

033

01-17-2020 LETTING ITEM 033

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F A I R T E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	1
		ILLINOIS	CONTRACT NO. 66H21	

P-93-029-17 & P-93-009-19  
D-93-070-19

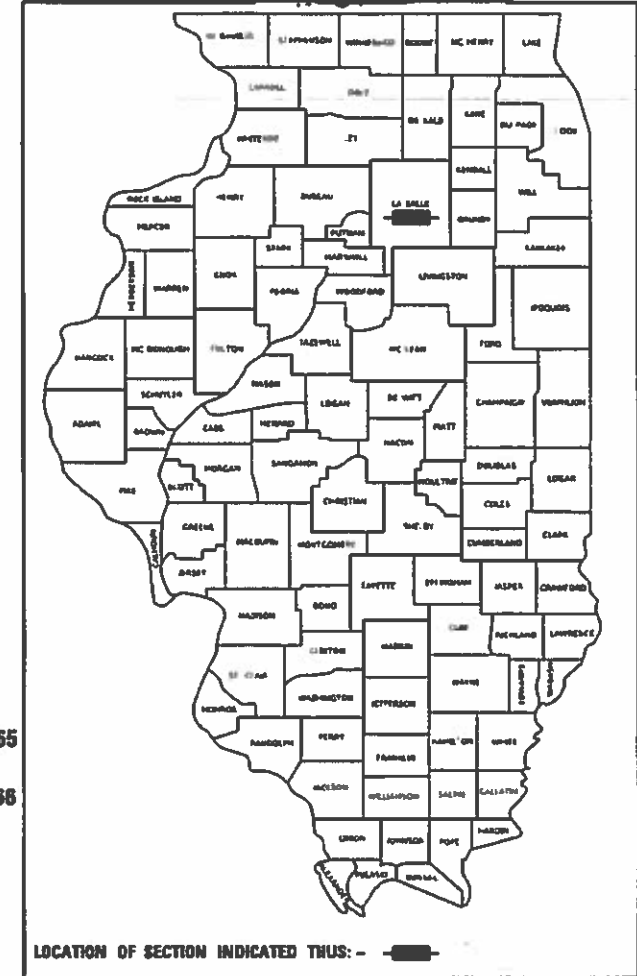
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PROPOSED  
HIGHWAY PLANS

FAI ROUTE 80 (I-80)  
SECTION 50-2(HB-2)BDR(HB-1)BR(BR)BR-1  
PROJECT NHP-1-XDKR(465)  
I-80 BRIDGE REHAB & SUPERSTRUCTURE REPLACEMENT  
LASALLE COUNTY

C-93-094-19



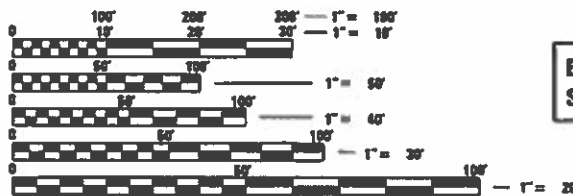
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

SN 050-0003-0004  
WESTBOUND  
STA 627+03.28 TO STA 628+09.65  
EASTBOUND  
STA 626+35.76 TO STA 627+43.81  
REMOVE AND REPLACE EXISTING  
SUPERSTRUCTURE AND APPROACH SLABS

SN 050-0220-0221  
WESTBOUND  
STA 669+58.98 TO STA 674+59.65  
EASTBOUND  
STA 669+69.16 TO STA 674+69.66  
REMOVE AND REPLACE EXISTING  
SUPERSTRUCTURE AND APPROACH  
SLABS

BEGIN IMPROVEMENTS  
STA 611+47.62

END IMPROVEMENTS  
STA 679+00.00

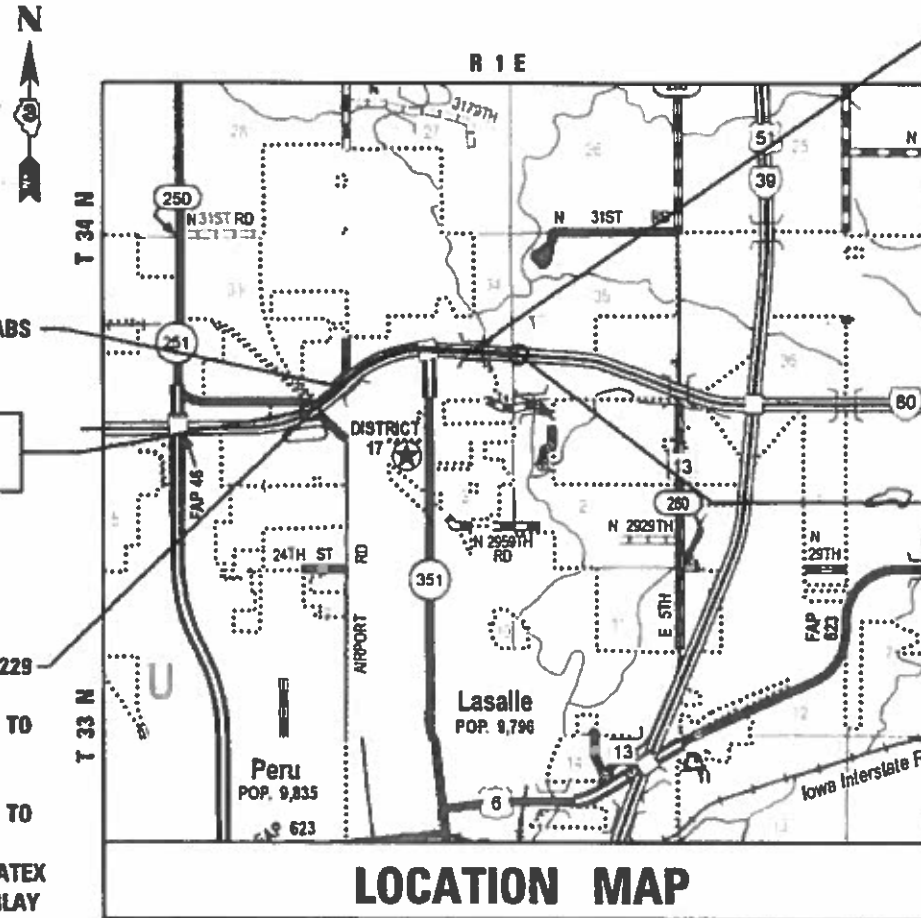


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER JOSEPH E. KANNEL, P.E.  
UNIT CHIEF MICHELE S. LINDEMANN, P.E.  
DISTRICT 3 NO. (815)434-6131

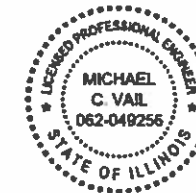
CONTRACT NO. 66H21



LOCATION MAP

APPROXIMATE SCALE 1" = 0.6 MILES

GROSS LENGTH = 6,752.38 FT. = 1.279 MILES  
NET LENGTH = 5,749.18 FT. = 1.089 MILES



*Michael C. Val 10/04/2019*  
MICHAEL C. VAL ILLINOIS P.E. 062-049256 GATE  
EXPIRES 11/30/2019  
SHEETS 1-57, 59-65, 67-72, 202-296, 298-299, 303-328

FUNCTIONAL CLASSIFICATION  
INTERSTATE (URBAN)  
2017 ADT = 32,900  
P.V.=58.5% S.U.=4.7% M.U.=36.8%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10/18 2019

*Masoud Ahmadpour* REGIONAL ENGINEER

*Deepta* 2019 ENGINEER OF DESIGN AND ENVIRONMENT

*Paul P. Chaf* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**OEI**  
QUIGG ENGINEERING INC  
2351 SOUTH DIRKSEN PARKWAY  
SPRINGFIELD, ILLINOIS 62703  
217-670-0563 (P) / 217-679-2204 (F)  
www.quiggengineering.com

OEI PROJECT: 18IL018



MODEL: Default  
 FILE NAME: S:\2018\1811018 - Various Structure IDOT D3 Farnsworth PTB 1612\Work Order 14 - I-60 Roadway and other\CADD\CADD Sheets\1811018-14-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006	0013		
				RURAL			
20200100	EARTH EXCAVATION	CU YD	550	550			
20400800	FURNISHED EXCAVATION	CU YD	245	245			
25000200	SEEDING, CLASS 2	ACRE	1.50	1.50			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135	135			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135	135			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135	135			
25100115	MULCH, METHOD 2	ACRE	1.25	1.25			
25100630	EROSION CONTROL BLANKET	SQ YD	77	77			
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	915	915			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450	450			
28000305	TEMPORARY DITCH CHECKS	FOOT	280	280			
28000400	PERIMETER EROSION BARRIER	FOOT	2,188	2,188			
28100207	STONE RIPRAP, CLASS A4	TON	1,221		1,221		
28100209	STONE RIPRAP, CLASS A5	TON	1,506	34	1,472		

\* SPECIALTY ITEM



USER NAME = smaxwell	DESIGNED - SDM	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - SDM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	3
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

MODEL: Default  
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006	0013		
				RURAL			
28200200	FILTER FABRIC	SQ YD	2,770	41	2,729		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12,300	12,300			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,529	1,529			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	202	202			
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N90	TON	1,853	1,853			
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	1,661	1,661			
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	941	941			
44000100	PAVEMENT REMOVAL	SQ YD	2,177	2,177			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	12,491	12,491			
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	1,396	1,396			
44000300	CURB REMOVAL	FOOT	853	853			
44200583	CLASS A PATCHES, TYPE IV, 12 INCH	SQ YD	342	342			
44213000	PATCHING REINFORCEMENT	SQ YD	342	342			
44213204	TIE BARS 3/4"	EACH	279	279			

\* SPECIALTY ITEM



USER NAME = smaxwell	DESIGNED - SDM	REVISED -
	DRAWN - SDM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	4
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

REV. 12/18/19 REV. 11/18/19





CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006	0013		
				RURAL			
50300300	PROTECTIVE COAT	SQ YD	9,657		9,657		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	234.6		234.6		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1		
50500505	STUD SHEAR CONNECTORS	EACH	38,444		38,444		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	670,530		670,530		
50800515	BAR SPLICERS	EACH	758		758		
51500100	NAME PLATES	EACH	4		4		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	385		385		
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	57		57		
52100520	ANCHOR BOLTS, 1"	EACH	196		196		
52100540	ANCHOR BOLTS, 1 1/2"	EACH	58		58		
52200010	TEMPORARY SHEET PILING	SQ FT	112		112		
55101400	STORM SEWER REMOVAL 30"	FOOT	18	18			
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	580.0		580		

\* SPECIALTY ITEM

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PLOT DATE = 10/25/2019	DATE - 10/4/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	6
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

REV. 12/18/19 REV. 12/04/19 REV. 11/18/19

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006	0013		
				RURAL			
58700300	CONCRETE SEALER	SQ FT	12		12		
59000200	EPOXY CRACK INJECTION	FOOT	239		239		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	224		224		
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	4		4		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2,712.5	2,712.5			
* 63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	5,425.0	5,425.0			
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4			
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	6	6			
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	10	10			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	8			
63200310	GUARDRAIL REMOVAL	FOOT	7,092	7,092			
63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	12,188	12,188			
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	12,422	12,422			
* 64401100	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	406	406			

\* SPECIALTY ITEM



USER NAME = smaxwell	DESIGNED - SDM	REVISED -
	DRAWN - SDM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	7
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006 RURAL	0013		
64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	1	1			
66101150	HOT-MIX ASPHALT SHOULDER CURB	FOOT	853	853			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	27	27			
67100100	MOBILIZATION	L SUM	1	1			
70100410	TRAFFIC CONTROL AND PROTECTION, STANDARD 701416	EACH	1	1			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4			
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	361	361			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	475	475			
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	120,232	120,232			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	23,725	23,725			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3,225	3,225			
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	11	11			
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	6			

\* SPECIALTY ITEM

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PLOT DATE = 10/16/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	8
				CONTRACT NO. 66H21
ILLINOIS FED. AID PROJECT				



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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006	0013		
				RURAL			
* 81603040	UNIT DUCT, 600V, 2 - 1C NO. 6, 1/C NO. 8 GROUND, (XLP - TYPE USE). 1' DIA. POLYETHYLENE	FOOT	125	125			
* 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1,000	1,000			
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2,000	2,000			
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	29	29			
* 83060830	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., TENON MOUNT	EACH	4	4			
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	4	4			
X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	362.5	362.5			
X0323491	SLOPE WALL CRACK SEALING	FOOT	650		650		
* X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	1,000	1,000			
X0326208	ALTERNATE ROUTE SIGNING	L SUM	1	1			
X0326331	CLEANING AND PAINTING BEARINGS	EACH	28		28		
X0326687	REMOVE HIGH TENSION CABLE MEDIAN BARRIER TERMINAL	EACH	1	1			
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOURL	2,000	2,000			
X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	17CAL MO		17			

\* SPECIALTY ITEM



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PLOT DATE = 10/16/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	10
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	





CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006	0013		
				RURAL			
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
X7010239	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL WK	966	966			
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1	1			
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	692	692			
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	66,695	66,695			
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	6,774	6,774			
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	7,893	7,893			
* X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	1			
X8570002	SMART TRAFFIC MONITORING SYSTEM	CAL WK	138	138			
X8570004	SMART TRAFFIC MONITORING DEVICE	CAL WK	690	690			
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	2,120		2,120		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	2,127		2,127		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	77		77		

\* SPECIALTY ITEM

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PLOT DATE = 10/21/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	12
				CONTRACT NO. 66H21
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY	BRIDGE		
				0006 RURAL	0013		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	20		20		
Z0021400	EXPANSION JOINT (SPECIAL)	FOOT	76	76			
Z0021904	SILICONE JOINT SEALER, 1"	FOOT	182		182		
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	5,355		5,355		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	15,159	15,159			
Z0041895	POLYMER CONCRETE	CU FT	36		36		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	334		334		
Z0049100	RAISED PAVEMENT MARKER REFLECTOR REPLACEMENT	EACH	225	225			
Ø Z0076600	TRAINEES	HOUR	2000	2000			
Z0065700	SLOPE WALL REPAIR	SQ YD	204		204		
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	2000	2000			
Z0065730	SLOPE WALL SLURRY PUMPING	CU YD	4		4		
66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1		1		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU*YD	180		180		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION REPORT	L SUM	1		1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DAYS	4		4		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		1		

\* SPECIALTY ITEM Ø 0042



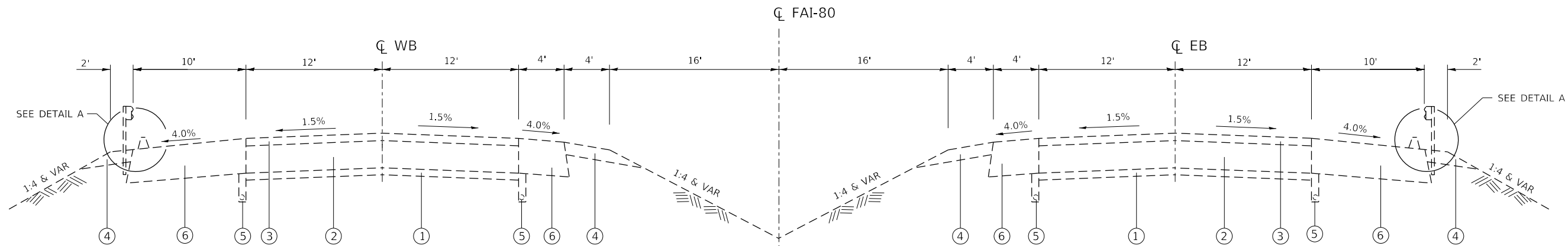
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PLOT DATE = 10/18/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 11 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	13
			CONTRACT NO. 66H21	
ILLINOIS FED. AID PROJECT				

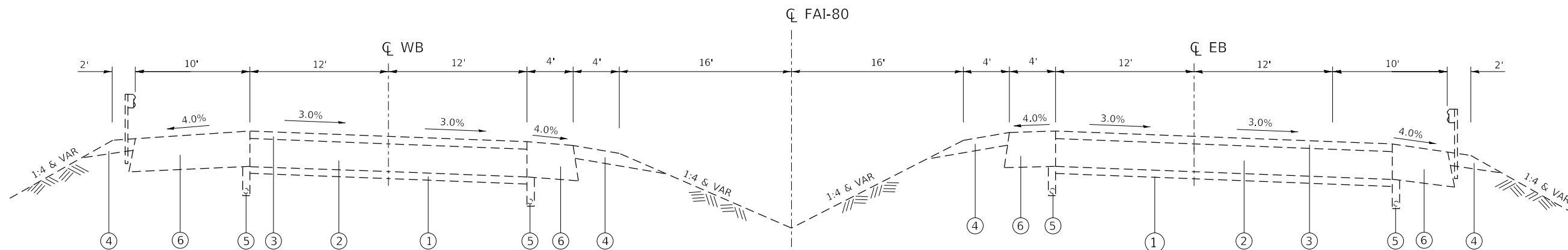


**WESTBOUND LANE**  
 STA 623+53.97 TO STA 627+03.20  
 BRIDGE OMISSION STA 627+03.20 TO STA 628+09.90

**EASTBOUND LANE**  
 STA 621+02.00 TO STA 626+35.68  
 BRIDGE OMISSION STA 626+35.68 TO STA 627+44.06

**EXISTING TYPICAL SECTION**

ROADWAY WORK ASSOCIATED WITH  
 SN 050-0003/0004



**WESTBOUND LANE**  
 STA 628+09.90 TO STA 635+08.99  
 BRIDGE OMISSION STA 627+03.20 TO STA 628+09.90

**EASTBOUND LANE**  
 STA 627+44.06 TO STA 630+93.12  
 BRIDGE OMISSION STA 626+35.68 TO STA 627+44.06

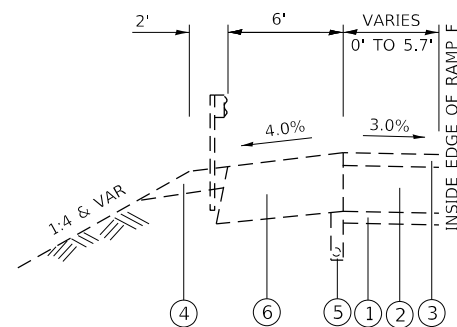
**EXISTING TYPICAL SECTION**

ROADWAY WORK ASSOCIATED WITH  
 SN 050-0003/0004

**LEGEND**

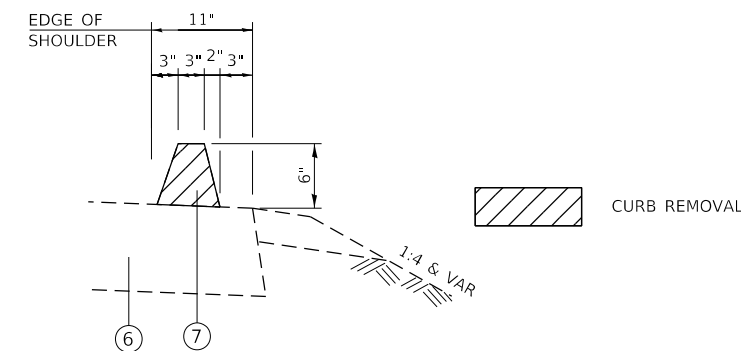
- ① EXISTING STABILIZED SUB-BASE
- ② EXISTING PCC PAVEMENT
- ③ EXISTING ASPHALT RESURFACING
- ④ EXISTING AGGREGATE SHOULDERS TYPE B
- ⑤ EXISTING PIPE UNDERDRAINS 4"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑦ EXISTING HOT-MIX ASPHALT CURB

NOTE: FOR LIMITS OF REMOVAL ITEMS  
 SEE PLAN AND PROFILE SHEETS



**WESTBOUND ON RAMP**

STA 631+89.17 TO STA 635+08.99



**DETAIL A**

EASTBOUND STA 621+02.00 TO STA 626+15.05  
 WESTBOUND STA 623+53.97 TO STA 627+23.83  
 (10' GAP IS REQUIRED IN EACH DIRECTION  
 FOR SHOULDER INLET BOX WITH CURB INSTALLATION)

MODEL: Default; FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT D3 Farnsworth PTB 161211\Work Order 14 - L80 Roadway and other\CADD\CADD\_Sheets\181181\_018\_TYP.dgn



USER NAME = smaxwell	DESIGNED - JB	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JB	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	14
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				









PAVING ITEMS SCHEDULE

LOCATION	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	CURB REMOVAL	CLASS A PATCHES, TYPE IV, 12 INCH
STATION TO STATION	POUND	SQ YD	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ YD
SN 050-0228/0229											
EB 611+76.82 TO 612+45.73	120.7	253.3			16.27						
EB 614+75.72 TO 617+07.01	17.4		96.3		2.52						169.5
WB 611+47.62 TO 612+18.74	469.5	253.3		115.74	75.00				516.7		
WB 614+48.63 TO 617+05.56	47.4		105.5		2.21						171.8
SN 050-0003/0004											
EB 621+02.00 TO 626+53.88	725.0	253.3			159.44	138.5	138.5			493.1	
EB 627+20.62 TO 630+93.12	606.2	253.3			83.39	137.4	144.3				
WB 619+50.00 TO 626+78.20	543.1	253.3		54.94	137.63	138.5	138.5		162.0	359.9	
WB 627+92.67 TO 635+08.99	1,714.5	262.1		514.03	213.57	134.7	134.6		66.7		
SN 050-0220/0221											
EB 661+00.00 TO 669+82.05	2,270.7				372.01	99.1	1,094.4	5,045.7			
EB 674+67.40 TO 679+00.00	1,779.1			477.31	121.59	76.7	76.6	1,740.4			
WB 661+00 TO 669+61.74	1,960.4			33.60	299.89	141.1	374.9	3,920.2	150.0		
WB 674+56.83 TO 679+00.00	2,039.7			656.90	176.88	74.5	74.6	1,784.4	500.0		
TOTALS	12,293.7	1,528.6	201.8	1,852.52	1,660.40	940.5	2,176.4	12,490.7	1,395.4	853.0	341.3
USE	12,300	1,529	202	1,853	1,661	941	2,177	12,491	1,396	853	342

PAVING ITEMS SCHEDULE CONTINUED

LOCATION	PATCHING REINFORCEMENT	TIE BARS 3/4"	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS	SHOULDER RUMBLE STRIPS, 16 INCH	HOT-MIX ASPHALT SHOULDER CURB	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	EXPANSION JOINT (SPECIAL)	LONGITUDINAL JOINT SEALANT	PARTIAL DEPTH CENTERLINE REPAIR
STATION TO STATION	SQ YD	EACH	TON	TON	FOOT	FOOT	SQ YD	FOOT	FOOT	SQ YD
SN 050-0228/0229										
EB 611+76.82 TO 612+45.73			18.7	6.26	125.5				188.3	
EB 614+75.72 TO 617+07.01	169.5	140	19.7	5.49	156.8			38.0		7.8
WB 611+47.62 TO 612+18.74			20.1	5.42	1,679.4				194.2	
WB 614+48.63 TO 617+05.56	171.8	139	19.5	6.61	159.1			38.0		37.4
SN 050-0003/0004										
EB 621+02.00 TO 626+53.88			163.0	56.93	1,067.5	493.1	971.1		1,494.2	
EB 627+20.62 TO 630+93.12			105.3	29.79	698.2		1,093.6		957.1	
WB 619+50.00 TO 626+78.20			105.5	46.72	1,102.4	359.9	147.9		957.7	
WB 627+92.67 TO 635+08.99			213.2	226.33	1,398.3				1,994.7	
SN 050-0220/0221										
EB 661+00.00 TO 669+82.05			263.7	52.45	998.4				3,944.5	
EB 674+67.40 TO 679+00.00			130.8	186.45	697.6				1,234.9	
WB 661+00 TO 669+61.74			260.6	71.04	1,958.5		277.3		2,925.4	
WB 674+56.83 TO 679+00.00			133.4	241.67	2,379.7				1,267.8	
TOTALS	341.3	279	1,453.5	935.16	12,421.4	853.0	2,489.9	76.0	15,158.8	45.2
USE	342	279	1,454	936	12,422	853	2,490	76	15,159	46

\* SHOULDER IMPROVEMENTS TO BE COMPLETED ON WB OUTSIDE SHOULDER PRIOR TO STAGE 2, INCLUDE THE FOLLOWING PAY ITEMS AND STATION RANGES. THE QUANTITIES FOR THE PREVIOUSLY MENTIONED STATION RANGES HAVE BEEN INCLUDED WITH THE APPROPRIATE STATION RANGES.

HOT-MIX ASPHALT SURFACE REMOVAL, 6" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N90 (4") POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N 90 (2") BITUMINOUS MATERIALS (TACK COAT)

\* STA 591+50 TO STA 607+00  
STA 619+50 TO STA 624+36  
STA 631+50 TO STA 633+50  
STA 656+50 TO STA 661+00  
STA 679+00 TO STA 694+00

MODEL: D:\p1\161211\work\PTB 161211\work\PTB 161211\work\other\CADD\CADD Sheets\0266121-ahr-schedule.dgn



USER NAME = smaxwell  
DESIGNED - RG  
DRAWN - RG  
PLOT SCALE = 2,000 ' / in.  
CHECKED - SDM  
PLOT DATE = 10/3/2019  
DATE - 10/4/2019

REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	18
CONTRACT NO. 66H21				
ILLINOIS		FED. AID PROJECT		





TEMPORARY PAVEMENT MARKING SCHEDULE				
STAGE	PAVEMENT MARKING TAPE, TYPE IV 4"		PAVEMENT MARKING REMOVAL - WATER BLASTING	
	WHITE	YELLOW	EXISTING MARKINGS	TEMPORARY 4" TAPE
	FOOT	FOOT	SQ FT	SQ FT
1A	17,624.7	11,920.8	9,209.4	-
1B	2,086.6	3,406.0	666.9	1,127.5
WINTER SHUTDOWN (2 APPLICATIONS)	12,812.4	37,775.9	-	10,137.7
2A	16,481.0	10,477.7	6,220.0	195.6
2B	4,454.6	3,192.0	537.2	1,433.8
3	-	-	-	15,276.9
SUBTOTAL	53,459.3	66,772.4	16,633.5	28,171.4
TOTAL	120,232		44,805	

RAISED REFELCTIVE PAVEMENT MARKER SCHEDULE								
LOCATION	RAISED REFLECTIVE PAVEMENT MARKER			REPLACEMENT REFLECTOR	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED PAVEMENT MARKER REFLECTOR REPLACEMENT		RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL
	CRYSTAL / RED	AMBER / RED	1 WAY CRYSTAL	1 WAY CRYSTAL		CRYSTAL / RED	AMBER / RED	1 WAY CRYSTAL
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
EB I-80 EXIT RAMP TO IL 351	91	32	-	-	123	91	32	-
WB I-80 EXIT RAMP TO IL 351	79	23	-	-	102	79	23	-
EB 565+53.76 TO 614+00.00	-	-	124	124	124	-	-	124
EB 614+00.00 TO 628+00.00	-	-	36	36	36	-	-	36
EB 628+00.00 TO 670+00.00	-	-	108	108	108	-	-	108
EB 670+00.00 TO 698+36.13	-	-	74	74	74	-	-	74
WB 589+90.56 TO 614+00.00	-	-	62	62	62	-	-	62
WB 614+00.00 TO 628+00.00	-	-	36	36	36	-	-	36
WB 628+00.00 TO 670+00.00	-	-	128	128	128	-	-	128
WB 670+00.00 TO 718+18.12	-	-	124	124	124	-	-	124
SUBTOTAL	170	55	692	692	917	170	55	692
TOTAL	917		692		917	225		692

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USER NAME = smaxwell	DESIGNED - RG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - RG	REVISED -
PLOT DATE = 10/3/2019	CHECKED - SDM	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET 4 OF 5 SHEETS	STA.	TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	21
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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PAVEMENT MARKING SCHEDULE												
LOCATION			SHOULDER RUMBLE STRIPS, 16 INCH	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - LINE 6"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"		POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	GROOVING FOR RECESSED PAVEMENT MARKING - 5 INCH	GROOVING FOR RECESSED PAVEMENT MARKING - 7 INCH	GROOVING FOR RECESSED PAVEMENT MARKING - 9 INCH
					WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE		
STATION	STATION	REMARKS	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
565+53.76	600+50.00	EB		874.1	8,489.4	9,930.0		1,373.8	121.7	9,209.7	874.1	686.9
565+53.76	600+50.00	WB	1,550.0	264.9	2,118.9	2,118.9				2,118.9	264.9	
600+50.00	628+00.00	EB	1,349.8	577.4	5,500.0	5,500.0	135.6			5,500.0	669.2	
600+50.00	628+00.00	WB	1,390.9	594.6	5,500.0	5,500.0	137.1			5,500.0	688.4	
628+00.00	656+00.00	EB	698.2	706.5	4,290.8	10,334.7		4,528.8	698.9	6,531.6	750.3	2,264.4
628+00.00	656+00.00	WB	1,398.3	870.2	9,340.6	8,772.3		2,491.4		7,186.2	913.5	
656+00.00	684+00.00	EB	1,696.0	566.1	4,108.8	6,881.5	134.0	5,073.2	797.5	9,951.4	700.1	2,536.6
656+00.00	684+00.00	WB	2,838.2	565.1	15,406.6	6,594.9	135.0	2,317.2	554.4	11,000.6	700.1	2,404.3
684+00.00	698+32.87	EB		358.9	6,475.1	2,865.7				2,865.7	358.9	
684+00.00	718+18.12	WB	1,500.0	854.5	6,830.9	6,830.9				6,830.9	854.5	
SUBTOTAL			12,421.4	6,232.3	68,061.0	65,328.9	541.7	15,784.4	2,172.5	66,694.9	6,774.0	7,892.2
TOTAL			12,422	6,233	133,390		542	15,785	2,173	66,695	6,774	7,893

QUANTITIES HAVE BEEN PROVIDED TO RE-STRIPE THE ENTIRETY OF RAMPS EFFECTED BY STAGING WITHIN THIS CONTRACT. (NOT SHOWN ON PAVEMENT MARKING PLAN SHEETS)



USER NAME = smaxwell	DESIGNED - RG	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - SDM	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

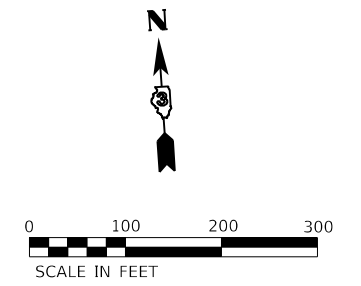
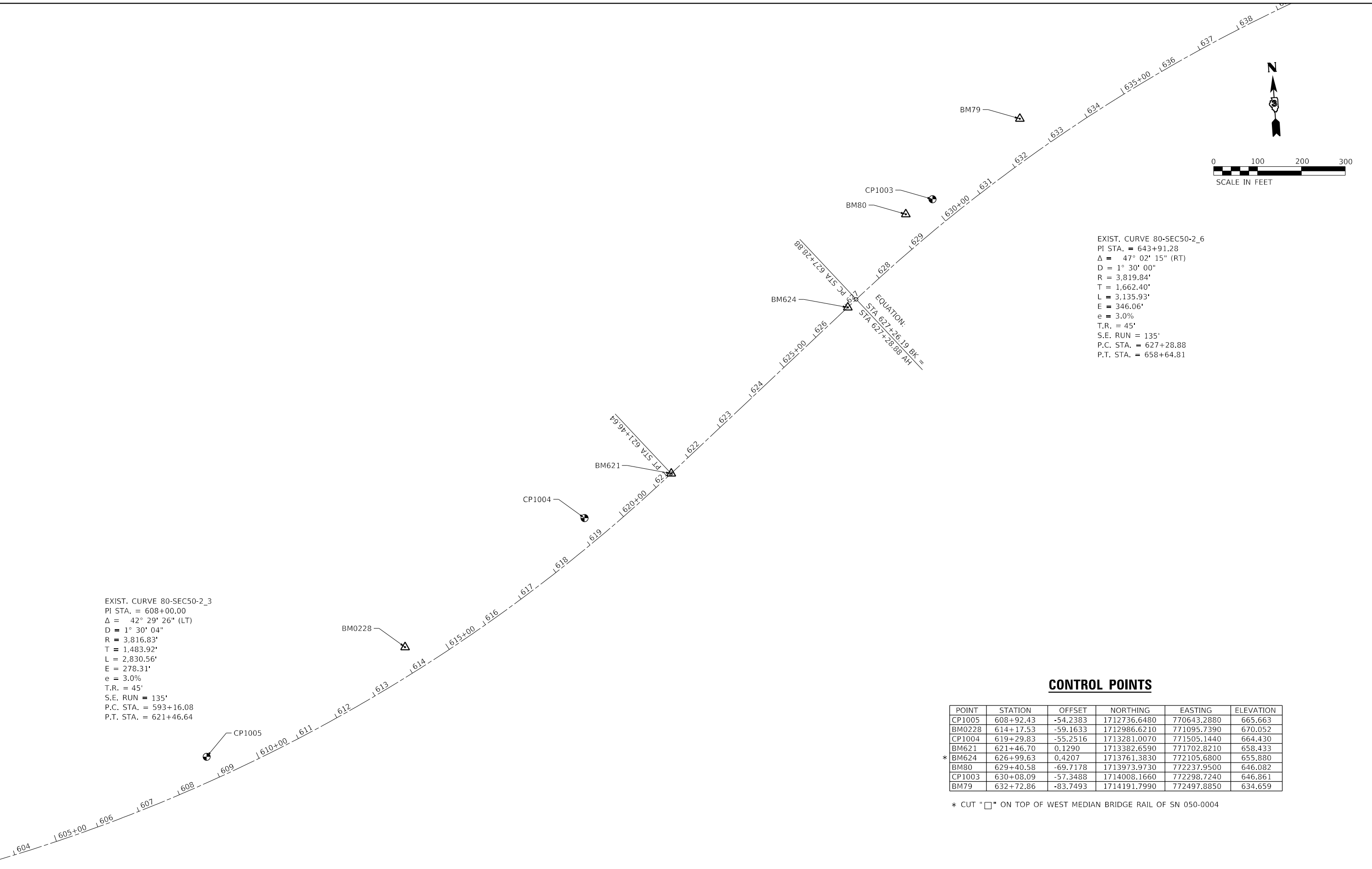
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET 5 OF 5 SHEETS	STA.	TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	22
CONTRACT NO. 66H21				
		ILLINOIS FED. AID PROJECT		



MODEL: D:\p18\181018\181018\_Various Structure IDOT D3 Farmsworth RTB 16121\Work Order 14 - L&B Roadway and other\CADD\CADD\_Sheets\0666121-ah-ha-all\1612181018.dgn



EXIST. CURVE 80-SEC50-2\_3  
 PI STA. = 608+00.00  
 $\Delta = 42^\circ 29' 26''$  (LT)  
 $D = 1^\circ 30' 04''$   
 $R = 3,816.83'$   
 $T = 1,483.92'$   
 $L = 2,830.56'$   
 $E = 278.31'$   
 $e = 3.0\%$   
 $T.R. = 45'$   
 $S.E. RUN = 135'$   
 $P.C. STA. = 593+16.08$   
 $P.T. STA. = 621+46.64$

EXIST. CURVE 80-SEC50-2\_6  
 PI STA. = 643+91.28  
 $\Delta = 47^\circ 02' 15''$  (RT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.84'$   
 $T = 1,662.40'$   
 $L = 3,135.93'$   
 $E = 346.06'$   
 $e = 3.0\%$   
 $T.R. = 45'$   
 $S.E. RUN = 135'$   
 $P.C. STA. = 627+28.88$   
 $P.T. STA. = 658+64.81$

**CONTROL POINTS**

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
CP1005	608+92.43	-54.2383	1712736.6480	770643.2880	665.663
BM0228	614+17.53	-59.1633	1712986.6210	771095.7390	670.052
CP1004	619+29.83	-55.2516	1713281.0070	771505.1440	664.430
BM621	621+46.70	0.1290	1713382.6590	771702.8210	658.433
* BM624	626+99.63	0.4207	1713761.3830	772105.6800	655.880
BM80	629+40.58	-69.7178	1713973.9730	772237.9500	646.082
CP1003	630+08.09	-57.3488	1714008.1660	772298.7240	646.861
BM79	632+72.86	-83.7493	1714191.7990	772497.8850	634.659

\* CUT "□" ON TOP OF WEST MEDIAN BRIDGE RAIL OF SN 050-0004



USER NAME = smaxwell	DESIGNED - TNS	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - TNS	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS & BENCHMARKS**

SCALE: 1"=100' SHEET 1 OF 2 SHEETS STA. TO STA.

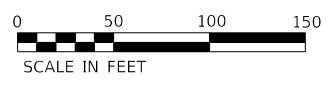
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	23
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



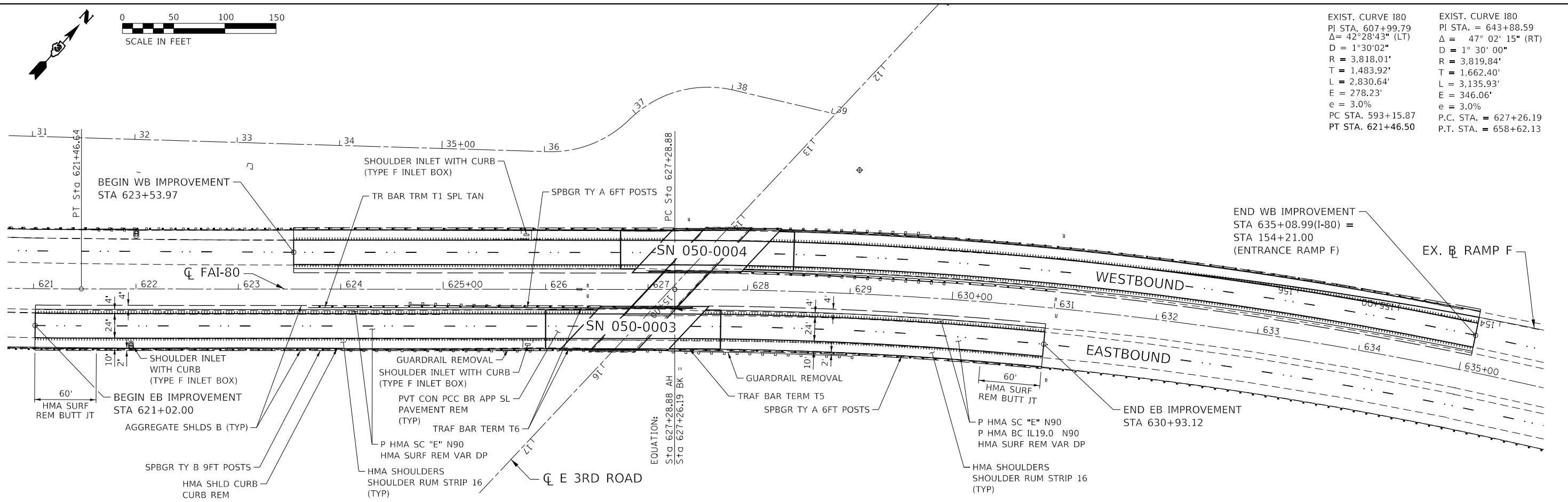


EXIST. CURVE 180  
 PI STA. 607+99.79  
 $\Delta = 42^\circ 28' 43''$  (LT)  
 $D = 1^\circ 30' 02''$   
 $R = 3,818.01'$   
 $T = 1,483.92'$   
 $L = 2,830.64'$   
 $E = 278.23'$   
 $e = 3.0\%$   
 PC STA. 593+15.87  
 PT STA. 621+46.50

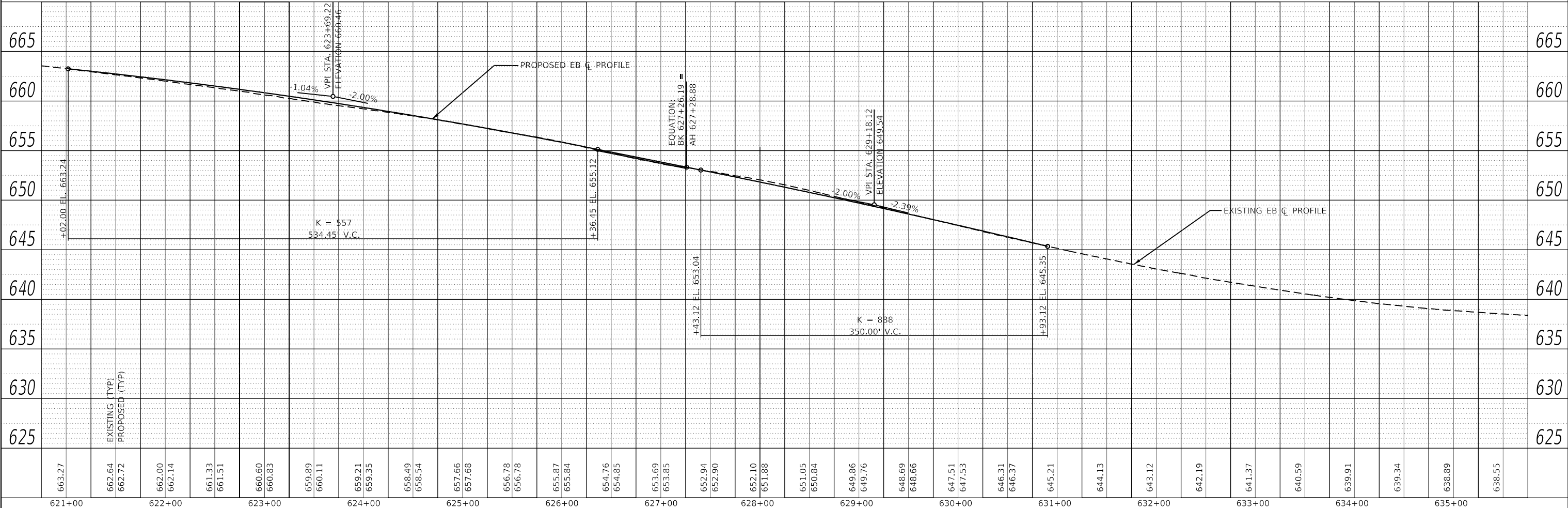
EXIST. CURVE 180  
 PI STA. = 643+88.59  
 $\Delta = 47^\circ 02' 15''$  (RT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.84'$   
 $T = 1,662.40'$   
 $L = 3,135.93'$   
 $E = 346.06'$   
 $e = 3.0\%$   
 P.C. STA. = 627+26.19  
 P.T. STA. = 658+62.13



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NOTATION	
	NO.	



