

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

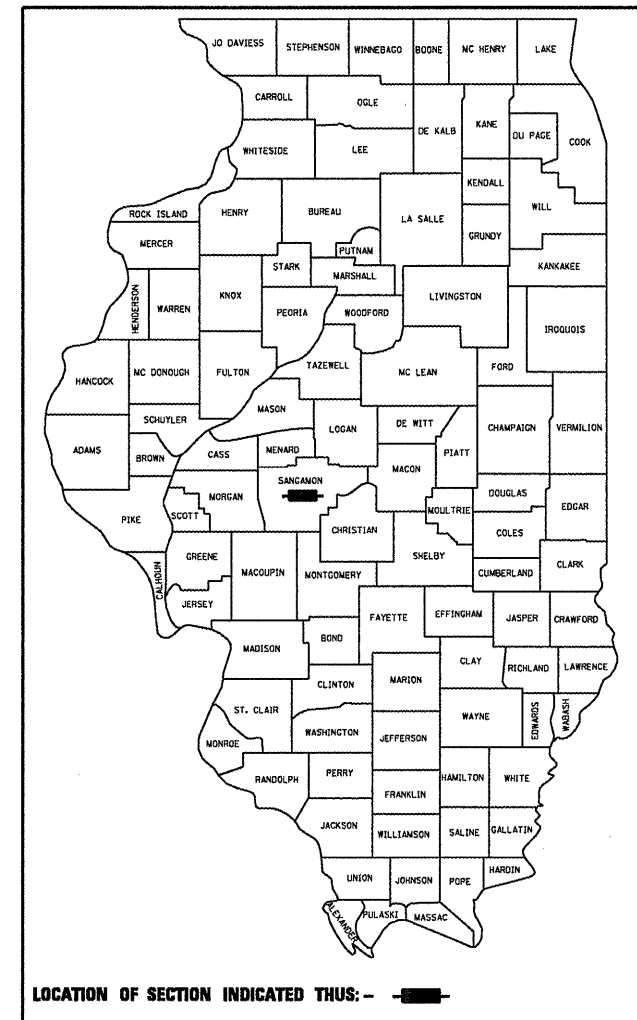
PROPOSED
HIGHWAY PLANS

FAP ROUTE 667 (IL 29)
SECTION 79Z(RS-4)
SANGAMON COUNTY

C-96-131-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	79Z(RS-4)	SANGAMON	43	1
		ILLINOIS	CONTRACT NO. 72909	

D-96-538-04

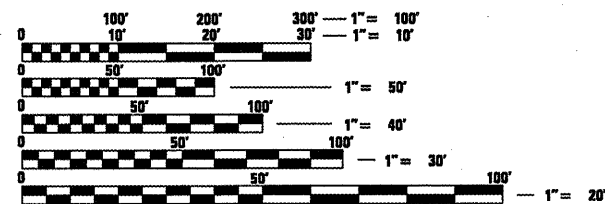


INDEX OF SHEETS

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HIGHWAY STANDARDS

- 000001-05
- 442201-03
- 701602-04
- 701606-06
- 701701-06
- 701801-04
- 701901-01
- 873001-02
- 886001-01
- 886006-01

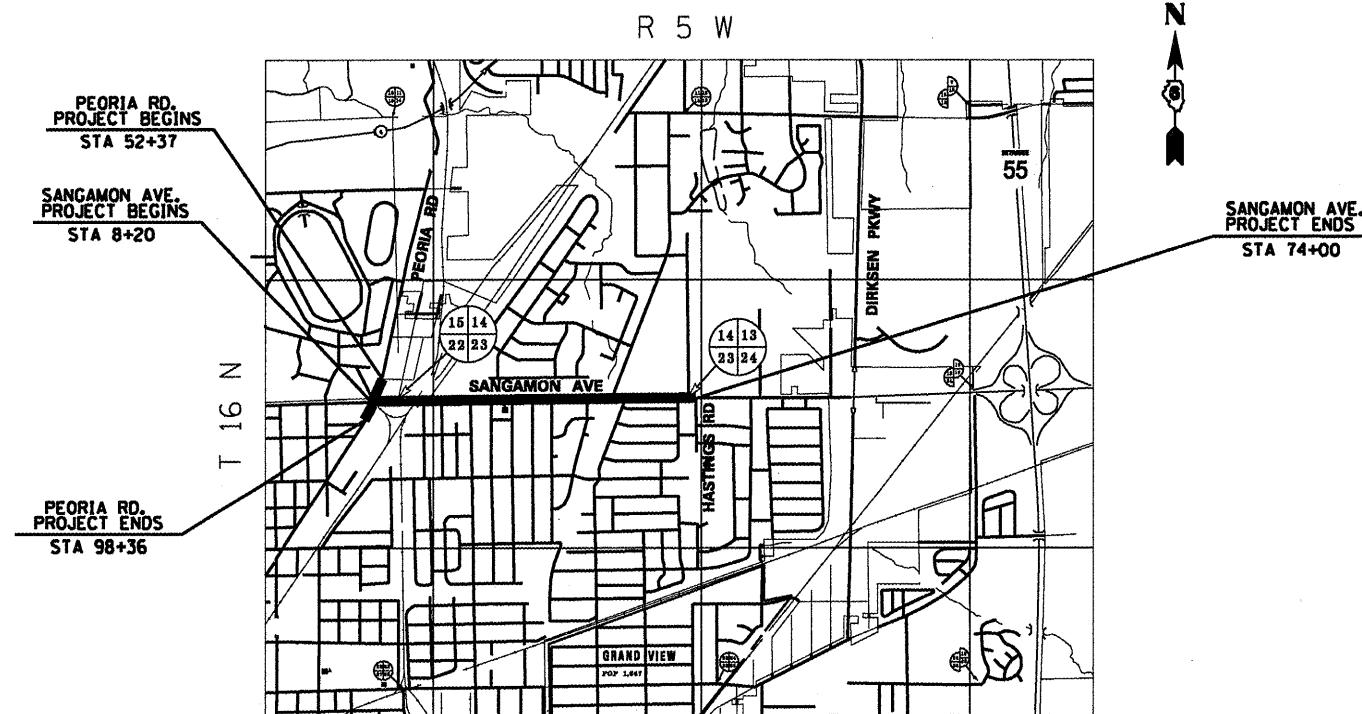


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER SAL MADONIA 217-782-4761
 TEAM ENGINEER BRIAN LANINGHAM 217-524-0472

CONTRACT NO. 72909



LOCATION MAP



SCALE

GROSS LENGTH = 6580 FT. = 1.246 MILE
 NET LENGTH = 6580 FT. = 1.246 MILE

ADT = 20,160 (2008) - 8% TRUCKS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 23 20 10
Roy Z Omsky
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 20 10
Scott E. Stitt, P.E., LE
 acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 20 10
Christine M. Reed, LE
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:
 BITUMINOUS MATERIALS (PRIME COAT) 0.00038 TON/SQ. YD. (ON PAVEMENT)
 BITUMINOUS MATERIALS (PRIME COAT) 0.001425 TON/SQ.YD. (ON AGG)
 AGGREGATE PRIME COAT 0.002 TON/SQ. YD.
 BITUMINOUS CONCRETE SURFACE 0.056 TON/SQ. YD. PER 1"
 AGGREGATE MATERIAL 2.05 TON/CU. YD.
9. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
10. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
11. LIMITS OF CONSTRUCTION ALONG SIDE ROADS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER BEFORE WORK BEGINS. LIMITS MAY BE ADJUSTED FROM PROPOSED PLAN LAYOUT IF ENGINEER DEEMS NECESSARY.
12. EXISTING MANHOLES AND INLET FRAMES & LIDS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED WITH NEW FRAMES AND LIDS AT THE CONTRACTOR'S EXPENSE.
13. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS, PHONE (217) 782-7314.
14. PRIOR TO THE START OF RESURFACING OPERATIONS, THE CONTRACTOR, IN THE PRESENCE OF THE ENGINEER, SHALL MEASURE AND DOCUMENT THE EXISTING VERTICAL CLEARANCE AT THE RAILROAD STRUCTURE. MEASUREMENTS SHALL BE TAKEN AT THE EDGE OF EACH LANE. IF NECESSARY, THE ENGINEER SHALL MAKE ADJUSTMENTS TO THE RESURFACING THICKNESS SHOWN IN THE PLANS TO MAINTAIN THE EXISTING VERTICAL CLEARANCE. LASTLY, THE CONTRACTOR SHALL MEASURE AND DOCUMENT THE VERTICAL CLEARANCE AT THE RAILROAD STRUCTURE AFTER THE RESURFACING OPERATION IS COMPLETE.

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	IL 29 MAINLINE / SANGAMON AVE.
Mixture Use(s):	Polymer Surface
PG:	SBS PG70-22
Design Air Voids:	4.0% @ N70
Mixture Composition:	IL 9.5 or 12.5
Friction Aggregate:	Mix D

Location(s):	IL 29 SIDEROADS
Mixture Use(s):	Incidental Surfacing
PG:	PG 64-22
Design Air Voids:	4.0% @ N50
Mixture Composition:	IL 9.5 or 12.5
Friction Aggregate:	Mix C

Location(s):	IL 29 MAINLINE / SANGAMON AVE.
Mixture Use(s):	Patching
PG:	PG 64-22
Design Air Voids:	4.0% @ N70
Mixture Composition:	IL 19.0
Friction Aggregate:	N/A

DISTRICT SIX	
EXAMINED <u>3-9</u> 20 <u>10</u>	<i>Chris Walker</i>
OPERATIONS ENGINEER	
EXAMINED <u>MARCH 10</u> 20 <u>10</u>	<i>Jimmy F. L.</i>
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>March 22</u> 20 <u>10</u>	<i>QRML</i>
PROGRAM DEVELOPMENT ENGINEER	

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK		URBAN		IL 29 / SANGAMON AVE. 100% STATE
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNITS	TOTAL QUANTITY	I000-2A
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	16.0	16.0
40600300	AGGREGATE (PRIME COAT)	TON	82.0	82.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	613.0	613.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	1.0
40600990	TEMPORARY RAMP	SQ YD	613.0	613.0
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5006.0	5006.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	423.0	423.0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	48,248.0	48,248.0
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	67.0	67.0
56109210	WATER VALVES TO BE ADJUSTED	EACH	1.0	1.0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7.0	7.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6.0	6.0
67100100	MOBILIZATION	L SUM	1.0	1.0
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1.0	1.0
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1.0	1.0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0	1.0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.0	1.0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2.0	2.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2,800.0	2,800.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	500.0	500.0
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	15,673.0	15,673.0
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	176.0	176.0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	265.0	265.0
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	1,302.0	1,302.0
* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	3,300.0	3,300.0

* SPECIALTY ITEM

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES F.A.P. 667 (SANGAMON AVE.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PIWIDOT\LAUGHLINRL\dms25514\672989-sh-t-500.dgn	DRAWN -	REVISED -	667			79Z(RS-4)	SANGAMON	43	3	
PLOT SCALE = 100.0000 "/ IN.	CHECKED -	REVISED -	CONTRACT NO. 72909							
PLOT DATE = Mar-25-2010 10:42:06AM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO. OF SHEETS STA.	TO STA.				

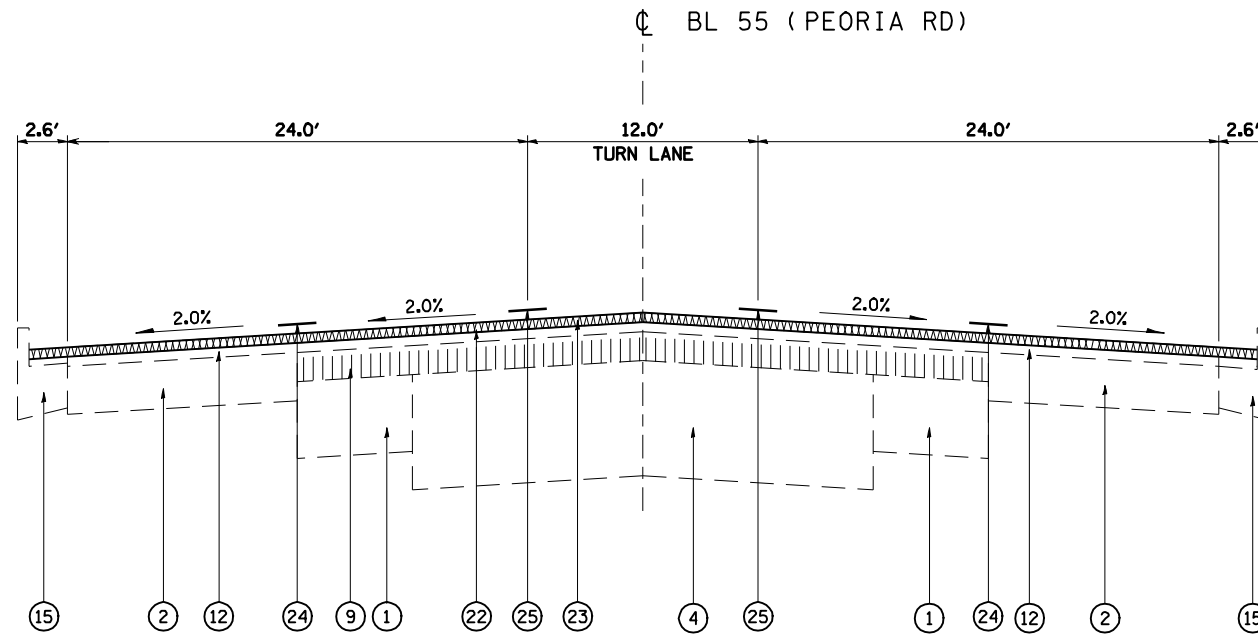
ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

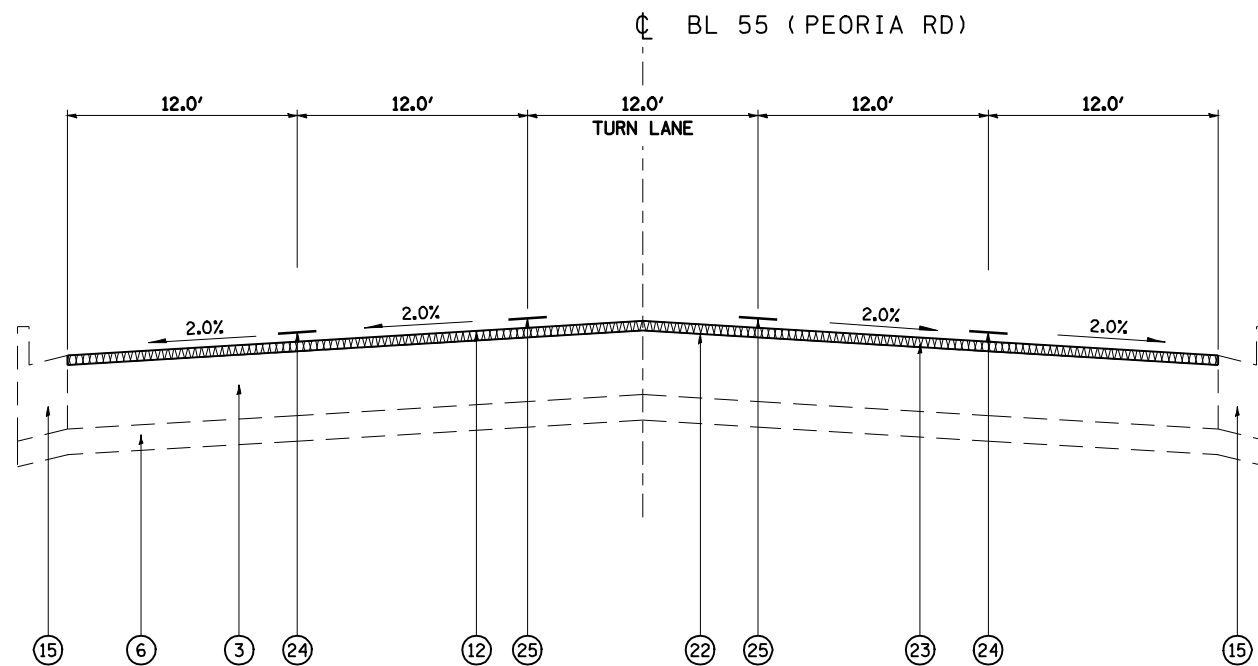
LOCATION OF WORK		URBAN		IL 29 / SANGAMON AVE. 100% STATE
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNITS	TOTAL QUANTITY	1000-2A
* 78004230	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	4,585.0	4,585.0
* 78004280	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	763.0	763.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	519.0	519.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	519.0	519.0
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1.0	1.0
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5C	FOOT	62.0	62.0
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7C	FOOT	116.0	116.0
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10.0	10.0
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	50.0	50.0
* 88600100	DETECTOR LOOP, TYPE I	FOOT	7,374.0	7374.0
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4.0	4.0
* X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1C (GREEN)	FOOT	1,594.0	1,594.0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0	1.0

* SPECIALTY ITEM

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES F.A.P. 667 (SANGAMON AVE.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\p\WIDOT\LAUGHLINRL\dms25514\0372989-shc-500.dgn	DRAWN -	REVISED -	667			79Z(RS-4)	SANGAMON	43	4		
PLOT SCALE = 100.0000 "/ IN.	CHECKED -	REVISED -	CONTRACT NO. 72909								
PLOT DATE = Mar-25-2010 10:42:08AM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



TYPICAL SECTION #1
STA. 98+36 TO STA. 99+57

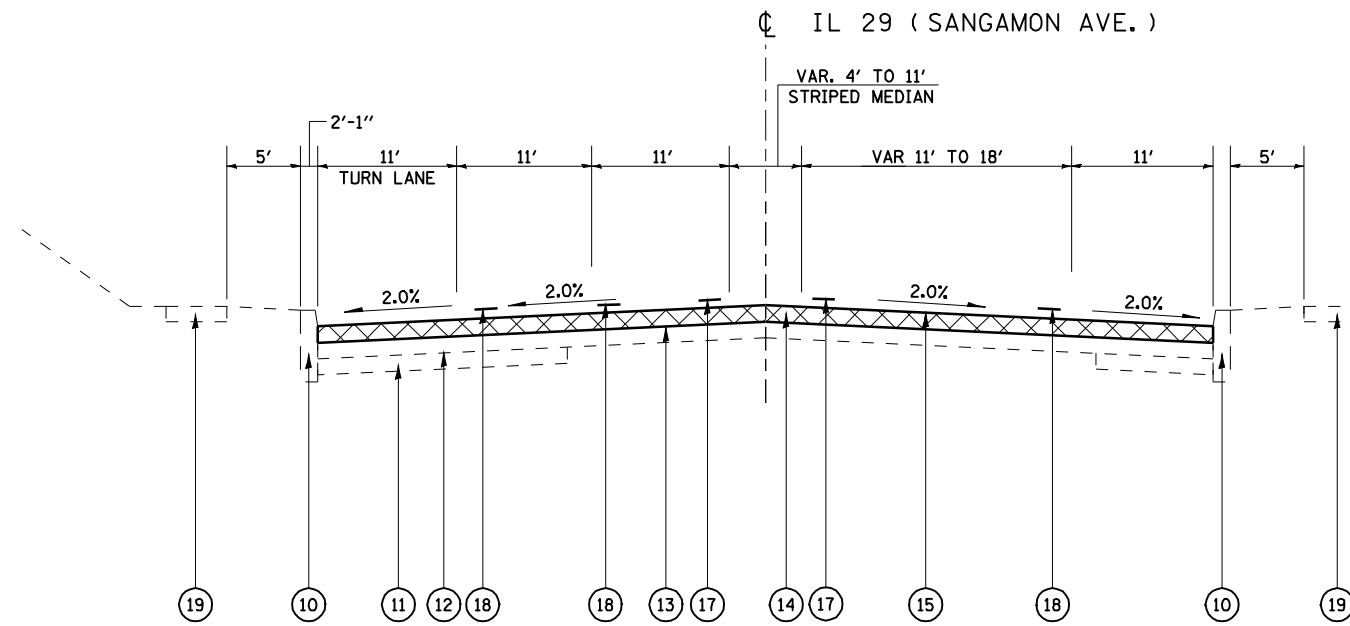


TYPICAL SECTION #2
STA. 100+16 TO STA. 51+14.44
STA. EQ. STA 100+98.45 (BK) = STA. 51+14.44 (AH)
STA. 51+14.44 TO STA. 51+37

