

09-19-14 LETTING ITEM 042

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

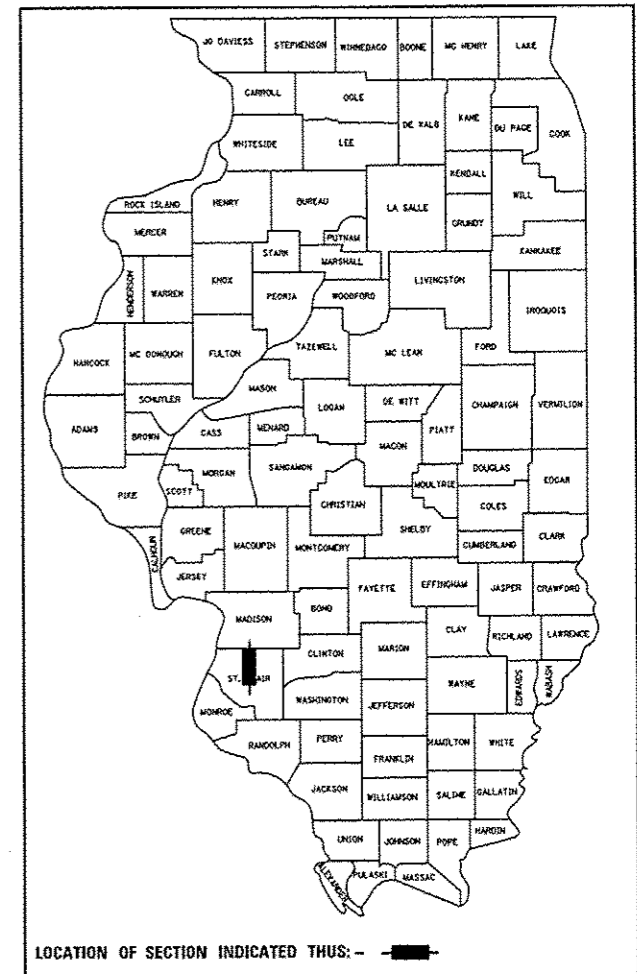
FAP ROUTE 600 (IL 159)
SECTION (130-1, 130-2)RS-2

PATCHING, MILLING, RESURFACING AND GUARDRAIL REPLACEMENT
ST CLAIR COUNTY

C-98-043-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST CLAIR	36	1
		ILLINOIS	CONTRACT NO. 76G55	

D-98-042-14



FOR INDEX OF SHEETS, SEE SHEET NO. 2

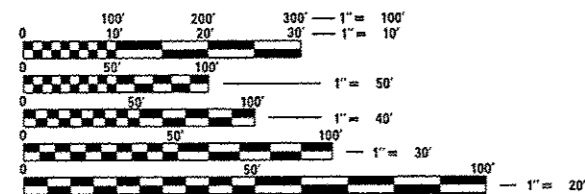
TRAFFIC DATA- N OF I-64
ADT CURRENT = 22100
ADT 2035 = 29400
SU = 4.1%
MU = 1.6%

TRAFFIC DATA- N OF LINCOLN HWY
ADT CURRENT = 30600
ADT 2035 = 40700
SU = 1.6%
MU = 0.8%

TRAFFIC DATA- N OF FRANK SCOTT PKWY
ADT CURRENT = 27500
ADT 2035 = 36500
SU = 3.1%
MU = 1.5%

TRAFFIC DATA- S OF HUNTWOOD DR
ADT CURRENT = 23700
ADT 2035 = 34500
SU = 2.9%
MU = 1.4%

FUNCTIONAL CLASSIFICATION: OTHER ARTERIAL



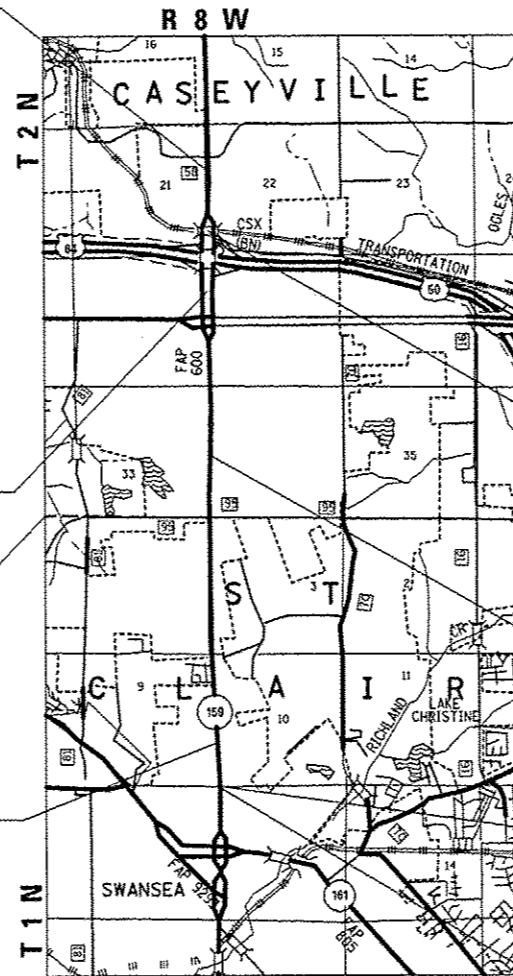
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MICHAEL PRITCHETT (618)346-3180
DESIGNER: MIKE BERG (618)346-3207

CONTRACT NO. 76G55

END PROJECT
376 + 69.28
LAT: 38.606116
LONG: -89.985131



OMISSION
STA. 339 + 94.85
TO
STA. 357 + 30.20

TOWNSHIP
BOUNDARY

RESURFACING OMISSION
STA. 179 + 89.12
TO
STA. 198 + 42.45

RESURFACING OMISSION
STA. 363 + 87.12
TO
STA. 365 + 37.53

RESURFACING OMISSION
STA. 296 + 81.54
TO
STA. 306 + 90.87

BEGIN RESURFACING
STA. 156 + 31.45

BEGIN PROJECT
STA. 152 + 90.00
LAT: 38.54481474
LONG: -89.98396601

GROSS LENGTH = 22,379.28 FT. = 4.24 MILE
NET LENGTH = 20,493 FT. = 3.88 MILE

ST. CLAIR TOWNSHIP
CASEYVILLE TOWNSHIP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED July 10 20 14

Jeffrey J. Kern
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Aug 15 20 14
John D. Baranzelli, P.E., P.
ENGINEER OF DESIGN AND ENVIRONMENT

Aug 15 20 14
Orser Osman, P.E., P.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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GENERAL NOTES

1. FLUORESCENT ORANGE "ROAD CONSTRUCTION AHEAD" SIGNS (48"X48") SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL NOT BE MEASURED FOR PAYMENT. COST SHALL BE INCLUDED IN THE VARIOUS TRAFFIC CONTROL PAY ITEMS.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 or 811) OR FOR NON- MEMBERS, THE UTILITY COMPANY DIRECTLY.

UTILITY

	ABOVE GROUND	BELOW GROUND
•AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
•AT&T ILLINOIS	X	X
•BUCKEYE PIPE LINE COMPANY		X
•CASEYVILLE TOWNSHIP ADVANCED WASTEWATER TREATMENT SYSTEM		X
•CHARTER COMMUNICATIONS, INC	X	X
•CLEARWAVE COMMUNICATIONS	X	X
•CITY OF FAIRVIEW HEIGHTS		X
•ILLINOIS AMERICAN WATER COMPANY		X
•CITY OF O'FALLON		X
•QWEST COMMUNICATIONS	X	X
•ST. CLAIR TOWNSHIP SEWER		X
•VILLEGE OF SWANSEA		X

MEMBERS OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY AN *. NON-JULIE MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

3. UTILITY INTERFERENCES ARE NOT ANTICIPATED ON THIS CONTRACT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS. NO ADDITIONAL COST SHALL BE ADDED TO THE CONTRACT RESULTING FROM UTILITY CONFLICTS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING OF MATERIALS AND BEGINNING CONSTRUCTION.
5. THE THICKNESS OF THE HMA MIXTURE 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 HMA MIXTURE IS PLACED.
6. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRATOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT LIMITED SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
8. THE PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER QUANTITIES SHOWN IN THE SCHEDULE IS APPROXIMATE. THE LOCATION OF THE PROPOSED MARKINGS SHALL MATCH EXISTING LOCATIONS, EXCEPT AS SHOWN ON PLAN DETAILS.
9. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

10. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAP 600 (IL 159)
SECTION	(130-1, 130-2)RS-2
COUNTY	St. Clair
CONTRACT	76655

DESCRIPTION:	3P resurfacing on IL Route 159 from 0.1 mile north of Fountains Parkway to 0.1 mile north of Rosewood Village Drive In Swansea
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ADT (Construction Yr):	31500
MUX:	1.5
SUX:	3.2
20 YR. ESAL'S:	4.41

MIXTURE USE	POLY SURFACE	LEVEL BINDER	SHOULDERS • 2.25"
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	See Contract RAP Special Provision
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	
MIX COMPOSITION			**2.0% @ Ndes=30
(GRADATION MIXTURE)	IL 9.5	IL 9.5 FG	NMAS 3/4"
FRICTION AGG	MIXTURE "E"	MIXTURE "C"	
QUALITY MGMT PROGRAM	OCP	OCP	OCP

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

11. FOR CLASS B PATCHES, THE REINFORCEMENT SHALL BE PLACED AT A DEPTH SUFFICIENT TO NOT INTERFERE WITH SURFACE REMOVAL AND RESURFACING OPERATIONS.
12. APPROXIMATELY 91 50 YDS OF PCC PATCHES WITHIN THE PROJECT LIMITS WILL BE SUBJECT TO THE HMA SURFACE REMOVAL OPERATIONS OF THE DEPTH SPECIFIED IN THE PLANS. THE COST OF MILLING THESE PATCHES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE HMA REMOVAL ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
13. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO BINDER AND FINAL SURFACE. ONLY REMOVAL FROM FINAL SURFACE SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.
14. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN, AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
15. THE INTENT OF THIS CONTRACT IS TO MILL 3" TO BARE CONCRETE AND RESURFACE WITH 1 1/4" OF LEVEL BINDER AND 1 3/4" SURFACE. IF THE CONCRETE IS NOT EXPOSED AT 3" THE MILLING DEPTH SHALL BE INCREASED TO NOT MORE THAN 4". AS THE MILLING DEPTH IS INCREASED, THE BINDER COURSE THICKNESS SHOULD BE INCREASED FIRST TO COMPENSATE FOR THE ADDITIONAL RESURFACING THICKNESS REQUIRED, UP TO A MAXIMUM OF 2". AFTER THAT THE SURFACE MAY BE INCREASED TO 2". ADDITIONAL MILLING DEPTH SHALL BE PAID FOR PER ARTICLE 440.07(c) OF THE STANDARD SPECIFICATIONS.
16. ALL MILLED AREAS GREATER THAN 2 1/2" IN DEPTH SHALL BE RESURFACED WITH THE APPROPRIATE LEVEL BINDER OR BINDER COURSE PRIOR TO OPENING LANES TO TRAFFIC.
17. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED FOR THIS PROJECT. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 AND 407 OF THE STANDARD SPECIFICATIONS.
18. AN ESTIMATED 22884.8 TONS OF CUTTINGS FROM THE HMA SURFACE REMOVAL OPERATION ARE ANTICIPATED.
19. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
20. A QUANTITY OF TEMPORARY PAVEMENT MARKING EQUAL TO FINAL PAVEMENT MARKINGS HAS BEEN INCLUDED IN THE PLANS.

FILE NAME :	USER NAME : #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & INDEX OF SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -					600	(130-1, 130-2)RS-2	ST. CLAIR	36	2
	PLOT SCALE : #SCALE#	CHECKED -	REVISED -		SCALE: _____ SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 76655	
	PLOT DATE : #DATE#	DATE -	REVISED -									

HIGHWAY STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001001-02 AREAS OF REINFORCEMENT BARS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 424001-07 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
 424011-01 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
 424031-01 MEDIAN PEDESTRIAN CROSSING
 442101-07 CLASS B PATCHES
 606001-05 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 606301-04 PCC CONCRETE ISLANDS AND MEDIANS
 630001-10 STEEL PLATE BEAM GUARDRAIL
 630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
 631011-09 TRAFFIC BARRIER TERMINAL, TYPE 2
 631031-12 TRAFFIC BARRIER TERMINAL, TYPE 6
 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY

701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 701101-04 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
 701426-06 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS \leq 45 MPH
 701427-02 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS \leq 40 MPH
 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
 701602-07 URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
 701901-03 TRAFFIC CONTROL DEVICES
 780001-04 TYPICAL PAVEMENT MARKINGS
 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
 782001 PRISMATIC CURB REFLECTORS
 886001-01 DETECTOR LOOP INSTALLATIONS
 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

COMMITMENTS

ANY EARTH EXCAVATION WITHIN THE PROJECT LIMITS RESULTING IN SURPLUS MATERIAL SHALL BE PLACED ON RIGHT-OF-WAY WITHIN THE PROJECT LIMITS AND SHALL NOT BE DISPOSED OF OFF-SITE. THOSE AREAS WHERE SURPLUS MATERIAL IS PLACED SHALL BE SEEDED PER SECTION 250 OF THE STANDARD SPECIFICATIONS AND PAID FOR PER ARTICLE 109.04.

PEAK HOUR RESTRICTIONS

JOB INFORMATION:	PEAK HOUR RESTRICTIONS																									
	IL 159 FROM FOUNTAINS TO ROSEWOOD VILLAGE DR																									
	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM	12:00 AM	
SB																										
159 (FOUNTAINS TO 64) ONE LN CLOSURE	X	X	X	X	X	X														X	X	X	X	X	X	
159 (FOUNTAINS TO 64) NO CLOSURE							X	X	X	X	X	X	X	X	X	X	X	X	X							
NB																										
159 (FOUNTAINS TO 64) ONE LN CLOSURE	X	X	X	X	X	X	X	X	X	X	X									X	X	X	X	X	X	
159 (FOUNTAINS TO 64) NO CLOSURE												X	X	X	X	X	X	X	X							
SB																										
159 (64 TO LINCOLN TR) ONE LN CLOSURE	X	X	X	X	X	X	X													X	X	X	X	X	X	
159 (64 TO LINCOLN TR) NO CLOSURE								X	X	X	X	X	X	X	X	X	X	X	X							
NB																										
159 (64 TO LINCOLN TR) ONE LN CLOSURE	X	X	X	X	X	X														X	X	X	X	X	X	
159 (64 TO LINCOLN TR) NO CLOSURE							X	X	X	X	X	X	X	X	X	X	X	X	X							
SB																										
159 (LINCOLN TR TO FSPW) ONE LANE CLOSURE	X	X	X	X	X	X	X	X	X	X	X									X	X	X	X	X	X	
159 (LINCOLN TR TO FSPW) NO CLOSURE												X	X	X	X	X	X	X	X							
NB																										
159 (LINCOLN TR TO FSPW) ONE LANE CLOSURE	X	X	X	X	X	X	X	X	X	X										X	X	X	X	X	X	
159 (LINCOLN TR TO FSPW) NO CLOSURE											X	X	X	X	X	X	X	X	X							
SB																										
159 (FSPW TO ROSEWOOD VILLAGE) ONE LN CLOSURE	X	X	X	X	X	X	X	X	X	X	X									X	X	X	X	X	X	
159 (FSPW TO ROSEWOOD VILLAGE) NO CLOSURE												X	X	X	X	X	X	X	X							
NB																										
159 (FSPW TO ROSEWOOD VILLAGE) ONE LN CLOSURE	X	X	X	X	X	X	X	X	X	X										X	X	X	X	X	X	
159 (FSPW TO ROSEWOOD VILLAGE) NO CLOSURE											X	X	X	X	X	X	X	X	X							

FSPW = FRANK SCOTT PARKWAY

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, STANDARDS & PEAK HOUR RESTRICTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -					600	130-1, 130-2/RS-2	ST CLAIR	36	3
		CHECKED -	REVISED -		SCALE: _____ SHEET NO. 1 OF 1 SHEETS			STA. _____ TO STA. _____		CONTRACT NO. 76655		
		DATE -	REVISED -		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				URBAN	
				ROADWAY	BRIDGE
				0004	0014
				URBAN	082-0208
20200100	EARTH EXCAVATION	CU YD	3.3	3.3	
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	8	8	
40600647	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	TON	9351	9351	
40600990	TEMPORARY RAMP	SQ YD	6741	6741	
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	13091	13091	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	977	977	
42400800	DETECTABLE WARNINGS	SQ FT	134	134	
44000100	PAVEMENT REMOVAL	SQ YD	33	33	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	136219	136219	
44000300	CURB REMOVAL	FOOT	138	138	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	278	278	
44000600	SIDEWALK REMOVAL	SQ FT	637	637	
44003100	MEDIAN REMOVAL	SQ FT	325	325	
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	15	15	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				URBAN	
				ROADWAY	BRIDGE
				0004	0014
				URBAN	082-0208
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	76	76	
44201299	DOWEL BARS 1 1/2"	EACH	123	123	
44213100	PAVEMENT FABRIC	SQ YD	232	232	
44213200	SAW CUTS	FOOT	283	283	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	38963	38963	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	444.6	444.6	
50300225	CONCRETE STRUCTURES	CU YD	0.4		0.4
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	70		70
60600605	CONCRETE CURB, TYPE B	FOOT	176	176	
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	45	45	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	229	229	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	266	266	
*63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	3525	3525	
*63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	10	10	

14 *SPECIALTY ITEMS

FILE NAME :	USER NAME : *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN -	REVISED -	600					030-1, J30-2RS-2	ST. CLAIR	36	4	
PLOT SCALE : *SCALE*	CHECKED -	REVISED -	SCALE: NIS _____ SHEET NO. 1 OF 3 SHEETS STA. _____ TO STA. _____					CONTRACT NO. 76655				
PLOT DATE : *DATE*	DATE -	REVISED -	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				URBAN	
				ROADWAY 0004 URBAN	BRIDGE 0014 082-0208
*63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	14	14	
63200310	GUARDRAIL REMOVAL	FOOT	3189	3189	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	24	24	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13061	13061	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	2827	2827	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	88201	88201	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1049	1049	

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				URBAN	
				ROADWAY 0004 URBAN	BRIDGE 0014 082-0208
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1046	1046	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	29906	29906	
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2827	2827	
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	88201	88201	
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1049	1049	
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1046	1046	
*78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	347	347	
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	16605	16605	
*78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	142	142	
*78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	168	168	
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1418	1418	
*78200300	PRISMATIC CURB REFLECTOR	EACH	259	259	
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	64	64	
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	14	14	

* SPECIALTY ITEMS

FILE NAME =	USER NAME = xaldanao	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\aldanao\0344817\08	6055-eh-500.dgn	DRAWN -	REVISED -					600	(130-1, 130-2)RS-2	ST. CLAIR	36	5
	PLOT SCALE = 100.0000' / 1" = 1'	CHECKED -	REVISED -		SCALE: NTS			SHEET NO. 2 OF 3 SHEETS		STA.	TO STA.	
	PLOT DATE = 7/14/2014	DATE -	REVISED -		FED. ROAD DIST. NO.			ILLINOIS		FED. AID PROJECT		

CONTRACT NO. 76G55

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				URBAN	
				ROADWAY 0004 URBAN	BRIDGE 0014 082-0208
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1418	1418	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	520	520	
* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	66	66	
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	5	5	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	357	357	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	14050	14050	
* 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1	1	
* 89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	1	
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	488	488	
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	4	
* 89502380	REMOVE EXISTING HANDHOLE	EACH	2	2	
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	1	
* X8880010	ADA PEDESTRIAN PUSH-BUTTON	EACH	3	3	
Z0034105	MATERIAL TRANSFER DEVICE	TON	13091	13091	
Z0036200	PAINT CURB	FOOT	1666	1666	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				URBAN	
				ROADWAY 0004 URBAN	BRIDGE 0014 082-0208
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4	4	
φ Z0076604	TRAINERS TRAINING PROGRAM GRADUATE	Hour	1500	1500	
40600275	BITUMINOUS MATERIAL (PRIME COAT)	POUND	61299	61299	
40600285	POLYMERIZED BITUMINOUS MATERIAL (PRIME COAT)	POUND	30054	30054	