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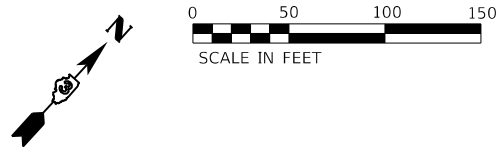


USER NAME = smaxwell	DESIGNED - JB	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

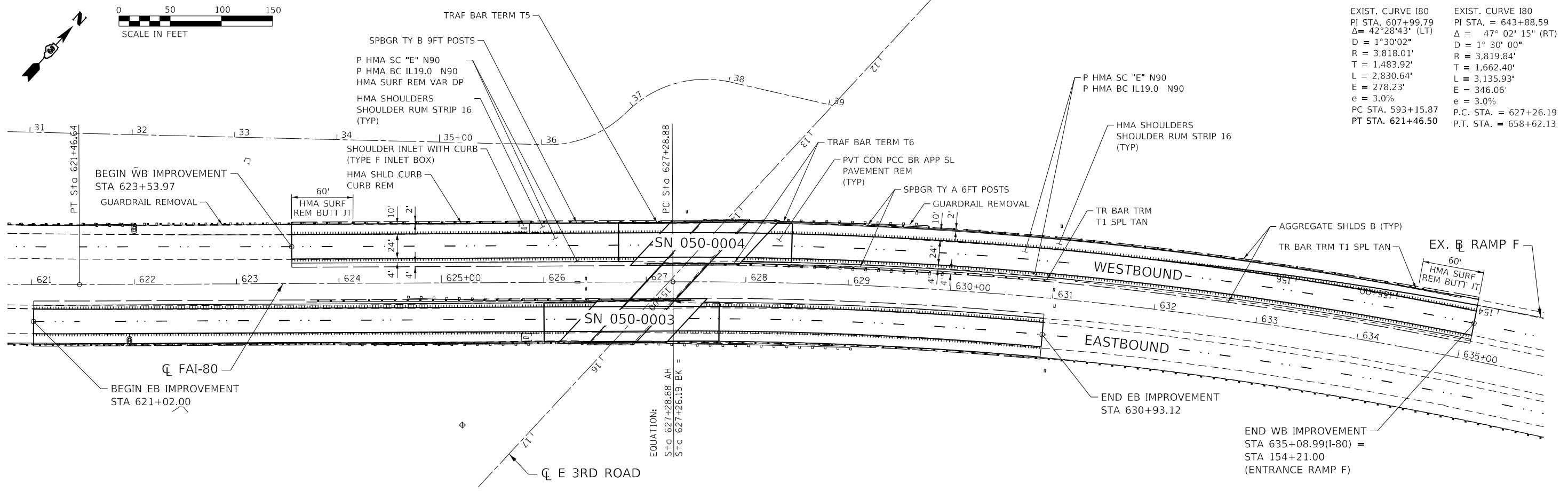
PLAN AND PROFILE			
SN 050-0003 EASTBOUND			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 621+02.00 TO STA. 635+08.99

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	26
				CONTRACT NO. 66H21
				ILLINOIS FED. AID PROJECT

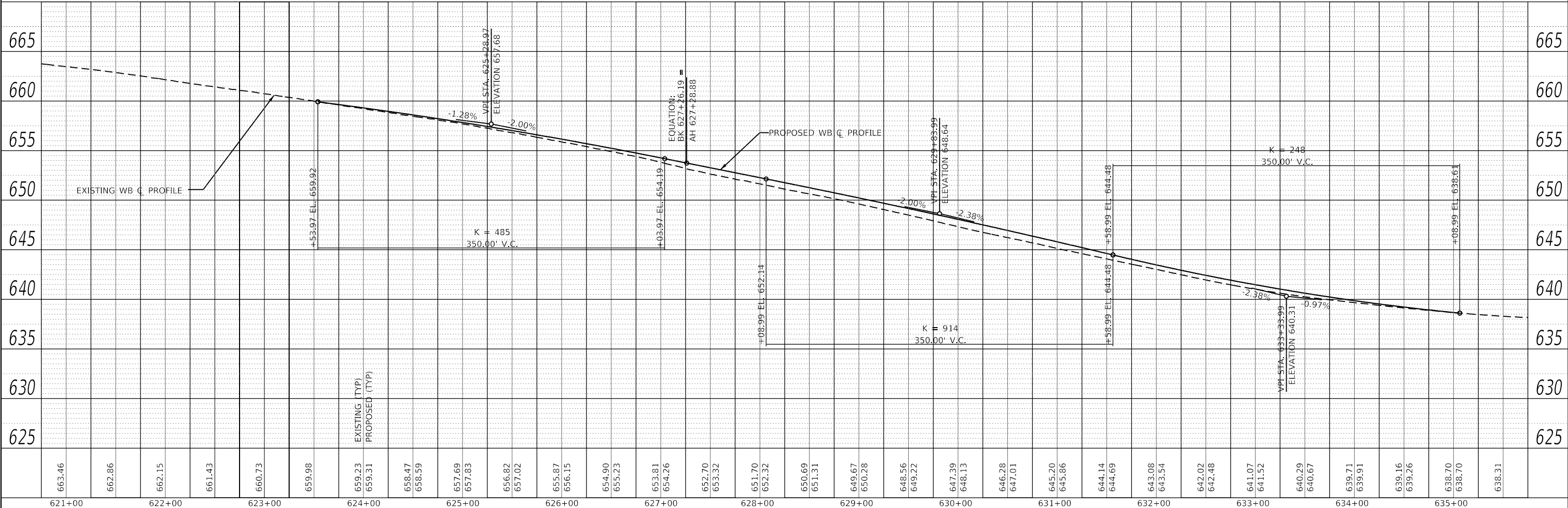


EXIST. CURVE I80 PI STA. = 607+99.79 $\Delta = 42^\circ 28' 43''$ (LT) D = 1° 30' 02" R = 3,818.01' T = 1,483.92' L = 2,830.64' E = 278.23' e = 3.0% PC STA. 593+15.87 PT STA. 621+46.50	EXIST. CURVE I80 PI STA. = 643+88.59 $\Delta = 47^\circ 02' 15''$ (RT) D = 1° 30' 00" R = 3,819.84' T = 1,662.40' L = 3,135.93' E = 346.06' e = 3.0% P.C. STA. = 627+26.19 P.T. STA. = 658+62.13
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PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

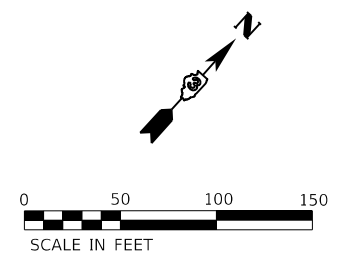


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PLOT SCALE = 100,0000' / in.	DRAWN - JB	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>		<b>SN 050-0004 WESTBOUND</b>	
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. 621+02.00 TO STA. 635+08.99

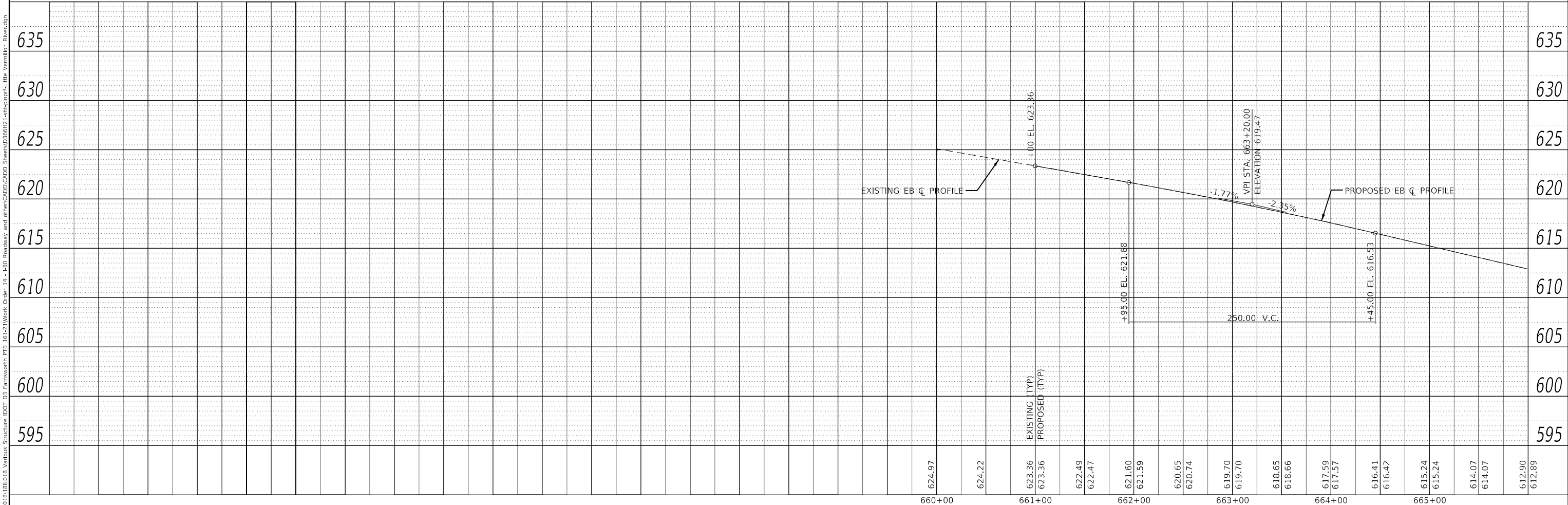
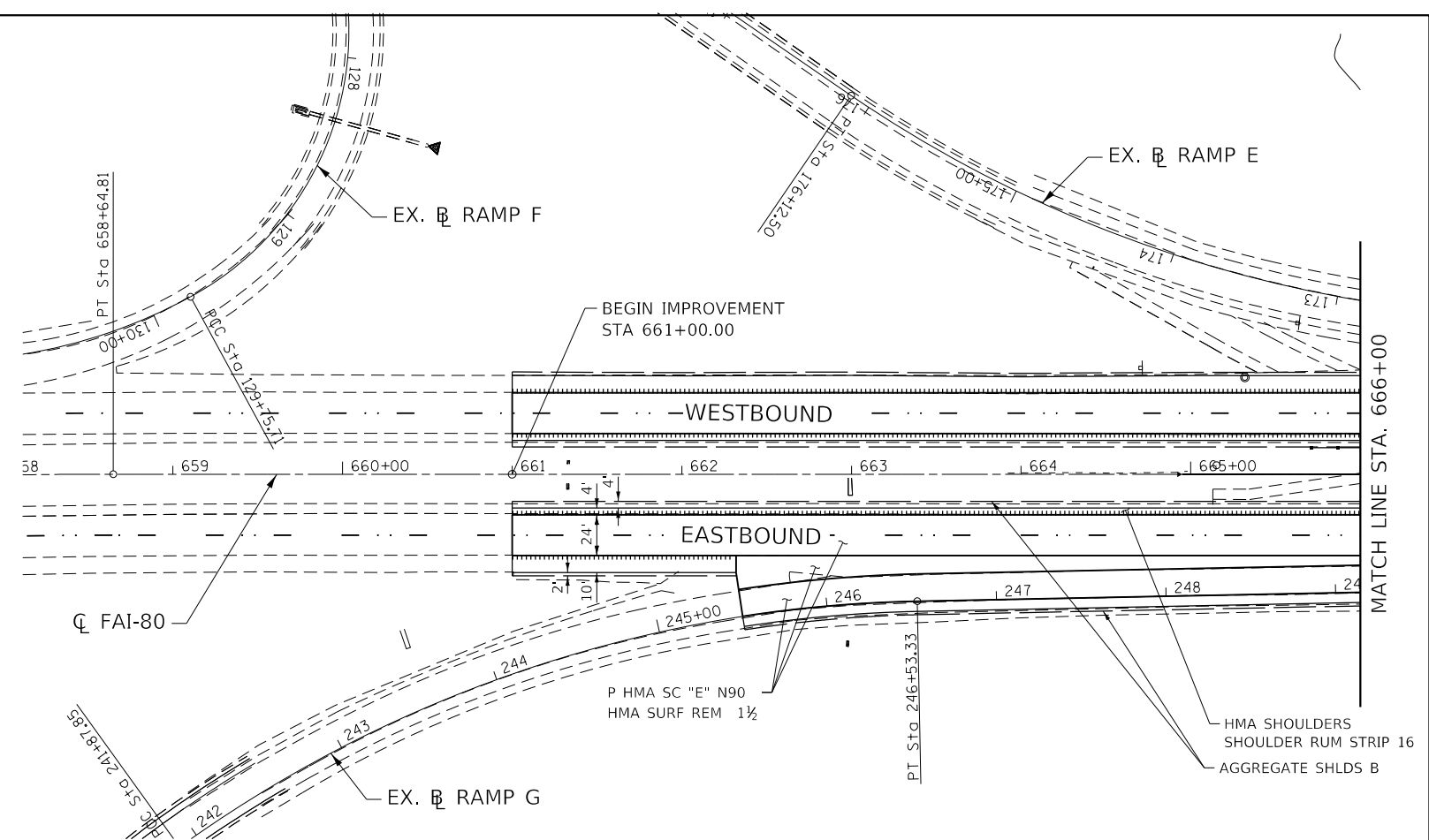
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	27
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

MODEL: Default  
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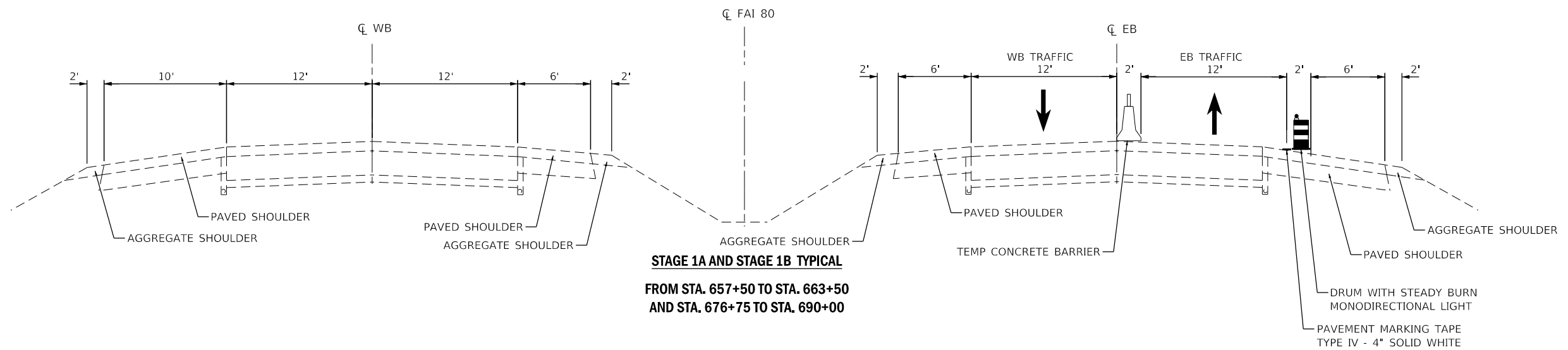
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	PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -					80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	28
	PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -		SCALE: 1"=50'	SHEET 1	OF 4 SHEETS	STA. 658+00.00	TO STA. 666+00.00	CONTRACT NO. 66H21		
										ILLINOIS FED. AID PROJECT		



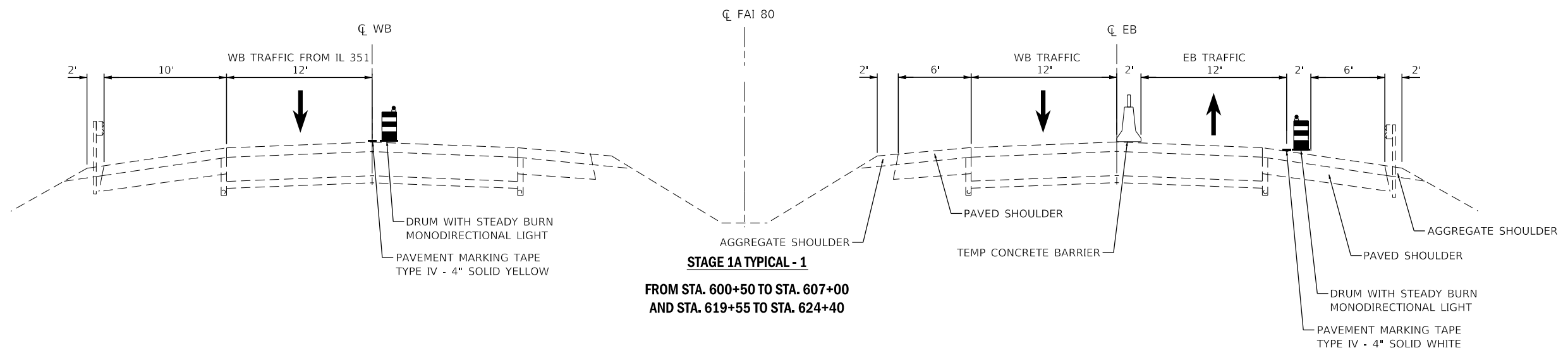




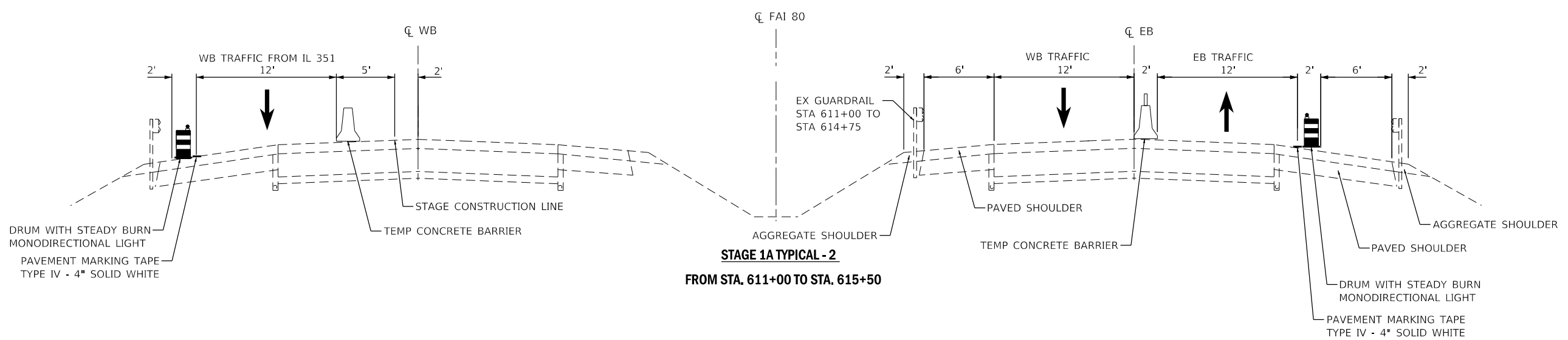




**STAGE 1A AND STAGE 1B TYPICAL**  
**FROM STA. 657+50 TO STA. 663+50**  
**AND STA. 676+75 TO STA. 690+00**



**STAGE 1A TYPICAL - 1**  
**FROM STA. 600+50 TO STA. 607+00**  
**AND STA. 619+55 TO STA. 624+40**



**STAGE 1A TYPICAL - 2**  
**FROM STA. 611+00 TO STA. 615+50**

MODEL: Default  
 FILE NAME: S:\2018\1811018 - Various Structure IDOT 03 Farnsworth PTB 16121\Work Order 14 - L80 Roadway and other\CADD\CADD Sheets\1811018-14-MOT-Typical.dwg  
 PLOT DATE = 10/3/2019



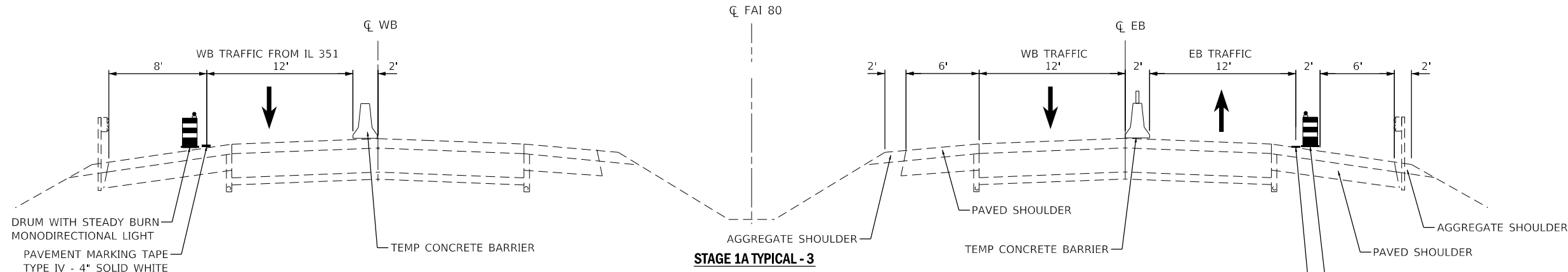
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DRAWN - TOM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

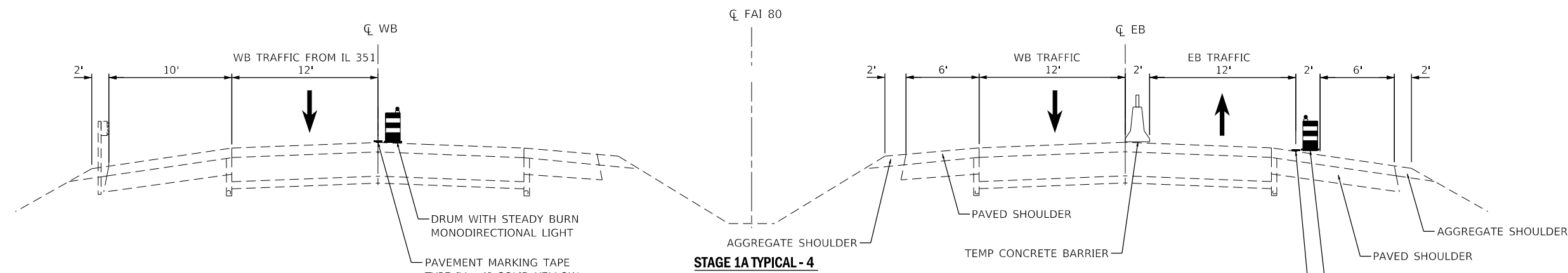
**TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

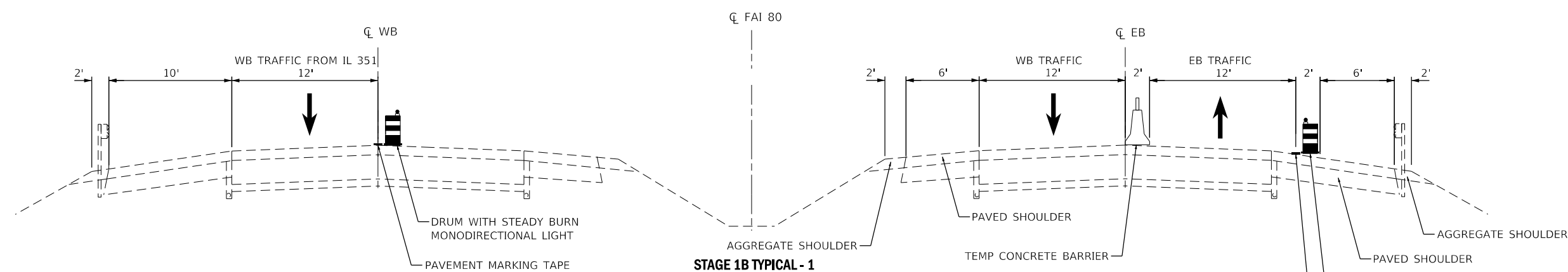
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	32
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**STAGE 1A TYPICAL - 3**  
FROM STA. 626+50 TO STA. 630+50



**STAGE 1A TYPICAL - 4**  
FROM STA. 633+50 TO STA. 657+50



**STAGE 1B TYPICAL - 1**  
FROM STA. 600+50 TO STA. 604+00

MODEL: Default  
FILE NAME: S:\2019\181181018 - Various Structure IDOT D3 Farnsworth PTB 161211\Work Order 14 - L80 Roadway and other\CADD\CADD Sheets\181181018-14-MDT\_Typical.dwg



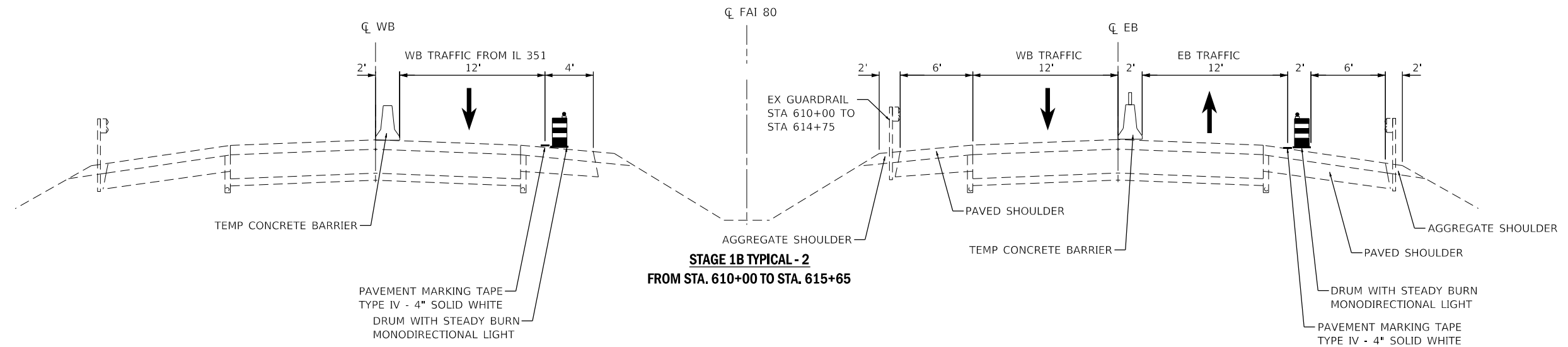
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DRAWN - TOM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

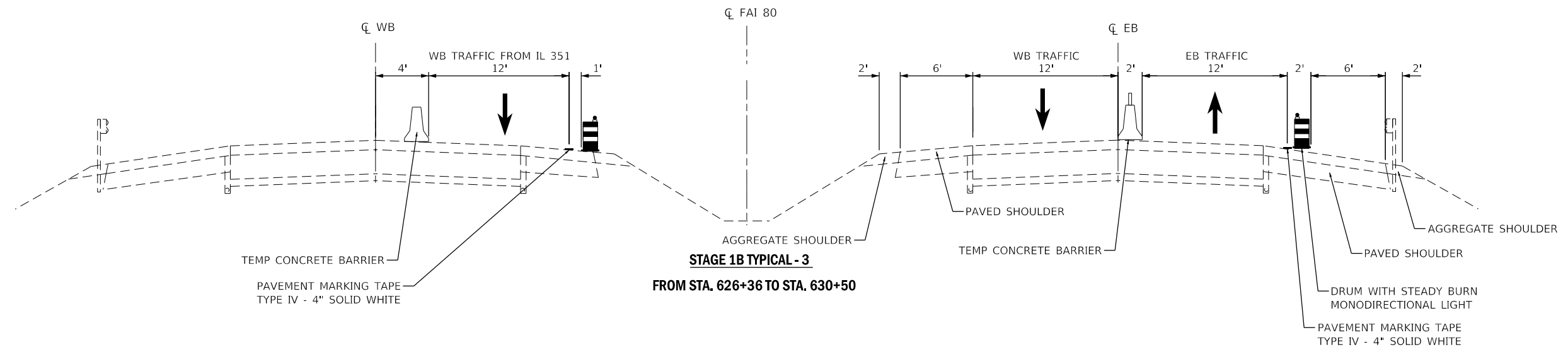
**TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

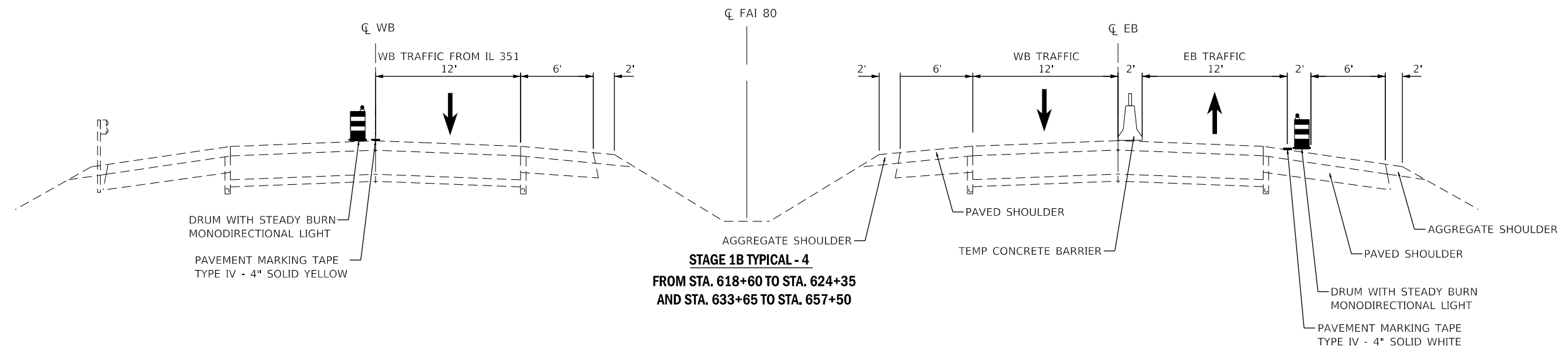
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	33
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	



**STAGE 1B TYPICAL - 2**  
FROM STA. 610+00 TO STA. 615+65



**STAGE 1B TYPICAL - 3**  
FROM STA. 626+36 TO STA. 630+50



**STAGE 1B TYPICAL - 4**  
FROM STA. 618+60 TO STA. 624+35  
AND STA. 633+65 TO STA. 657+50

MODEL: Default  
FILE NAME: S:\2019\181181018\_Various Structure IDOT D3 Farnsworth PTB 161211Work Order 14 - L&B Roadway and other\CADD\CADD Sheets\181181018-MOT\_Typical.dgn



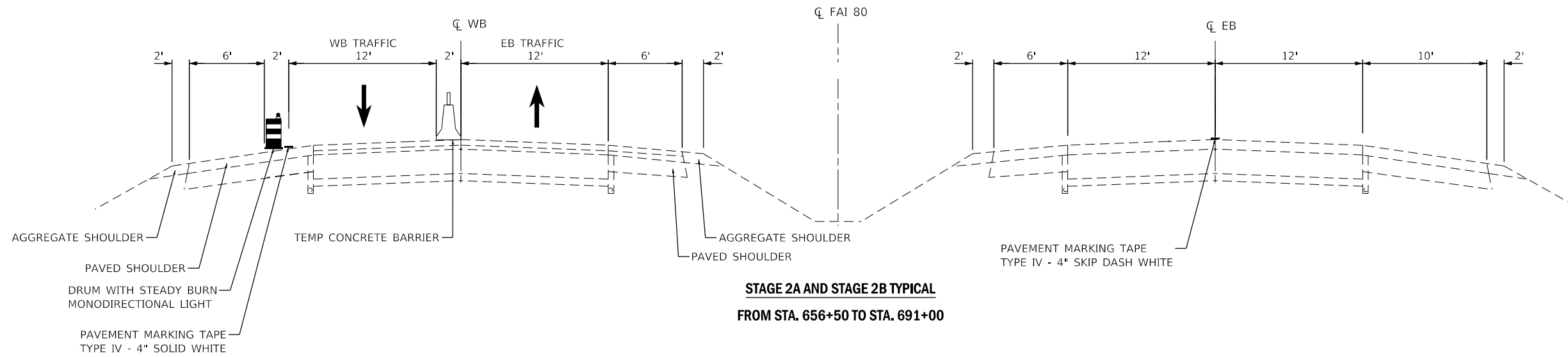
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DRAWN - TOM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

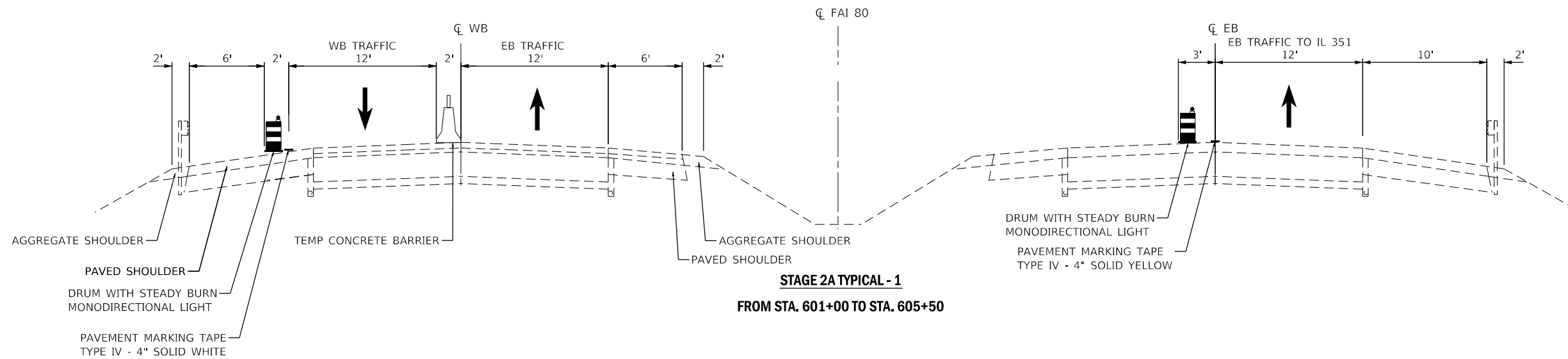
**TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

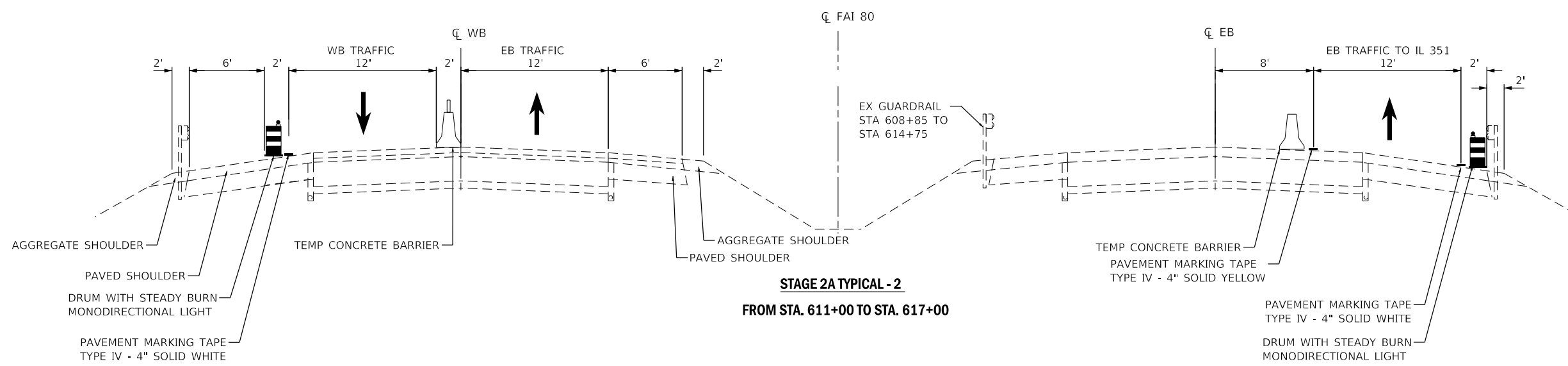
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	34
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**STAGE 2A AND STAGE 2B TYPICAL**  
**FROM STA. 656+50 TO STA. 691+00**



**STAGE 2A TYPICAL - 1**  
**FROM STA. 601+00 TO STA. 605+50**



**STAGE 2A TYPICAL - 2**  
**FROM STA. 611+00 TO STA. 617+00**

MODEL: Default  
 FILE NAME: S:\2018\181181018\_Various Structure IDOT 03 Farnsworth PTB 161211Work Order 14 - L80 Roadway and other\CADD\CADD\_Sheets\066121-eh-MOT\_Typical.dwg  
 PLOT DATE = 10/3/2019



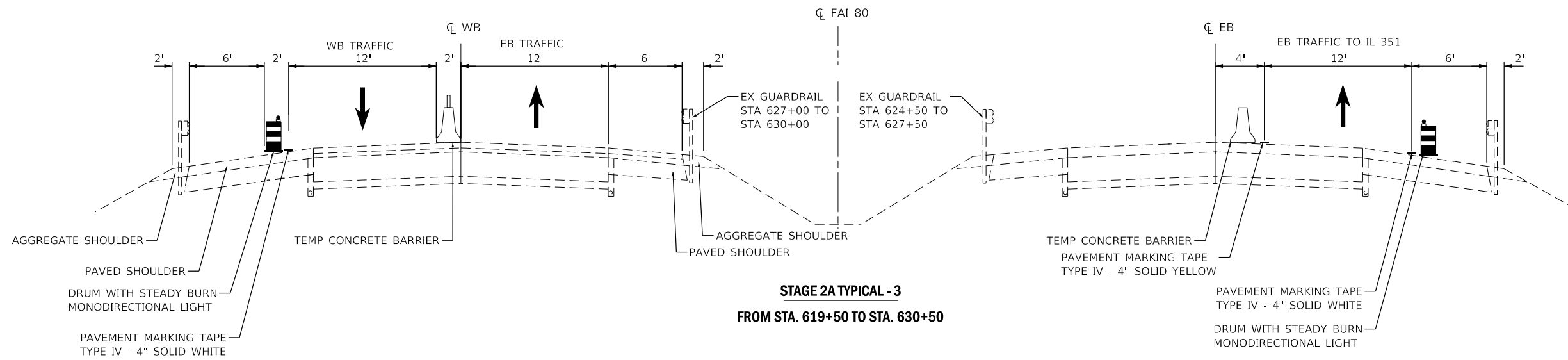
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DRAWN - TOM	REVISED -	
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DATE - 10/4/2019	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

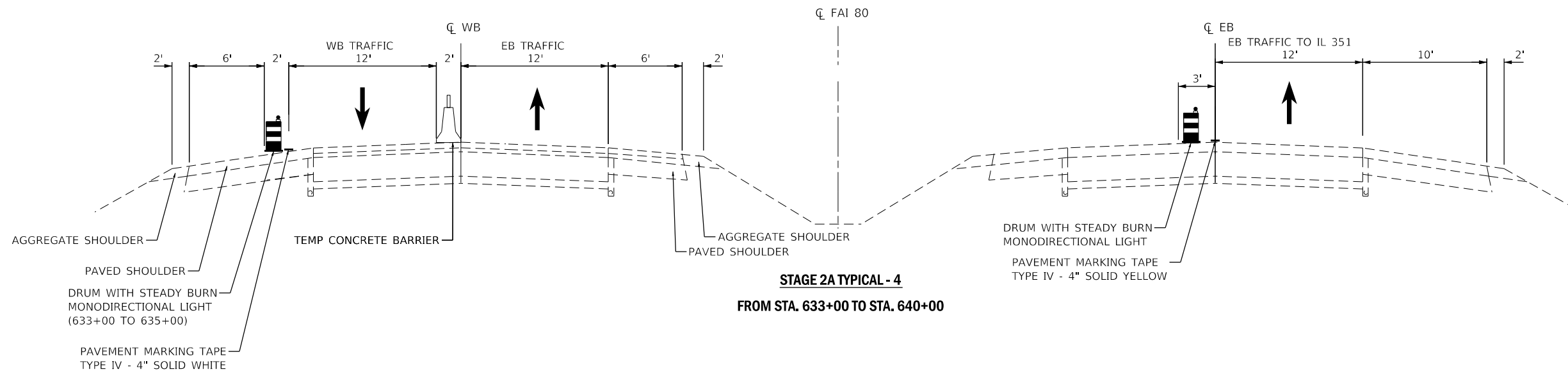
**TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

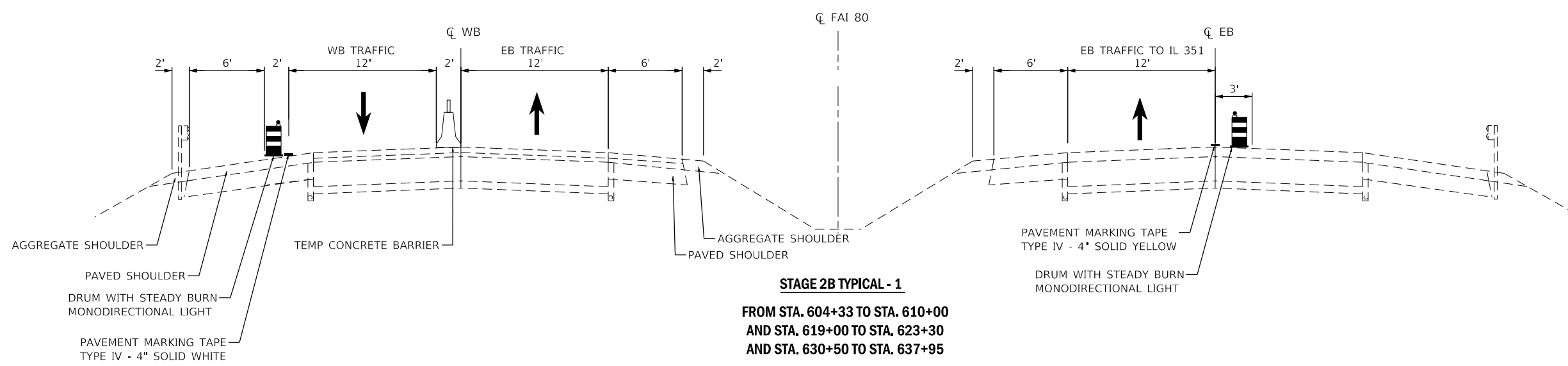
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	35
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**STAGE 2A TYPICAL - 3**  
FROM STA. 619+50 TO STA. 630+50



**STAGE 2A TYPICAL - 4**  
FROM STA. 633+00 TO STA. 640+00



**STAGE 2B TYPICAL - 1**  
FROM STA. 604+33 TO STA. 610+00  
AND STA. 619+00 TO STA. 623+30  
AND STA. 630+50 TO STA. 637+95

MODEL: Default  
FILE NAME: S:\2019\1811018\_Various Structure IDOT 03 Farnsworth PTB 161211Work Order 14 - 180 Roadway and other\CADD\CADD\_Sheets\1811018\_Various Structure IDOT 03 Farnsworth PTB 161211Typical.dwg



USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

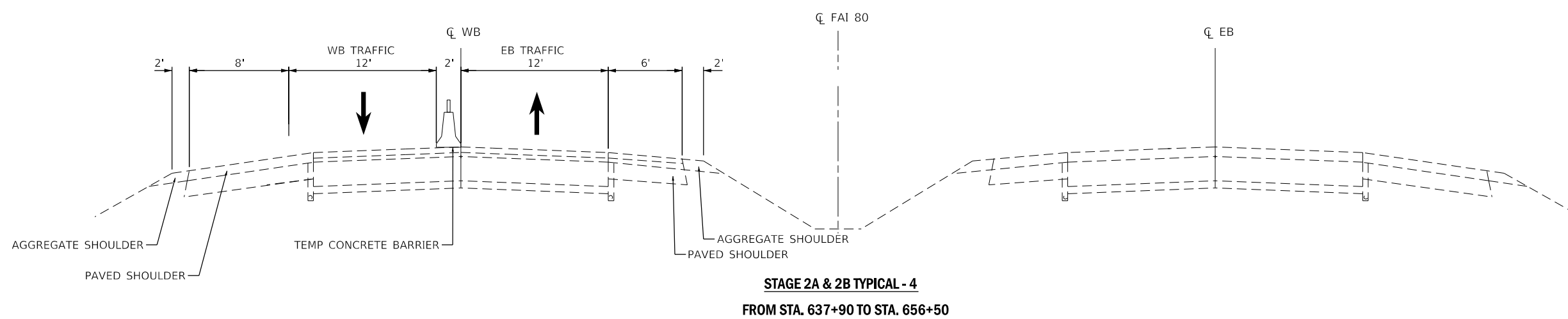
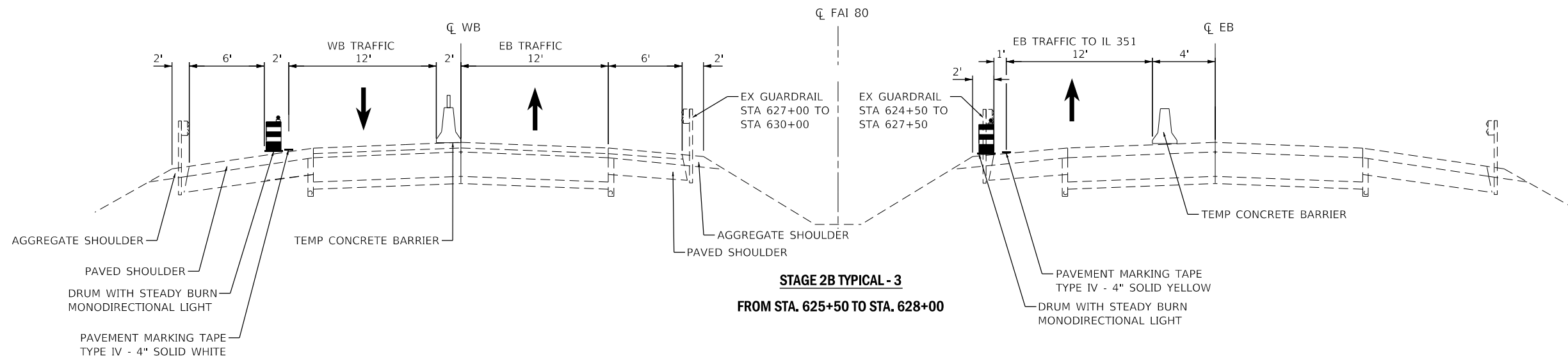
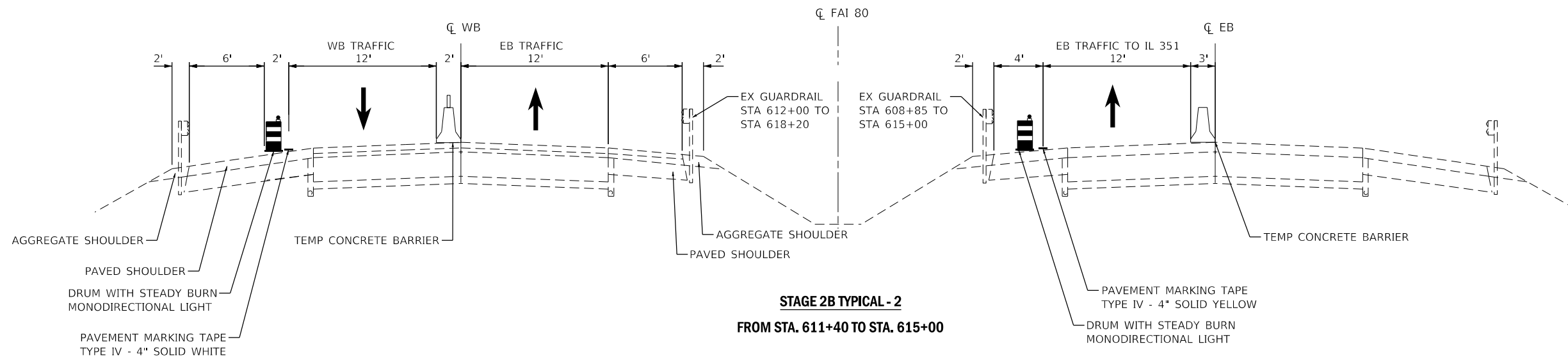
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	36
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				





MODEL: Default  
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 PLOT DATE = 10/3/2019



USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

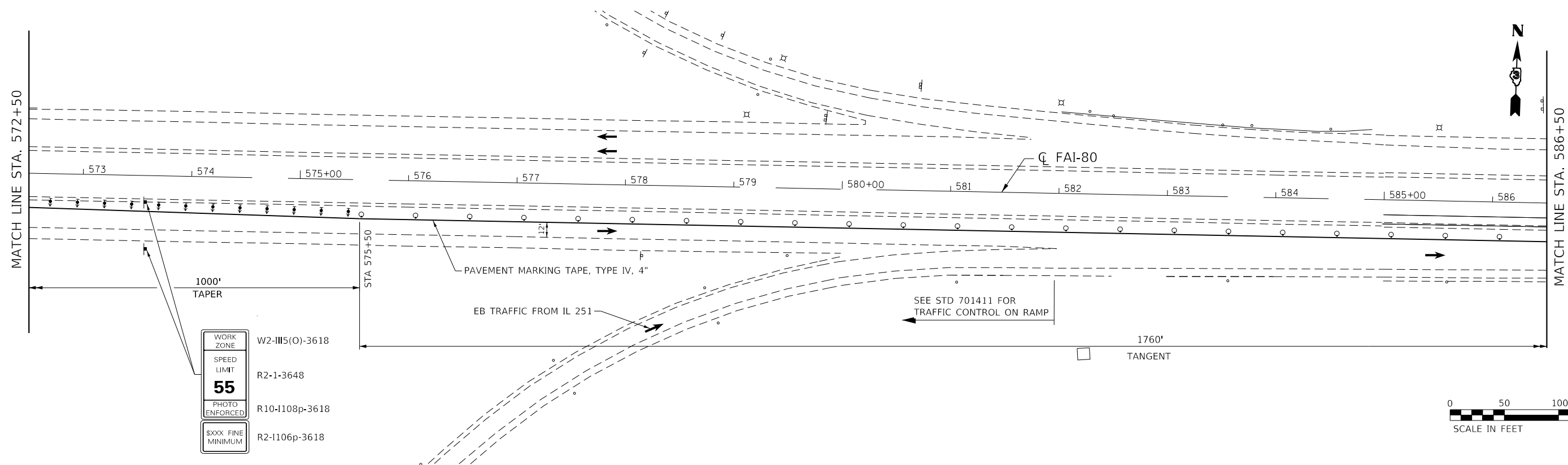
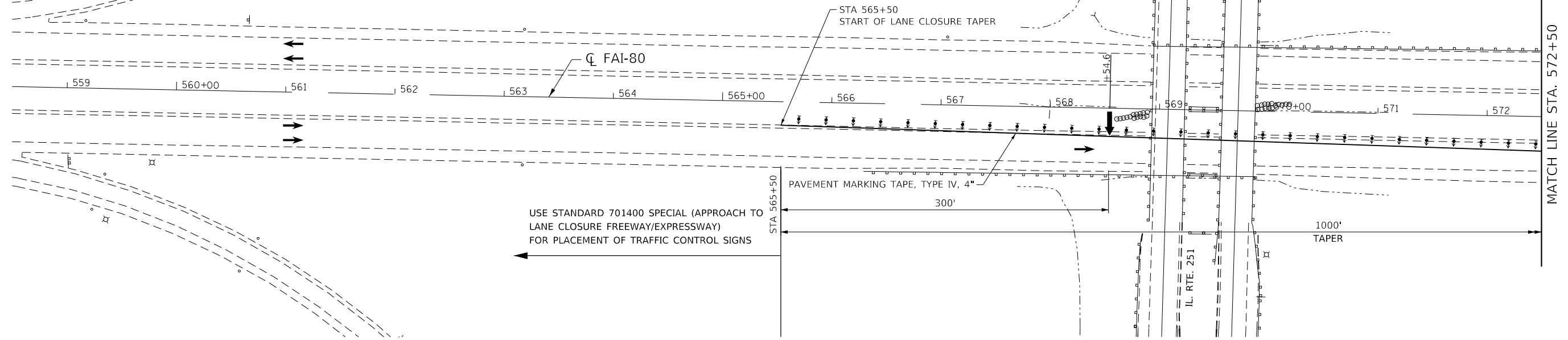
**TRAFFIC CONTROL TYPICAL SECTIONS**

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	37
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  TEMPORARY INFORMATION SIGN
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  TYPE III BARRICADES
-  ARROW BOARD
-  IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
-  DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
-  DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
-  WORK AREA



WORK ZONE W2-III(0)-3618  
 SPEED LIMIT R2-1-3648  
**55**  
 PHOTO ENFORCED R10-1108p-3618  
 SXXX FINE MINIMUM R2-1106p-3618



MODEL: Default  
 FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - L80 Roadway and other\CADD\CADD\_Sheets\181181\_018\_MDT\_181A.dgn



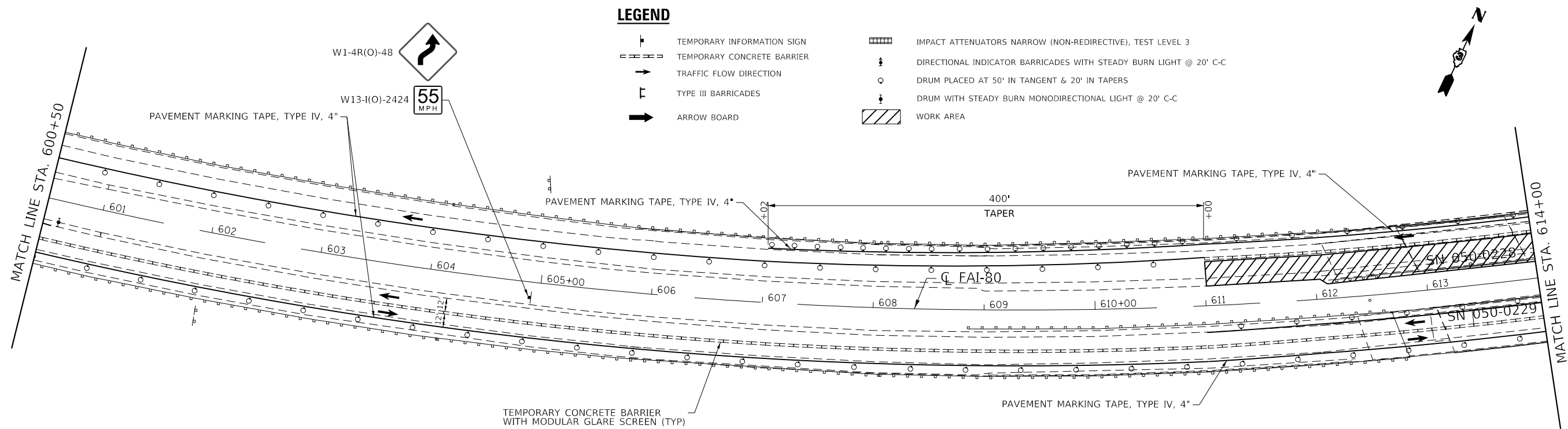
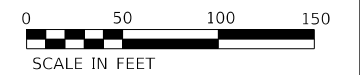
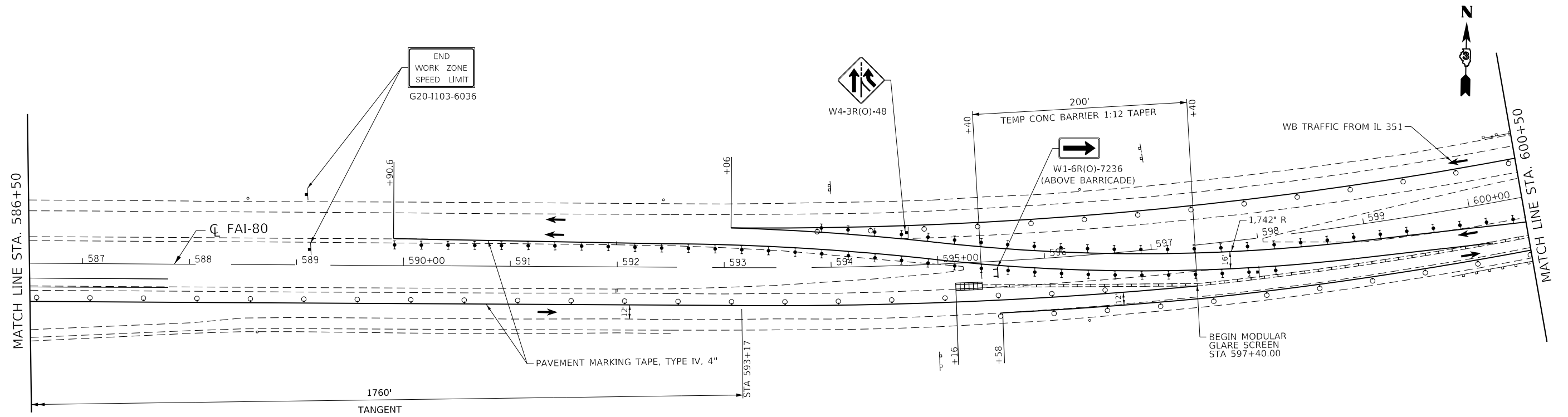
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PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 1A**