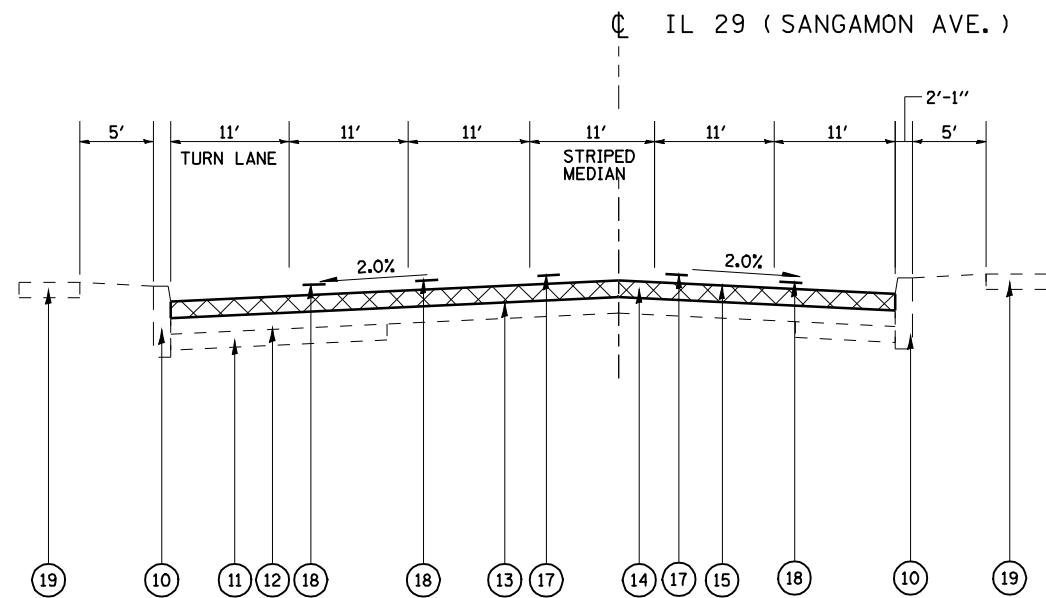
LEGEND

- ① EXISTING CONCRETE BASE COURSE FOR BRICK FOUNDATION, DEPTH UNKNOWN
- ② EXISTING PCC BASE COURSE (9")
- ③ EXISTING PCC BASE COURSE (10")
- ④ EXISTING CONCRETE BASE COURSE FOR TROLLEY CAR RAIL BED, DEPTH UNKNON
- ⑤ EXISTING STABILIZED SUB-BASE (4")
- ⑥ EXISTING SUB-BASE GRANULAR MATERIAL (4")
- ⑦ EXISTING SUB-BASE GRANULAR MATERIAL, TY A (12")
- ⑧ EXISTING LEVELING BINDER (MACHINE METHOD), (1")
- ⑨ EXISTING BRICK PAVEMENT
- ⑩ EXISTING PCC PAVEMENT (10")
- ⑪ EXISTING HOT-MIX ASPHALT BASE OR P.C.C. PAVEMENT*
- ⑫ EXISTING HOT-MIX ASPHALT CONCRETE SURFACE
- ⑬ EXISTING HOT-MIX ASPHALT CONCRETE PAVEMENT (FULL DEPTH), TYPE 1, 13 1/2" (1 1/2" BINDER MIXTURE B, TYPE 1; 2" SURFACE, MIXTURE D, CLASS I, TYPE 1
- ⑭ EXISTING TOP SOIL (4")
- ⑮ EXISTING COMBINATION CONCRETE CURB & GUTTER, TY B-6.24
- ⑯ EXISTING COMBINATION CONCRETE CURB & GUTTER, TY B-15.60
- ⑰ EXISTING CONCRETE MEDIAN, TY C4
- ⑱ EXISTING CONCRETE MEDIAN (4")
- ⑲ EXISTING CORRUGATED CONCRETE MEDIAN
- ⑳ EXISTING HOT-MIX ASPHALT CONCRETE SURFACE COURSE, (1 1/2")
- ㉑ EXISTING AREA REFLECTIVE CRACK CONTROL TREATMENT
- ㉒ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL (2")
- ㉓ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 (2")
- ㉔ PROPOSED PREFORMED PAVEMENT MARKING LINE -- 5"
- ㉕ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE -- 5"

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS BL 55 (PEORIA ROAD)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er:\pwork\pwork\LAUGHLINRL\dms25514\672909-sh-typical.dgn	DRAWN -	REVISED -	REVISED -		667	792(RS-4)	SANGAMON	43	5			
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT				
PLOT DATE = Mar-25-2010 10:51:36AM	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



TYPICAL SECTION #5
STA 11+47.82 TO STA 13+06

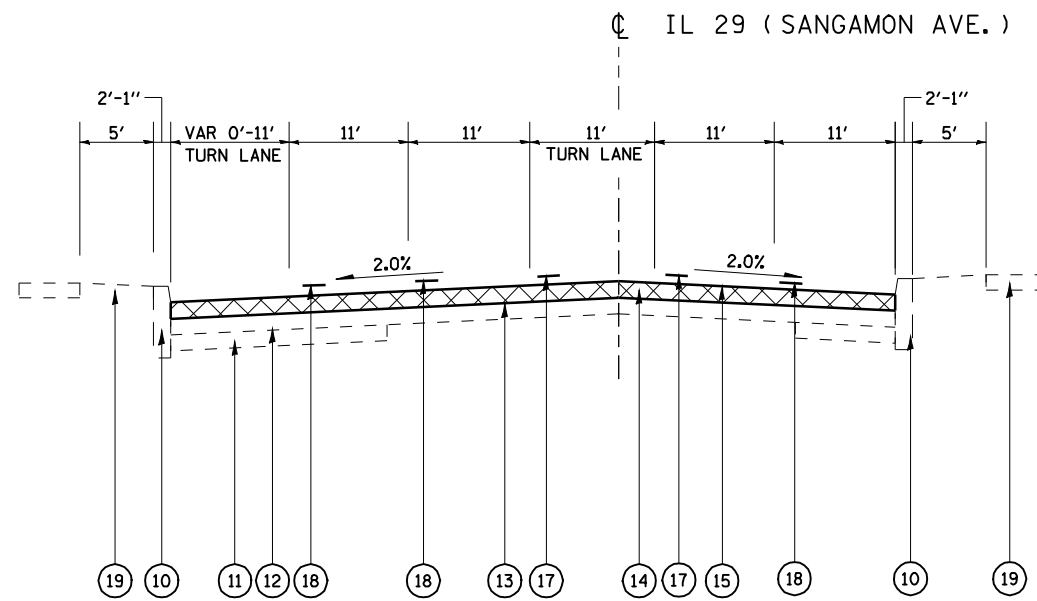


TYPICAL SECTION #6
STA 13+06 TO STA 13+13

LEGEND

- ① EX HOT-MIX ASPHALT SHOULDERS
- ② EX PIPE UNDERDRAIN
- ③ EX STABILIZED SUBBASE 4"
- ④ EX PCC PAVEMENT 9"-6"-9"
- ⑤ EX HOT-MIX ASPHALT SURFACE
- ⑥ EX CONCRETE CURB & GUTTER B 9.24
- ⑦ EX CONCRETE CURB & GUTTER B 6.24
- ⑦A EX CONCRETE CURB & GUTTER M6.06
- ⑧ EX PCC PAVEMENT 8"
- ⑨ EX PCC BASE COURSE 9"
- ⑩ EX COMBINATION CURB & GUTTER TYPE B 6.18
- ⑪ EX SUBBASE GRANULAR MATERIAL, TYPE B 12" & VAR.
- ⑫ EX HOT-MIX ASPHALT CONCRETE BASE COURSE 10"
- ⑬ EX HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX E, CLASS 1, TYPE 2
- ⑭ PR HOT-MIX ASPHALT SURFACE REMOVAL (2")
- ⑮ PR HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- ⑯ PR HOT-MIX ASPHALT SHOULDERS, 8"
- ⑰ PR THERMOPLASTIC PAVEMENT MARKING, LINE 5"
- ⑱ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE 5"
- ⑲ PCC SIDEWALK

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS F.A.P. 667 (SANGAMON AVE.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\PWIDOT\LAUGHLINRL\dms25514\0672909-sh-t-typico1.dgn		DRAWN -	REVISED -		667	792(RS-4)	SANGAMON	43	7			
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT				
PLOT DATE = Mar-25-2010 10:51:40AM		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

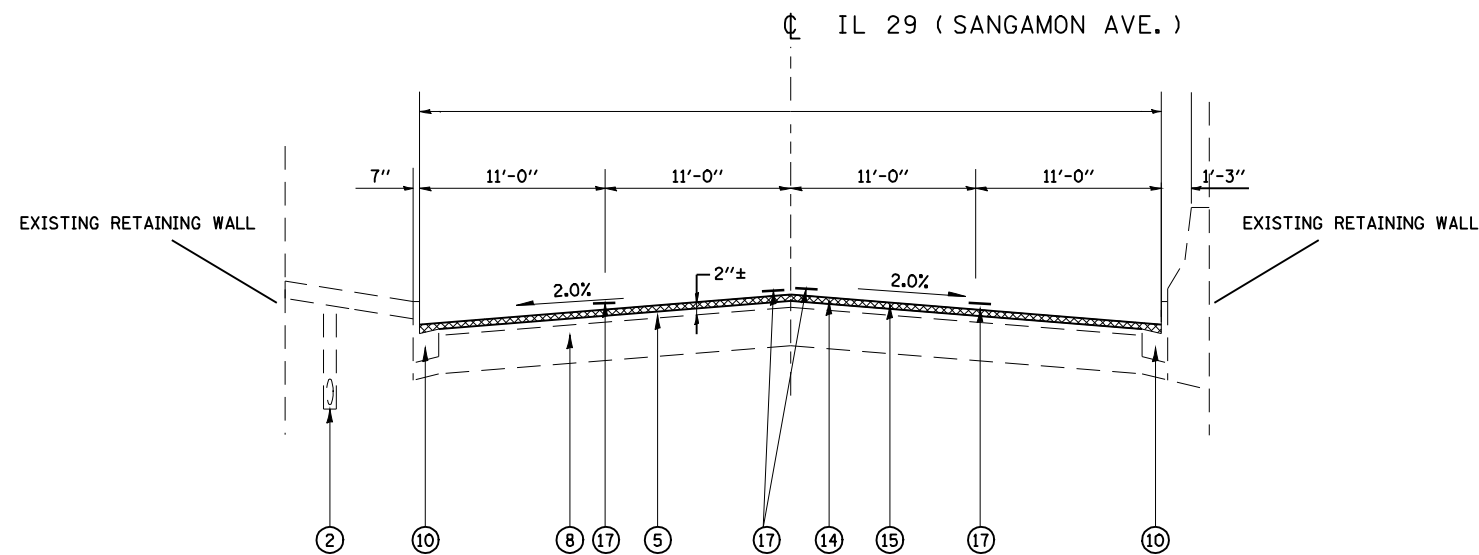


TYPICAL SECTION #7
STA 13+13 TO STA 16+60

LEGEND

- ① EX HOT-MIX ASPHALT SHOULDERS
- ② EX PIPE UNDERDRAIN
- ③ EX STABILIZED SUBBASE 4"
- ④ EX PCC PAVEMENT 9"-6"-9"
- ⑤ EX HOT-MIX ASPHALT SURFACE
- ⑥ EX CONCRETE CURB & GUTTER B 9.24
- ⑦ EX CONCRETE CURB & GUTTER B 6.24
- ⑦A EX CONCRETE CURB & GUTTER M6.06
- ⑧ EX PCC PAVEMENT 8"
- ⑨ EX PCC BASE COURSE 9"
- ⑩ EX COMBINATION CURB & GUTTER TYPE B 6.18
- ⑪ EX SUBBASE GRANULAR MATERIAL, TYPE B 12" & VAR.
- ⑫ EX HOT-MIX ASPHALT CONCRETE BASE COURSE 10"
- ⑬ EX HOT-MIX ASPHALT CONCRETE SURFACE COURSE, MIX E, CLASS 1, TYPE 2

- ⑭ PR HOT-MIX ASPHALT SURFACE REMOVAL (2")
- ⑮ PR HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- ⑯ PR HOT-MIX ASPHALT SHOULDERS, 8"
- ⑰ PR THERMOPLASTIC PAVEMENT MARKING, LINE 5"
- ⑱ PR PREFORMED PLASTIC PAVEMENT MARKING, LINE 5"
- ⑲ PCC SIDEWALK



TYPICAL SECTION #8
STA 16+60 TO 21+09

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS F.A.P. 667 (SANGAMON AVE.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwwork\pwwid\LAUGHLINRL\dms25514\0672909-sh-t-typico1.dgn		DRAWN -	REVISED -		667	792(RS-4)	SANGAMON	43	8			
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT				
PLOT DATE = Mar-25-2010 10:51:41AM		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT			SQ YD
40600990	TEMPORARY RAMP			SQ YD
STATION	LENGTH (FT)	WIDTH (FT)	AVG. WIDTH (FT)	AREA (SQ. YD.)
MAINLINE				
8+20.06	6.5	55	55.0	39.7
8+26.56		55		
73+93.5	6.5	60	60.0	43.3
74+00.		60		
SIDEROADS				
N Peoria Road	6.5	52.5		37.9
S Peoria Road	6.5	66.5		48.0
15th Street	6.5	24.0		17.3
Sangamon Ctr.	6.5	56.2		40.6
19 th Street	6.5	41.0		29.6
20 th Street	6.5	33.7		24.3
Arrowhead Dr.	6.5	34.5		24.9
21 st Street	6.5	33.5		24.2
22 nd Street	6.5	27.1		19.6
23 rd Street	6.5	27.6		20.0
Cahokia	6.5	28.5		20.6
24 th Street	6.5	27.2		19.6
Piper Road	6.5	35.8		25.9
Henley Road	6.5	31.1		22.5
Farrington Road	6.5	35.9		26.0
Hedge Lane Road	6.5	25.9		18.7
Fit Club Entrance	8.5	100		85.0
Hastings Road	6.5	34.9		25.2
TOTAL				613.0

40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING		TON
LOCATION	AREA (SQ. FT.)	AREA (SQ. YD.)	QUANTITY (TONS)
15th Street	1779	197.7	22.1
Sangamon Ctr.	3280.3	364.5	40.8
19 th Street	3326.1	369.6	41.4
20 th Street	1404.6	156.1	17.5
Arrowhead Dr.	2286.0	254.0	28.4
21 st Street	1456.0	161.8	18.1
22 nd Street	1275.1	141.7	15.9
23 rd Street	1783.4	198.2	22.2
Cahokia	1547.5	171.9	19.3
24 th Street	1485.9	165.1	18.5
Piper Road	3163.0	351.4	39.4
Henley Road	4630.6	514.5	57.6
Farrington Road	2207.2	245.2	27.5
Hedge Lane Road	1381.5	153.5	17.2
Fit Club Entrance	765.0	85.0	9.5
Hastings Road	2196.6	244.1	27.3
		TOTAL	422.7

40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70			TON
STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ. YD.)	QUANTITY (TONS)
SANGAMON MAINLINE				
8+26.56		55		
	73.4		450.8	50.5
9+00.		56		
	100.0		613.9	68.8
10+00.		55		
	100.0		611.1	68.4
11+00.		55		
	100.0		611.1	68.4
12+00.		55		
	100.0		611.1	68.4
13+00.		55		
	100.0		608.3	68.1
14+00.		55		
	100.0		594.4	66.6
15+00.		53		
	100.0		550.0	61.6
16+00.		47		
	100.0		491.7	55.1
17+00.		42		
	400.0		1,911.1	214.0
21+00.		44		
	50.0		244.4	27.4
21+50.		44		
	50.0		250.0	28.0
22+00.		46		
	50.0		269.4	30.2
22+50.		51		
	50.0		300.0	33.6
23+00.		57		
	50.0		325.0	36.4
23+50.		60		
	50.0		333.3	37.3
24+00.		60		
	100.0		666.7	74.7
25+00.		60		
	500.0		3,333.3	373.3
30+00.		60		
	500.0		3,333.3	373.3
35+00.		60		
	500.0		3,333.3	373.3
40+00.		60		
	500.0		3,333.3	373.3
45+00.		60		
	500.0		3,333.3	373.3
50+00.		60		
	500.0		3,333.3	373.3
55+00.		60		
	500.0		3,333.3	373.3
60+00.		60		
	500.0		3,333.3	373.3
65+00.		60		
	500.0		3,333.3	373.3
70+00.		60		
	400.0		2,666.7	298.7
74+00.		60		
TOTAL				4716.2

40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70			TON
STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ. YD.)	QUANTITY (TONS)
PEORIA ROAD				
52+30.82		53		
	116.4		727.4	81.5
51+14.44		60		
STA EQN 51+14.44(AH) = 100+98.45(BK)				
100+98.45		60		
	82.2		575.4	64.4
100+16.25		66		
NW QUAD			29.4	3.3
NE QUAD			70.6	7.9
99+57.52		59		
	115.3		801.0	89.7
98+42.18		67		
SW QUAD			145.6	16.3
SE QUAD			236.8	26.5
TOTAL				289.6

44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD
LOCATION	AREA (SQ. FT.)	AREA (SQ. YD.)
SIDEROADS		
15th Street	1779	197.7
Sangamon Ctr.	2914.9	323.9
19 th Street	3059.3	339.9
20 th Street	1185.5	131.7
Arrowhead Dr.	2061.7	229.1
21 st Street	1238.1	137.6
22 nd Street	1098.9	122.1
23 rd Street	1603.7	178.2
Cahokia	1362.3	151.4
24 th Street	1309.3	145.5
Piper Road	2930.2	325.6
Henley Road	4428.1	492.0
Farrington Road	1973.6	219.3
Hedge Lane Road	1213.2	134.8
Hastings Road	1969.8	218.9
TOTAL		3,347.5

44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	
STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ. YD.)
PEORIA ROAD			
52+30.82	116.4	53	727.4
51+14.44		60	
STA EQN 51+14.44(AH) = 100+98.45(BK)			
100+98.45	82.2	60	575.4
100+16.25		66	
NW QUAD			29.4
NE QUAD			70.6
99+57.52	115.3	59	801.0
98+42.18		67	
SW QUAD			145.6
SE QUAD			236.8
TOTAL			2,586.1

44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	
STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ. YD.)
MAINLINE			
8+26.56	73.4	55	450.8
9+00.	100.0	55.5	613.9
10+00.	400.0	55	2,433.3
14+00.	100.0	54.5	593.3
15+00.	100.0	52.3	562.8
15+50.	50.0	49	255.6
16+00.	100.0	43	472.2
17+00.	400.0	42	1,911.1
21+00.	50.0	44	244.4
21+50.	50.0	44	250.0
22+00.	50.0	46	269.4
22+50.	50.0	51	300.0
23+00.	50.0	57	325.0
23+50.	50.0	60	333.3
24+00.	100.0	60	666.7
25+00.	500.0	60	3,333.3
30+00.	500.0	60	3,333.3
35+00.	500.0	60	3,333.3
40+00.	500.0	60	3,333.3
45+00.	500.0	60	3,333.3
50+00.	500.0	60	3,333.3
55+00.	500.0	60	3,333.3
60+00.	500.0	60	3,333.3
65+00.	500.0	60	3,333.3
70+00.	393.5	60	2,623.3
73+93.5		60	
TOTAL			42,305.3

44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD				
LOCATION	STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	TYPE	REMARKS
Mainline EBDL	21+00	6.0	11.0	7.33	II	Full Lane
Mainline EBPL	21+00	6.0	11.0	7.33	II	Full Lane
Mainline WBDL	21+00	6.0	11.0	7.33	II	Full Lane
Mainline WBPL	21+00	6.0	11.0	7.33	II	Full Lane
Mainline WBPL	26+50	20.0	6.0	13.33	II	Half Lane
Mainline EBDL	41+50	6.0	12.0	8.00	II	Full Lane
Mainline EBPL	41+50	6.0	12.0	8.00	II	Full Lane
Mainline WBDL	49+17	6.0	12.0	8.00	II	Full Lane
TOTAL				66.67		

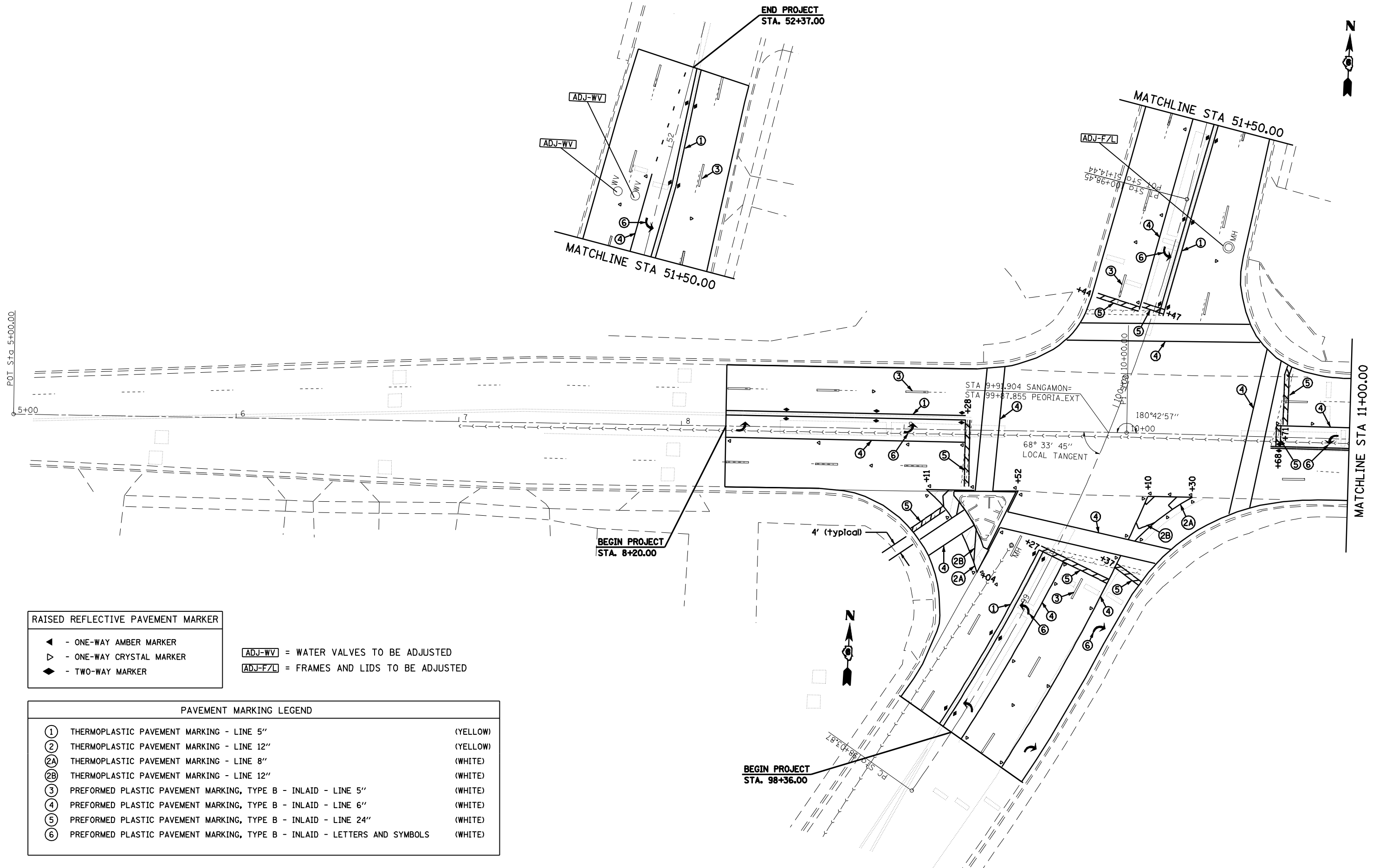
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH
LOCATION	STATION	EACH
Mainline	17+07	1.0
Mainline	27+54	1.0
Mainline	38+04	1.0
Mainline	49+17	1.0
Mainline	51+00	1.0
Mainline	55+00	1.0
Hedge Lane Road	100+35	1.0
Peoria Road	100+75	1.0
TOTAL		8.0

56109210	WATER VALVES TO BE ADJUSTED	EACH
LOCATION	STATION	EACH
Sangamon Ctr.	27+67	1.0
Peoria Road	51+80	1.0
Peoria Road	51+75	1.0
TOTAL		1.0

