INDEX OF SHEETS 1. TITLE SHEET 2. SUMMARY OF QUANTITIES 3. STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 1 OF 4 4. STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 2 OF 4 5. STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 3 OF 4 6. STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 4 OF 4 7. IL ROUTE 50 (CICERO AVE.) AND 99TH ST. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN 8. IL ROUTE 50 (CICERO AVE.) AND 99TH ST. - TRAFFIC SIGNAL MODERNIZATION PLAN 9. IL ROUTE 50 (CICERO AVE.) AND 99TH ST. - SCHEDULE OF QUANTITIES - CABLE PLAN - PHASE DESIGNATION DIAGRAM - EMERGENCY VEHICLE PREEMPTION SEQUENCE 10. IL ROUTE 50 (CICERO AVE.) AND 103RD ST. - TRAFFIC SIGNAL MODERNIZATION PLAN 11. IL ROUTE 50 (CICERO AVE.) AND 103RD ST. - SCHEDULE OF QUANTITIES - CABLE PLAN - PHASE DESIGNATION DIAGRAM - EMERGENCY VEHICLE PREEMPTION SEQUENCE 12. IL ROUTE 50 (CICERO AVE.) AND 105TH ST. - REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN 13. IL ROUTE 50 (CICERO AVE.) AND 105TH ST. TRAFFIC SIGNAL MODERNIZATION PLAN 14. IL ROUTE 50 (CICERO AVE.) AND 105TH ST. — SCHEDULE OF QUANTITIES - CABLE PLAN - PHASE DESIGNATION DIAGRAM - EMERGENCY VEHICLE PREEMPTION SEQUENCE 15. IL ROUTE 50 (CICERO AVE.) AND 107TH ST. - REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN 16. IL ROUTE 50 (CICERO AVE.) AND 107TH ST. - TRAFFIC SIGNAL MODERNIZATION PLAN 17. IL ROUTE 50 (CICERO AVE.) AND 107TH ST. — SCHEDULE OF QUANTITIES - CABLE PLAN - PHASE DESIGNATION DIAGRAM - EMERGENCY VEHICLE PREEMPTION SEQUENCE 18. IL ROUTE 50 (CICERO AVE.) AND 110TH ST. - REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN 19. IL ROUTE 50 (CICERO AVE.) AND 110TH ST. - TRAFFIC SIGNAL MODERNIZATION PLAN 20. IL ROUTE 50 (CICERO AVE.) AND 110TH ST. — SCHEDULE OF QUANTITIES - CABLE PLAN PHASE DESIGNATION DIAGRAM EMERGENCY VEHICLE PREEMPTION SEQUENCE 21. IL ROUTE 50 (CICERO AVE.) AND 111TH ST. - TRAFFIC SIGNAL MODERNIZATION PLAN 22. IL ROUTE 50 (CICERO AVE.) AND 111TH ST. - SCHEDULE OF QUANTITIES - PHASE DESIGNATION DIAGRAM - EMERGENCY VEHICLE PREEMPTION SEQUENCE 23. IL ROUTE 50 (CICERO AVE.) AND ALSIP BANK - TRAFFIC SIGNAL MODERNIZATION PLAN 24. IL ROUTE 50 (CICERO AVE.) AND ALSIP BANK – SCHEDULE OF QUANTITIES - CABLE PLAN - PHASE DESIGNATION DIAGRAM 25. IL ROUTE 50 (CICERO AVE.) AND 115TH ST. - TRAFFIC SIGNAL MODERNIZATION PLAN 26. IL ROUTE 50 (CICERO AVE.) AND 115TH ST. - SCHEDULE OF QUANTITIES - CABLE PLAN - PHASE DESIGNATION DIAGRAM 27. MAST ARM MOUNTED STREET NAME SIGNS 28. DISTRICT ONE TYPICAL PAVEMENT MARKINGS 29. ARTERIAL ROAD INFORMATIONAL SIGN

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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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

PROJECT ENGINEER **PROJECT MANAGER** CONTRACT NO. 60G11

STATE OF ILLINOIS

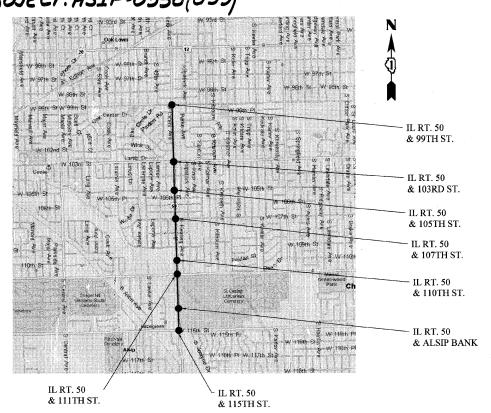
DEPARTMENT OF TRANSPORTATION

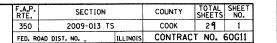
DIVISION OF HIGHWAYS

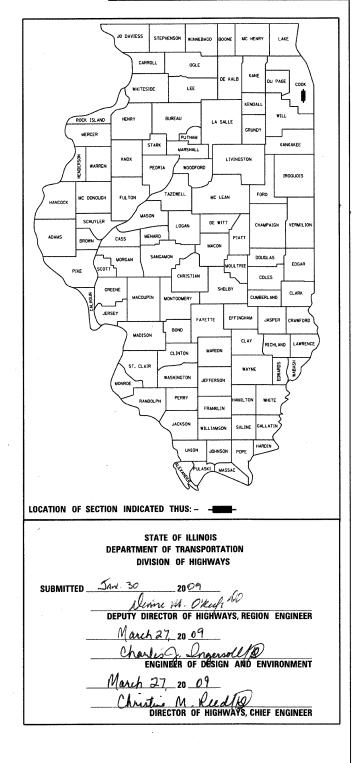
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

DISTRICT 1 HIGHWAY SAFETY IMPROVEMENT PROJECT TRAFFIC SIGNAL MODERNIZATION FAP 350 /IL. ROUTE 50 (CICERO AVE.) FROM 99TH STREET TO 115TH STREET **OAK LAWN & ALSIP, ILLINOIS**

F.A.P. ROUTE 350 /IL 50 (CICERO AVE.) **SECTION 2009-013 TS** C-91-326-09 **COOK COUNTY** PROJECT: HSIP-0350(033)









PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STANDARDS

701006-03 720001 -01 701011-02 805001-01 701101-02 857001-0/ 701106*-0*2 701301-03 873001-02 701501-05 876001-0/

701001-02 701901-0/ 862001-0/ 701606-06 877001-04 701701-00 878001-07 701801-04 880006-01

SUMMARY OF QUANTITIES

	LOCATION OF WORK		URBAN				IL RT. 50 (CIC	ERO AVE.) @]
		CONSTRU	JCTION CODE	Y031 1F	Y031 1F	Y031 1F	Y031 1F	Y031 1F	Y031 1F	Y031 1F	Y031 1F	
	SUMMARY OF QUANTITIES		GRAND	99TH ST	103RD ST	105TH ST	107TH ST	110TH ST	111TH ST	ALSIP BANK	115TH ST]
ODE NO.	ITEM	UNIT	TOTAL	\mathbb{O}	2	\mathcal{O}	1 mg 🕖	3	4	. ව	€	
7000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
7100100	MOBILIZATION	L SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	1
0102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	1
0102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM,	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	1
0102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	1
0102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.125	0.125	0.125	0.125	0.125	.0.125	0.125	0.125	1
2000100	SIGN PANEL - TYPE 1	SQ FT	51	12		13.5	13.5	12				1
2000200	SIGN PANEL - TYPE 2	SQ FT	110	27.5		27.5	27.5	27.5				1.
2400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	110	27.5		27.5	27.5	27.5			***************************************	
8000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4010	450	1000	540	480	640	900			
8000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1250	130	230	140	130	140	230	70	180	
1000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	65	25	1 230	140	17	23				-
1018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	46	2.3		38		8				1
1900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	65	25		36	17	23				1
5000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8	1	1	1	1	1	1	1	1	1) 901FEO.
	FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	4	1	1	1	1	1		1		51.STATE
6400100		EACH	4	1		1	1. 1.	1			`	5%. OAKLAN
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1167.5	326		394	283.5	164				1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C			452		282.5	425	166				@ 90%. FED.
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1325.5		403				481	134		7.51. STATE
	· · · · · · · · · · · · · · · · · · ·	FOOT	5435.5	1016	493	1036.5	1098.5	1176.5	481	154		2.51.0AK LA
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	173	245		34.5	70.5	173			······································	4
7301805	ELECTRIC CABLE IN CONDUIT, NO. 6 2C (SERVICE.)	FOOT	387.5	34.5		24.5	79.5	249				3 90%. FEO.
7900200	DRILL EXISTING HANDHOLE	EACH	10	3		3	2	. 2				10%. OAK LA
7502480		EACH	3	,						3		4
7502500		EACH	1							1		- 2
7600200	PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2	1	ļ	1						901. FED.
7700140		EACH	1			1						101.3/7/16
7700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	3	2		1						-
7700160		EACH	1		 			1		`		6) 90% FED.
7700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2				2					901. FED. 101. ALSIA
7700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1					11				1 101 110 11
7800400		FOOT	77	20		20	27	10				
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11					11				
	SIGNAL HEAD, L E D , 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12	2		2	2	2		4		4
	SIGNAL HEAD, L E D , 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	62	10	8	10	10	10	7	3	4	4
	SIGNAL HEAD, L E D , 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1							1		
	SIGNAL HEAD, L E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	22	2	4	2	2	2	5	1	4	
8030110	SIGNAL HEAD, L E D , 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	22	2	4	2	2	2	5	1	4	_
8500100	INDUCTIVE LOOP DETECTOR	EACH	26	6		6	6	8				_
8102717	PEDESTRIAN SIGNAL HEAD, L E D , 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	50	8	8	8	8	8	10			_
8200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	86	12	12	12	12	12	14	4	8	_
8800100	PEDESTRIAN PUSH-BUTTON	EACH	45	8	8	8	8	5	8			_]
9502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8 .	1	1	1	1	1	1	1	1	_
9502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	2		2	. 2	1				
0322256	TEMPORARY INFORMATION SIGNING	SQ FT	120	40					40		40	_
8050015	SERVICE INSTALLATION-POLE MOUNT	EACH	4	1	T	1	1	1				* Specialty 1
8620020	UNINTERRUPTABLE POWER SUPPLY	EACH	7	1	1	1	1	1	1		1	7 ′
8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	387.5	34.5		24.5	79.5	249				1
8730250		FOOT	298.5	161			137.5					
8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6-1C	F00T	-387.5-	-34.5		-24.5	-79.5 -	-249-				· .
8730250		FOOT	298.5	-161 -	 	 	-137.5 -	l	 	<u> </u>		7

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	DRAWN	-	DW	REVISED	-	· · · ·
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 PLOT DATE = \$DATE\$	DATE	-		REVISED	-	No see see

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

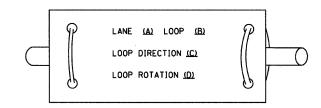
SCALE: NONE

F									F.A.I RTE	P.	SE		
SUMMARY OF QUANTITIES										350)	2009	
 SHEET	NO.	2	OF	29	SHEETS	STA.		TO	STA.		FED.	ROAD	DIST. NO.

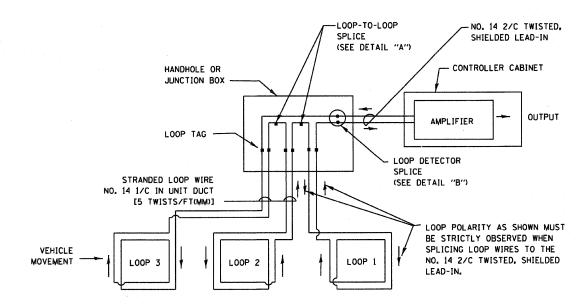
LOOP DETECTOR NOTES

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP
- 2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

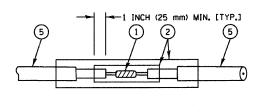


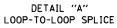
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP *1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

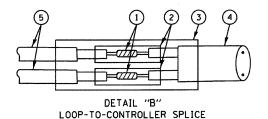


DETECTOR LOOP WIRING SCHEMATIC

- " LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.







LOOP DETECTOR SPLICE

- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

STANDARD TRAFFIC SIGNAL

DESIGN DETAILS - SHEET 1 OF 4

SHEET NO. 3 OF 29 SHEETS STA.

- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

NOTE:	
THE COMMONWEALTH	EDISON MARKETING
REPRESENTATIVE FOR	THIS PROJECT IS:
NAME:	AL AHERIES
TELEPHONE:	(630) 691-4379

ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS SCALE: VERT. NONE

FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

DATE 1-01-02

350

TO STA.