SCALE: SHEET 1 OF 7 SHEETS STA. 658+50.00 TO STA. 586+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	38
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA

MODEL: Default  
 FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - L89\_Roadway and other\CADD\CADD\_Sheets\181181\_018\_Various Structure IDOT D3 Farnsworth PTB 16121.dgn



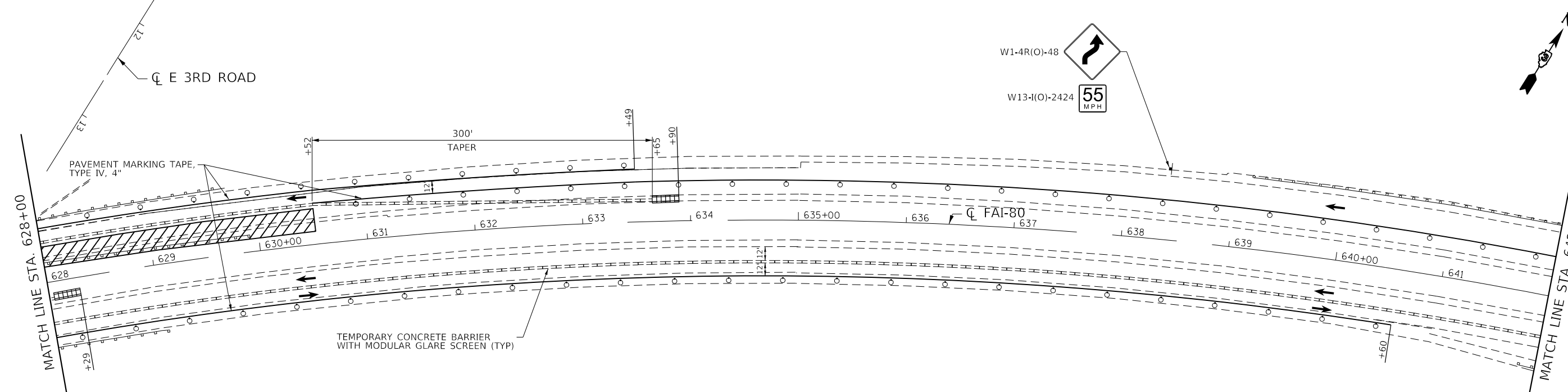
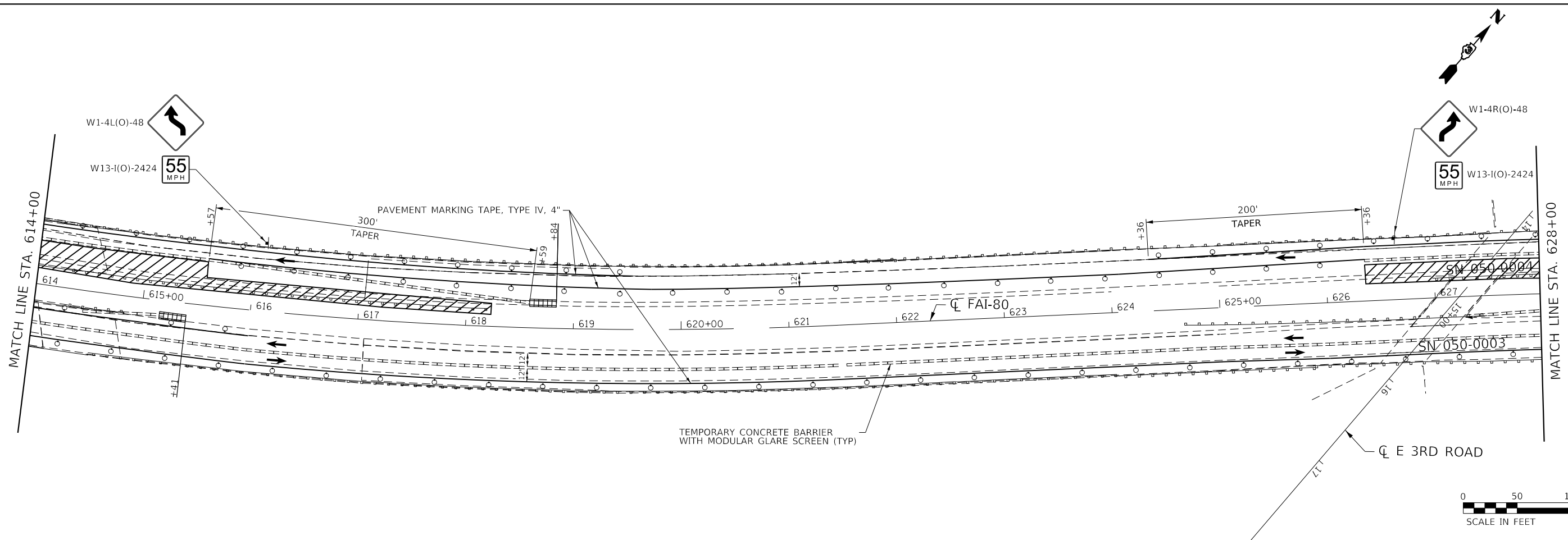
USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - MCV	REVISIONS -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 1A**

SCALE: SHEET 2 OF 7 SHEETS STA. 586+50.00 TO STA. 614+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	39
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA

MODEL: Default  
 FILE NAME: S:\2019\181181\181181\_1809\_Roadway and other\CADD\CADD\_Sheets\DOT\66H21\sh-1A.dgn  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 10/3/2019



USER NAME = smaxwell	DESIGNED - MO	REVISED -
	DRAWN - TOM	REVISED -
	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

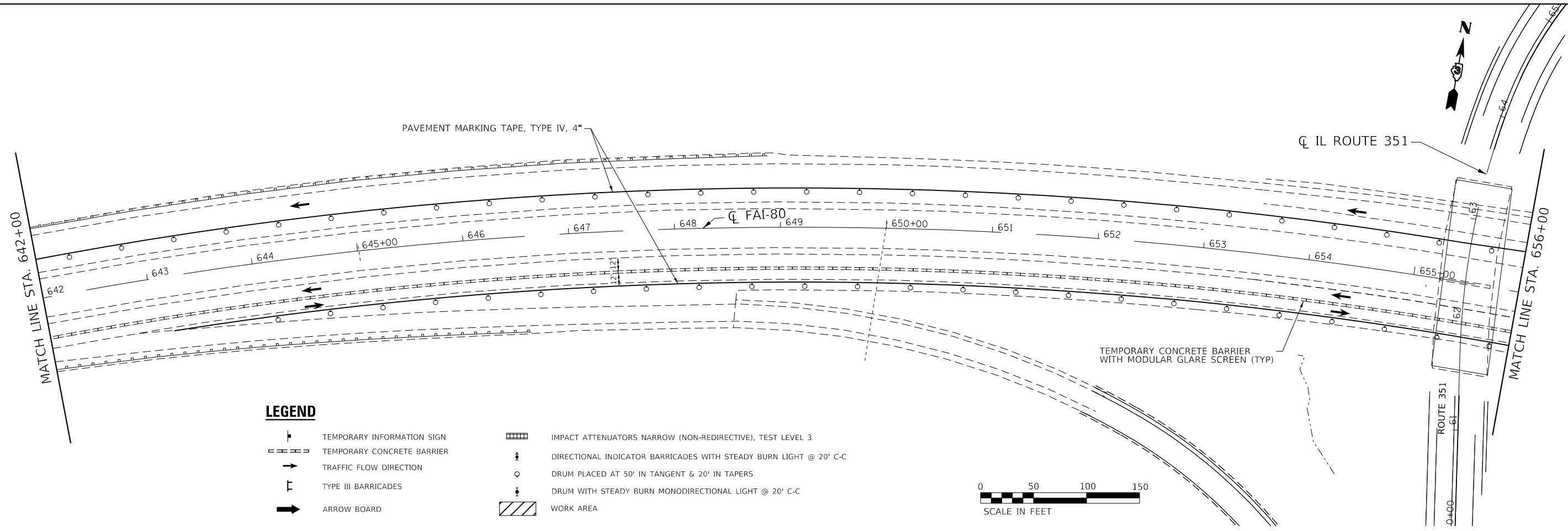
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 1A**

SCALE: SHEET 3 OF 7 SHEETS STA. 614+00.00 TO STA. 642+00.00

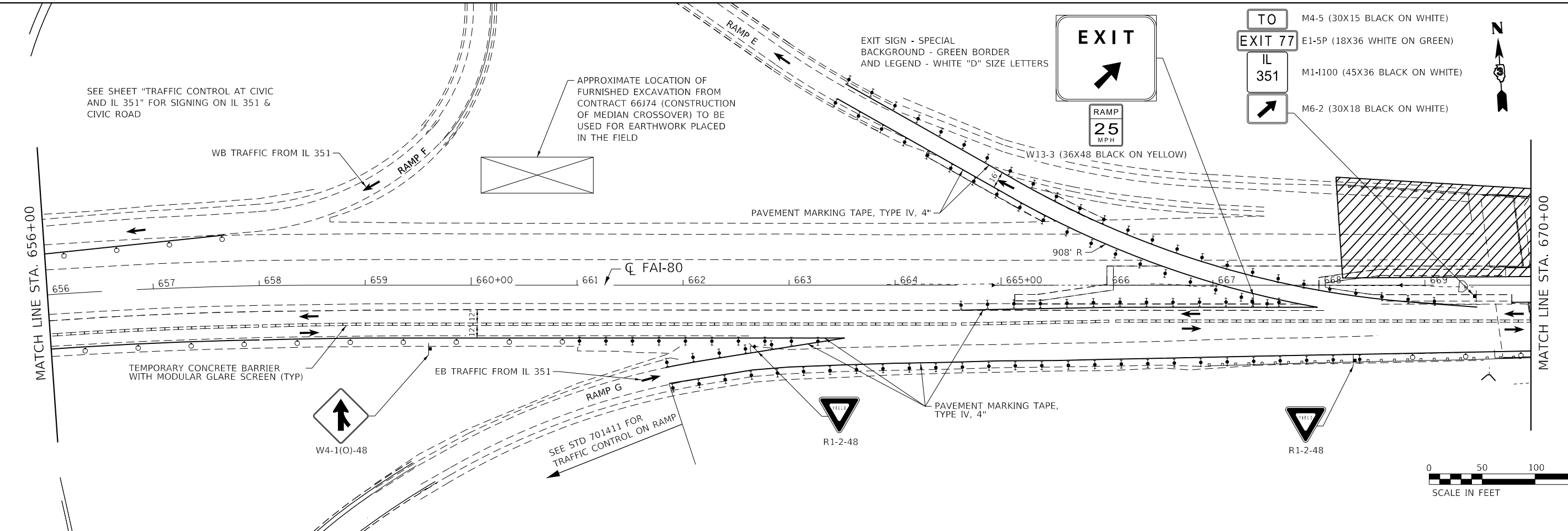
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	40
CONTRACT NO. 66H21				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
 FILE NAME: S:\2019\181181018\_Various Structure IDOT D3\_Farnsworth\_PTB\_16121\Work Order 14 - 1489\_Roadway and other\CADD\CADD\_Sheets\181181018-MOT-1&1A.dgn

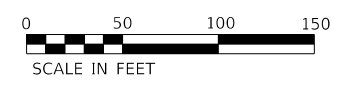
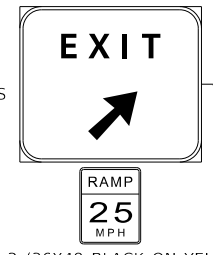


**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA



- TO M4-5 (30X15 BLACK ON WHITE)
- EXIT 77 E1-5P (18X36 WHITE ON GREEN)
- IL 351 M1-1100 (45X36 BLACK ON WHITE)
- M6-2 (30X18 BLACK ON WHITE)



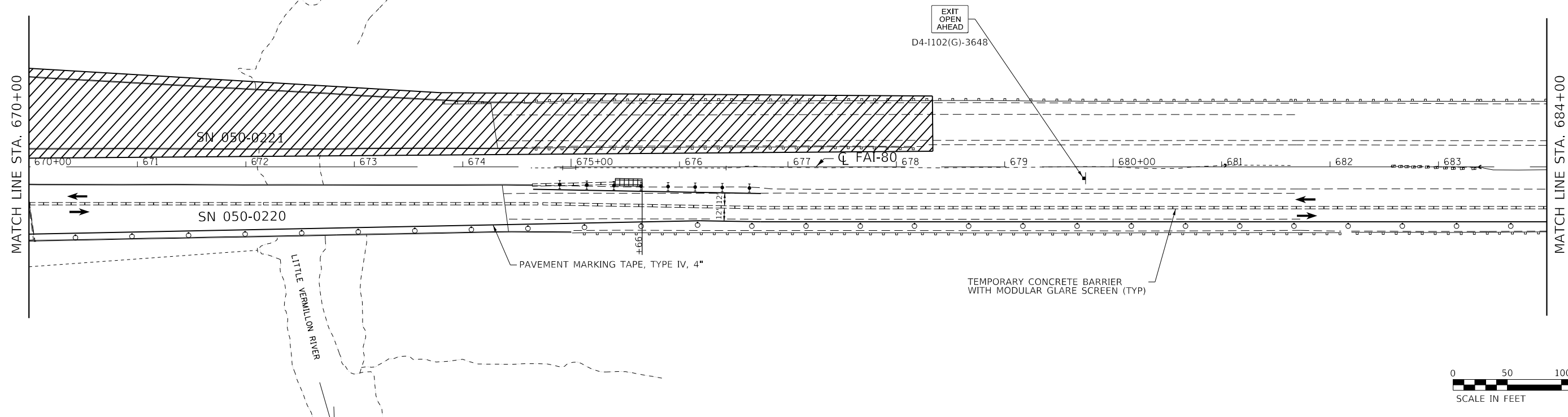
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	DRAWN - TOM	REVISED -
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 1A**

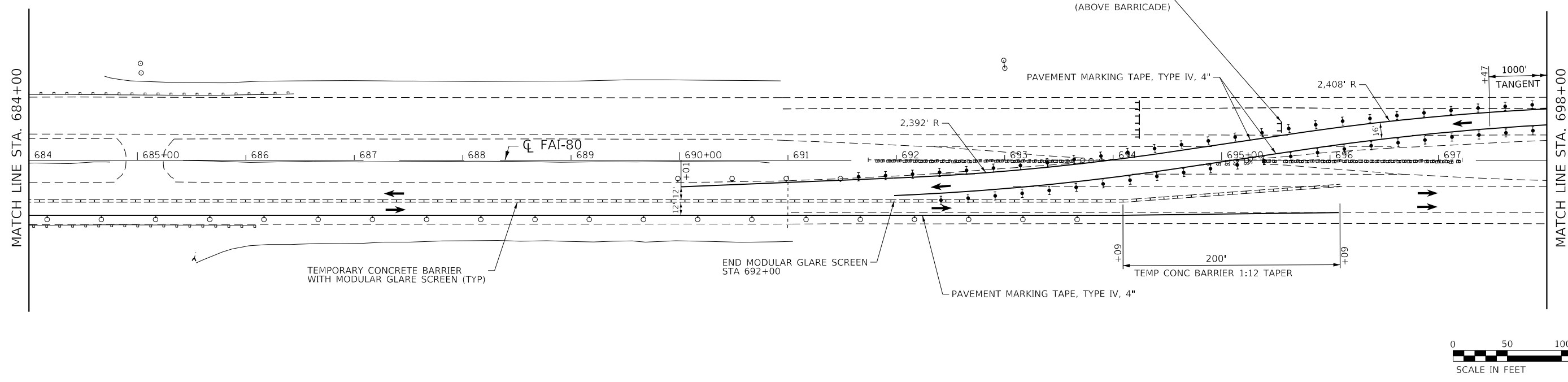
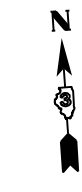
SCALE: SHEET 4 OF 7 SHEETS STA. 642+00.00 TO STA. 670+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	41
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA



MODEL: Default  
 FILE NAME: S:\2019\181181018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - L&B Roadway and other\CADD\CADD\_Sheets\181181018\_MOT\_1&1A.dgn



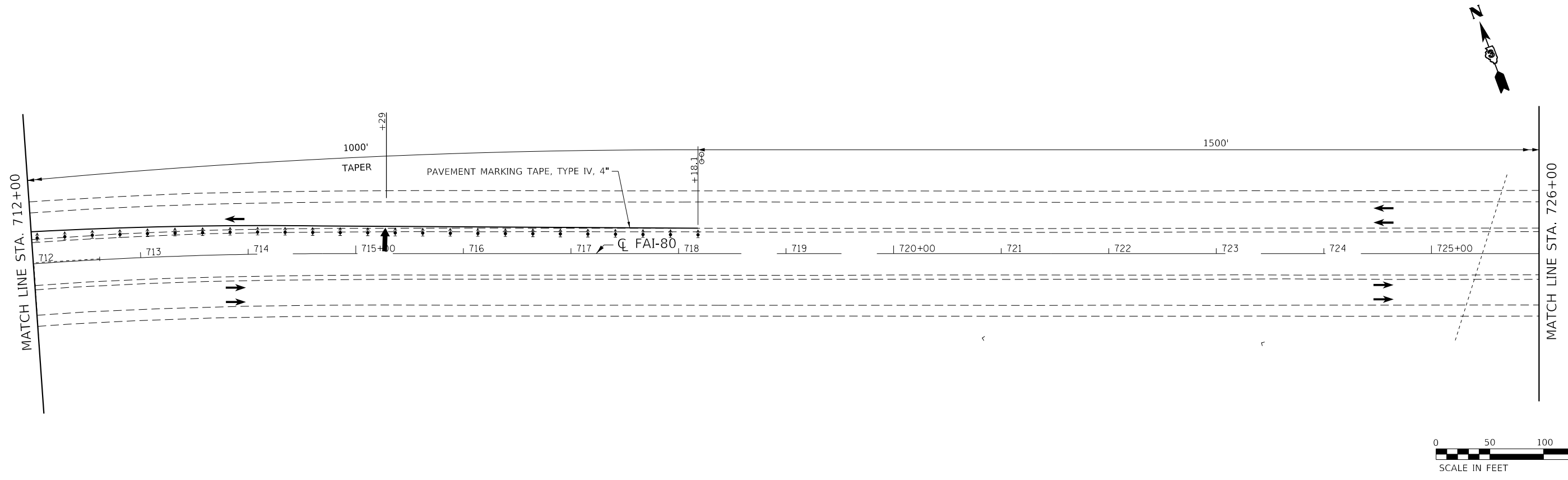
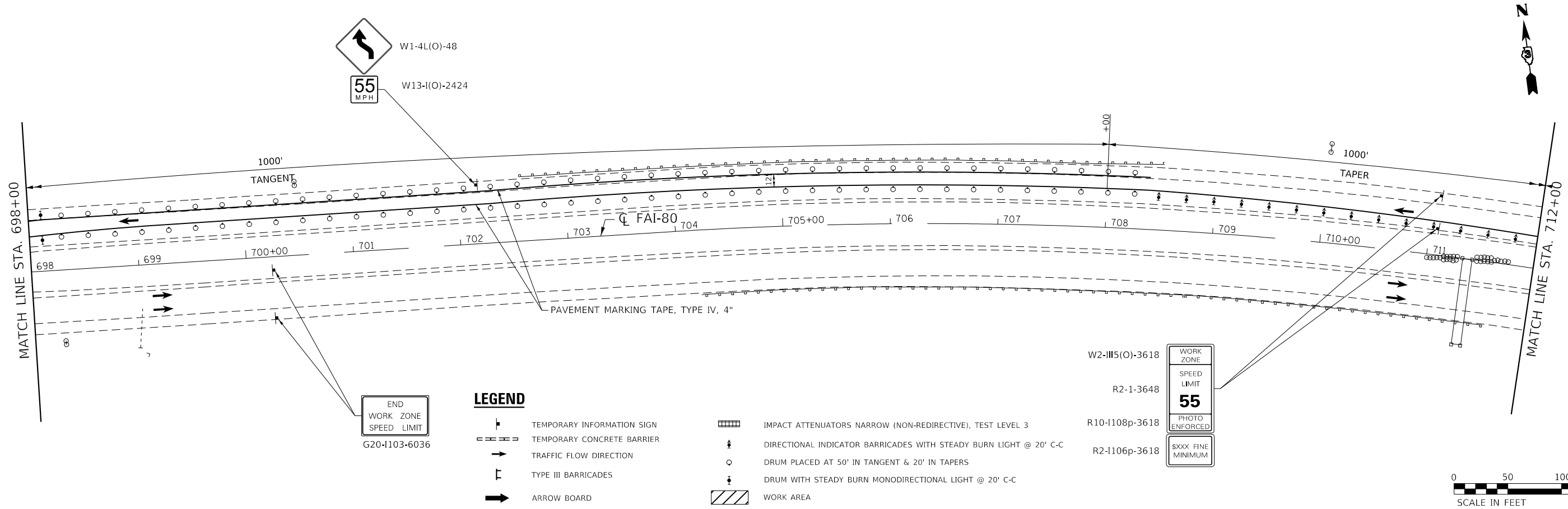
USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 1A**

SCALE: SHEET 5 OF 7 SHEETS STA. 670+00.00 TO STA. 698+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	42
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: S:\2019\181181018\_Various Structure IDOT D3 Farmsworth PTB 16121\Work Order 14 - L&B Roadway and other\CADD\CADD\_Sheets\181181018-MOT-1&1A.dgn



USER NAME = smaxwell	DESIGNED - MO	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 1A**

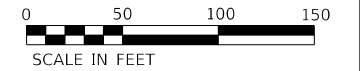
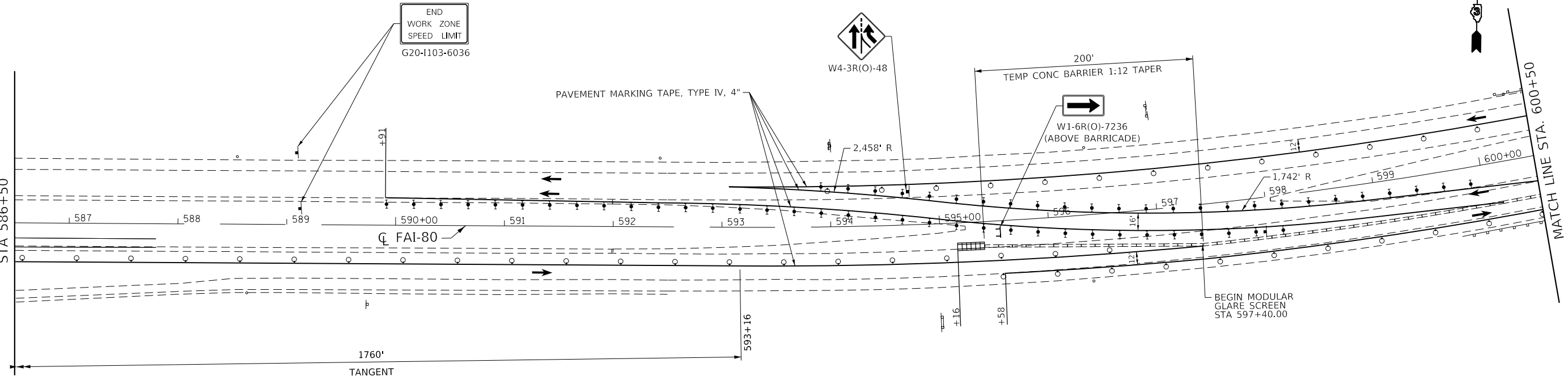
SCALE: SHEET 6 OF 7 SHEETS STA. 698+00.00 TO STA. 726+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	43
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



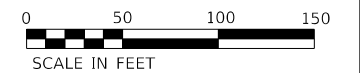
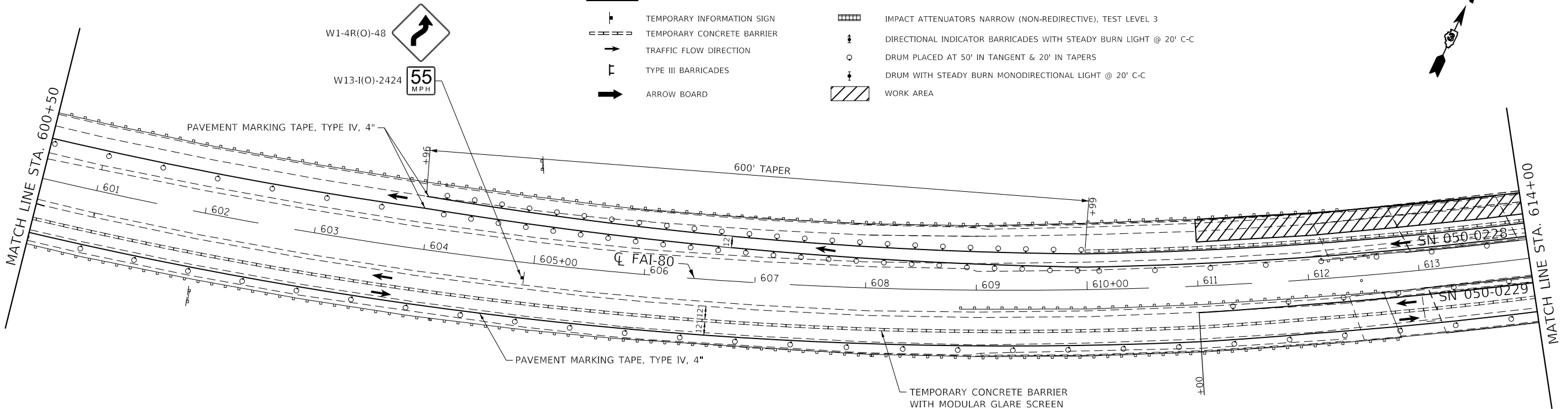


SEE STAGE 1A FOR CONTINUATION  
STA 586+50



**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA



MODEL: Default  
FILE NAME: S:\2019\181181\181181\_1809\_Roadway and other\CADD\CADD\_Sheets\181181\_1809\_MDT\_1B.dwg



USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -


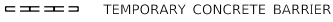








**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

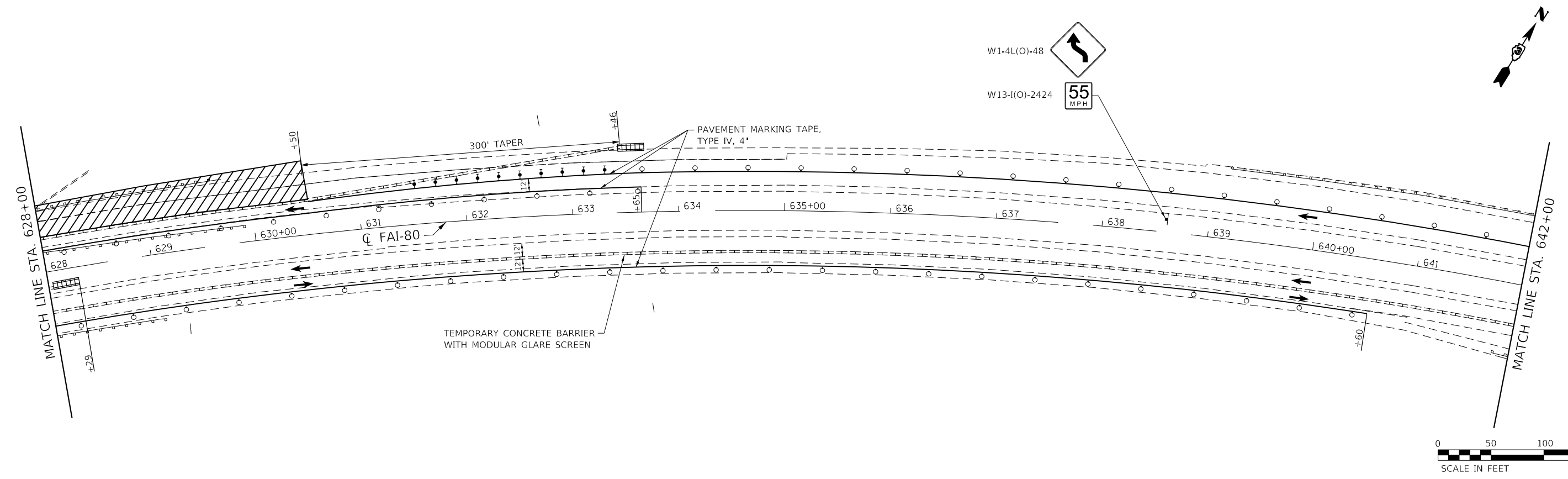
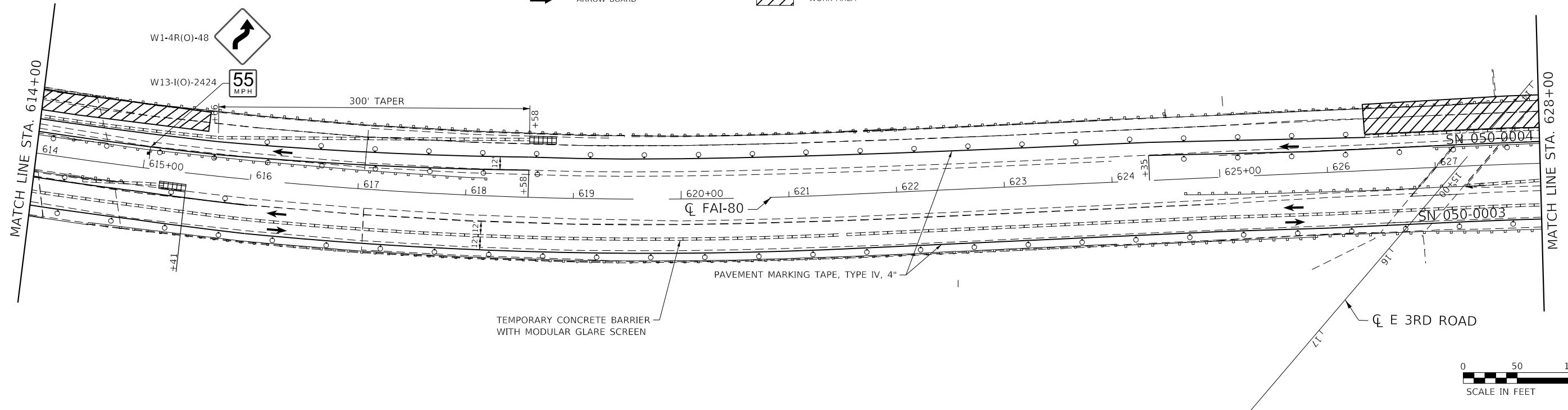
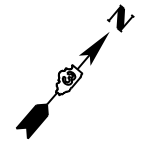
**TRAFFIC CONTROL STAGE 1B**

SCALE: SHEET 1 OF 3 SHEETS STA. 658+50.00 TO STA. 614+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	45
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  TEMPORARY INFORMATION SIGN
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  TYPE III BARRICADES
-  ARROW BOARD
-  IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
-  DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
-  DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
-  WORK AREA



MODEL: Default  
 FILE NAME: S:\2019\181181\181181\_1809\_Roadway and other\CADD\CADD\_Sheets\181181\_1809\_MDT\_1B.dgn  
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USER NAME = smaxwell	DESIGNED - MO	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

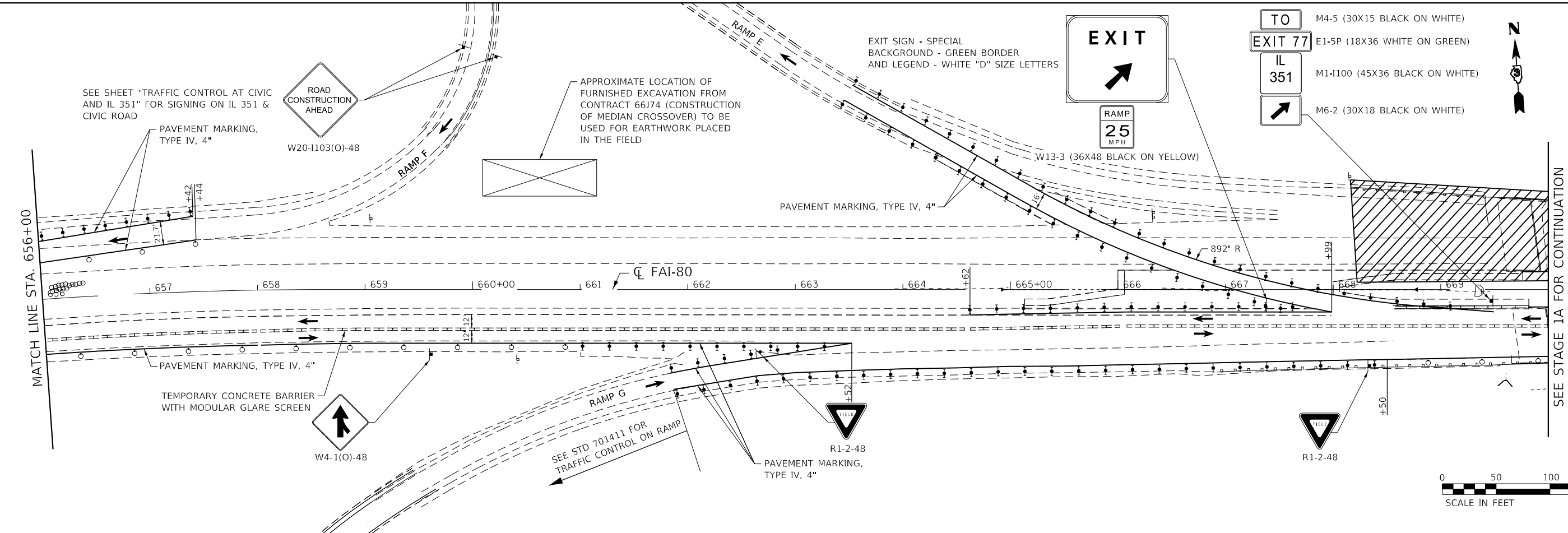
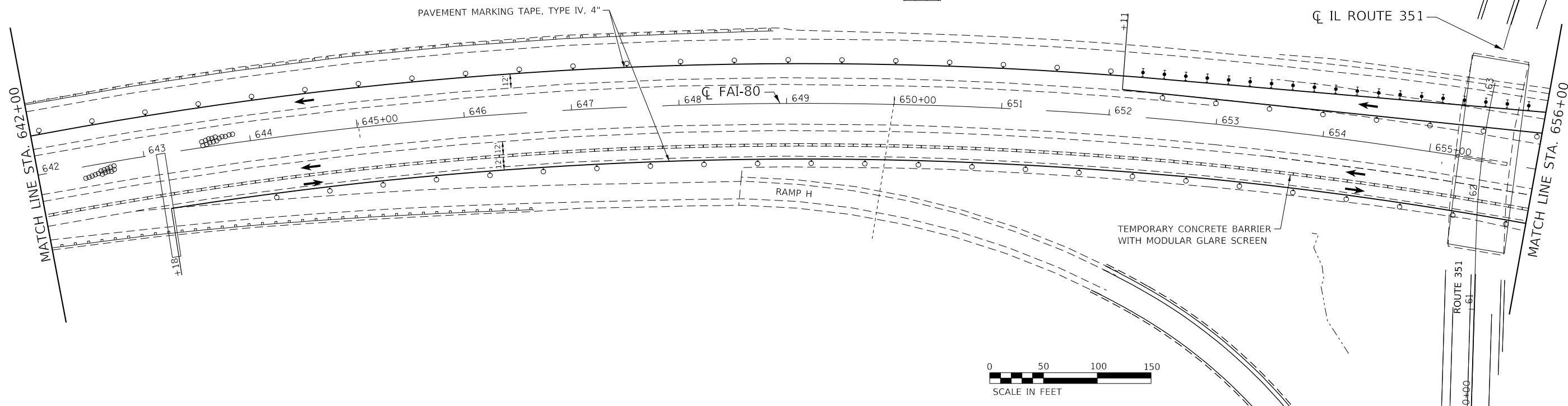
**TRAFFIC CONTROL STAGE 1B**

SCALE: SHEET 2 OF 3 SHEETS STA. 614+00.00 TO STA. 642+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	46
CONTRACT NO. 66H21				
		ILLINOIS	FED. AID PROJECT	

**LEGEND**

-  TEMPORARY INFORMATION SIGN
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  TYPE III BARRICADES
-  ARROW BOARD
-  IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
-  DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
-  DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
-  WORK AREA



MODEL: Default  
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 USER: smaxwell  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 10/3/2019



USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISOR -	
CHECKED - MCV	REVISOR -	
DATE - 10/4/2019	REVISOR -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TRAFFIC CONTROL STAGE 1B</b>		
SCALE:	SHEET 3 OF 3 SHEETS	STA. 642+00.00 TO STA. 670+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	47
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

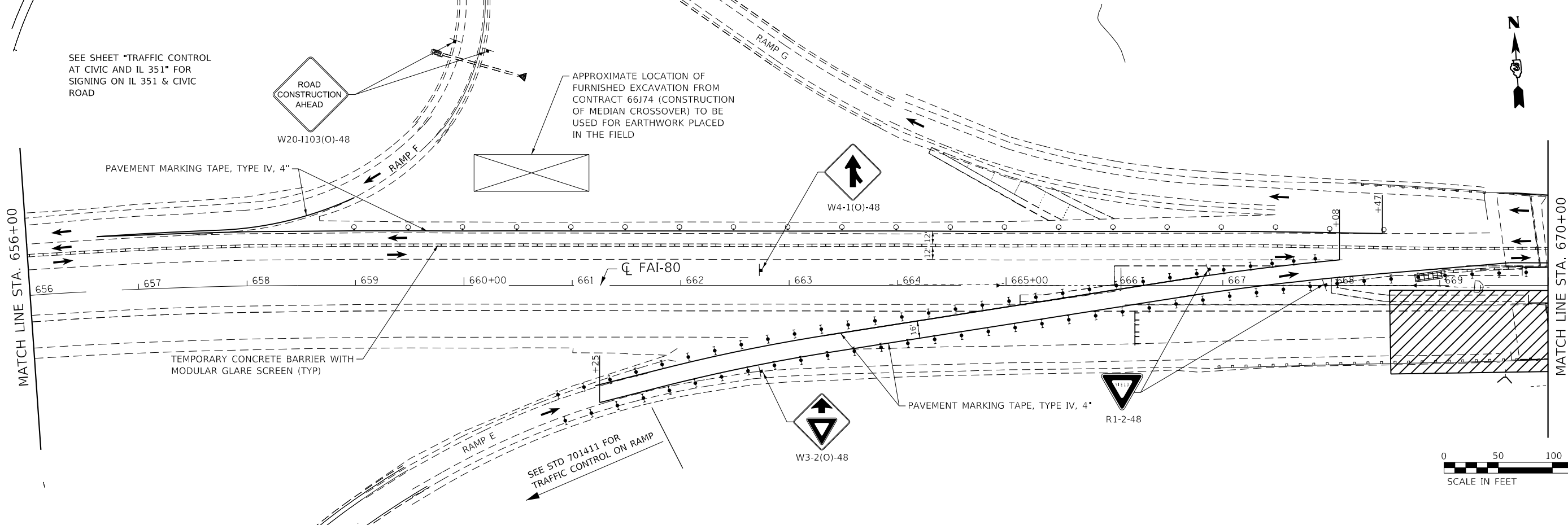
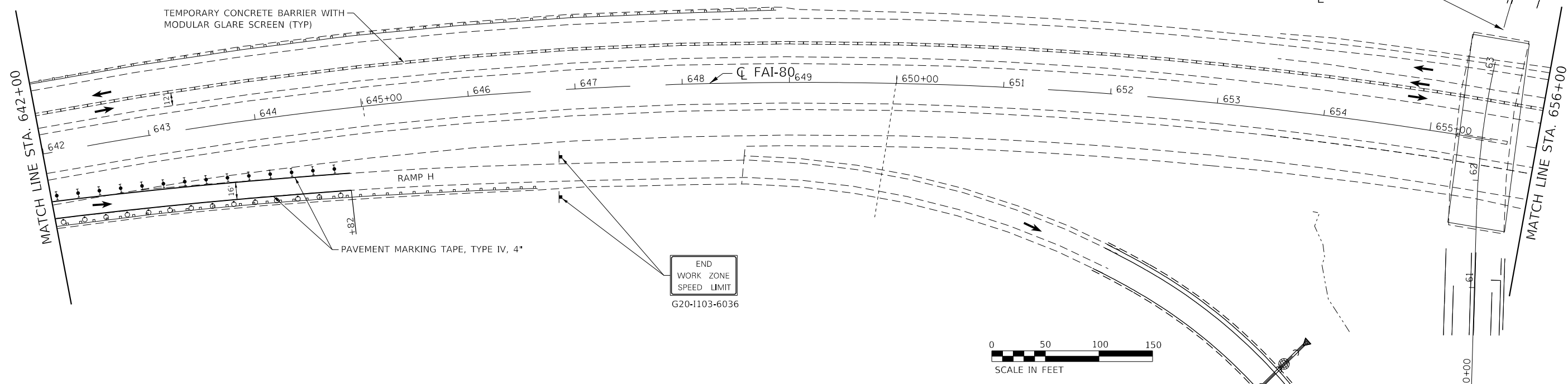






**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA



MODEL: Default  
 FILE NAME: S:\2019\181181018\_Various Structure IDOT D3\_Fansworth\_PTB\_1612\Work Order 14 - 1409\_Roadway and other\CADD\CADD\_Sheets\DOT 262A.dgn



USER NAME = smaxwell	DESIGNED - MO	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

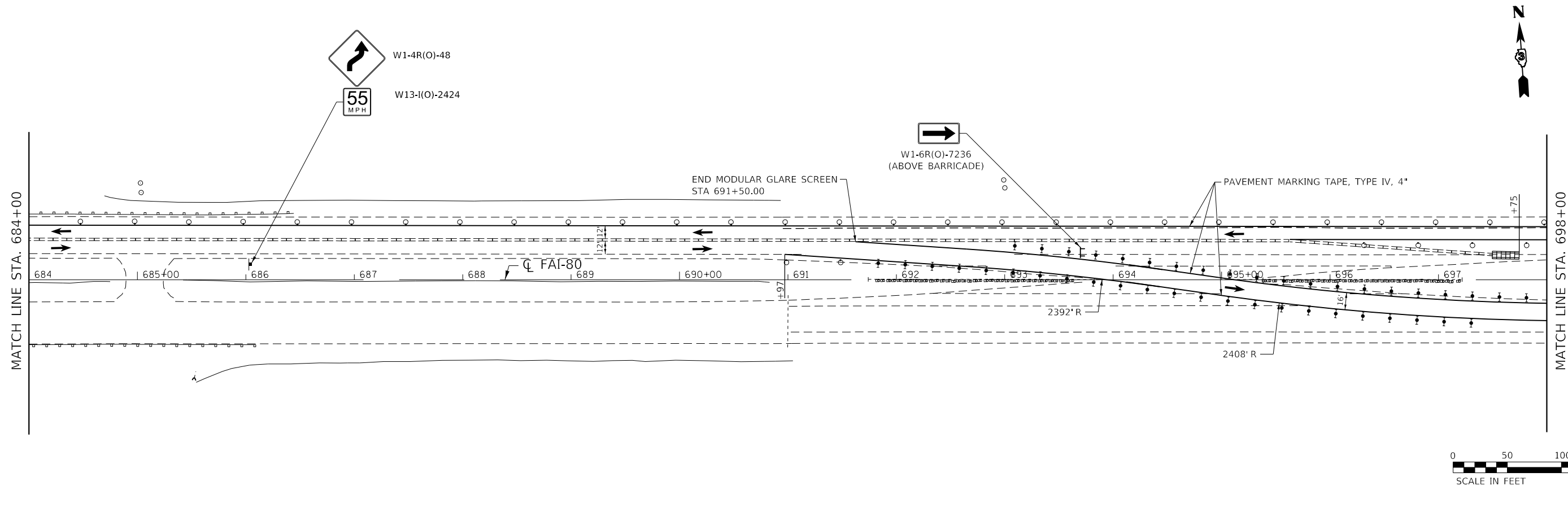
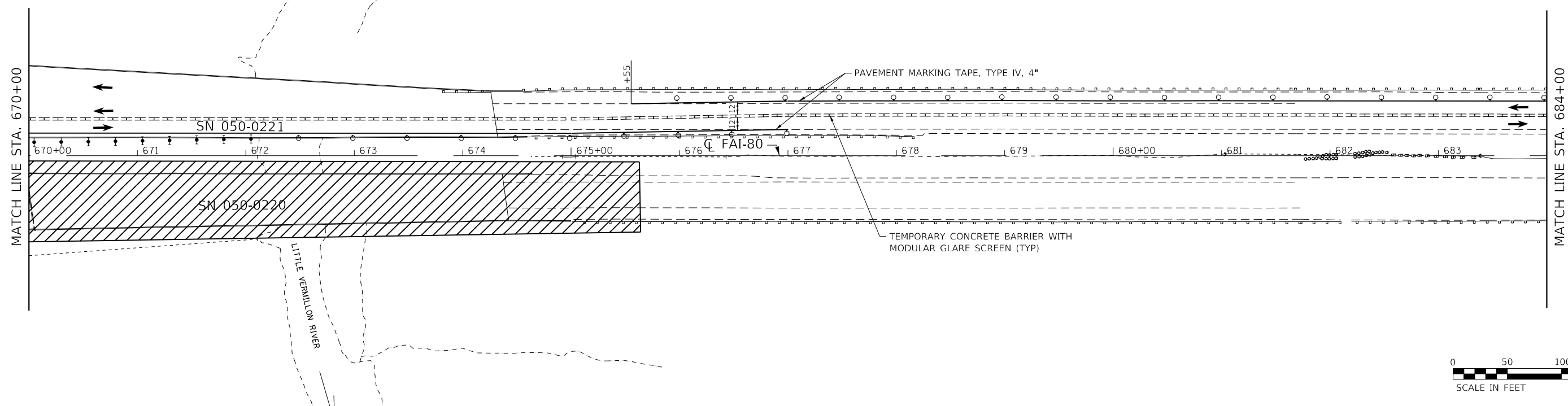
**TRAFFIC CONTROL STAGE 2A**

SCALE: SHEET 4 OF 6 SHEETS STA. 642+00.00 TO STA. 670+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	51
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  TEMPORARY INFORMATION SIGN
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  TYPE III BARRICADES
-  ARROW BOARD
-  IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
-  DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
-  DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
-  WORK AREA



MODEL: Default  
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 MODEL: Default  
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USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 2A**

SCALE: SHEET 5 OF 6 SHEETS STA. 670+00.00 TO STA. 698+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	52
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