78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"											FOOT
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"											FOOT
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"											FOOT
78004220	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"											FOOT
78004230	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"											FOOT
78004280	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"											FOOT
78100100	RAISED REFLECTIVE PAVEMENT MARKER											EACH
LOCATION	STATION TO STATION	THERMOPLASTIC PAVEMENT MARKING				PERFORMED PAVEMENT MARKING			RAISED PAVEMENT MARKERS			
		YELLOW LINE 5"	YELLOW LINE 12"	WHITE LINE 8"	WHITE LINE 12"	WHITE LINE 5"	WHITE LINE 6"	WHITE LINE 24"	BI-DIRECTIONAL AMBER	MONO-DIRECTIONAL AMBER	MONO-DIRECTIONAL CRYSTAL	REMOVAL EACH
Mainline	8+20 to 9+99	216.0	--	--	--	120.0	219.0	32.0	6.0	--	6.0	12.0
Mainline	9+99 to 14+03	814.0	--	--	--	180.0	334.0	40.0	18.0	--	14.0	32.0
Mainline	14+03 to 27+25	3,620.0	113.0	--	--	660.0	235.0	36.0	54.0	14.0	37.0	105.0
Mainline	27+25 to 32+50	950.0	--	--	--	220.0	460.0	72.0	22.0	--	15.0	37.0
Mainline	33+00 to 35+00	480.0	96.0	--	--	100.0	125.0	30.0	8.0	--	4.0	12.0
Mainline	35+00 to 37+75	800.0	--	--	--	180.0	--	--	16.0	--	10.0	26.0
Mainline	37+75 to 42+50	770.0	--	--	--	180.0	--	--	16.0	--	10.0	26.0
Mainline	42+50 to 47+50	1,110.0	--	--	--	260.0	--	--	24.0	--	12.0	36.0
Mainline	47+50 to 49+25	300.0	--	--	--	80.0	--	--	6.0	--	4.0	10.0
Mainline	49+25 to 56+00	1,485.0	--	--	--	320.0	316.0	36.0	30.0	--	20.0	50.0
Mainline	56+00 to 66+25	2,400.0	--	--	--	480.0	278.0	36.0	38.0	--	28.0	66.0
Mainline	66+25 to 69+50	680.0	--	--	--	160.0	276.0	36.0	14.0	--	12.0	26.0
Mainline	70+00 to 74+00	1,015.0	--	--	--	200.0	230.0	36.0	18.0	--	12.0	30.0
N Peoria Road	100+45 to 52+37	352.0	--	--	--	100.0	299.0	36.0	10.0	--	8.0	18.0
S Peoria Road	98+36 to 99+57	180.0	--	176.0	56.0	60.0	396.0	68.0	6.0	--	27.0	33.0
15th Street	100+00 to 100+88	--	--	--	--	--	--	12.0	--	--	--	--
Sangamon Ctr.	100+30 to 101+00	36.0	--	--	--	--	170.0	36.0	--	--	--	--
19 th Street	99+00 to 99+70	85.0	--	--	--	--	155.0	28.0	--	--	--	--
20 th Street	99+40 to 99+70	--	--	--	--	--	88.0	15.0	--	--	--	--
Arrowhead Dr.	100+30 to 100+80	60.0	--	--	--	--	125.0	22.0	--	--	--	--
21 st Street	99+40 to 99+70	--	--	--	--	--	83.0	18.0	--	--	--	--
22 nd Street	99+35 to 99+70	--	--	--	--	--	75.0	15.0	--	--	--	--
23 rd Street	99+20 to 99+70	--	--	--	--	--	62.0	15.0	--	--	--	--
Cahokia	100+30 to 100+70	--	--	--	--	--	90.0	16.0	--	--	--	--
24 th Street	99+30 to 99+70	--	--	--	--	--	57.0	14.0	--	--	--	--
Piper Road	100+30 to 101+00	85.0	--	--	--	--	40.0	30.0	--	--	--	--
Henley Road	98+55 to 99+70	190.0	--	--	--	--	166.0	24.0	--	--	--	--
Farrington Road	99+20 to 99+70	--	--	--	--	--	107.0	22.0	--	--	--	--
Hedge Lane Road	100+30 to 100+70	--	--	--	--	--	74.0	15.0	--	--	--	--
Fit Club Entrance	100+30 to 100+40	--	--	--	--	--	--	--	--	--	--	--
Hastings Road	99+20 to 99+70	45.0	--	--	--	--	125.0	23.0	--	--	--	--
TOTAL		15,673.0	209.0	176.0	56.0	3,300.0	4,585.0	763.0	286.0	14.0	219.0	519.0

78004200				PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS								SQ FT		
LOCATION	STATION	ARROW TYPE	AREA (SQ FT)	LOCATION	STATION	ARROW TYPE	AREA (SQ FT)	LOCATION	STATION	ARROW TYPE	AREA (SQ FT)			
Mainline	8+27	Left	15.6	Mainline	45+10	Left	15.6	N Peoria Rd	51+65	Left	15.6			
Mainline	9+02	Left	15.6	Mainline	46+70	Left	15.6	N Peoria Rd	100+73	Left	15.6			
Mainline	10+92	Left	15.6	Mainline	47+00	Left	15.6	S Peoria Rd	98+50	Left	15.6			
Mainline	11+66	Left	15.6	Mainline	48+33	Left	15.6	S Peoria Rd	99+00	Left	15.6			
Mainline	12+42	Left	15.6	Mainline	48+63	Left	15.6	S Peoria Rd	98+50	Right	15.6			
Mainline	13+14	Left	15.6	Mainline	49+85	Left	15.6	S Peoria Rd	99+10	Right	15.6			
Mainline	13+26	Left	15.6	Mainline	50+15	Left	15.6							
Mainline	13+63	Left	15.6	Mainline	51+10	Left	15.6	Sangamon Ctr.	72+00	Left	15.6			
Mainline	24+20	Left	15.6	Mainline	51+40	Left	15.6	Sangamon Ctr.	72+00	Thru	11.5			
Mainline	24+50	Left	15.6	Mainline	52+40	Left	15.6	Sangamon Ctr.	72+00	Right	15.6			
Mainline	26+10	Left	15.6	Mainline	52+70	Left	15.6							
Mainline	26+76	Left	15.6	Mainline	54+65	Left	15.6	19 th Street	99+15	Left/Thru	26			
Mainline	28+37	Left	15.6	Mainline	55+60	Left	15.6	19 th Street	99+15	Right	15.6			
Mainline	29+31	Left	15.6	Mainline	56+93	Left	15.6							
Mainline	30+35	Left	15.6	Mainline	57+68	Left	15.6	Arrowhead Dr.	100+73	Left	15.6			
Mainline	30+65	Left	15.6	Mainline	59+50	Left	15.6	Arrowhead Dr.	100+73	Right	15.6			
Mainline	31+65	Left	15.6	Mainline	59+80	Left	15.6							
Mainline	32+03	Left	15.6	Mainline	61+48	Left	15.6	Piper Road	100+80	Left/Thru	26			
Mainline	34+23	Left	15.6	Mainline	61+78	Left	15.6	Piper Road	100+80	Right	15.6			
Mainline	34+53	Left	15.6	Mainline	63+47	Left	15.6							
Mainline	35+60	Left	15.6	Mainline	63+77	Left	15.6	Henley Road	99+28	Left/Thru	26			
Mainline	35+90	Left	15.6	Mainline	65+38	Left	15.6	Henley Road	99+28	Right	15.6			
Mainline	38+00	Left	15.6	Mainline	65+68	Left	15.6							
Mainline	38+30	Left	15.6	Mainline	66+84	Left	15.6	Hastings Road	99+30	Left	15.6			
Mainline	39+40	Left	15.6	Mainline	67+14	Left	15.6	Hastings Road	99+30	Right/Thru	26			
Mainline	39+70	Left	15.6	Mainline	68+05	Left	15.6							
Mainline	41+65	Left	15.6	Mainline	69+00	Left	15.6							
Mainline	41+95	Left	15.6	Mainline	70+50	Left	15.6							
Mainline	43+03	Left	15.6	Mainline	71+29	Left	15.6							
Mainline	43+33	Left	15.6	Mainline	72+86	Left	15.6							
Mainline	44+90	Left	15.6	Mainline	73+16	Left	15.6							
			TOTAL	483.6				TOTAL	483.6				TOTAL	333.9

	85700200	87301245	87301255	88040090	88200100	88600100	89502375	X0323153
	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5C	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7C	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	TRAFFIC SIGNAL BACKPLATE	DETECTOR LOOP, TYPE I	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1C (GREEN)
	EACH	FOOT	FOOT	EACH	EACH	FOOT	EACH	FOOT
PEORIA ROAD		42.0		4.0	12.0	1,825.0	1.0	
19TH STREET	1.0	20.0	20.0		13.0	1,745.0	1.0	436.5
ARROWHEAD				2.0	6.0	830.0	1.0	365.5
HENLEY/PIPER			48.0	2.0	10.0	1,620.0	1.0	410.5
HASTINGS			48.0	2.0	9.0	1,354.0	1.0	381.5
TOTAL	1.0	62.0	116.0	10.0	50.0	7,374.0	5.0	1,594.0



RAISED REFLECTIVE PAVEMENT MARKER	
◀	- ONE-WAY AMBER MARKER
▷	- ONE-WAY CRYSTAL MARKER
◄	- TWO-WAY MARKER

ADJ-WV = WATER VALVES TO BE ADJUSTED
 ADJ-F/L = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
②A	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	(WHITE)
②B	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(WHITE)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

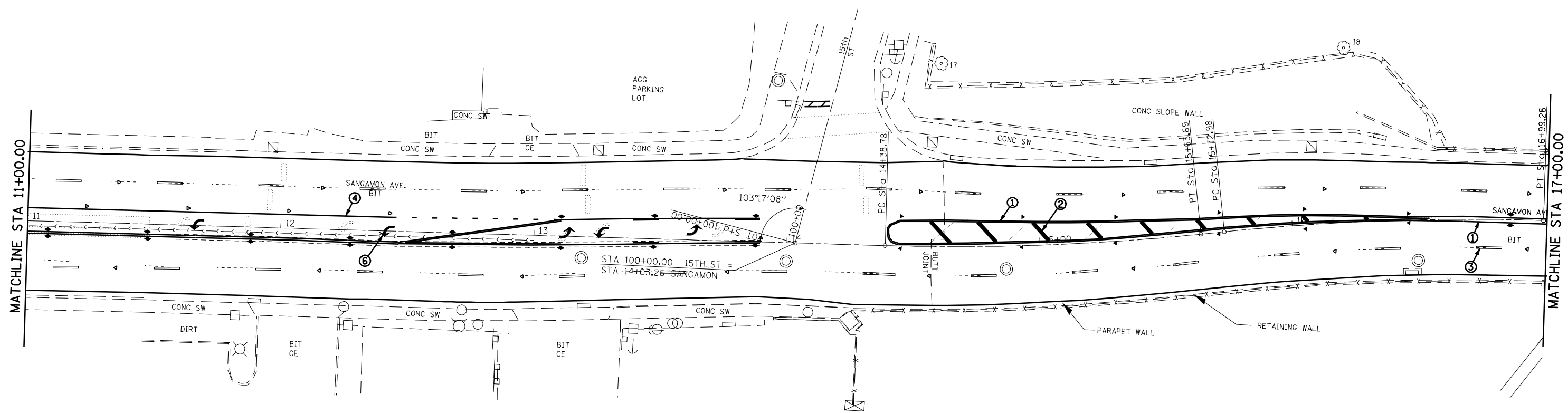
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW
 F.A.P. (SANGAMON AVE.)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	16
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



- RAISED REFLECTIVE PAVEMENT MARKER**
- ◀ - ONE-WAY AMBER MARKER
 - ▷ - ONE-WAY CRYSTAL MARKER
 - ◆ - TWO-WAY MARKER

- ADJ-WV = WATER VALVES TO BE ADJUSTED
- ADJ-F/L = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

EXIST. CURVE CALC5
 PI STA. = 15+01.33
 Δ = 7° 29' 39" (LT)
 D = 5° 59' 59"
 R = 954.97'
 T = 62.54'
 L = 124.91'
 E = 2.05'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 14+38.78
 P.T. STA. = 15+63.69

EXIST. CURVE CALC6
 PI STA. = 16+36.21
 Δ = 7° 34' 38" (RT)
 D = 6° 00' 02"
 R = 954.84'
 T = 63.23'
 L = 126.28'
 E = 2.09'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 15+72.98
 P.T. STA. = 16+99.26

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

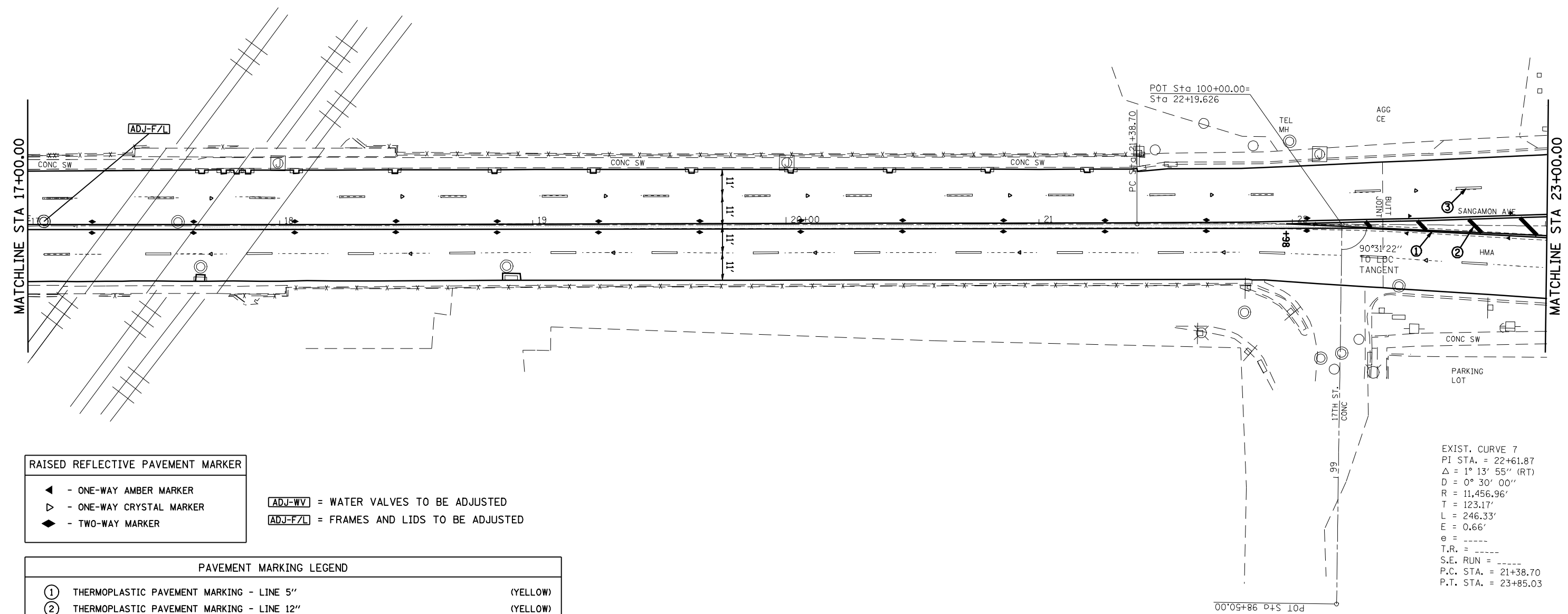
**PLAN VIEW
 F.A.P. (SANGAMON AVE.)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	17
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



EXIST. CURVE 7
 PI STA. = 22+61.87
 $\Delta = 1^\circ 13' 55''$ (RT)
 D = 0° 30' 00"
 R = 11,456.96'
 T = 123.17'
 L = 246.33'
 E = 0.66'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 21+38.70
 P.T. STA. = 23+85.03



- RAISED REFLECTIVE PAVEMENT MARKER**
- ◀ - ONE-WAY AMBER MARKER
 - ▷ - ONE-WAY CRYSTAL MARKER
 - ◆ - TWO-WAY MARKER

- ADJ-WV** = WATER VALVES TO BE ADJUSTED
- ADJ-F/L** = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

EXIST. CURVE 7
 PI STA. = 22+61.87
 $\Delta = 1^\circ 13' 55''$ (RT)
 D = 0° 30' 00"
 R = 11,456.96'
 T = 123.17'
 L = 246.33'
 E = 0.66'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 21+38.70
 P.T. STA. = 23+85.03

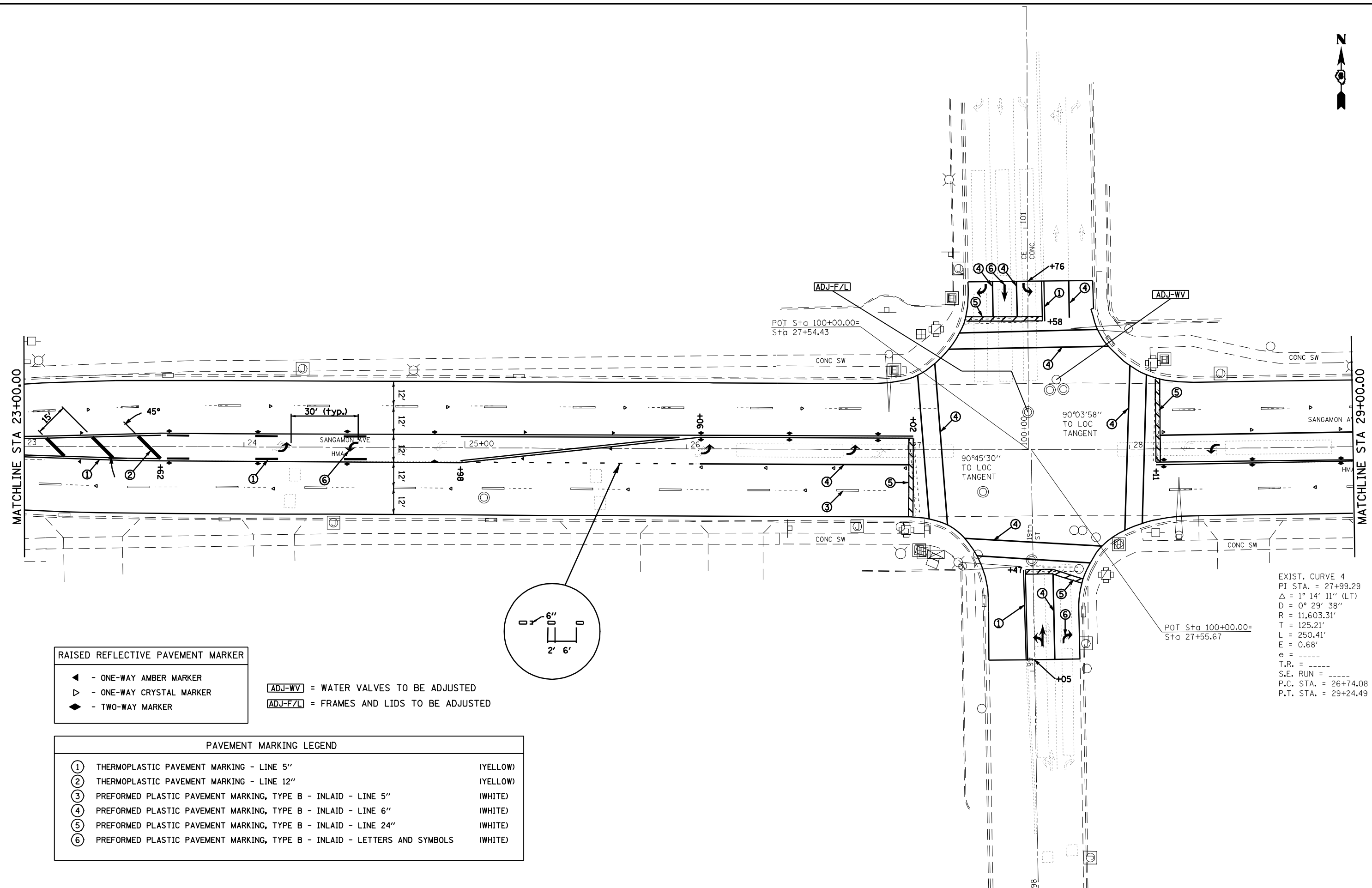
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PLOT DATE = Mar-25-2010 10:52:14AM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW
 F.A.P. (SANGAMON AVE.)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	18
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