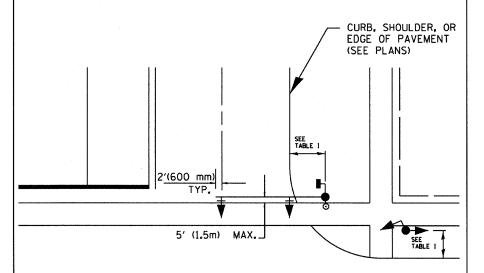
TOTAL SHEE COUNTY 2009-013 TS СООК 29 3 CONTRACT NO. 60G11

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

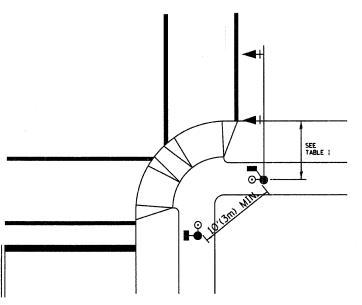
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TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCO (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION. EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

- A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
- B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
- C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
- E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- 2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK
- 3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3,0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

TO STA.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

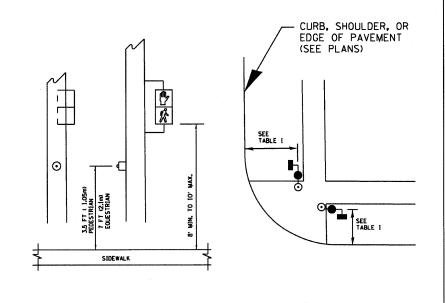


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1,8m)	SHOULDER WIDTH + 2FT(O.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(O,6m), MINIMUM 10FT(3,0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(O.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

SCALE: NONE

ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SCALE: VERT. NONE HORIZ. NONE

USER NAME = \$USER\$ DESIGNED - JS DRAWN - DW CHECKED PLOT SCALE = \$SCALE\$ JD

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PLOT DATE = \$DATE\$

FILE NAME

\$FILEL\$

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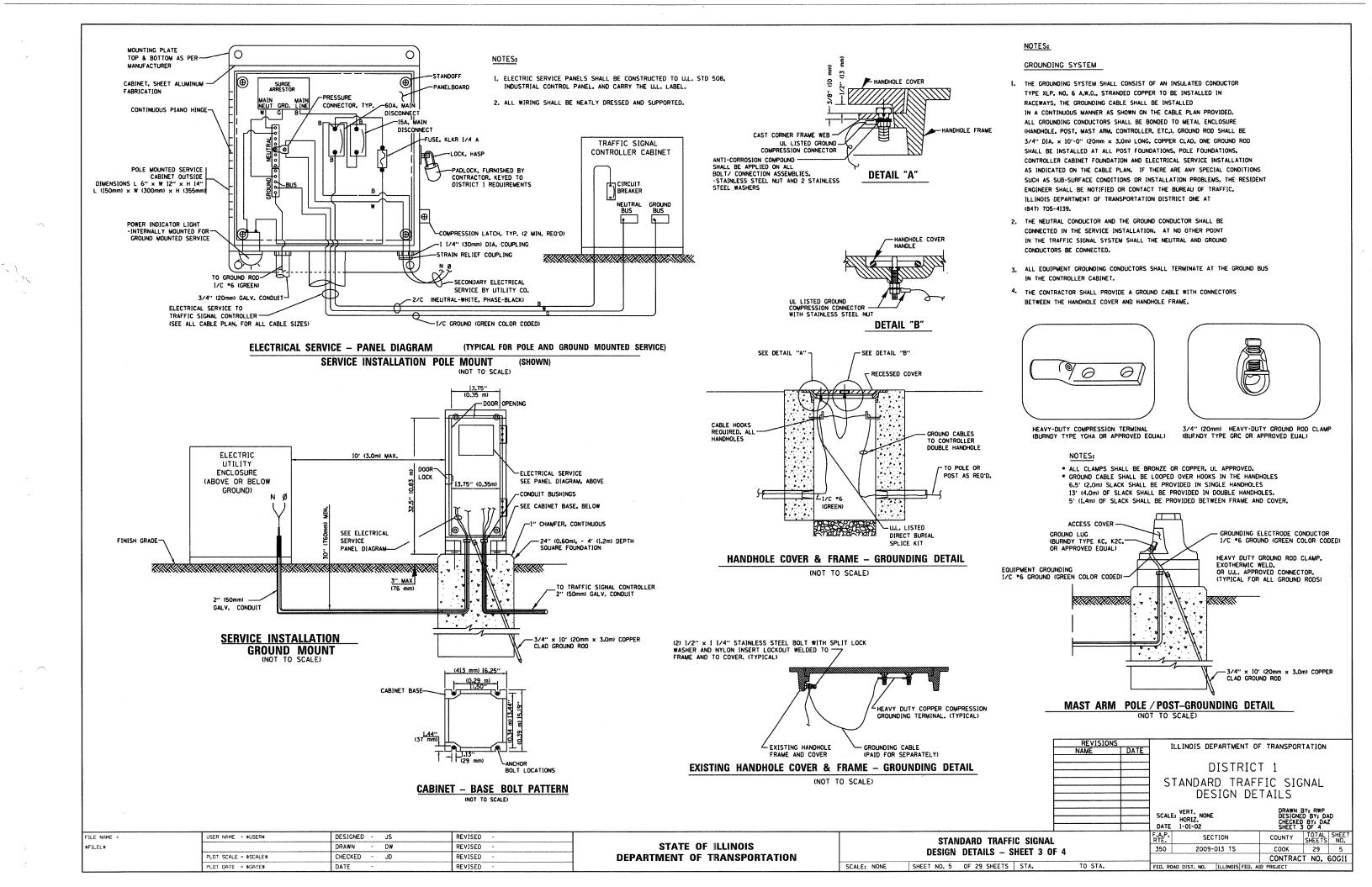
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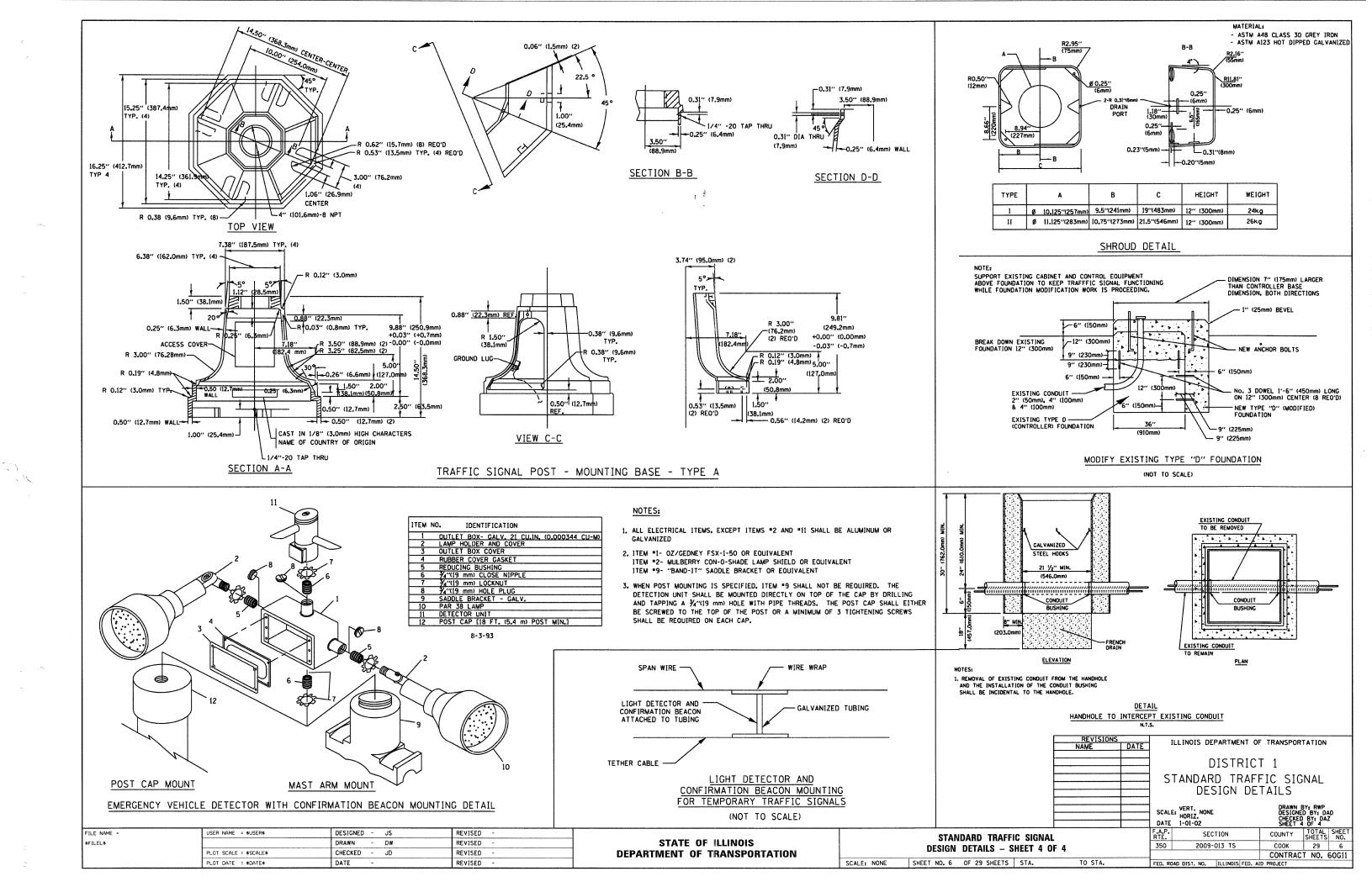
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

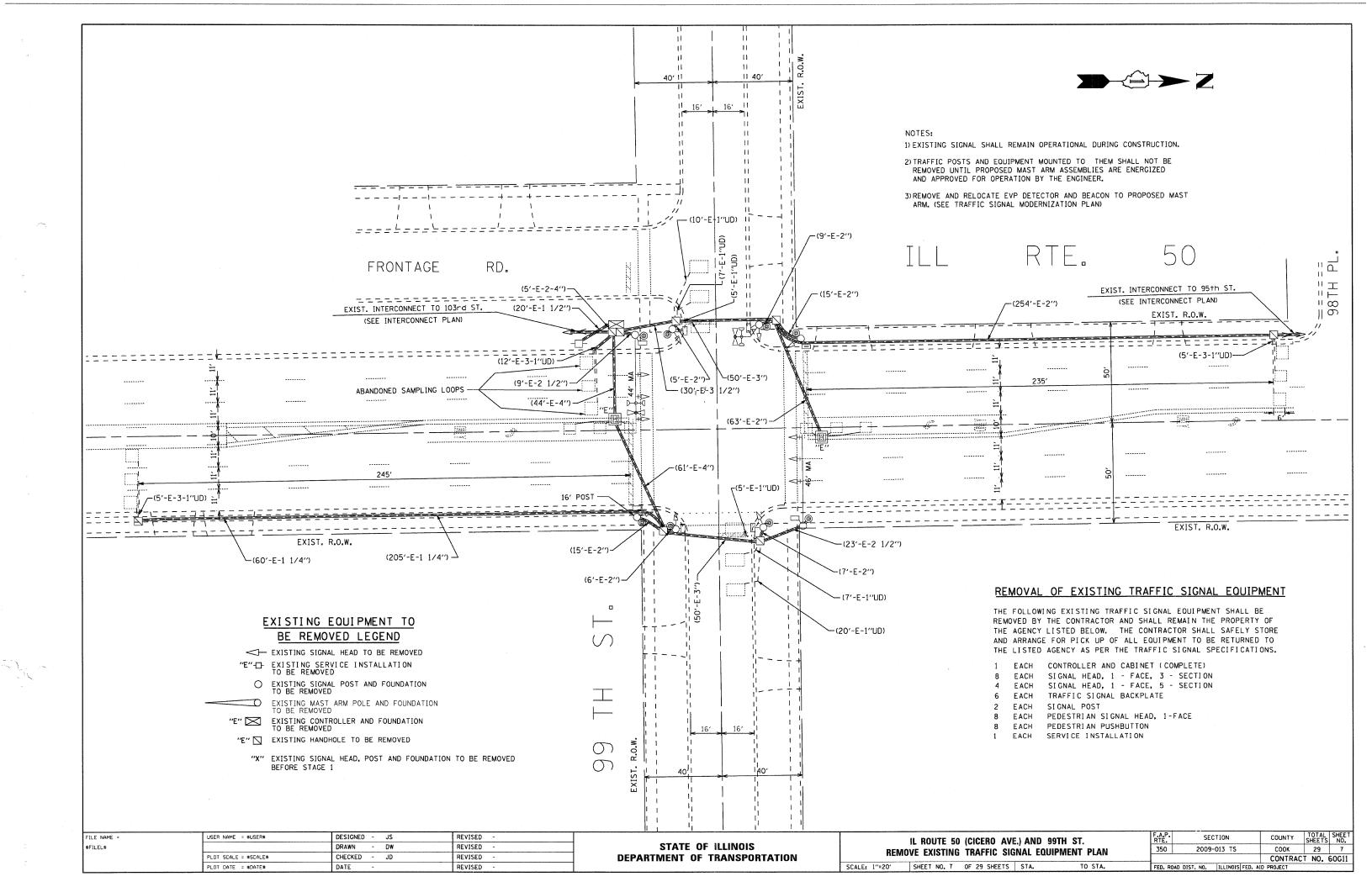
STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 2 OF 4