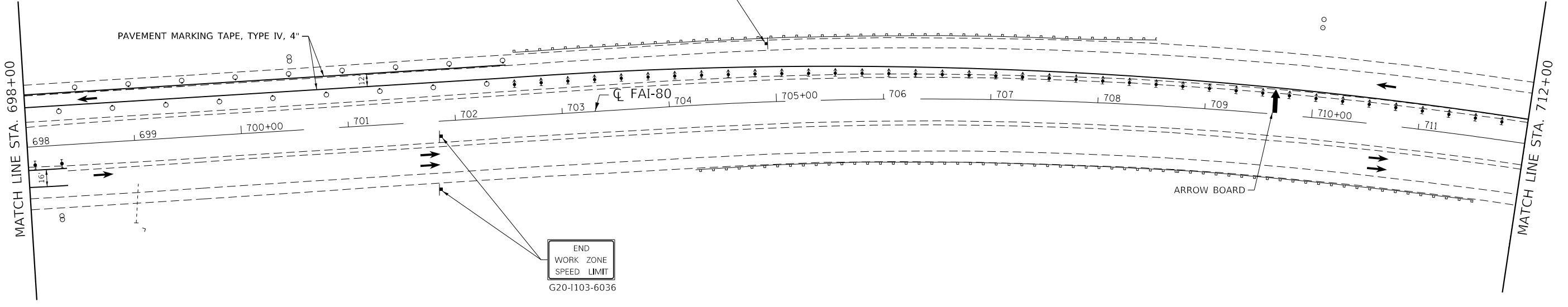


W2-III5(O)-3618  
 R2-1-3648  
 R10-1108p-3618  
 R2-1106p-3618

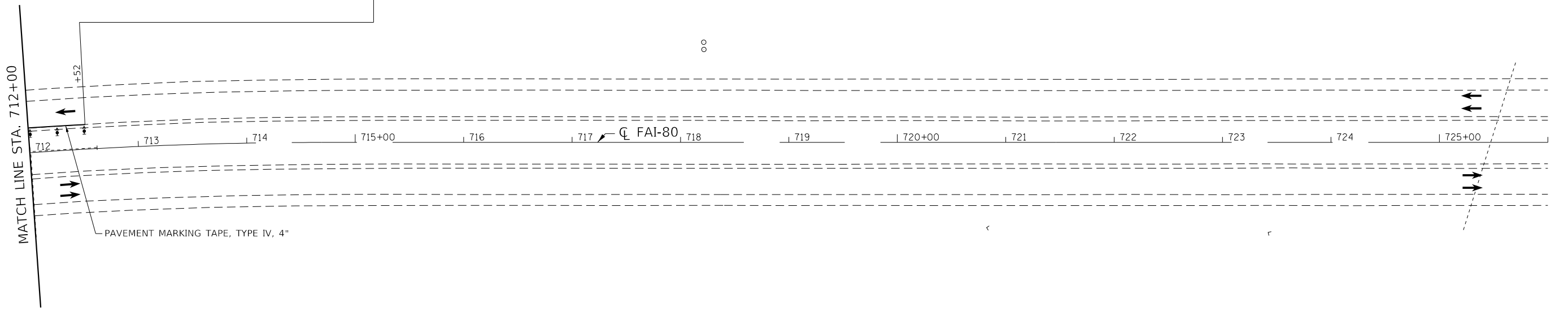


**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA



USE STANDARD 701400 SPECIAL ( APPROACH TO  
 LANE CLOSURE FREEWAY/EXPRESSWAY)  
 FOR PLACEMENT OF TRAFFIC CONTROL SIGNS



MODEL: Default  
 FILE NAME: S:\2018\1811018\_Various Structure IDOT D3 Farmsworth PTB 1612\Work Order 14 - L80 Roadway and other\CADD\CADD\_Sheets\1811018-MOT 262A.dgn



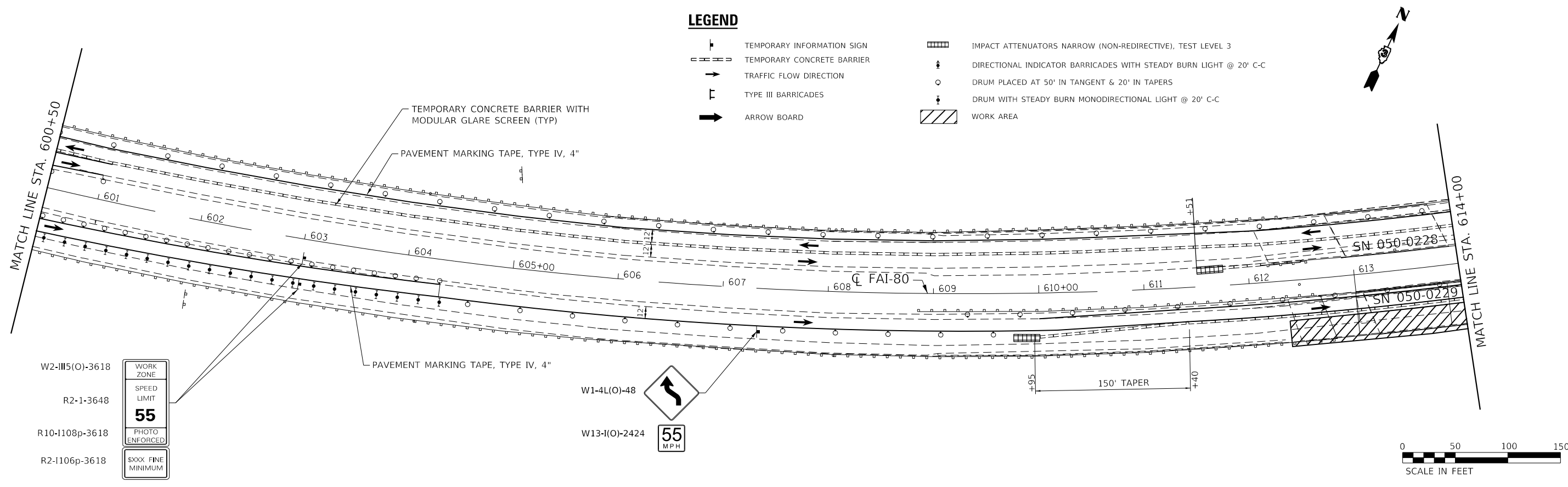
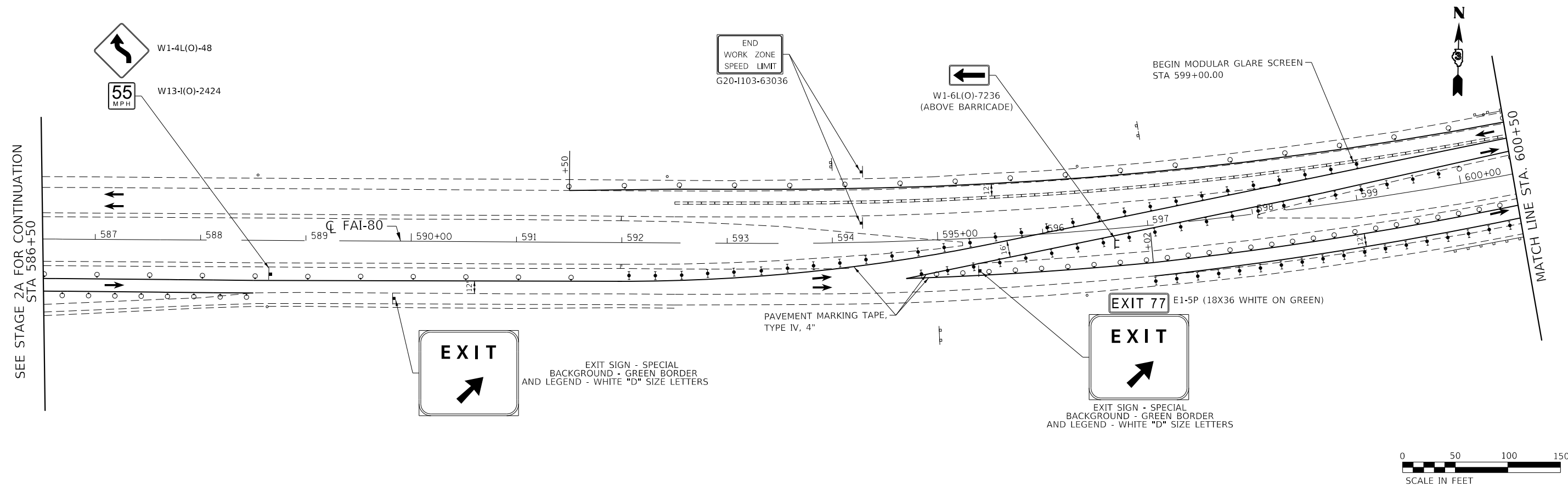
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PLOT SCALE = 100,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL STAGE 2A**

SCALE: SHEET 6 OF 6 SHEETS STA. 698+00.00 TO STA. 726+00.00

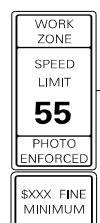
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	53
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY INFORMATION SIGN
- TEMPORARY CONCRETE BARRIER
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- ARROW BOARD
- IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
- DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
- DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
- WORK AREA

- W2-III5(O)-3618
- R2-1-3648
- R10-I108p-3618
- R2-I106p-3618



MODEL: Default; FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT 03 Farnsworth PTB 16121\Work Order 14 - L&B Roadway and other\CADD\CADD\_Sheets\181181\_018\_MDT\_2B.dwg



USER NAME = smaxwell	DESIGNED - MO	REVISED -
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	DATE - 10/4/2019	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

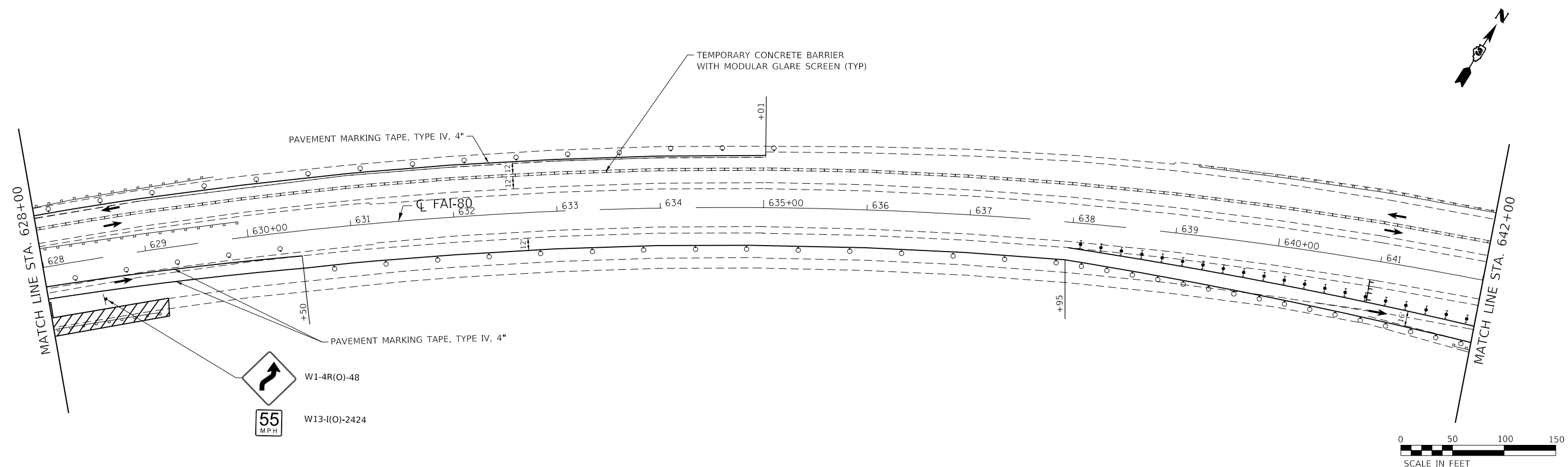
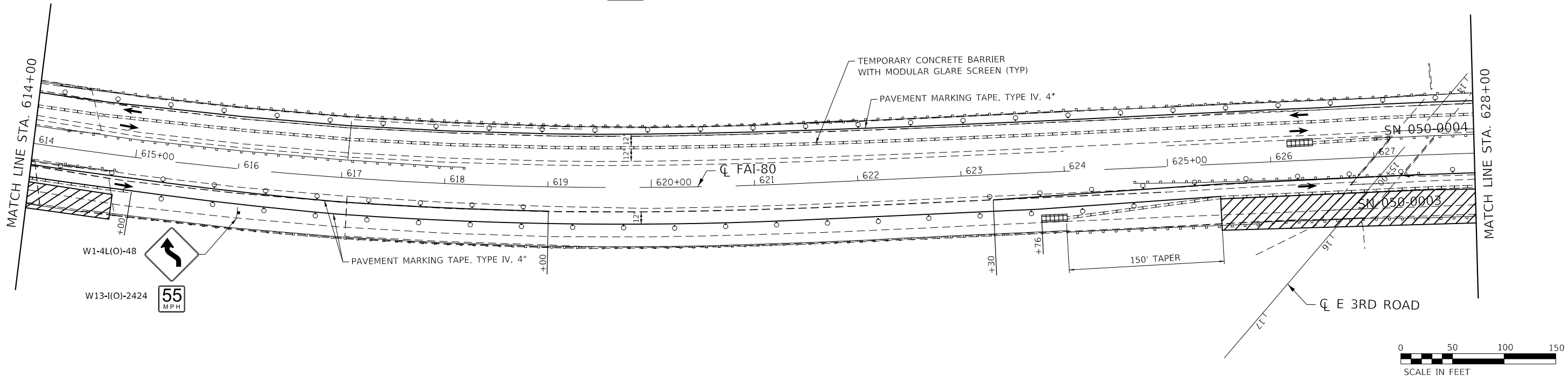
**TRAFFIC CONTROL STAGE 2B**

SCALE: SHEET 1 OF 3 SHEETS STA. 586+50.00 TO STA. 614+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	54
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  TEMPORARY INFORMATION SIGN
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  TYPE III BARRICADES
-  ARROW BOARD
-  IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
-  DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
-  DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
-  WORK AREA



MODEL: Default  
FILE NAME: S:\2019\181181018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - L80 Roadway and other\CADD\CADD\_Sheets\181181018-MDT-2B.dgn



USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

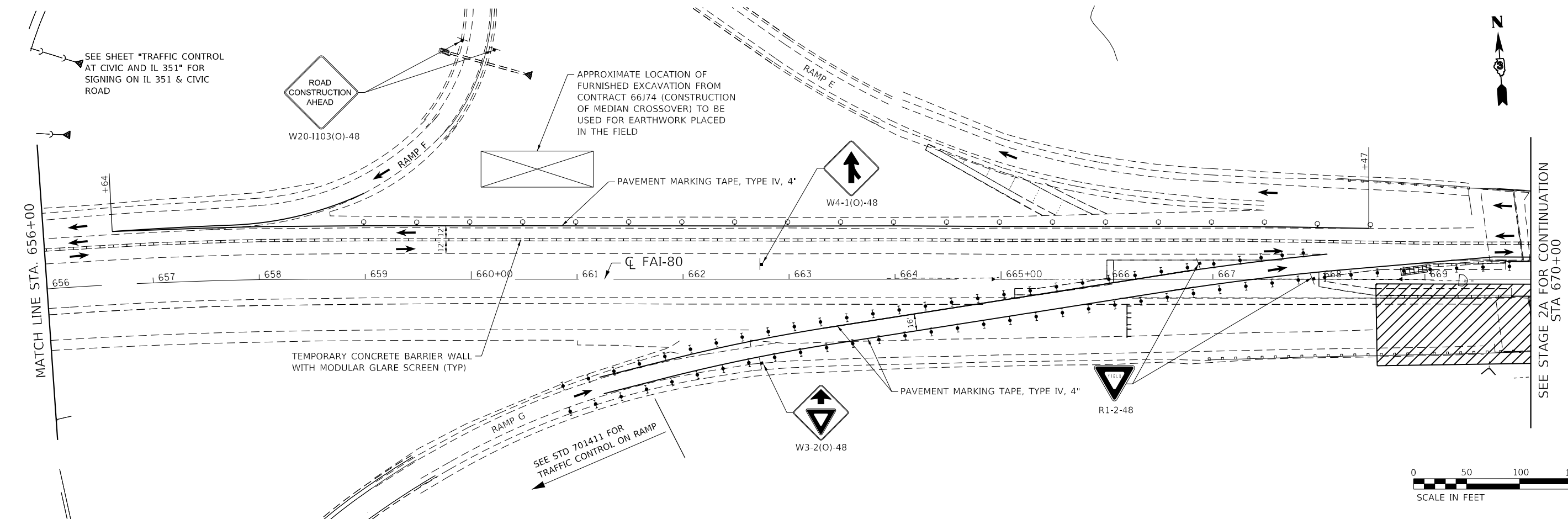
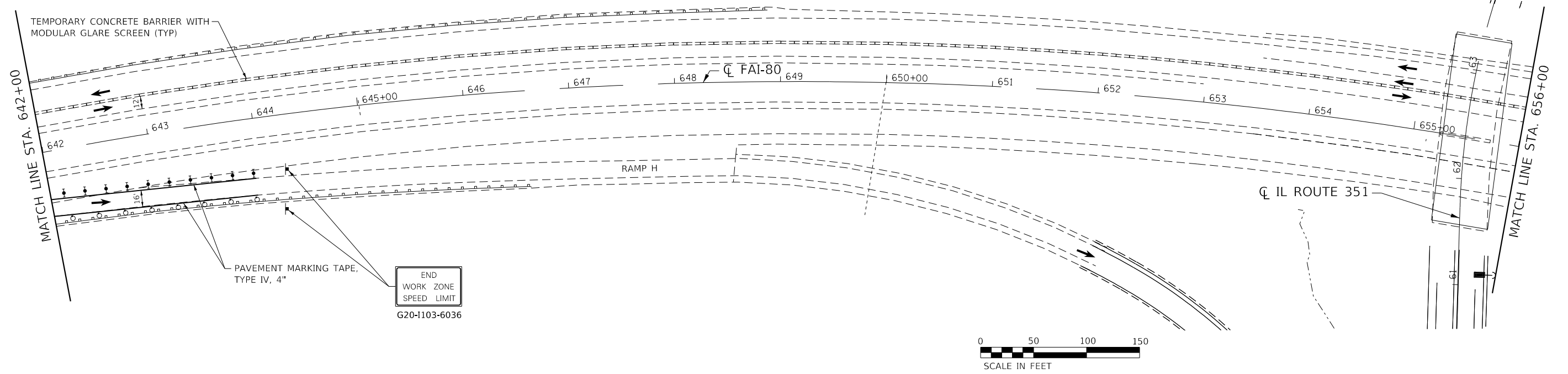
**TRAFFIC CONTROL STAGE 2B**

SCALE: SHEET 2 OF 3 SHEETS STA. 614+00.00 TO STA. 642+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	55
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  TEMPORARY INFORMATION SIGN
-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  TYPE III BARRICADES
-  ARROW BOARD
-  IMPACT ATTENUATORS NARROW (NON-REDIRECTIVE), TEST LEVEL 3
-  DIRECTIONAL INDICATOR BARRICADES WITH STEADY BURN LIGHT @ 20' C-C
-  DRUM PLACED AT 50' IN TANGENT & 20' IN TAPERS
-  DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 20' C-C
-  WORK AREA



MODEL: Default  
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USER NAME = smaxwell	DESIGNED - MO	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

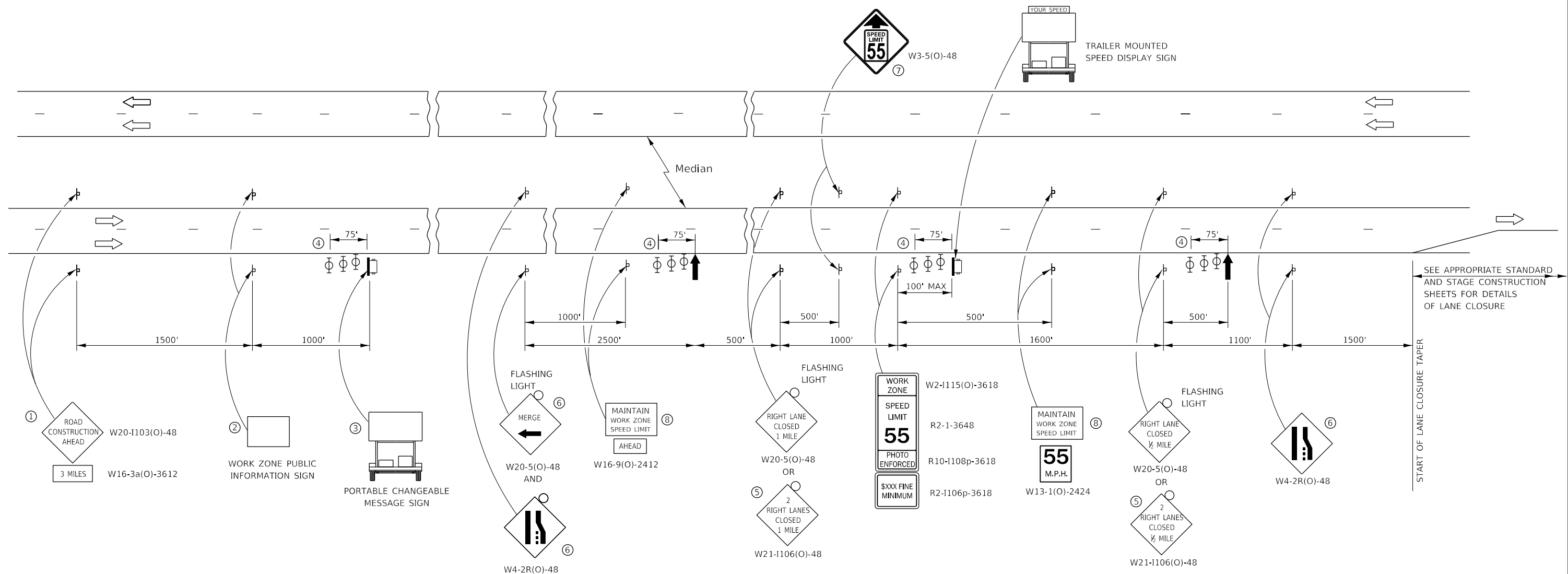
**TRAFFIC CONTROL STAGE 2B**

SCALE: SHEET 3 OF 3 SHEETS STA. 642+00.00 TO STA. 670+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	56
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

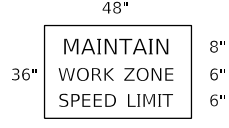


MODEL: Default  
FILE NAME: S:\2019\181181\181181\_180\_Roadway and other\CADD\CADD\_Sheets\181181\_180\_Special.dgn



- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:  
"RIGHT LANE CLOSED" / " x MILES AHEAD"  
"LEFT LANE CLOSED" / " x MILES AHEAD"  
"ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

**GENERAL NOTE:**

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

USER NAME = smaxwell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

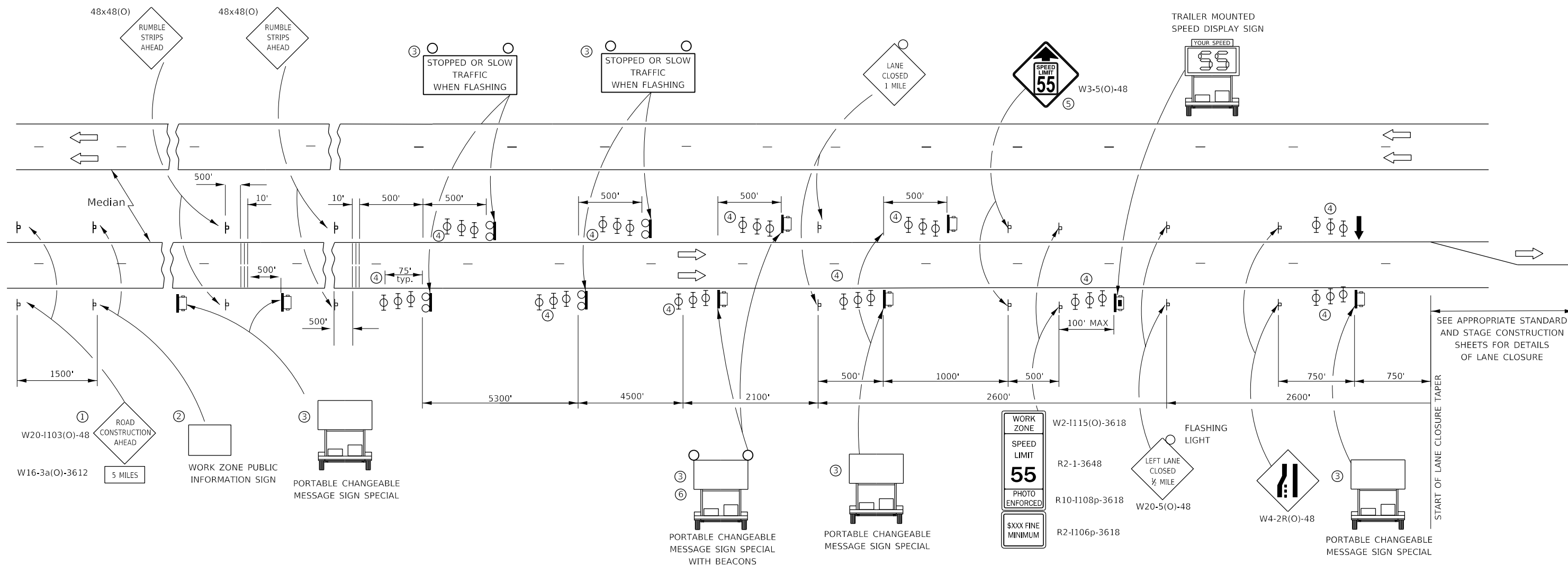
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STANDARD 701400 (SPECIAL)  
DETAIL**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	58
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

MODEL: Default  
FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT 03\_Fansworth: PTB 161211Work Order 14 - 180\_Roadway and other\CADD\CADD\_Sheets\161211Work\_order\_14\_smart\_traffic\_monitoring\_system.dgn



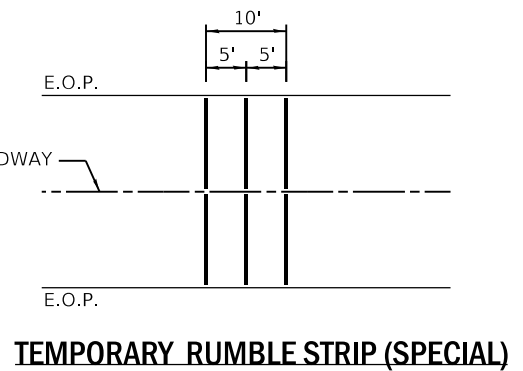
SEE APPROPRIATE STANDARD AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

**NOTES:**

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 5 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ UNIT TO BE PAID FOR SEPARATELY. TO BE PLACED OUTSIDE OF EXISTING PAVED SHOULDER. ANY REQUIRED EARTHWORK INCLUDED IN THE COST OF THE UNIT.
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ⑤ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.
- ⑥ WHEN SHOWN, PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL SHALL HAVE EQUIVALENT FLASHING BEACONS AS REAL TIME TRAFFIC CONTROL SIGNING. COST INCLUDED IN PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL.

**LEGEND:**

- ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL (PCMS)
- SIGN
- REAL-TIME TRAFFIC CONTROL SIGNING
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT.
- TEMPORARY RUMBLE STRIPS (SPECIAL). SEE DETAIL & SPECIAL PROVISION
- SPEED DISPLAY TRAILER



**GENERAL NOTE:**

THIS STANDARD IS USED WHERE A LANE CLOSURE IS IN PLACE LONGER THAN ONE CONSECUTIVE WEEK OR INCLUDING A WEEKEND OR HOLIDAY AS DESCRIBED IN KEEPING ROADS OPEN TO TRAFFIC.

THE FIRST TWO SIGNS ARE STATIONARY. THE OTHER SIGNS, ARROWBOARDS AND MESSAGE BOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS FOR SMART TRAFFIC MONITORING SYSTEM, PORTABLE CHANGEABLE MESSAGE SIGN SPECIAL AND CONTROL OF WORK.

THIS DETAIL APPLIES TO BOTH EB AND WB APPROACHES TO THE WORK ZONE (WEST OF SN 050-0228/0229 AND EAST OF SN 050-0220/0221).

WHEN THE RIGHT LANE IS CLOSED, RIGHT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR LEFT LANE CLOSED SIGNS.

WHEN EXISTING SIGNS, POLES, AND OTHER ITEMS CONFLICT WITH LOCATING THE EQUIPMENT SHOWN, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DECONFLICT EQUIPMENT PLACEMENT.



USER NAME = smaxwell	DESIGNED - MO	REVISED -
DRAWN - TOM	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



<b>TC&amp;P STANDARD 701400 (SPECIAL) AND SMART ZONE</b>	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	59
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

















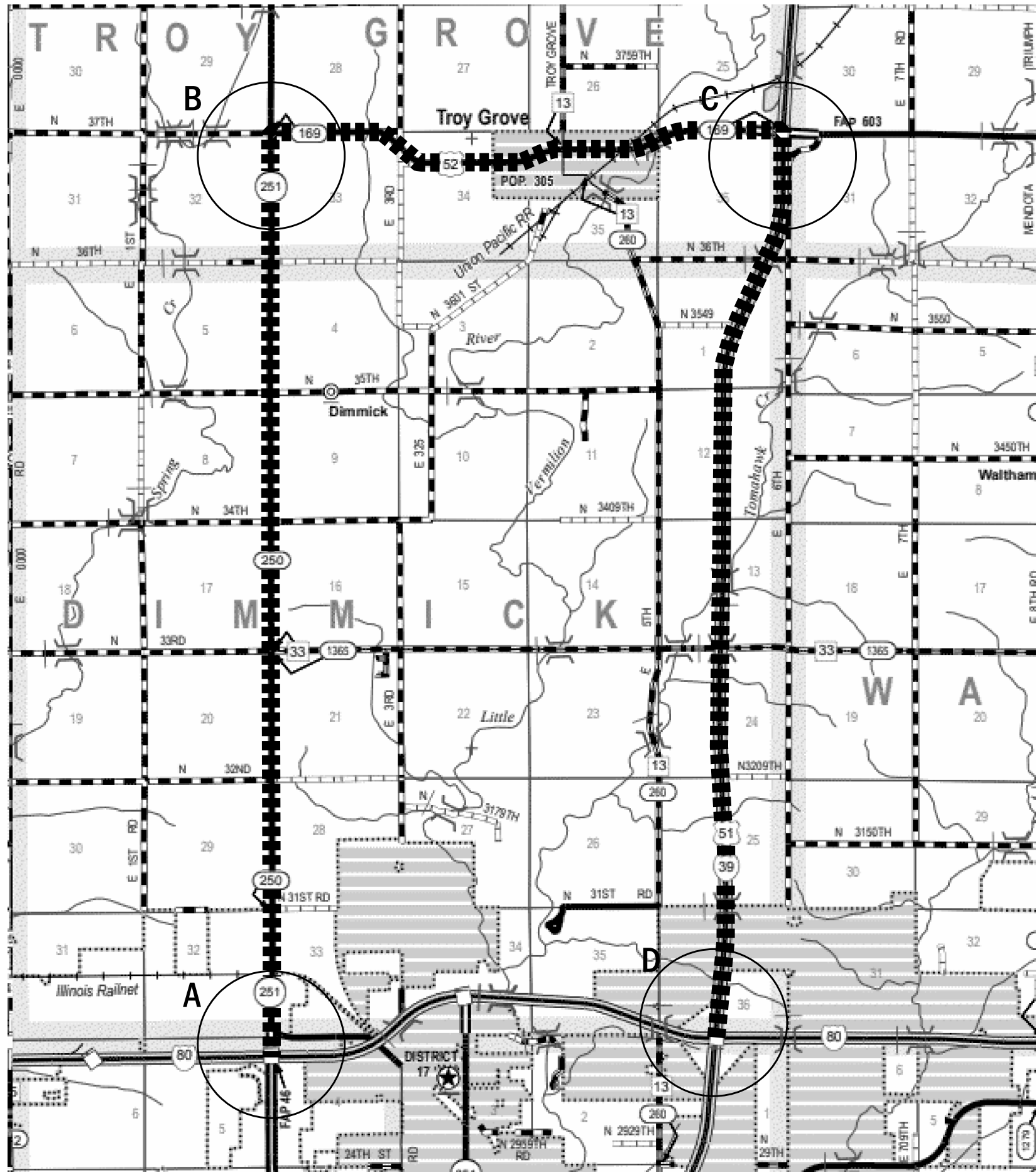
**LEGEND**

-  SIGNS ON PERMANENT SUPPORTS
-  ALTERNATE ROUTE

**NOTES**

- 1 ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, AND MAINTAINED BY THE CONTRACTOR.
- 2 ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED.
- 3 TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
- 4 ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
- 5 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
- 6 ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE 2 LOW INTENSITY FLASHING LIGHTS MOUNTED ON TOP OF EACH BARRICADE.
- 7 EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
- 8 COVER CONFLICTING SIGNS. EXISTING DIRECTIONAL ARROWS MUST BE COVERED. DO NOT DRILL HOLES OR PLACE TAPE ON EXISTING SIGN FACE.
- 9 DETOUR DIRECTIONAL ARROW SIGNS SHALL BE BLACK ON FLUORESCENT ORANGE SHEETING.
- 10 CONFIRMATION ROUTE DETOUR SIGNS SHALL BE ERECTED ADJACENT TO EXISTING ROUTE MARKERS.

						
M1-1.2-2424	M3-3-2412	M3-4-2412	M4-8(O)-2412	M6-1(O)-2115	M6-1(O)-2115	M5-2(O)-2115
(A)	(B)	(C)	(D)	(E)	(F)	(G)
						
M5-1(O)-2115	M5-1(O)-2115	M6-3(O)-2115	M6-2(O)-2115	M6-2(O)-2115		
(H)	(I)	(J)	(K)	(L)		



MODEL: Default; FILE NAME: S:\2018\181181018\_Various Structure IDOT D3 Farnsworth PTB 161211\Work Order 14 - 140 Roadway and other\CADD\CADD Sheets\ID66121-Sub-AltRoute-1.dgn



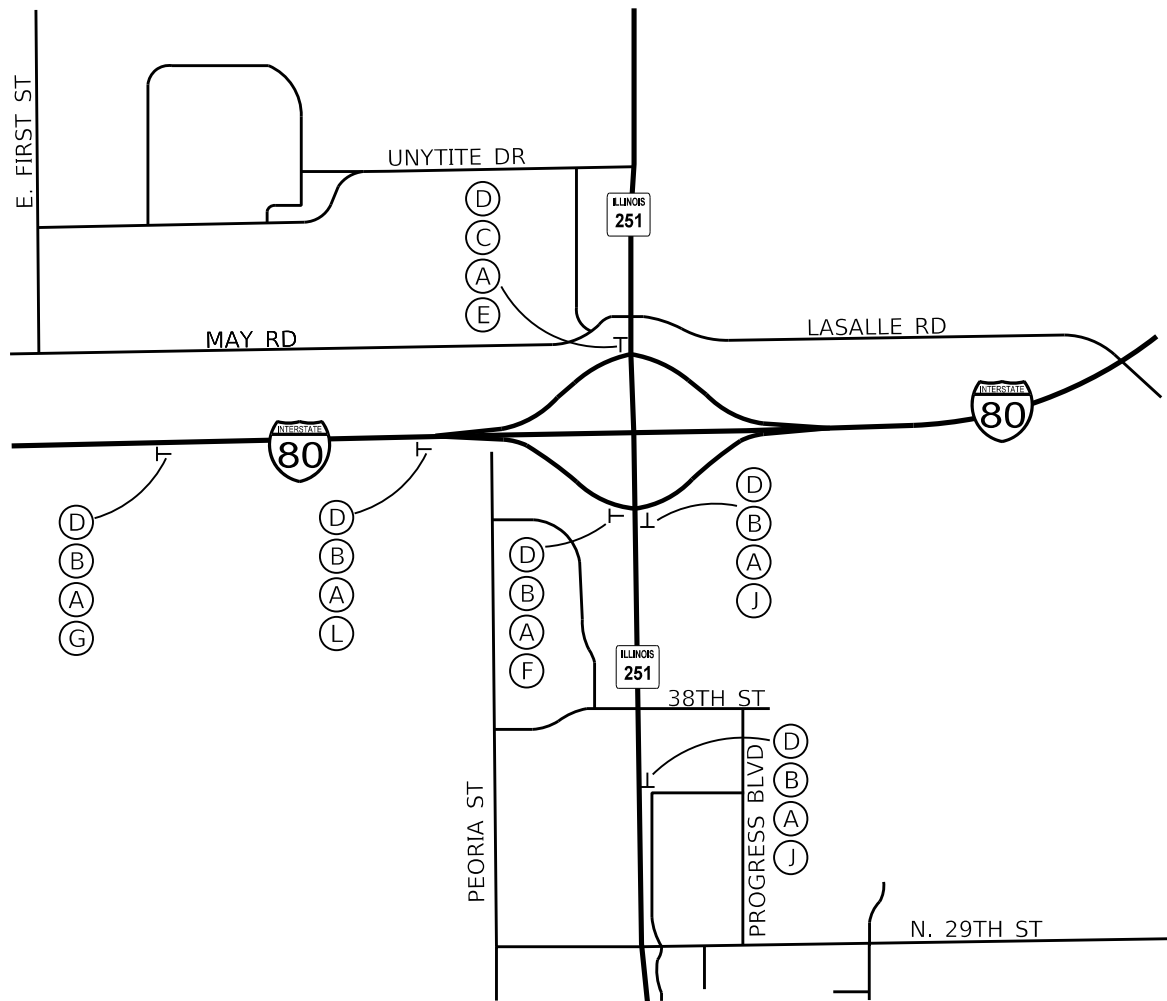
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PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALTERNATE ROUTE**

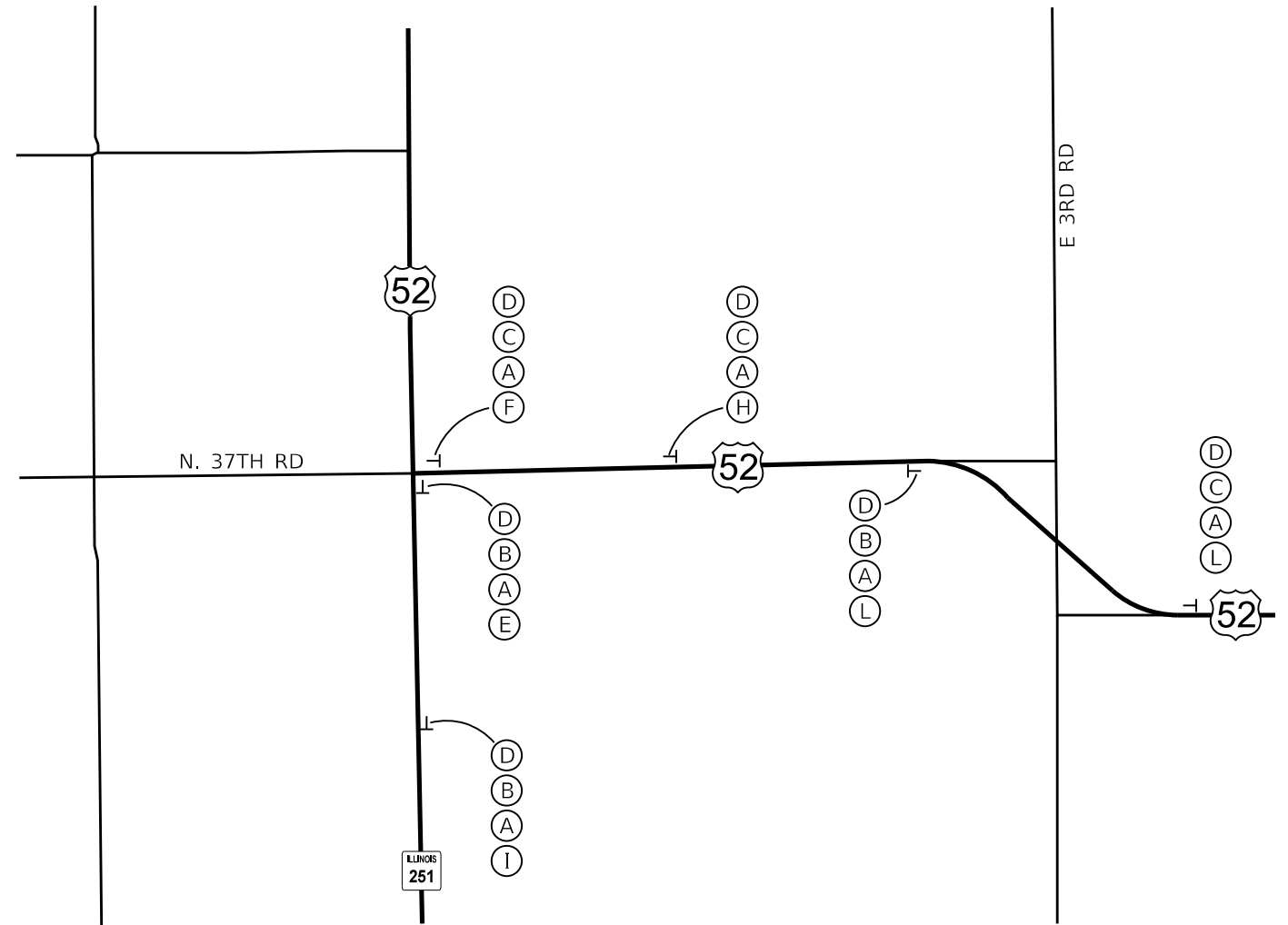
SCALE: 1"=50'      SHEET 1      OF 3      SHEETS      STA.      TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	61
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



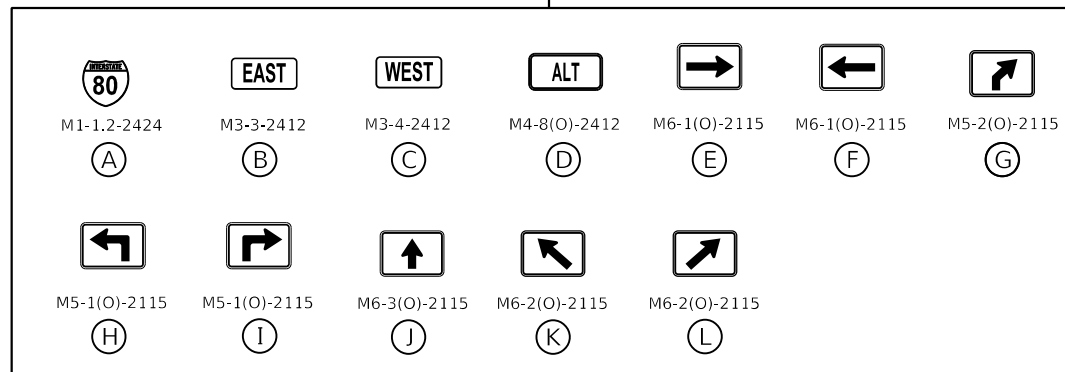
**DETAIL A**

INTERSECTION I-80 AND ILLINOIS ROUTE 251



**DETAIL B**

INTERSECTION ILLINOIS ROUTE 251 AND US-52



MODEL: D:\p1\1811018\_Various Structure IDOT D3 Farmsworth PTB 161211\Work Order 14 - 140 Roadway and other\CADD\CADD\_Sheets\ID66121-ah-AltRoute-2.dgn  
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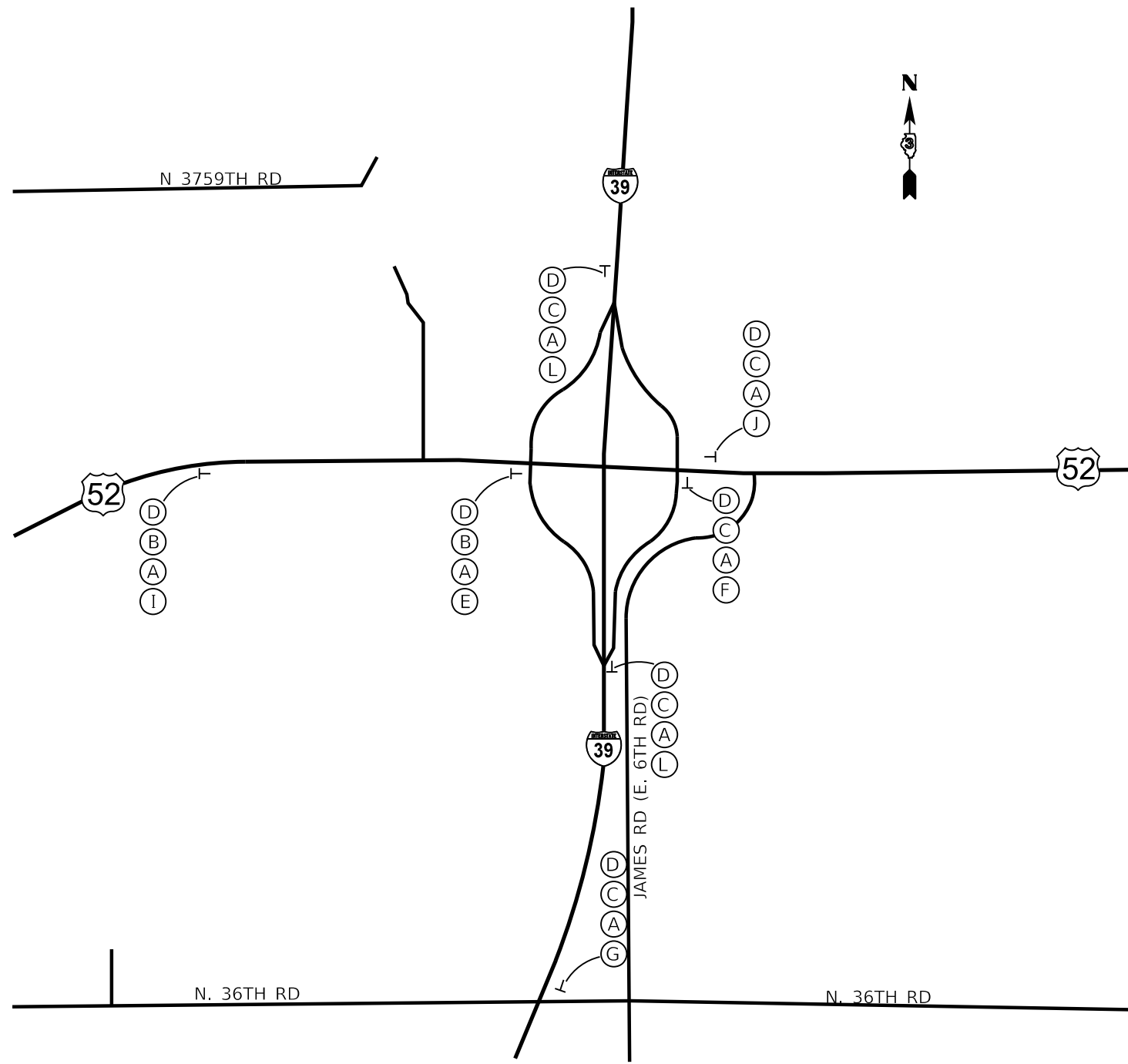
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PLOT DATE = 10/3/2019		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

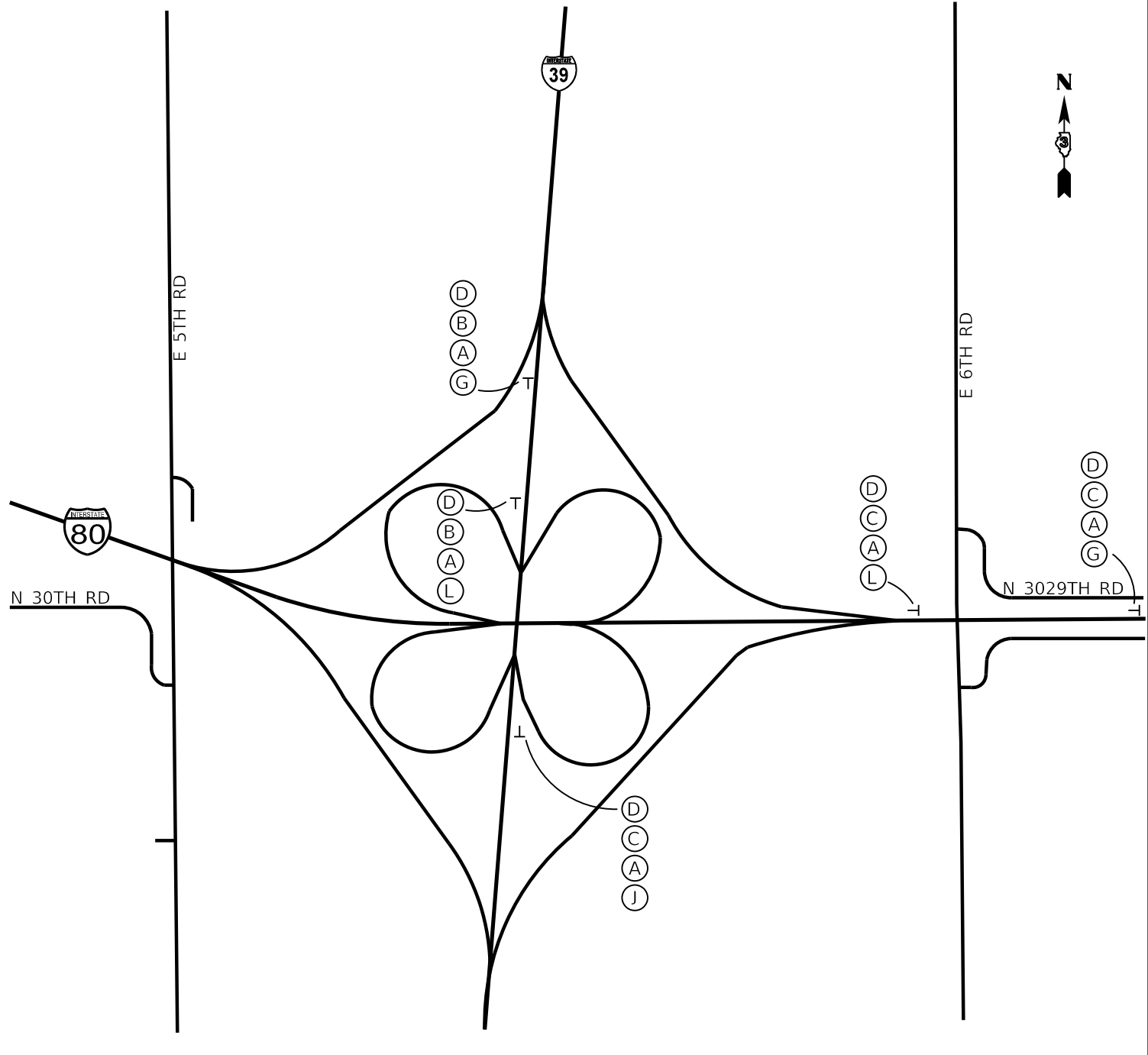
**ALTERNATE ROUTE**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. TO STA.