2

φ 0042

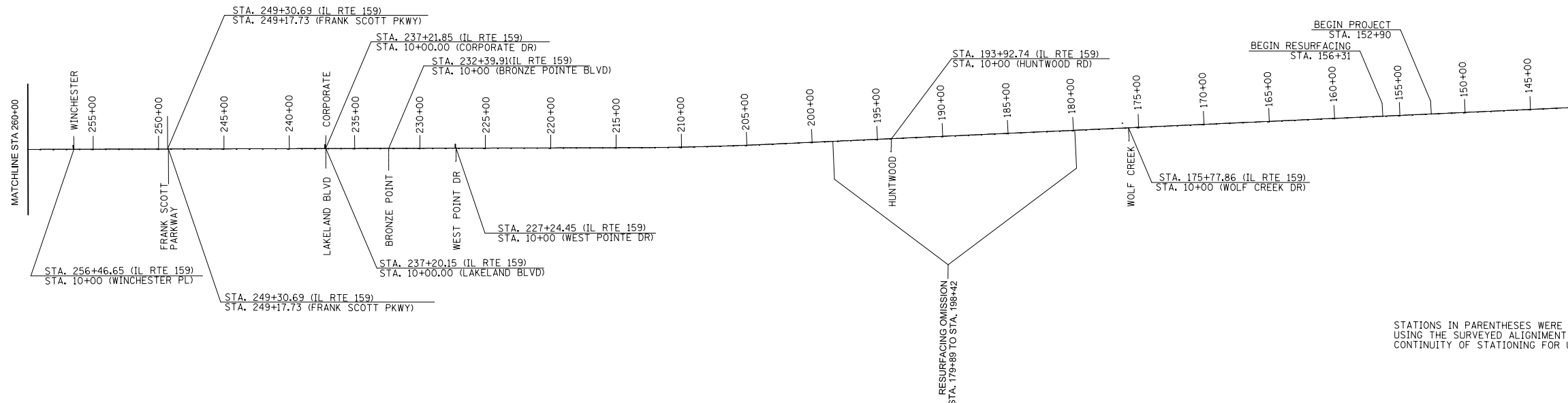
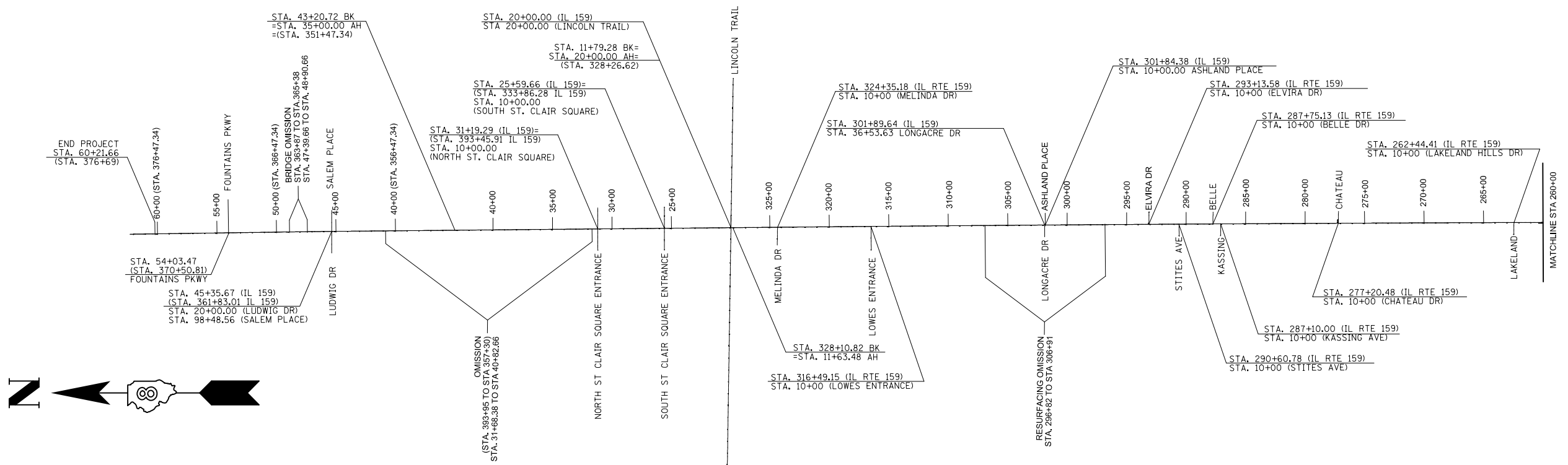
FILE NAME =	USER NAME = zaldano	DESIGNED -	REVISED -
\\pwwork\pwwork\zaldano\00344817\0076055-ah-500.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

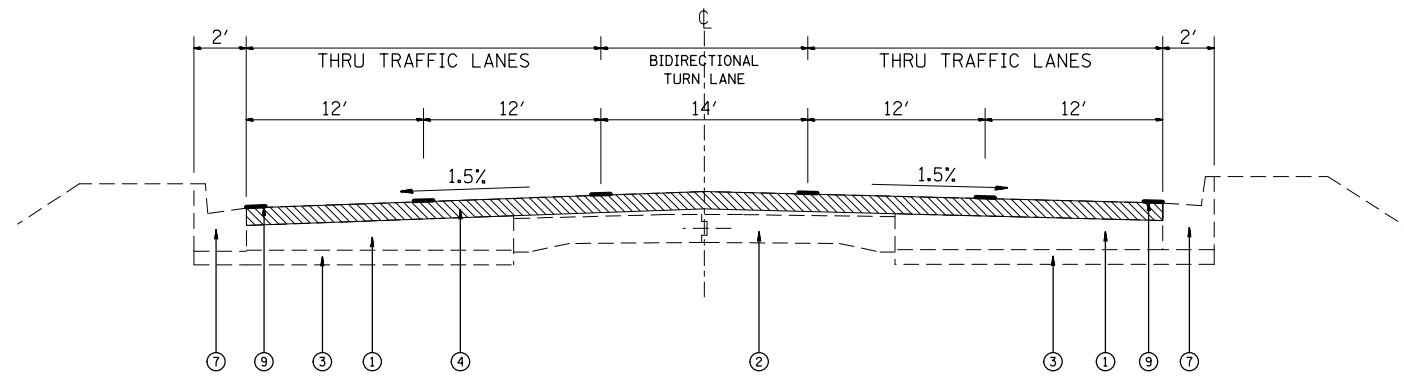
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	6
CONTRACT NO. 76G55				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

* SPECIALTY ITEMS



STATIONS IN PARENTHESES WERE CALCULATED USING THE SURVEYED ALIGNMENT TO PROVIDE CONTINUITY OF STATIONING FOR USE IN SCHEDULES.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	600	(130-1, 130-2)RS-2	ST CLAIR	36	7
		CHECKED -	REVISED -					CONTRACT NO. 76G55				
		DATE -	REVISED -		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							



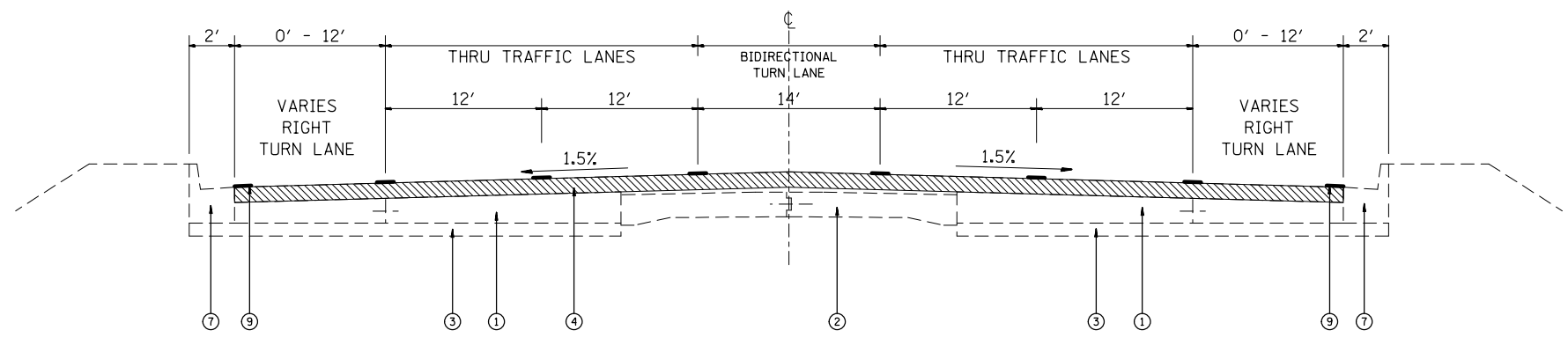
EXISTING TYPICAL SECTION
 STA. 156+31 TO STA. 179+89
 STA. 198+42 TO STA. 246+71
 STA. 253+29 TO STA. 296+82
 STA. 306+91 TO STA. 322+05

* RESURFACING OMISSION *
 (APPLY PAVEMENT MARKINGS ONLY)
 STA. 179+89 TO STA. 198+42
 STA. 296+82 TO STA. 306+91

PROPOSED HMA SURFACE REMOVAL, 3"

LEGEND

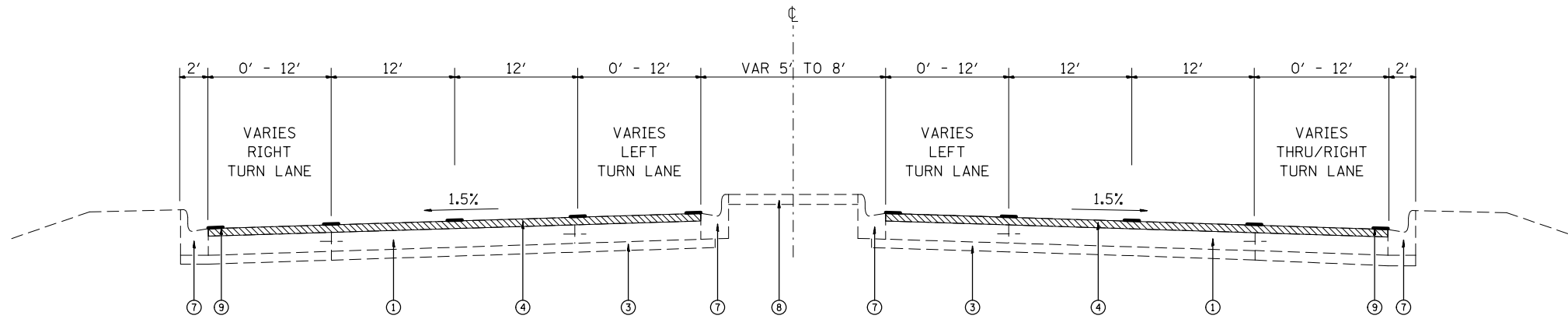
- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT 9"-7"-9"
- ③ EXISTING SUB-BASE, 4"
- ④ EXISTING BITUMINOUS OVERLAY, 3"
- ⑤ EXISTING PIPE UNDERDRAIN
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ EXISTING PAVEMENT MARKING
- ⑩ PROPOSED HMA LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N 90, 1 1/4"
- ⑪ PROPOSED POLY-HMA SURFACE COURSE, IL 9.5, N 90, 1 3/4"
- ⑫ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑬ PROPOSED POLY-BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDER, 3"
- ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4"



EXISTING TYPICAL SECTION
 STA. 246+71 TO STA. 248+89 (NB RIGHT TL)
 STA. 248+89 TO STA. 253+29 (SB RIGHT TL)
 STA. 322+05 TO STA. 324+83 (NB RIGHT TL)

NOTE:
 NB = NORTHBOUND
 SB = SOUTHBOUND
 TL = TURN LANE

FILE NAME =	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - ___	REVISED - ___		SCALE: NIS _____	SHEET NO. 1 OF 6 SHEETS	STA. _____ TO STA. _____	600	(130-1, 130-2)RS-2	ST. CLAIR	36	8
		CHECKED - ___	REVISED - ___					CONTRACT NO. 76G55				
		DATE - _____	REVISED - ___									

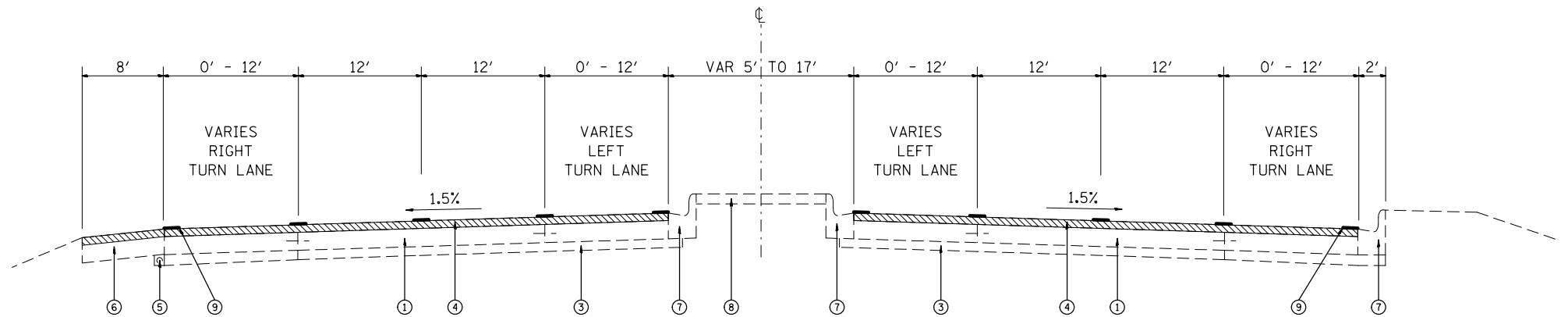


EXISTING TYPICAL SECTION
 STA. 324+83 TO STA. 328+27 (NB RIGHT TL & LEFT TL)
 STA. 328+27 TO STA. 330+67 (NB RIGHT TL) & (SB RIGHT TL & LEFT TL)

PROPOSED HMA SURFACE REMOVAL, 3"

LEGEND

- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT 9"-7"-9"
- ③ EXISTING SUB-BASE, 4"
- ④ EXISTING BITUMINOUS OVERLAY, 3"
- ⑤ EXISTING PIPE UNDERDRAIN
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ EXISTING PAVEMENT MARKING
- ⑩ PROPOSED HMA LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N 90, 1 1/4"
- ⑪ PROPOSED POLY-HMA SURFACE COURSE, IL 9.5, N 90, 1 3/4"
- ⑫ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑬ PROPOSED POLY-BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDER, 3"
- ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4"

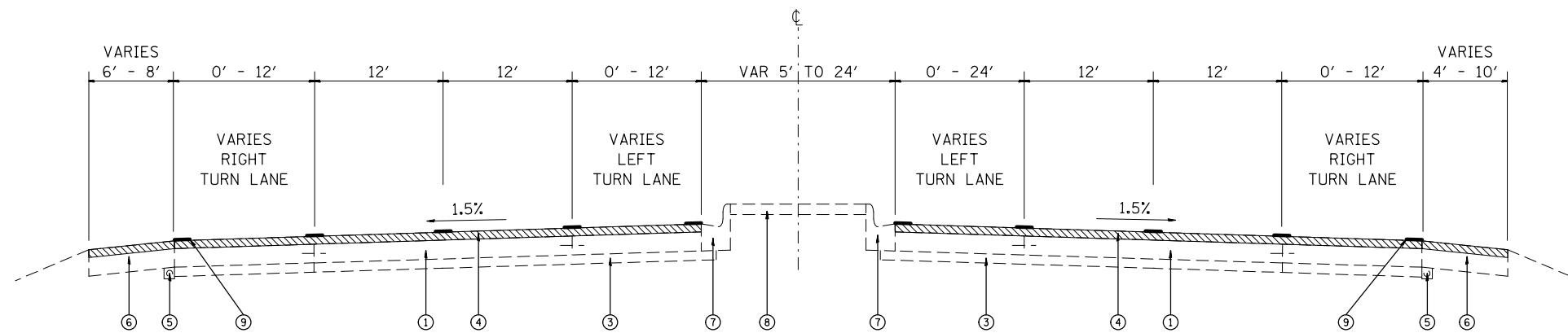


EXISTING TYPICAL SECTION
 STA. 330+67 TO STA. 331+25 (NB RIGHT TL) & (SB RIGHT TL & LEFT TL)
 STA. 331+25 TO STA. 332+34 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL & LEFT TL)
 STA. 332+34 TO STA. 333+88 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL)
 STA. 333+88 TO STA. 335+84 (NB RIGHT TL) & (SB RIGHT TL & LEFT TL)
 STA. 335+84 TO STA. 338+16 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL & LEFT TL)
 STA. 338+16 TO STA. 339+95 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL)

* OMISSION *
 STA. 339+95 TO STA. 357+30

NOTE:
 NB = NORTHBOUND
 SB = SOUTHBOUND
 TL = TURN LANE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ___	REVISED - ___		SCALE: NIS _____	SHEET NO. 2 OF 6 SHEETS	STA. _____ TO STA. _____	600	(130-1, 130-2)RS-2	ST. CLAIR	36	9
		CHECKED - ___	REVISED - ___					CONTRACT NO. 76G55				
		DATE - _____	REVISED - ___		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							



EXISTING TYPICAL SECTION

STA. 357+30 TO STA. 361+93 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL)
 STA. 361+93 TO STA. 363+87 (SB LEFT TL)
 STA. 365+38 TO STA. 370+54 (NB RIGHT TL & LEFT TL)
 STA. 370+54 TO STA. 376+69 (SB RIGHT TL & LEFT TL)

* RESURFACING OMISSION *
 STA. 363+87 TO STA. 365+38

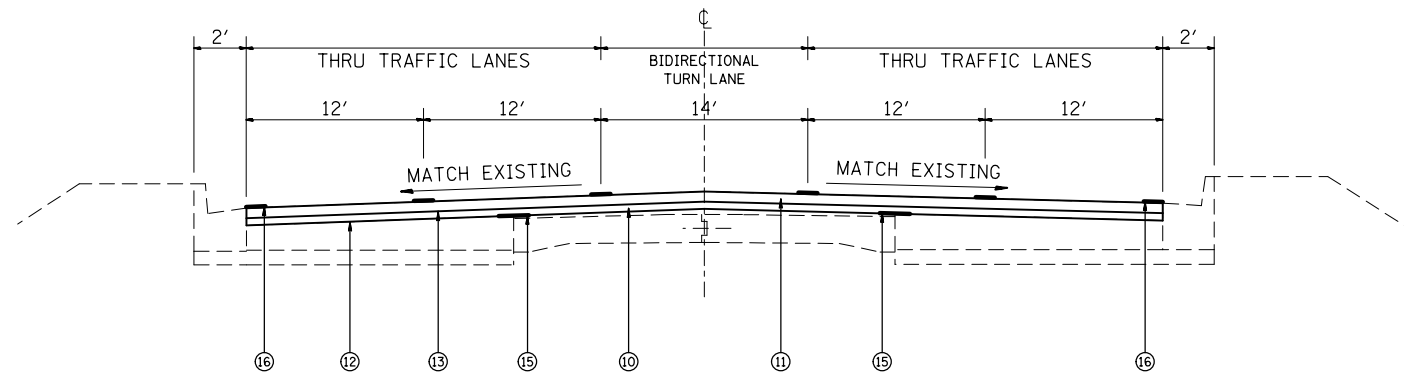
PROPOSED HMA SURFACE REMOVAL, 3"

LEGEND

- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT 9"-7"-9"
- ③ EXISTING SUB-BASE, 4"
- ④ EXISTING BITUMINOUS OVERLAY, 3"
- ⑤ EXISTING PIPE UNDERDRAIN
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ EXISTING PAVEMENT MARKING
- ⑩ PROPOSED HMA LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N 90, 1 1/4"
- ⑪ PROPOSED POLY-HMA SURFACE COURSE, IL 9.5, N 90, 1 3/4"
- ⑫ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑬ PROPOSED POLY-BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDER, 3"
- ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4"

NOTE:
 NB = NORTHBOUND
 SB = SOUTHBOUND
 TL = TURN LANE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS	F.A.P. RTE. 600	SECTION (130-1, 130-2)RS-2	COUNTY ST. CLAIR	TOTAL SHEETS 36	SHEET NO. 10
	PLOT SCALE = #SCALE#	CHECKED - ___	REVISED - ___		SCALE: NIS _____	SHEET NO. 3 OF 6 SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 76G55
	PLOT DATE = #DATE#	DATE - _____	REVISED - ___		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					



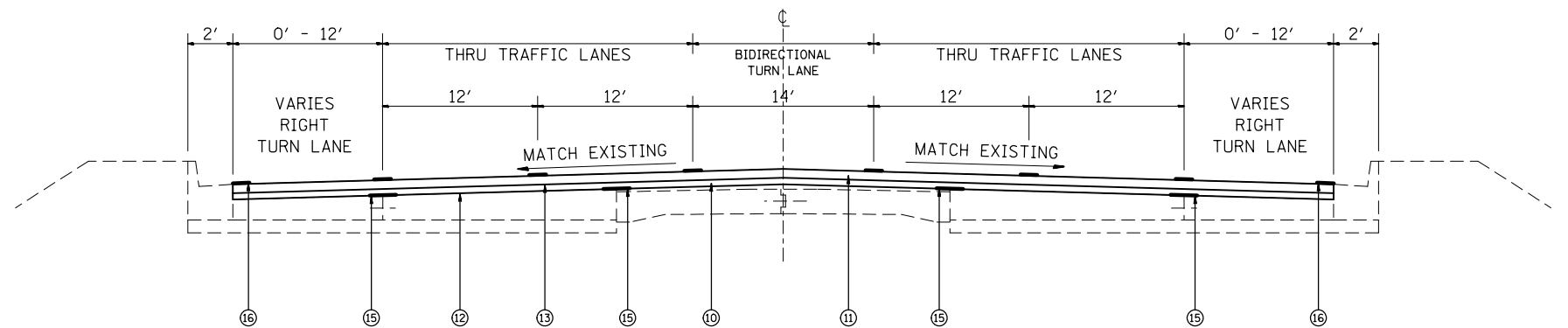
PROPOSED TYPICAL SECTION

STA. 156+31 TO STA. 179+89
 STA. 198+42 TO STA. 246+71
 STA. 253+29 TO STA. 296+82
 STA. 306+91 TO STA. 322+05

* RESURFACING OMISSION *
 (APPLY PAVEMENT MARKINGS ONLY)
 STA. 179+89 TO STA. 198+42
 STA. 296+82 TO STA. 306+91

LEGEND

- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT 9"-7"-9"
- ③ EXISTING SUB-BASE, 4"
- ④ EXISTING BITUMINOUS OVERLAY, 3"
- ⑤ EXISTING PIPE UNDERDRAIN
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ EXISTING PAVEMENT MARKING
- ⑩ PROPOSED HMA LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N 90, 1 1/4"
- ⑪ PROPOSED POLY-HMA SURFACE COURSE, IL 9.5, N 90, 1 3/4"
- ⑫ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑬ PROPOSED POLY-BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDER, 3"
- ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4"