- RAISED REFLECTIVE PAVEMENT MARKER**
- ◀ - ONE-WAY AMBER MARKER
 - ▷ - ONE-WAY CRYSTAL MARKER
 - ◆ - TWO-WAY MARKER

- ADJ-WV = WATER VALVES TO BE ADJUSTED
- ADJ-F/L = FRAMES AND LIDS TO BE ADJUSTED

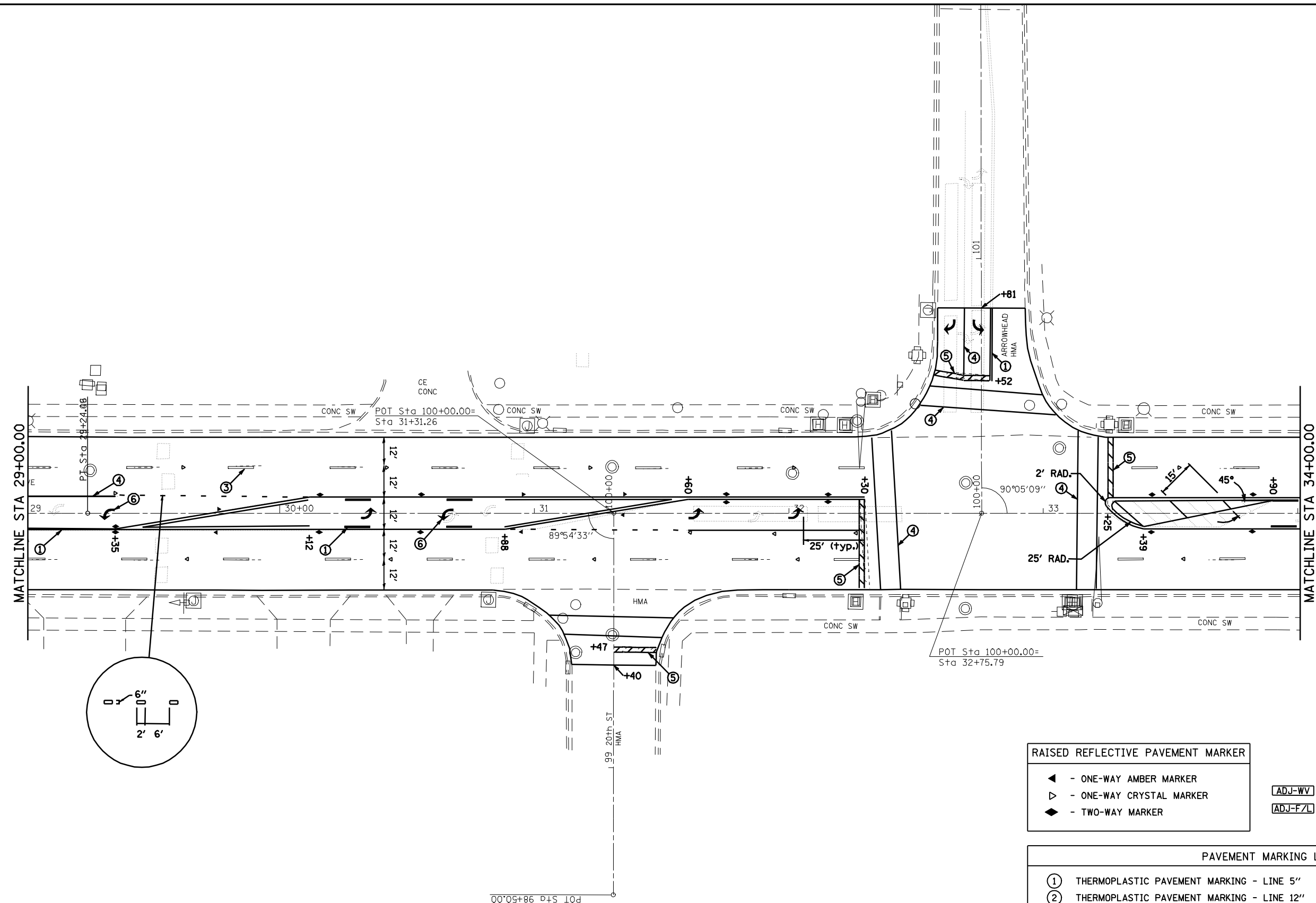
PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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PLOT DATE = Mar-25-2010 10:52:21AM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN VIEW F.A.P. (SANGAMON AVE.)			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	19
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



RAISED REFLECTIVE PAVEMENT MARKER	
◀	- ONE-WAY AMBER MARKER
▷	- ONE-WAY CRYSTAL MARKER
◆	- TWO-WAY MARKER

[ADJ-WV] = WATER VALVES TO BE ADJUSTED
 [ADJ-F/L] = FRAMES AND LIDS TO BE ADJUSTED

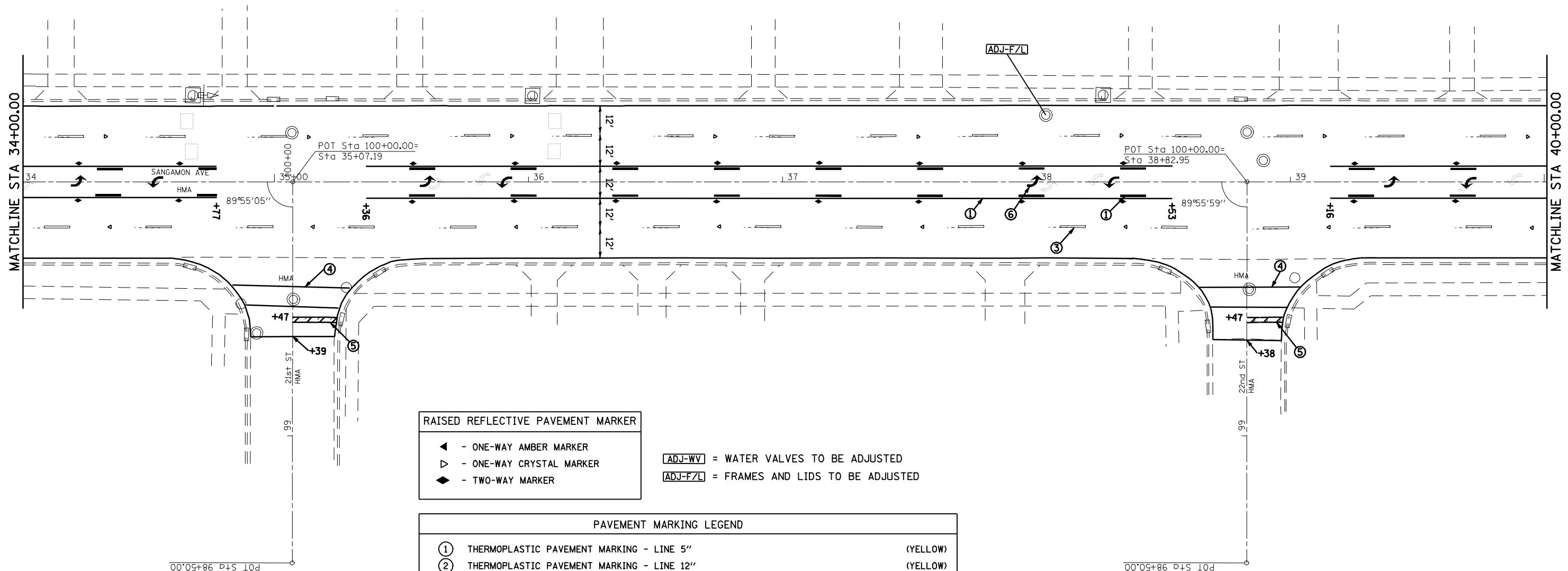
PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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PLOT DATE = Mar-25-2010 10:52:26AM		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW			
F.A.P. (SANGAMON AVE.)			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	T92(RS-4)	SANGAMON	43	20
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



RAISED REFLECTIVE PAVEMENT MARKER	
◀	- ONE-WAY AMBER MARKER
▷	- ONE-WAY CRYSTAL MARKER
◄	- TWO-WAY MARKER

ADJ-WV = WATER VALVES TO BE ADJUSTED
 ADJ-F/L = FRAMES AND LIDS TO BE ADJUSTED

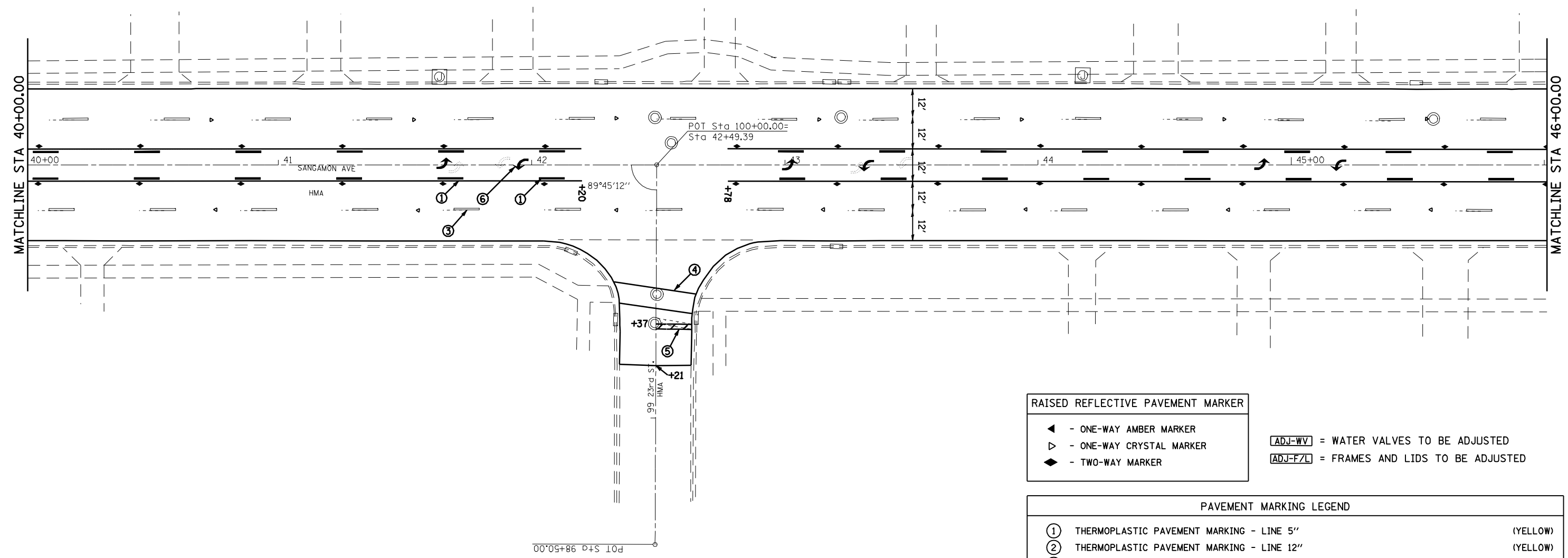
PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN VIEW F.A.P. (SANGAMON AVE.)			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	T92(RS-4)	SANGAMON	43	21
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



- RAISED REFLECTIVE PAVEMENT MARKER**
- ◀ - ONE-WAY AMBER MARKER
 - ▷ - ONE-WAY CRYSTAL MARKER
 - ◆ - TWO-WAY MARKER

- ◻ **ADJ-WV** = WATER VALVES TO BE ADJUSTED
- ◻ **ADJ-F/L** = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

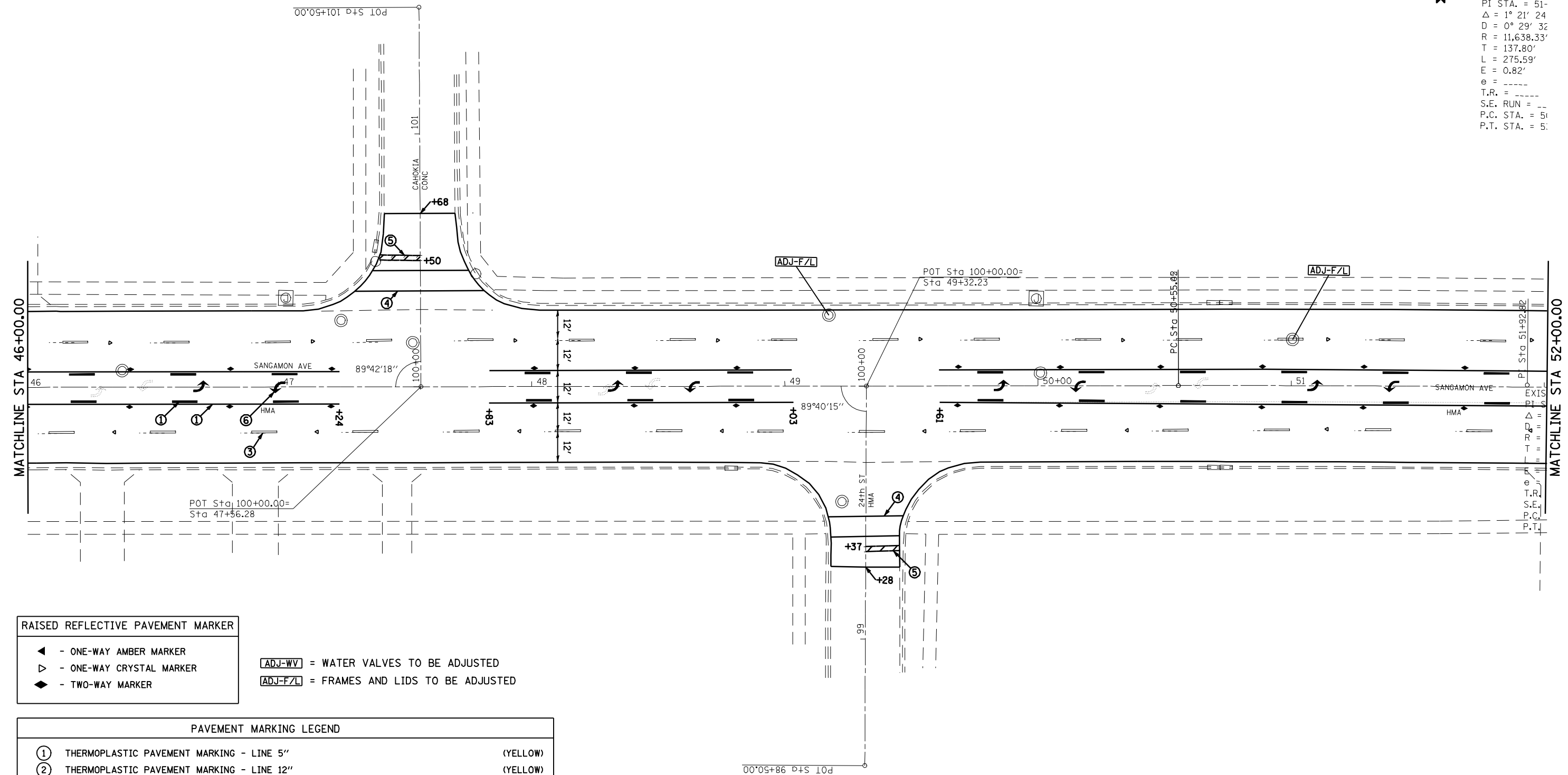
**PLAN VIEW
F.A.P. (SANGAMON AVE.)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	22
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



EXIST. CURVE
 PI STA. = 51-
 Δ = 1° 21' 24"
 D = 0° 29' 32"
 R = 11,638.33'
 T = 137.80'
 L = 275.59'
 E = 0.82'
 e = ----
 T.R. = ----
 S.E. RUN = --
 P.C. STA. = 51
 P.T. STA. = 51



- RAISED REFLECTIVE PAVEMENT MARKER**
- ◀ - ONE-WAY AMBER MARKER
 - ▷ - ONE-WAY CRYSTAL MARKER
 - ◆ - TWO-WAY MARKER

- ADJ-WV = WATER VALVES TO BE ADJUSTED
- ADJ-F/L = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW
 F.A.P. (SANGAMON AVE.)**

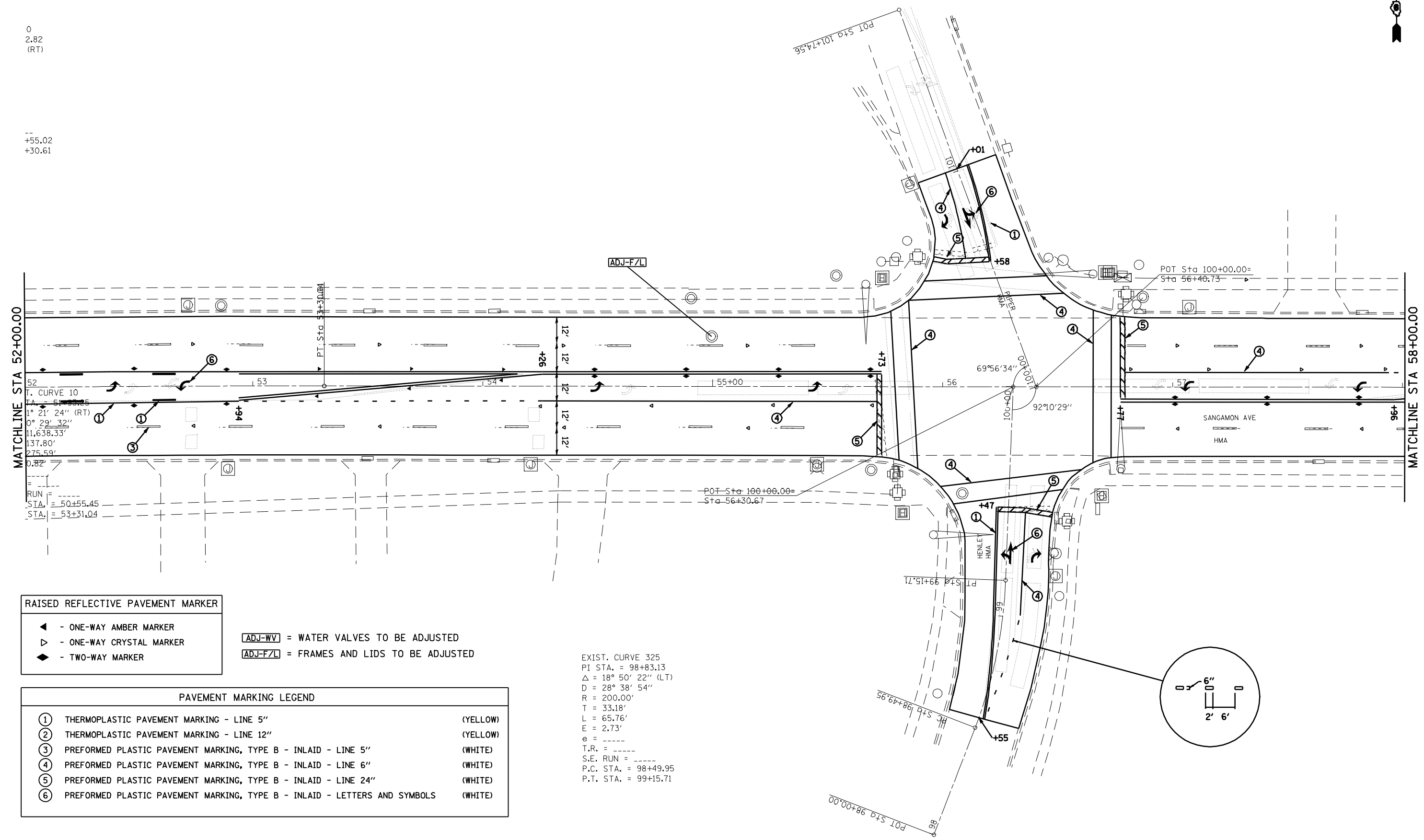
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	23
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



0
2.82
(RT)

--
+55.02
+30.61



MATCHLINE STA 52+00.00

52
T. CURVE 10
TA = 51+33.85
1° 21' 24" (RT)
0° 29' 32"
11,638.33'
137.80'
275.59'
0.82'

RUN = ----
STA. = 50+55.45
STA. = 53+31.04

MATCHLINE STA 58+00.00

96+

RAISED REFLECTIVE PAVEMENT MARKER	
◀	- ONE-WAY AMBER MARKER
▷	- ONE-WAY CRYSTAL MARKER
◆	- TWO-WAY MARKER

ADJ-WV = WATER VALVES TO BE ADJUSTED
ADJ-F/L = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

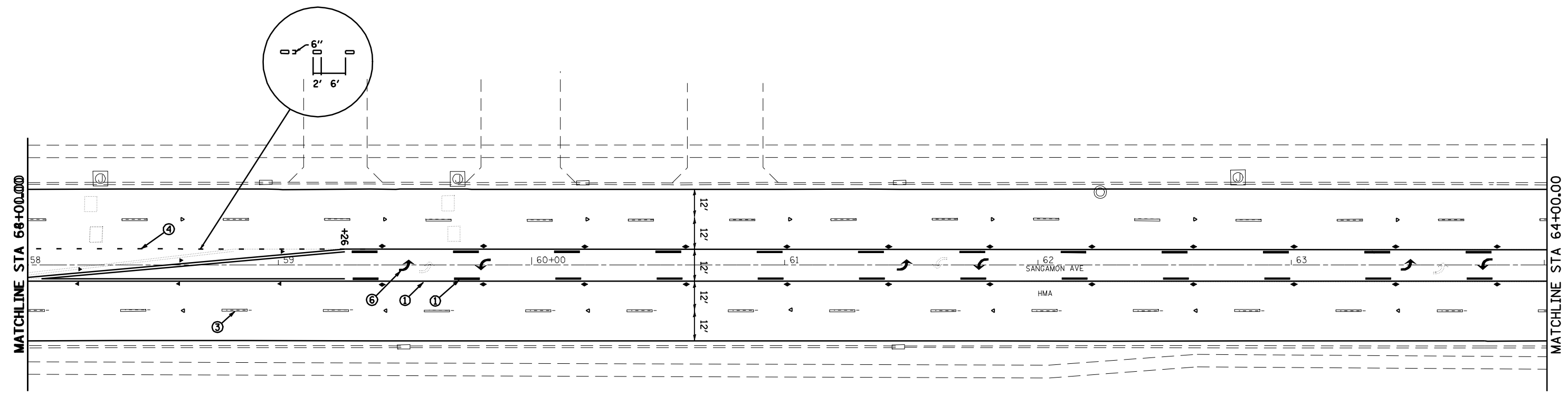
EXIST. CURVE 325
PI STA. = 98+83.13
Δ = 18° 50' 22" (LT)
D = 28° 38' 54"
R = 200.00'
T = 33.18'
L = 65.76'
E = 2.73'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 98+49.95
P.T. STA. = 99+15.71

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN VIEW F.A.P. (SANGAMON AVE.)			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	T92(RS-4)	SANGAMON	43	24
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				



RAISED REFLECTIVE PAVEMENT MARKER	
◀	- ONE-WAY AMBER MARKER
▷	- ONE-WAY CRYSTAL MARKER
◄	- TWO-WAY MARKER

[ADJ-WV] = WATER VALVES TO BE ADJUSTED
 [ADJ-F/L] = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

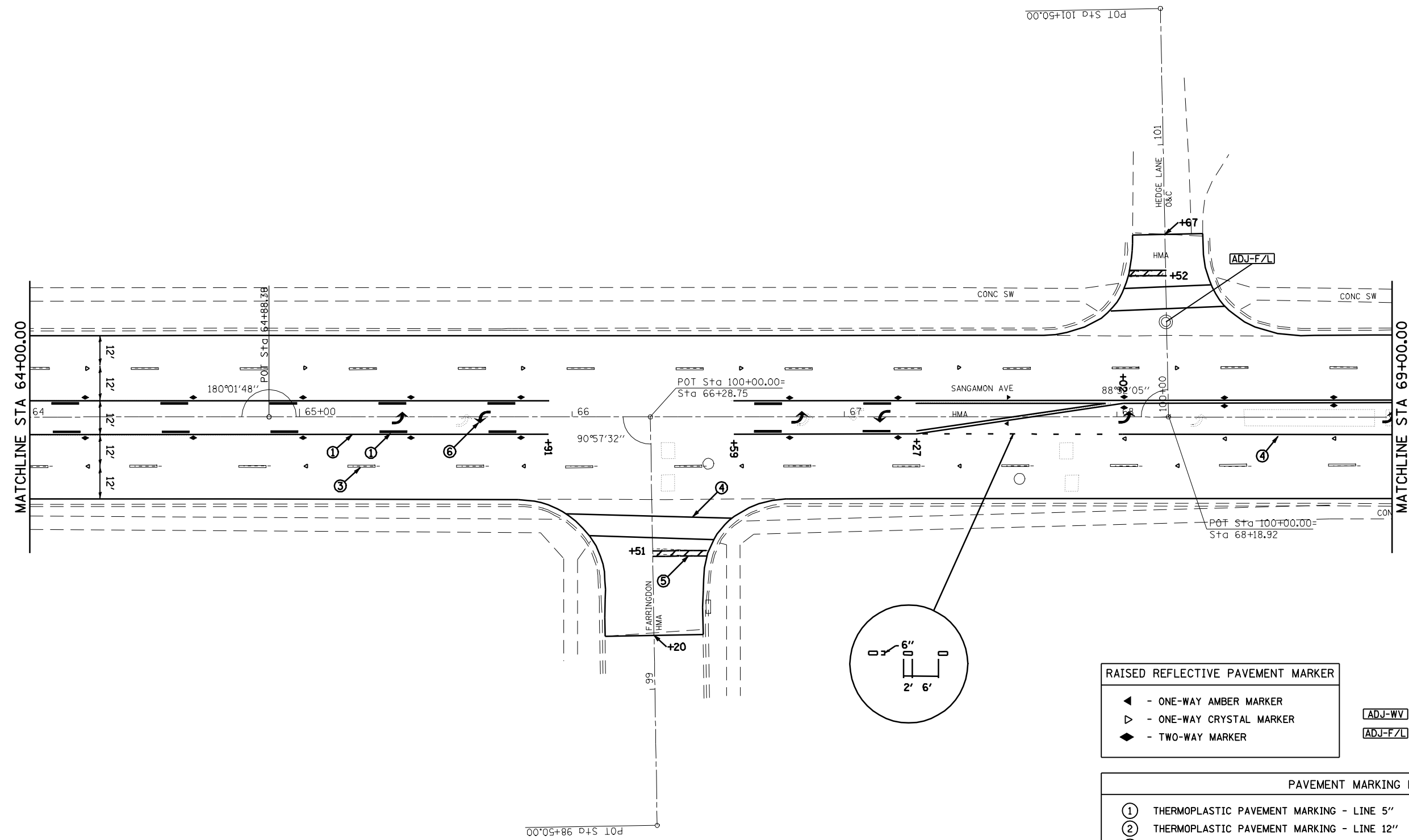
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
F.A.P. (SANGAMON AVE.)

