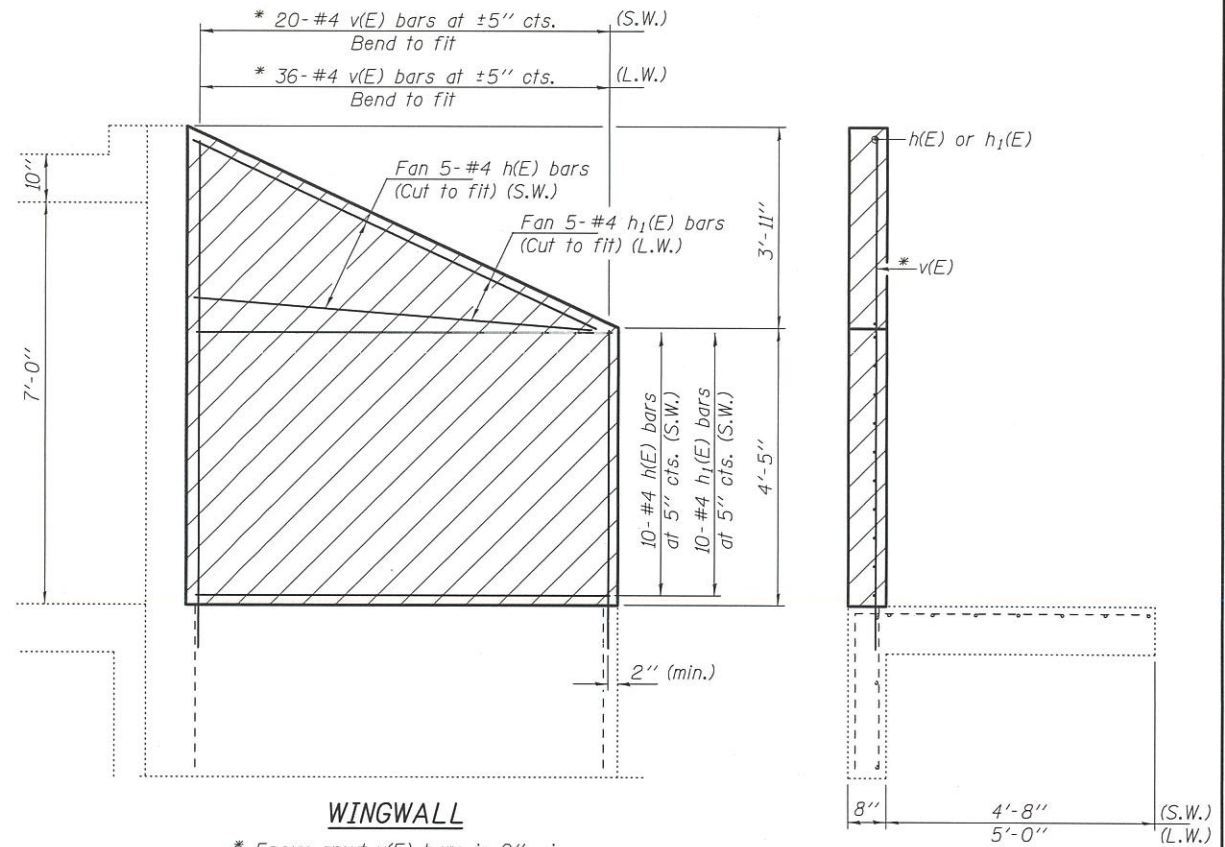


CORNER DETAIL

Note:
(S.W.) - Short Wing
(L.W.) - Long Wing

NOTES

Reinforcement bars designated (E) shall be epoxy coated.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

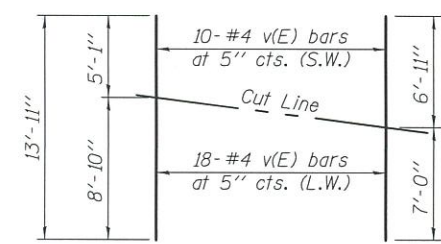


SECTION A-A

WINGWALL

* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

Hatched areas indicate removal & replacement.



FIELD CUTTING DIAGRAM

Order v(E) full length. Cut bars as shown. Rotate top bars 180° and place on right side of bottom bars.

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

TOTAL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	15	#4	7'-11"	—
h1(E)	15	#4	14'-8"	—
v(E)	28	#4	13'-11"	—
Temporary Soil Retention System		Sq. Ft.	294	
Concrete Removal		Cu. Yd.	3.8	
Concrete Box Culverts		Cu. Yd.	3.8	
Reinforcement Bars, Epoxy Coated		Pound	490	



EXPIRES 11-30-2020

DESIGNED	Victor H. Velazquez	EXAMINED	Timothy J. Ambrecht	DATE	JANUARY 28, 2020
CHECKED	Denise Balove	PASSED	David Carl Puzey	REVISED	
DRAWN	DAB			REVISION	
CHECKED	DAB				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL REPAIR
FAP 332 (IL 1)
SN 051-8621

SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	13RS-4, 114, 151 RS-3	LAWRENCE	54	54
CONTRACT NO. 74411			ILLINOIS FED. AID PROJECT	