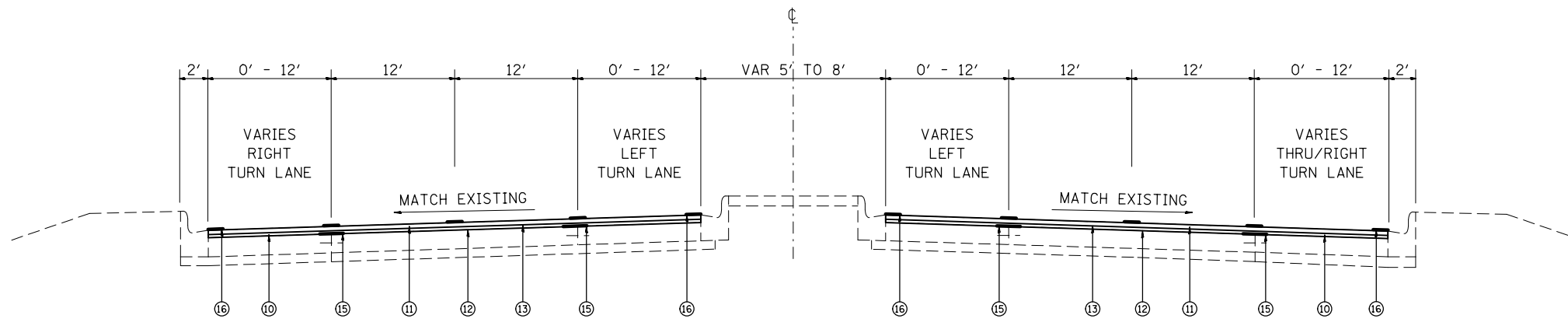


PROPOSED TYPICAL SECTION

STA. 246+71 TO STA. 248+89 (NB RIGHT TL)
 STA. 248+89 TO STA. 253+29 (SB RIGHT TL)
 STA. 322+05 TO STA. 324+83 (NB RIGHT TL)

NOTE:
 NB = NORTHBOUND
 SB = SOUTHBOUND
 TL = TURN LANE

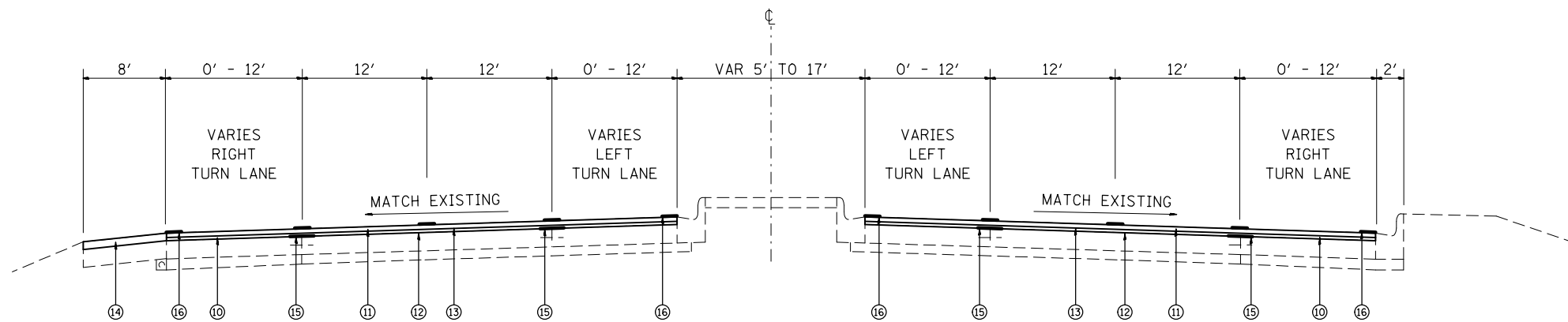
FILE NAME =	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - ___	REVISED - ___		SCALE: NIS	SHEET NO. 4 OF 6 SHEETS	STA. _____ TO STA. _____	600	(130-1, 130-2)RS-2	ST. CLAIR	36	11
		CHECKED - ___	REVISED - ___					CONTRACT NO. 76G55				
		DATE - _____	REVISED - ___		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT							



PROPOSED TYPICAL SECTION
 STA. 324+83 TO STA. 328+27 (NB RIGHT TL & LEFT TL)
 STA. 328+27 TO STA. 330+67 (NB RIGHT TL) & (SB RIGHT TL & LEFT TL)

LEGEND

- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT 9"-7"-9"
- ③ EXISTING SUB-BASE, 4"
- ④ EXISTING BITUMINOUS OVERLAY, 3"
- ⑤ EXISTING PIPE UNDERDRAIN
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ EXISTING PAVEMENT MARKING
- ⑩ PROPOSED HMA LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N 90, 1 1/4"
- ⑪ PROPOSED POLY-HMA SURFACE COURSE, IL 9.5, N 90, 1 3/4"
- ⑫ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑬ PROPOSED POLY-BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDER, 3"
- ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4"

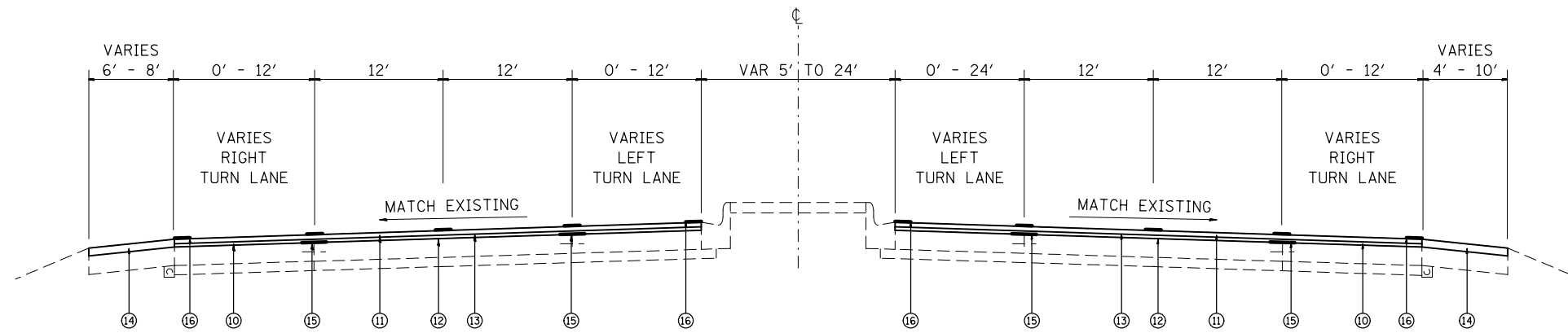


PROPOSED TYPICAL SECTION
 STA. 330+67 TO STA. 331+25 (NB RIGHT TL) & (SB RIGHT TL & LEFT TL)
 STA. 331+25 TO STA. 332+34 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL & LEFT TL)
 STA. 332+34 TO STA. 333+88 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL)
 STA. 333+88 TO STA. 335+84 (NB RIGHT TL) & (SB RIGHT TL & LEFT TL)
 STA. 335+84 TO STA. 338+16 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL & LEFT TL)
 STA. 338+16 TO STA. 339+95 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL)

* OMISSION *
 STA. 339+95 TO STA. 357+30

NOTE:
 NB = NORTHBOUND
 SB = SOUTHBOUND
 TL = TURN LANE

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.P. RTE. 600	SECTION (130-1, 130-2)RS-2	COUNTY ST. CLAIR	TOTAL SHEETS 36	SHEET NO. 12
		DRAWN - ___	REVISED - ___					CONTRACT NO. 76G55				
		CHECKED - ___	REVISED - ___									
		DATE - ___	REVISED - ___									
				SCALE: NIS _____ SHEET NO. 5 OF 6 SHEETS STA. _____ TO STA. _____			FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					



PROPOSED TYPICAL SECTION

STA. 357+30 TO STA. 361+93 (NB RIGHT TL & LEFT TL) & (SB RIGHT TL)
 STA. 361+93 TO STA. 363+87 (SB LEFT TL)
 STA. 365+38 TO STA. 370+54 (NB RIGHT TL & LEFT TL)
 STA. 370+54 TO STA. 376+69 (SB RIGHT TL & LEFT TL)

* RESURFACING OMISSION *
 STA. 363+87 TO STA. 365+38

LEGEND

- ① EXISTING P.C.C. BASE COURSE, 8"
- ② EXISTING P.C.C. PAVEMENT 9"-7"-9"
- ③ EXISTING SUB-BASE, 4"
- ④ EXISTING BITUMINOUS OVERLAY, 3"
- ⑤ EXISTING PIPE UNDERDRAIN
- ⑥ EXISTING BITUMINOUS SHOULDER, 8"
- ⑦ EXISTING CONCRETE CURB AND GUTTER
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ EXISTING PAVEMENT MARKING
- ⑩ PROPOSED HMA LEVELING BINDER (MACHINE METHOD), IL 9.5 FG, N 90, 1 1/4"
- ⑪ PROPOSED POLY-HMA SURFACE COURSE, IL 9.5, N 90, 1 3/4"
- ⑫ PROPOSED BITUMINOUS MATERIAL PRIME COAT
- ⑬ PROPOSED POLY-BITUMINOUS MATERIAL PRIME COAT
- ⑭ PROPOSED HMA SHOULDER, 3"
- ⑮ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑯ PROPOSED THERMOPLASTIC PAVEMENT MARKING, 4"

NOTE:
 NB = NORTHBOUND
 SB = SOUTHBOUND
 TL = TURN LANE

FILE NAME =	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - ___	REVISED - ___				600	(130-1, 130-2)RS-2	ST. CLAIR	36	13
	PLOT SCALE = *SCALE*	CHECKED - ___	REVISED - ___		SCALE: NIS _____ SHEET NO. 6 OF 6 SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 76G55		
	PLOT DATE = *DATE*	DATE - _____	REVISED - ___		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT						

GUARDRAIL SCHEDULE															
LOCATION				LENGTH	RT/LT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 6	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKERS DIRECT APPLIED	CONCRETE CURB, TYPE B	EARTH EXCAVATION	CURB REMOVAL	GUARDRAIL REMOVAL
STA	TO	STA	FOOT			FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	CU YD	FOOT	FOOT
152+93.95	TO	156+18.95	325.00	RT		275.0	1	1		5	1				340
156+69.39	TO	164+06.89	737.50	LT		687.5	1	1		10	1				598
162+00.27	TO	167+75.27	575.00	RT		525.0	1	1		8	1				370
179+35.47	TO	181+60.97*	325.00	LT		275.0	1	1		5	1				332
179+30.07	TO	182+80.07	350.00	RT		300.0	1	1		5	1				291
183+54.09	TO	185+91.59	237.50	RT		187.5	1	1		3	1				130
190+89.95	TO	193+14.95	225.00	RT		175.0	1	1		3	1				142
195+06.97	TO	198+31.97	325.00	LT		275.0	1	1		5	1				229
214+53.77	TO	217+78.77	325.00	RT		275.0	1	1		5	1				268
264+27.11	TO	268+02.11	375.00	LT		325.0	1	1		5	1				114
362+80.87	TO	363+87.12	106.25	RT		12.5	1		1	2	1	15.6	0.3		109
362+80.87	TO	363+87.12	106.25	LT		12.5	1		1	2	1	129.0	2.4	138	109
365+37.53	TO	367+31.28	193.75	RT		100.0	1		1	3	1	15.6	0.3		41
365+37.53	TO	367+31.28	193.75	LT		100.0	1		1	3	1	15.6	0.3		116
TOTAL						3525.0	14	10	4	64	14	176	3.3	138	3189

* INCLUDES 100' OF RADIUS GUARDRAIL

GENERAL NOTE: THE COST OF FILLING THE CURB REMOVAL AREA ALONG THE WINGWALL WITH CONCRETE SHALL BE INCLUDED IN THE COST OF CONCRETE CURB, TYPE B.

PAINT PAVEMENT MARKING SCHEDULE											
LOCATIONS				PAINT PAVEMENT MARKING-LINE 4" YELLOW SKIP DASH	PAINT PAVEMENT MARKING-LINE 4" YELLOW	PAINT PAVEMENT MARKING-LINE 4" DOUBLE YELLOW	PAINT PAVEMENT MARKING-LINE 4" WHITE SKIP DASH	PAINT PAVEMENT MARKING-LINE 4" WHITE EDGE LINE	PAINT PAVEMENT MARKING- LETTERS AND SYMBOLS	PAINT PAVEMENT MARKING-LINE 24" WHITE STOP BAR	PAINT PAVEMENT MARKING-LINE 12" CROSS WALK
				FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT
FROM	179+89	TO	198+42	470	1,853	3,707	470	3,707	188	72	142
FROM	296+82	TO	306+91	260	1,009	2,019	260	2,019	159	96	
FROM	363+87	TO	365+38	40	150	301	40	301	0	0	
CALCULATED QUANTITY:				770	3,013	6,026	770	6,026	347	168	142
PLAN QUANTITY:						16,605			347	168	142

GENERAL NOTE: PAVEMENT MARKING QUANTITIES ARE BASED ON PREVIOUS JOB, MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

NO PASSING ZONE AND GENERAL STRIPING SHOULD BE RE-ESTABLISHED BY RESIDENT ENGINEER.
LETTERS & SYMBOLS: TURN ARROWS AREA IS 15.6 SQ FT EACH

CLASS B PATCHES								
STATION	LANE	LENGTH	LANE WIDTH	CLASS B PATCHES, TYPE II, 13"	CLASS B PATCHES, TYPE III, 13"	DOWEL BARS 1 1/2 INCH	PAVEMENT FABRIC	SAW CUTS
		(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(EACH)	(SQ YD)	(FOOT)
SOUTHBOUND								
334+59	LEFT TURN LANE	18.00	12.00		24.00	20	24.00	90.00
334+59	LEFT THRU LANE	18.00	12.00		24.00	20	24.00	90.00
NORTHBOUND								
224+60	CENTER TURN LANE	8.00	14.00	13.00		24		66.00
SUBTOTAL:				13.00	48.00	64.00	48.00	246.00
ANTICIPATED FAILURES (15%):				1.95	7.20	10	8	36.90
TOTAL CALCULATED QUANTITY:				15.00	56.00	74.00	56.00	283.00

SEE RAMP AND SIDEWALK SCHEDULE FOR ADDITIONAL QUANTITIES

LOCATIONS				SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
				FOOT	FOOT
FROM	156+31	TO	179+89	1,871.00	3,759.00
FROM	198+42	TO	222+60	2,044.00	3,747.00
FROM	222+60	TO	249+13	1,892.00	4,146.00
FROM	249+13	TO	277+29	1,982.00	4,578.00
FROM	277+29	TO	296+82	1,666.00	3,045.00
FROM	306+91	TO	328+13	1,426.00	3,769.00
FROM	328+13	TO	339+09	722.00	2,177.00
FROM	339+09	TO	339+95		
FROM	357+30	TO	363+87	269.00	1,462.00
FROM	365+38	TO	376+99	528.00	1,779.00
FRANK SCOTT PKWY					52.00
LINCOLN HWY				399.00	745.00
LUDWING DR/SALEM				204.00	346.00
FOUNTAINS PKWY EAST				58.00	301.00
CALCULATED QUANTITY:				13,061.00	29,906.00
PLAN QUANTITY:				13,061.00	29,906.00

RAISED REFLECTIVE PAVEMENT MARKER								
LOCATIONS			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT ONE-WAY CRYSTAL MARKER	RAISED REFLECTIVE PAVEMENT TWO-WAY AMBER MARKER	RAISED REFLECTIVE PAVEMENT ONE-WAY AMBER MARKER	PRISMATIC CURB REFLECTOR	
			EACH	EACH	EACH	EACH	EACH	
FROM	156+31	TO	179+89	177	59	115	3	
FROM	198+42	TO	222+60	191	65	115	11	
FROM	222+60	TO	249+13	213	73	140		
FROM	249+13	TO	277+29	254	86	136	32	
FROM	277+29	TO	296+81	154	51	103		
FROM	306+90	TO	328+13	159	68	91		
FROM	328+13	TO	339+09	73	73			
FROM	339+09	TO	339+95					
FROM	357+30	TO	363+87	33	33			
FROM	365+38	TO	376+99	64	34	30		
FROM	324+76	TO	327+51					20
FROM	328+86	TO	333+26					43
FROM	334+11	TO	338+86					47
FROM	357+62	TO	361+87					40
FROM	362+81	TO	363+81					10
FROM	365+64	TO	369+64					41
FROM	371+71	TO	374+51					28
FROM	179+89	TO	198+42	45	18	27		
FROM	296+82	TO	306+91	16	8	8		
FROM	363+87	TO	365+38	3	3			
F. S. PKWY/LINCOLN HWY/SALEM-LUD. DR/ FOUNT. PKWY SECTIONS				36	36			30
CALCULATED QUANTITY:				1,418	607	765	46	259
PLAN QUANTITY:				1,418		1,418		259

GENERAL NOTE:

THE PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKER QUANTITIES SHOWN IN THE SCHEDULE IS APPROXIMATE. THE LOCATION

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING OF MATERIALS AND BEGINNING CONSTRUCTION.

EXTRA RAISED REFLECTIVE PAVEMENT MARKERS IN RESURFACING OMISSIONS ARE TO BE REMOVED AND REPLACED AS NEEDED

REFER TO COVER SHEET FOR OMISSION LOCATIONS

RESURFACING/SHOULDER SCHEDULE																		
STATIONS					INTERSECTIONS	SHOULDERS	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL, 3"	BITUMINOUS MATERIAL (PRIME COAT)	POLYMERIZED BITUMINOUS MATERIAL (PRIME COAT) (BETWEEN LIFTS)	TEMPORARY RAMPS		POLYMERIZED HMA SURFACE COURSE, MIX "E", N90	LEVELING BINDER (MACHINE METHOD), IL-9.5 FG, N90	STRIP REFLECTIVE CRACK CONTROL TREATMENT	HMA SHOULDER
														SQ YD				
STA.	156+31	TO	STA	179+89			2,358	62	16,240.90	16,240.90	7308.41	3654.20	*****	68.89	1,591.61	1,136.86		
STA.	198+42	TO	STA	246+87			4,845	62	33,376.67	33,376.67	15019.50	7509.75	*****	34.44	3,270.91	2,336.37		
STA.	246+87	TO	STA	248+49			162	62	1,306.00	1,306.00	587.70	293.85			127.99	91.42		
STA.	248+49	TO	STA	249+77	FRANK SCOTT PKWY (1)				1,024.00	1,024.00	460.80	230.40		202.22	100.35	71.68		
STA.	249+77	TO	STA	296+82			4,705	62	32,454.22	32,454.22	14604.40	7302.20	*****	34.44	3,180.51	2,271.80		
STA.	306+91	TO	STA	324+69			1,778	62	12,442.44	12,442.44	5599.10	2799.55	*****	34.44	1,219.36	870.97		
STA.	324+69	TO	STA	327+56			287	72	2,351.00	2,351.00	1057.95	528.98			230.40	164.57		
STA.	327+56	TO	STA	328+98	LINCOLN HWY (2)				7,056.00	7,056.00	3175.20	1587.60		88.00	691.49	493.92		
STA.	328+98	TO	STA	339+95			1,097	84	10,453.67	10,453.67	4704.15	2352.08	*****	57.00	1,024.46	731.76		
STA.	357+30	TO	STA	362+31			501	60	4,109.00	4,109.00	1849.05	924.53			402.68	287.63		
STA.	362+31	TO	STA	363+36	LUDWIG DR/SALEM PL (3)				1,926.00	1,926.00	866.70	433.35		52.00	188.75	134.82		
STA.	363+36	TO	STA	363+87			51	60	340.00	340.00	153.00	76.50	*****	33.33	33.32	23.80		
STA.	365+38	TO	STA	369+92			454	72	3,934.00	3,934.00	1770.30	885.15			385.53	275.38		
STA.	369+92	TO	STA	371+76	FOUNTAINS PKWY (4)				3,162.00	3,162.00	1422.90	711.45		45.00	309.88	221.34		
STA.	371+76	TO	STA	376+69			493	62	3,396.22	3,396.22	1528.30	764.15	*****	34.44	332.83	237.74		
STA.	329+94	TO	STA	333+11		LEFT	317	10	352.22	352.22	158.50							59.17
STA.	333+93	TO	STA	338+43		LEFT	450	9	450.00	450.00	202.50							75.60
STA.	357+30	TO	STA	361+24		LEFT	394	10	437.78	437.78	197.00							73.55
STA.	357+30	TO	STA	361+24		RIGHT	394	5	218.89	218.89	98.50							36.77
STA.	362+68	TO	STA	363+87		LEFT	119	10	132.22	132.22	59.50							22.21
STA.	362+68	TO	STA	363+87		RIGHT	119	9	119.00	119.00	53.55							19.99
STA.	365+37	TO	STA	368+93		LEFT	356	10	395.56	395.56	178.00							66.45
STA.	365+37	TO	STA	368+93		RIGHT	356	6	217.56	217.56	97.90							36.55
STA.	373+06	TO	STA	376+69		RIGHT	363	8	322.92	322.92	145.31							54.25
***BUSINESSES ENTRANCE/SIDE ROADS ALONG PROJECT LIMITS														6,056.00				
									CALCULATED QUANTITY:	136218.26	61298.22	30053.73		6740.22	13090.07	9350.05	38962.50	444.55
									PLAN QUANTITY:	136219.00	61299.00	30054.00		6741.00	13091.00	9351.00	38963.00	444.6

REFER TO COVER SHEET FOR OMISSION LOCATIONS

(1) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON FRANK SCOTT PKWY TO 13' EAST OF THE THRU EDGE OF IL 159

(2) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON LINCOLN HWY FROM STA 20+37 TO STA 24+30 AND 17+58 TO STA 19+64

(3) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON LUDWIG DR/SALEM PL TO 80' EAST AND 85' WEST OF THE THRU EDGE OF IL 159

(4) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON FOUNTAINS PKWY TO 107' EAST OF THE THRU EDGE OF IL 159

FILE NAME =	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING SCHEDULE & SHOULDER SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN - ___	REVISED - ___			600	(130-1, 130-2)RS-2	ST. CLAIR	36	16	
PLOT SCALE = *SCALE*		CHECKED - ___	REVISED - ___			CONTRACT NO. 76G55					
PLOT DATE = *DATE*		DATE - ___	REVISED - ___			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SCALE: NIS _____ SHEET NO. 3 OF 4 SHEETS STA. _____ TO STA. _____