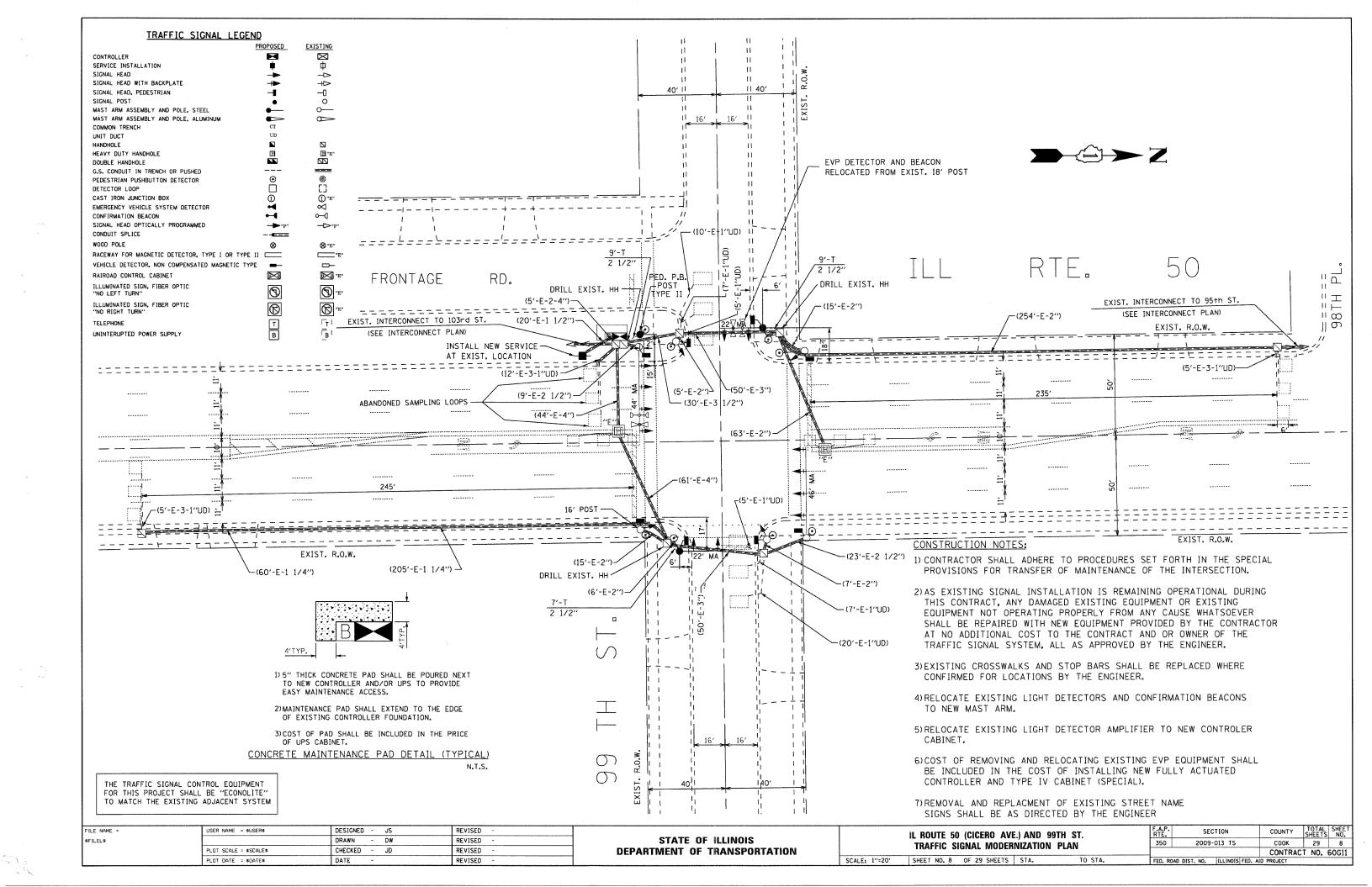
SHEET NO. 4 OF 29 SHEETS STA.

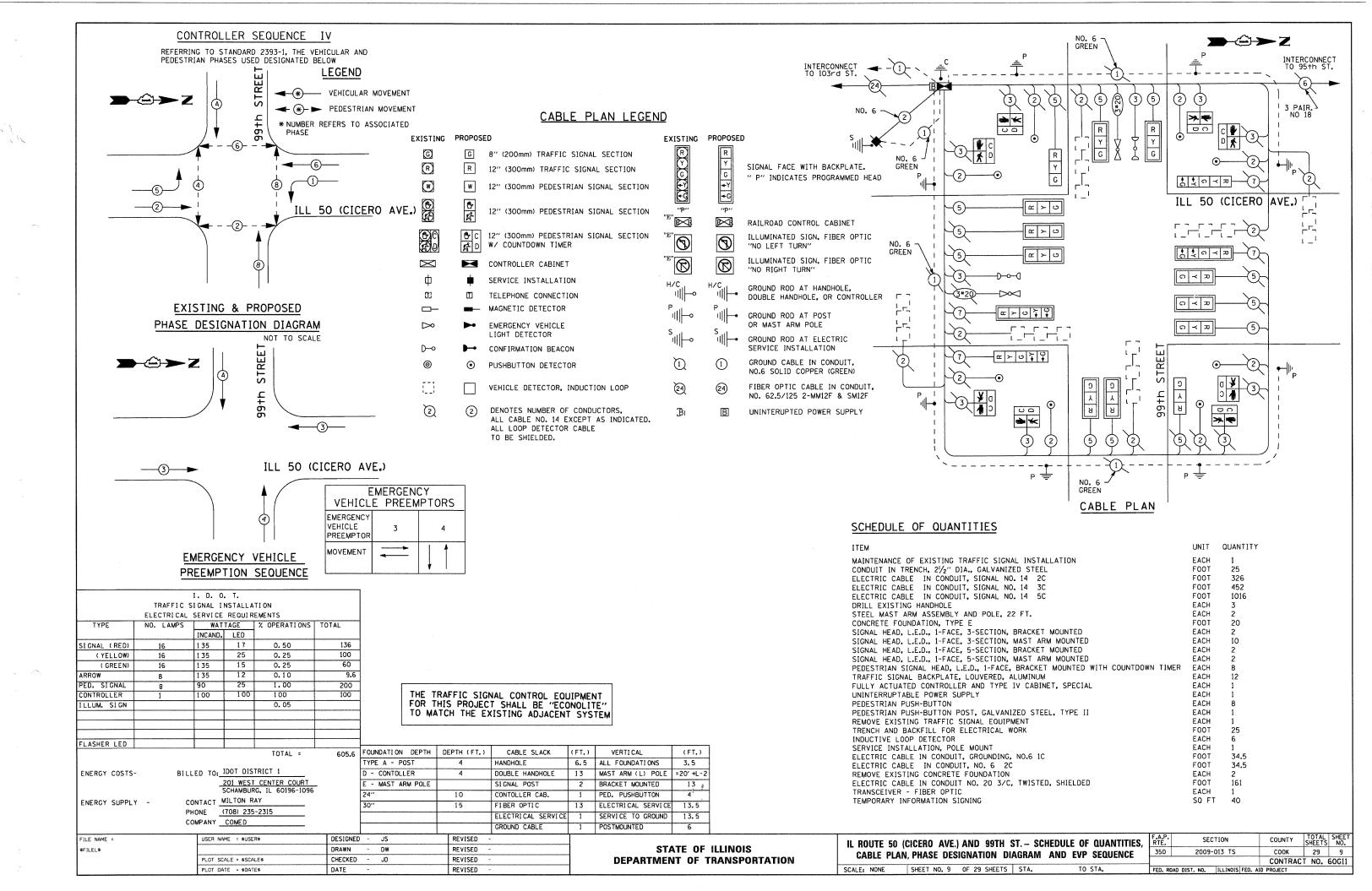
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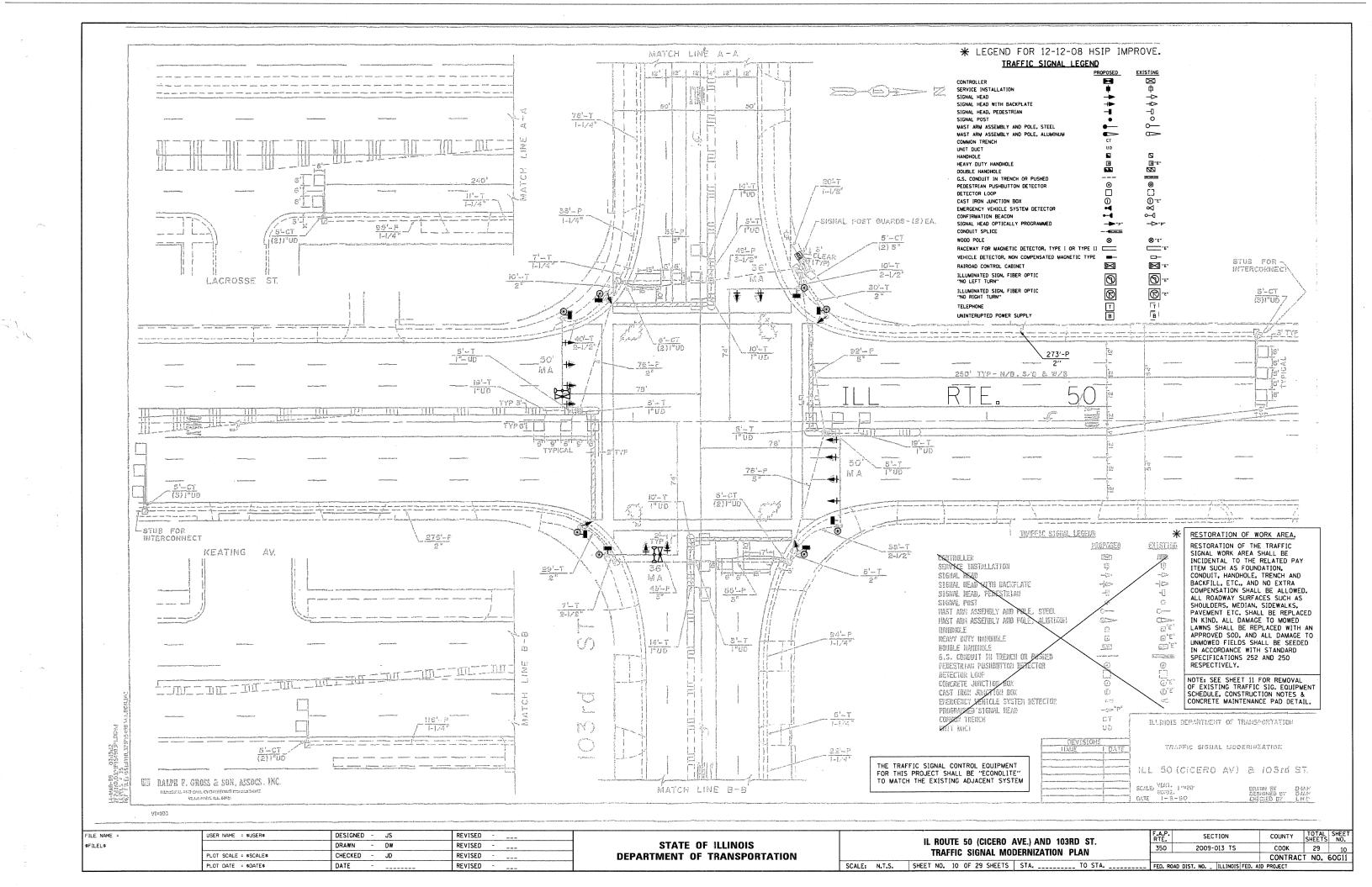