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	T92(RS-4)	SANGAMON	43	25
CONTRACT NO.			72909	
ILLINOIS FED. AID PROJECT				



- RAISED REFLECTIVE PAVEMENT MARKER**
- ◄ - ONE-WAY AMBER MARKER
 - ▷ - ONE-WAY CRYSTAL MARKER
 - ◆ - TWO-WAY MARKER

- ADJ-WV** = WATER VALVES TO BE ADJUSTED
- ADJ-F/L** = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND			
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)	
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)	
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)	
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)	
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)	
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)	

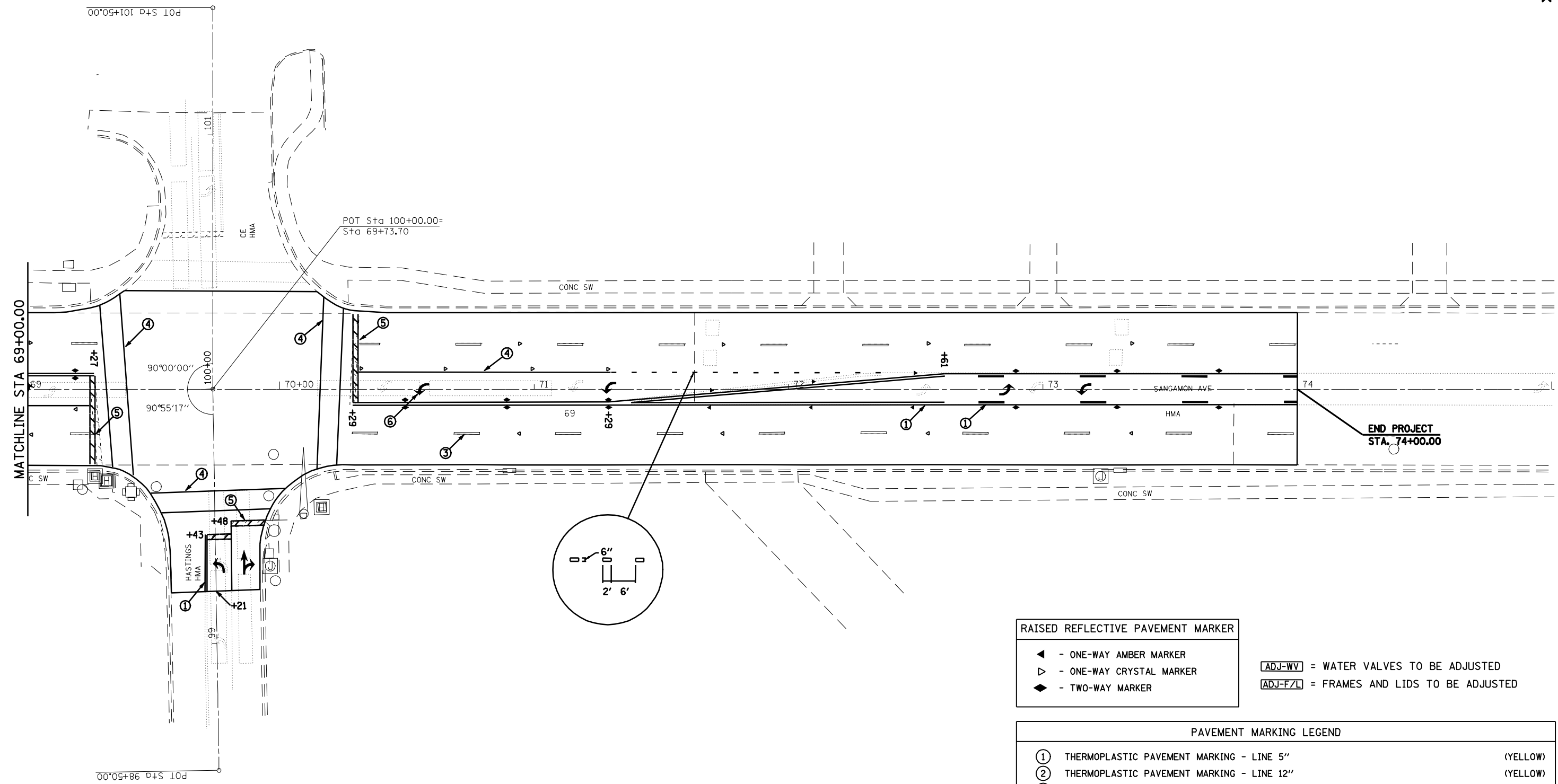
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN VIEW
F.A.P. (SANGAMON AVE.)**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	T92(RS-4)	SANGAMON	43	26
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	



RAISED REFLECTIVE PAVEMENT MARKER	
◀	- ONE-WAY AMBER MARKER
▷	- ONE-WAY CRYSTAL MARKER
◆	- TWO-WAY MARKER

[ADJ-WV] = WATER VALVES TO BE ADJUSTED
 [ADJ-F/L] = FRAMES AND LIDS TO BE ADJUSTED

PAVEMENT MARKING LEGEND		
①	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	(YELLOW)
②	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	(YELLOW)
③	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	(WHITE)
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	(WHITE)
⑤	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	(WHITE)
⑥	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	(WHITE)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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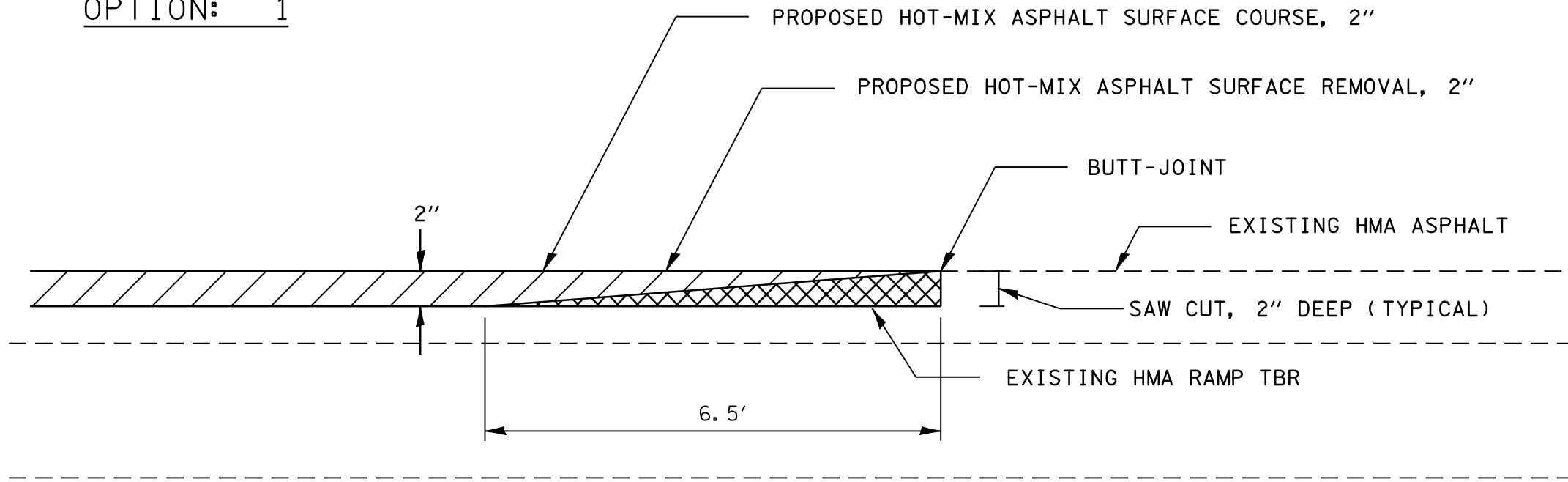
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN VIEW
F.A.P. (SANGAMON AVE.)

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

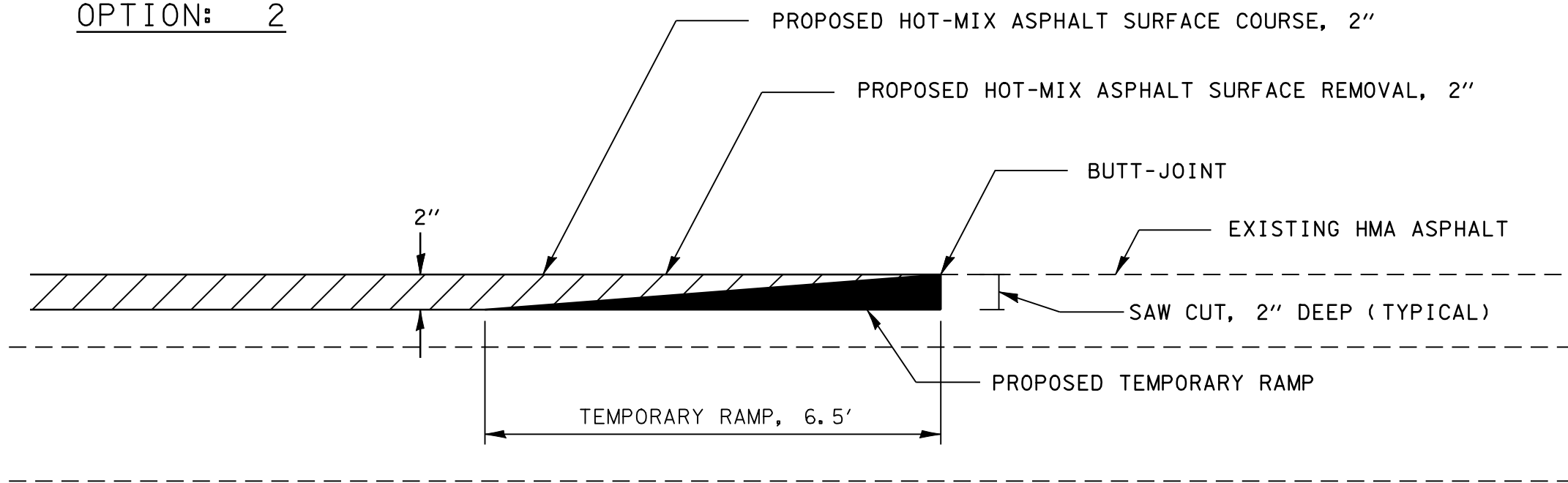
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	27
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	

OPTION: 1



NOTE: RAMPING DOWN DURING HOT-MIX ASPHALT SURFACE REMOVAL, 2" WILL NOT BE PAID FOR AS TEMPORARY RAMP.

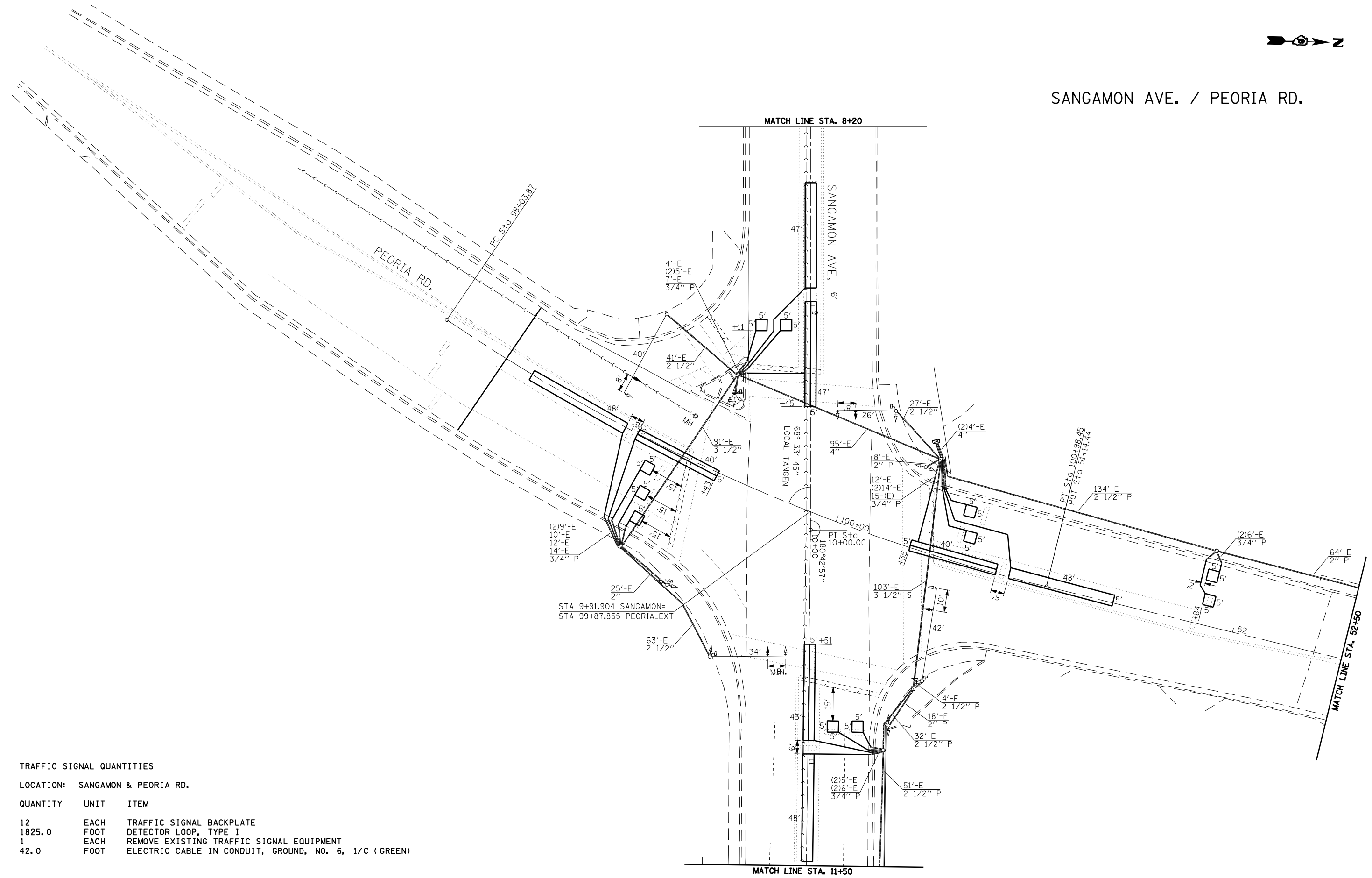
OPTION: 2



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT-JOINT DETAIL F.A.P. 667 (SANGAMON AVE.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Mar-25-2010 10:53:11AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



SANGAMON AVE. / PEORIA RD.



TRAFFIC SIGNAL QUANTITIES

LOCATION: SANGAMON & PEORIA RD.

QUANTITY	UNIT	ITEM
12	EACH	TRAFFIC SIGNAL BACKPLATE
1825.0	FOOT	DETECTOR LOOP, TYPE I
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
42.0	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1/C (GREEN)

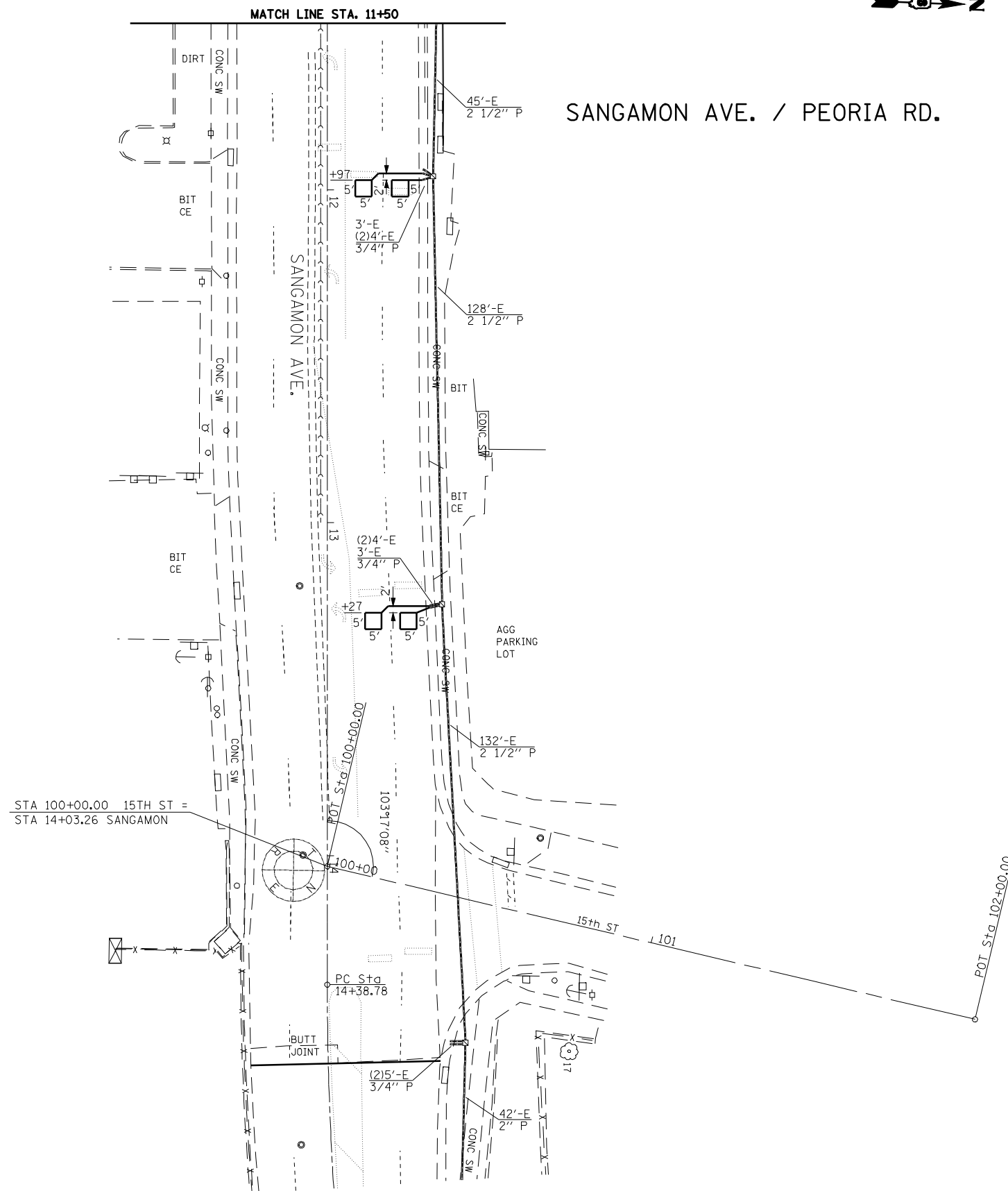
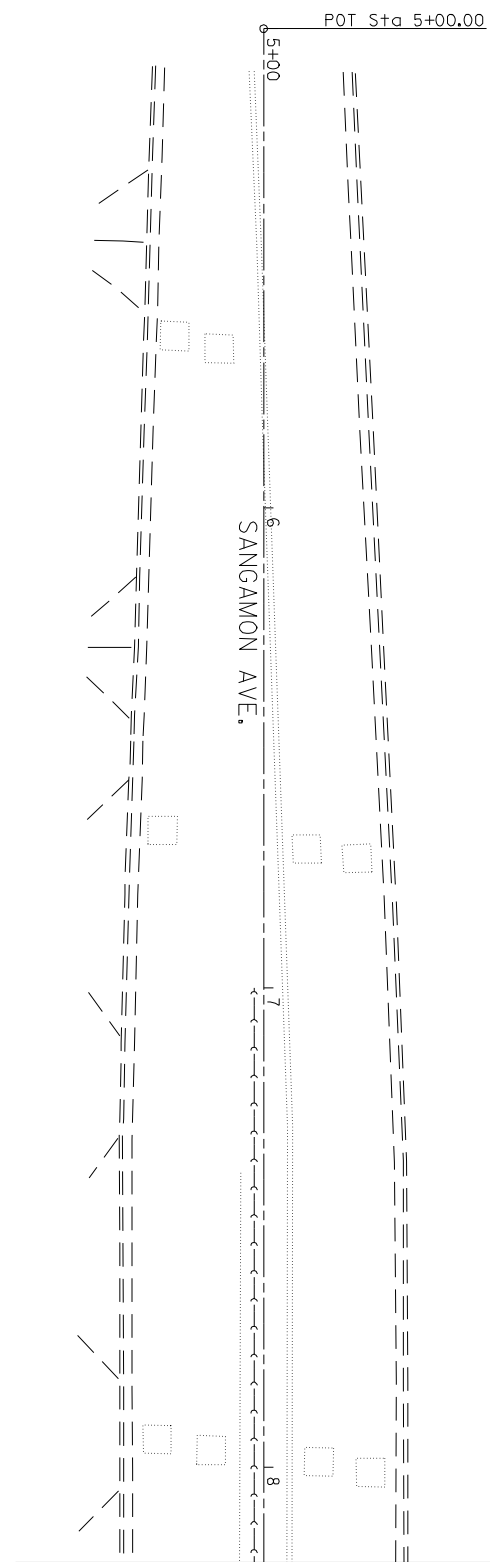
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN VIEW
F.A.P. 667 (SANGAMON AVE.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	29
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				