PAVEMENT MARKING SCHEDULE														
LOCATIONS				THERMOPLASTIC PAVEMENT MARKING								PAINT CURB		
				THERMOPLASTIC PAVEMENT MARKING-LINE 4" YELLOW SKIP DASH	THERMOPLASTIC PAVEMENT MARKING-LINE 4" YELLOW	THERMOPLASTIC PAVEMENT MARKING-LINE 4" DOUBLE YELLOW	THERMOPLASTIC PAVEMENT MARKING-LINE 4" WHITE SKIP DASH	THERMOPLASTIC PAVEMENT MARKING-LINE 2' 6" WHITE SKIP DASH	THERMOPLASTIC PAVEMENT MARKING-LINE 4" WHITE SOLID LINE	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING-LINE 12" WHITE DIAGONAL		THERMOPLASTIC PAVEMENT MARKING-LINE 12" CROSS WALK	THERMOPLASTIC PAVEMENT MARKING-LINE 24" WHITE STOP BAR
				FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT		FOOT	FOOT
FROM	156+31	TO	179+89	1,160.00	4,686.00	172.00	1,180.00		4,379.00	279.00				
FROM	198+42	TO	222+60	1,080.00	4,406.00	300.00	1,200.00		4,398.00	341.00			55.00	
FROM	222+60	TO	249+13	1,240.00	4,592.00	512.00	1,260.00		4,953.00	406.00			94.00	
FROM	249+13	TO	277+29	920.00	3,604.00	1,804.00	1,390.00	98.00	5,945.00	312.00	48.00		72.00	
FROM	277+29	TO	296+82	880.00	3,576.00	262.00	950.00		3,475.00	312.00			120.00	
FROM	306+91	TO	328+13	650.00	3,232.00	558.00	960.00	40.00	5,687.00	374.00			130.00	140.00
FROM	328+13	TO	339+09		1,851.00		800.00	137.00	3,297.00	220.00			225.00	347.00
FROM	339+09	TO	339+95											
FROM	357+30	TO	363+87		1,033.00		300.00	40.00	2,500.00	192.00	247.00		72.00	207.00
FROM	365+38	TO	376+99		2,127.00	362.00	480.00	40.00	2,201.00	125.00				225.00
			FRANK SCOTT PKWY								51.00			
			LINCOLN HWY				390.00		1,500.00	141.00	67.00		136.00	430.00
			LUDWING DR/SALEM			250.00			640.00	62.00			86.00	
			FOUNTAINS PKWY EAST				20.00		684.00	63.00	78.00		56.00	317.00
			CALCULATED QUANTITY:	5,930.00	29,107.00	4,220.00	8,930.00	355.00	39,659.00	2,827.00	491.00	558.00	1,046.00	1,666.00
			PLAN QUANTITY:				88,201.00			2,827.00		1,049.00	1,046.00	1,666.00

NOTES:

LETTERS & SYMBOLS: TURN ARROWS AREA IS 15.6 SQ FT EACH

GENERAL NOTE: RAISED REFLECTIVE PAVEMENT MARKER QUANTITIES ARE BASED ON PREVIOUS JOB, MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE

THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

TWO ARROW COMBO WILL NOT BE REPLACED

REFER TO COVER SHEET FOR OMISSION LOCATIONS

WHITE EDGE LINE TO BE PLACED ON THE ENTIRE LENGTH OF THE PROJECT

(1) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON FRANK SCOTT PKWY TO 13' EAST OF THE THRU EDGE OF IL 159

(2) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON LINCOLN HWY FROM STA 20+37 TO STA 24+30 AND 17+58 TO STA 19+64

(3) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON LUDWIG DR/SALEM PL TO 80' EAST AND 85' WEST OF THE THRU EDGE OF IL 159

(4) INCLUDES HMA SURFACE REMOVAL AND RESURFACING ON FOUNTAINS PKWY TO 107' EAST OF THE THRU EDGE OF IL 159

ADA RAMPS/SIDEWALK/ISLANDS

DESCRIPTION	LOCATION	SIDEWALK REMOVAL	COMB. CURB & GUTTER REMOVAL	PAVEMENT REMOVAL	MEDIAN REMOVAL	SUB GRANULAR MATERIAL, TYPE B	PCC SIDEWALK, 4"	DETECTABLE WARNINGS	CONC. MEDIAN SURFACE 4"	COMB. CONC. CURB & GUTTER, TYPE B-6.06	COMB. CONC. CURB & GUTTER, TYPE B-6.24	CLASS B PATCHES, 13" TYPE III	PAVEMENT FABRIC	DOWEL BARS, 1 1/2"
		SQ FT	FOOT	SQ YD	SQ FT	CU YD	SQ FT	SQ FT	SQ FT	FOOT	FOOT	SQ YD	SQ FT	EACH
LOWE'S/SMOKEY BONES	WEST/LOWES	250	54				250	20			54			
	EAST/SMOKEY BONES	63	27				180	34			27			
IL 159/LINCOLN TRAIL	SOUTHWEST QUADRANT	76.5	8				85	10			13			
	SOUTHEAST QUADRANT	142.5	25				158	10			29			
	NORTHEAST QUADRANT	105	15				110	10			19			
	SOUTHWEST ISLAND		44		71							20	176	49
	SOUTHEAST ISLAND		69	24	208	6	154	30	211	30	57			
	NORTHEAST ISLAND		36	9	46	2	40	20	55	15	30			
TOTAL QUANTITY		637	278	33	325	8	977	134	266	45	229	20	176	49

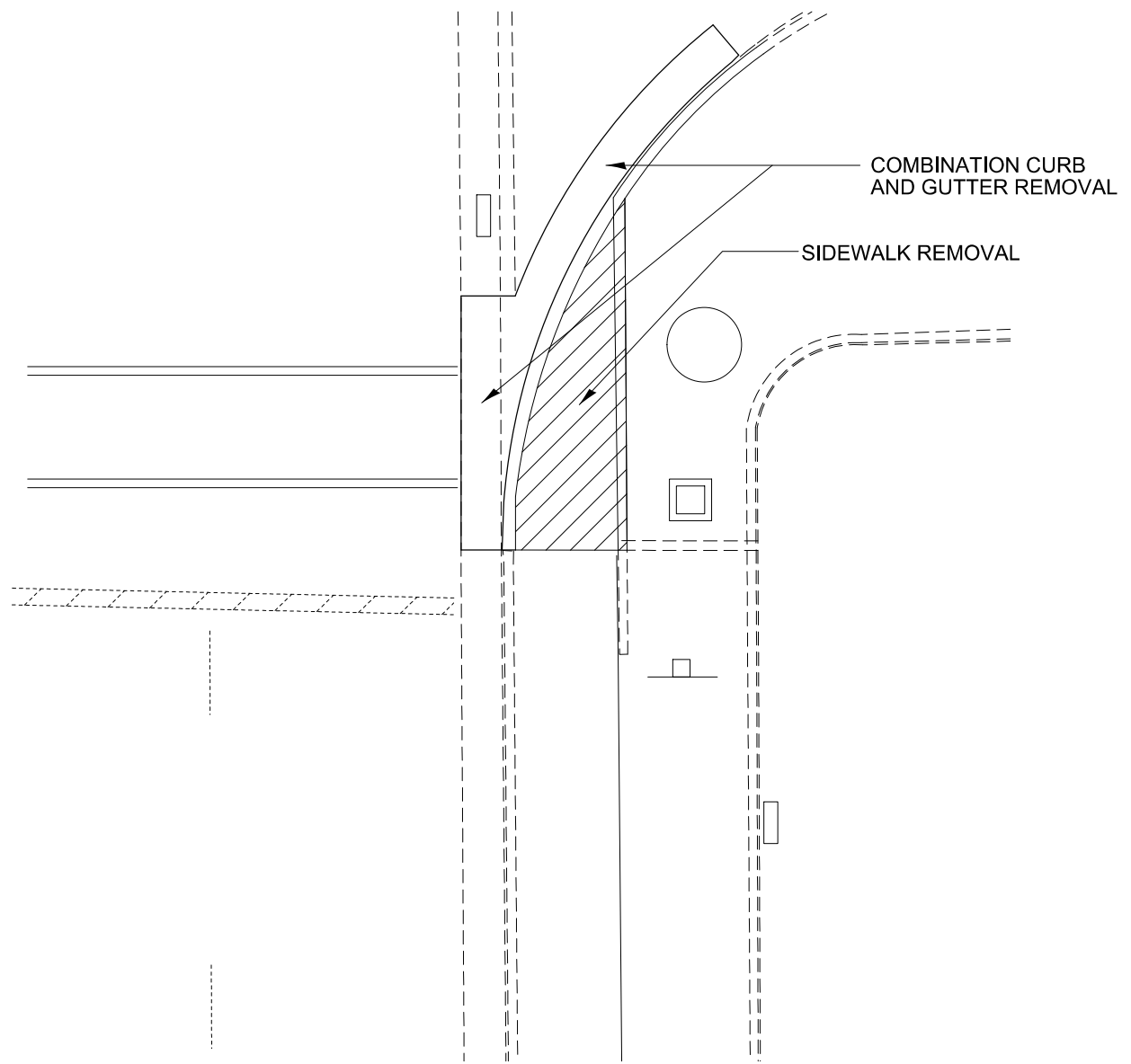
SEE CLASS B PATCHES SCHEDULE FOR ADDITIONAL QUANTITIES

NOTES:

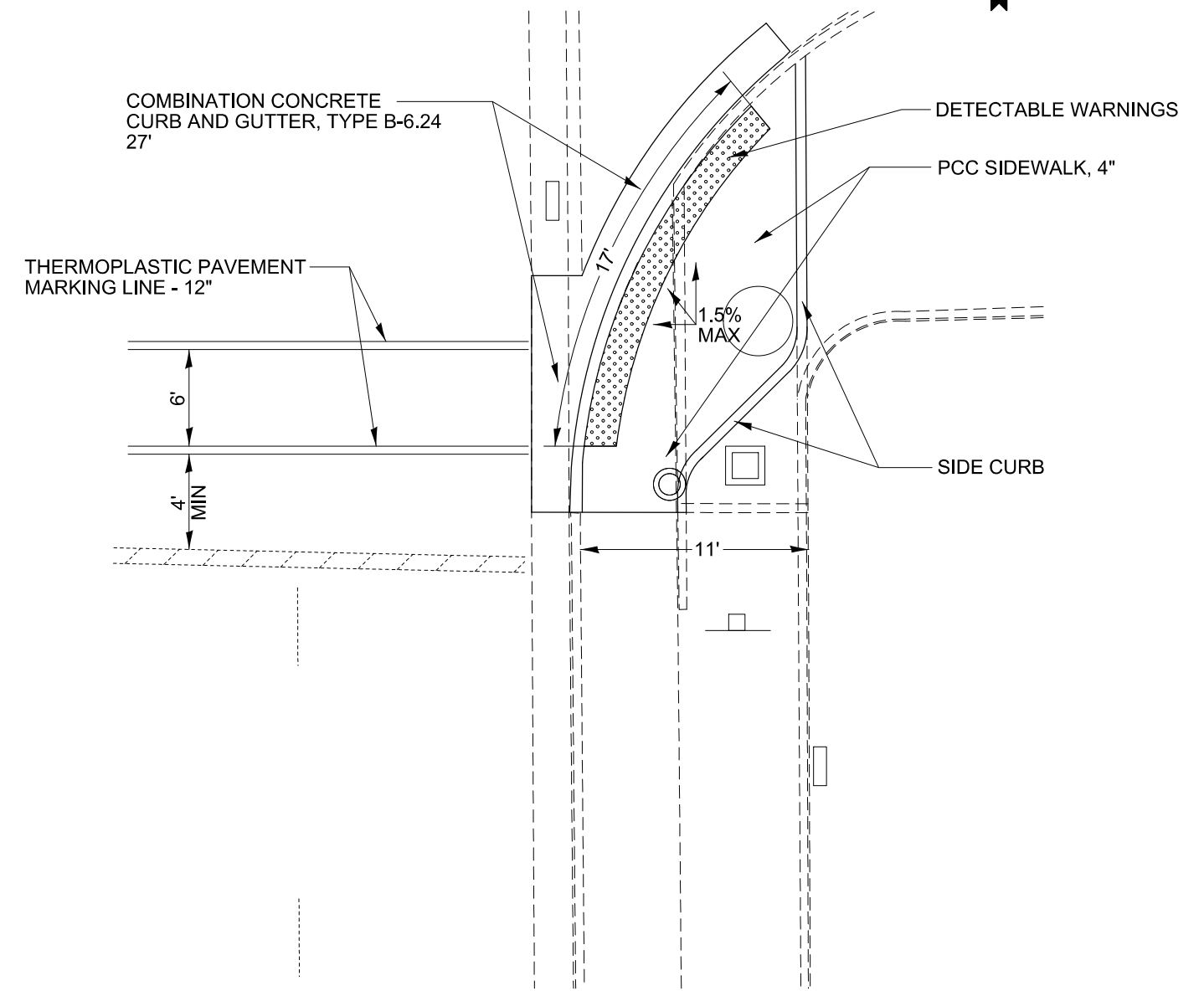
- SIDE CURB REMOVAL INCLUDED IN SIDEWALK REMOVAL
- EARTH EXCAVATION IS INCLUDED IN THE COST OF MEDIAN REMOVAL AND PCC SIDEWALK, 4"
- SIDE CURB IS MEASURED FOR PAYMENT AS PCC SIDEWALK, 4"
- SEEDING IS INCLUDED IN THE COST OF PCC SIDEWALK, 4"

- SIDEWALK REMOVAL AND PCC SIDEWALK LIMITS SHOWN IN THE SCHEDULE ARE MINIMUMS. ACTUAL REMOVAL AND REPLACEMENT LIMITS SHALL EXTEND TO THE NEXT SIDEWALK JOINT.
- SEE CLASS B PATCHING SCHEDULE FOR ADDITIONAL PATCHING QUANTITIES
- COMBINATION CURB AND GUTTER SHALL INCLUDE VARIABLE WIDTH FLAGS AS SHOWN ON THE PLANS.

FILE NAME =	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SCHEDULE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN - ___	REVISED - ___					600	(130-1, 130-2)RS-2	ST. CLAIR	36	17
	PLOT SCALE = *SCALE*	CHECKED - ___	REVISED - ___		SCALE: NIS _____ SHEET NO. 4 OF 4 SHEETS			STA. _____ TO STA. _____		CONTRACT NO. 76G55		
	PLOT DATE = *DATE*	DATE - _____	REVISED - ___		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							



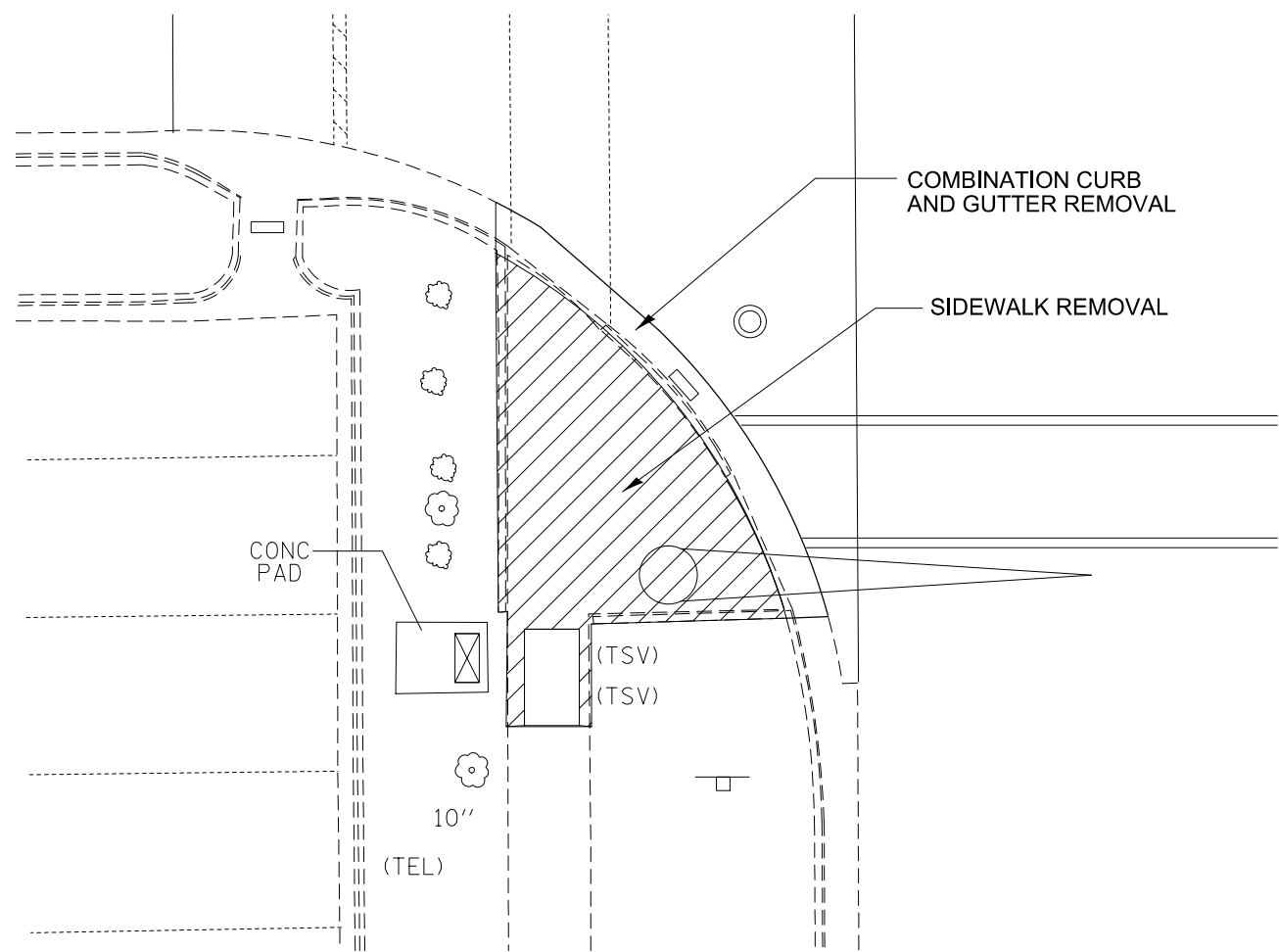
SMOKEY BONES RAMP REMOVAL
NOT TO SCALE



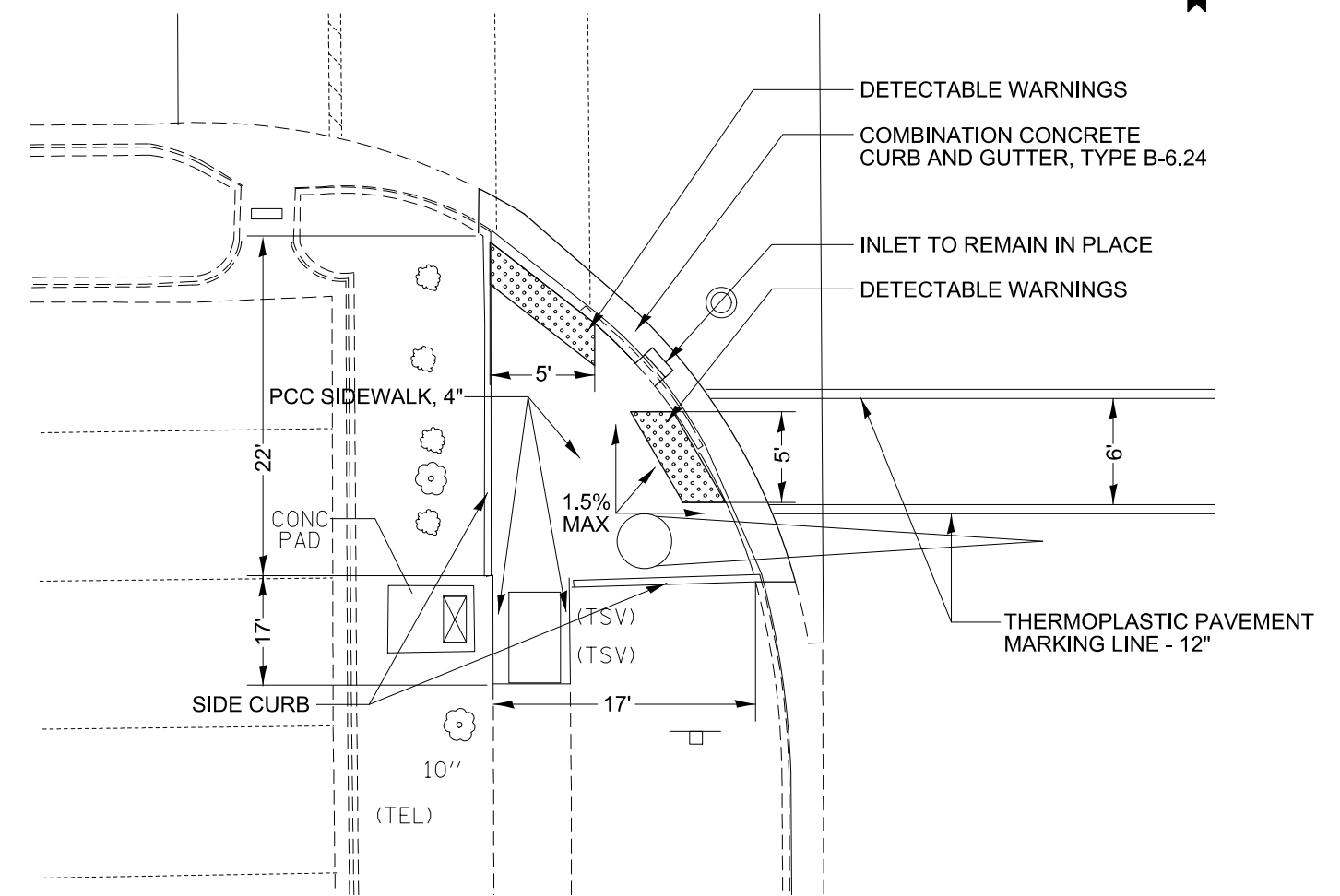
PROPOSED SMOKEY BONES RAMP
NOT TO SCALE

NOTE: REFER TO APPROPRIATE HIGHWAY STANDARDS FOR DETAILS NOT SHOWN.