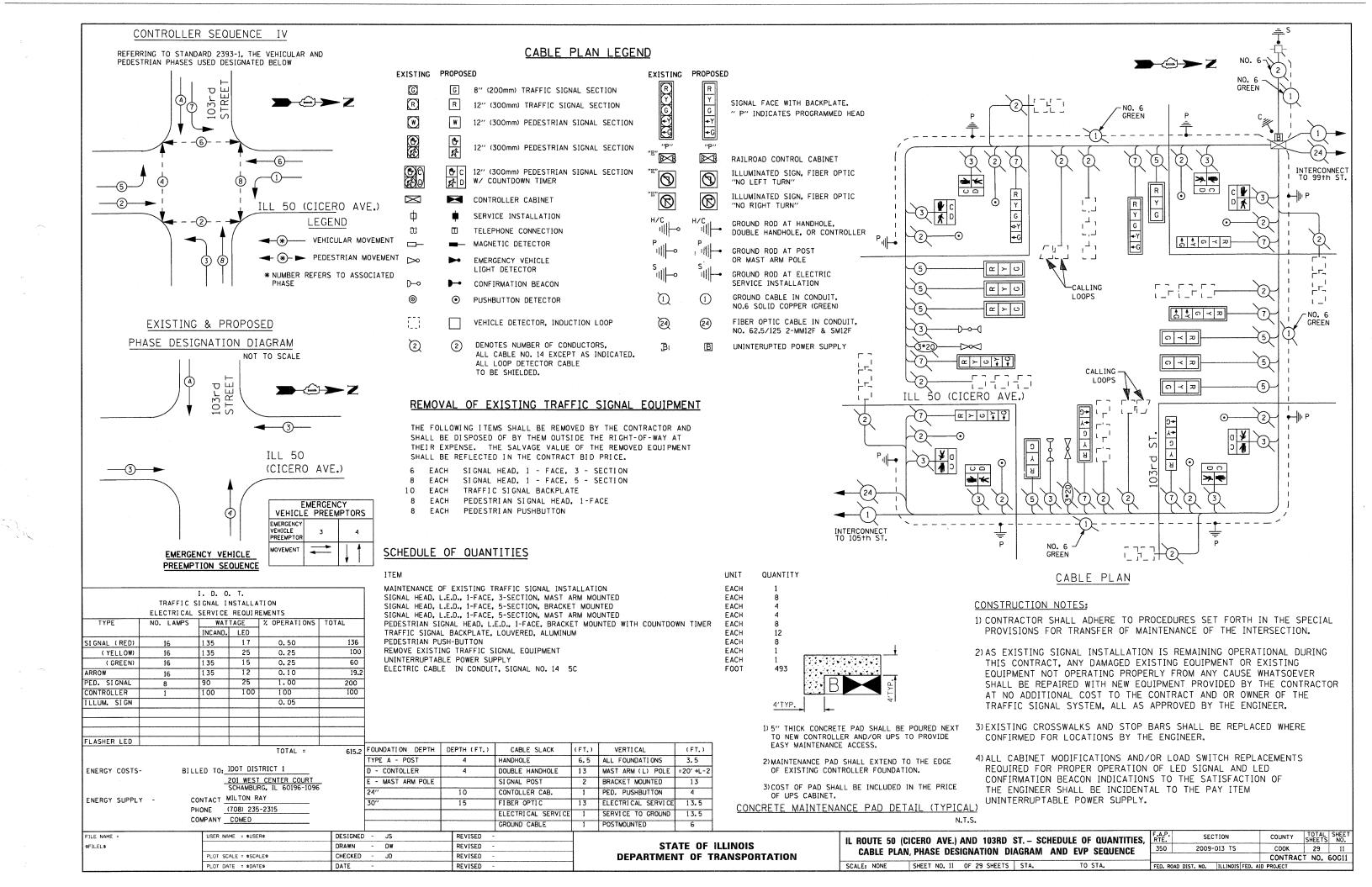


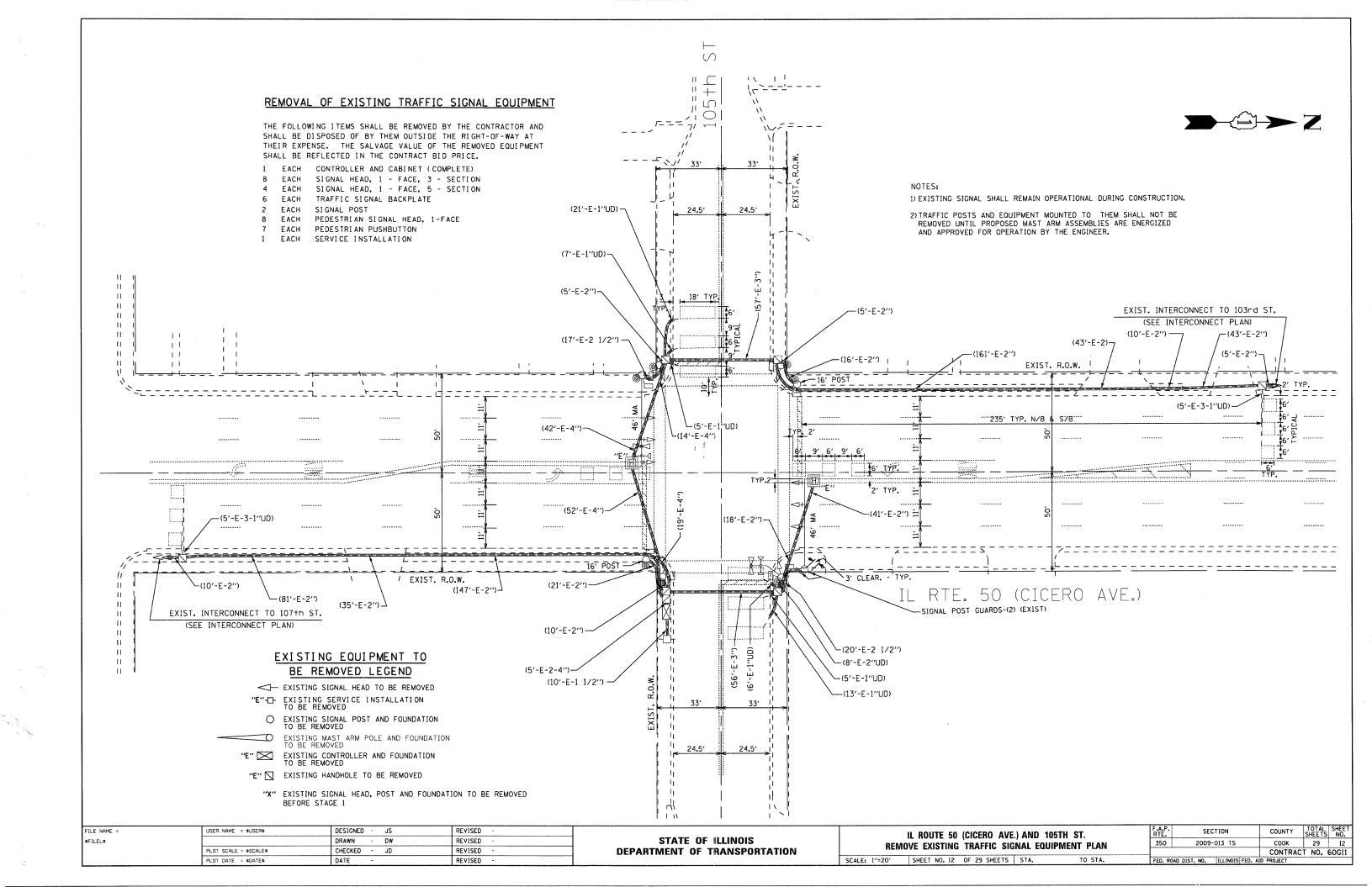


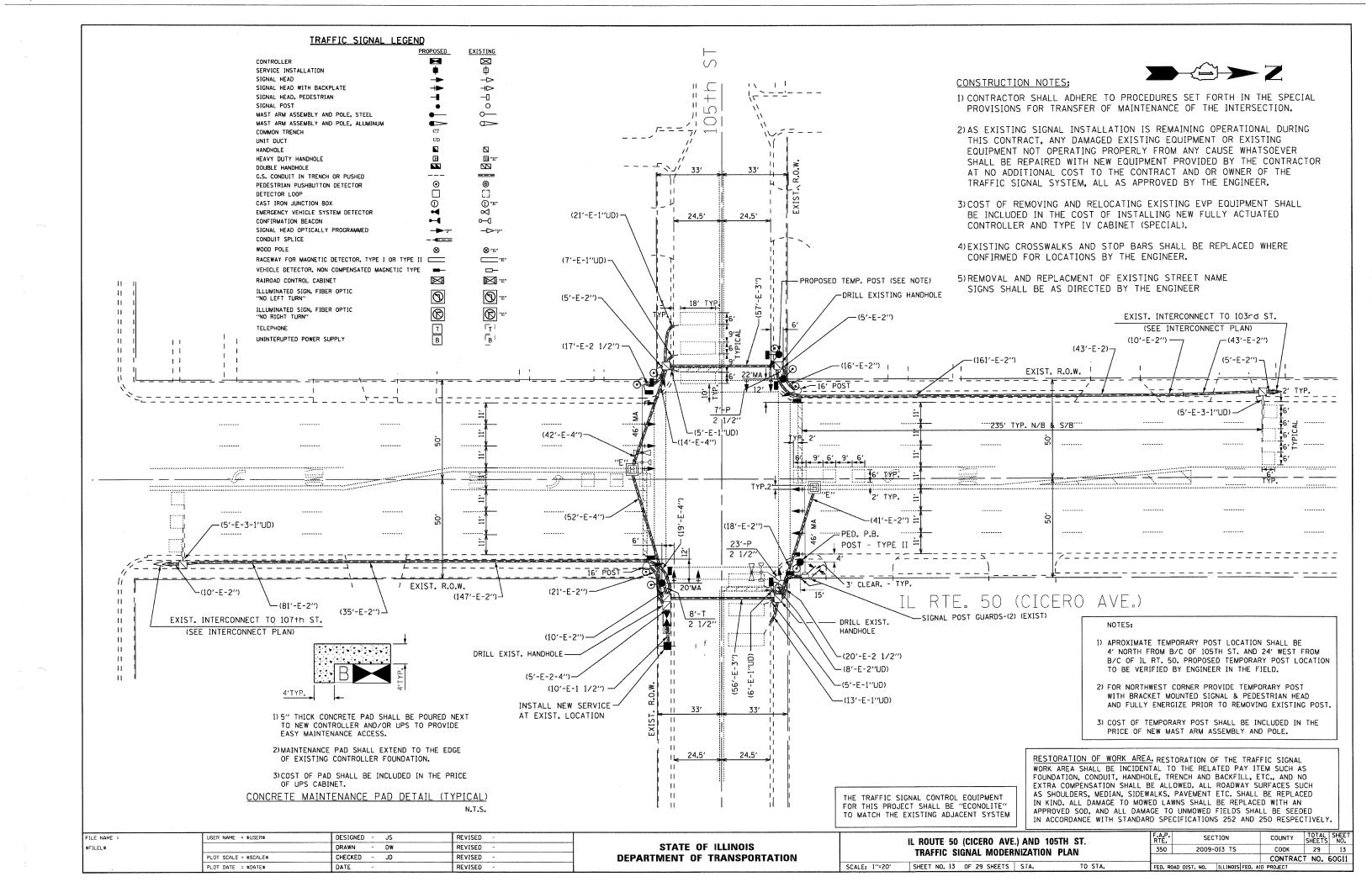


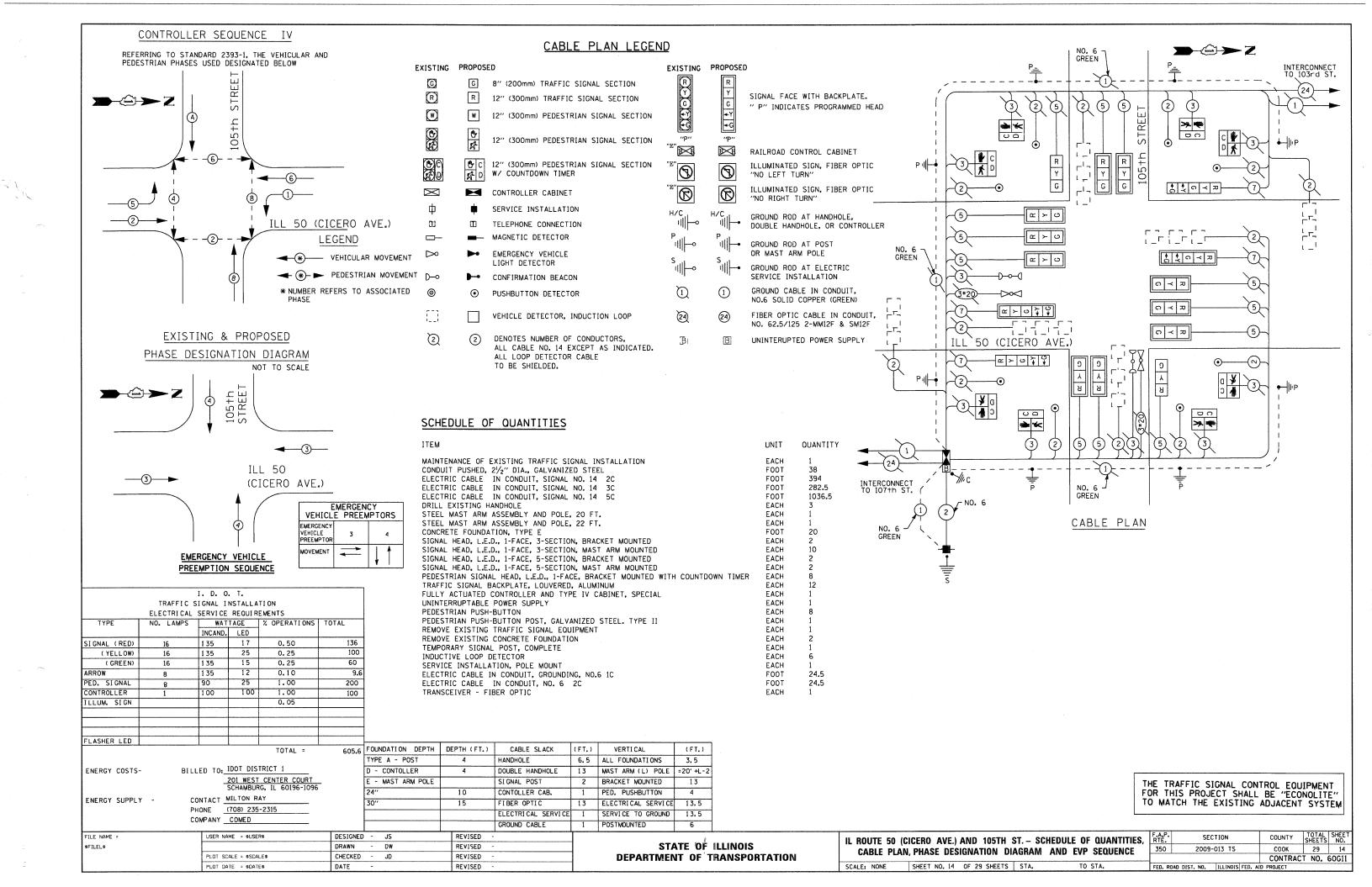


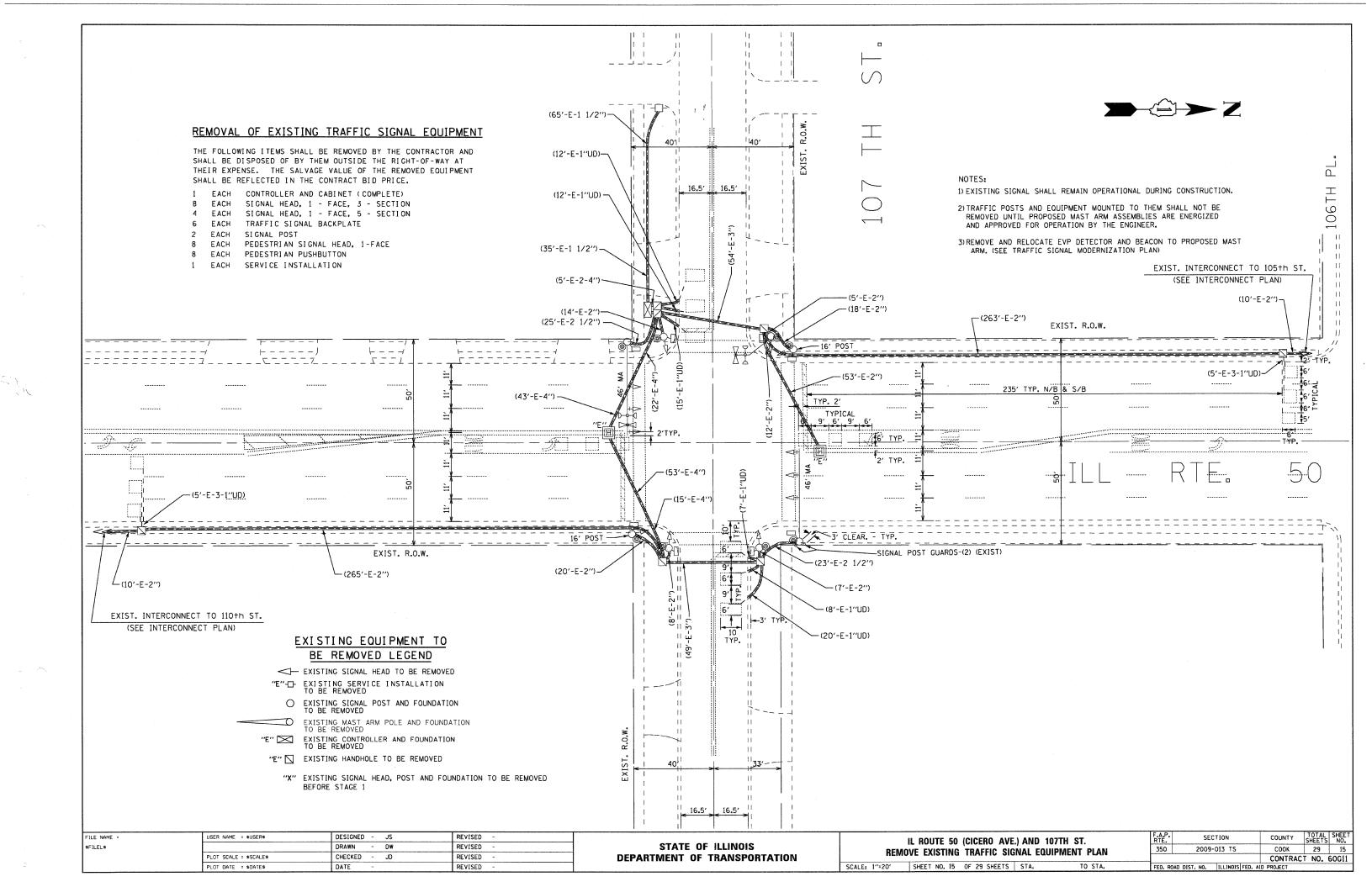


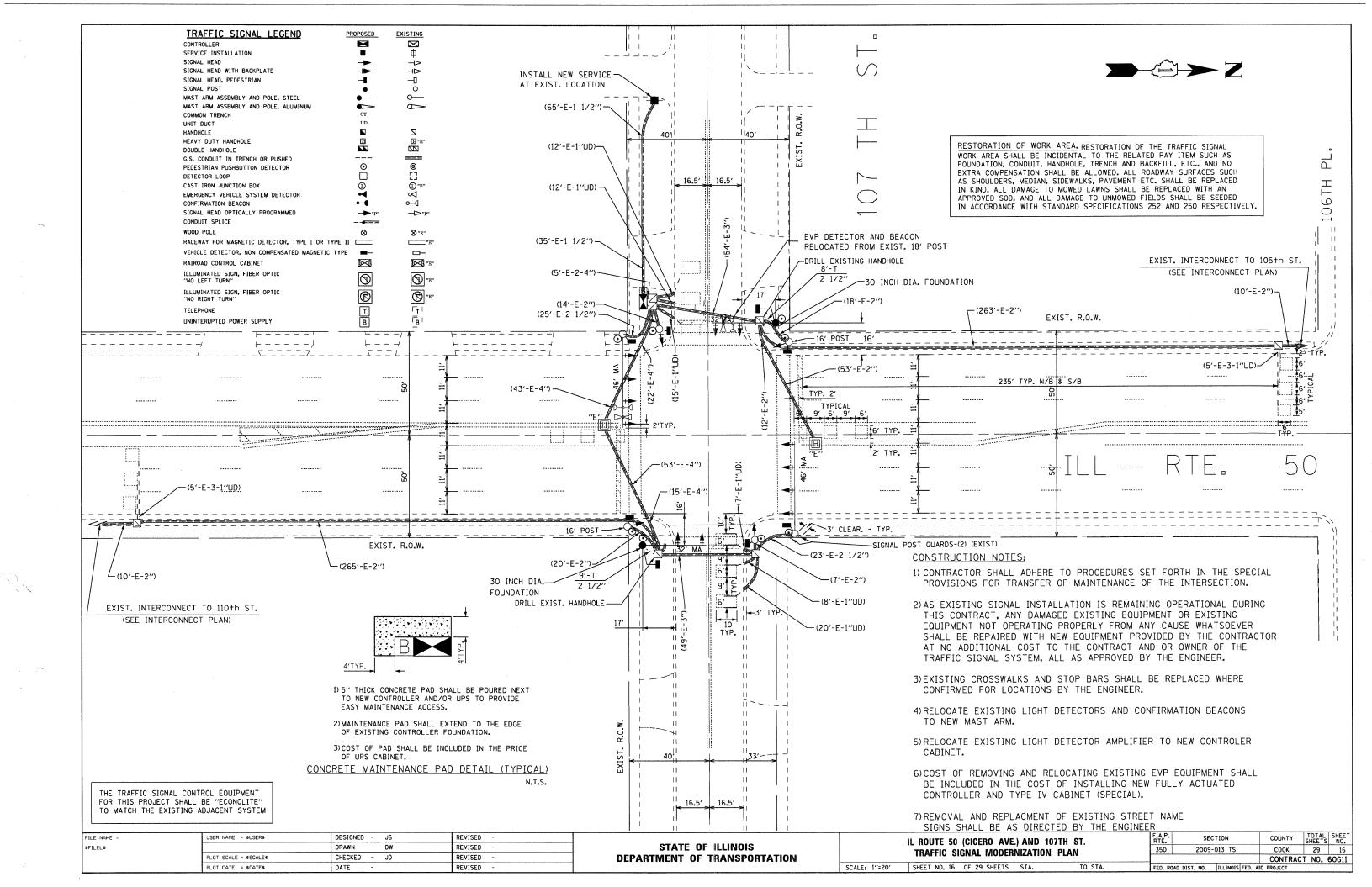


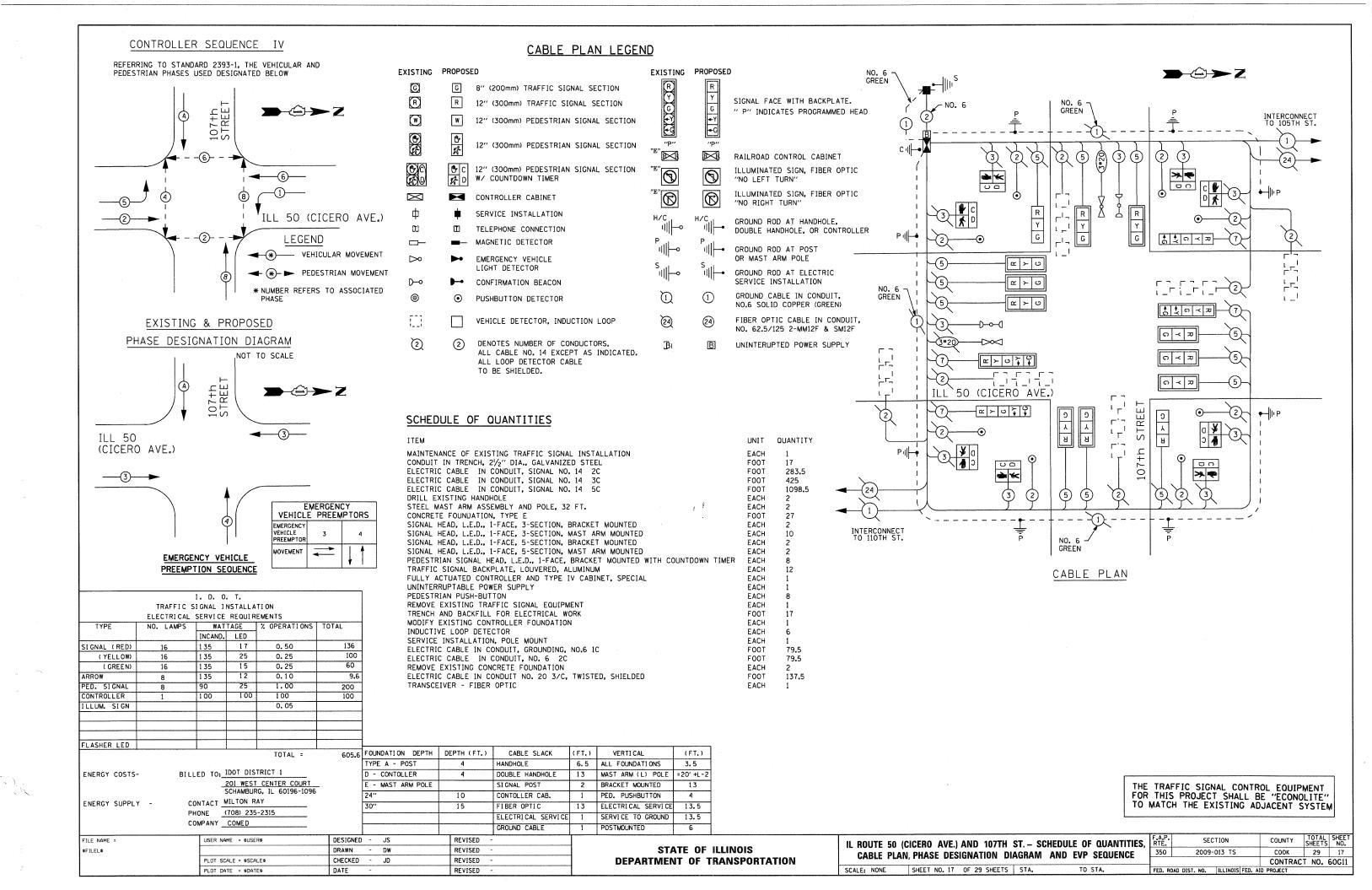




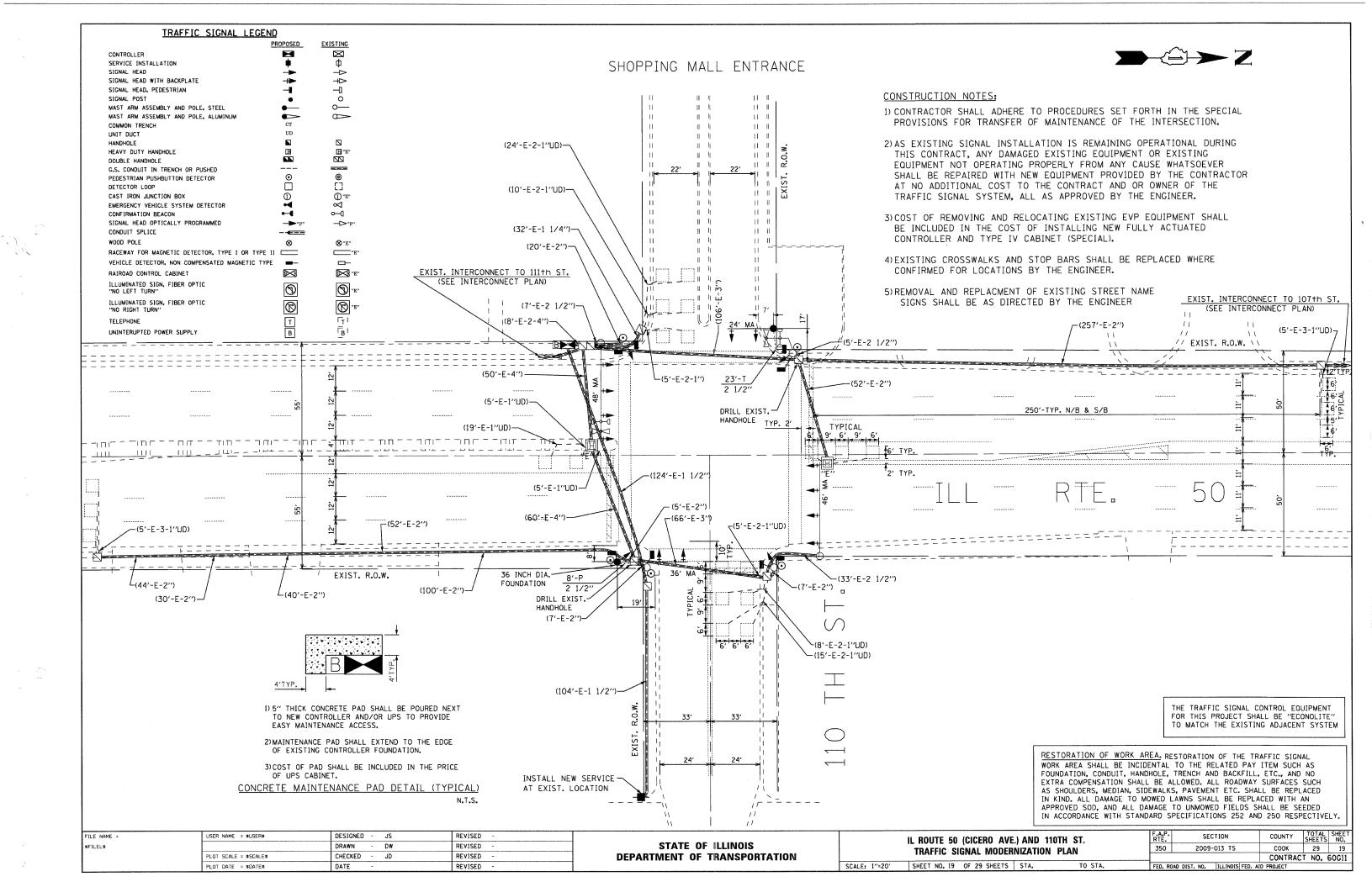


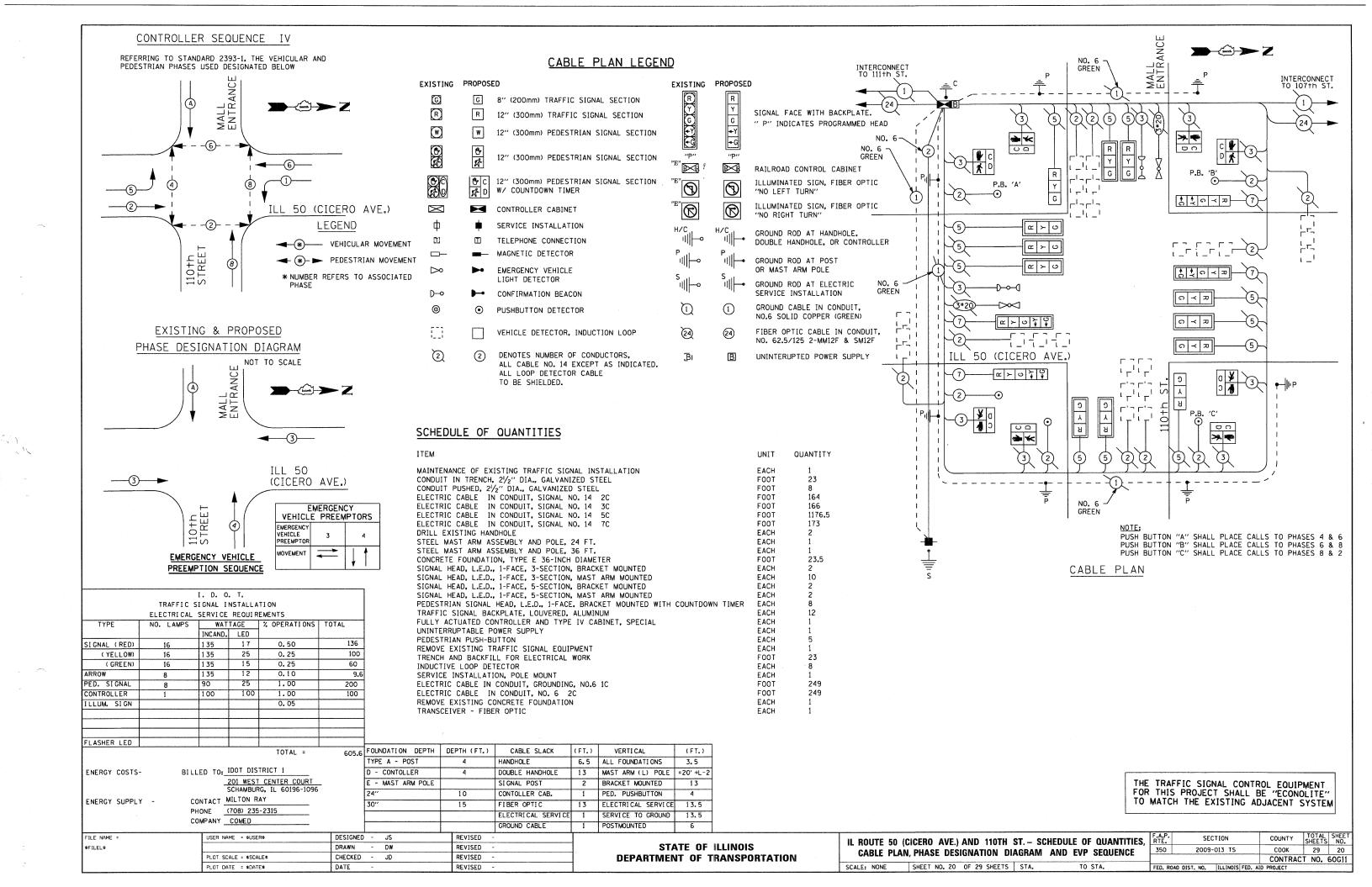


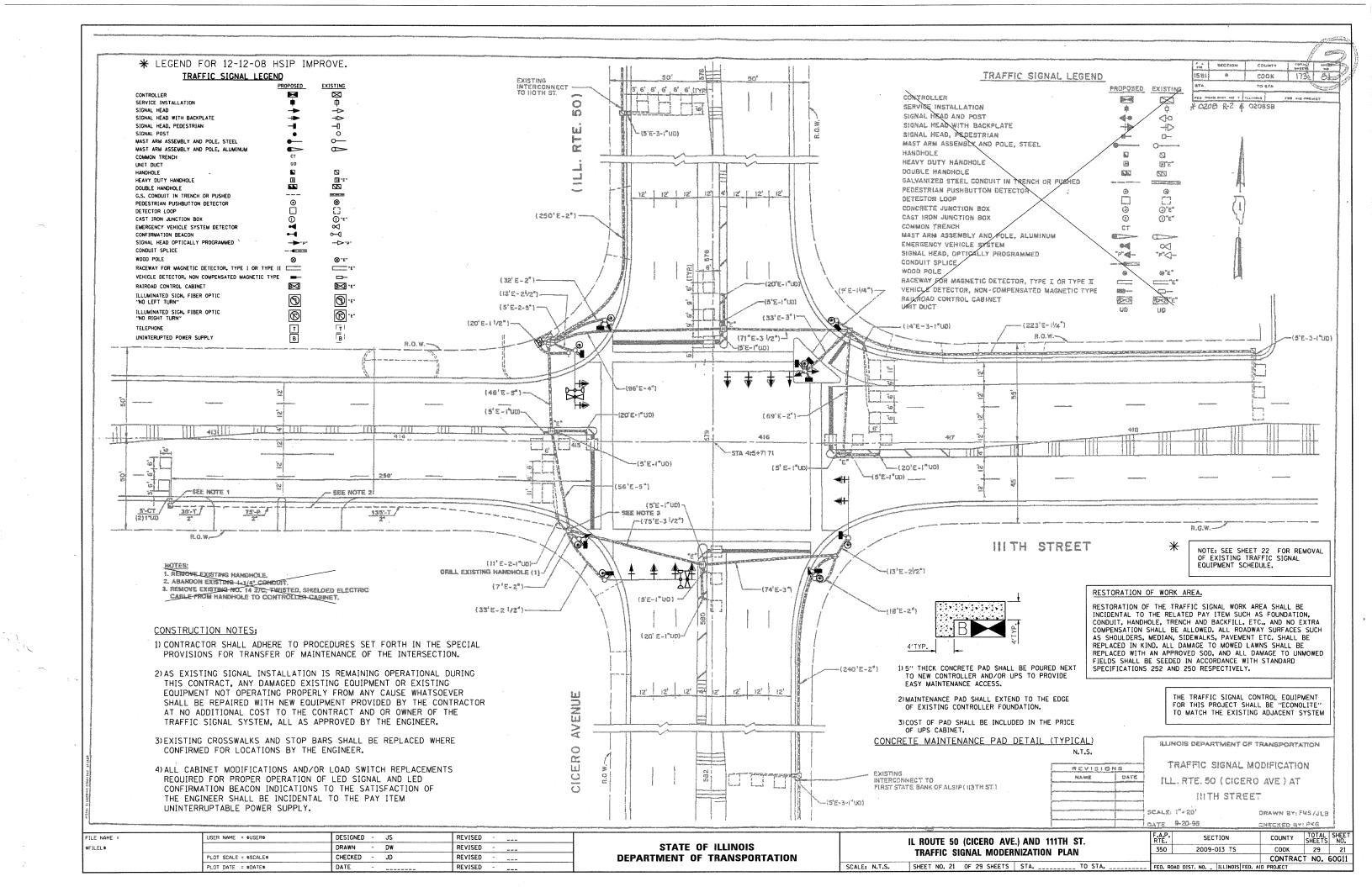


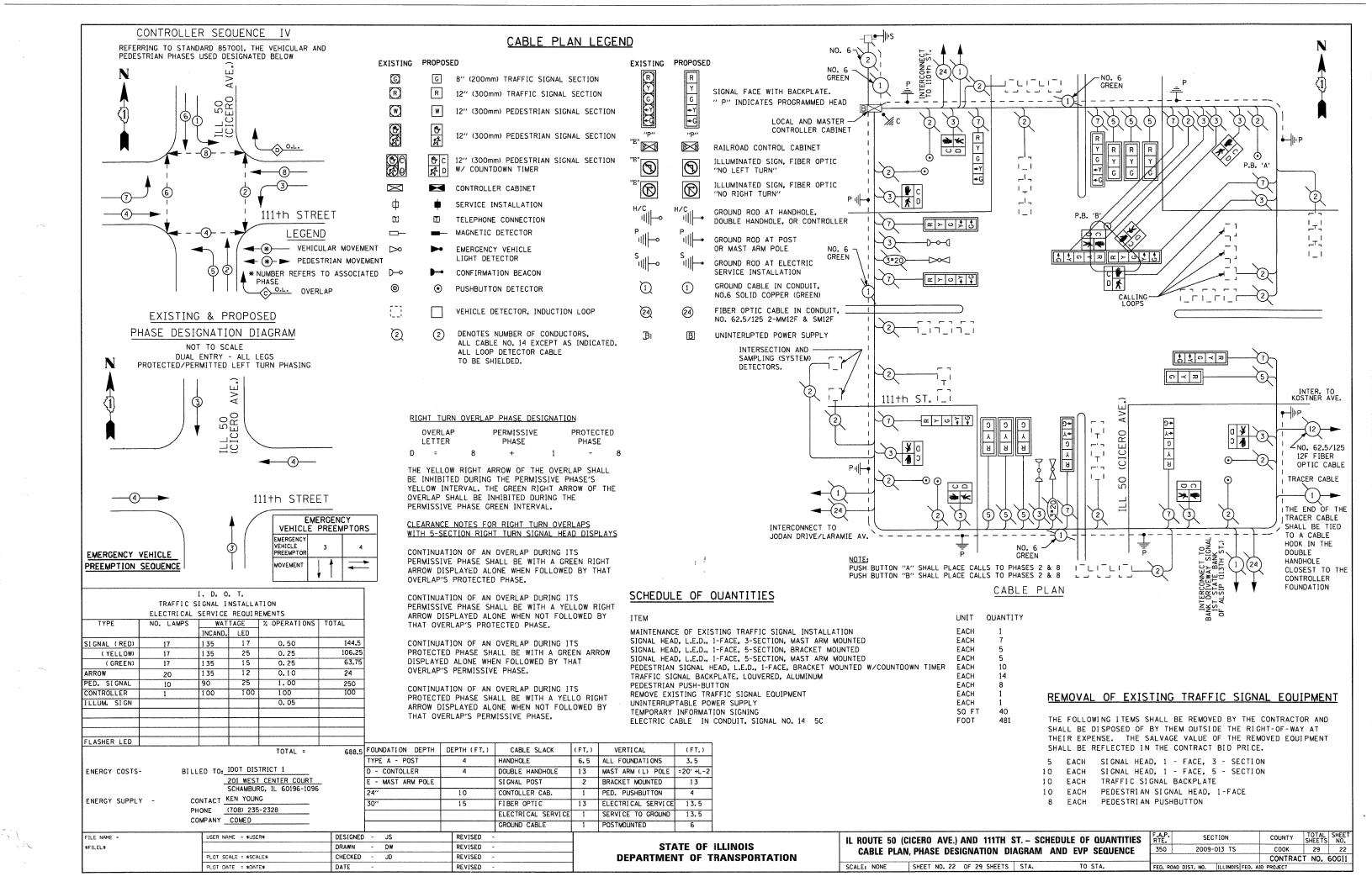


SHOPPING MALL ENTRANCE 11 1 REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT (24'-E-2-1"UD)-THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT NOTES: SHALL BE REFLECTED IN THE CONTRACT BID PRICE. 1) EXISTING SIGNAL SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. CONTROLLER AND CABINET (COMPLETE) (10'-E-2-1"UD)-2) TRAFFIC POSTS AND EQUIPMENT MOUNTED TO THEM SHALL NOT BE REMOVED UNTIL PROPOSED MAST ARM ASSEMBLIES ARE ENERGIZED EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION SIGNAL HEAD, 1 - FACE, 5 - SECTION AND APPROVED FOR OPERATION BY THE ENGINEER. EACH TRAFFIC SIGNAL BACKPLATE EACH SIGNAL POST (32'-E-1 1/4")-PEDESTRIAN SIGNAL HEAD, 1-FACE EACH (20'-E-2")-EACH PEDESTRIAN PUSHBUTTON EACH SERVICE INSTALLATION EXIST. INTERCONNECT TO 111+h ST.