STA 100+00.00 15TH ST =
STA 14+03.26 SANGAMON

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN VIEW
F.A.P. 667 (SANGAMON AVE.)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	30
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				

[PHASE]	6	6	6	6	6	1	1	8	8	8	3	8	3	3	2	2	2	2	5	2	5	5	4	4	4	4	4	7	7	
	WLF	WLF	WLE	WLE	WLE	WLB	WLB	WLF	WLF	WLF	NRF	NLE	NRE	NRE	NLE	ERF	ERF	ERF	ERH	ERH	ELC	ELC	SLE	SLE	SLE	SRE	SLH	SLH	SLB	SLB
	3 PR	6 PR	6 PR	6 PR	6 PR	3 PR	3 PR	3 PR	6 PR	3 PR	3 PR	3 PR	6 PR	3 PR	3 PR	3 PR	3 PR	6 PR	6 PR	3 PR	3 PR	3 PR	3 PR	3 PR	6 PR	6 PR	6 PR	6 PR	6 PR	6 PR

2	2	3	3	3	5	7	7	7	7	7	7	7	7	9	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
G	O	O	O	O	Y	R	W	W	G	Y	W	G	B	G	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
Y	Y	R	W	G	R	R	W	W	Y	Y	G	R	R	R	W	Y	G	Y	G	Y	G	Y	G	Y	G	Y	G	Y	G	Y	G	Y	G

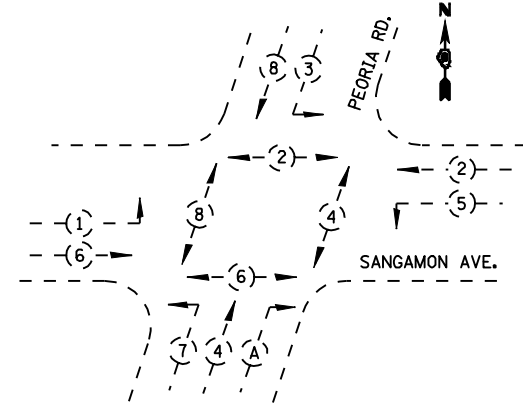
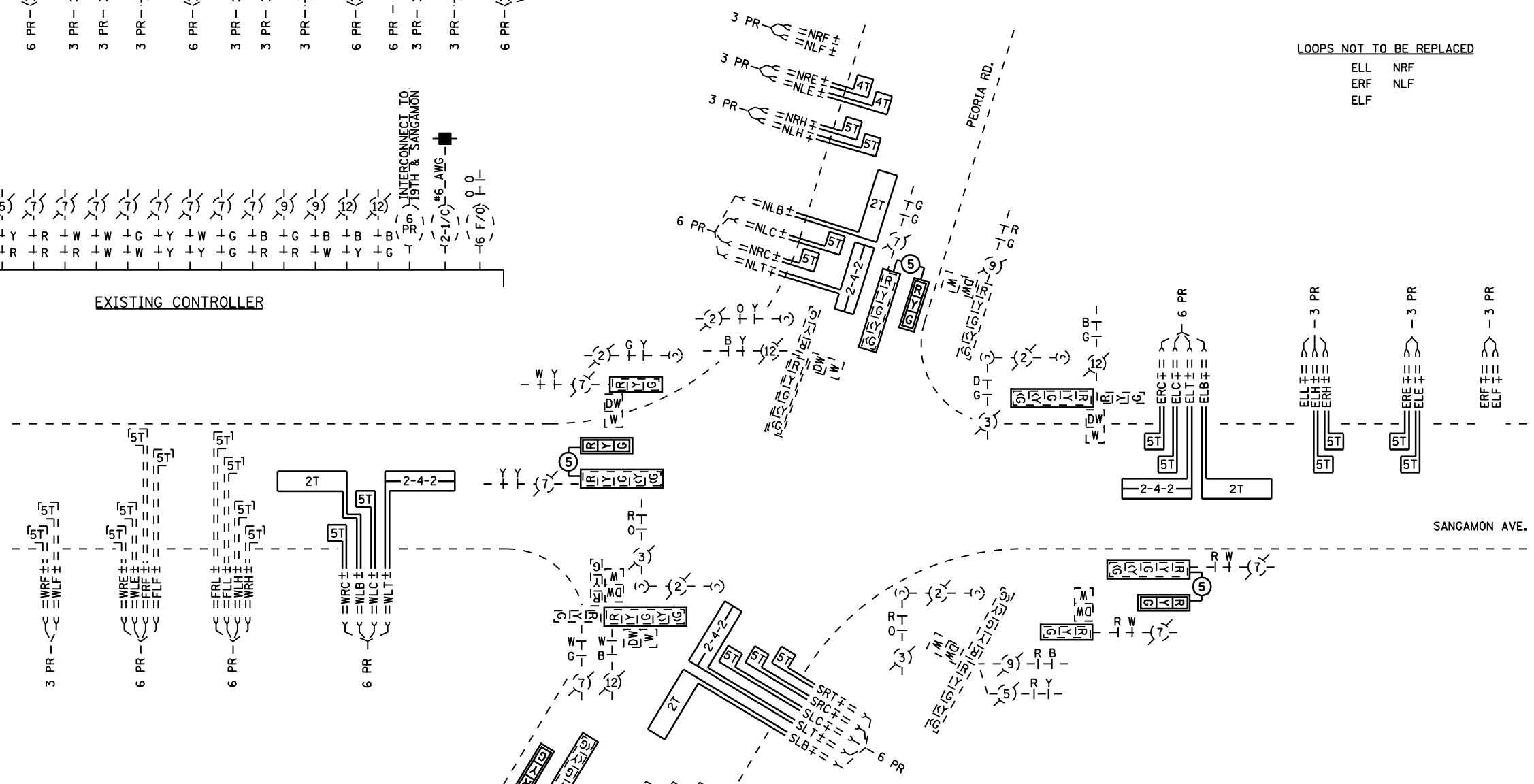
EXISTING CONTROLLER

SANGAMON AVE. / PEORIA RD.

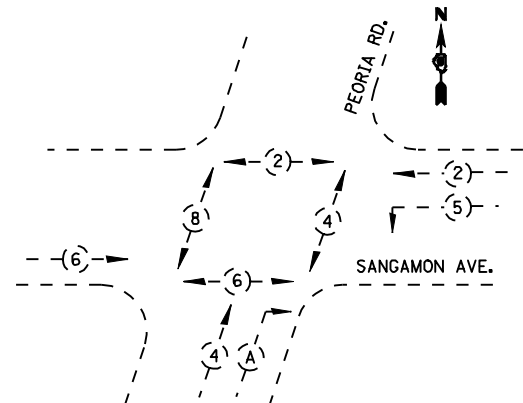


LOOPS NOT TO BE REPLACED

ELL NRF
ERF NLF
ELF



NORMAL OPERATIONS
PHASE DESIGNATION DIAGRAM



FAIR & EVENTS OPERATION
PHASE DESIGNATION DIAGRAM

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
e:\p\work\p\WIDOT\LAUGHLINRL\dna25514\0672909-shr-ta.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE = Mar-25-2010 10:53:19AM		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNAL WIRING DIAGRAM
F.A.P. 667 (SANGAMON AVE.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	32
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL QUANTITIES

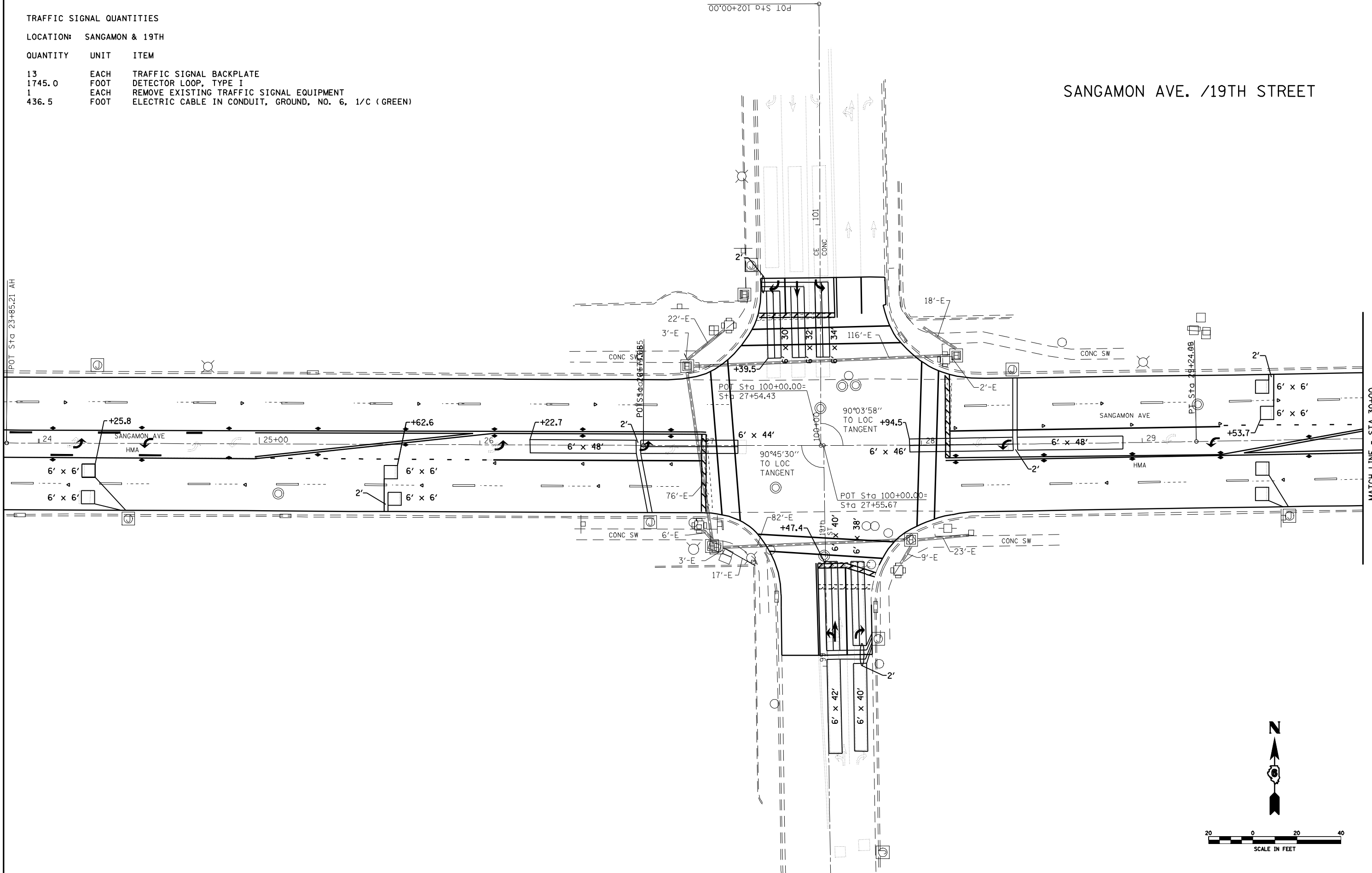
LOCATION: SANGAMON & 19TH

QUANTITY	UNIT	ITEM
13	EACH	TRAFFIC SIGNAL BACKPLATE
1745.0	FOOT	DETECTOR LOOP, TYPE I
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
436.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1/C (GREEN)

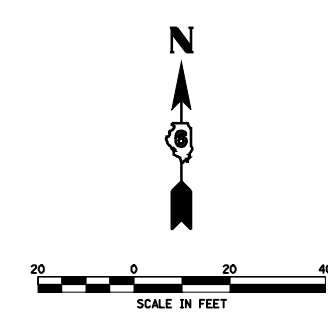
SANGAMON AVE. /19TH STREET

IPOT Sta 23+85.21 AH

00'00+201 P+S 10d



MATCH LINE - STA 30+00



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
er\pwork\PWIDOT\LAUGHLINRL\dms25514\0672909-shr-ts.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-25-2010 10:53:21AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN VIEW
F.A.P. 667 (SANGAMON AVE.)**

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

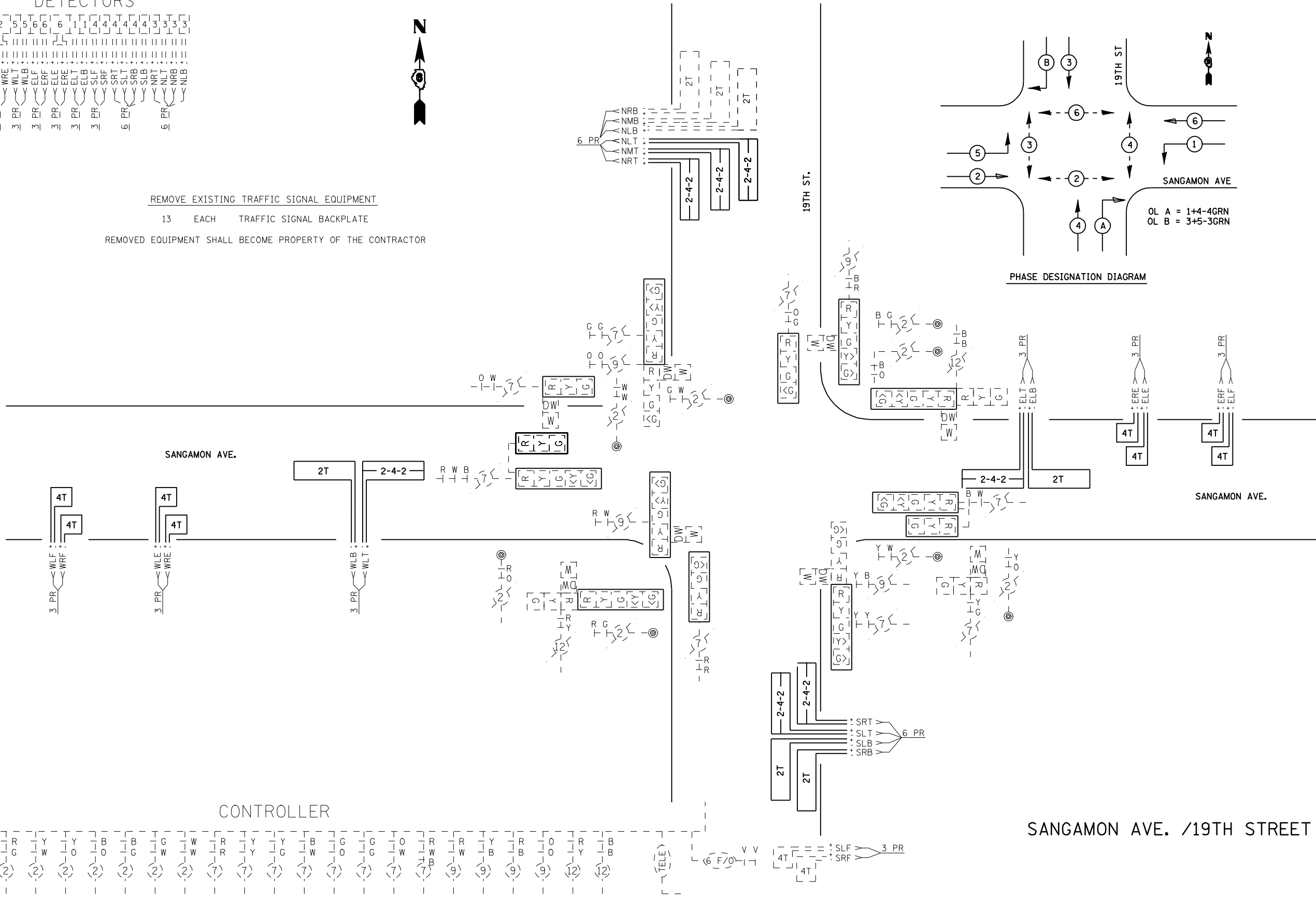
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	33
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				

DETECTORS

PHASE	2	2	2	5	5	6	6	1	1	4	4	4	4	4	3	3	3
WLF	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
WRF	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
WLE	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
WRE	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
WLT	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
WLB	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
ELF	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
ELE	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
ELT	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
ELB	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
SLF	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
SRF	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
SRT	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
SLT	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
SLB	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
SRB	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
NRT	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
NLT	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
NLB	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 13 EACH TRAFFIC SIGNAL BACKPLATE
 REMOVED EQUIPMENT SHALL BECOME PROPERTY OF THE CONTRACTOR



SANGAMON AVE. /19TH STREET

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNAL WIRING DIAGRAM F.A.P. 667 (SANGAMON AVE.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er\pwork\PWIDOT\LAUGHLINRL\dms25514\0672909-shr-ta.dgn		DRAWN -	REVISED -		667	792(RS-4)	SANGAMON	43	34	CONTRACT NO. 72909		
		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -									

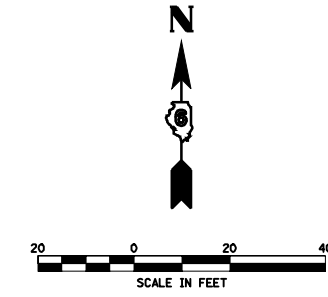
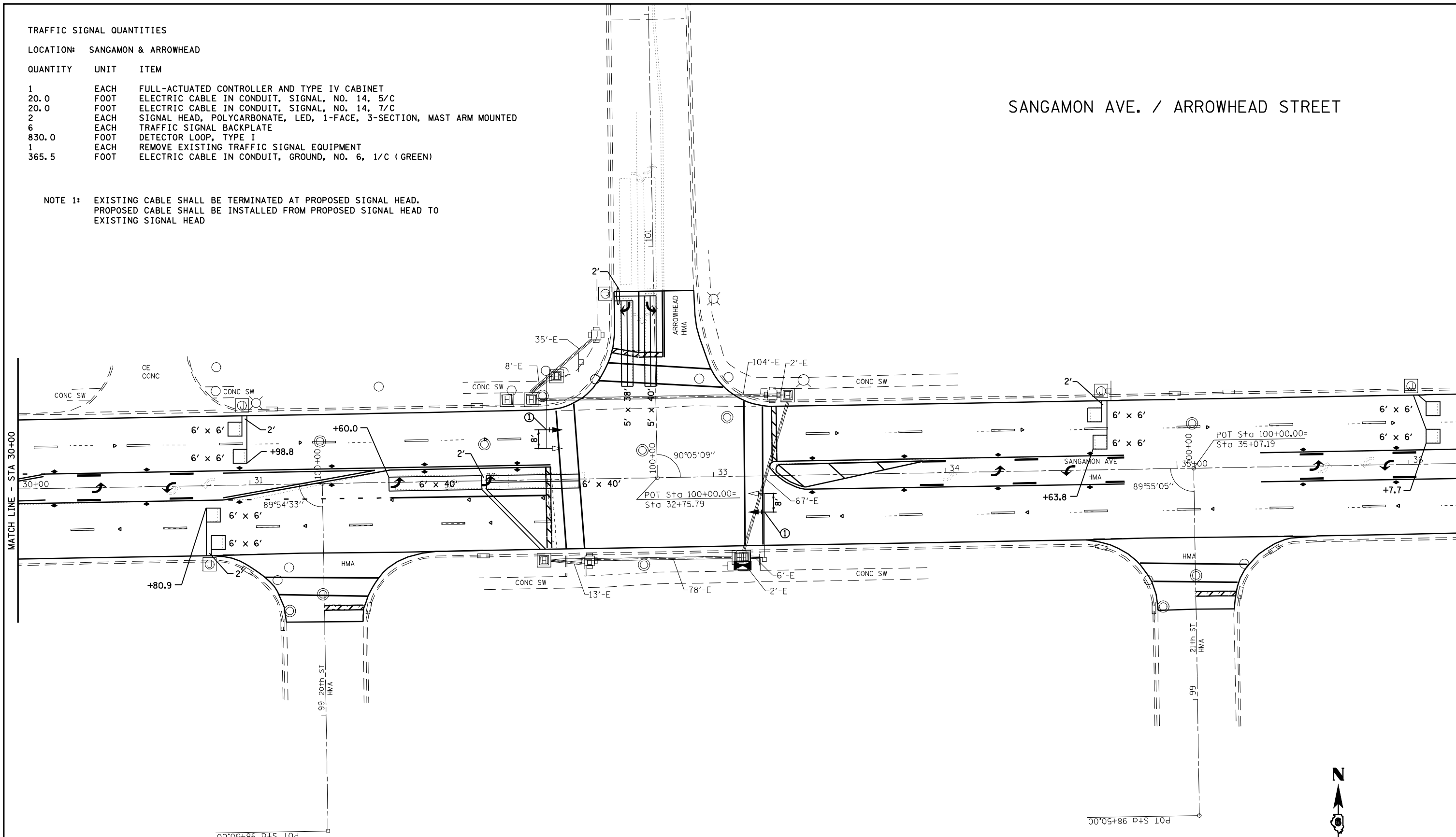
TRAFFIC SIGNAL QUANTITIES

LOCATION: SANGAMON & ARROWHEAD

QUANTITY	UNIT	ITEM
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5/C
20.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7/C
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
6	EACH	TRAFFIC SIGNAL BACKPLATE
830.0	FOOT	DETECTOR LOOP, TYPE I
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
365.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1/C (GREEN)

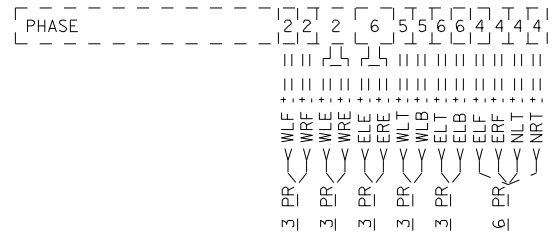
SANGAMON AVE. / ARROWHEAD STREET

NOTE 1: EXISTING CABLE SHALL BE TERMINATED AT PROPOSED SIGNAL HEAD.
PROPOSED CABLE SHALL BE INSTALLED FROM PROPOSED SIGNAL HEAD TO
EXISTING SIGNAL HEAD

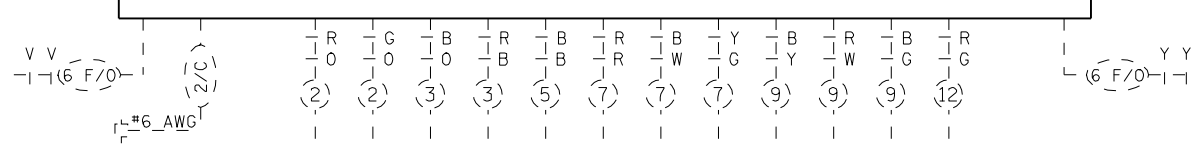


FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL PLAN VIEW F.A.P. 667 (SANGAMON AVE.)			F.A.P. -	SECTION	COUNTY	TOTAL	SHEET	
er:\pw\work\PWIDOT\LAUGHLINRL\dms25514\10672909-shr-ta.dgn	DRAWN -	REVISED -	667					792(RS-4)	SANGAMON	SHEETS	NO.		
PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -	CONTRACT NO. 72909										
PLOT DATE = Mar-25-2010 10:53:25AM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.		