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA SIDEWALK RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED - ___	REVISED - ___		600	(130-1, 130-2)RS-2	ST CLAIR	36	18			
PLOT DATE = *DATE*	DATE - ___	REVISED - ___			SCALE: _____ SHEET NO. 1 OF 6 SHEETS STA. _____ TO STA. _____			CONTRACT NO. 76G55				
							FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					



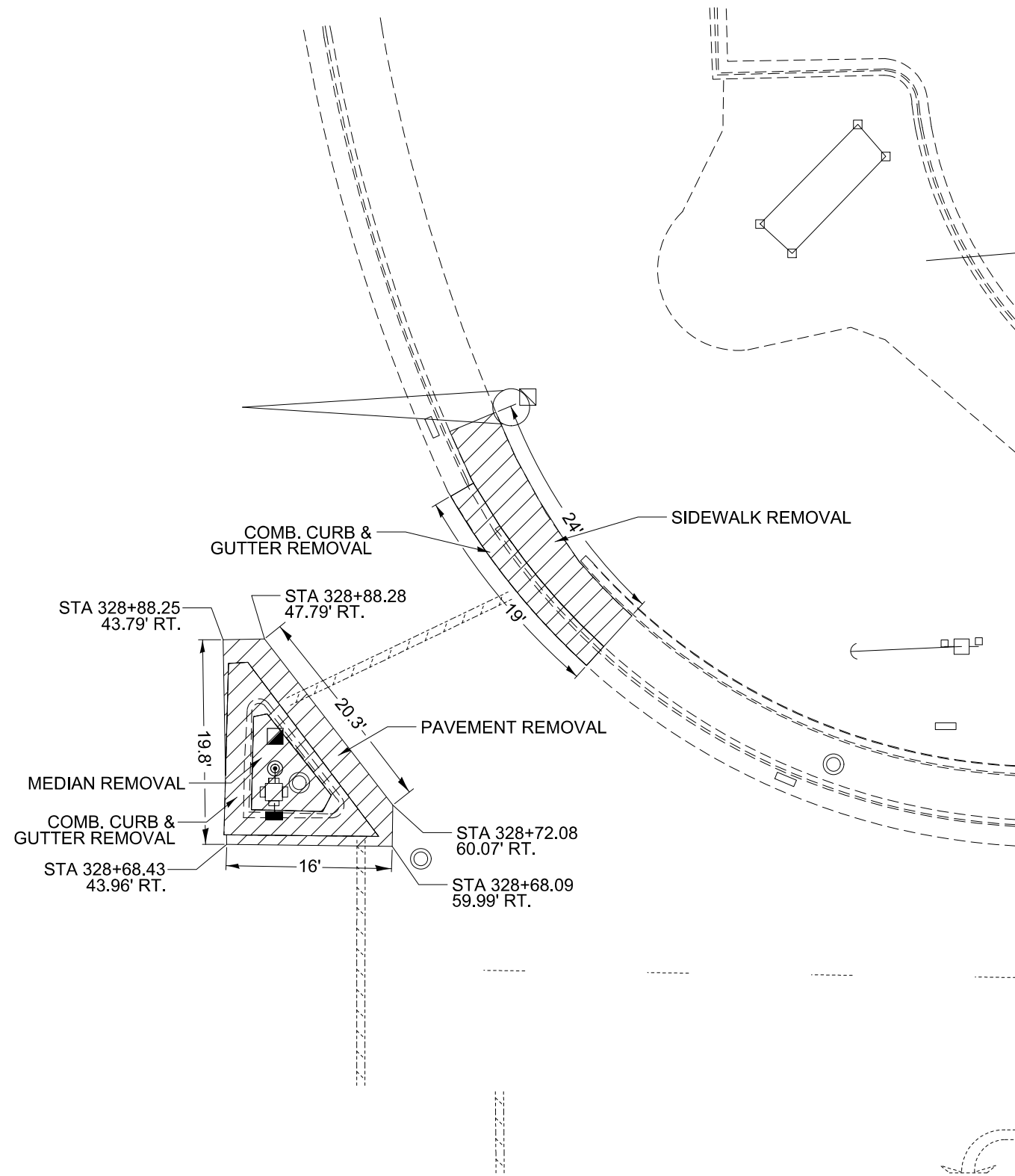
LOWES RAMP REMOVAL
NOT TO SCALE



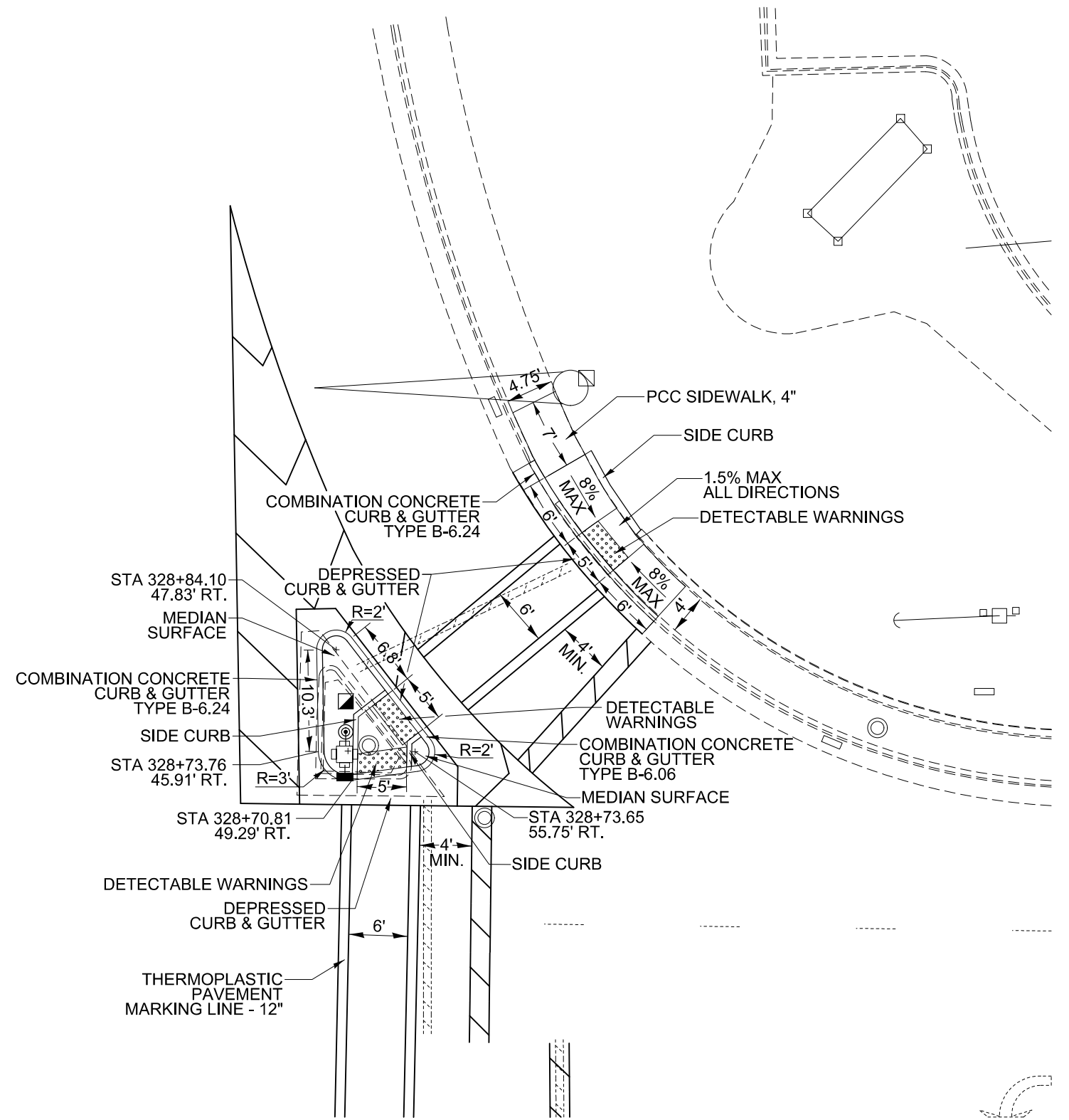
PROPOSED LOWES RAMP
NOT TO SCALE

NOTE: REFER TO APPROPRIATE HIGHWAY STANDARDS FOR DETAILS NOT SHOWN.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA SIDEWALK RAMPS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - ___	REVISED - ___		600	(130-1, 130-2)RS-2	ST CLAIR	36	19			
PLOT DATE = #DATE#	DATE - ___	REVISED - ___			SCALE: _____ SHEET NO. 2 OF 6 SHEETS STA. _____ TO STA. _____			CONTRACT NO. 76G55				
							FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT					



NE QUADRANT REMOVAL
NOT TO SCALE



PROPOSED NE QUADRANT
NOT TO SCALE

NOTE: REFER TO APPROPRIATE HIGHWAY STANDARDS FOR DETAILS NOT SHOWN.

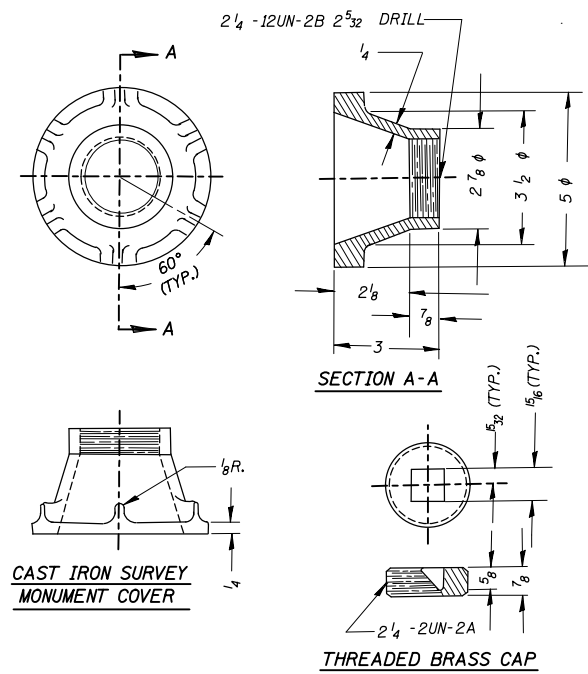
FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
	PLOT SCALE = *SCALE*	CHECKED - ___	REVISED - ___
	PLOT DATE = *DATE*	DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK RAMPS

SCALE: _____ SHEET NO. 4 OF 6 SHEETS STA. _____ TO STA. _____

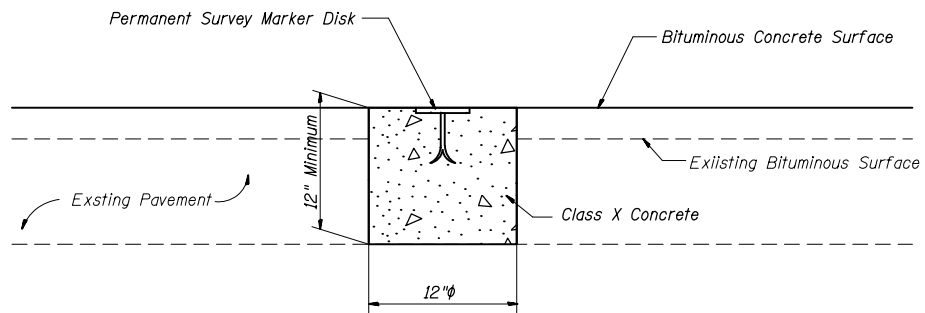
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST CLAIR	36	21
CONTRACT NO. 76G55				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



SURVEY MONUMENT COVER
ASSEMBLY DETAIL

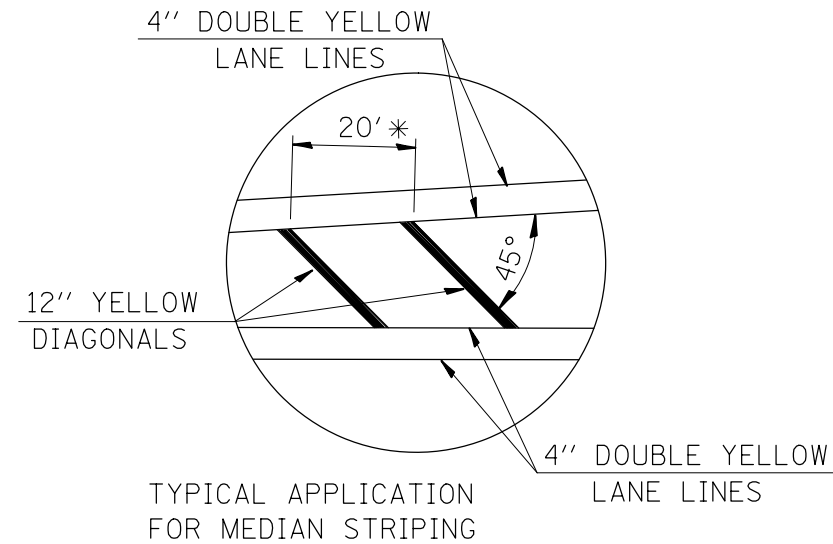
NOTES:

ALL DIMENSIONS IN INCHES
ALL RADII ARE 3/8" UNLESS SPECIFIED
ALL CHAMFERS ARE 45°
ROUND ALL SHARP EDGES
USE THREADS AND DIMENSIONS AS SPECIFIED OR EQUIV. BY APPROVAL OF THE ENGINEER.
THE SURVEY MONUMENT COVER ASSEMBLY SHOWN IS AN EXAMPLE. OTHER MODELS, SIMILAR IN DESIGN, MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
THE THREADS OF THE CAP AND COVER WILL BE COATED WITH PIPE TAPE OR PIPE THREAD COMPOUND PRIOR TO INSTALLATION

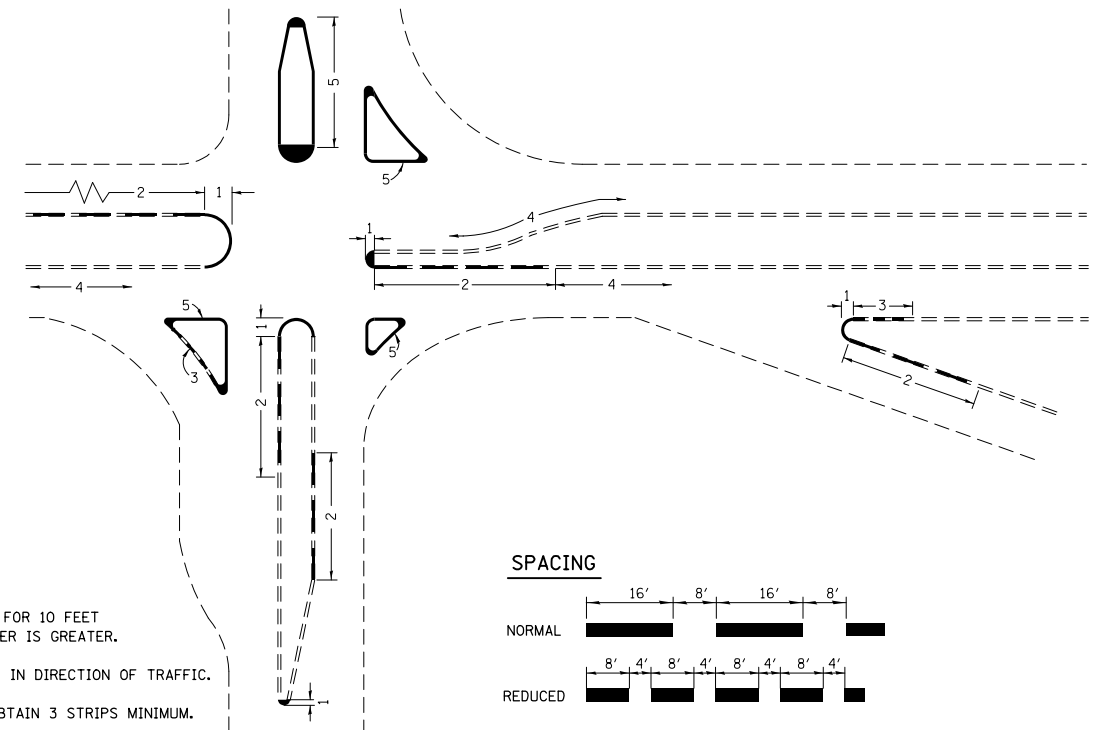


DETAIL OF PERMANENT SURVEY MARKER (SPECIAL)

NOTE: Class X Concrete shall be incidental to cost of Permanent Survey Marker (Special)



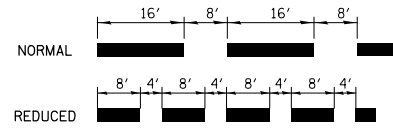
* 30' WHEN POSTED SPEED ≥ 45 MPH



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPES MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

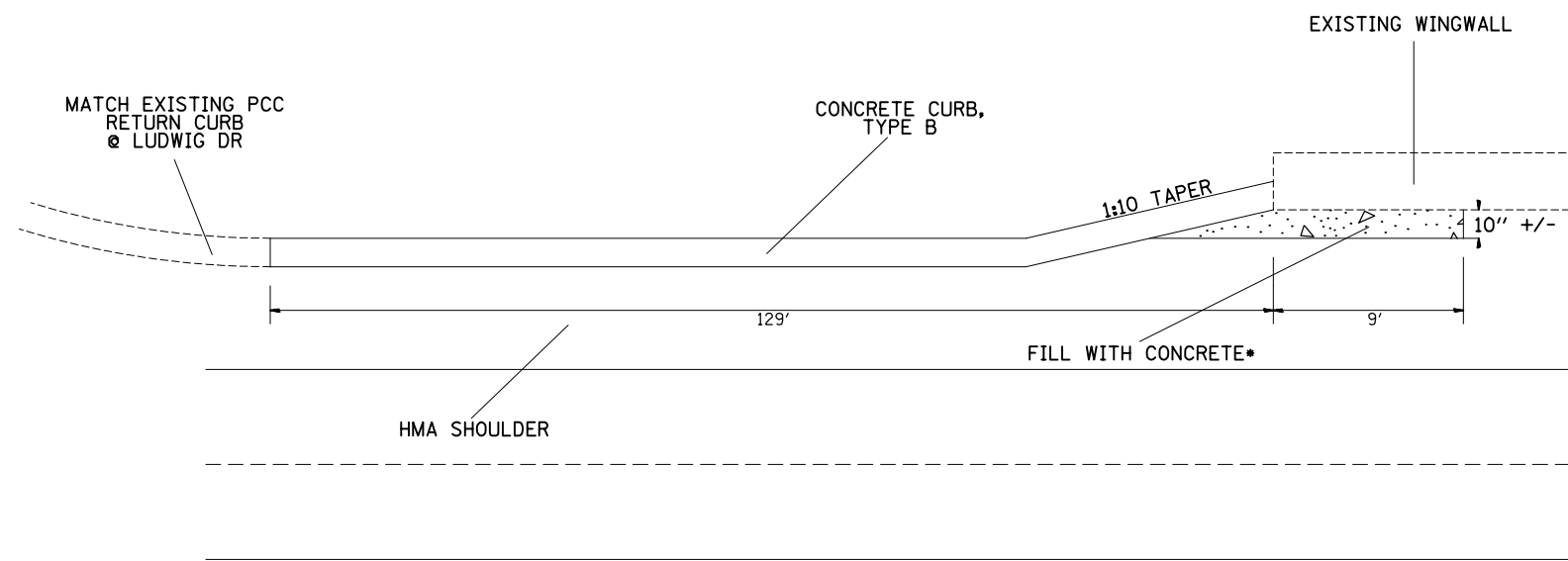
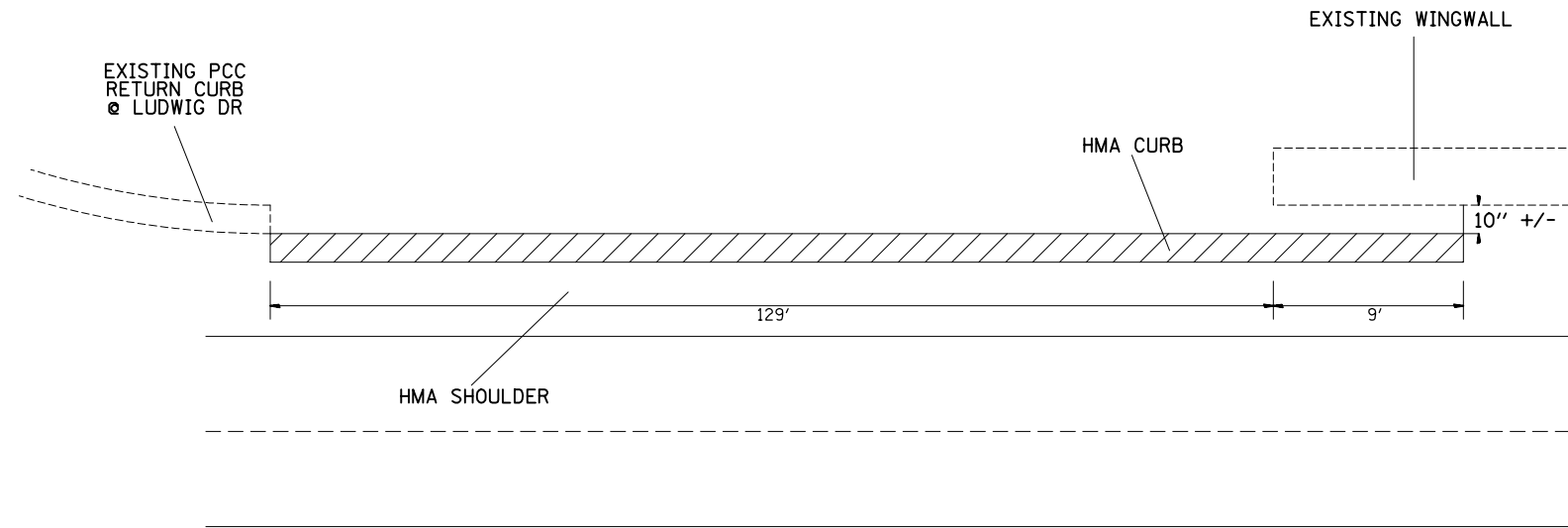
SPACING



PAINT CURB

NOT TO SCALE

 CURB REMOVAL



PCC CURB DETAIL
STA. 363+50 LT

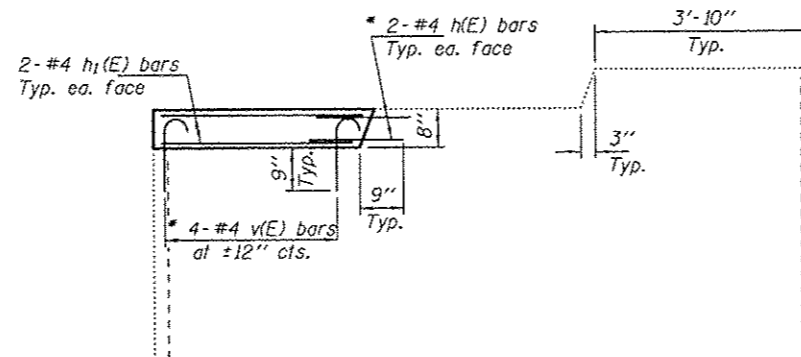
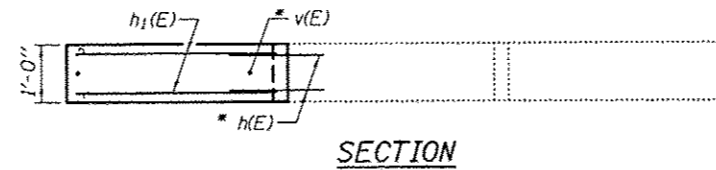
NOT TO SCALE

* THE COST OF FILLING THE GAP BETWEEN THE WINGWALL AND THE CURB REMOVAL WITH CONCRETE SHALL BE INCLUDED IN THE COST OF CONCRETE CURB, TYPE B.