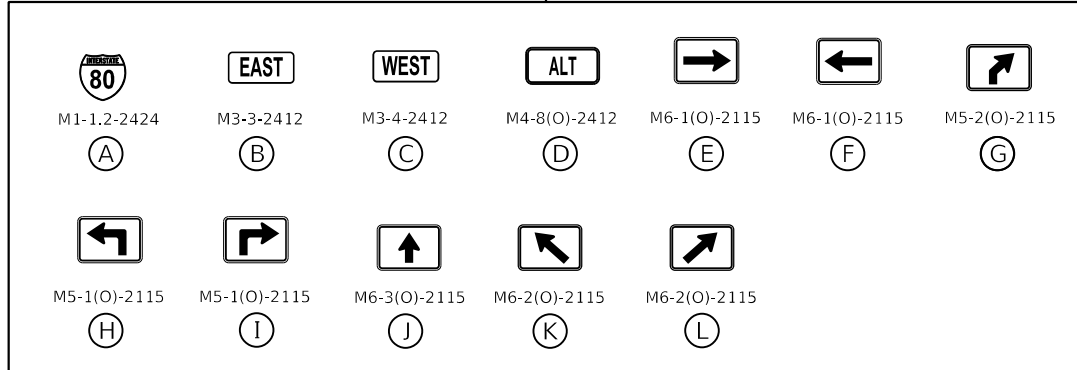
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	62
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**DETAIL C**  
INTERSECTION US-52 AND I-39



**DETAIL D**  
INTERSECTION I-39 AND I-80



MODEL: Default  
 FILE NAME: S:\2018\181181018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - 140 Roadway and other\CADD\CADD\_Sheets\I39\I39-AltRoute-3.dgn



USER NAME = smaxwell	DESIGNED - GSN	REVISED -
DRAWN - TSN	CHECKED - MCV	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALTERNATE ROUTE**

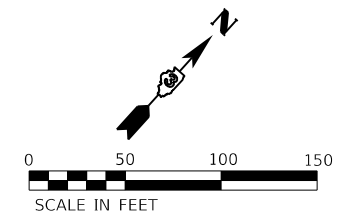
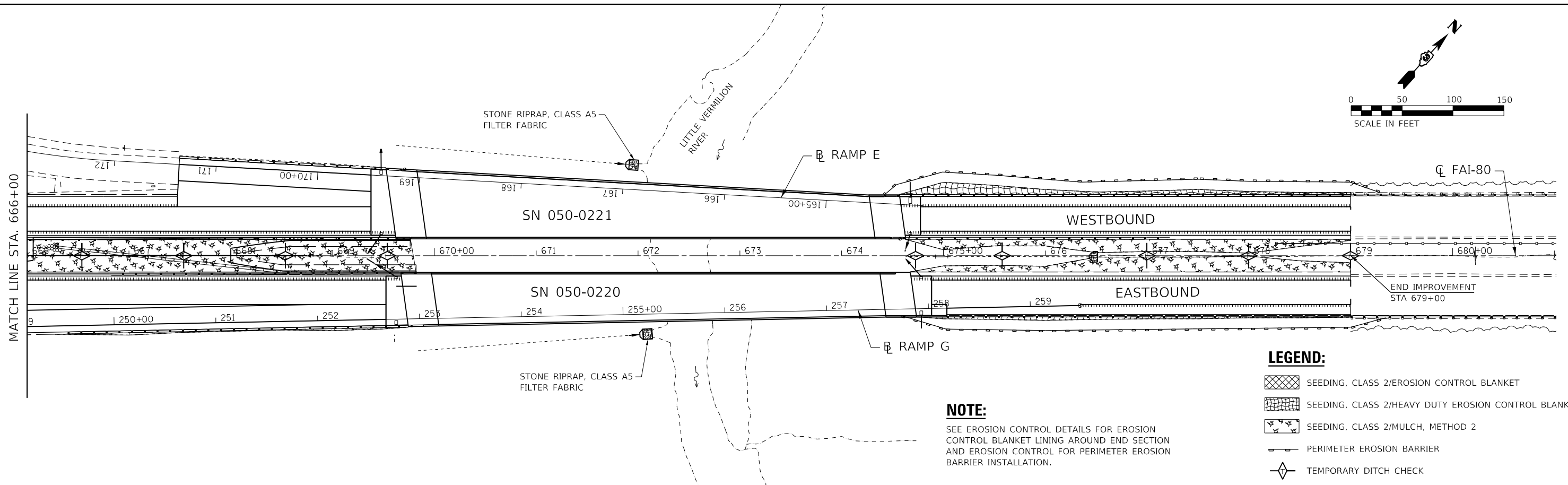
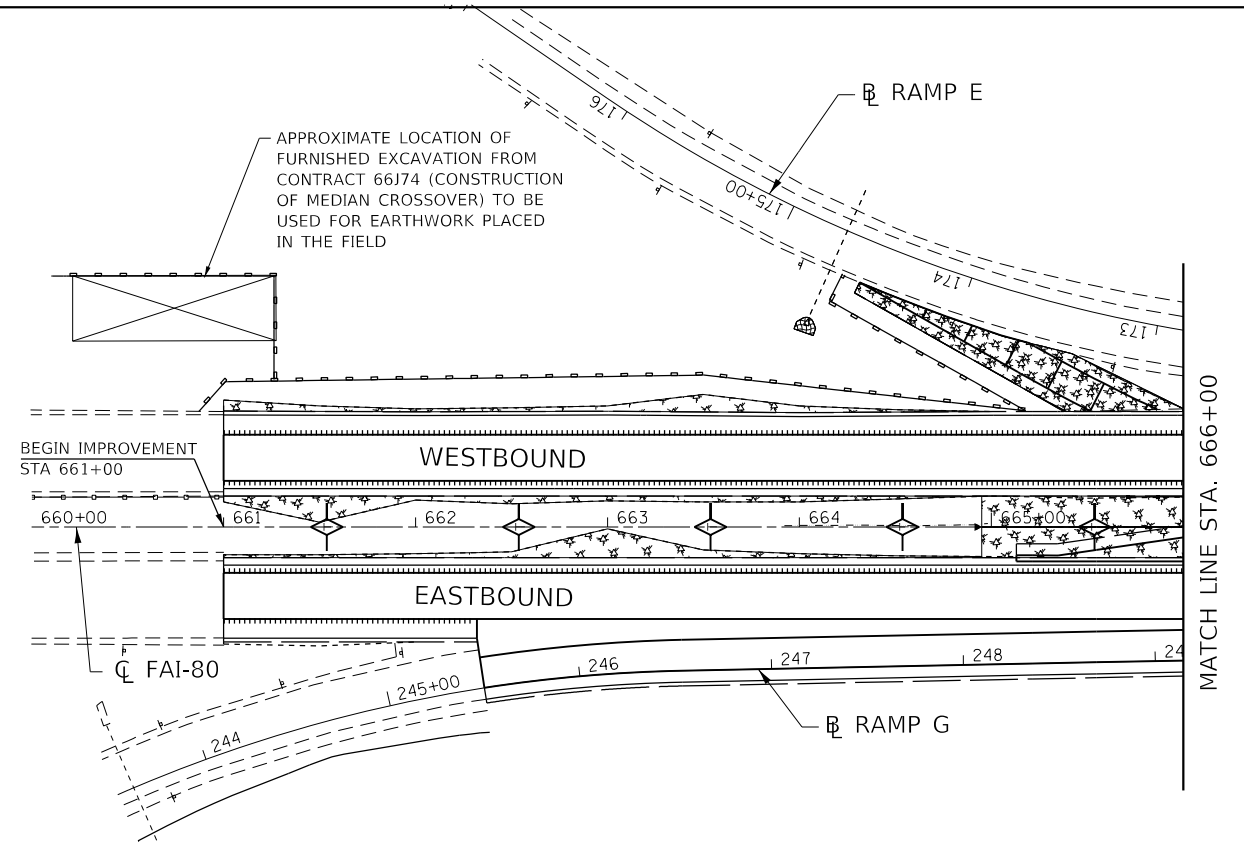
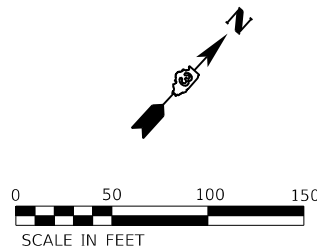
SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	63
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



### EROSION AND SEDIMENT CONTROL NOTES

1. THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION AND SEDIMENT DAMAGE TO WATERS OF THE U.S. AND SENSITIVE ENVIRONMENTAL RESOURCES AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER AFTER EACH MAJOR CONSTRUCTION PHASE.
2. THE CONTRACTOR SHALL CONSTRUCT PERMANENT EROSION CONTROL SYSTEMS AND SEEDING AS SOON AS POSSIBLE OR AS DIRECTED BY THE ENGINEER, TO REDUCE THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCE THE AMOUNT OF TEMPORARY EROSION CONTROL SYSTEMS AND TEMPORARY SEEDING NECESSARY. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL ITEMS SHOWN IN THE PLANS CAN BE DELETED, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL MEASURES SHALL BE REQUIRED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH IDOT STANDARD 280001.



#### NOTE:

SEE EROSION CONTROL DETAILS FOR EROSION CONTROL BLANKET LINING AROUND END SECTION AND EROSION CONTROL FOR PERIMETER EROSION BARRIER INSTALLATION.

#### LEGEND:

- SEEDING, CLASS 2/EROSION CONTROL BLANKET
- SEEDING, CLASS 2/HEAVY DUTY EROSION CONTROL BLANKET
- SEEDING, CLASS 2/MULCH, METHOD 2
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK

MODEL: Default  
FILE NAME: S:\2018\181181\181181\_181181\_Various Structure IDOT D3 Farmsworth RTB 16121\Work Order 14 - 1809 Roadway and other\CADD\CADD\_Sheets\0666121-eh-eros-02.dgn



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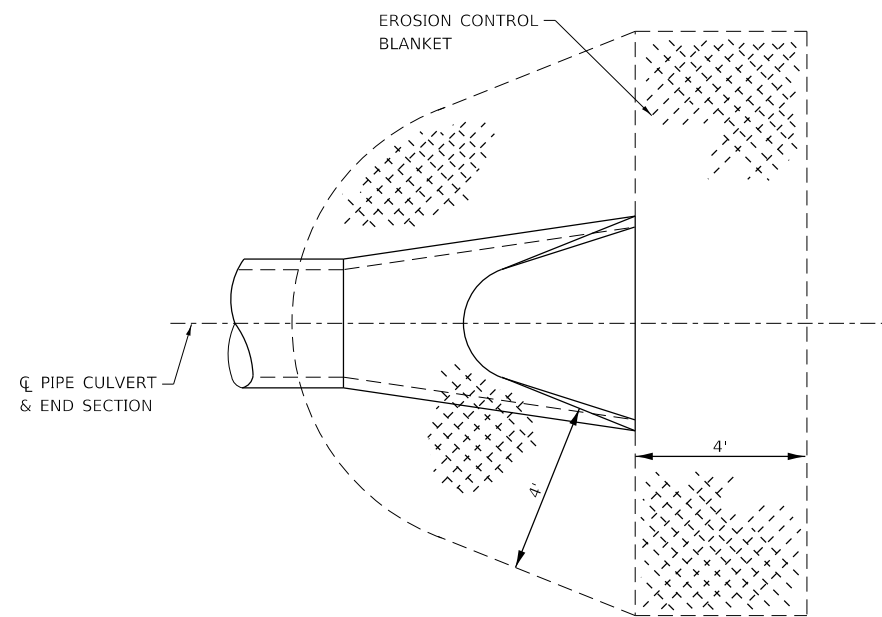
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

#### EROSION CONTROL PLAN

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 660+00.00 TO STA. 681+00.00

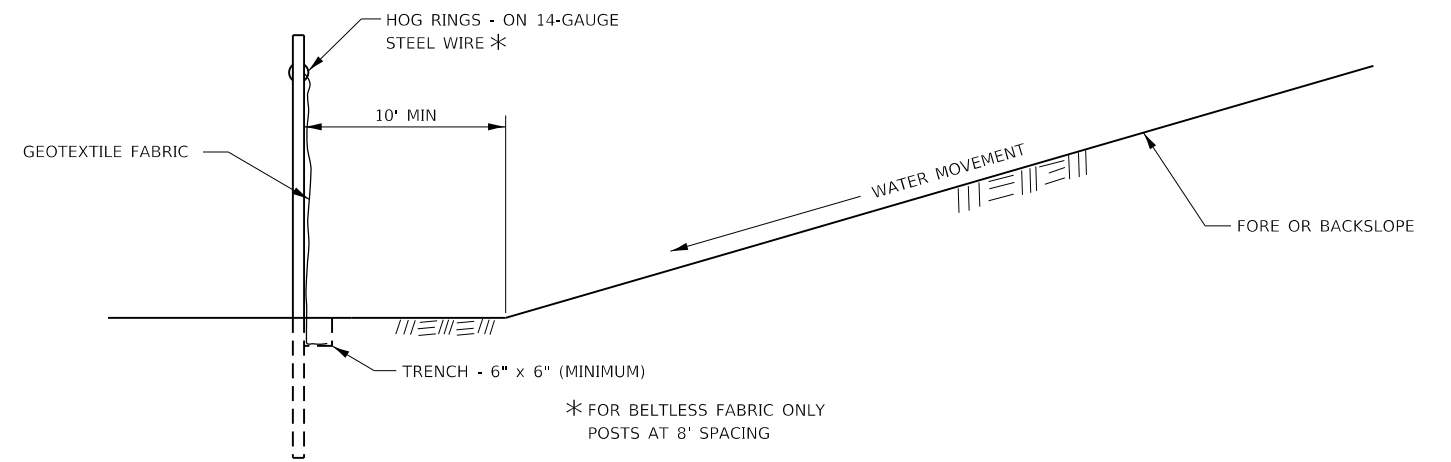
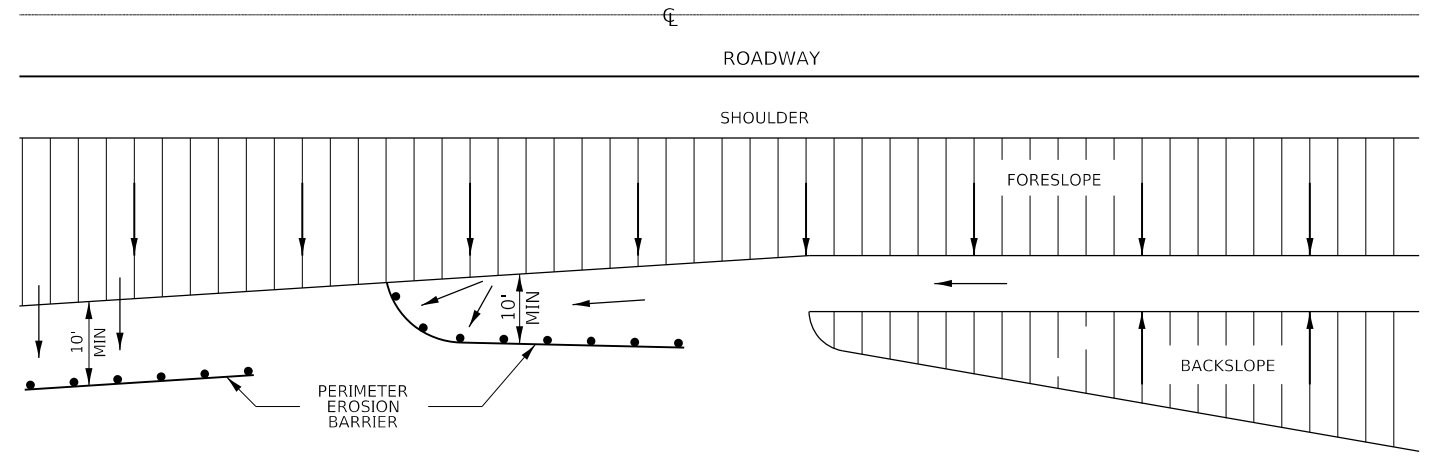
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	65
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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NOTE:  
 TO BE USED AT ALL END SECTIONS

**DETAIL OF EROSION CONTROL BLANKET  
 LINING AROUND END SECTION**



**DETAIL OF PERIMETER EROSION BARRIER**

**EROSION CONTROL DETAILS  
 FOR PERIMETER EROSION BARRIER**

USER NAME = smaxwell	DESIGNED - RG	REVISED -
DRAWN - RG	CHECKED - MCV	REVISED -
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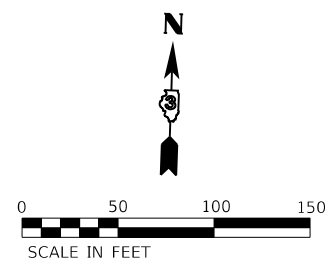
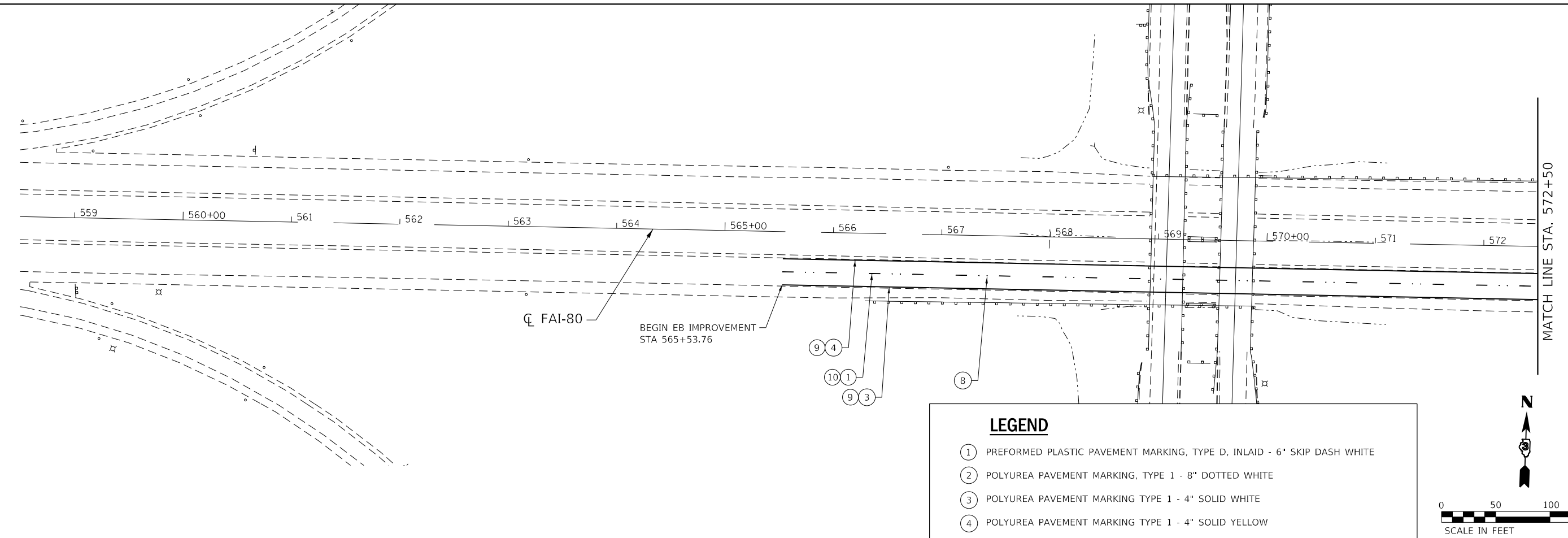
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS**

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

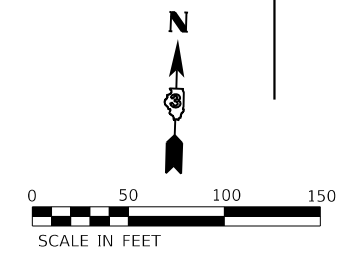
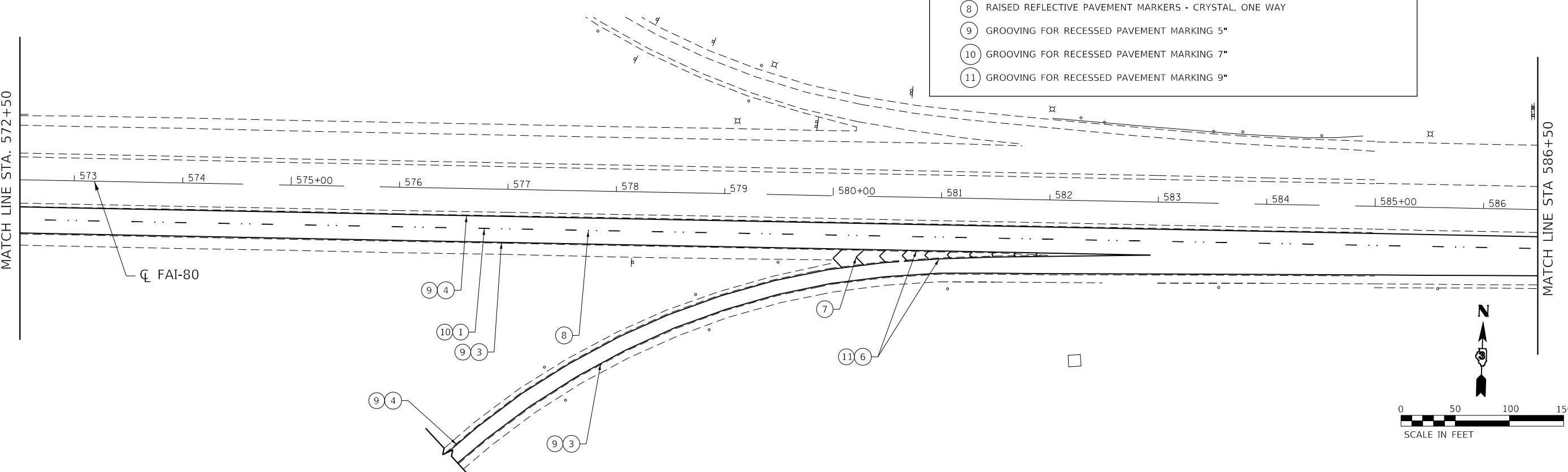
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	66
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

MODEL: Default  
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**LEGEND**

- ① PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - 6" SKIP DASH WHITE
- ② POLYUREA PAVEMENT MARKING, TYPE 1 - 8" DOTTED WHITE
- ③ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID WHITE
- ④ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID YELLOW
- ⑤ POLYUREA PAVEMENT MARKING TYPE 1 - 6" SKIP DASH WHITE
- ⑥ POLYUREA PAVEMENT MARKING TYPE 1 - 8" SOLID WHITE
- ⑦ POLYUREA PAVEMENT MARKING TYPE 1 - 12" SOLID WHITE
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE WAY
- ⑨ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 9"



USER NAME = smaxwell	DESIGNED - SDM	REVISED -
DRAWN - SDM	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

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**PAVEMENT MARKING PLAN**  
 SCALE: 1" = 50' SHEET 1 OF 6 SHEETS STA. 558+50.00 TO STA. 586+50.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	67
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 586+50

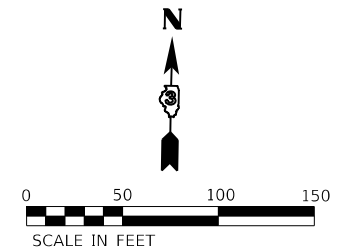
BEGIN WB IMPROVEMENT  
STA 589+90.56

CL FAI-80

MATCH LINE STA. 600+50

**LEGEND**

- ① PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - 6" SKIP DASH WHITE
- ② POLYUREA PAVEMENT MARKING, TYPE 1 - 8" DOTTED WHITE
- ③ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID WHITE
- ④ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID YELLOW
- ⑤ POLYUREA PAVEMENT MARKING TYPE 1 - 6" SKIP DASH WHITE
- ⑥ POLYUREA PAVEMENT MARKING TYPE 1 - 8" SOLID WHITE
- ⑦ POLYUREA PAVEMENT MARKING TYPE 1 - 12" SOLID WHITE
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE WAY
- ⑨ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 9"

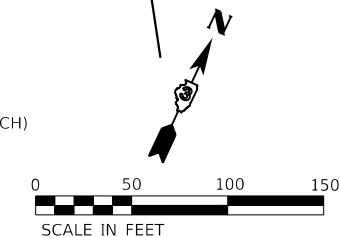


MATCH LINE STA. 600+50

CL FAI-80

MATCH LINE STA. 614+00

(TYP ON BRIDGE AND APPROACH)



MODEL: Default  
FILE NAME: S:\2019\11\18\1181018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - L&B Roadway and other\CADD\CADD\_Sheets\16121-L&B-RMK-20X.dgn



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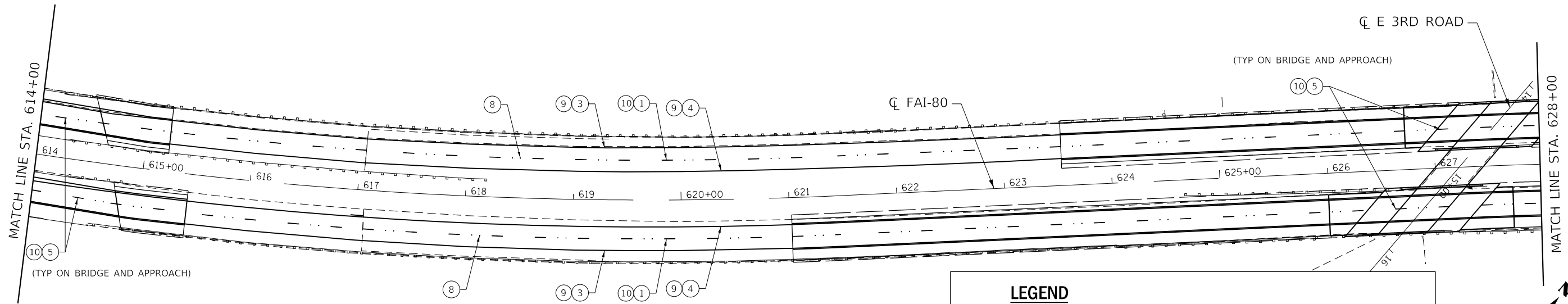
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 2 OF 6 SHEETS STA. 586+50.00 TO STA. 614+00.00

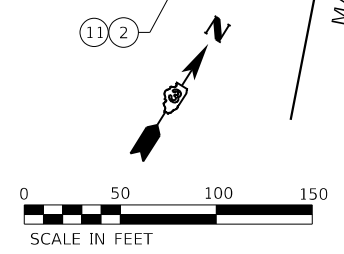
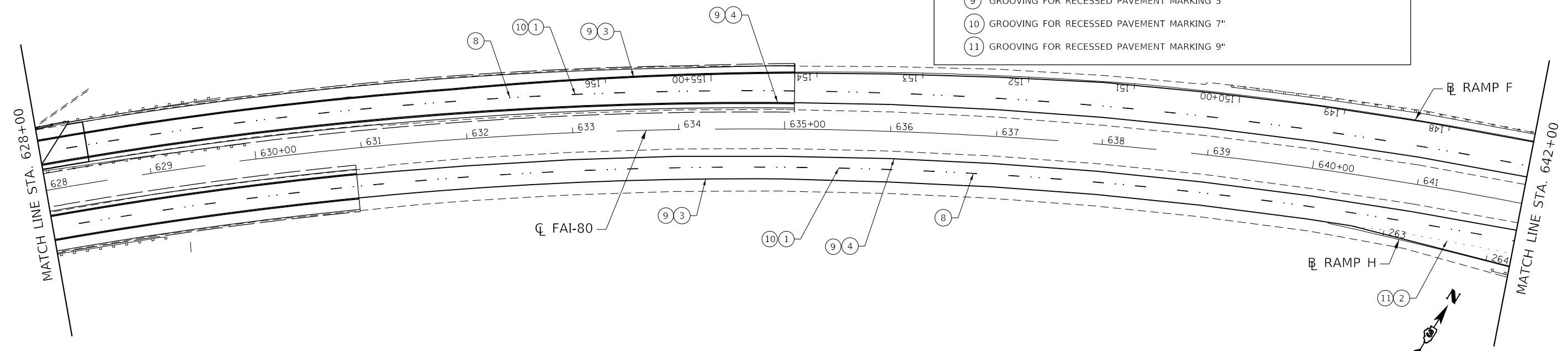
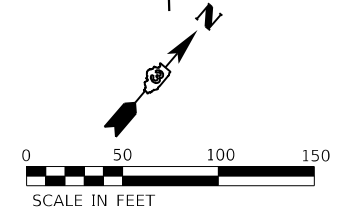
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	68
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				





**LEGEND**

- ① PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - 6" SKIP DASH WHITE
- ② POLYUREA PAVEMENT MARKING, TYPE 1 - 8" DOTTED WHITE
- ③ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID WHITE
- ④ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID YELLOW
- ⑤ POLYUREA PAVEMENT MARKING TYPE 1 - 6" SKIP DASH WHITE
- ⑥ POLYUREA PAVEMENT MARKING TYPE 1 - 8" SOLID WHITE
- ⑦ POLYUREA PAVEMENT MARKING TYPE 1 - 12" SOLID WHITE
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE WAY
- ⑨ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 9"



MODEL: Default  
 FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - L80 Roadway and other\CADD Sheets\181181\_018\_PMK-20X.dgn



USER NAME = smaxwell	DESIGNED - SDM	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - SDM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

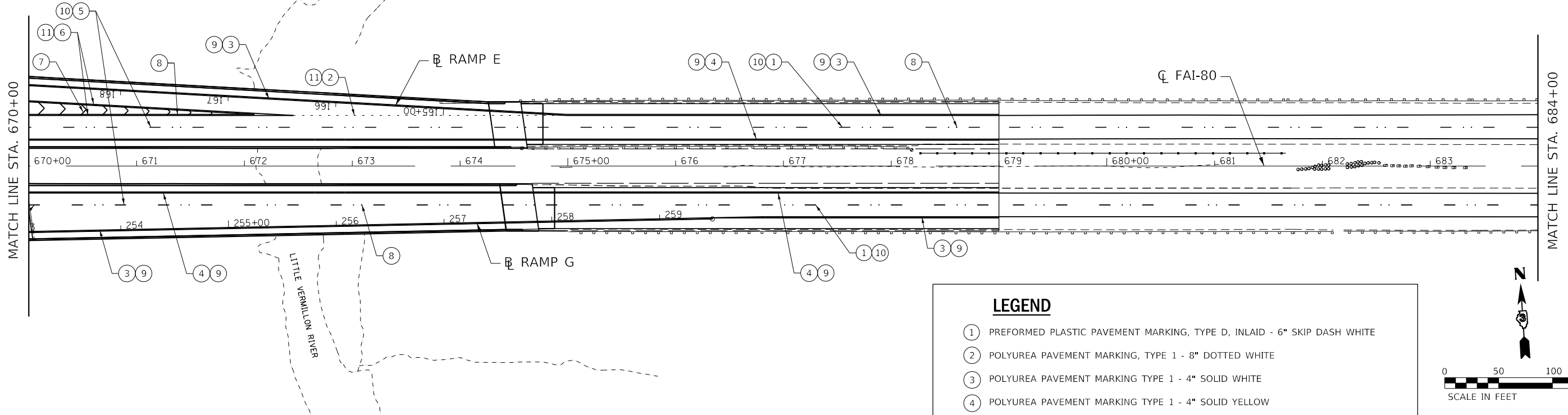
**PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 3 OF 6 SHEETS    STA. 614+00.00 TO STA. 642+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	69
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

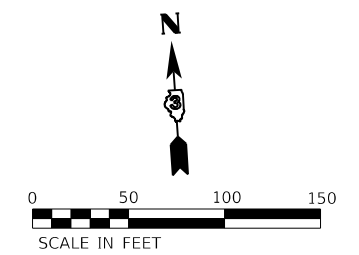
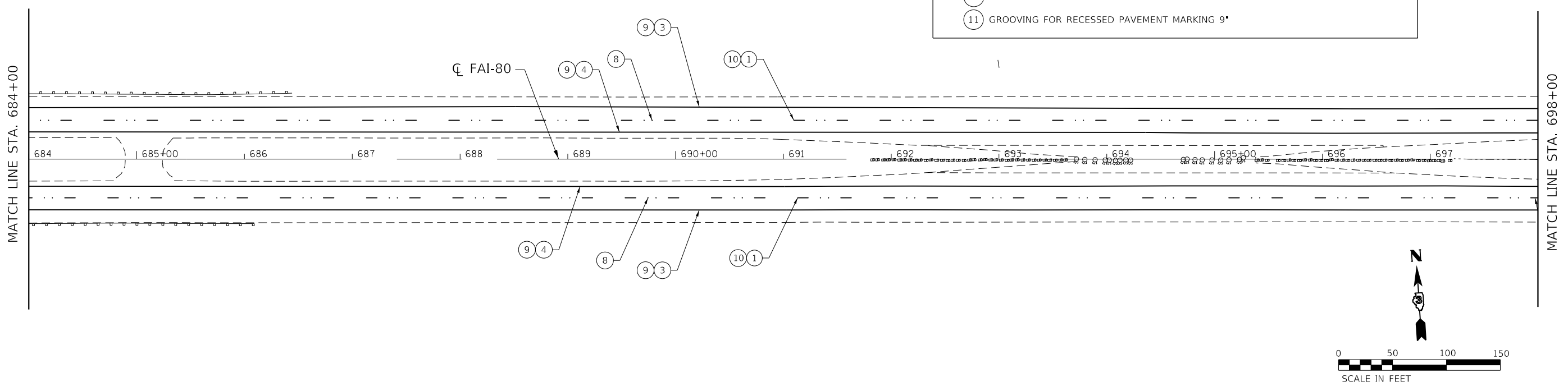
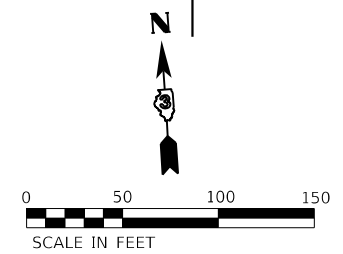


(TYP ON BRIDGE AND APPROACH)



**LEGEND**

- ① PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - 6" SKIP DASH WHITE
- ② POLYUREA PAVEMENT MARKING, TYPE 1 - 8" DOTTED WHITE
- ③ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID WHITE
- ④ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID YELLOW
- ⑤ POLYUREA PAVEMENT MARKING TYPE 1 - 6" SKIP DASH WHITE
- ⑥ POLYUREA PAVEMENT MARKING TYPE 1 - 8" SOLID WHITE
- ⑦ POLYUREA PAVEMENT MARKING TYPE 1 - 12" SOLID WHITE
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE WAY
- ⑨ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 9"



MODEL: Default; FILE NAME: S:\2019\181181\181181\_018\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - 1489\_Roadway and other\CADD\CADD\_Sheets\181181\_018\_PMK.dwg



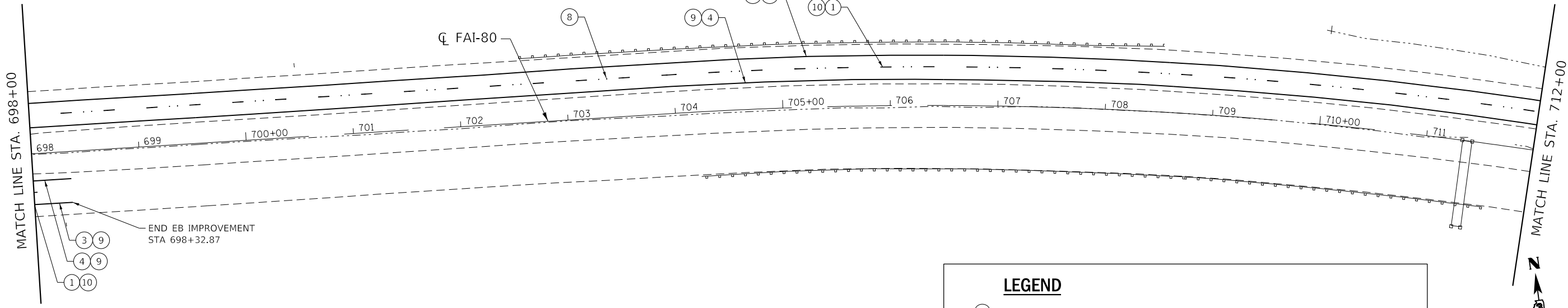
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	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN**

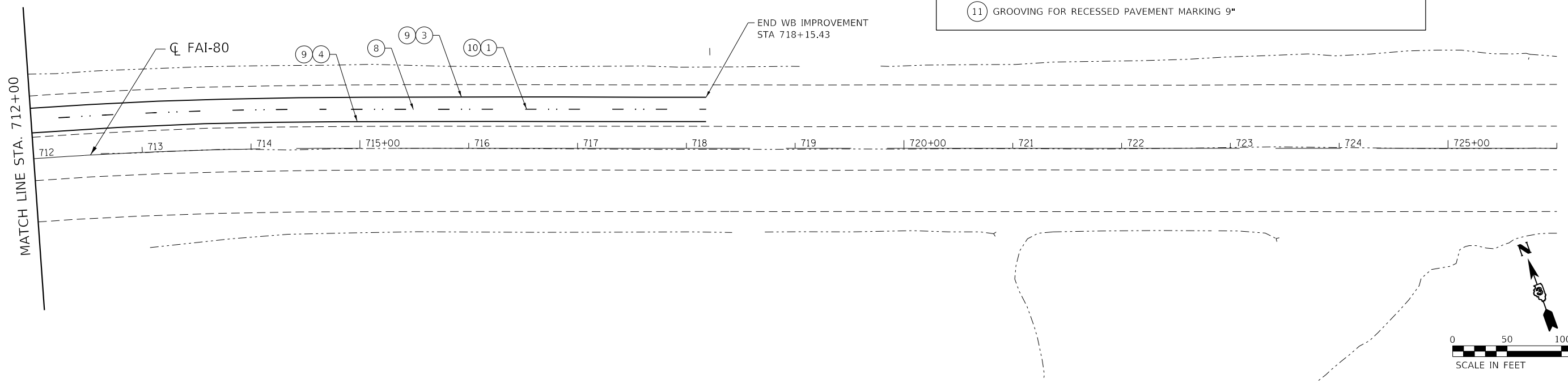
SCALE: 1" = 50'    SHEET 5 OF 6 SHEETS    STA. 670+00.00 TO STA. 698+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	71
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ① PREFORMED PLASTIC PAVEMENT MARKING, TYPE D, INLAID - 6" SKIP DASH WHITE
- ② POLYUREA PAVEMENT MARKING, TYPE 1 - 8" DOTTED WHITE
- ③ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID WHITE
- ④ POLYUREA PAVEMENT MARKING TYPE 1 - 4" SOLID YELLOW
- ⑤ POLYUREA PAVEMENT MARKING TYPE 1 - 6" SKIP DASH WHITE
- ⑥ POLYUREA PAVEMENT MARKING TYPE 1 - 8" SOLID WHITE
- ⑦ POLYUREA PAVEMENT MARKING TYPE 1 - 12" SOLID WHITE
- ⑧ RAISED REFLECTIVE PAVEMENT MARKERS - CRYSTAL, ONE WAY
- ⑨ GROOVING FOR RECESSED PAVEMENT MARKING 5"
- ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ⑪ GROOVING FOR RECESSED PAVEMENT MARKING 9"



MODEL: D:\p1\1811018\_Various Structure IDOT D3 Farmsworth PTB 1612\Work Order 14 - L80 Roadway and other\CADD\CADD Sheets\1811018\_P1811018.dgn  
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USER NAME = smaxwell	DESIGNED - SDM	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - SDM	REVISED -
PLOT DATE = 10/3/2019	CHECKED - MCV	REVISED -
	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 6 OF 6 SHEETS    STA. 698+00.00 TO STA. 726+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	72
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



## Luminaire Performance Table

### Project

Date	Contract Number	Section Number	County
06-03-2019	66H21	N/A	LASALLE
Marked Route Number		Municipality	
I-80 AT IL 351		PERU	

### Roadway

Lane Width	# of Lanes	Median Width	I.E.S Surface Classification	O-Zero Value
12	3	N/A	R3	0.07

### Structure

Mounting Height	Arm Length	Set Back	Number of Luminaires (Highmast & Sign Lighting Only)
45 FT	1 FT	30 FT	N/A

### Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution	
ROADWAY, OUTPUT DESIGNATION H	TYPE III	MEDIUM	
Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0.684	U = 0	N/A	0-10V

### Layout

Spacing (to Nearest 5 Ft) Configuration (Opposite, Staggered, 1 Sided, or Median)
170 FT SINGLE SIDED

### Performance

Average Illuminance, $E_{AVE}$ (fc)	Uniformity Ratio, $E_{AVE}/E_{MIN}$		
0.6	3.0		
Average Luminance, $L_{AVE}$ (cd/m <sup>2</sup> )	Uniformity Ratio, $L_{AVE}/L_{MIN}$	Uniformity Ratio, $L_{MAX}/L_{MIN}$	Veiling Luminance Ratio, $L_v/L_{MIN}$
0.4	3.5:1	6.0:1	0.3:1

### Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E	Max. Vertical Illuminance at ROW, E
N/A	N/A	N/A

### Notes

1. Set Back is from Edge of Pavement (white line) except for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire.
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
3. Total Light Loss Factor (LLF) = the product of "Lumen Maintenance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
4. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.

CALCULATIONS TO BE PERFORMED IN ONE DIRECTION ONLY

THIS PERFORMANCE TABLE APPLIES TO PROPOSED INTERCHANGE LUMINAIRES AND TEMPORARY CROSSOVER LUMINAIRES.

MODEL: Default  
FILE NAME: S:\2019\18118118\18118118\_Various Structure IDOT D3 Farnsworth PTB 16121\Work Order 14 - I80 Roadway and other\CADD\CADD\_Sheets\Temp Lighting\16121\Lighting.dgn

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	DRAWN - TSN	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GSN	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -














STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LUMINAIRE  
PERFORMANCE TABLES

SCALE: SHEET OF SHEETS STA. TO STA.

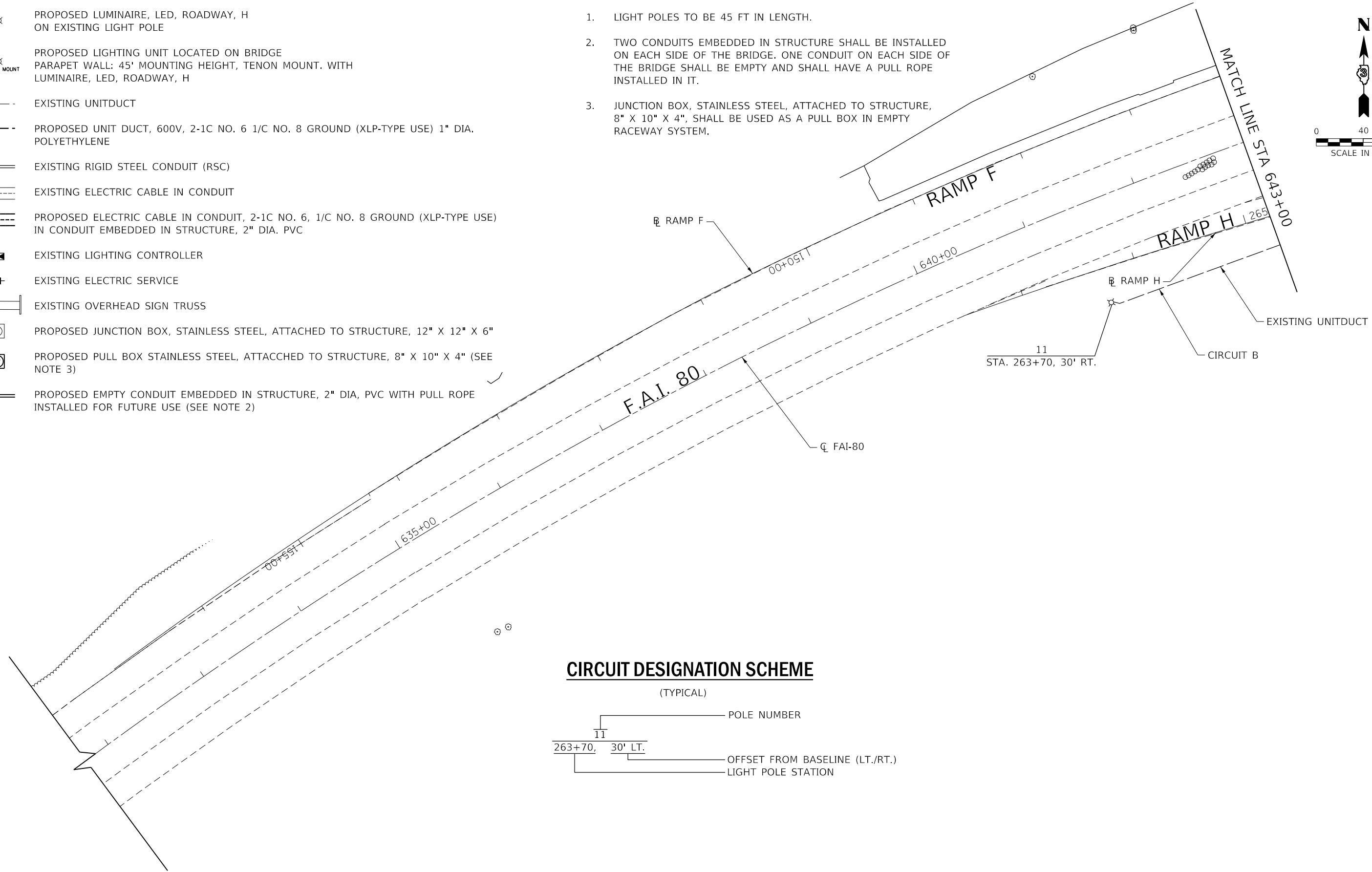
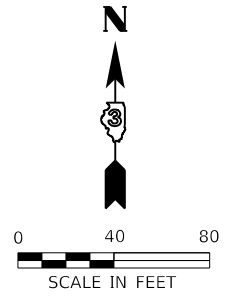
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	74
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

# ROADWAY LIGHTING LEGEND

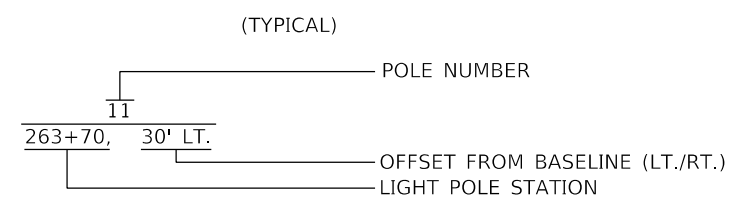
-  PROPOSED LUMINAIRE, LED, ROADWAY, H ON EXISTING LIGHT POLE
-  PROPOSED LIGHTING UNIT LOCATED ON BRIDGE PARAPET WALL: 45' MOUNTING HEIGHT, TENON MOUNT. WITH LUMINAIRE, LED, ROADWAY, H
-  EXISTING UNITDUCT
-  PROPOSED UNIT DUCT, 600V, 2-1C NO. 6 1/C NO. 8 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
-  EXISTING RIGID STEEL CONDUIT (RSC)
-  EXISTING ELECTRIC CABLE IN CONDUIT
-  PROPOSED ELECTRIC CABLE IN CONDUIT, 2-1C NO. 6, 1/C NO. 8 GROUND (XLP-TYPE USE) IN CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC
-  EXISTING LIGHTING CONTROLLER
-  EXISTING ELECTRIC SERVICE
-  EXISTING OVERHEAD SIGN TRUSS
-  PROPOSED JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"
-  PROPOSED PULL BOX STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 10" X 4" (SEE NOTE 3)
-  PROPOSED EMPTY CONDUIT EMBEDDED IN STRUCTURE, 2" DIA, PVC WITH PULL ROPE INSTALLED FOR FUTURE USE (SEE NOTE 2)

# ROADWAY GENERAL NOTES

1. LIGHT POLES TO BE 45 FT IN LENGTH.
2. TWO CONDUITS EMBEDDED IN STRUCTURE SHALL BE INSTALLED ON EACH SIDE OF THE BRIDGE. ONE CONDUIT ON EACH SIDE OF THE BRIDGE SHALL BE EMPTY AND SHALL HAVE A PULL ROPE INSTALLED IN IT.
3. JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 10" X 4", SHALL BE USED AS A PULL BOX IN EMPTY RACEWAY SYSTEM.