DETECTORS



PROPOSED CONTROLLER

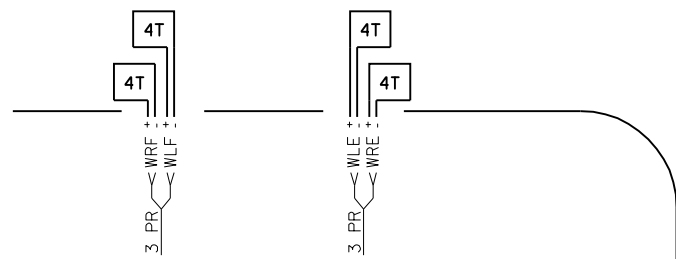


REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH CONTROLLER AND CABINET

REMOVED BACKPLATES SHALL BECOME PROPERTY OF THE CONTRACTOR. REMOVED CONTROLLER AND CABINET SHALL BE DELIVERED TO CWLP, 1600 GROTH ST. SPRINGFIELD, IL

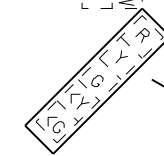
SANGAMON AVE.



20TH ST.



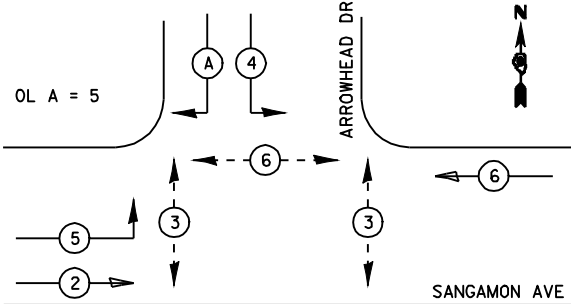
ARROWHEAD DR.



SANGAMON AVE.

21ST ST.

OL A = 5



PROPOSED PHASE DESIGNATION DIAGRAM

PHASE 3 IS EXCLUSIVE PED

SANGAMON AVE. / ARROWHEAD STREET

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
er\pwork\pwidot\LAUGHLINRL\dms25514\0672909-shr-ta.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-25-2010 10:53:27AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNAL WIRING DIAGRAM
F.A.P. 667 (SANGAMON AVE.)

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

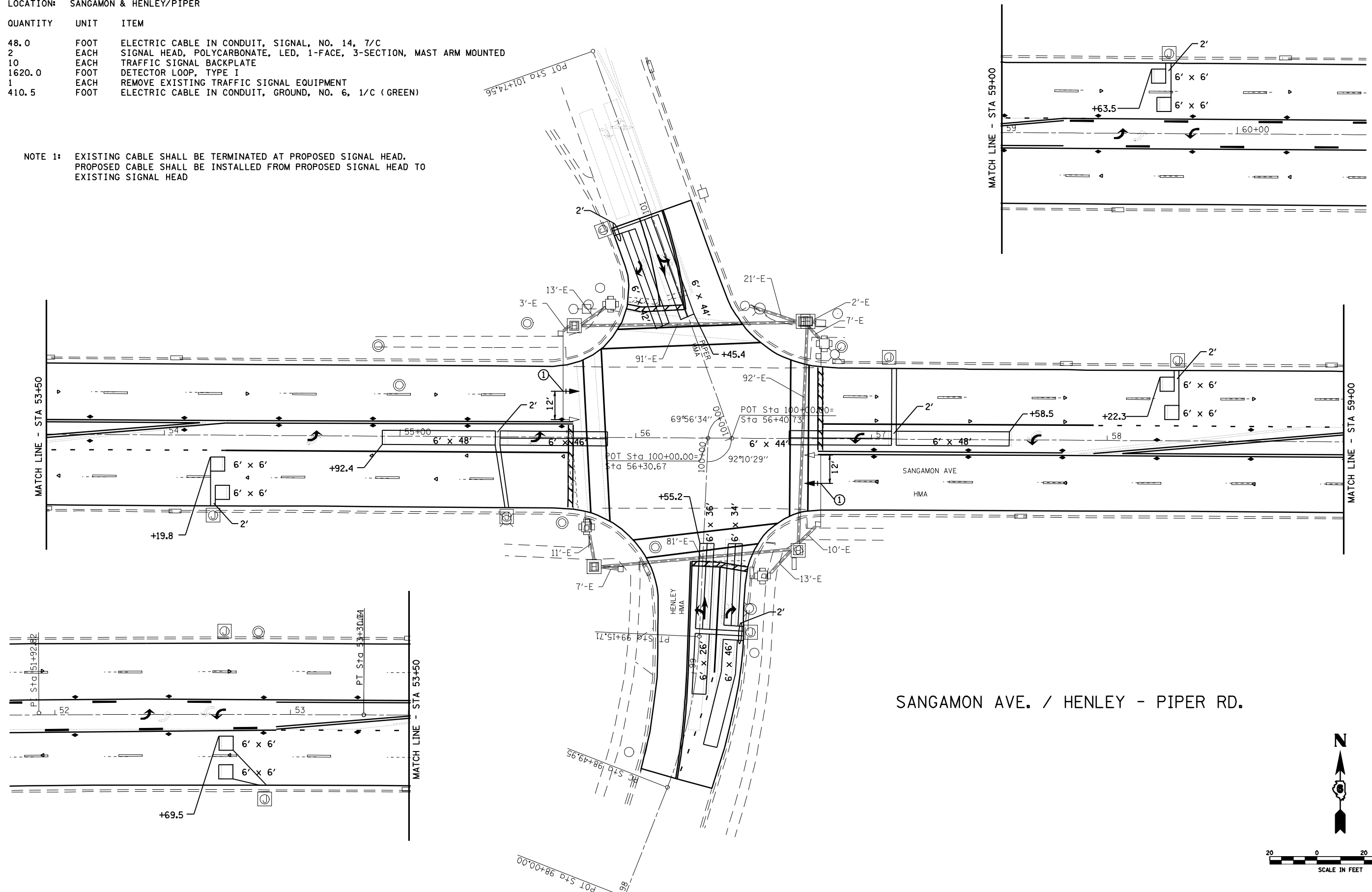
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	36
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL QUANTITIES

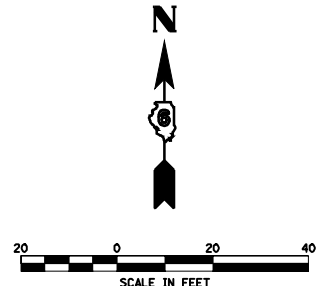
LOCATION: SANGAMON & HENLEY/PIPER

QUANTITY	UNIT	ITEM
48.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7/C
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
10	EACH	TRAFFIC SIGNAL BACKPLATE
1620.0	FOOT	DETECTOR LOOP, TYPE I
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
410.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1/C (GREEN)

NOTE 1: EXISTING CABLE SHALL BE TERMINATED AT PROPOSED SIGNAL HEAD. PROPOSED CABLE SHALL BE INSTALLED FROM PROPOSED SIGNAL HEAD TO EXISTING SIGNAL HEAD

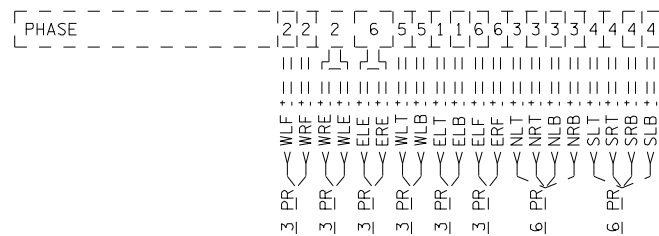


SANGAMON AVE. / HENLEY - PIPER RD.

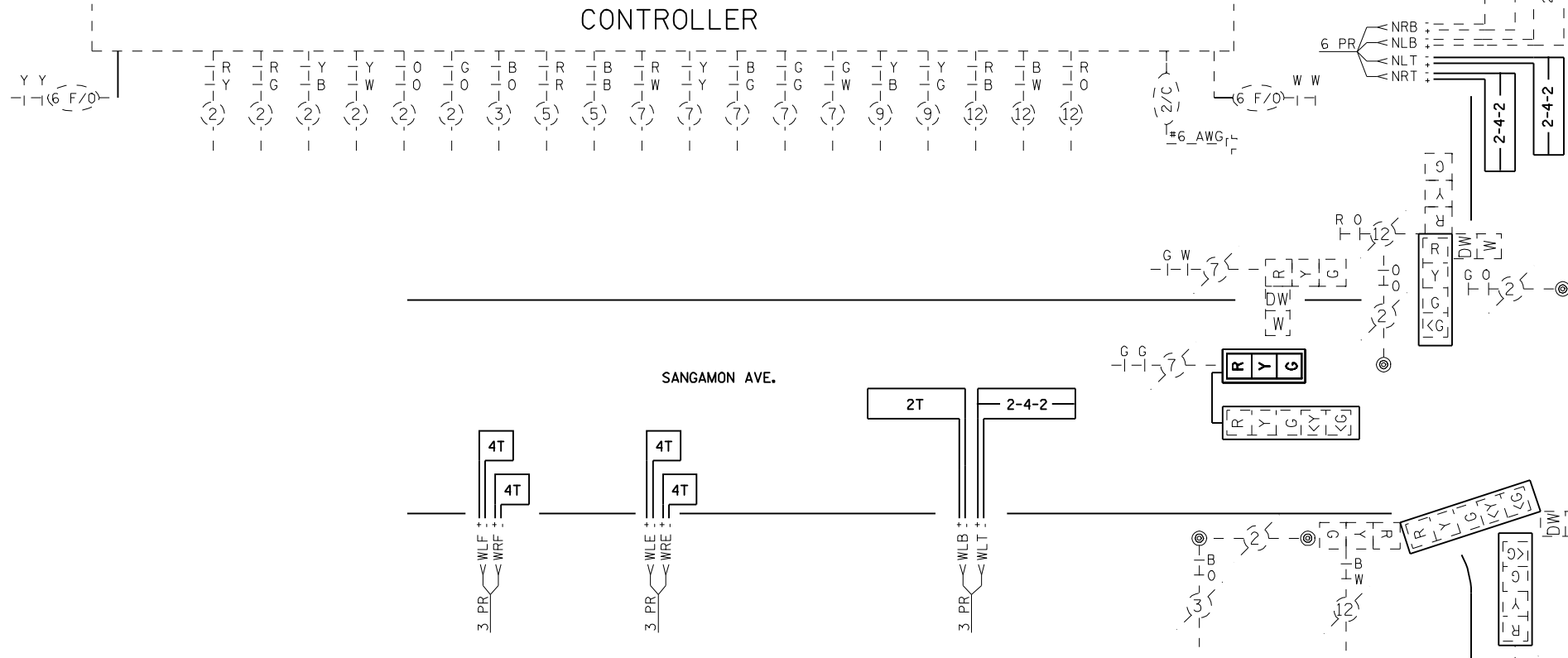


FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL PLAN VIEW F.A.P. 667 (SANGAMON AVE.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er\pwork\p\WIDOT\LAUGHLINRL\dms25514\0672909-shr-ta.dgn		DRAWN -	REVISED -		667	792(RS-4)	SANGAMON	43	37			
PLOT SCALE = 48.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 72909							
PLOT DATE = Mar-25-2010 10:53:29AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

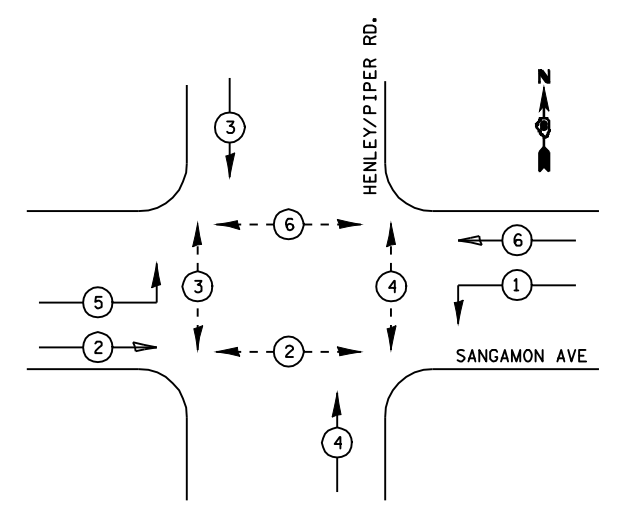
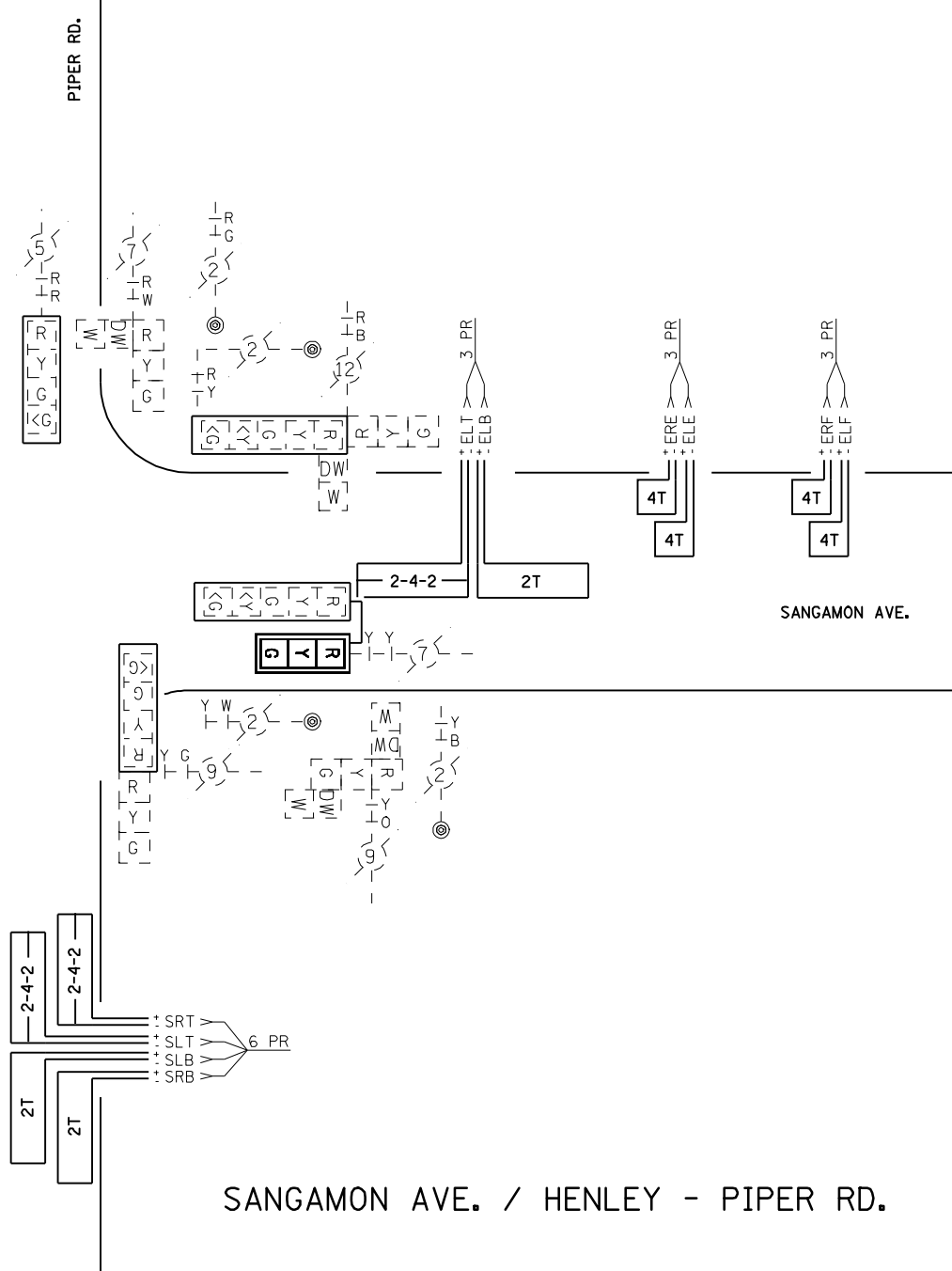
DETECTORS



CONTROLLER



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 8 EACH TRAFFIC SIGNAL BACKPLATE
 REMOVED EQUIPMENT SHALL BECOME PROPERTY OF THE CONTRACTOR



PHASE DESIGNATION DIAGRAM

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
e:\pwork\pwidot\LAUGHLINRL\dms25514\0672909-shr-ta.dgn		DRAWN -	REVISED -
	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-25-2010 10:53:31AM	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNAL WIRING DIAGRAM
 F.A.P. 667 (SANGAMON AVE.)

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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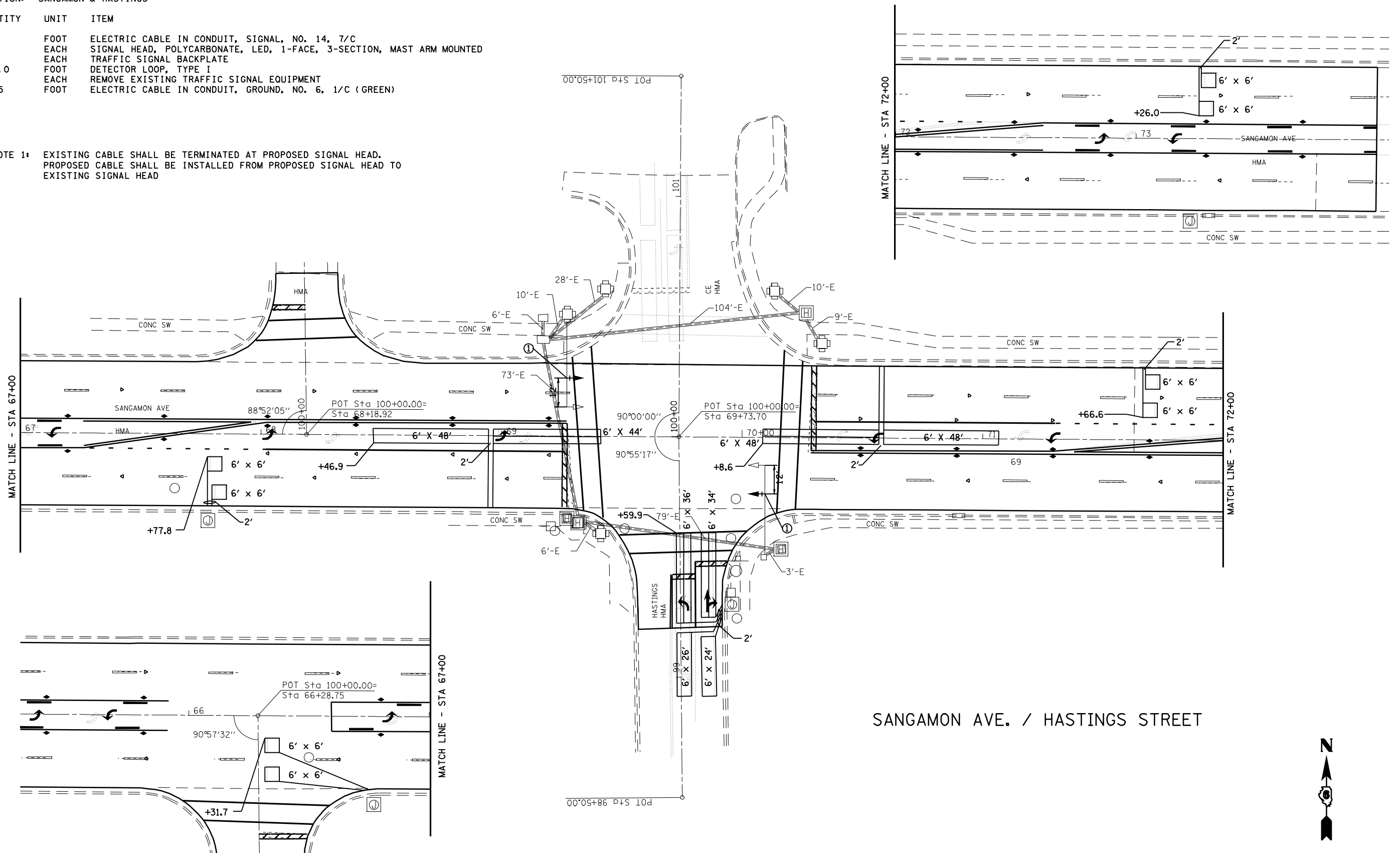
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	38
CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL QUANTITIES

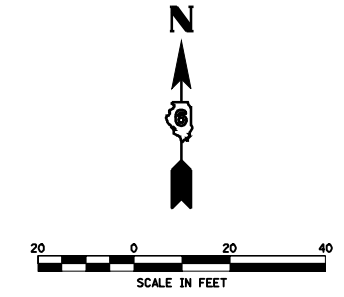
LOCATION: SANGAMON & HASTINGS

QUANTITY	UNIT	ITEM
48.0	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7/C
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
9	EACH	TRAFFIC SIGNAL BACKPLATE
1354.0	FOOT	DETECTOR LOOP, TYPE I
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
381.5	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6, 1/C (GREEN)