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL SHEET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED - ___	REVISED - ___		600	(130-1, 130-2)RS-2	ST CLAIR	36	25		
PLOT DATE = *DATE*	DATE - ___	REVISED - ___			SCALE: _____ SHEET NO. 2 OF 2 SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76G55				
							FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

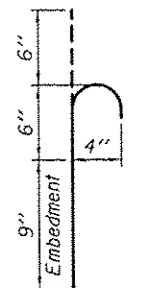
NOTES

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

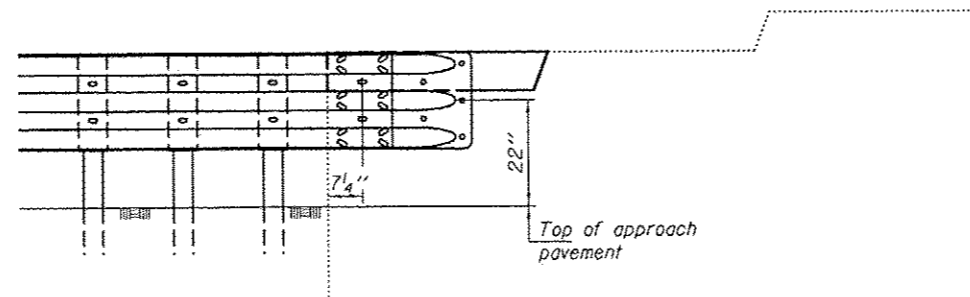


PROPOSED ELEVATION

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



BAR v(E)



GUARDRAIL LOCATION

**BILL OF MATERIAL
4 WINGWALLS**

Bar	No.	Size	Length	Shape
h(E)	16	#4	1'-9"	—
h1(E)	16	#4	3'-3"	—
v(E)	16	#4	1'-3"	U
Concrete Structures			Cu. Yd.	0.40
Reinforcement Bars, Epoxy Coated			Pound	70



EXPIRES 11-30-2014

DESIGNED <i>Dominic Baliva</i>	EXAMINED <i>Timothy A. D...</i>	DATE AUGUST 1, 2014
CHECKED <i>Dickson H. Velazquez</i>	PASSED <i>David Carl Puzey</i>	REVISIONS
DRAWN <i>baliva</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS
CHECKED <i>DAB</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WINGWALL MODIFICATION
FAP 600 (IL 159) OVER CSX RAILROAD
SN 082-0208**

SHEET NO. 1 OF 1 SHEETS

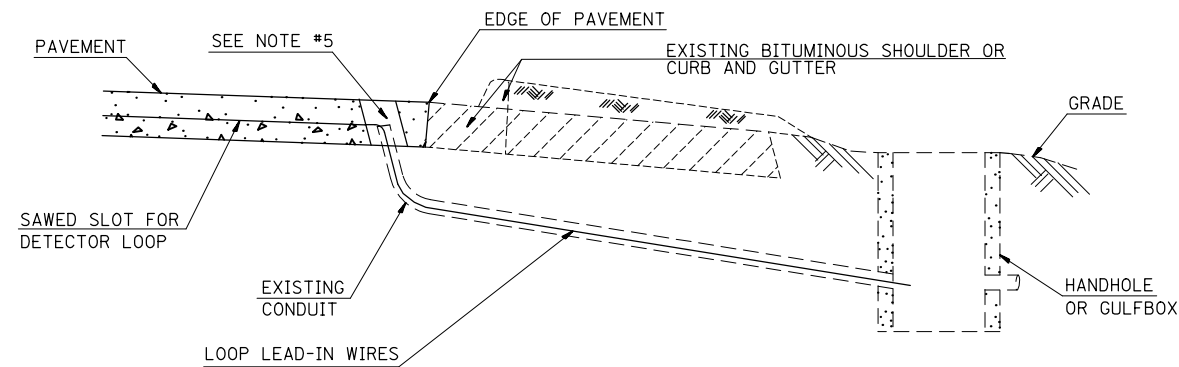
F.A.P. RTE. 600	SECTION 1130-1, 130-21RS-2	COUNTY ST. CLAIR	TOTAL SHEETS 36	SHEET NO. 26
CONTRACT NO. 76055			ILLINOIS FED. AID PROJECT	

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS"
FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES
IN EXISTING CONDUITS.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FOUNTAINS PRKWY.	LUDWIG/SALEM	ST CLR. SQ.-N	ST CLR. SQ.-S	LINCOLN TRL./HWY.	KOHL'S/LOWE'S	CHATEAU DR.	F.S. PRKWY.	GREENHAVEN DR.
80300100	LOCATING UNDERGROUND CABLE	FOOT	520	70	60	50	40	110	40	40	50	60
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	66					66	0			
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	5					5	0			
88600100	DETECTOR LOOP, TYPE I	FOOT	357					357	0			
88600600	DETECTOR LOOP REPLACEMENT	FOOT	14050	2241	1601	759	594	2820	1413	1248	2121	1253
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1					1	0			
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1					1	0			
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	488					488	0			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4					2	2			
89502380	REMOVE EXISTING HANDHOLE	EACH	2					2	0			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1					1	0			
X8880010	ADA PEDESTRIAN PUSH-BUTTON	EACH	3					1	2			








DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

-  EX. HANDHOLE
-  EX. DETECTOR LOOP
-  EX. TRAFFIC SIGNAL CONTROLLER
-  EXISTING CONDUIT
-  PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\prestonme\d0344817\d876g95-sh-t-TS.dgn	DRAWN -	REVISED -	600			(130-1, 130-2)RS-2	ST. CLAIR	36	27**	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 76G55							
PLOT DATE = 7/8/2014	DATE -	REVISED -	SCALE:			SHEET NO. 1 OF 10 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

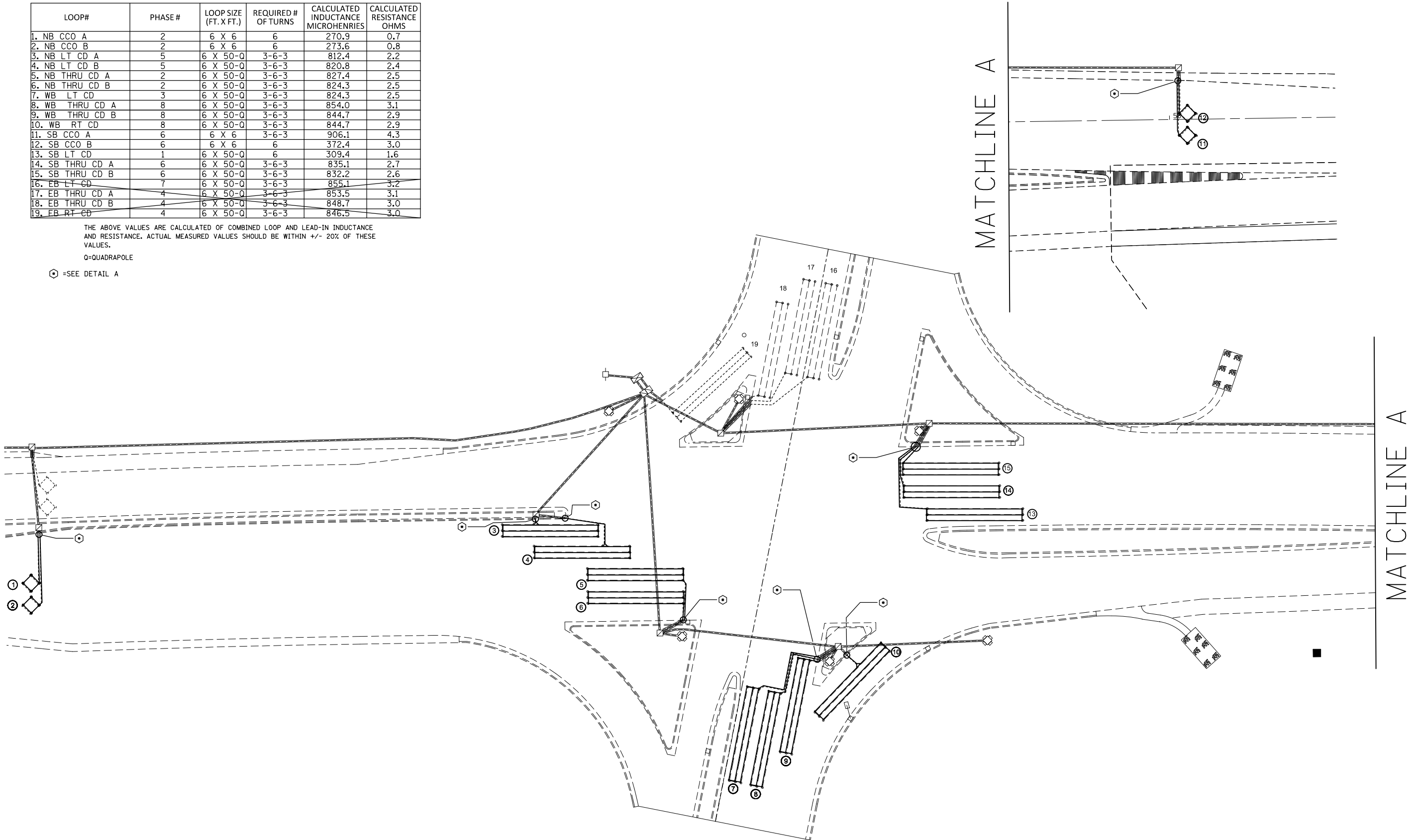
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & FOUNTAINS PRKWY.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. NB CCO A	2	6 X 6	6	270.9	0.7
2. NB CCO B	2	6 X 6	6	273.6	0.8
3. NB LT CD A	5	6 X 50-Q	3-6-3	812.4	2.2
4. NB LT CD B	5	6 X 50-Q	3-6-3	820.8	2.4
5. NB THRU CD A	2	6 X 50-Q	3-6-3	827.4	2.5
6. NB THRU CD B	2	6 X 50-Q	3-6-3	824.3	2.5
7. WB LT CD	3	6 X 50-Q	3-6-3	824.3	2.5
8. WB THRU CD A	8	6 X 50-Q	3-6-3	854.0	3.1
9. WB THRU CD B	8	6 X 50-Q	3-6-3	844.7	2.9
10. WB RT CD	8	6 X 50-Q	3-6-3	844.7	2.9
11. SB CCO A	6	6 X 6	3-6-3	906.1	4.3
12. SB CCO B	6	6 X 6	6	372.4	3.0
13. SB LT CD	1	6 X 50-Q	6	309.4	1.6
14. SB THRU CD A	6	6 X 50-Q	3-6-3	835.1	2.7
15. SB THRU CD B	6	6 X 50-Q	3-6-3	832.2	2.6
16. EB LT CD	7	6 X 50-Q	3-6-3	855.1	3.2
17. EB THRU CD A	4	6 X 50-Q	3-6-3	853.5	3.1
18. EB THRU CD B	4	6 X 50-Q	3-6-3	848.7	3.0
19. EB RT CD	4	6 X 50-Q	3-6-3	846.5	3.0

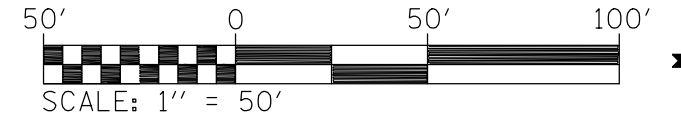
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



IL 159 & FOUNTAINS PRKWY.



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PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 7/8/2014		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 159 & FOUNTAINS PRKWY.

SCALE: SHEET NO. 2 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	28**
CONTRACT NO. 76G55				
ILLINOIS FED. AID PROJECT				

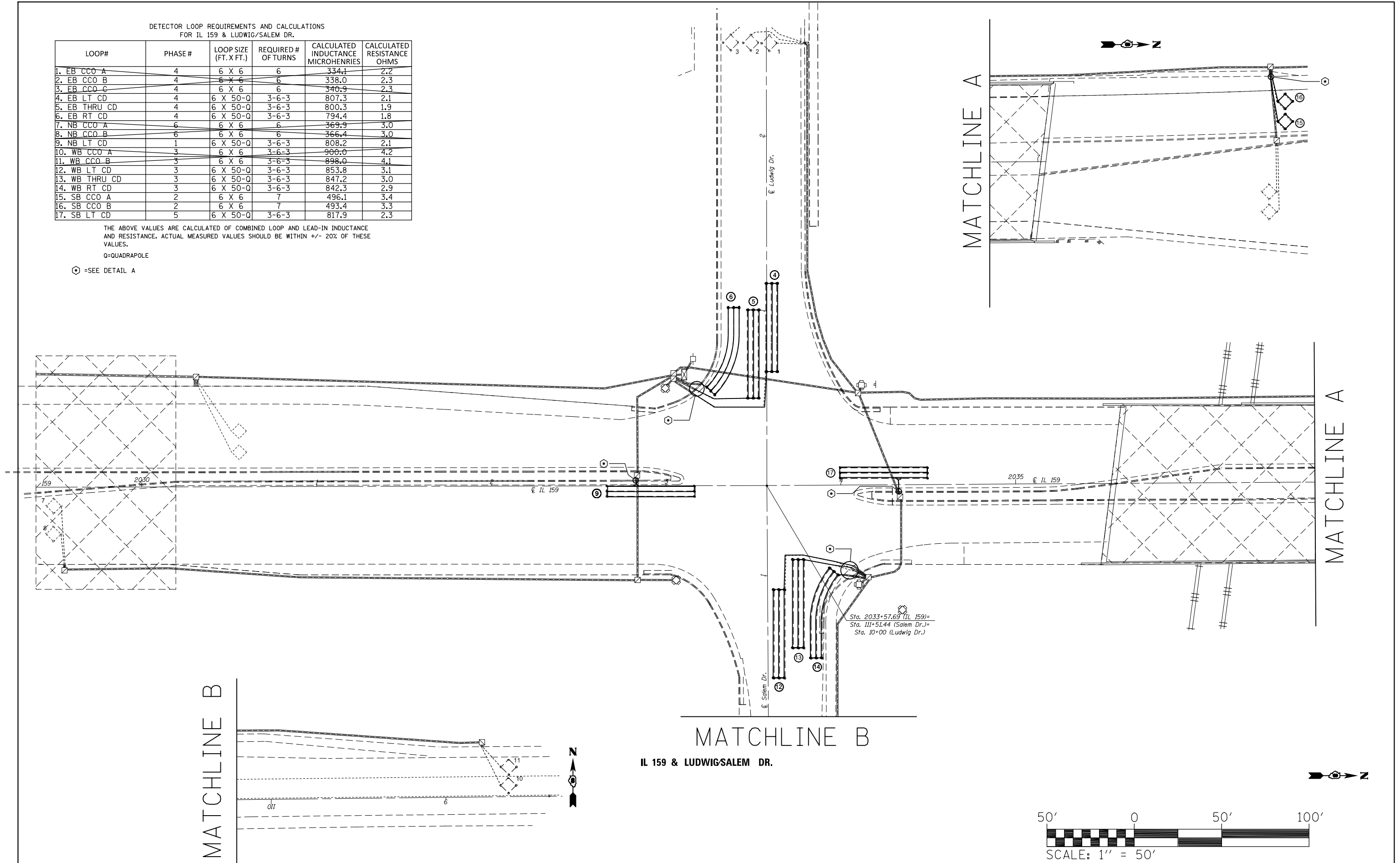
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & LUDWIG/SALEM DR.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB CCO A	4	6 X 6	6	334.1	2.2
2. EB CCO B	4	6 X 6	6	338.0	2.3
3. EB CCO C	4	6 X 6	6	340.9	2.3
4. EB LT CD	4	6 X 50-Q	3-6-3	807.3	2.1
5. EB THRU CD	4	6 X 50-Q	3-6-3	800.3	1.9
6. EB RT CD	4	6 X 50-Q	3-6-3	794.4	1.8
7. NB CCO A	6	6 X 6	6	369.9	3.0
8. NB CCO B	6	6 X 6	6	366.4	3.0
9. NB LT CD	1	6 X 50-Q	3-6-3	808.2	2.1
10. WB CCO A	3	6 X 6	3-6-3	900.0	4.2
11. WB CCO B	3	6 X 6	3-6-3	898.0	4.1
12. WB LT CD	3	6 X 50-Q	3-6-3	853.8	3.1
13. WB THRU CD	3	6 X 50-Q	3-6-3	847.2	3.0
14. WB RT CD	3	6 X 50-Q	3-6-3	842.3	2.9
15. SB CCO A	2	6 X 6	7	496.1	3.4
16. SB CCO B	2	6 X 6	7	493.4	3.3
17. SB LT CD	5	6 X 50-Q	3-6-3	817.9	2.3

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



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PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 7/8/2014		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 159 & LUDWIG/SALEM DR.

SCALE: SHEET NO. 3 OF 10 SHEETS STA. TO STA.

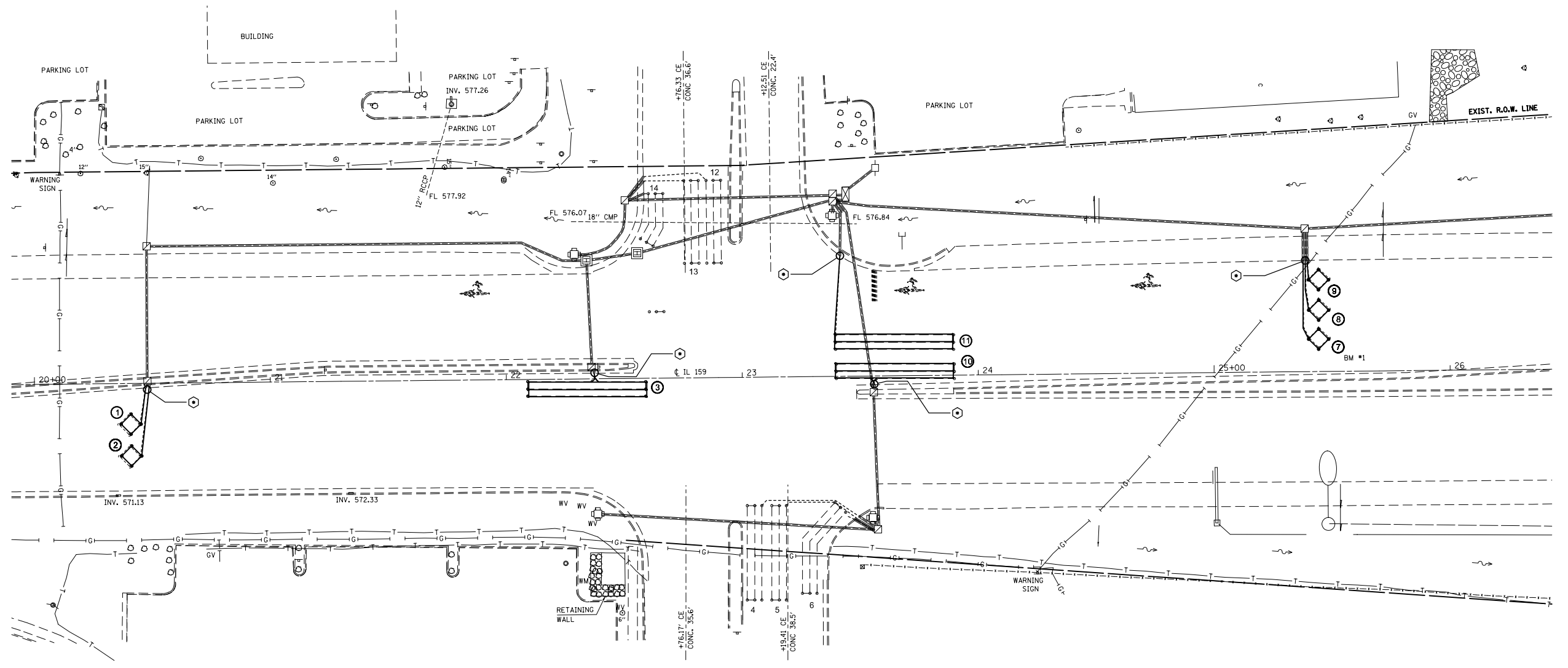
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	29**
CONTRACT NO. 76G55				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & ST. CLAIR SQUARE-N.