(SEE INTERCONNECT PLAN) EXIST. INTERCONNECT TO 107th ST. (SEE INTERCONNECT PLAN) (7'-E-2 1/2") (8'-E-2-4")--(257'-E-2") 11 (5'-E-3-1"UD)-11 (5'-E-2 1/2'') // EXIST. R.O.W. \\ (50'-E-4")--(5'-E-2-1") (5'-E-1"UD)-250'-TYP. N/B & S/B TYP. 2 TYPICAL 9' 6' 9' (19'-E-1"UD)--ILIC - - UIL - - IIU - - JUI- --(124'-E-1 1/2" (5'-E-1"UD) - (5'-E-2") (60'=E-4") -(66'-E-3'') -(52'-E-2'') C(5'-E-2-1"UD) -(5'-E-3-1"UD) EXIST. R.O.W. -(33'-E-2 1/2'') L(44'-E-2'') -(7'-E-2'') _□ (100'-E-2")-(40'-E-2") (30'-E-2")-(7'-E-2")-EXISTING EQUIPMENT TO 6, 6, 6, -(8'-E-2-1"UD) BE REMOVED LEGEND `_(15'-E-2-1''UD) EXISTING SIGNAL HEAD TO BE REMOVED "E"--- EXISTING SERVICE INSTALLATION TO BE REMOVED (104'-E-1 1/2")-O EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED 33' 1 EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED "E" \(\subseteq \text{EXISTING HANDHOLE TO BE REMOVED} "X" EXISTING SIGNAL HEAD, POST AND FOUNDATION TO BE REMOVED BEFORE STAGE 1 FILE NAME = USER NAME = \$USER\$ DESIGNED - JS REVISED SECTION COUNTY TOTAL SHEE NO. IL ROUTE 50 (CICERO AVE.) AND 110TH ST. STATE OF ILLINOIS \$FILEL\$ DRAWN DW REVISED COOK 29 18 350 2009-013 TS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN PLOT SCALE = \$SCALE\$ CHECKED - JD REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60G11 SHEET NO. 18 OF 29 SHEETS STA. SCALE: 1"=20" TO STA. PLOT DATE = \$DATE\$ DATE REVISED









GENERAL NOTES

- I- ALL DEFECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS REQUIRED AND SHALL BE INSTALLED
 IN STRICT CONFORMITY WITH THE LOOP DEFECTOR AMPLIFIER MANUFACTURERS RECOMMENDATIONS.