## CIRCUIT DESIGNATION SCHEME



MODEL: Default  
 FILE NAME: S:\2018\181181018\_Various Structure IDOT D3\_Farmsworth\_PTB 16121\Work Order 14 - L80\_Roadway and other\CADD\CADD\_Sheets\03-66621\_Sht-Lighting - 1.dgn

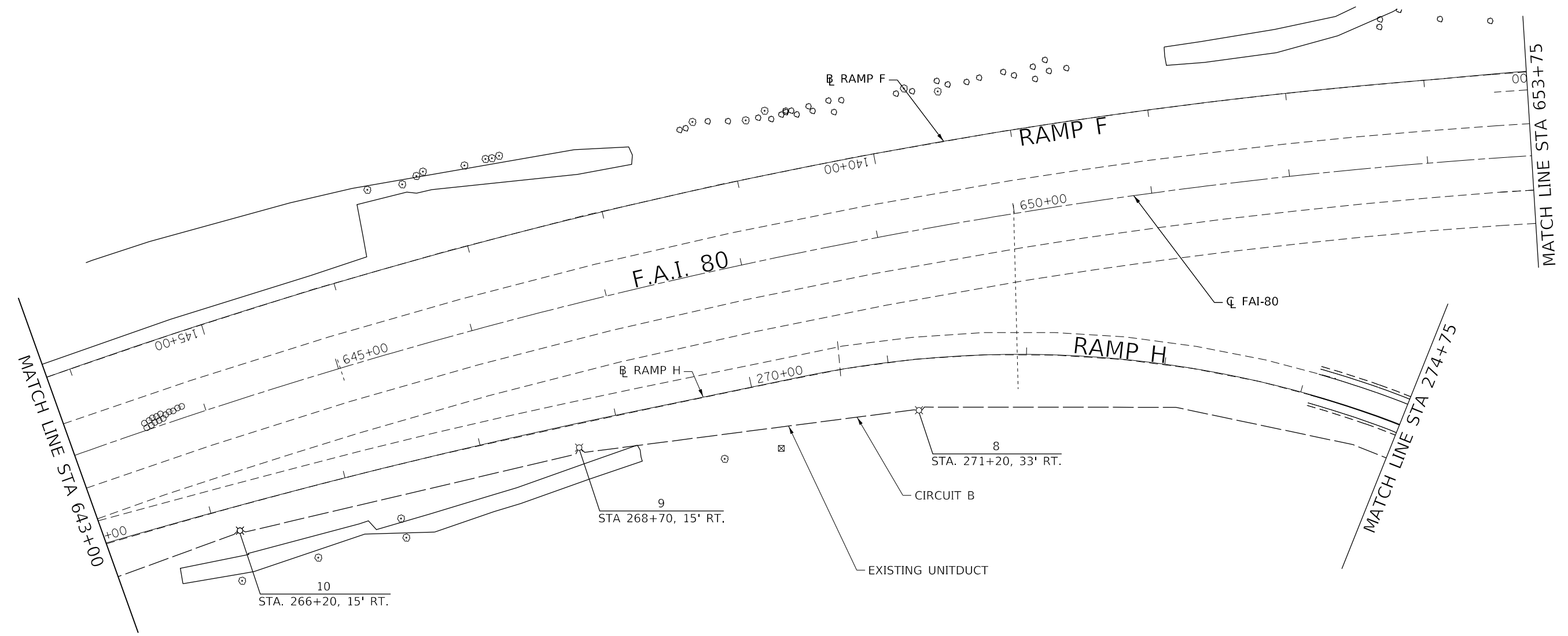
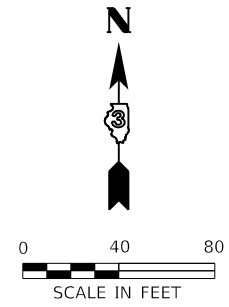
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	DRAWN - TSN	REVISED -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### ROADWAY LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. 632+00 TO STA. 643+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	75
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

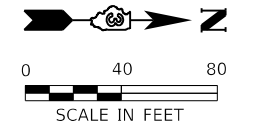
**ROADWAY LIGHTING PLAN**

SCALE: SHEET OF SHEETS STA. 643+00 TO STA. 653+75

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	76
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



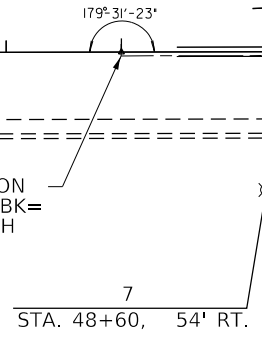
CIVIC ROAD



ILLINOIS ROUTE 351

MATCH LINE STA 50+00

STATION EQUATION  
STA. 264+47.43 BK=  
STA. 49+00.00 AH



EXISTING UNITDUCT

CIRCUIT B

RAMP H

RAMP H

MATCH LINE STA 50+00

ILLINOIS ROUTE 351

IL ROUTE 351

MATCH LINE STA 60+70

EXISTING ELECTRIC SERVICE  
240/480V,  
1Ø, 3 WIRE

EXISTING LIGHTING  
CONTROLLER

CIRCUIT A  
CIRCUIT C  
CIRCUIT D  
CIRCUIT E  
CIRCUIT F

CIRCUIT A  
CIRCUIT C  
CIRCUIT D

RAMP G

RAMP G

CIRCUIT E  
CIRCUIT F

MATCH LINE STA 241+15

STA. 50+60, 61' RT.

STA. 233+70, 33' RT.

STA 235+70, 36' RT.

STA. 237+70, 30' RT.

STA. 58+70, 48' RT.

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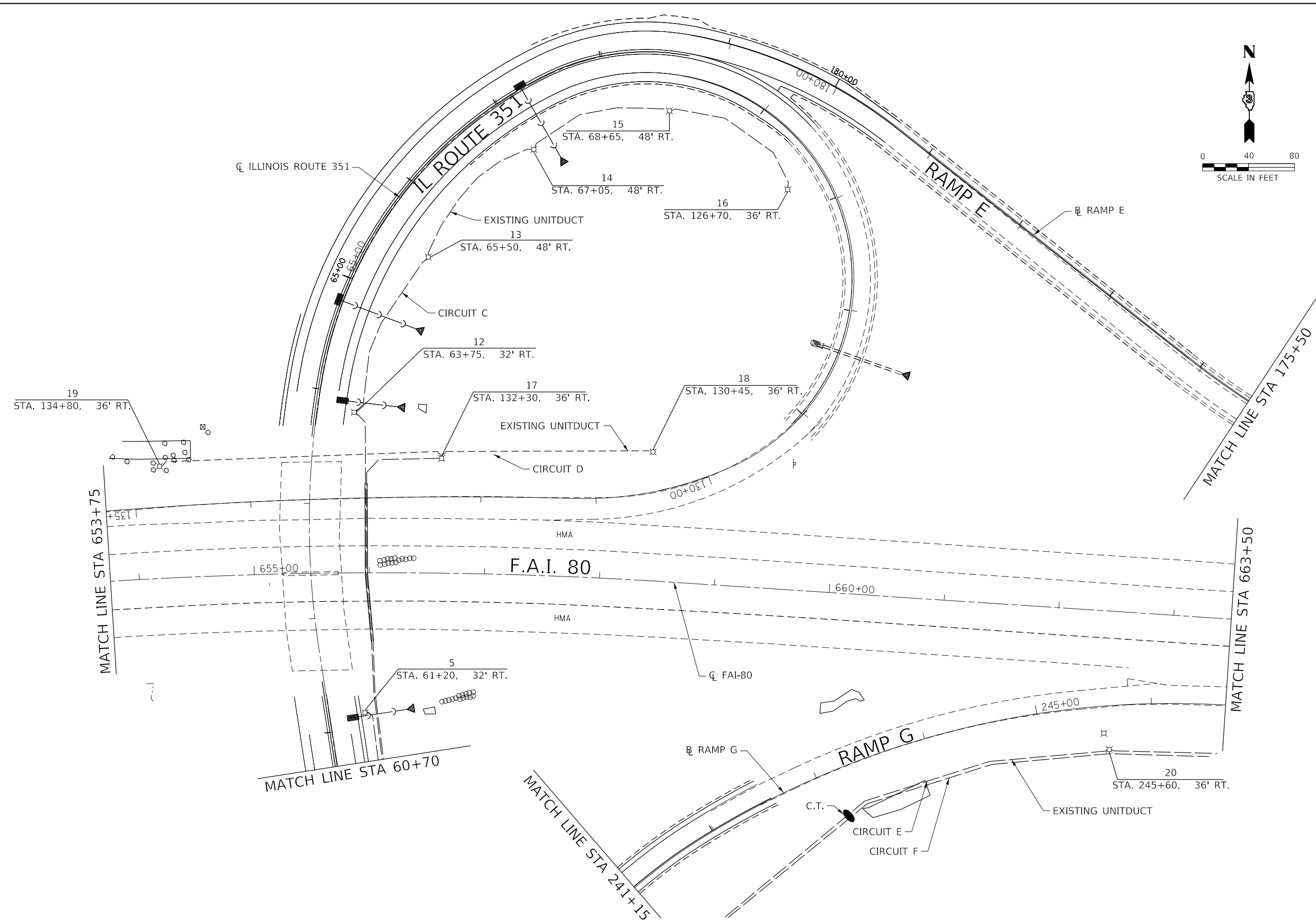
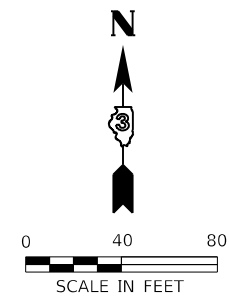
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN

SCALE: SHEET OF SHEETS STA. 43+00 TO STA. 60+70

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	77
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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DRAWN - TSN	REVISOR -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 653+75	TO STA. 663+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	78
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

# NOTES

- EMPTY RACEWAY SYSTEM AND PULL BOXES SHALL BE INDEPENDENT OF THE LIGHTING RACEWAY SYSTEM. HOWEVER, BOTH RACEWAYS SHALL EXTEND TO AND TERMINATE IN THE JUNCTION BOXES AT EACH END OF THE BRIDGE.
- CONDUIT ENTERING 12" x 12" x 6" JUNCTION BOXES SHALL BE SPACED A MINIMUM OF 6" APART.

PROPOSED ELECTRIC CABLE IN CONDUIT  
2-1/C#6 1-C#8 GND(XLP-TYPE USE)  
EMBEDDED IN STRUCTURE, 2" DIA. PVC

PROPOSED EMPTY CONDUIT  
EMBEDDED IN STRUCTURE 2" DIA.  
PVC WITH PULL ROPE (SEE NOTE 1)

CIRCUIT F

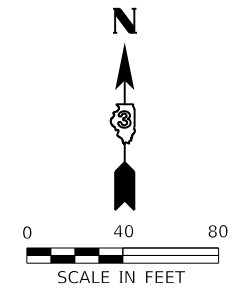
47-29  
STA. 164+50, 7'-7" RT.  
BRIDGE MOUNT

675+00

47-25  
STA. 257+50, 7'-7" RT.  
BRIDGE MOUNT

PROPOSED JUNCTION BOX  
ATTACHED TO STRUCTURE  
STAINLESS STEEL, 12" X 12" X 6"  
(SEE NOTES 1 & 2)

PULL BOX, STAINLESS STEEL,  
8" X 10" X 4", IN EMPTY RACEWAY AT  
MIDSPAN OF BRIDGE



PROPOSED EMPTY CONDUIT  
EMBEDDED IN STRUCTURE 2" DIA.  
PVC WITH PULL ROPE (SEE NOTE 1)

47-28  
STA. 167+00, 7'-7" RT.  
BRIDGE MOUNT

27  
STA. 169+50, 21' RT.

PROPOSED EMPTY CONDUIT  
EMBEDDED IN STRUCTURE 2" DIA.  
PVC WITH PULL ROPE (SEE NOTE 1)

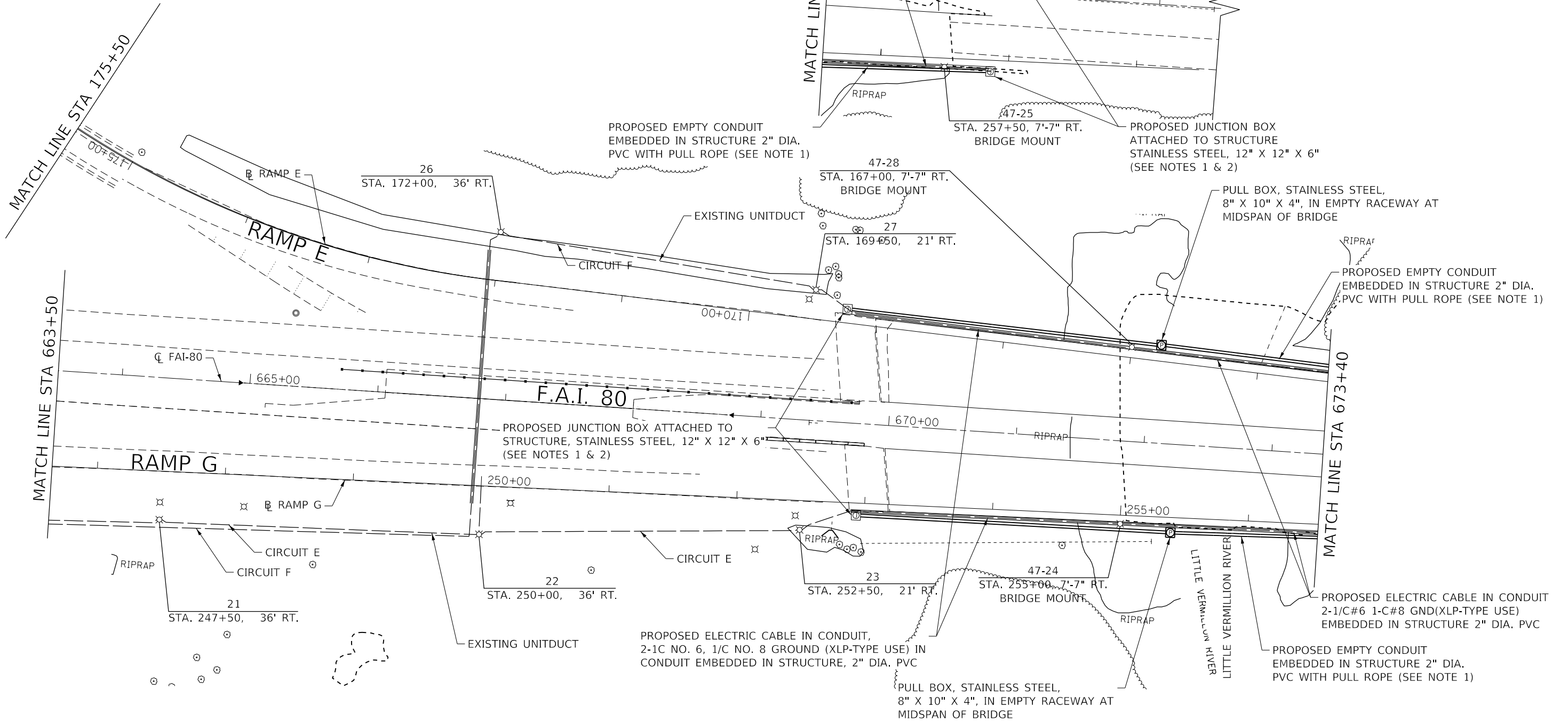
PROPOSED JUNCTION BOX ATTACHED TO  
STRUCTURE, STAINLESS STEEL, 12" X 12" X 6"  
(SEE NOTES 1 & 2)

PROPOSED ELECTRIC CABLE IN CONDUIT  
2-1/C#6 1-C#8 GND(XLP-TYPE USE)  
EMBEDDED IN STRUCTURE 2" DIA. PVC

PROPOSED EMPTY CONDUIT  
EMBEDDED IN STRUCTURE 2" DIA.  
PVC WITH PULL ROPE (SEE NOTE 1)

PROPOSED ELECTRIC CABLE IN CONDUIT,  
2-1C NO. 6, 1/C NO. 8 GROUND (XLP-TYPE USE) IN  
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC

PULL BOX, STAINLESS STEEL,  
8" X 10" X 4", IN EMPTY RACEWAY AT  
MIDSPAN OF BRIDGE



MODEL: Default  
FILE NAME: S:\2019\181181\181181\_180\_Roadway and other\CADD\CADD\_Sheets\03-66621\_SignLighting - 5.dgn

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DRAWN - TSN	REVISIONS -	
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PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

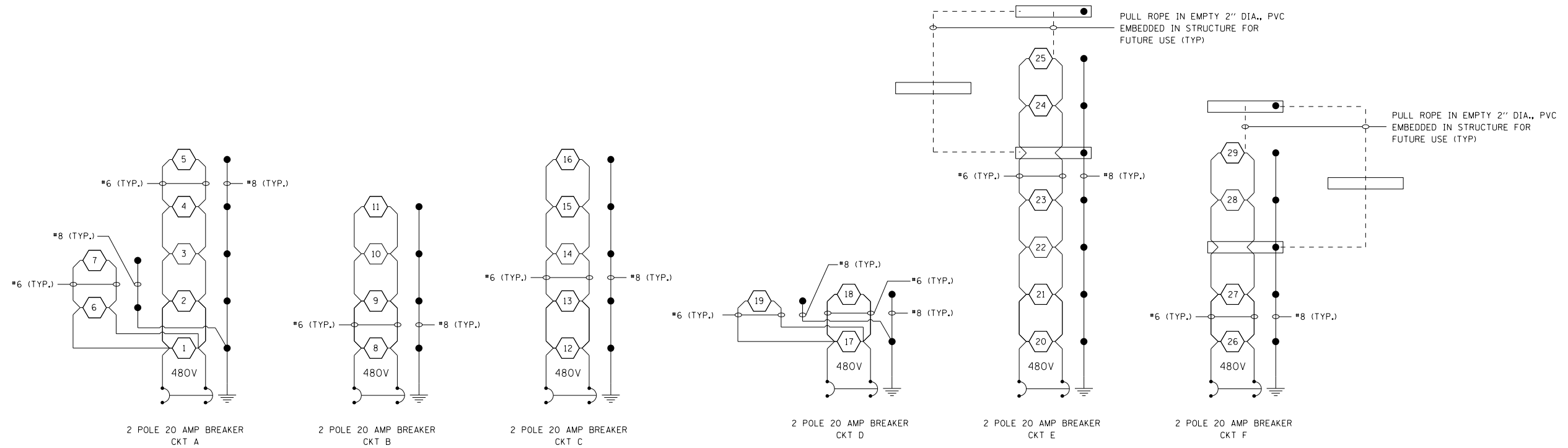
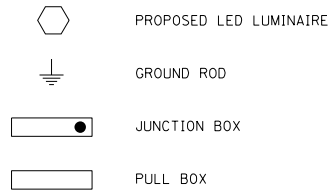
**ROADWAY LIGHTING PLAN**

SCALE: SHEET OF SHEETS STA. 663+50 TO STA. 676+50

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	79
CONTRACT NO. 66H21			ILLINOIS FED. AID PROJECT	

NOTES:

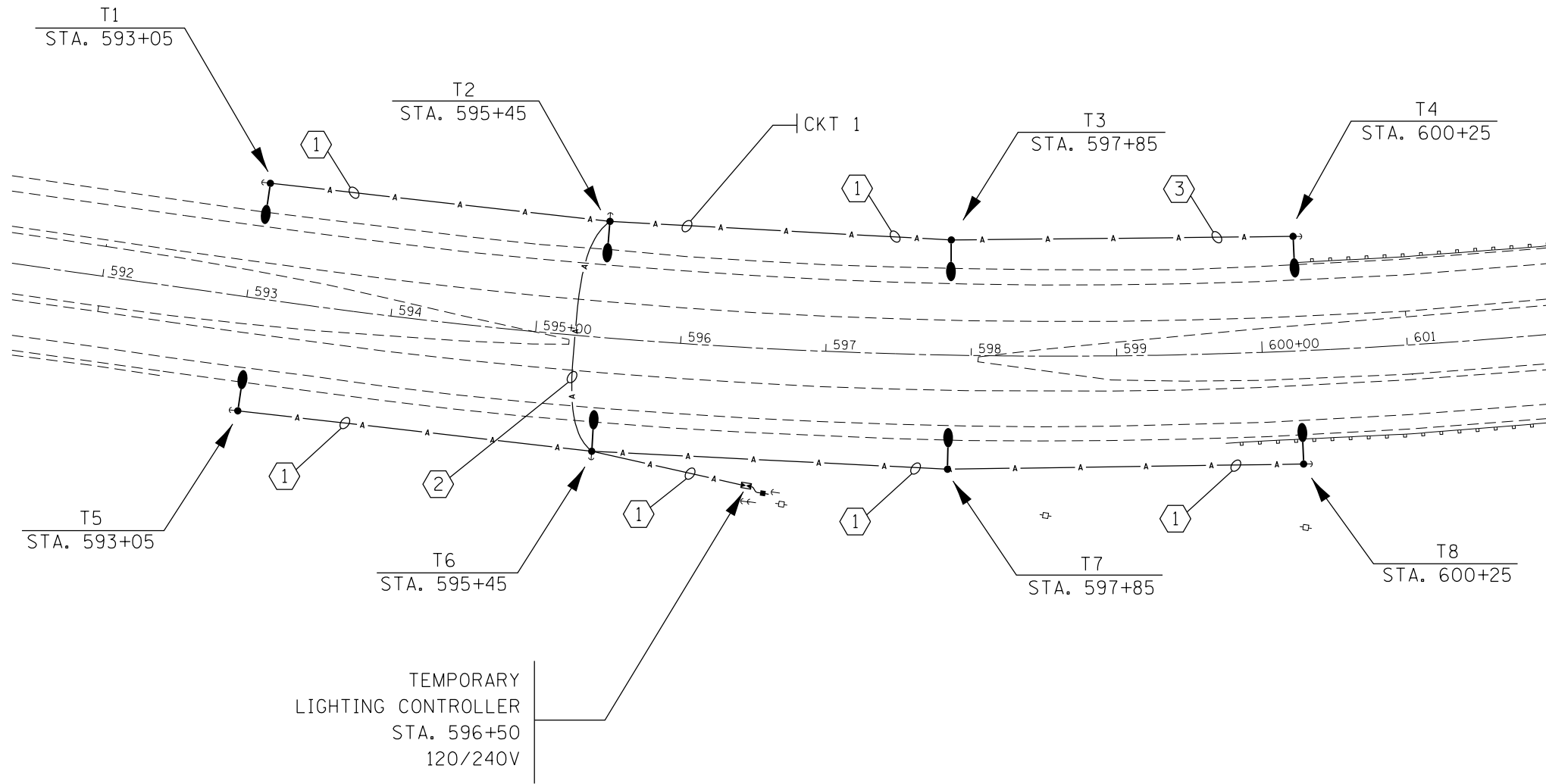
- ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.



LIGHTING CONTROLLER 1  
PEDESTAL MOUNT, 240V

FILE NAME =	USER NAME = smaxwell	DESIGNED - GSN	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>F.A.I. 80 AT ILLINOIS RTE 351 WIRING DIAGRAM &amp; PERF TAB</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - GSN				REVISED -	80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LA SALLE	328
	PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 66H21		
ILLINOIS FED. AID PROJECT											

MODEL: Default  
 FILE NAME: S:\2018\181181\181181\_Various Structure IDOT D3 Farmsworth PTB 16121\Work Order 14 - 140 Roadway and other\CADD\CADD\_Sheets\Temp Lighting\03-56121\_Sht-1 Lighting.dgn



USER NAME = smaxwell	DESIGNED - GSN	REVISED -
	DRAWN - TSN	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GSN	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

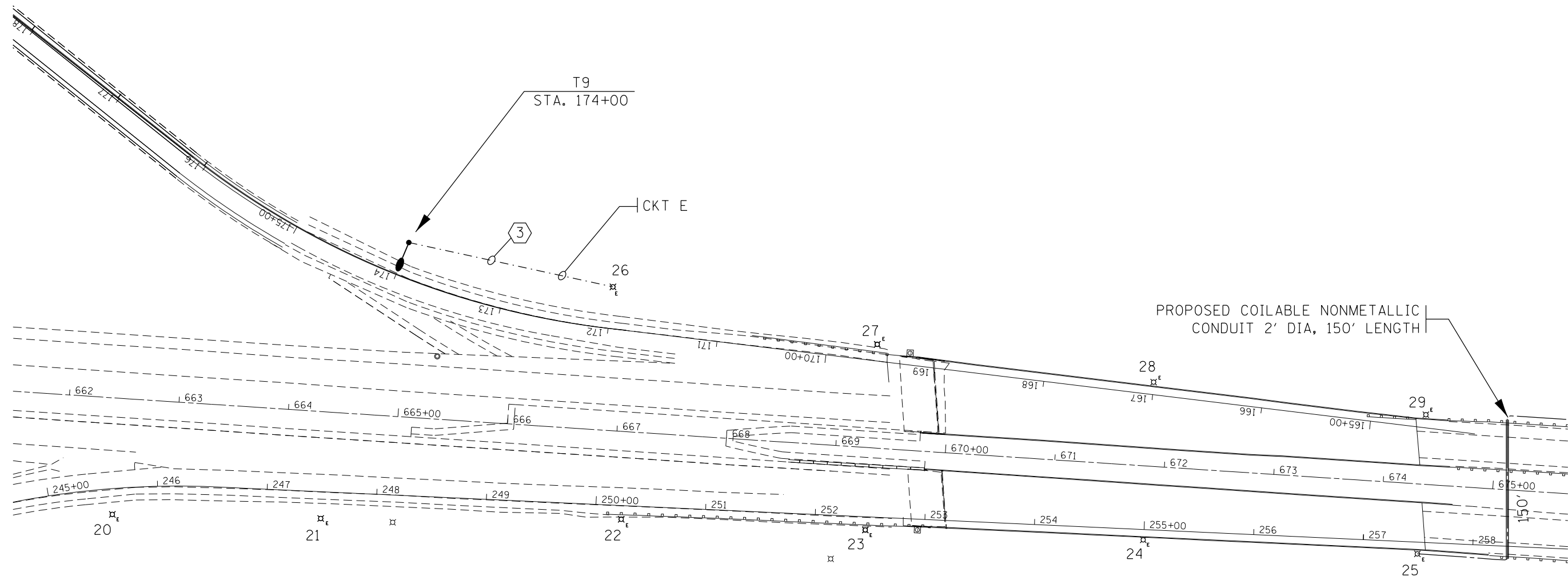
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
 EAST CROSSOVER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	81
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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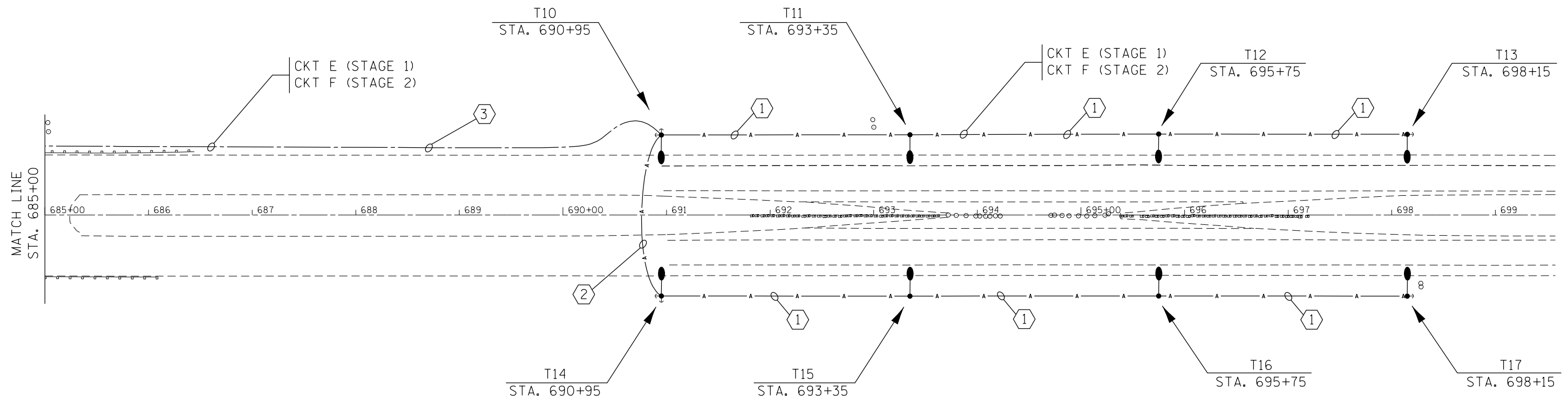
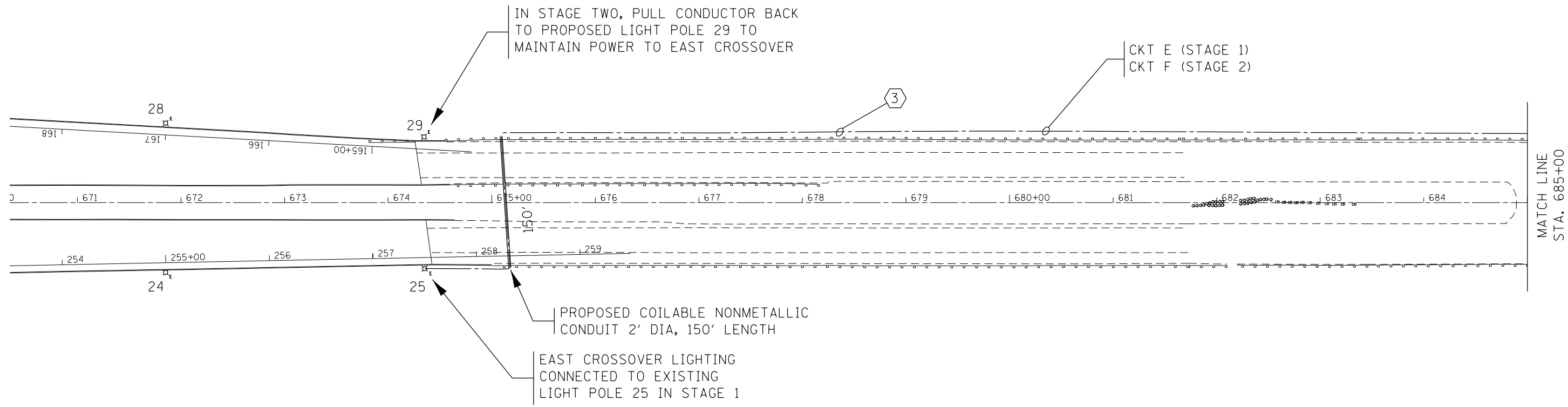
USER NAME = smaxwell	DESIGNED - GSN	REVISED -
DRAWN - TSN	REVISIONS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - GSN	REVISED -
PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING  
 RAMP CROSSOVER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	82
CONTRACT NO. 66H21				
ILLINOIS		FED. AID PROJECT		



MODEL: Default  
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USER NAME = smaxwell	DESIGNED - GSN	REVISED -
DRAWN - TSN	CHECKED - GSN	REVISED -
PLOT SCALE = 100.0000' / in.	DATE - 10/4/2019	REVISED -
PLOT DATE = 10/3/2019		

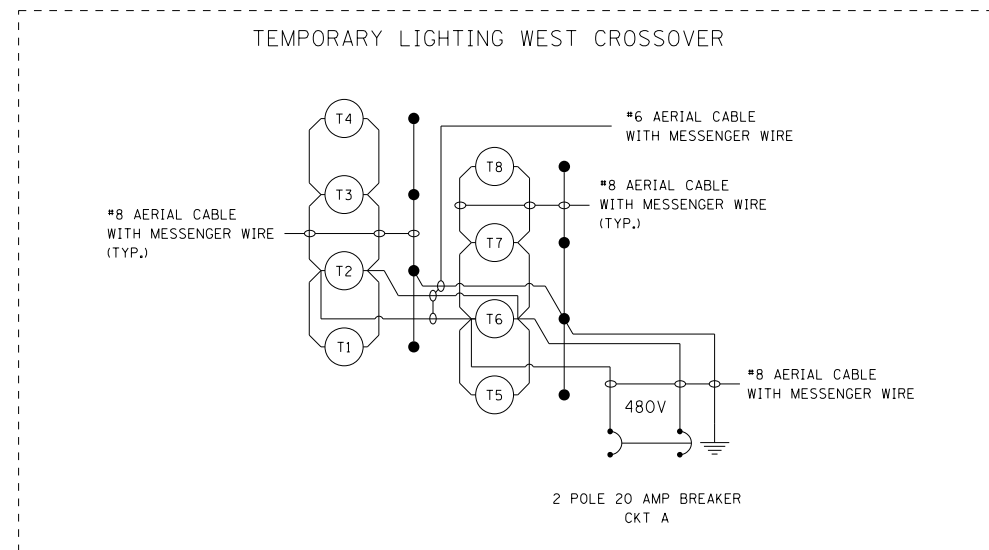
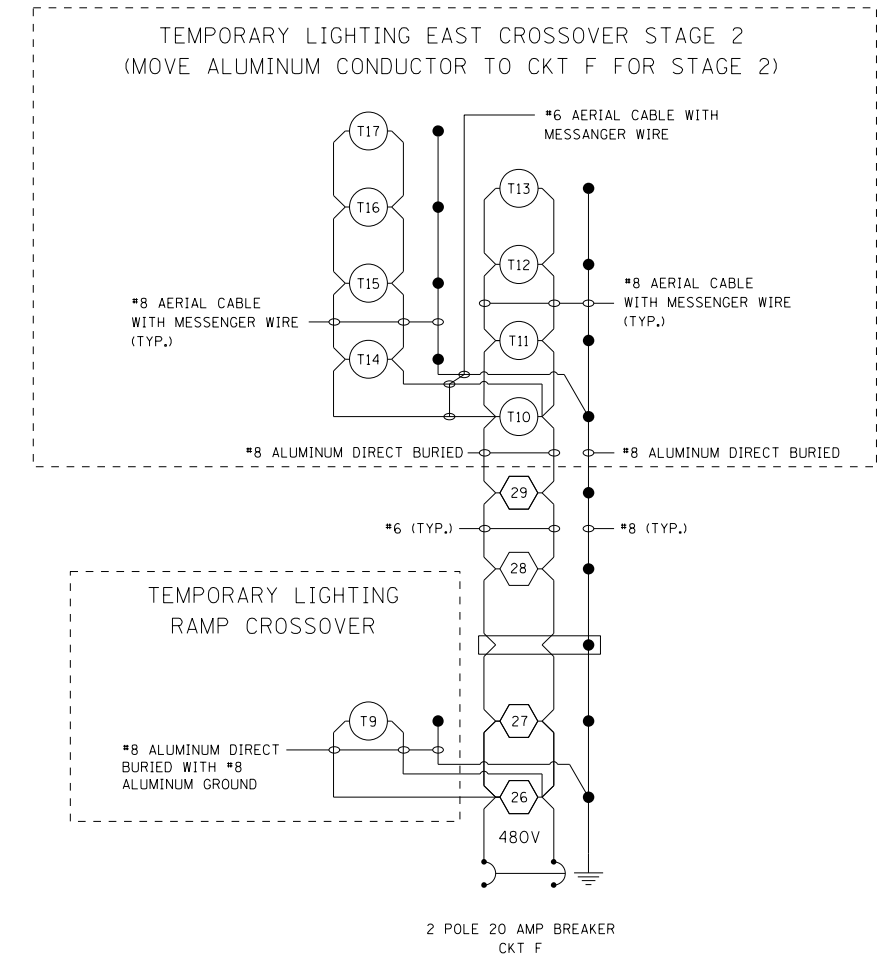
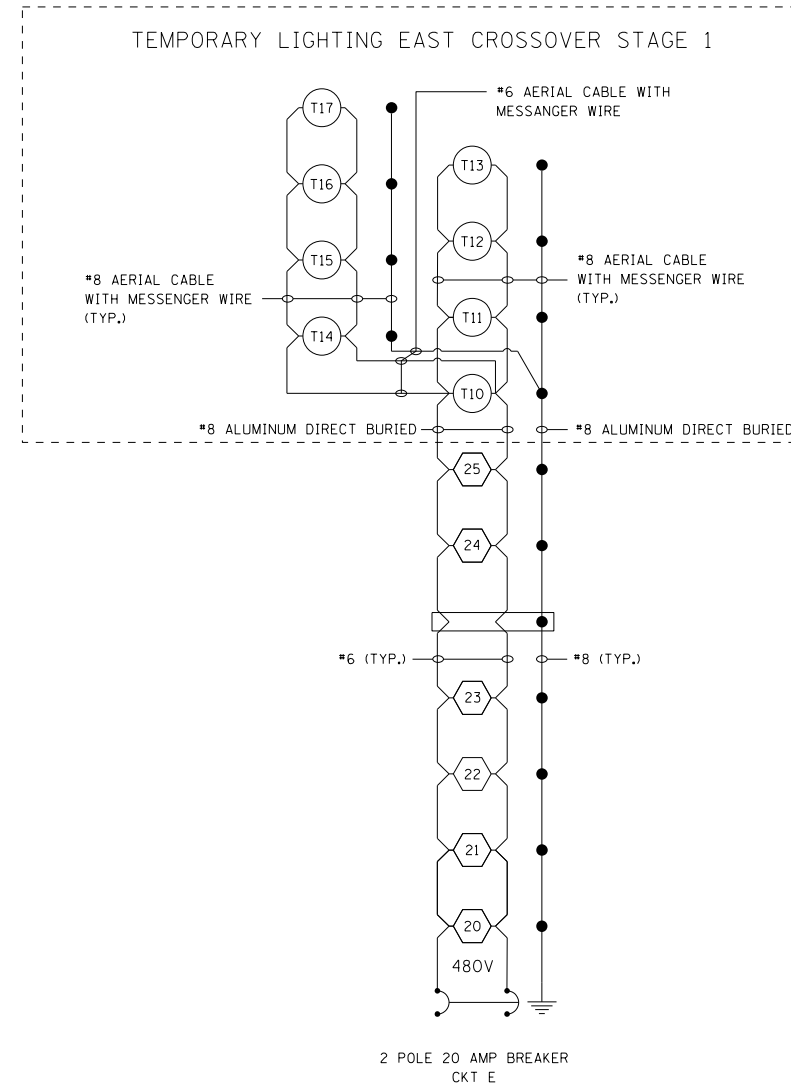
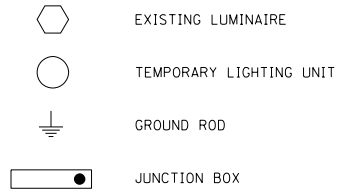
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY LIGHTING</b> <b>WEST CROSSOVER</b>		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	83
CONTRACT NO. 66H21				
ILLINOIS		FED. AID PROJECT		

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.



TEMP LIGHTING CONTROLLER  
POLE MOUNT, 240V

LIGHTING CONTROLLER 1  
PEDISTAL MOUNT, 240V

FILE NAME =	USER NAME = smaxwell	DESIGNED - GSN	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - GSN	REVISED -
	PLOT DATE = 10/3/2019	DATE - 10/4/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING  
WIRING DIAGRAMS

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-2(HB-2)BDR(HB-1)BR(BR)BR-1	LASALLE	328	84
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



Existing Structures: Structures No. (SN) 050-0228 (carrying WB I-80) & 050-0229 (carrying EB I-80) were constructed in 1996 as Section (50-2)HB-2 to completely replace SN 050-0001 & 050-0002, which were six-span and seven-span, respectively, precast prestressed concrete (PPC) I-beam bridges constructed in 1962. In 2003, a 3/8" thin polymer overlay was applied to the deck and approach slabs, and the slope walls were repaired. The superstructure consists of three simple spans of PPC I-beams with a 7 1/4" cast-in-place concrete deck (accounting for 1/4" scarification). The substructure consists of vaulted abutments supported by driven concrete piles. The back-to-back of approach bents length is 184'-7 7/8" (SN 050-0228) and 183'-0 1/4" (SN 050-0229), and the out-to-out of deck width is 43'-2" for both bridges. The span lengths are 43'-4", 97'-11 7/8", and 43'-4" for SN 050-0228, and 42'-7 1/2", 97'-9 1/4", and 42'-7 1/2" for SN 050-0229. SN 050-0228 is skewed 21°0'0" right forward, and SN 050-0229 is skewed 15°40'0" right forward. One lane of thru traffic in each direction will be maintained on one bridge using a median crossover, and one lane of traffic associated with the IL Route 351 interchange will be maintained on the other bridge using stage construction.

No salvage.

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications for Highway Bridges

**LOADING HS20-44 & ALT.**

No allowance for future wearing surface

**EXISTING DESIGN STRESSES**

**FIELD UNITS:**

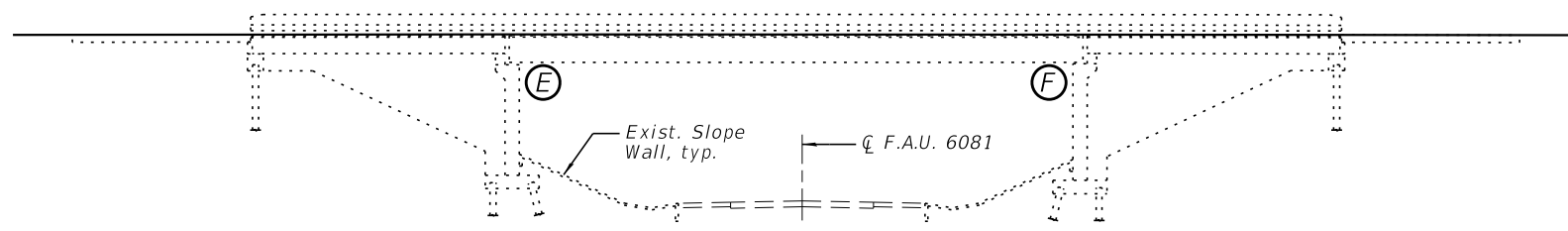
f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)  
 fy = 36,000 psi (Structural Steel, M270 Grade 36)

**SCOPE OF WORK**

- 1.) Maintain one lane of thru traffic in each direction on one bridge using a median crossover, and one lane of traffic associated with the IL Route 351 interchange will be maintained on the other bridge using stage construction.
- 2.) Removal of polymer overlay on bridge deck and approach slabs.
- 3.) Partial depth repairs to deck and approaches.
- 4.) Adjust frames and grates of existing approach shoulder inlets.
- 5.) Latex concrete overlay on the deck and approaches.
- 6.) Cleaning and painting of structural steel bearing assembly.
- 7.) Slope wall repairs.

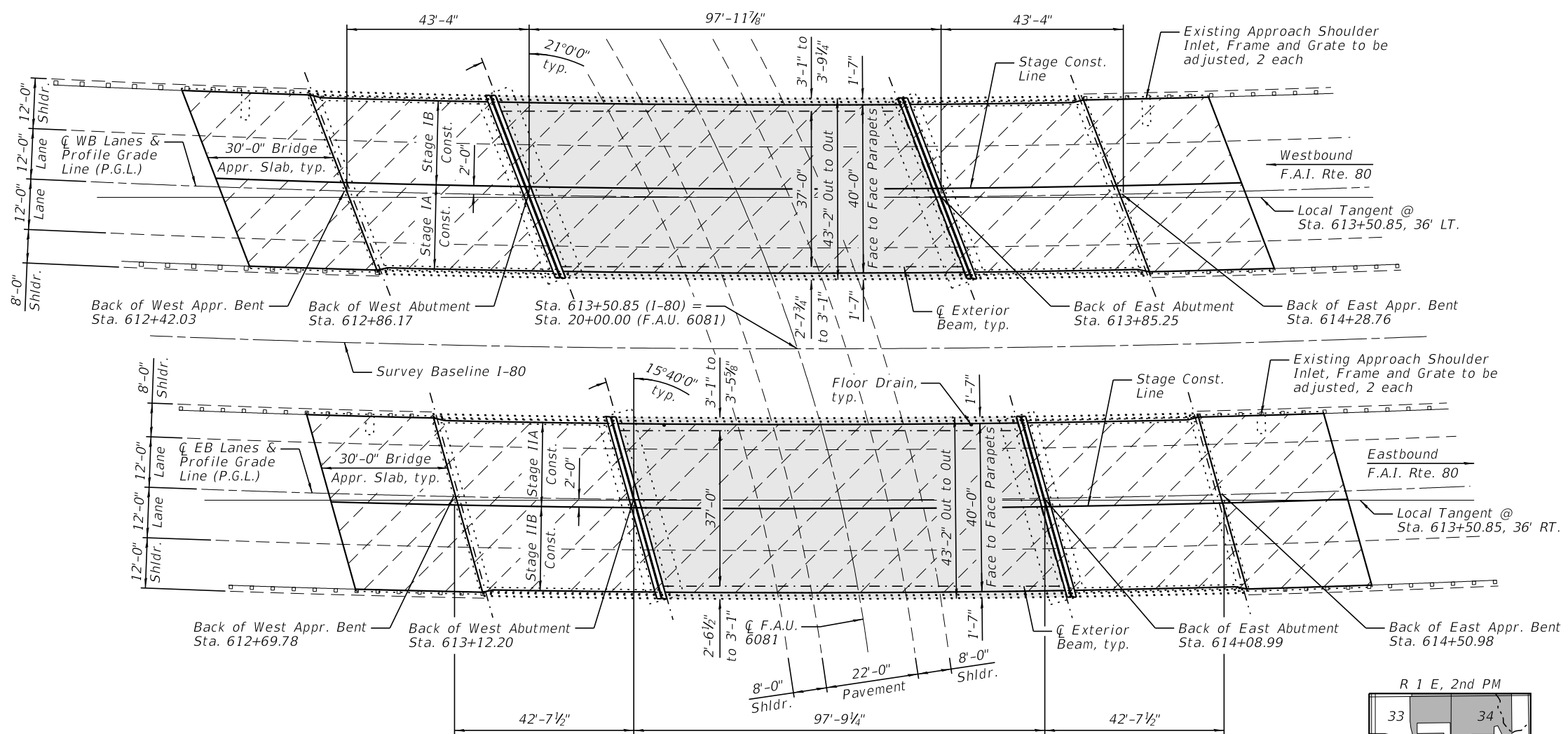
**INDEX OF SHEETS**

SHEET NO.	TITLE
1	GENERAL PLAN AND ELEVATION
2	GENERAL DATA
3-4	TRAFFIC STAGING DETAILS
5	DECK & APPROACH SLAB REPAIRS
6	DECK & APPROACH SLAB REPAIRS - AS BUILT
7-9	EXPANSION JOINT RECONSTRUCTION
10	PREFORMED JOINT STRIP SEAL
11	APPROACH SHOULDER INLET DETAILS
12	SLOPE WALL REPAIR
13	SLOPE WALL REPAIR - AS BUILT
14	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS



**ELEVATION**

Westbound Structure shown, Eastbound Structure similar.