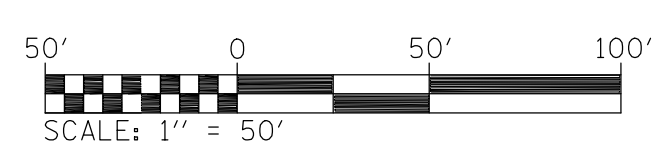
LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. NB CCO A	6	6 X 6	6	343.1	2.4
2. NB CCO B	6	6 X 6	6	346.0	2.4
3. NB LT CD	1	6 X 50-Q	3-6-3	827.6	2.5
4. WB LT CD	3	6 X 40-Q	3-6-3	677.6	2.2
5. WB THRU CD	3	6 X 40-Q	3-6-3	683.1	2.4
6. WB RT CD	3	6 X 40-Q	3-6-3	676.7	2.2
7. SB CCO A	2	6 X 6	6	314.5	1.7
8. SB CCO B	2	6 X 6	6	311.6	1.7
9. SB CCO C	2	6 X 6	6	306.8	1.6
10. SB LT CD	5	6 X 50-Q	3-6-3	812.0	2.2
11. SB THRU CD	2	6 X 50-Q	3-6-3	802.9	2.0
12. EB LT CD	4	6 X 40-Q	3-6-3	669.2	2.0
13. EB THRU CD	4	6 X 40-Q	3-6-3	666.8	2.0
14. EB RT CD	4	6 X 40-Q	3-6-3	662.8	1.9

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE
-SEE DETAIL A



IL 159 & ST. CLAIR SQUARE-N.



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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/8/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN	
IL 159 & ST. CLAIR SQUARE-N.	
SCALE:	SHEET NO. 4 OF 10 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	30**
CONTRACT NO. 76G55				
ILLINOIS FED. AID PROJECT				

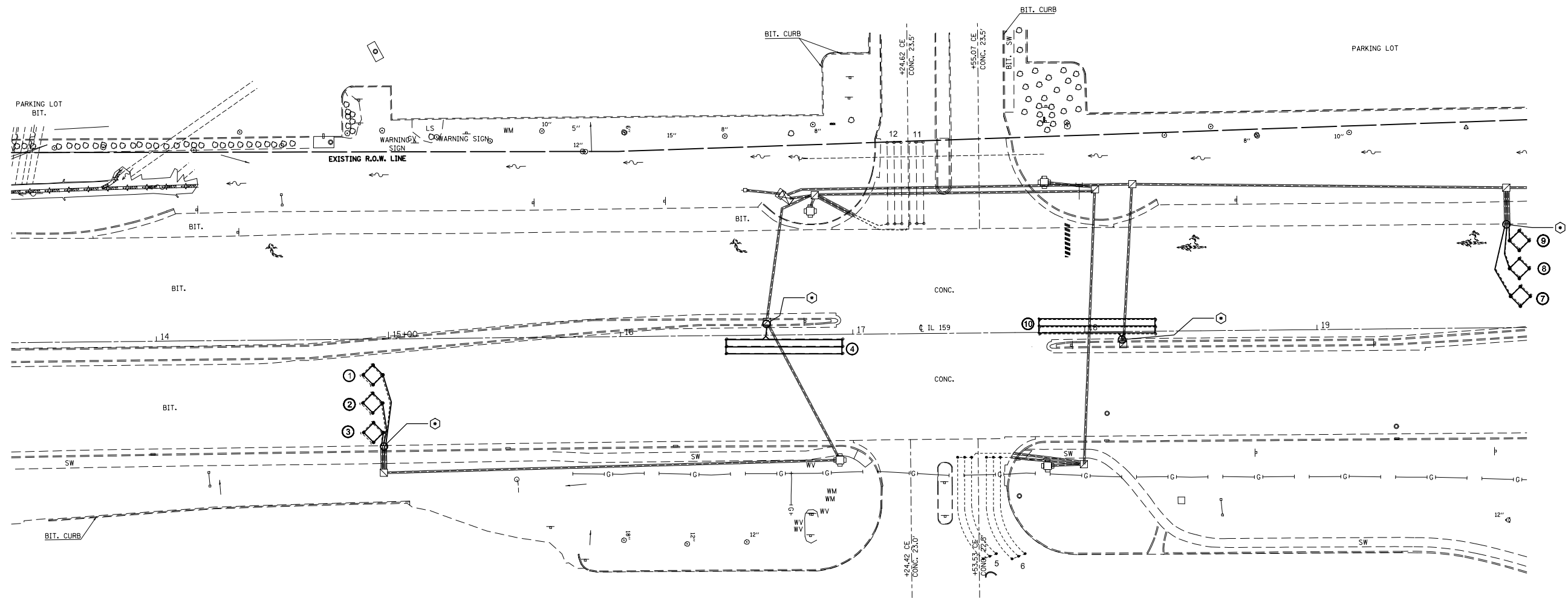
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & ST. CLAIR SQUARE-S.

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. NB CCO A	6	6 X 6	6	344.9	2.4
2. NB CCO B	6	6 X 6	6	342.0	2.3
3. NB CCO C	6	6 X 6	6	339.1	2.3
4. NB LT CD	1	6 X 40-Q	3-6-3	809.5	2.1
5. WB LT CD	3	6 X 40-Q	3-6-3	707.1	2.9
6. WB THRU CD	3	6 X 40-Q	3-6-3	704.6	2.9
7. SB CCO A	2	6 X 6	6	341.8	2.3
8. SB CCO B	2	6 X 6	6	338.7	2.3
9. SB CCO C	2	6 X 6	6	336.1	2.2
10. SB LT CD	5	6 X 50-Q	3-6-3	843.6	1.6
11. EB LT CD	4	6 X 35-Q	3-6-3	577.5	1.5
12. EB THRU CD	4	6 X 35-Q	3-6-3	574.6	1.5

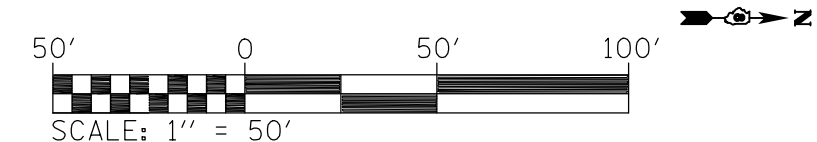
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



IL 159 & ST. CLAIR SQUARE-S.



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 159 & ST. CLAIR SQUARE-S.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\prestonme\d0344817\d876g95-sh-t-TS.dgn	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -					600	(130-1, 130-2)RS-2	ST. CLAIR	36	31**
	PLOT DATE = 7/8/2014	CHECKED -	REVISED -		CONTRACT NO. 76G55							
		DATE -	REVISED -		SCALE:	SHEET NO. 5 OF 10 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

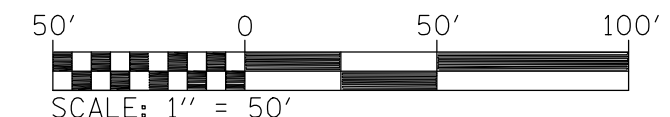
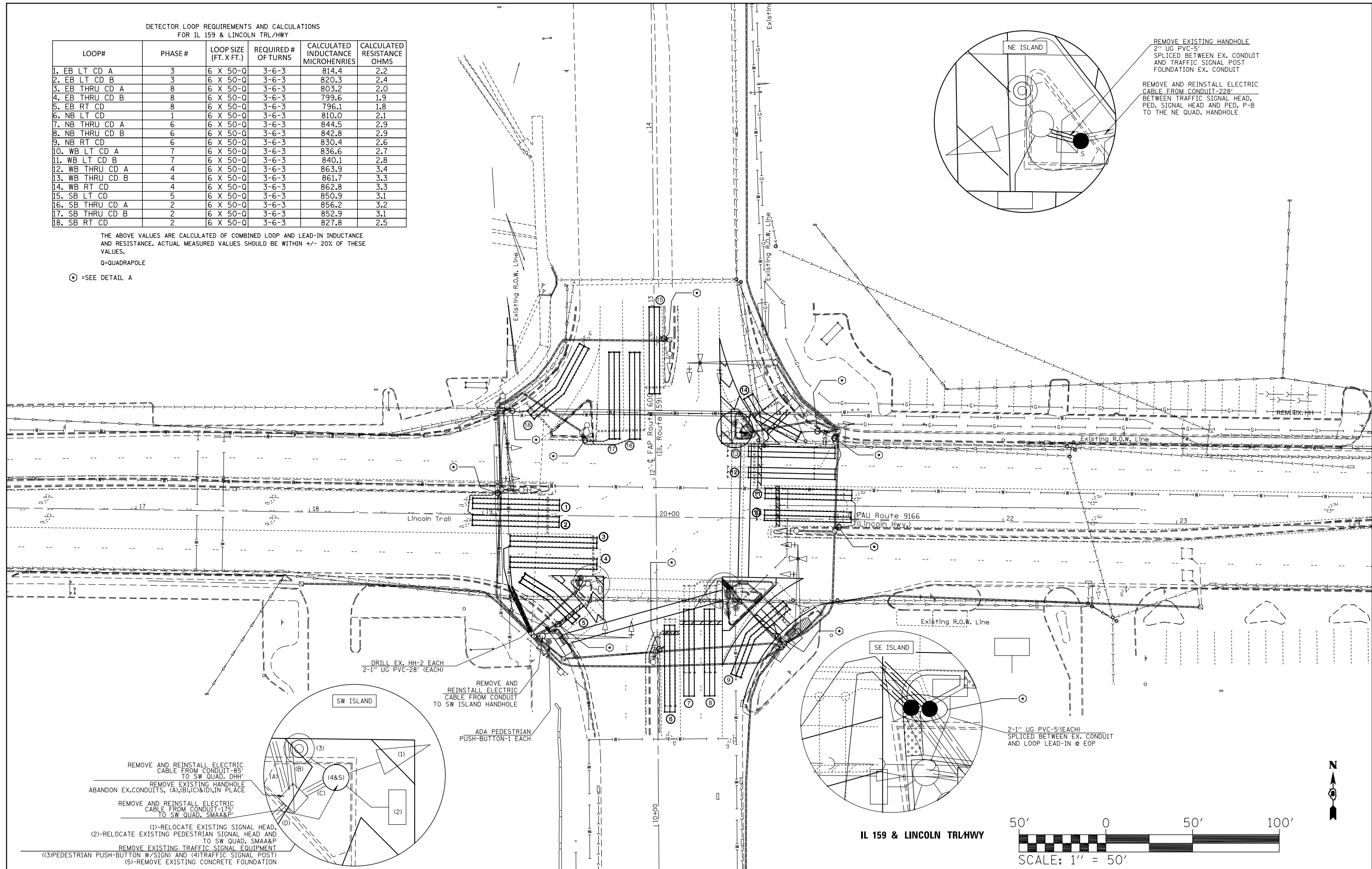
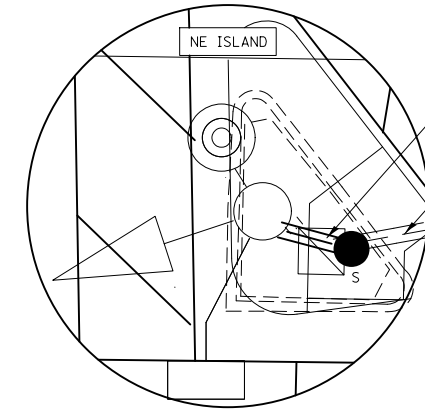
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & LINCOLN TRL/HWY

LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD A	3	6 X 50-0	3-6-3	814.4	2.2
2. EB LT CD B	3	6 X 50-0	3-6-3	820.3	2.4
3. EB THRU CD A	8	6 X 50-0	3-6-3	803.2	2.0
4. EB THRU CD B	8	6 X 50-0	3-6-3	799.6	1.9
5. EB RT CD	8	6 X 50-0	3-6-3	796.1	1.8
6. NB LT CD	1	6 X 50-0	3-6-3	810.0	2.1
7. NB THRU CD A	6	6 X 50-0	3-6-3	844.5	2.9
8. NB THRU CD B	6	6 X 50-0	3-6-3	842.8	2.9
9. NB RT CD	6	6 X 50-0	3-6-3	830.4	2.6
10. WB LT CD A	7	6 X 50-0	3-6-3	836.6	2.7
11. WB LT CD B	7	6 X 50-0	3-6-3	840.1	2.8
12. WB THRU CD A	4	6 X 50-0	3-6-3	863.9	3.4
13. WB THRU CD B	4	6 X 50-0	3-6-3	861.7	3.3
14. WB RT CD	4	6 X 50-0	3-6-3	862.8	3.3
15. SB LT CD	5	6 X 50-0	3-6-3	850.9	3.1
16. SB THRU CD A	2	6 X 50-0	3-6-3	856.2	3.2
17. SB THRU CD B	2	6 X 50-0	3-6-3	852.9	3.1
18. SB RT CD	2	6 X 50-0	3-6-3	827.8	2.5

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊕ =SEE DETAIL A



FILE NAME =	USER NAME = prestonne	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/8/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 159 & LINCOLN TRL/HWY

SCALE: SHEET NO. 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	32**
CONTRACT NO. 76G55				
ILLINOIS FED. AID PROJECT				

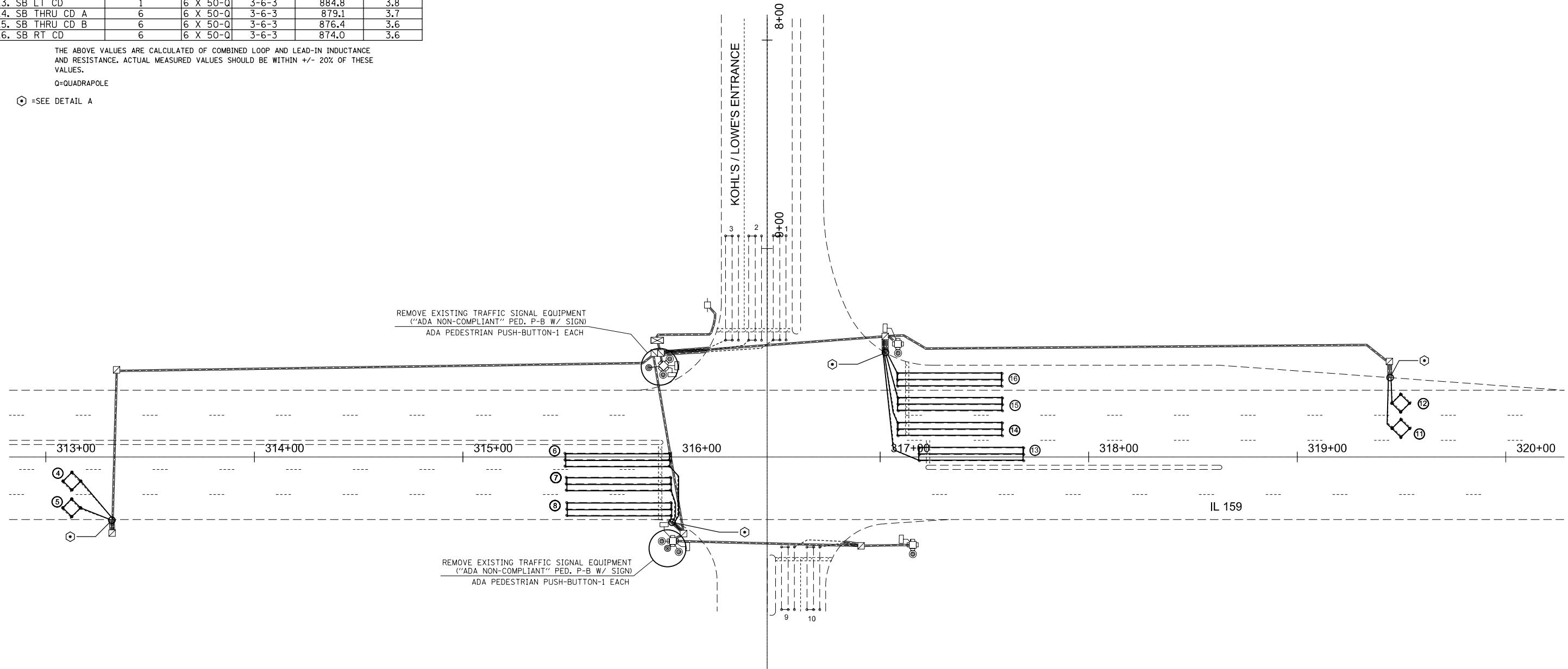
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & KOHL'S /LOWE'S ENTRANCE

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 50-Q	3-6-3	802.7	2.0
2. EB THRU CD A	4	6 X 50-Q	3-6-3	800.1	1.9
3. EB THRU CD B	4	6 X 50-Q	3-6-3	797.4	1.9
4. NB CCO A	2	6 X 6	6	341.8	2.3
5. NB CCO B	2	6 X 6	6	340.0	2.3
6. NB LT CD	5	6 X 50-Q	3-6-3	820.1	2.4
7. NB THRU CD A	2	6 X 50-Q	3-6-3	817.2	2.3
8. NB THRU CD B	2	6 X 50-Q	3-6-3	817.2	2.3
9. WB LT CD	3	6 X 50-Q	3-6-3	840.3	2.8
10. WB THRU CD	3	6 X 50-Q	3-6-3	837.5	2.8
11. SB CCO A	6	6 X 6	6	346.2	2.4
12. SB CCO B	6	6 X 6	6	343.1	2.4
13. SB LT CD	1	6 X 50-Q	3-6-3	884.8	3.8
14. SB THRU CD A	6	6 X 50-Q	3-6-3	879.1	3.7
15. SB THRU CD B	6	6 X 50-Q	3-6-3	876.4	3.6
16. SB RT CD	6	6 X 50-Q	3-6-3	874.0	3.6

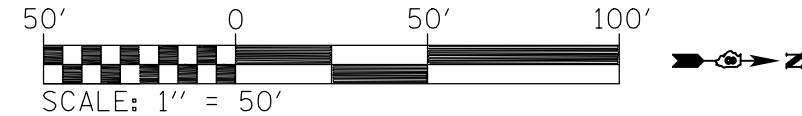
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊕=SEE DETAIL A



IL 159 & KOHL'S /LOWE'S ENTRANCE



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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/8/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 159 & KOHL'S /LOWE'S ENTRANCE

SCALE: SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	33**
CONTRACT NO. 76G55				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & CHATEAU DR.

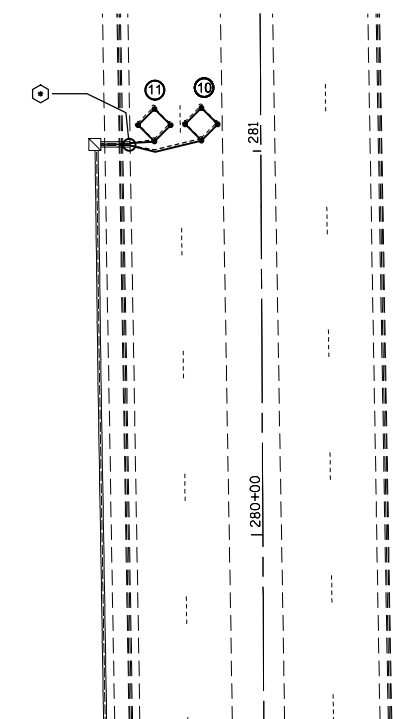
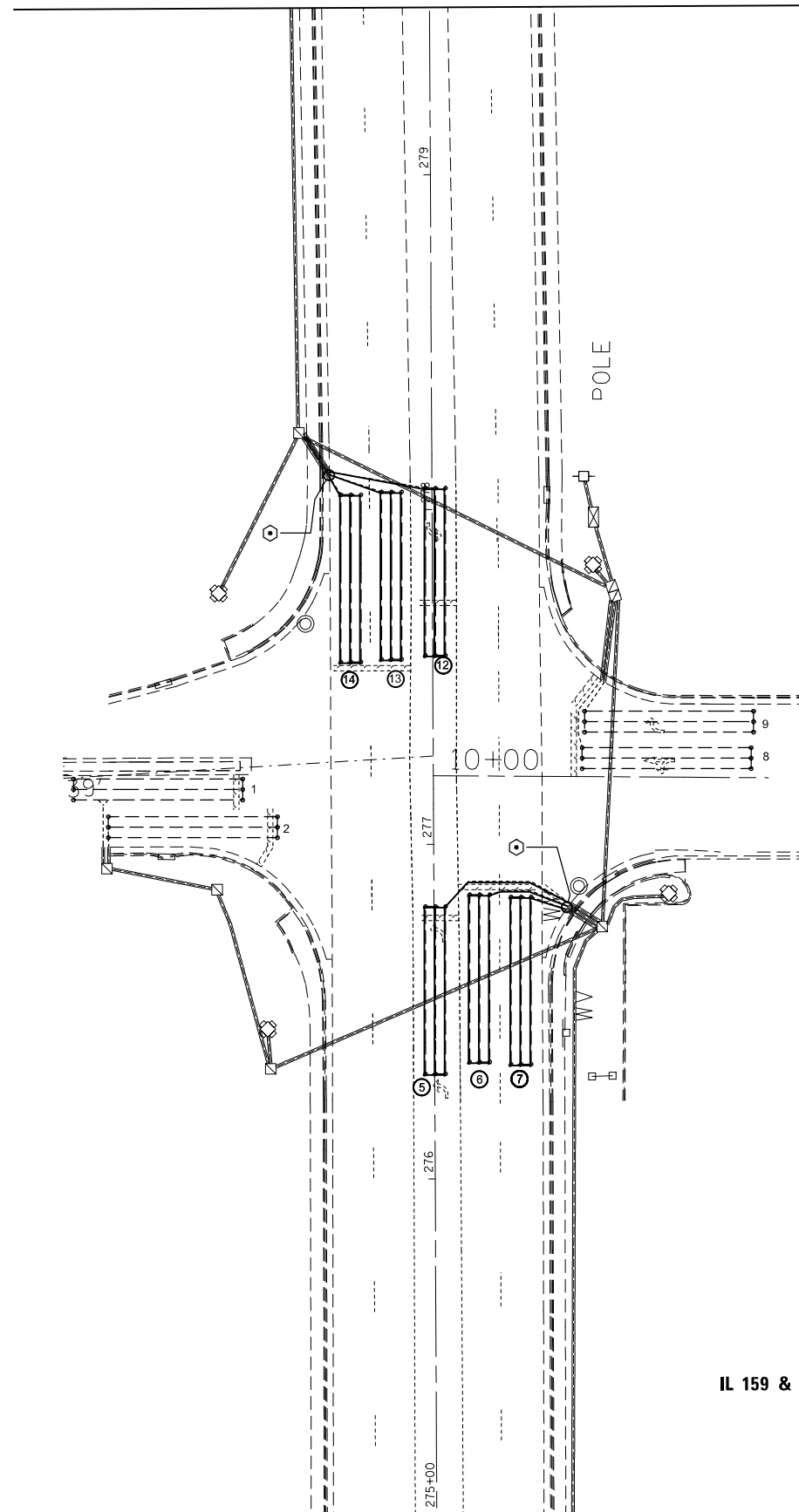
LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 50-Q	3-6-3	893.6	4.0
2. EB THRU CD	4	6 X 50-Q	3-6-3	890.5	4.0
3. NB CCO A	6	6 X 6	7	504.4	3.6
4. NB CCO B	6	6 X 6	7	501.8	3.5
5. NB LT CD	1	6 X 50-Q	3-6-3	899.7	4.2
6. NB THRU CD A	6	6 X 50-Q	3-6-3	896.4	4.1
7. NB THRU CD B	6	6 X 6	3-6-3	893.6	4.0
8. WB LT CD	3	6 X 50-Q	3-6-3	830.9	2.6
9. WB THRU CD	3	6 X 50-Q	3-6-3	828.2	2.6
10. SB CCO A	2	6 X 6	6	358.9	2.7
11. SB CCO B	2	6 X 6	6	356.1	2.7
12. SB LT CD	5	6 X 50-Q	3-6-3	831.5	2.6
13. SB THRU CD A	2	6 X 50-Q	3-6-3	828.9	2.6
14. SB THRU CD B	2	6 X 50-Q	3-6-3	826.7	2.5