 THE DEFECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAW OUT BEYOND THE SPLICE AS
 SPECIFIED IN SECTION 1418.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS
- 2. LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS RECOMMENDATIONS. THE 27C SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP (EAD-IN 5.1ALL BE MEASURED FROM THE SPLICE TO THE CONTROLLER AS SPECIFIED IN SECTION THE? OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL. ITEMS. FLAT CABLE WILL NOT BE PERMITTED.
- 3- ALL ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET UNLESS OTHERWISE SPECIFIED.
- 4- THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAYING AT HANDHOLES, UACKING PITS, INSPECTION OPENINGS AND CONCRETE UNICTION BOXES SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAYING WILL BE PAID FOR SEPARATELY.
- 5- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VEHIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM, FOR LOCATION OF UTILITIES CALL JUL J.E. TOLL FREE NUMBER 800-892-0123.
- 6 ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOURTAL AND IG) FEET RESPECTIVELY FROM THE BACK OF CURB, UNLESS MOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS HEM MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (IO) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER SIGNAL POSTS SHOULD BE PLACED A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.
- 7- TIME BASE COORDINATING DEVICES SHALL BE INSTALLED IN THE EXISTING CONTROLLER CABINETS AT THE INTERSECTIONS OF CICERO AVE, WITH 111TH ST. AND CICERO AVE WITH 118TH ST. AS WELL AS THE PROPOSED CONTROLLER CABINETS AND CONTROLLER CABINETS AND CONTROLLER CABINETS AND CONTROLLERS WHICH MAY BE REQUIRED. TO PROVIDE CEPSATING COMPANIBILTY WITH THE EXISTING CONTROLLERS WILL BE CONSIDERED INCIDENTAL TO FURNISHING AND INSTALLING THE TIME BASE COORDINATING DEVICES AND SEPARATE PRYMENT WILL NOT BE MADE FOR THIS WORK. THE CONTRACTOR SHALL NOTHY THE AREA TRAFFIC SIGNAL ENGINEER IN D. O.T. IS BE 4-418 AND THE STATE MAINTENANCE CONTRACTOR GRADE FOR THE STATE MAINTENANCE CONTRACTOR GRADE SOLD THREE IS IN CHAINS DAYS BEFORE THE TIME BASE COOPCINATING DEVICES ARE INSTALLED AT THE ENSTRING CONTROLLER CIBINETS SO THAT THE MAINTENANCE CONTRACTOR WILL BE IN ATTENDANCE AT THE EXISTING CONTROLLER CIBINETS WHEN WORK IS DONE IN THEIR CABINETS.
- 7- FOR LOCATION OF ALL LOOPS AT THE INTERSECTION CONTACT THE LO.O.T. AREA TRAFFIC SIGNAL ENGINEER AT 884-4139 WHO WILL MARK THE PAVEMENT FOR THE CUTTING OF THE LOOPS.

NOTE: SEE SHEET 24 FOR REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT SCHEDULE & CONSTRUCTION NOTES.

RESTORATION OF WORK AREA.

JSER NAME = \$USER\$

PLOT DATE = \$DATE\$

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED, ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAYEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