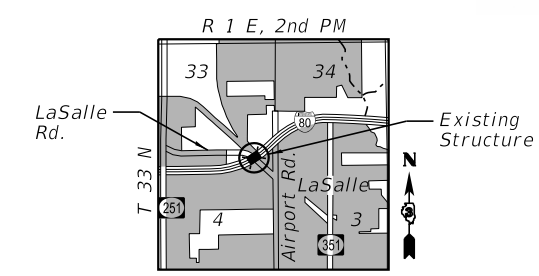
**PLAN**

**LEGEND**

- Limits of Bridge Deck Scarification 3/4" and Bridge Deck Latex Concrete Overlay 2 1/4"
- Limits of Protective Shield



*John C. Zeman* Date 10/04/19  
 JOHN C. ZEMAN  
 ILLINOIS STRUCTURAL ENGINEER  
 NO. 081-007515  
 Exp. Date 11/30/20



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**INTERSTATE 80 OVER LASALLE ROAD**  
**F.A.I. 80 - SECTION (50-2)HB-2 & HBR-1**  
**LASALLE COUNTY**  
**STATION 613+50.85**  
**STRUCTURE NO. 050-0228 (WB)**  
**AND 050-0229 (EB)**



DESIGNED - IIP	REVISION
CHECKED - JCZ	REVISION
DRAWN - DJM	REVISION
CHECKED - DAH	REVISION
DATE - 10/4/2019	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SHEET NO. 1 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	85
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	8.5
Protective Shield	Sq. Yd.	939
Concrete Superstructure	Cu. Yd.	9.9
Bridge Deck Grooving	Sq. Yd.	2,059
Protective Coat	Sq. Yd.	2,164
Reinforcement Bars, Epoxy Coated	Pound	1,090
Bar Splicers	Each	16
Preformed Joint Strip Seal	Foot	177
Concrete Sealer	Sq. Ft.	12
Epoxy Crack Injection	Foot	43
Frames and Grates to be Adjusted	Each	4
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq. Yd.	2,120
Bridge Deck Scarification 3/4"	Sq. Yd.	2,127
Structural Repair of Concrete (Depth Equal to or less than 5 Inches)	Sq. Ft.	12
Silicone Joint Sealer, 1"	Foot	182
Polymer Concrete	Cu. Ft.	36
Slope Wall Repair	Sq. Yd.	204
Slope Wall Slurry Pumping	Cu. Yd.	4.0
Slope Wall Crack Sealing	Foot	650
Cleaning and Painting Bearings	Each	28

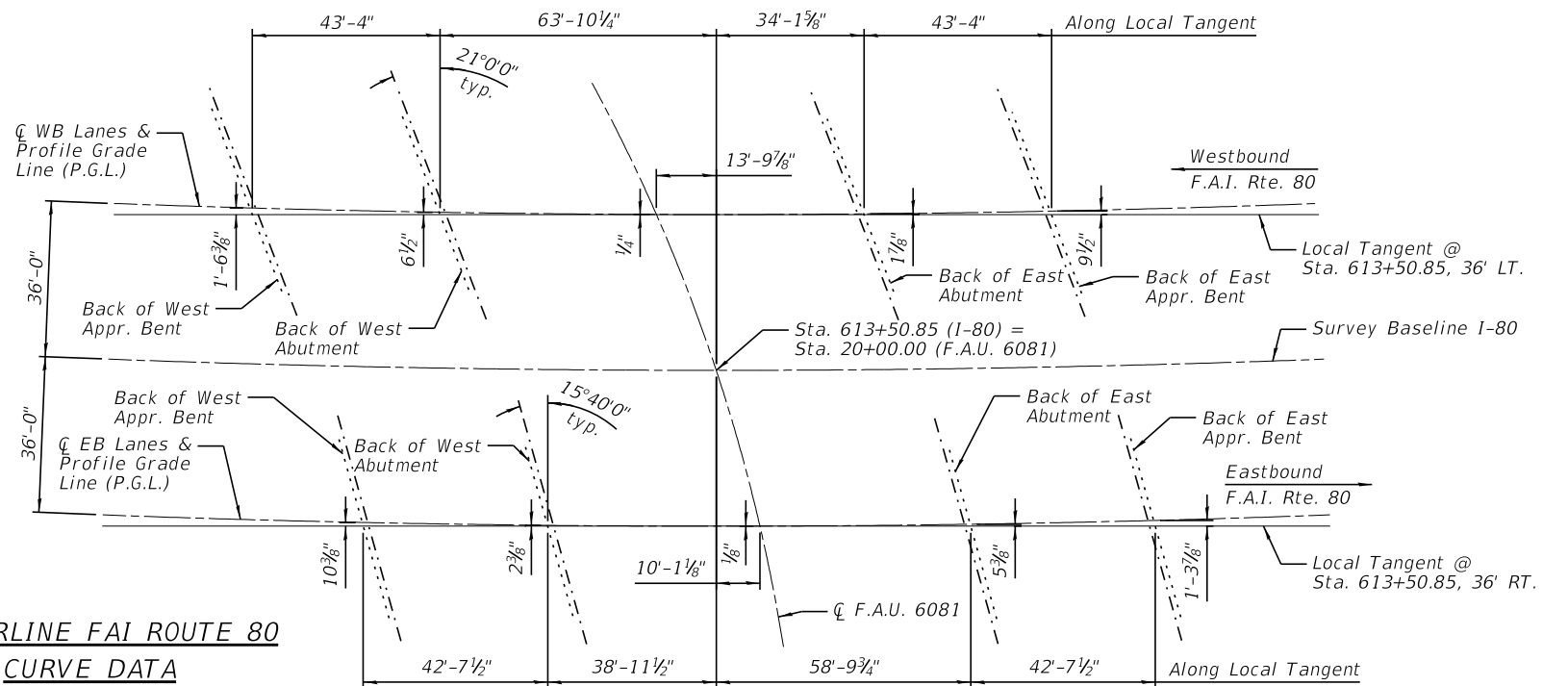
**GENERAL NOTES:**

- All structural steel shall be AASHTO M 270 Grade 36.
- No field welding is permitted except as specified in the contract documents.
- 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.
- Protective Coat shall be applied to the Bridge Deck Latex Concrete Overlay and new concrete areas only.
- Concrete Sealer shall be applied to the areas receiving Structural Repair of Concrete.
- Reinforcement bars designated (E) shall be epoxy coated.
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- The contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beams.
- Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
- Synthetic fibers shall be added to the Bridge Deck Latex Concrete Overlay, see Special Provisions.

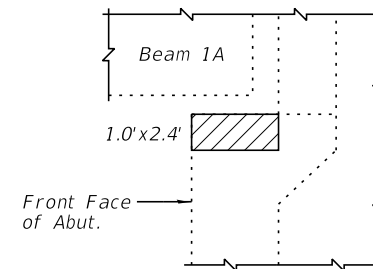
**CENTERLINE FAI ROUTE 80**

**CURVE DATA**

P.I. Sta. 608+00.00  
 $\Delta = 42^\circ 27' 40''$   
 $D = 1^\circ 30' 00''$   
 $R = 3,819.72'$   
 $T = 1,483.93'$   
 $L = 2,830.74'$   
 $E = 278.12'$   
 $S.E. = 0.03'/'$

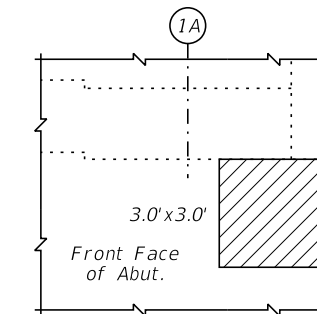


**OFFSET SKETCH**



**PARTIAL SIDE ELEVATION  
NORTH END OF W. ABUT.**

(SN 050-0228)  
(Looking Southeast)

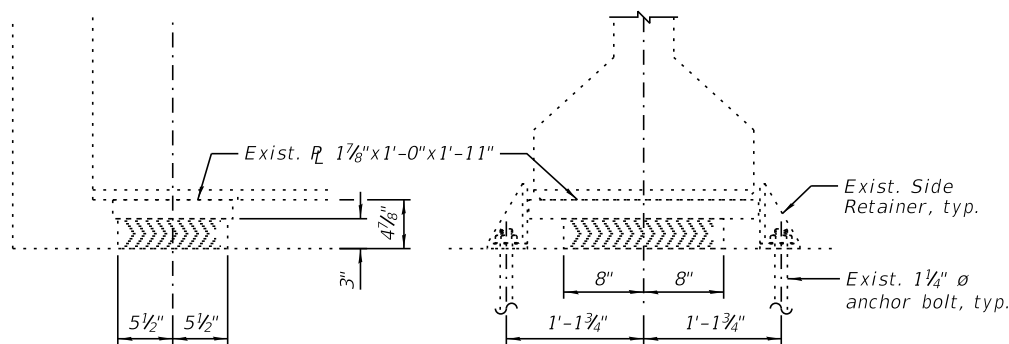


**PARTIAL FRONT ELEVATION  
NORTH END OF W. ABUT.**

(SN 050-0228)  
(Looking Southwest)

**LEGEND**

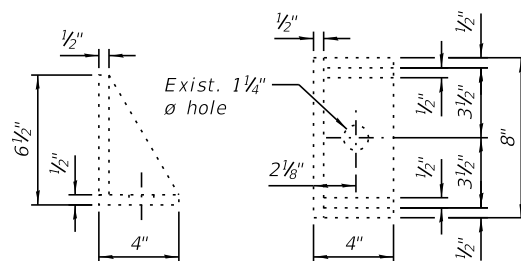
Structural Repair of Concrete (Depth  $\leq$  5 Inches)



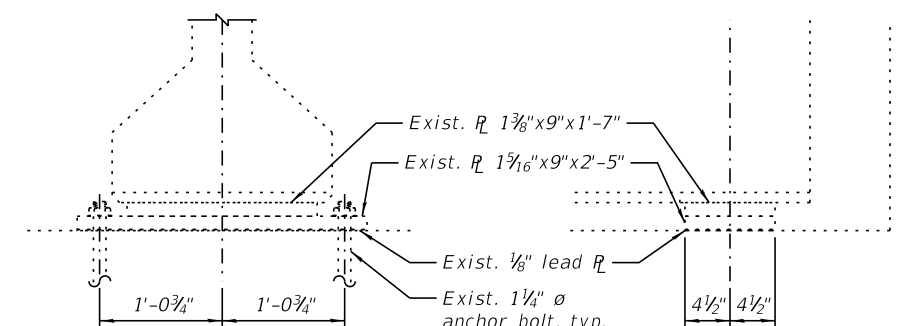
**SECTION AT W. ABUT.**

**SECTION A-A**

**EXIST. TYPE I ELASTOMERIC EXP. BRG.**



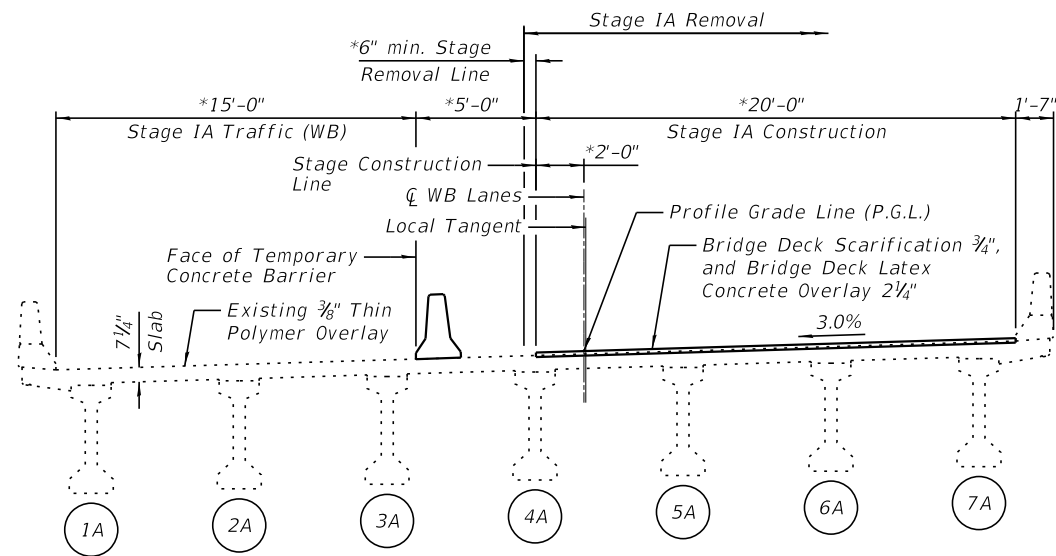
**EXIST. SIDE RETAINER**



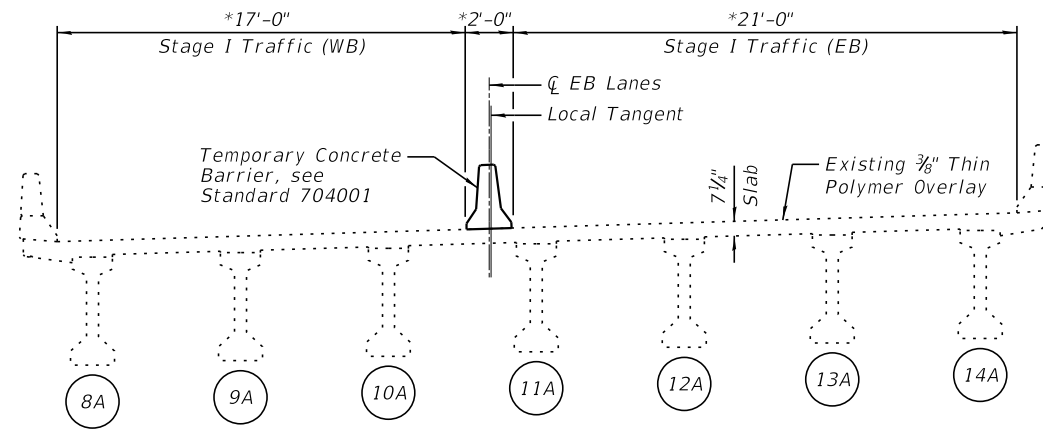
**SECTION A-A**

**SECTION AT E. ABUT.**

**EXIST. FIXED BEARING**



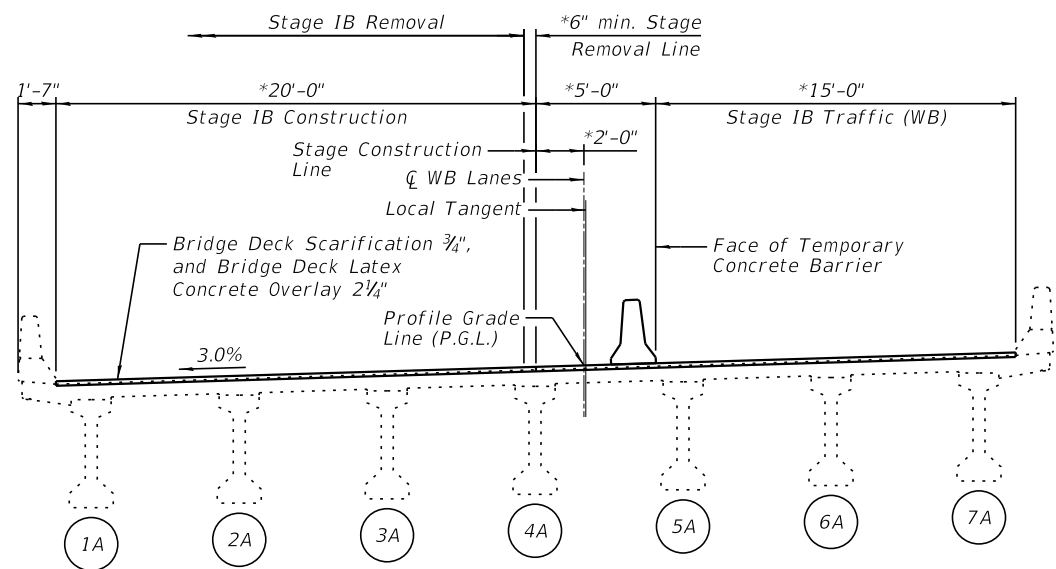
CROSS SECTION S.N. 050-0228 (WB)



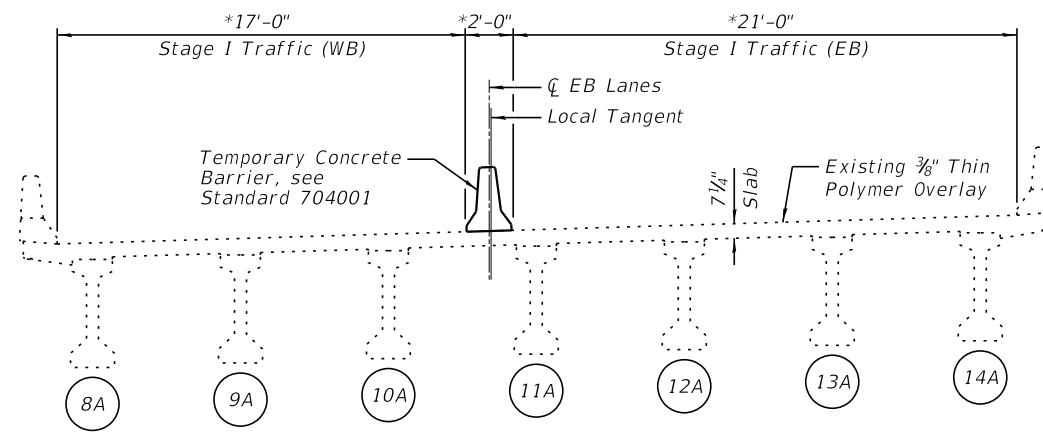
CROSS SECTION S.N. 050-0229 (EB)

**STAGE IA CONSTRUCTION**

(Looking Northeast)  
\* = Radial



CROSS SECTION S.N. 050-0228 (WB)



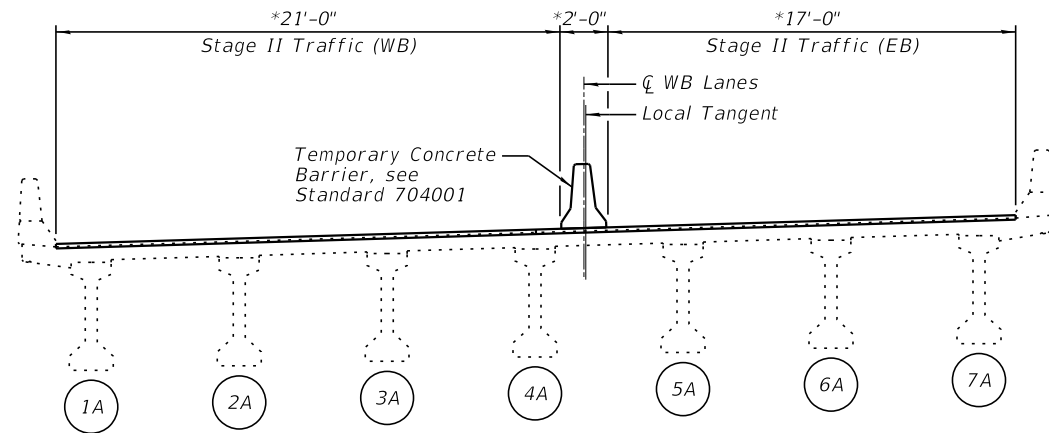
CROSS SECTION S.N. 050-0229 (EB)

**STAGE IB CONSTRUCTION**

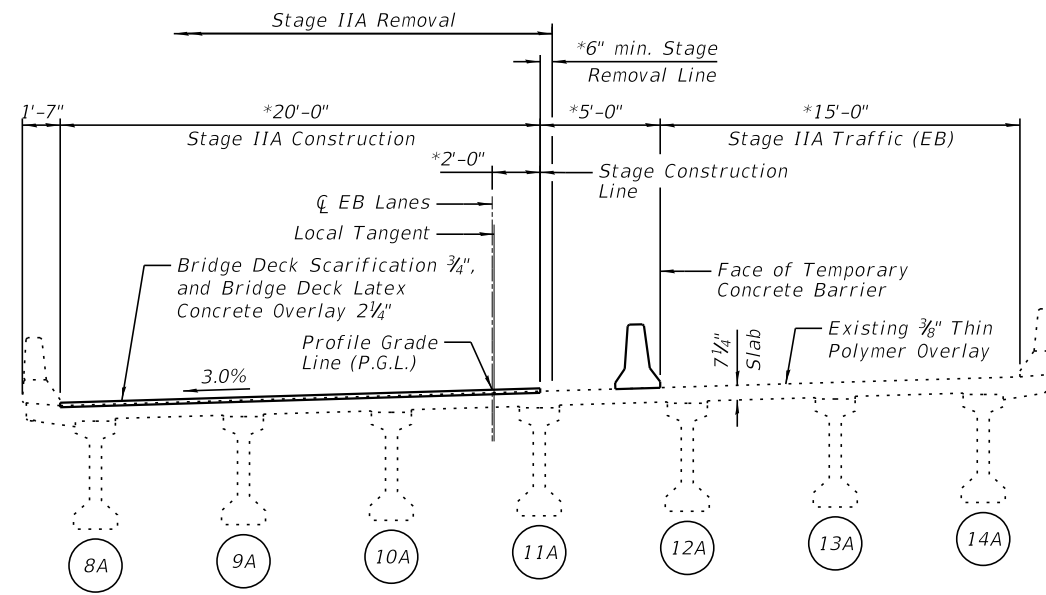
(Looking Northeast)  
\* = Radial

**NOTE:**

The main span cross section is shown here. The approach span cross sections are identical except they consist of six beams, and are supported by the abutment curtain walls.



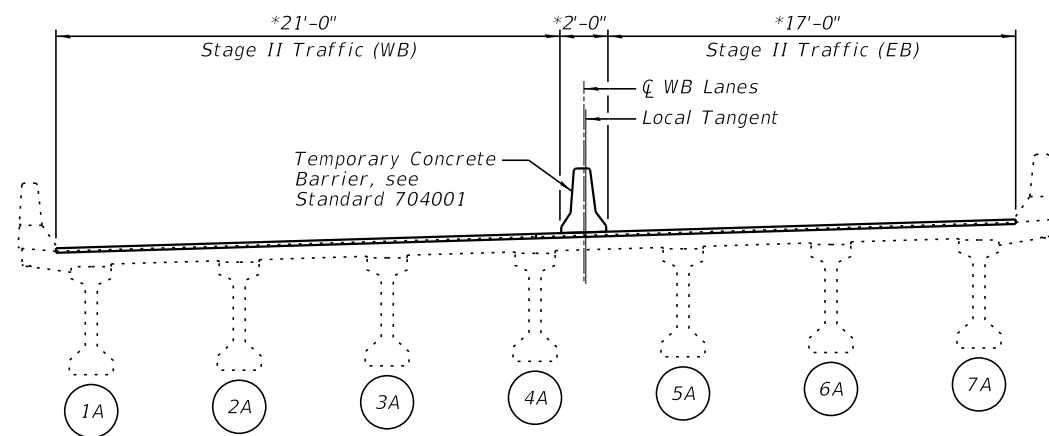
CROSS SECTION S.N. 050-0228 (WB)



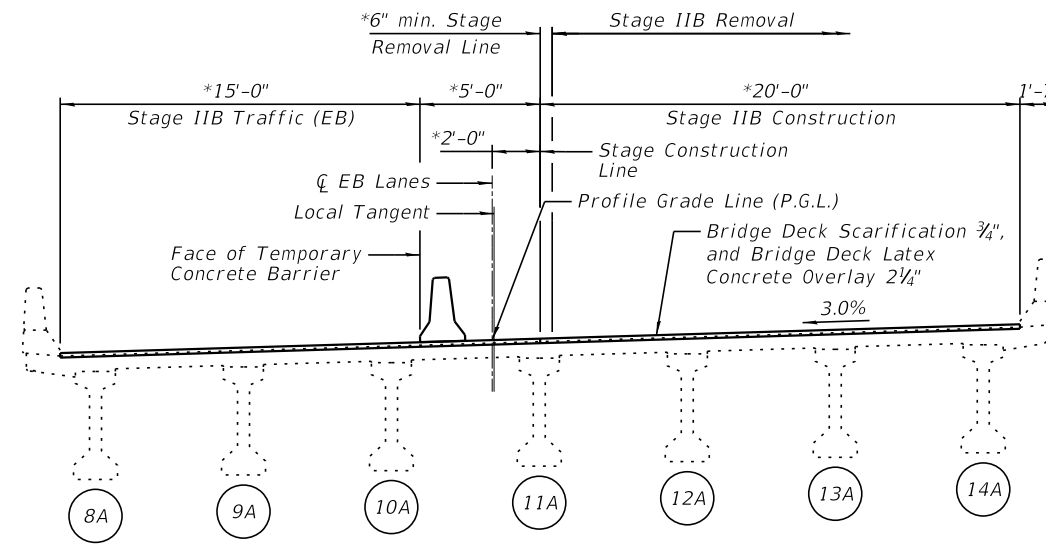
CROSS SECTION S.N. 050-0229 (EB)

**STAGE IIA CONSTRUCTION**

(Looking Northeast)  
\* = Radial



CROSS SECTION S.N. 050-0228 (WB)



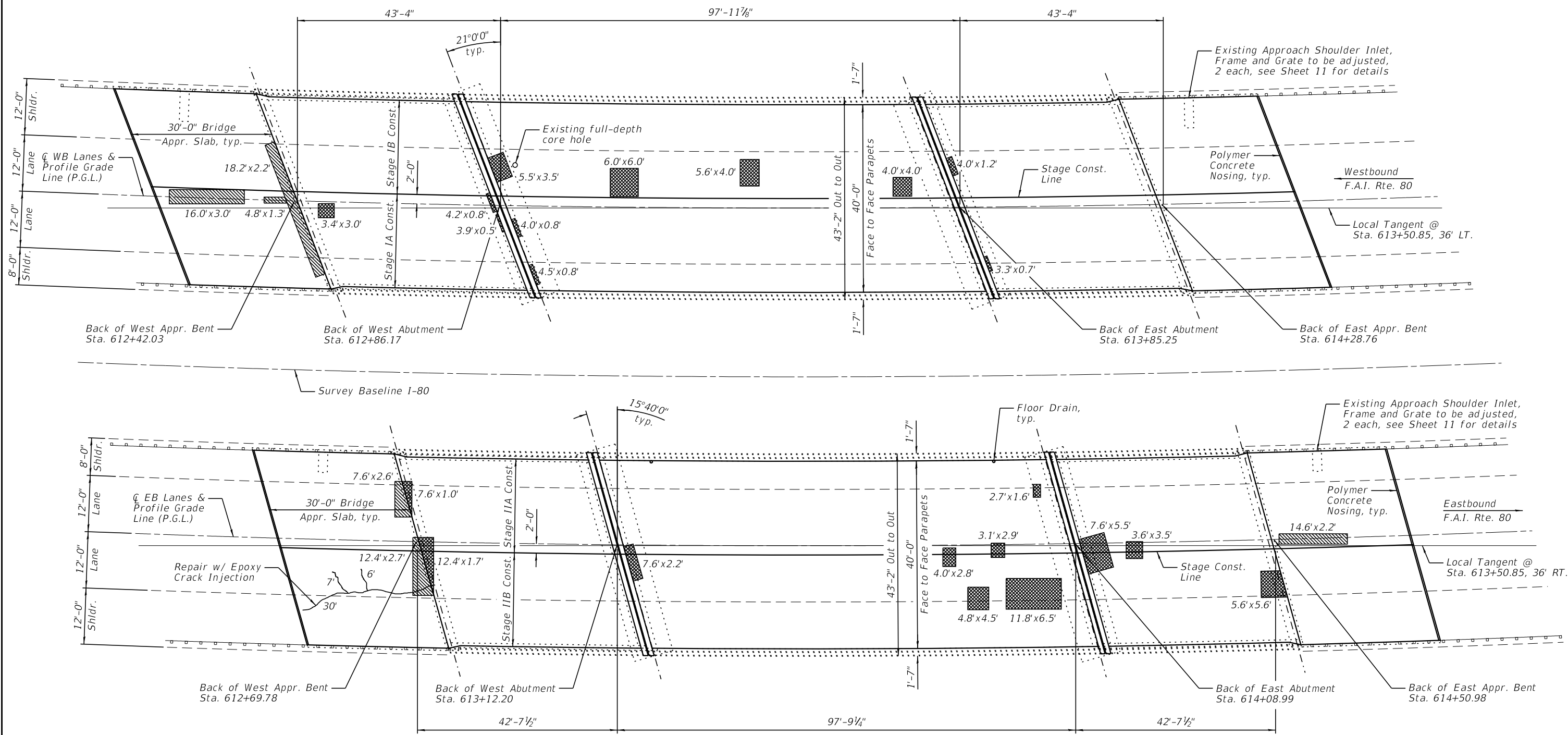
CROSS SECTION S.N. 050-0229 (EB)

**STAGE IIB CONSTRUCTION**

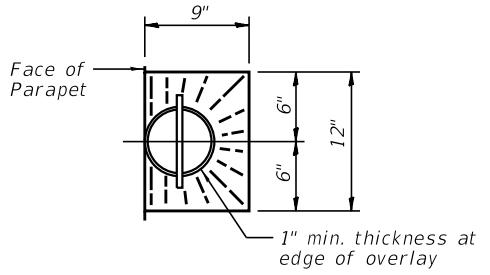
(Looking Northeast)  
\* = Radial

**NOTE:**

The main span cross section is shown here. The approach span cross sections are identical except they consist of six beams, and are supported by the abutment curtain walls.



**DECK AND APPROACH SLAB REPAIRS**



TOP PLAN AT FLOOR DRAIN

**LEGEND**

- Approach Slab Repair (Partial Depth)
- Deck Slab Repair (Partial)

**NOTES:**

- 1.) The repair areas shown are estimated based on field inspections conducted in June 2018. The actual repair areas required shall be verified according to the special provisions.
- 2.) Following bridge deck scarification, the full-depth core holes in the deck shall be filled with non-shrink grout according to Article 1024.02 of the Standard Specifications. Cost of non-shrink grout included with Bridge Deck Latex Concrete Overlay.

**BILL OF MATERIAL**

Item	Unit	Total
Epoxy Crack Injection	Foot	43
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq. Yd.	2,120
Bridge Deck Scarification 3/4"	Sq. Yd.	2,127



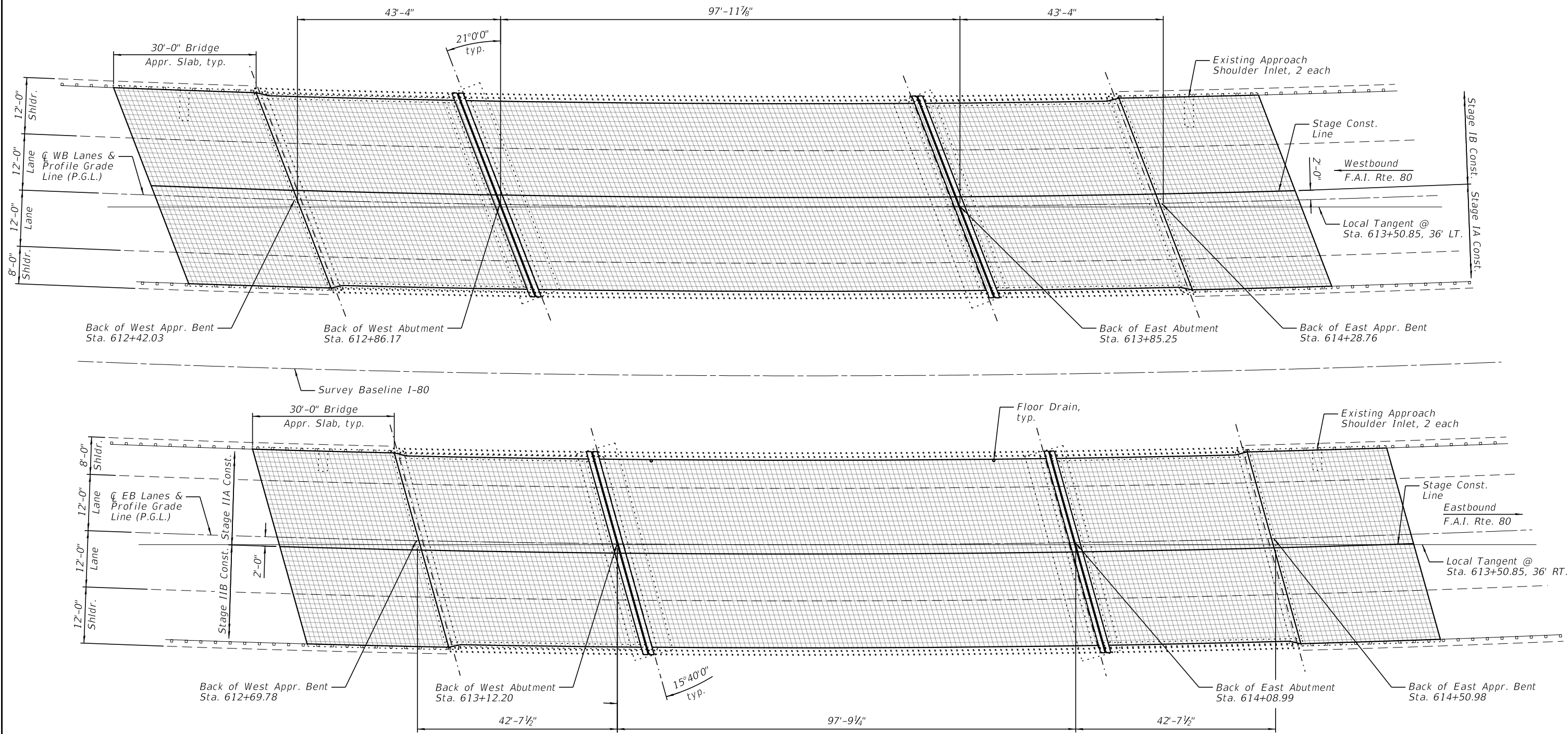
DESIGNED - IIP	REVISED
CHECKED - JCZ	REVISED
DRAWN - DJM	REVISED
CHECKED - DAH	REVISED
DATE - 10/4/2019	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

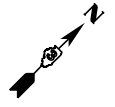
DECK & APPROACH SLAB REPAIRS  
STRUCTURE NO. 050-0228 (WB) & 050-0229 (EB)

SHEET NO. 5 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	89
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**DECK AND APPROACH SLAB REPAIRS**



**NOTES:**

- 1.) The Engineer will record the as-built deck slab and approach slab repair areas on this sheet.
- 2.) The reference grid was drawn with 1'x1' squares.

**Farnsworth GROUP**  
 2211 W. BRADLEY AVENUE  
 CHAMPAIGN, ILLINOIS 61821  
 (217) 352-7409 / info@f-w.com

DESIGNED - IIP	REVISED
CHECKED - JCZ	REVISED
DRAWN - DJM	REVISED
CHECKED - DAH	REVISED
DATE - 10/4/2019	

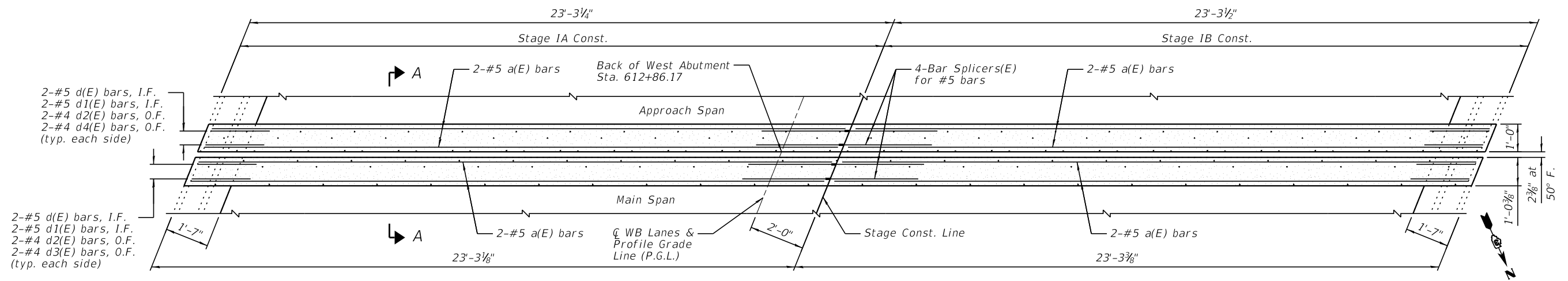
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DECK & APPROACH SLAB REPAIRS - AS BUILT  
 STRUCTURE NO. 050-0228 (WB) & 050-0229 (EB)**

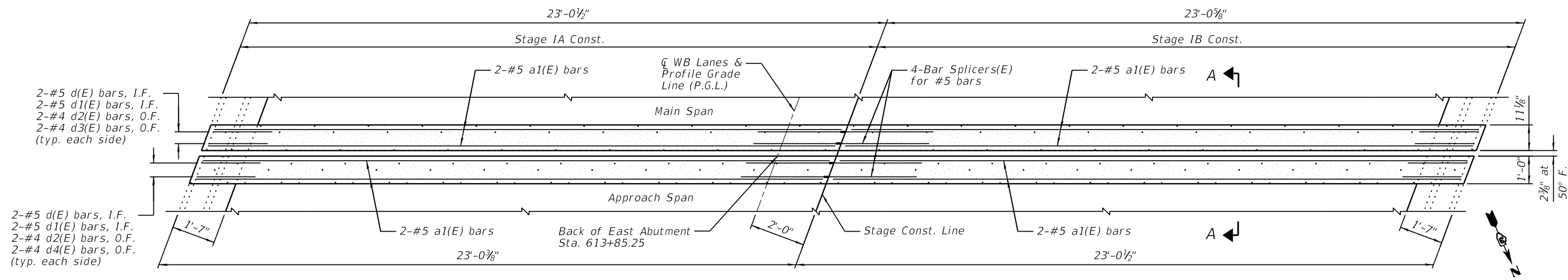
SHEET NO. 6 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	90
CONTRACT NO. 66H21				

ILLINOIS FED. AID PROJECT



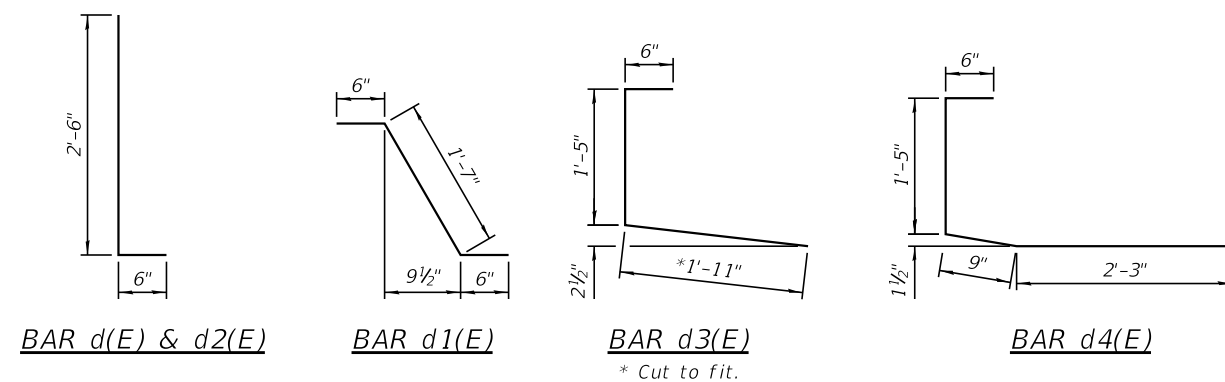
PLAN AT WEST ABUTMENT



PLAN AT EAST ABUTMENT

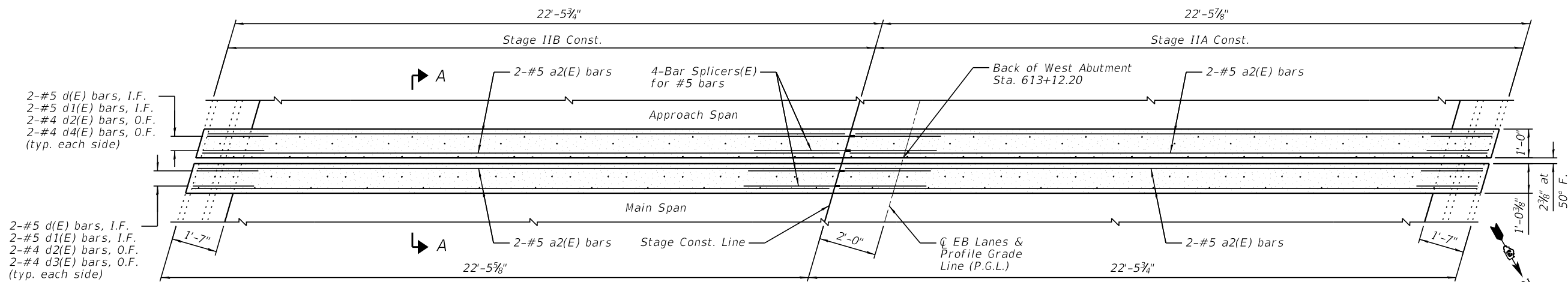
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a(E)	8	#5	22'-11"	—	
a1(E)	8	#5	22'-8"	—	
d(E)	16	#5	3'-0"	┌	
d1(E)	16	#5	2'-7"	∩	
d2(E)	16	#4	3'-0"	┌	
d3(E)	8	#4	3'-10"	┌	
d4(E)	8	#4	4'-11"	┌	
Item				Unit	Total
Concrete Removal				Cu. Yd.	4.3
Concrete Superstructure				Cu. Yd.	5.0
Protective Coat				Sq. Yd.	22
Reinforcement Bars, Epoxy Coated				Pound	550
Bar Splicers				Each	8

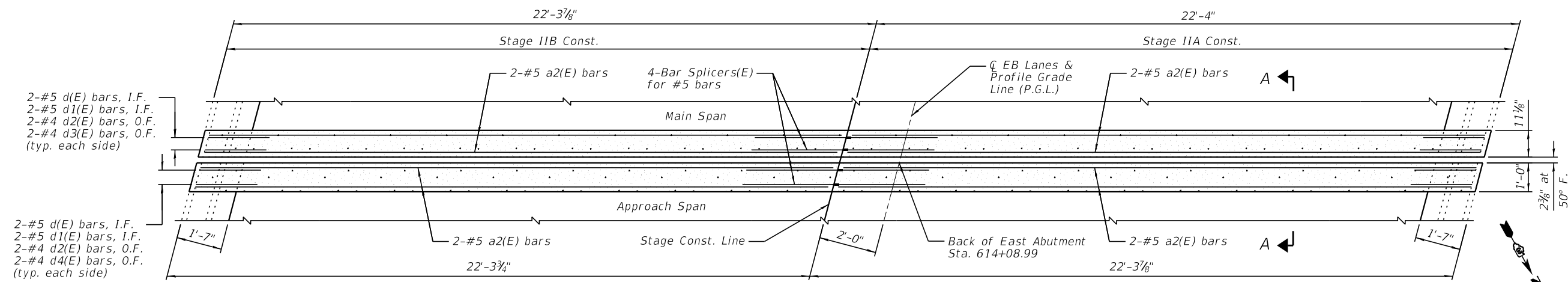


NOTE:  
See Sheet 9 for Section A-A.





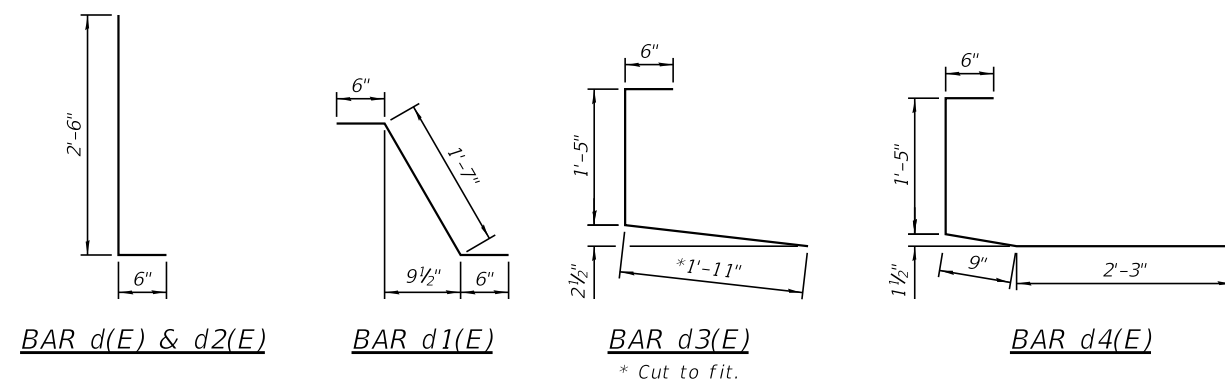
PLAN AT WEST ABUTMENT



PLAN AT EAST ABUTMENT

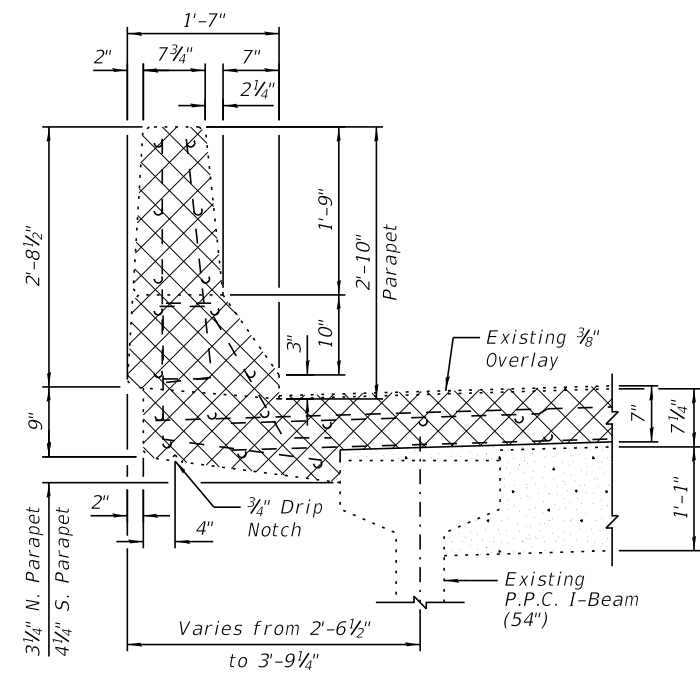
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a2(E)	16	#5	21'-11"	—	
d(E)	16	#5	3'-0"	┌	
d1(E)	16	#5	2'-7"	∩	
d2(E)	16	#4	3'-0"	┌	
d3(E)	8	#4	3'-10"	┌	
d4(E)	8	#4	4'-11"	┌	
Item				Unit	Total
Concrete Removal				Cu. Yd.	4.2
Concrete Superstructure				Cu. Yd.	4.9
Protective Coat				Sq. Yd.	22
Reinforcement Bars, Epoxy Coated				Pound	540
Bar Splicers				Each	8

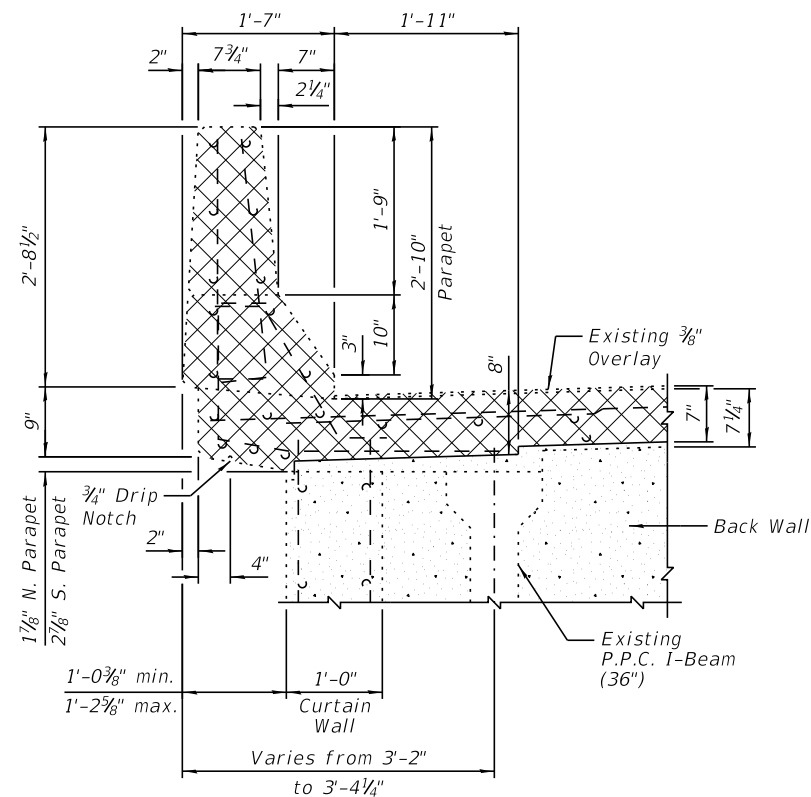


NOTE:  
See Sheet 9 for Section A-A.