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

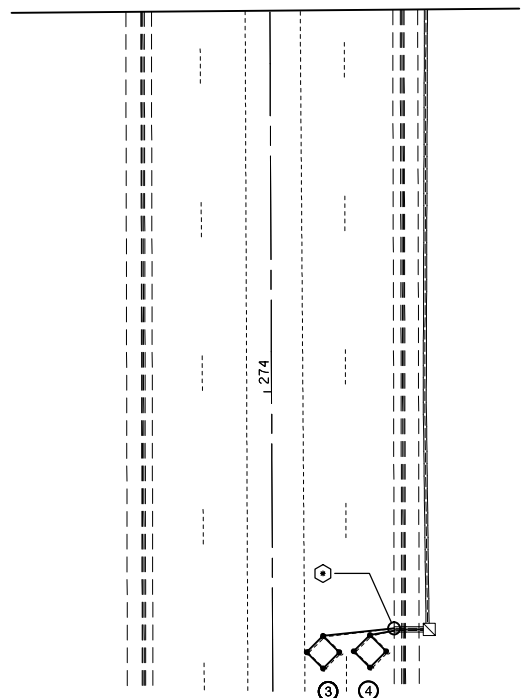
⊙=SEE DETAIL A

MATCHLINE A



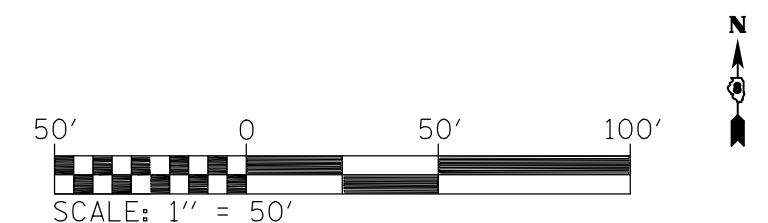
MATCHLINE A

MATCHLINE B



MATCHLINE B

IL 159 & CHATEAU DR.



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	PLOT DATE = 7/8/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 159 & CHATEAU DR.

SCALE: SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	34**
CONTRACT NO. 76G55			ILLINOIS FED. AID PROJECT	

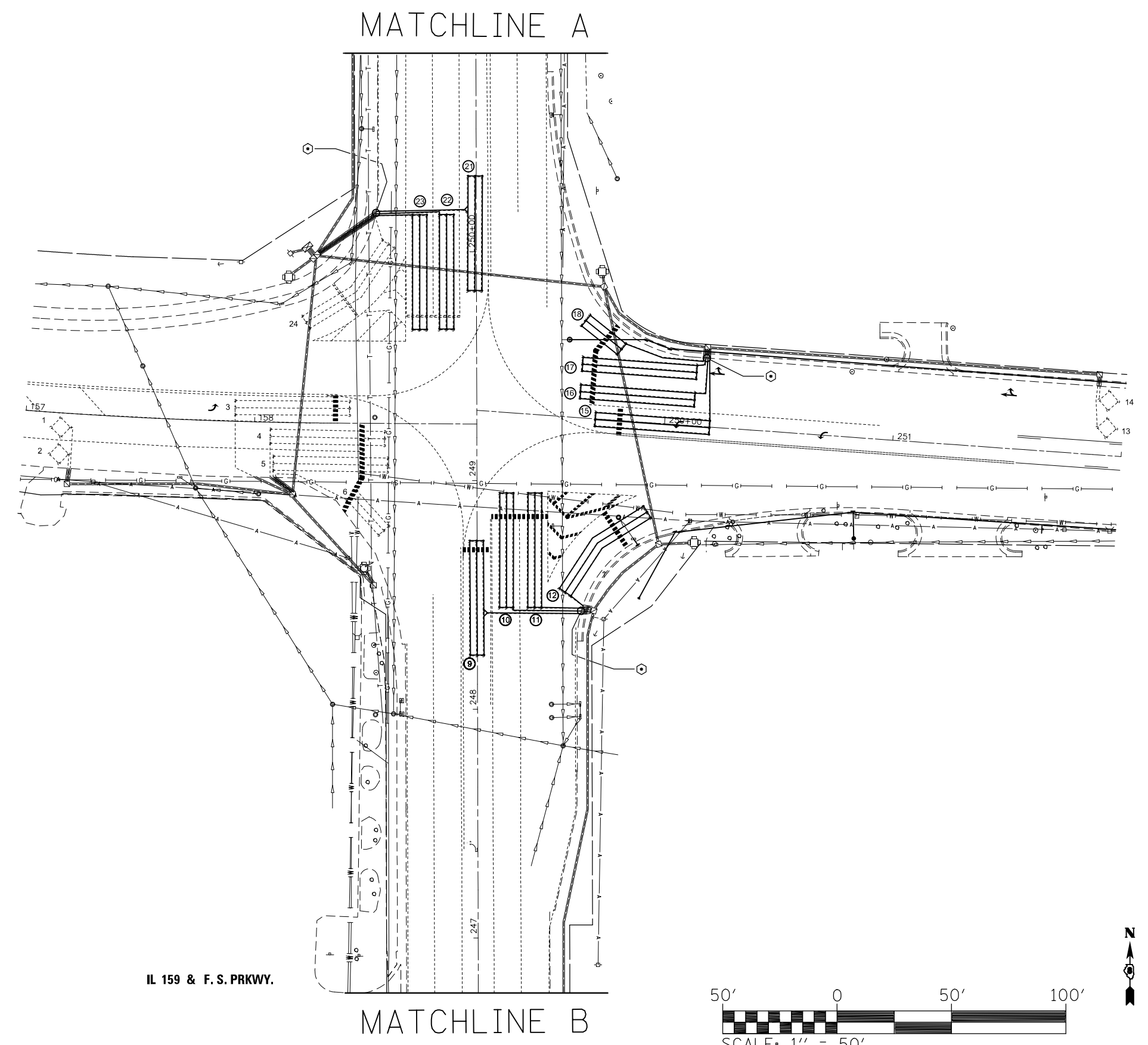
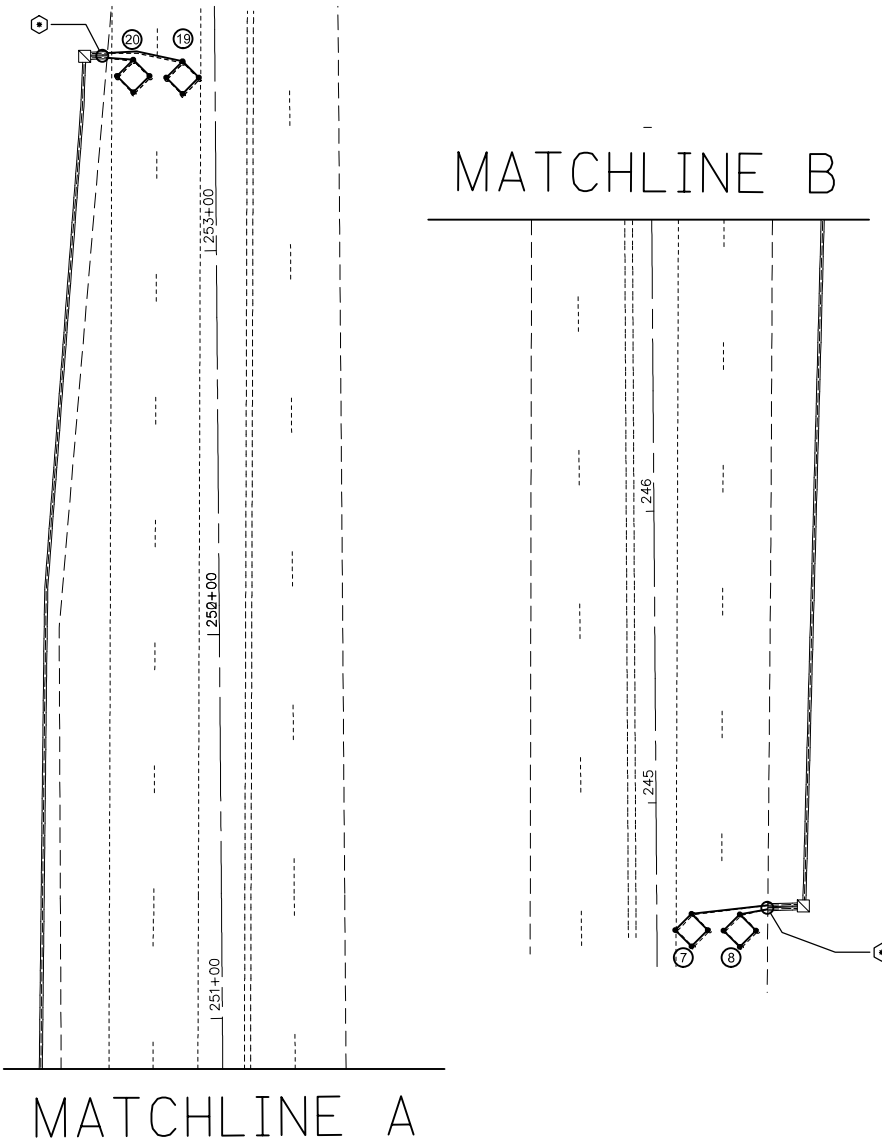
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & F. S. PRKWY.

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB CCO A	4	6 X 6	6	311.6	1.7
2. EB CCO B	4	6 X 6	6	308.8	1.6
3. EB LT CD	7	6 X 50-Q	3-6-3	825.4	2.5
4. EB THRU CD A	4	6 X 50-Q	3-6-3	820.3	2.4
5. EB THRU CD B	4	6 X 50-Q	3-6-3	817.7	2.3
6. EB RT CD	4	6 X 50-Q	3-6-3	824.7	2.5
7. NB CCO A	2	6 X 6	6	371.0	3.0
8. NB CCO B	2	6 X 6	6	368.2	2.9
9. NB LT CD	5	6 X 50-Q	3-6-3	866.5	3.4
10. NB THRU CD A	2	6 X 50-Q	3-6-3	863.4	3.4
11. NB THRU CD B	2	6 X 50-Q	3-6-3	860.4	3.3
12. NB RT CD	2	6 X 50-Q	3-6-3	857.9	3.2
13. WB CCO A	8	6 X 6	6	345.1	2.4
14. WB CCO B	8	6 X 6	6	342.1	2.4
15. WB LT CD	3	6 X 50-Q	3-6-3	839.5	2.8
16. WB THRU CD A	8	6 X 50-Q	3-6-3	837.9	2.8
17. WB THRU CD B	8	6 X 50-Q	3-6-3	834.8	2.7
18. WB RT CD	8	6 X 20-Q	3-6-3	391.7	2.0
19. SB CCO A	6	6 X 6	6	324.2	1.9
20. SB CCO B	6	6 X 6	6	321.3	1.9
21. SB LT CD	1	6 X 50-Q	3-6-3	807.1	2.1
22. SB THRU CD A	6	6 X 50-Q	3-6-3	803.8	2.0
23. SB THRU CD B	6	6 X 50-Q	3-6-3	800.7	1.9
24. SB RT CD	6	6 X 50-Q	3-6-3	799.4	1.9

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙=SEE DETAIL A



IL 159 & F. S. PRKWY.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN IL 159 & F. S. PRKWY.			
SCALE:	SHEET NO. 9 OF 10 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	35**
CONTRACT NO. 76G55				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 159 & GREENHAVEN DR.

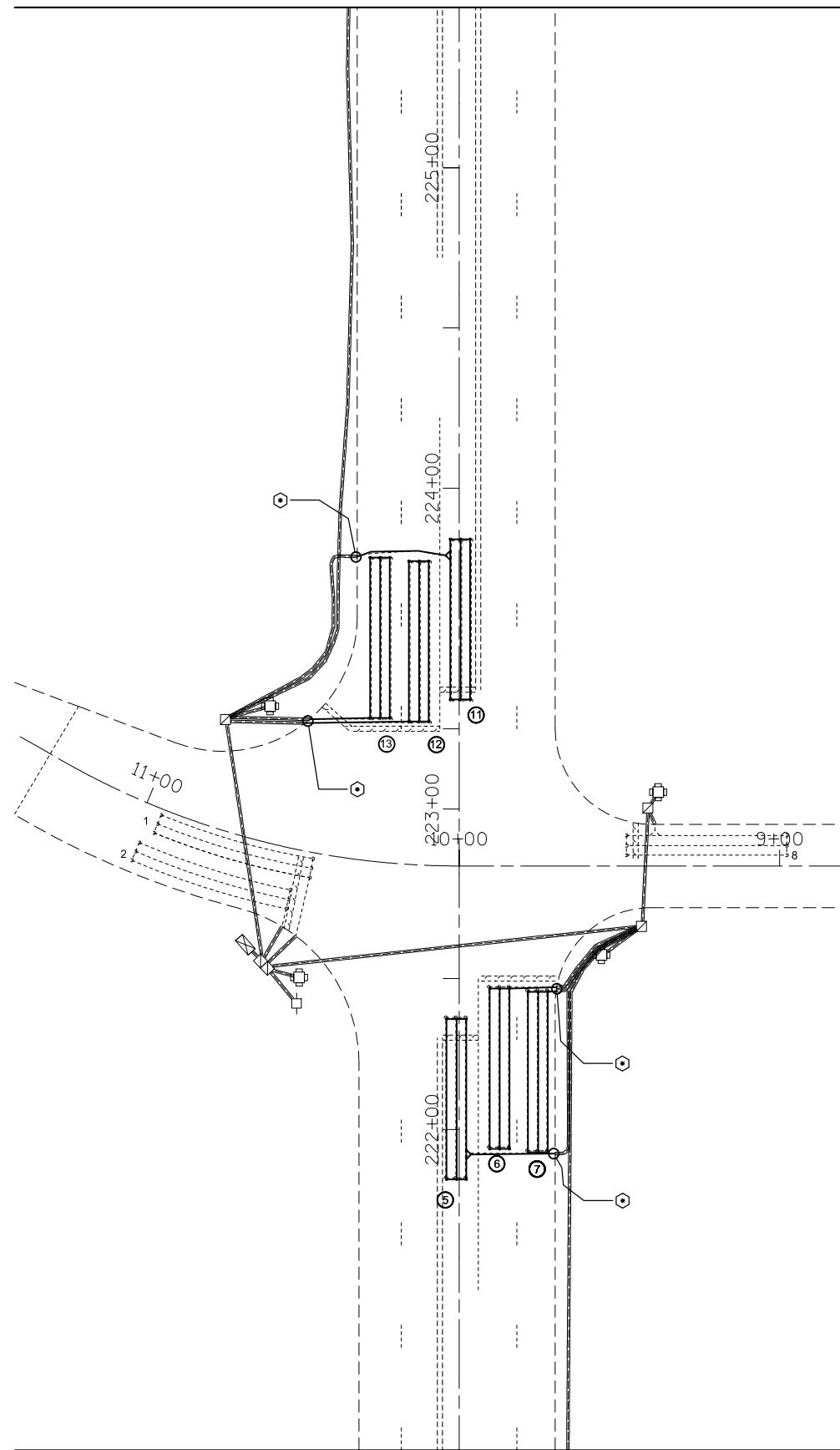
LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	4	6 X 50-Q	3-6-3	797.4	1.8
2. EB THRU CD	4	6 X 50-Q	3-6-3	794.4	1.8
3. NB CCO A	6	6 X 6	6	329.9	2.1
4. NB CCO B	6	6 X 6	6	327.5	2.0
5. NB LT CD	1	6 X 50-Q	3-6-3	842.3	2.9
6. NB THRU CD A	6	6 X 50-Q	3-6-3	827.6	1.6
7. NB THRU CD B	6	6 X 50-Q	3-6-3	825.2	2.5
8. WB THRU-LT CD	3	6 X 50-Q	3-6-3	828.2	2.6
9. SB CCO A	2	6 X 6	6	320.0	1.8
10. SB CCO B	2	6 X 6	6	317.1	1.8
11. SB LT CD	5	6 X 50-Q	3-6-3	815.5	2.3
12. SB THRU CD A	2	6 X 50-Q	3-6-3	804.7	2.0
13. SB THRU CD B	2	6 X 50-Q	3-6-3	801.6	1.9

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

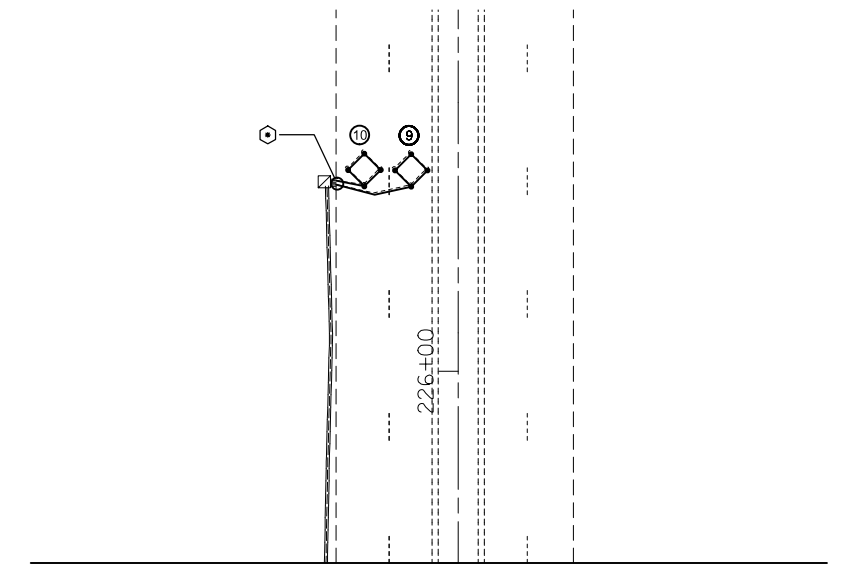
⊙ =SEE DETAIL A

MATCHLINE A

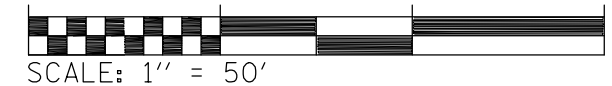
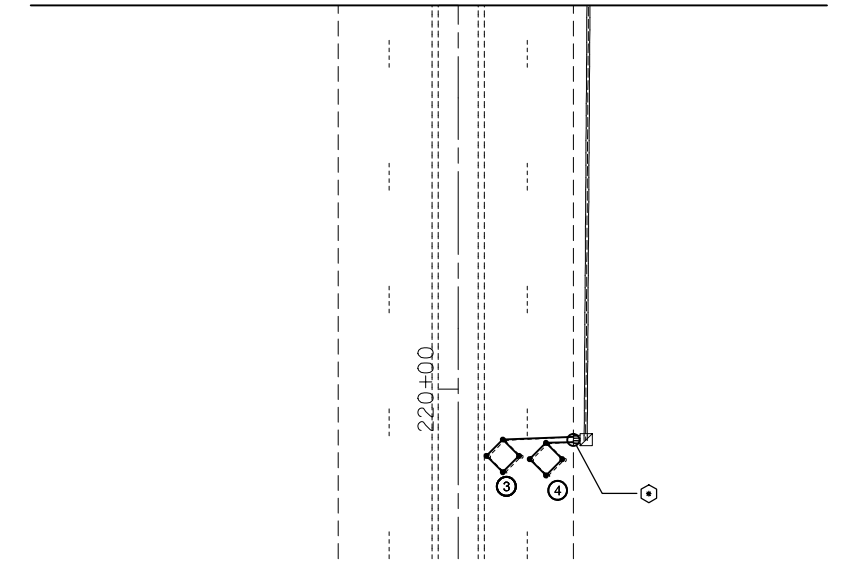


MATCHLINE B
IL 159 & GREENHAVEN DR.

MATCHLINE A



MATCHLINE B



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 159 & GREENHAVEN DR.

SCALE: SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	(130-1, 130-2)RS-2	ST. CLAIR	36	36**
CONTRACT NO. 76G55			ILLINOIS FED. AID PROJECT	