NOTE 1: EXISTING CABLE SHALL BE TERMINATED AT PROPOSED SIGNAL HEAD. PROPOSED CABLE SHALL BE INSTALLED FROM PROPOSED SIGNAL HEAD TO EXISTING SIGNAL HEAD

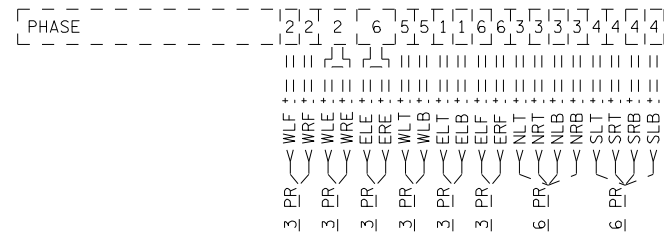


SANGAMON AVE. / HASTINGS STREET

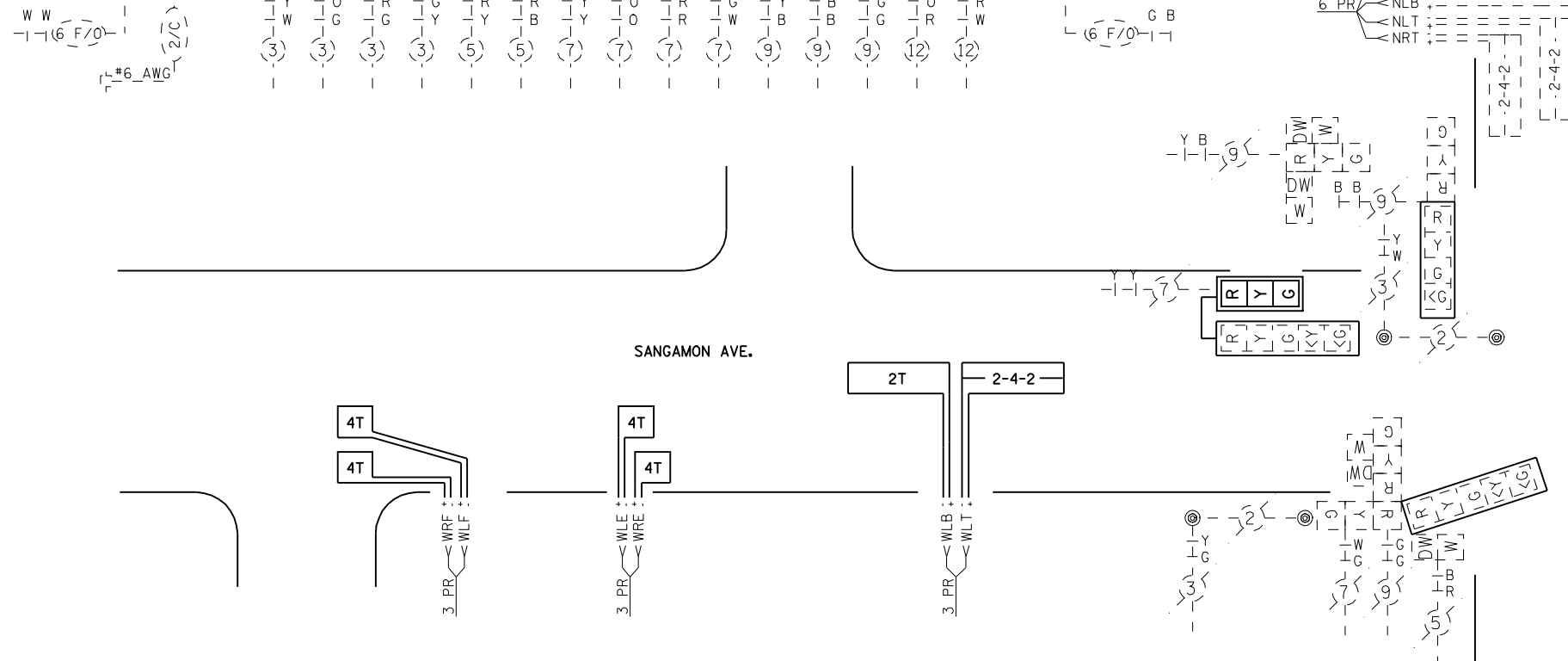


FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL PLAN VIEW F.A.P. 667 (SANGAMON AVE.)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er:\pwork\pwidot\LAUGHLINRL\dms25514\0672909-shr-ta.dgn	PLOT SCALE = 48.0000' / IN.	DRAWN -	REVISED -					667	792(RS-4)	SANGAMON	43	39
PLOT DATE = Mar-25-2010 10:53:33AM	DATE -	CHECKED -	REVISED -		CONTRACT NO. 72909			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

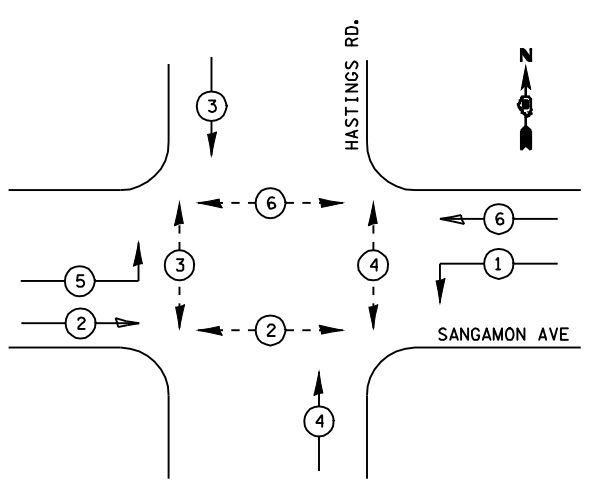
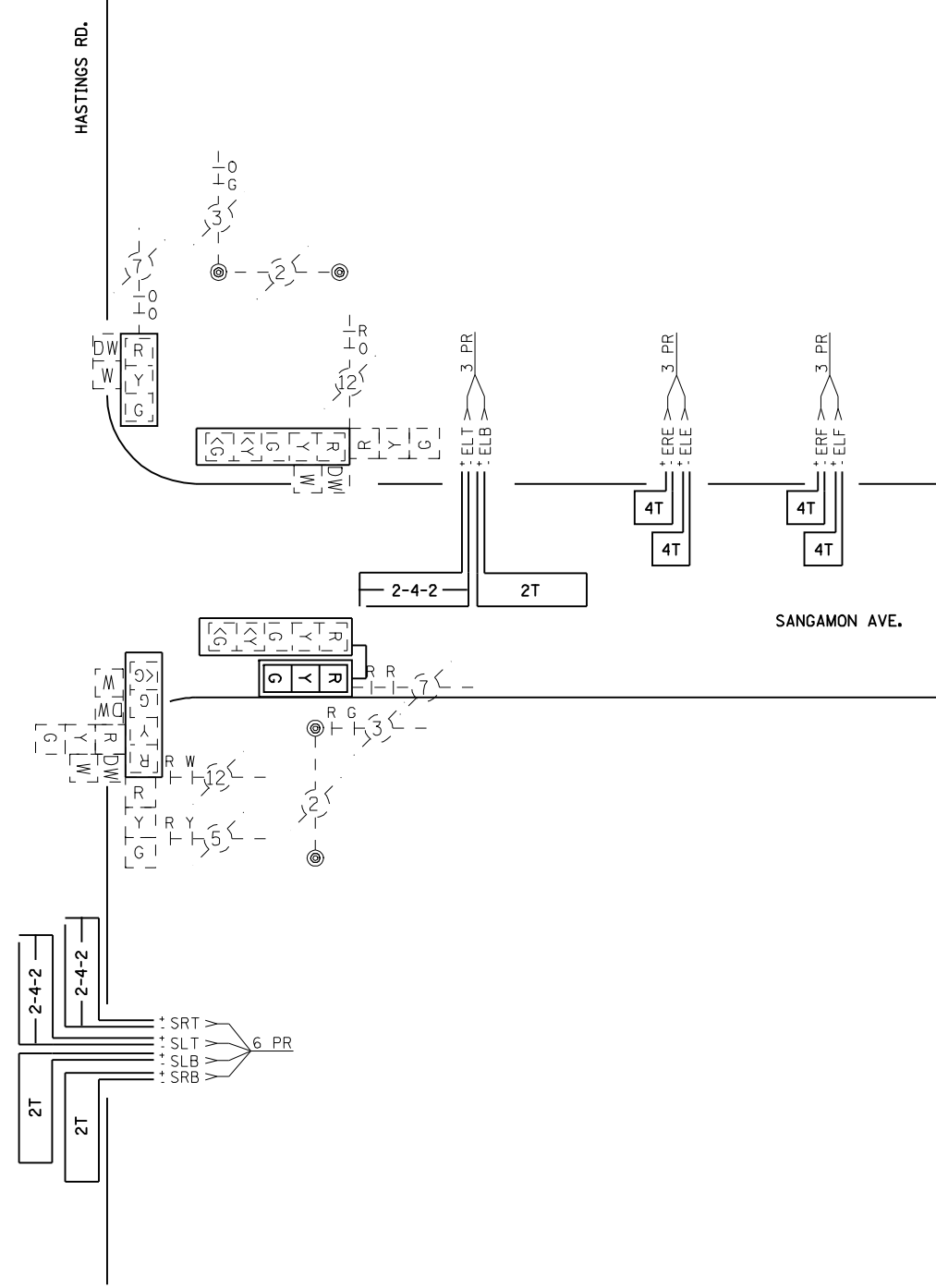
DETECTORS



CONTROLLER



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 7 EACH TRAFFIC SIGNAL BACKPLATE
 REMOVED EQUIPMENT SHALL BECOME PROPERTY OF THE CONTRACTOR



PHASE DESIGNATION DIAGRAM

SANGAMON AVE. / HASTINGS STREET

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
e:\pwork\pwid001\LAUGHLINRL\dms25514\0672909-shr-ta.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = Mar-25-2010 10:53:35AM	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

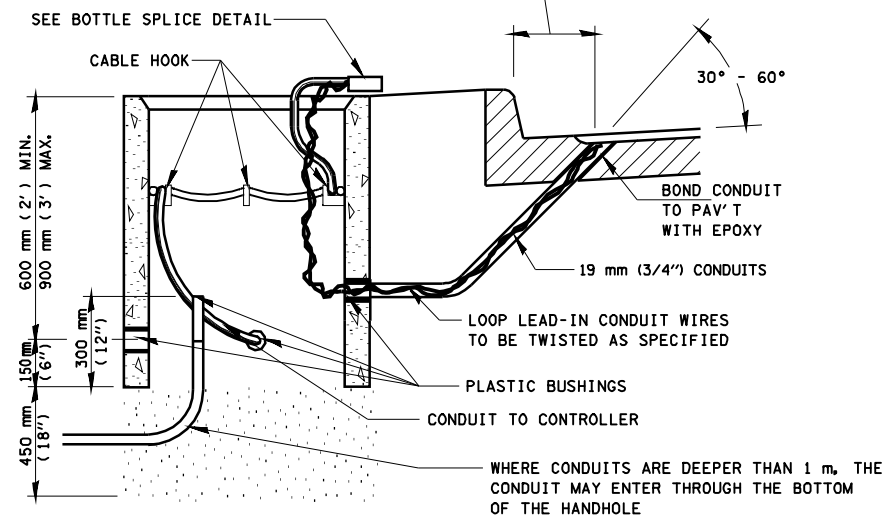
SIGNAL WIRING DIAGRAM
 F.A.P. 667 (SANGAMON AVE.)

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

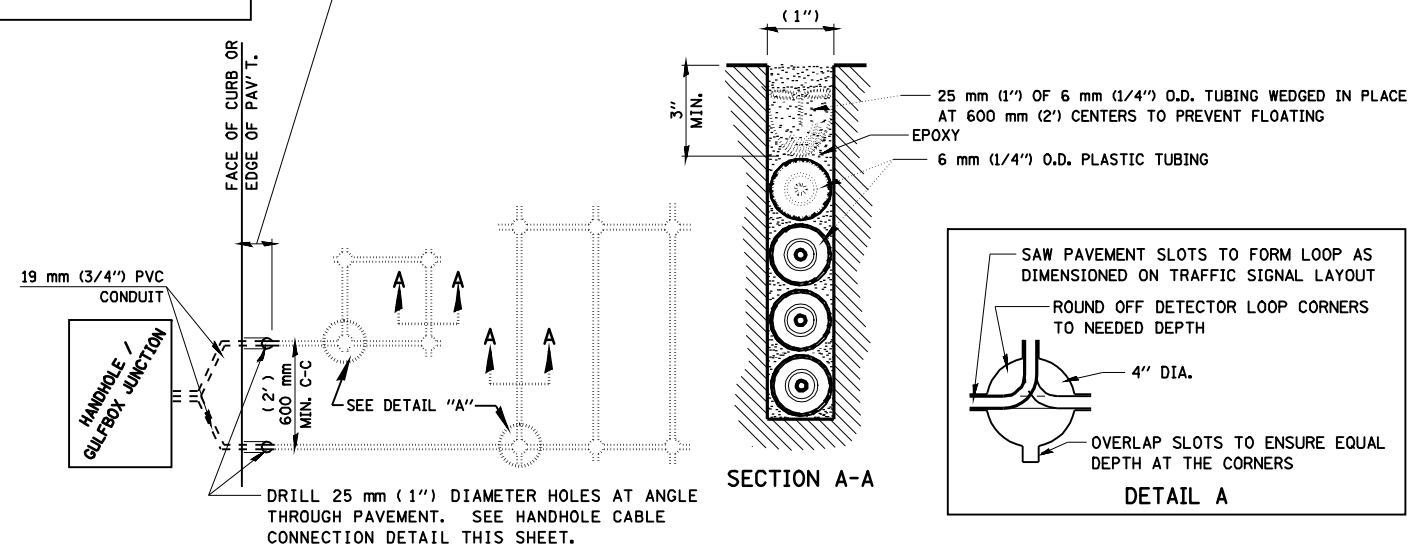
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
667	792(RS-4)	SANGAMON	43	40
CONTRACT NO. 72909				
ILLINOIS FED. AID PROJECT				

LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

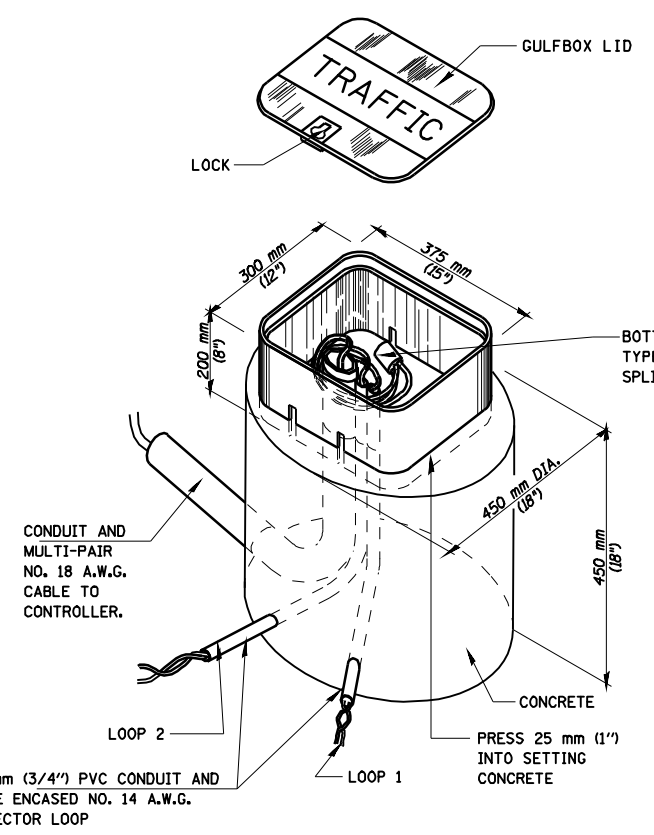
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB.
IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 150 mm (6").



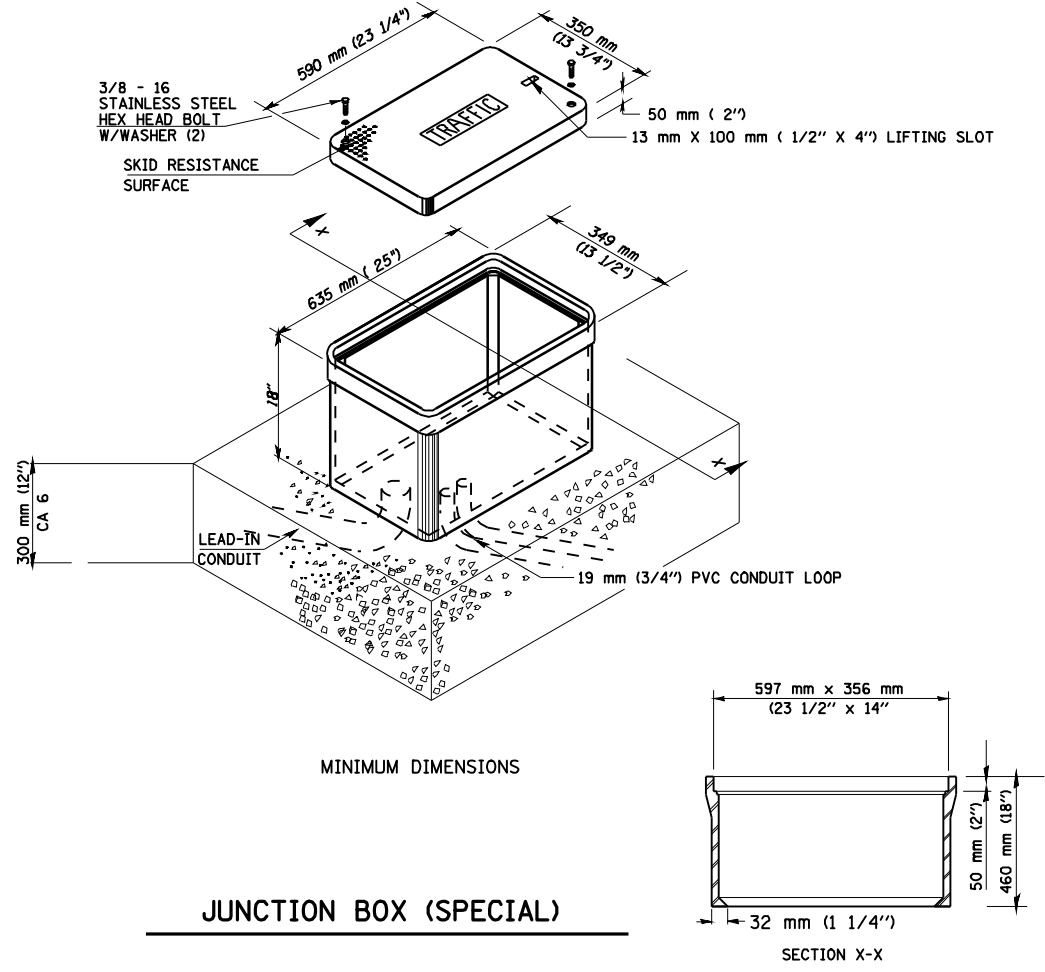
HANDHOLE CABLE CONNECTIONS



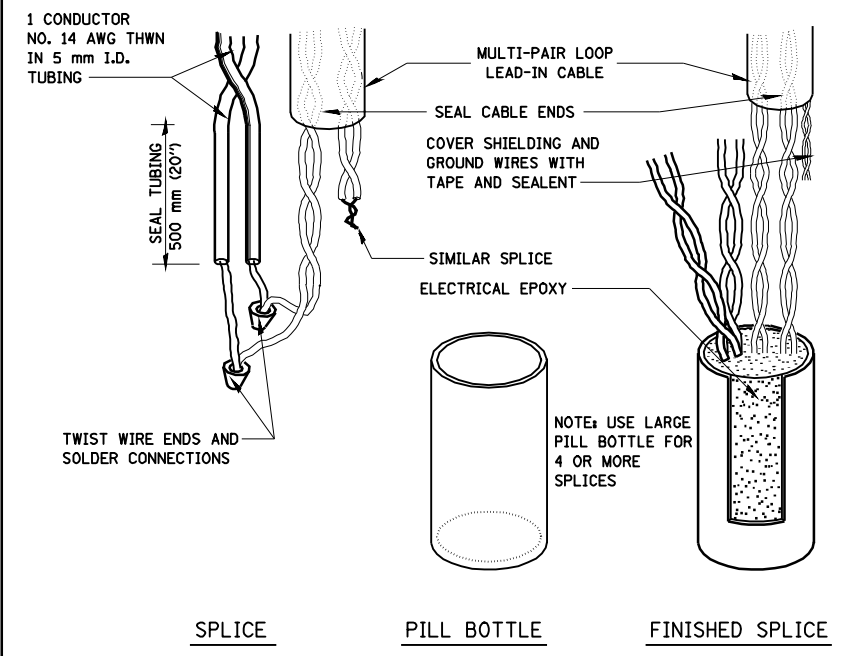
PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE



GULFBOX JUNCTION DETAIL
(SHOWING CONNECTION OF TUBE-ENCASED DETECTOR LOOP TO MULTI-PAIR LEAD-IN CABLE)



JUNCTION BOX (SPECIAL)



BOTTLE SPLICE DETAIL

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL WIRING DIAGR F.A.P. 667 (SANGAMON AVE.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
e:\pwwork\pwwid01\LAUGHLINRL\dms25514\0672909-shr-ta.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -			667	79Z(RS-4)	SANGAMON	43	41	
	PLOT DATE = Mar-25-2010 10:53:37AM	CHECKED -	REVISED -			CONTRACT NO. 72909					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING) SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNI-DUCT)
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		SIDEWALK REMOVAL IN SQ M (SQ FT)
		PC CONC SDWLK 100 mm IN SQ M (SQ YD)
		PC CONC SDWLK 100 mm SPECIAL IN SQ M (SQ YD)

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		200 mm (8") SIGNAL SECTION
		300 mm (12") SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		225 mm (9") PEDESTRIAN SIGNAL FACE
		300 mm (12") PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO DETECTION CAMERA
		EMERGENCY VEHICLE PREEMPTOR