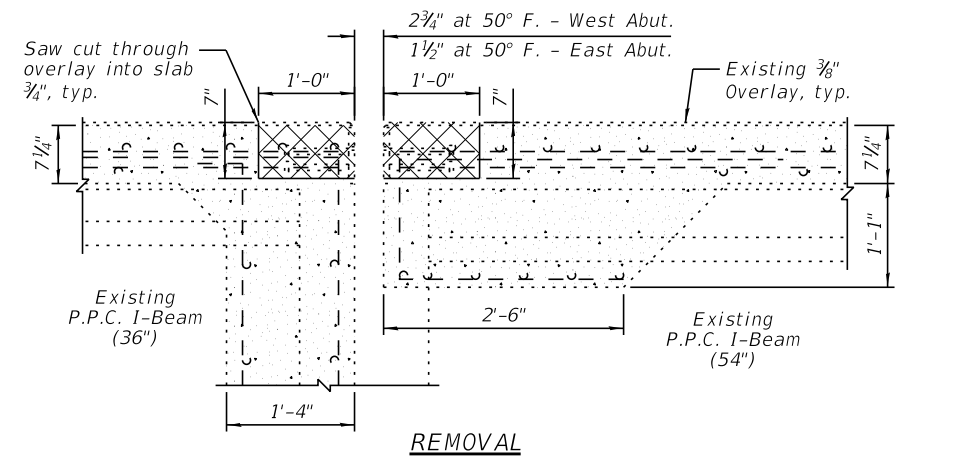




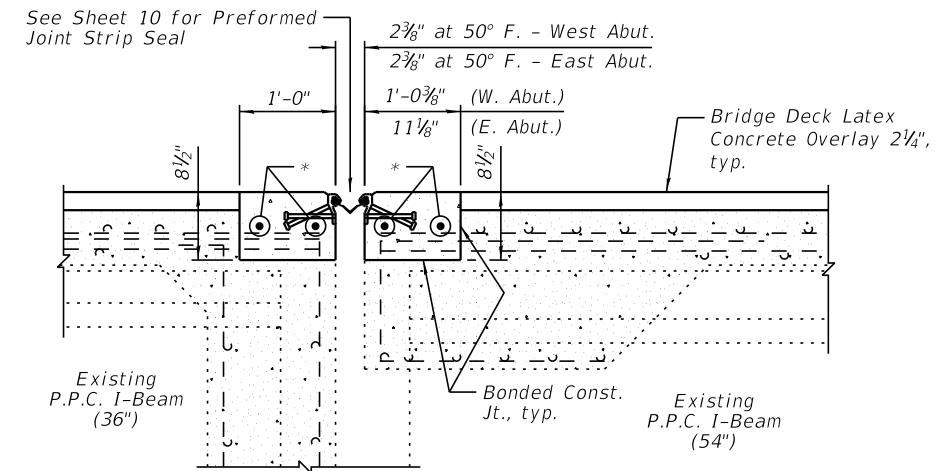
**REMOVAL SECTION THRU PARAPET - MAIN SPAN**  
(West Abutment shown)



**REMOVAL SECTION THRU PARAPET - APPROACH SPAN**



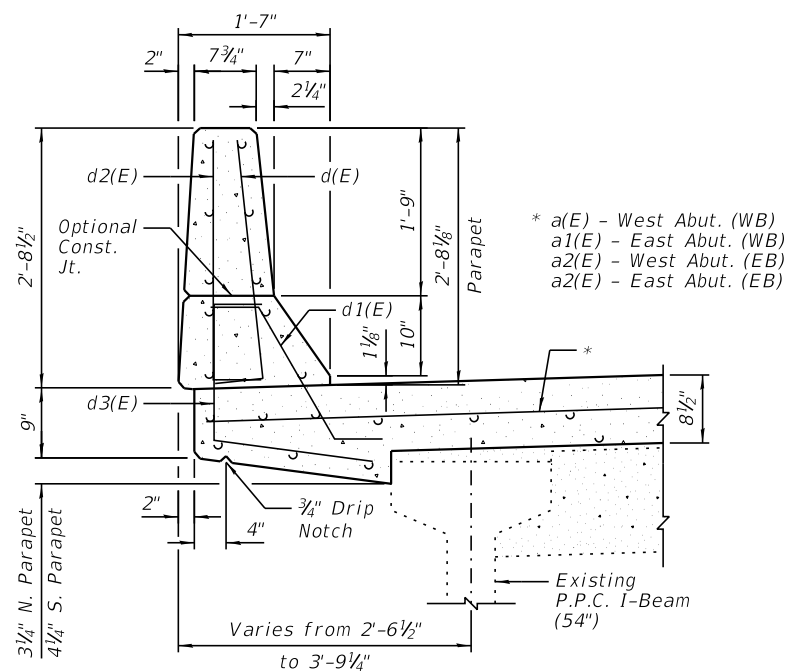
**REMOVAL**



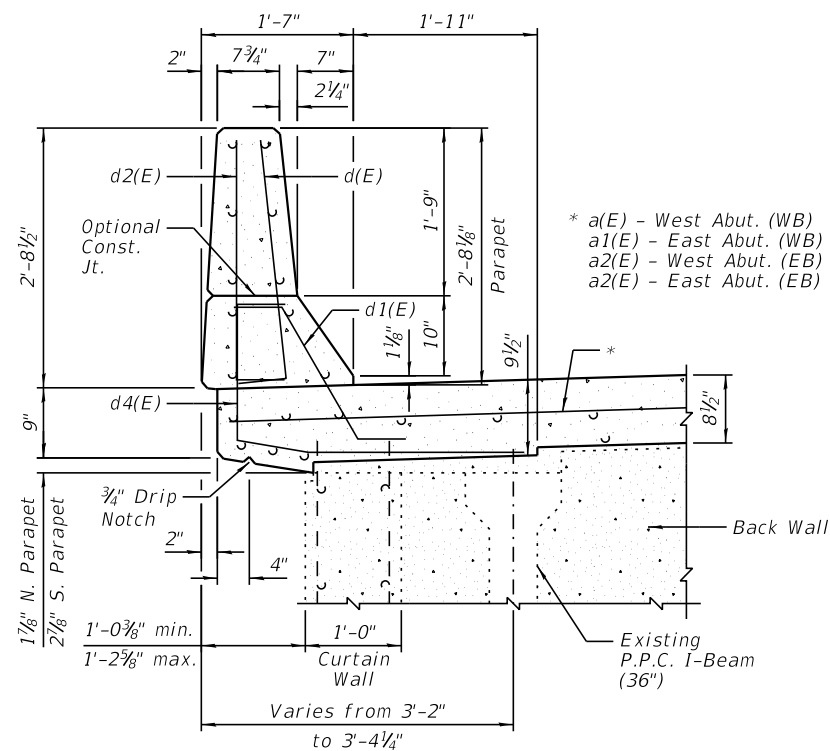
**PROPOSED**

**SECTION A-A**  
(West Abutment shown)

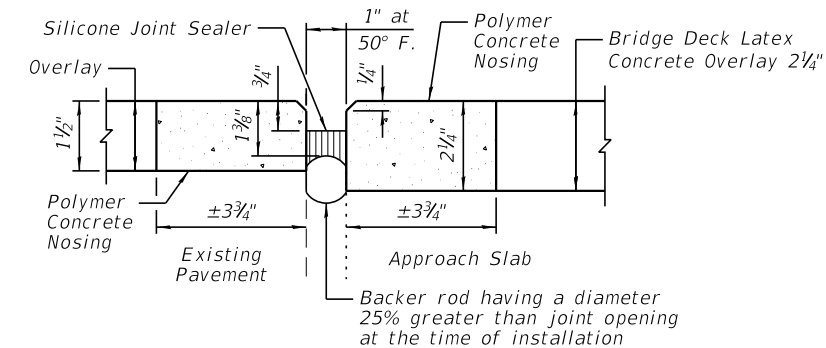
\* a(E) - West Abut. (WB)  
a1(E) - East Abut. (WB)  
a2(E) - West Abut. (EB)  
a2(E) - East Abut. (EB)



**PROPOSED SECTION THRU PARAPET - MAIN SPAN**  
(West Abutment shown)



**PROPOSED SECTION THRU PARAPET - APPROACH SPAN**



**SILICONE JOINT SEALER DETAIL - AT APPROACH SLABS**

**LEGEND**

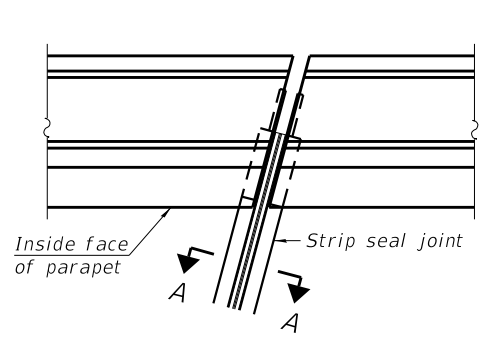
 Concrete Removal

**BILL OF MATERIAL**

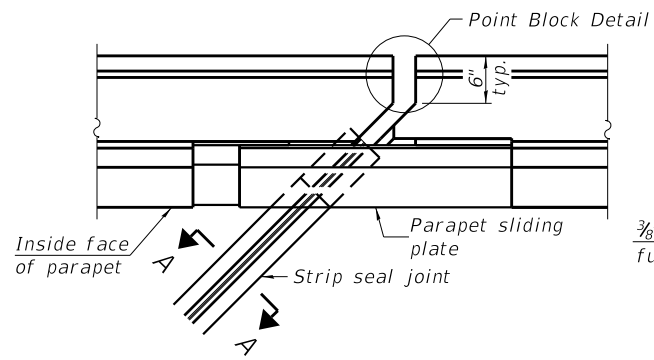
Item	Unit	Total
Silicone Joint Sealer, 1"	Foot	182
Polymer Concrete	Cu. Ft.	36

**NOTES:**

- See Sheets 7-8 for location of Section A-A.
- Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to "Concrete Removal".

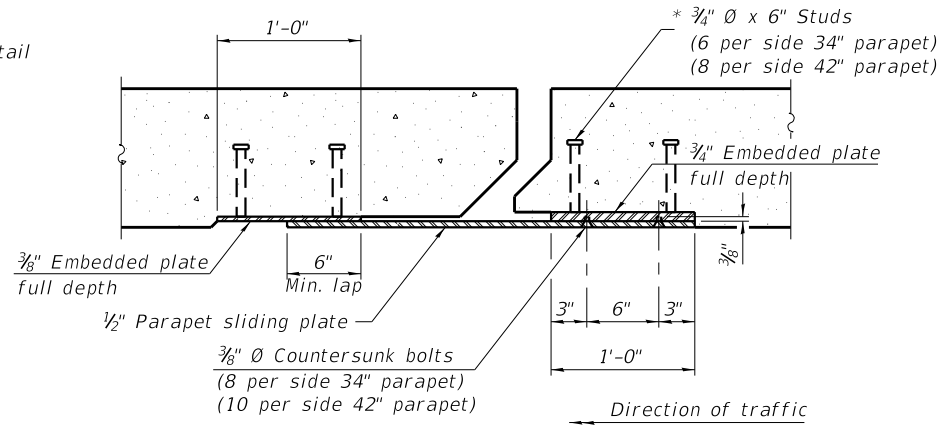


FOR SKEWS  $\leq 30^\circ$

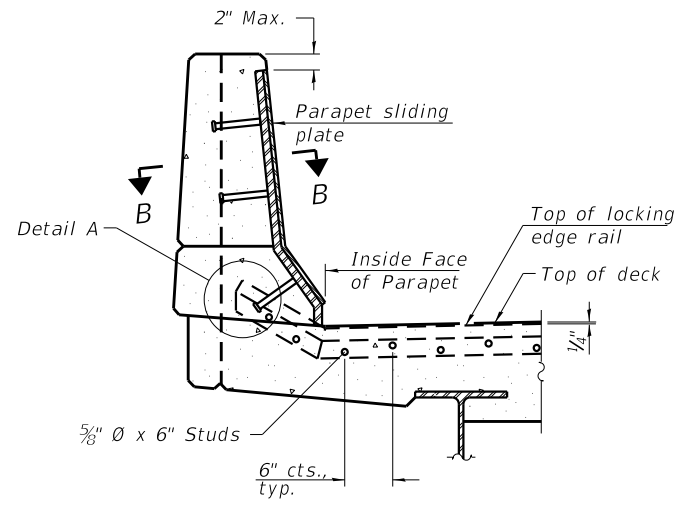


FOR SKEWS  $> 30^\circ$

PLAN AT PARAPET

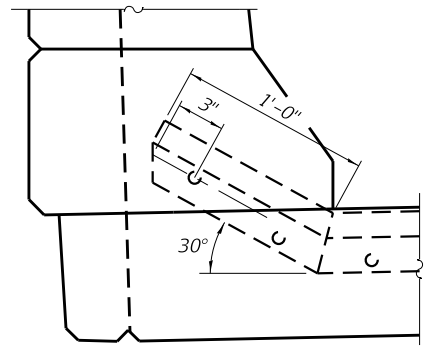


SECTION B-B

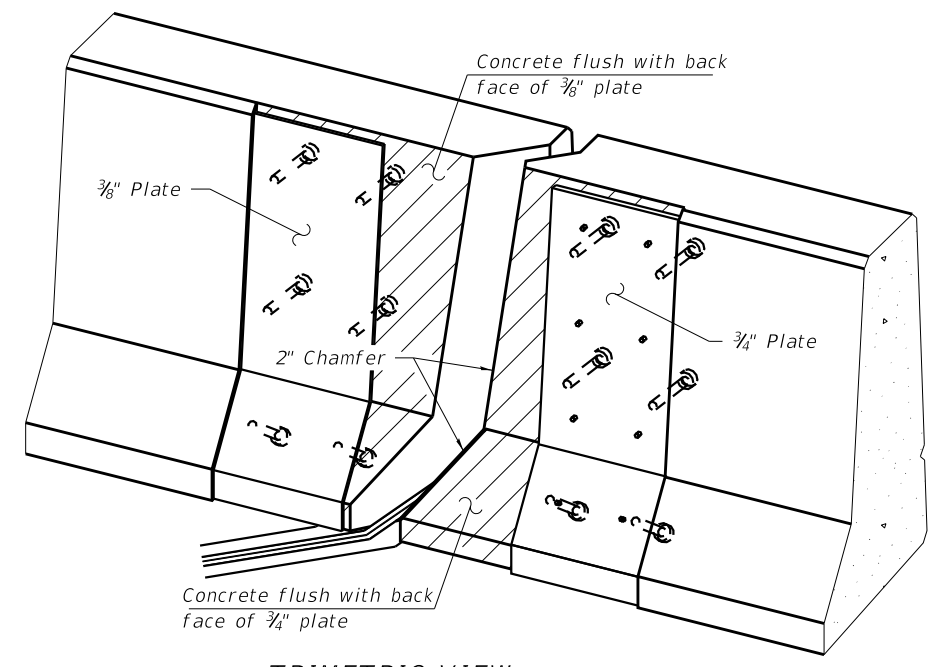


ELEVATION AT PARAPET

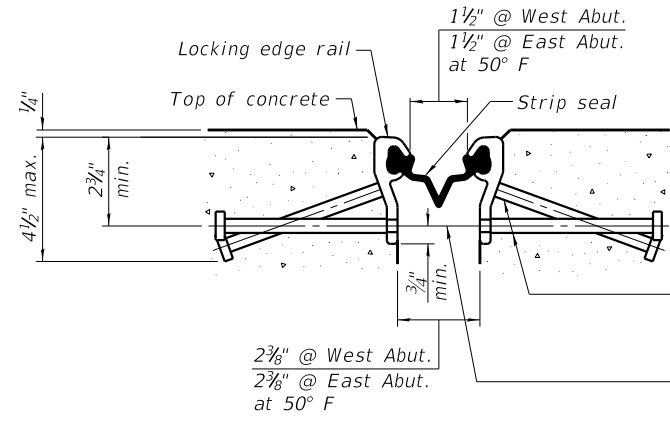
(Skews  $> 30^\circ$  shown. Skews  $\leq 30^\circ$  similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW  
(Showing embedded plates only)

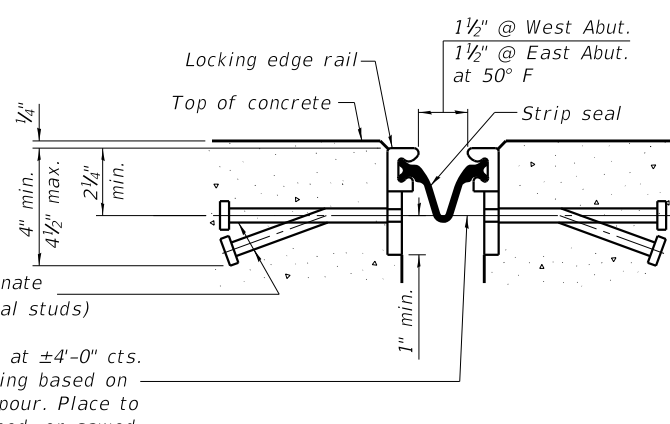


SHOWING ROLLED RAIL JOINT

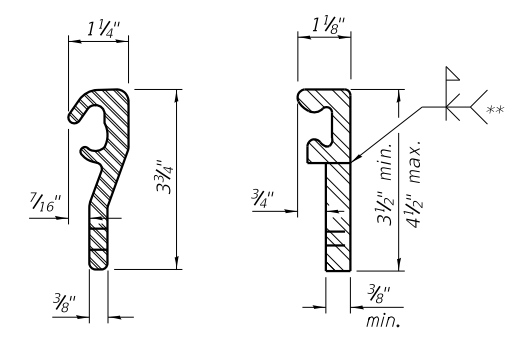
\*  $5/8"$   $\phi$  x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)  
 $3/8"$   $\phi$  threaded rods in  $7/16"$   $\phi$  holes at  $\pm 4'-0"$  cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

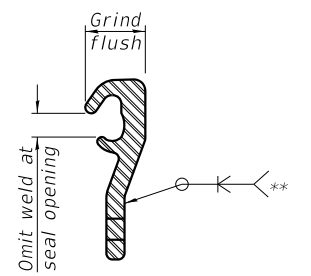


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

\*\* Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	177

EJ-SS

8-11-17



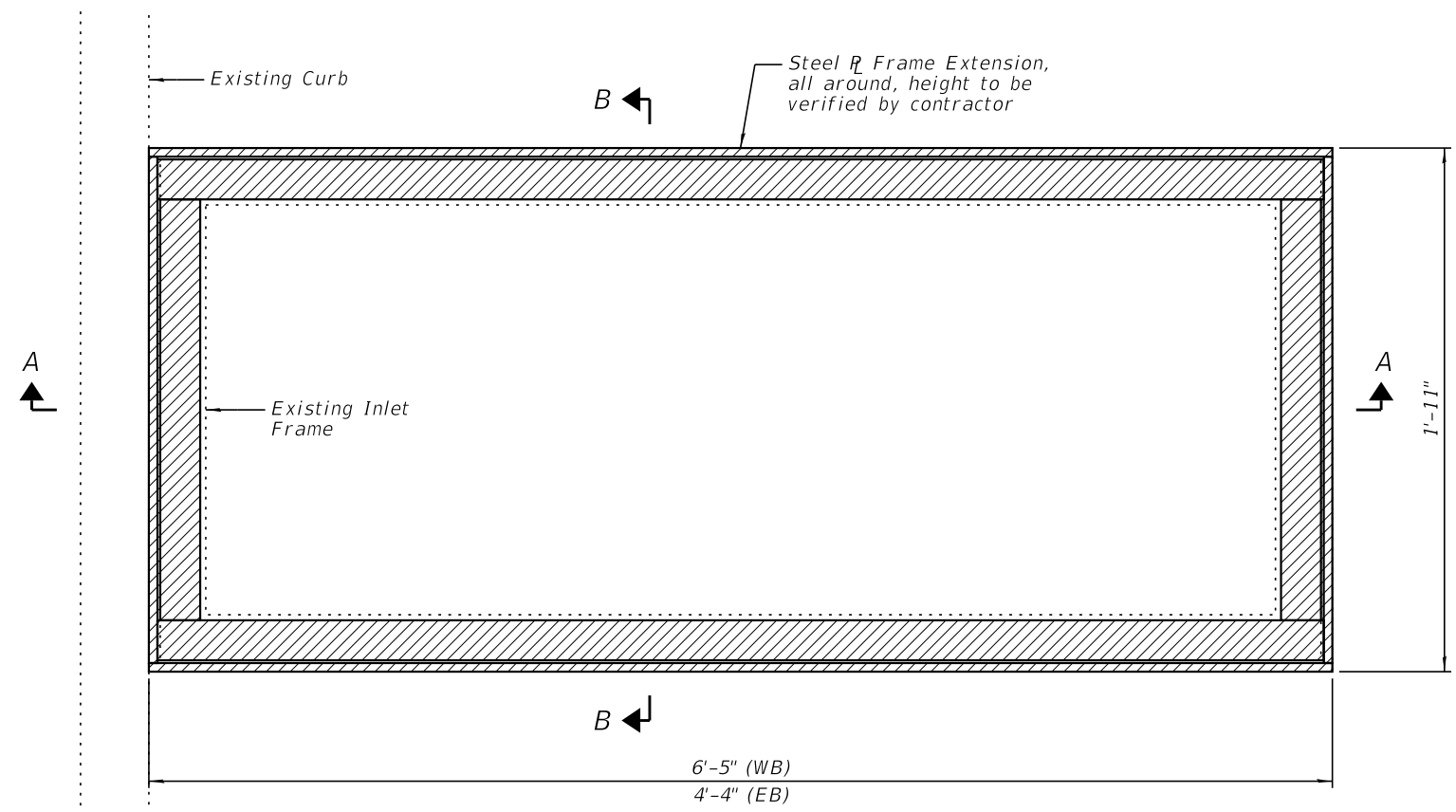
DESIGNED - IIP	REVIS
CHECKED - JCZ	REVIS
DRAWN - DJM	REVIS
CHECKED - DAH	REVIS
DATE - 10/4/2019	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

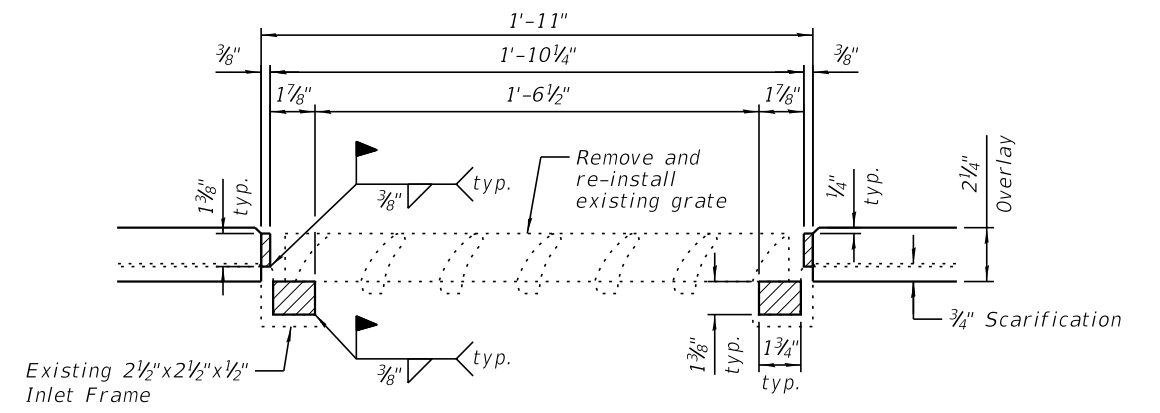
PREFORMED JOINT STRIP SEAL  
STRUCTURE NO. 050-0228 (WB) & 050-0229 (EB)

SHEET NO. 10 OF 14 SHEETS

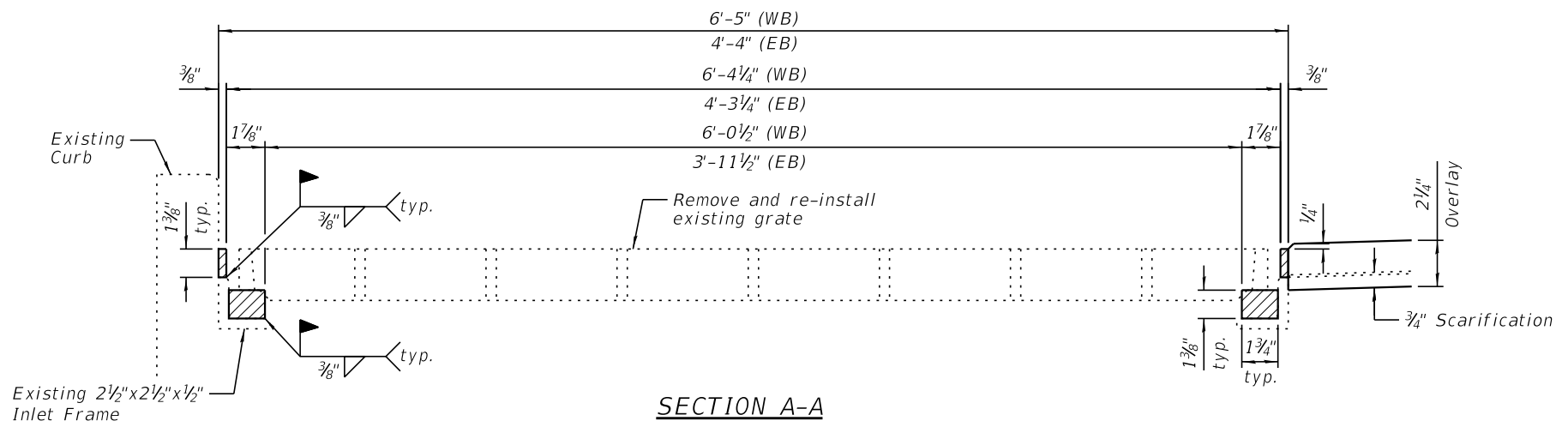
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	94
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**PLAN**  
(Existing grate not shown for clarity)



**SECTION B-B**



**SECTION A-A**



**NOTES:**

- 1.) All structural steel shall be AASHTO M270 Grade 36. The adjusting inlet ring shall be galvanized.
- 2.) Shop drawings for proposed Steel R Frame Extension shall be submitted for approval prior to fabrication.
- 3.) Contractor shall ensure that no damage is done to existing grates to be reused.
- 4.) Cost of all labor and materials necessary to remove existing grates, clean existing inlets, install Steel R Frame Extensions and reinstall grates is included in the cost per unit each for Frames and Grates to Be Adjusted.

DESIGNED - IIP	REVISED
CHECKED - JCZ	REVISED
DRAWN - DJM	REVISED
CHECKED - DAH	REVISED
DATE - 10/4/2019	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	95
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				



**ESTIMATED VOID VOLUMES FOR SLOPE WALL SLURRY PUMPING**

- 1 - 4' x 2' x 1'
- 2 - 2' x 4' x 3'
- 3 - 1.5' x 9' x 1'
- 4 - 1' x 1' x 1'
- 5 - 1' x 4' x 1'
- 6 - 1' x 4' x 1'
- 7 - 1' x 5' x 3.5'
- 8 - 1' x 8' x 1'
- 9 - 1.5' x 2' x 4'
- 10 - 2.5' x 2.5' x 0.5'

**PLAN**

**LEGEND**

- Slope Wall Crack Sealing
- Slope Wall Repair

**BILL OF MATERIAL**

Item	Unit	Total
Slope Wall Repair	Sq. Yd.	204
Slope Wall Slurry Pumping	Cu. Yd.	4.0
Slope Wall Crack Sealing	Foot	650

**NOTES:**

- 1.) Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
- 2.) The repair areas shown are estimated based on field inspections conducted in June 2018. The actual repair areas required shall be verified according to the special provisions.



**NOTE:**  
The Engineer will record the as-built slope wall repair areas on this sheet.

**Farnsworth**  
GROUP  
2211 W. BRADLEY AVENUE  
CHAMPAIGN, ILLINOIS 61821  
(217) 352-7409 / info@f-w.com

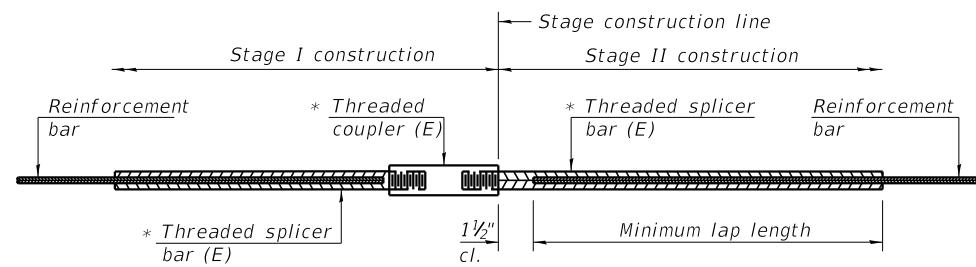
DESIGNED - IIP	REVIS
CHECKED - JCZ	REVIS
DRAWN - DJM	REVIS
CHECKED - DAH	REVIS
DATE - 10/4/2019	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SLOPE WALL REPAIR - AS BUILT**  
**STRUCTURE NO. 050-0228 (WB) & 050-0229 (EB)**

SHEET NO. 13 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	97
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

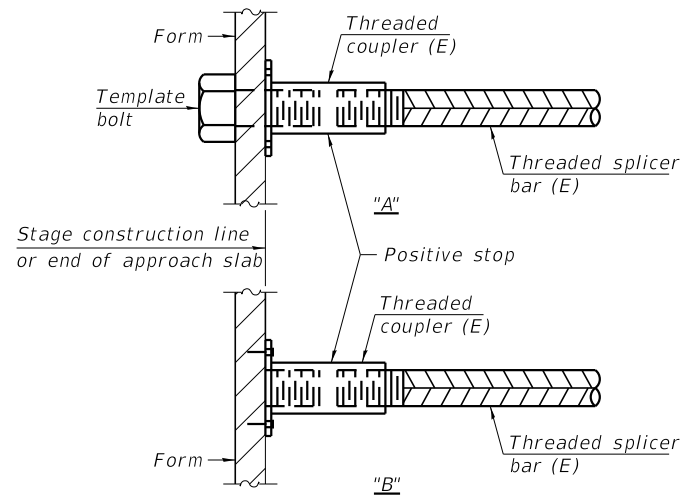


**STANDARD BAR SPLICER ASSEMBLY**

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
WB West Abut.	#5	4	3'-0"
WB East Abut.	#5	4	3'-0"
EB West Abut.	#5	4	3'-0"
EB East Abut.	#5	4	3'-0"

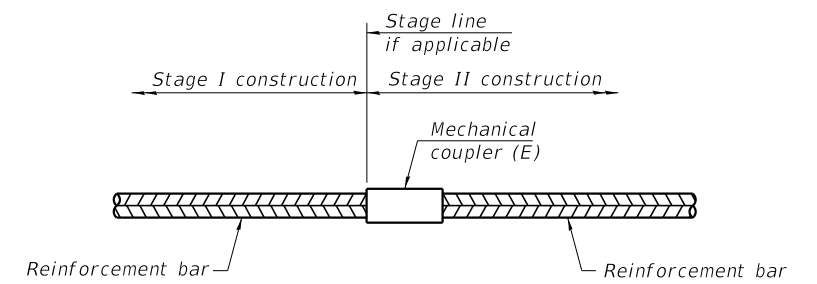


**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.

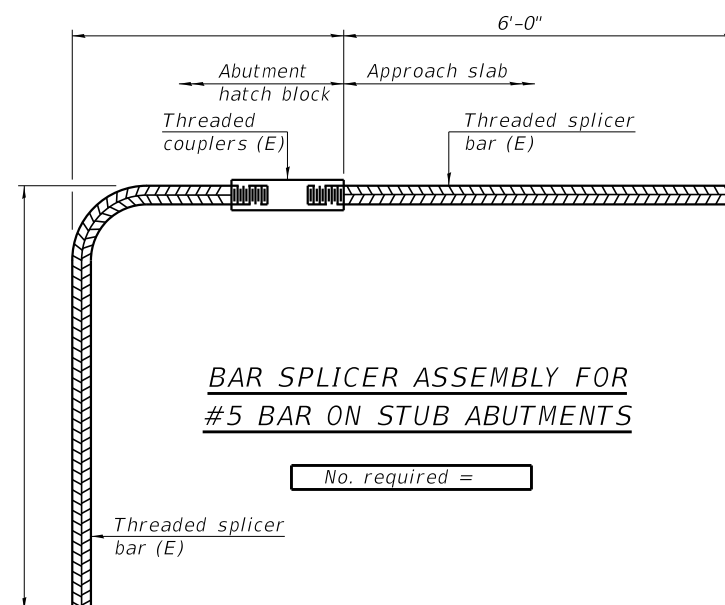
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. required =

**NOTES**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

2-17-2017



DESIGNED - IIP	REVIS
CHECKED - JCZ	REVIS
DRAWN - DJM	REVIS
CHECKED - DAH	REVIS
DATE - 10/4/2019	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
STRUCTURE NO. 050-0228 (WB) & 050-0229 (EB)

SHEET NO. 14 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(50-2)HB-2 & HBR-1	LASALLE	328	98
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

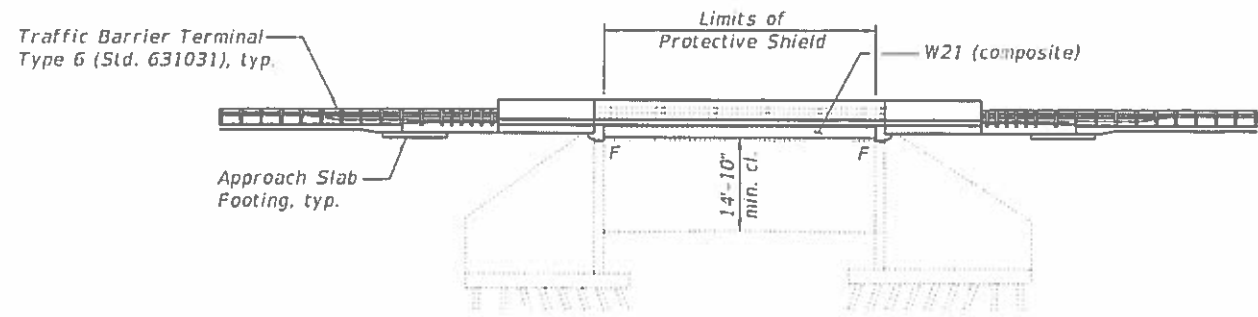
Bench Mark: Cut  $\square$  on top of west median bridge rail of SN 050-0004, I-80 Station 626+99.63, 0.42' Rt. Elev. 655.880.  
 Existing Structures: SN 050-0003 (EB) and SN 050-0004 (WB), built in 1961 as FAI Route 80, Section 50 2HB-1 at Station 627+23.50.  
 Significant rehabilitation to these structures included longitudinal joint closure in 1996 and placement of a concrete overlay in 2003.  
 The existing dual structures are single span reinforced concrete tee beam superstructures supported on closed abutments restrained top and bottom, 45'-3" back to back abutments, 44'-4" out to out deck with a 43'-09"-40" left ahead skew. Concrete superstructure to be removed and replaced using Stage Construction, while maintaining one lane of thru traffic in each direction at all times, plus additional lane for ramp traffic only.  
 No Salvage.

**SCOPE OF WORK**

1. Remove and replace existing superstructure and approach slabs utilizing stage construction, while providing protective shield over live traffic.
2. Removal of existing superstructure and erection of new steel framing shall be sequenced, as shown, to provide sufficient lateral support of existing abutment walls.
3. Perform concrete repairs to each abutment as required.

**INDEX OF SHEETS**

1. General Plan and Elevation
2. General Data
- 3-5. Stage Construction Details
6. Temporary Concrete Barrier for Stage Construction
- 7-9. Top of Slab Elevations
- 10-11. Top of Approach Slab Elevations
- 12-13. Superstructure
14. Superstructure Details
- 15-16. Concrete Diaphragm Details
- 17-19. Bridge Approach Slab Details
20. Concrete Parapet Slipforming Option
21. Framing Plan
22. Steel Details
- 23-26. Abutment Repair Details
27. Bar Splicer Assembly and Mechanical Splicer Details



**APPROVED**  
 For Structural Adequacy Only

*Michael T. Haley*  
 Engineer of Bridges & Structures

**LOADING HL-93**

(New Construction)  
 Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**

(New Construction)  
 2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**DESIGN STRESSES**

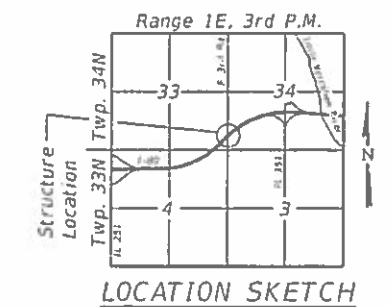
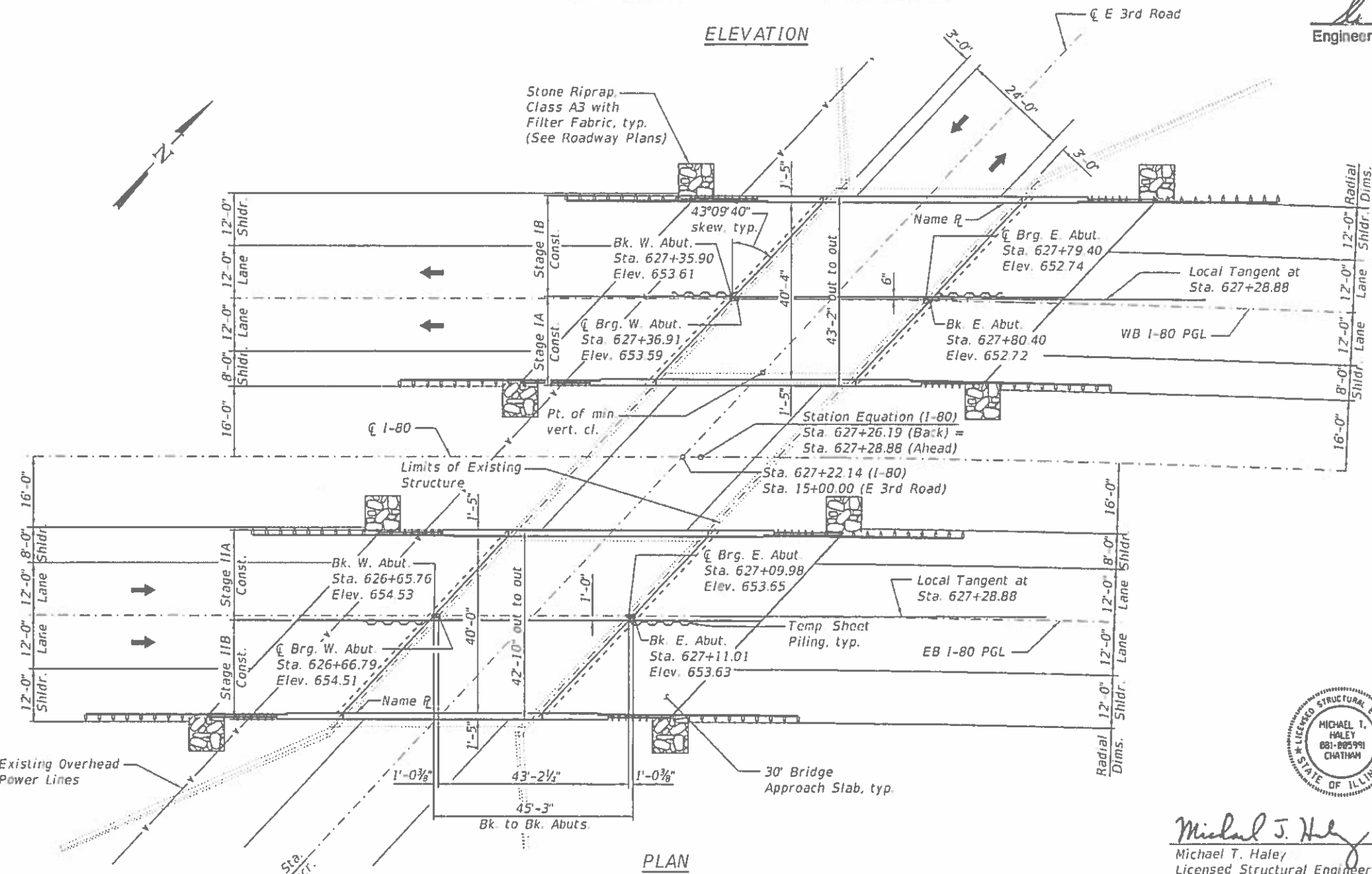
**FIELD UNITS (New Construction)**  
 $f_c = 3,500$  psi  
 $f'_c = 4,000$  psi (Superstructure Concrete)  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)

**FIELD UNITS (Exist. Construction)**  
 $f_c = 3,500$  psi  
 $f_s = 20,000$  psi (Reinforcement)

**SEISMIC DATA**

(Existing Substructure)  
 Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.038g  
 Site Coefficient (S) = 1.0

**ELEVATION**



*Michael T. Haley* 10-2-2019  
 Michael T. Haley  
 Licensed Structural Engineer  
 State of Illinois No. 081-005991  
 Expires 11/30/2020

**GENERAL PLAN & ELEVATION**  
**I-80 OVER E 3RD ROAD (MS 6100A)**  
**F.A.I. RTE. 80 - SEC. (50-2)HBR-1**  
**LASALLE COUNTY**  
**STATION 627+22.14**  
**STRUCTURE NO. 050-0003 (EB)**  
**STRUCTURE NO. 050-0004 (WB)**

MODEL: Default  
 FILE NAME: E:\1609-20\Struct\1\Inet Design\CADD\CADD Sheets\0500030004-66H21-001-GPE.dgn

**LI ENGINEERING, LTD.**  
 Consulting Engineers  
 Surveyed

USCR NAME	DESIGNED - AML	REVISIONS
PLDT SCALE	CHECKED - MTH	REVISIONS
PLDT DATE - 10/04/2019	DRAWN - DAS	REVISIONS
	CHECKED - MTH	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 27 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60	(5)-2)HBR-1	LASALLE	328	99
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. Ø, holes 15/16 in. Ø, unless otherwise noted.
- Calculated weight of Structural Steel = 6,890 lbs. (M270, Grade 36) = 51,520 lbs. (M270, Grade 50)
- No field welding is permitted except as specified in the contract documents.
- 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.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Green, Munsell No. 7.5G 4/8.
- The Contractor shall resurvey the E 3rd Road vertical clearance following the superstructure replacement. This work will not be paid for separately, but shall be included with the contract lump sum price for "Construction Layout".
- The finishing machine rails shall be placed on the top flange of the exterior beams.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures No. 3	Each	1	-	1
Removal of Existing Superstructures No. 4	Each	1	-	1
Concrete Removal	Cu. Yd.	-	0.6	0.6
Protective Shield	Sq. Yd.	394	-	394
Structure Excavation	Cu. Yd.	-	57	57
Concrete Structures	Cu. Yd.	-	71.5	71.5
Concrete Superstructure	Cu. Yd.	194.4	-	194.4
Bridge Deck Grooving	Sq. Yd.	846	-	846
Protective Coat	Sq. Yd.	1100	-	1100
Concrete Superstructure (Approach Slab)	Cu. Yd.	234.6	-	234.6
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	3840	-	3840
Reinforcement Bars, Epoxy Coated	Pound	121520	12800	134320
Bar Splicers	Each	582	160	742
Name Plates	Each	2	-	2
Anchor Bolts, 1"	Each	110	-	110
Temporary Sheet Piling	Sq. Ft.	-	112	112
Epoxy Crack Injection	Foot	-	196	196
Granular Backfill for Structures	Cu. Yd.	-	47	47
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	-	65	65

STATION 627+22.14  
RE-BUILT 20 BY  
STATE OF ILLINOIS  
F.A.I. RT. 80 SEC.(50-2)HBR-1  
LOADING HL-93  
STRUCTURE NO. 050-0003

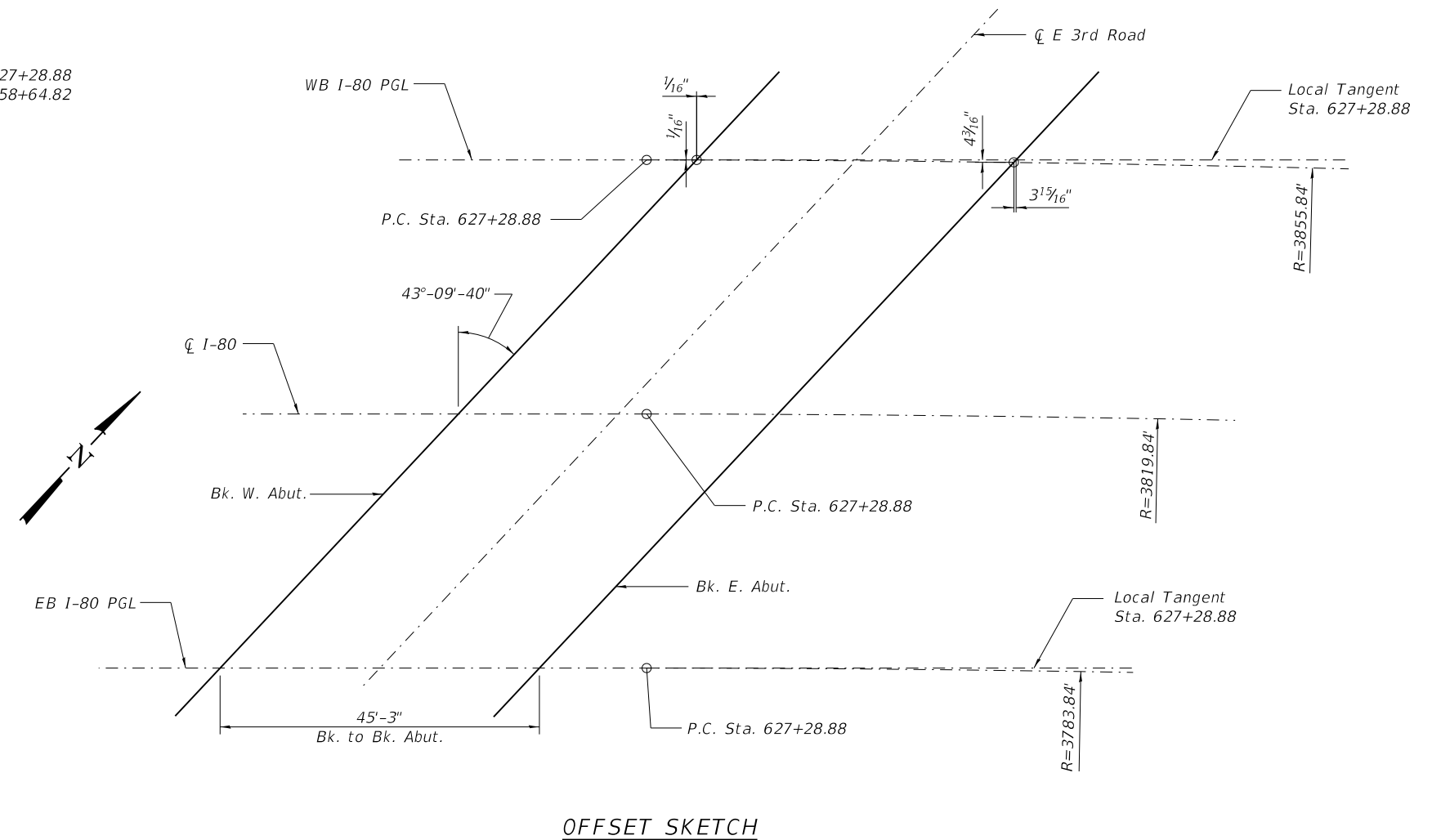
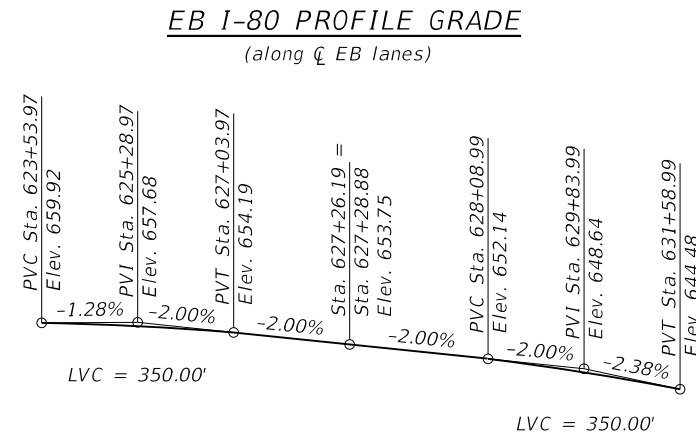
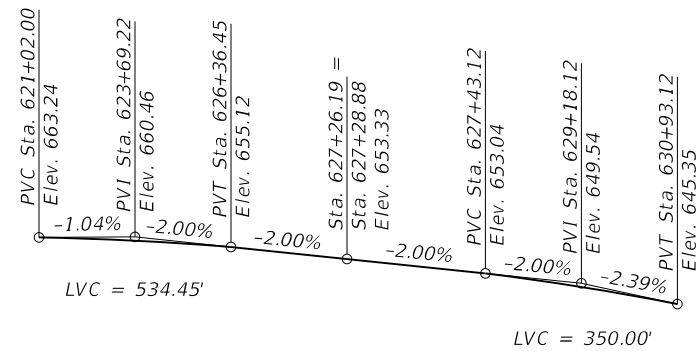
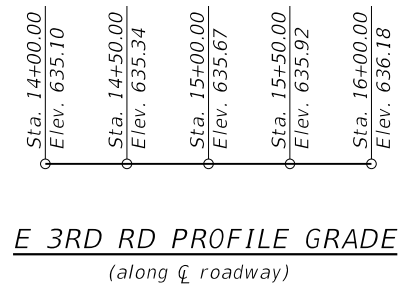
STATION 627+22.14  
RE-BUILT 20 BY  
STATE OF ILLINOIS  
F.A.I. RT. 80 SEC.(50-2)HBR-1  
LOADING HL-93  
STRUCTURE NO. 050-0004

**NAME PLATES**

See Std. 515001  
Existing Name Plates shall be cleaned and relocated next to new Name Plates. Cost included with Name Plates.

**I-80 CURVE DATA**

(Exist. Curve 80-SEC50-2\_8)  
P.I. Sta. = 643+91.28  
Δ = 47°-02'-15" (Rt)  
D = 1°-30'-00"  
R = 3,819.84'  
T = 1,662.40'  
L = 3,135.93'  
E = 346.06'  
P.C. Sta. = 627+28.88  
P.T. Sta. = 658+64.82



MODEL: Default  
FILE NAME: EX:1609-20\Struct\Final Design\CADD\Sheets\05000030004-66H21-002-General Data.dgn

<b>LE</b> LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME =	DESIGNED - AML	REVISED -
	PLOT SCALE =	CHECKED - MTH	REVISED -
	PLOT DATE = 10/04/2019	DRAWN - DAS	REVISED -
		CHECKED - MTH	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
STRUCTURE NOS. 050-0003 & 050-0004**

F.A.I. RTE. 80	SECTION (50-2)HBR-1	COUNTY LASALLE	TOTAL SHEETS 328	SHEET NO. 100
CONTRACT NO. 66H21				
ILLINOIS FED. AID PROJECT				