DESIGNED -

DRAWN

DATE

CHECKED

JS

D₩

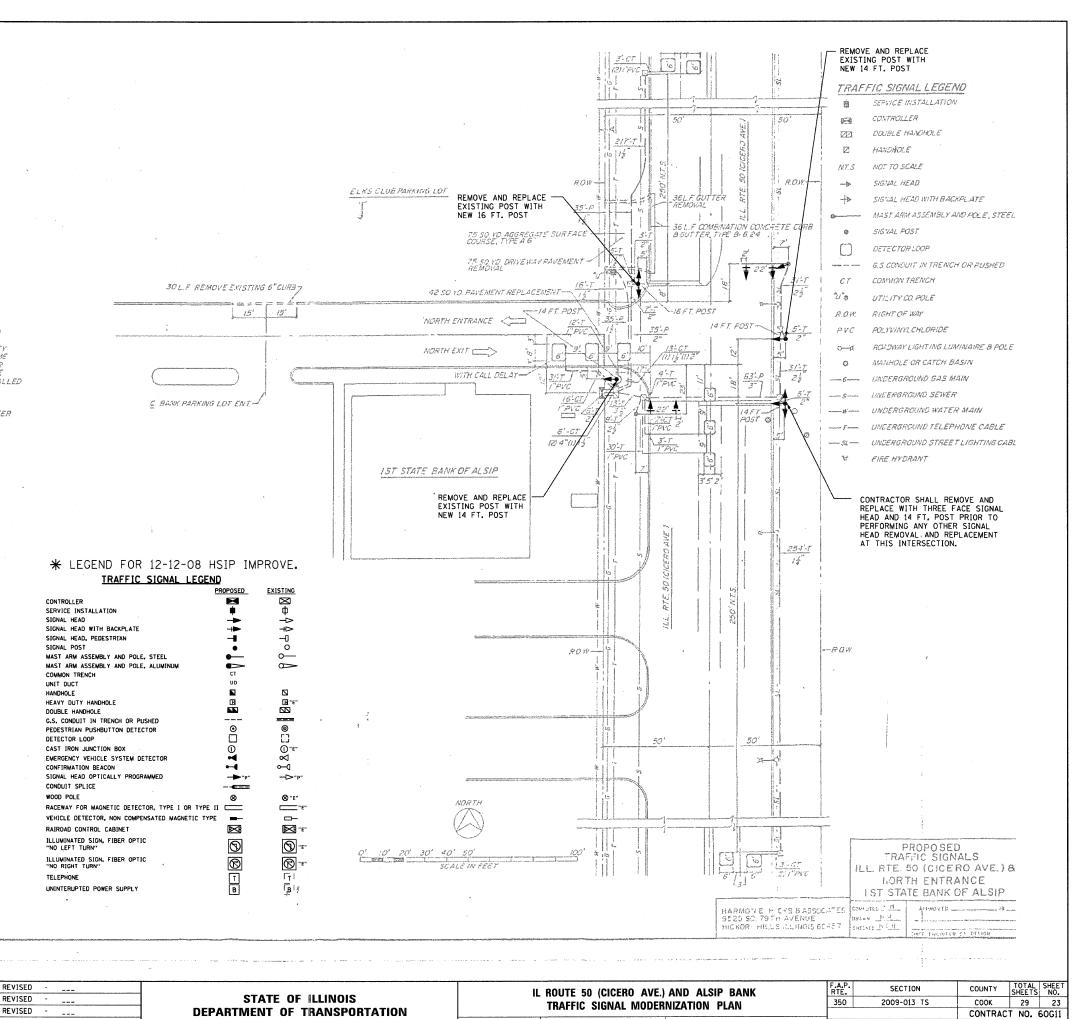
JD

REVISED

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

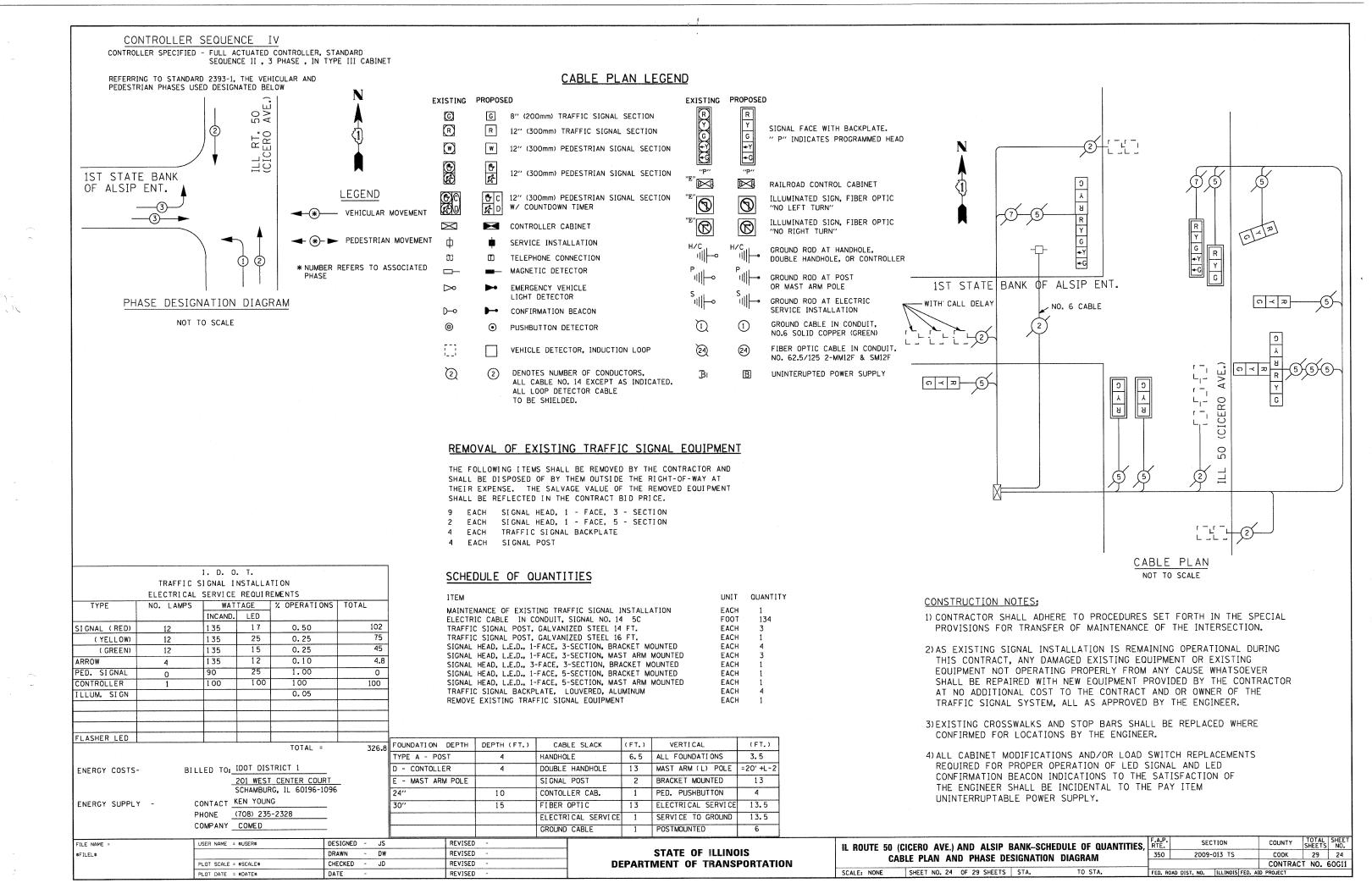
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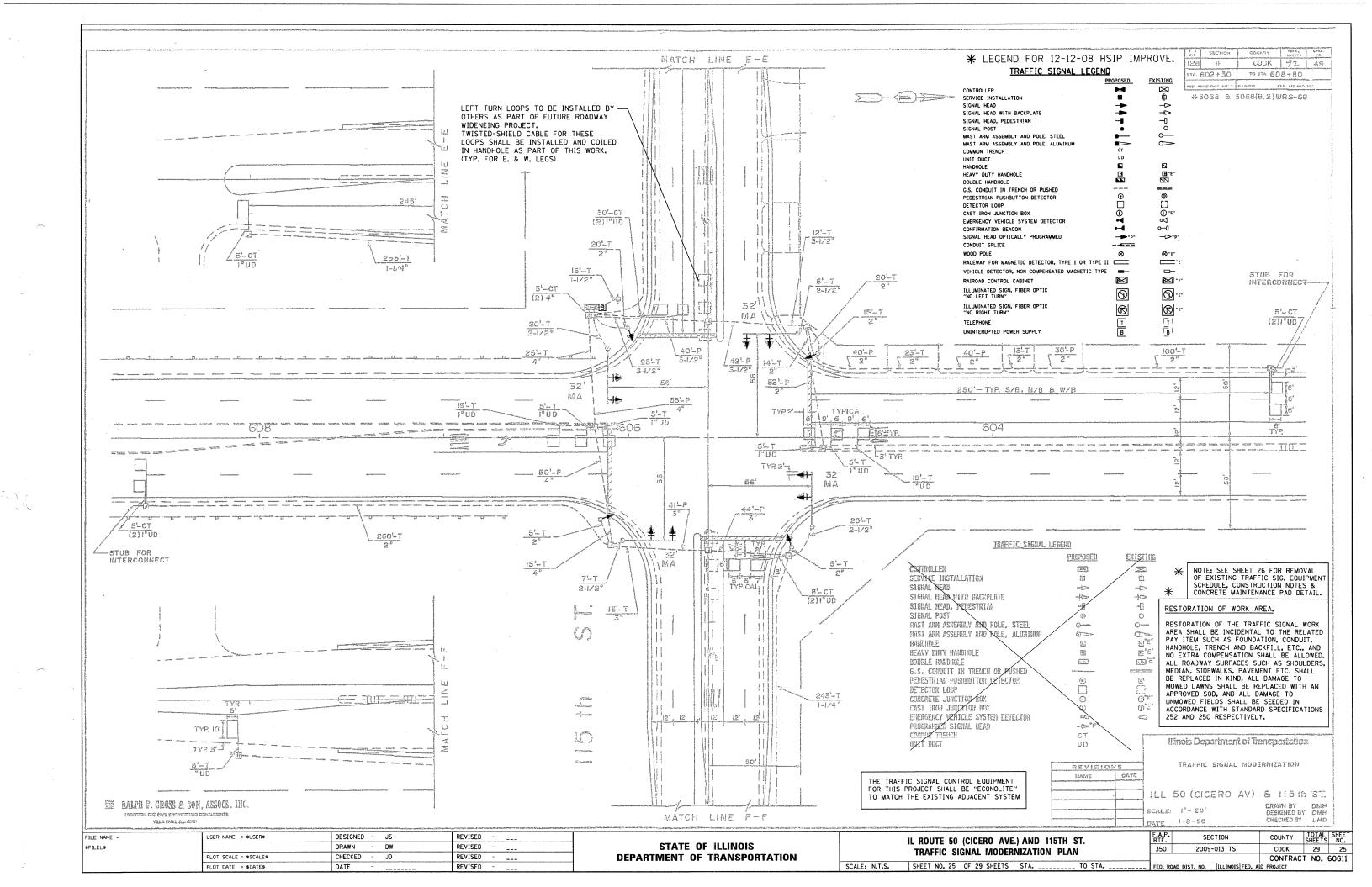
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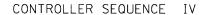


SCALE: N.T.S. SHEET NO. 23 OF 29 SHEETS STA. _____ TO STA. ____

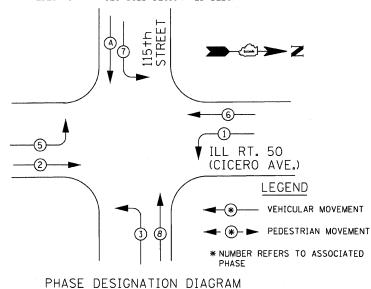
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

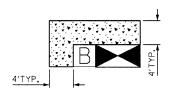






REFERRING TO STANDARD 2393-1, THE VEHICULAR AND PEDESTRIAN PHASES USED DESIGNATED BELOW





NOT TO SCALE

1) 5" THICK CONCRETE PAD SHALL BE POURED NEXT TO NEW CONTROLLER AND/OR UPS TO PROVIDE EASY MAINTENANCE ACCESS.

2) MAINTENANCE PAD SHALL EXTEND TO THE EDGE OF EXISTING CONTROLLER FOUNDATION.

3) COST OF PAD SHALL BE INCLUDED IN THE PRICE OF UPS CABINET.

CONCRETE MAINTENANCE PAD DETAIL (TYPICAL)

N.T.S.

	Ι.	D.	0.	Т.	
TRAFFIC S	SI GI	NAL	INS	STALLATION	
ELECTRI CAL	SEF	RVI	CE F	REQUIREMENTS	

	ELECTRICAL	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		
SIGNAL (RED)	12	1 35	17	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0. 25	45
ARROW	16	1 35	12	0.10	19.
PED. SIGNAL	0	90	25	1.00	0
CONTROLLER	1	100	100	1 00	100
ILLUM. SIGN				0.05	
-					
FLASHER LED		ļ			

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

PLOT DATE = \$DATE\$

201 WEST CENTER COURT SCHAMBURG, IL 60196-1096

ENERGY SUPPLY -

(708) 235-2328 COMPANY COMED

CONTACT KEN YOUNG PHONE

CABLE PLAN LEGEND

EXISTING	PROPOSE	ED	EXISTING
O	G	8" (200mm) TRAFFIC SIGNAL SECTION	R
R	R	12" (300mm) TRAFFIC SIGNAL SECTION	
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION	(+)
	o A	12" (300mm) PEDESTRIAN SIGNAL SECTION	"P"
	費 C な D	12" (300mm) PEDESTRIAN SIGNAL SECTION W/ COUNTDOWN TIMER	"E"
\bowtie	M	CONTROLLER CABINET	"E"
ф	•	SERVICE INSTALLATION	H/C ,
53 3	\Box	TELEPHONE CONNECTION	╢╟━
<u> </u>	_	MAGNETIC DETECTOR	مااال
\triangleright	>	EMERGENCY VEHICLE LIGHT DETECTOR	عالان مالان
D) —•	CONFIRMATION BEACON	1111
0	•	PUSHBUTTON DETECTOR	1
		VEHICLE DETECTOR, INDUCTION LOOP	24
2	2	DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.	Ĵβι

SCHEDULE OF QUANTITIES

ITEM
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
UNINTERRUPTABLE POWER SUPPLY
TEMPORARY INFORMATION SIGNING

UNIT QUANTITY EACH EACH EACH FACH EACH FACH FACH SQ FT

PROPOSED

+Y +G

SIGNAL FACE WITH BACKPLATE.

"NO LEFT TURN"

"NO RIGHT TURN"

GROUND ROD AT POST OR MAST ARM POLE

" P" INDICATES PROGRAMMED HEAD GREEN RAILROAD CONTROL CABINET ILLUMINATED SIGN, FIBER OPTIC ILLUMINATED SIGN, FIBER OPTIC GROUND ROD AT HANDHOLE. DOUBLE HANDHOLE, OR CONTROLLER GROUND ROD AT ELECTRIC |ಜ|≻|೮| SERVICE INSTALLATION GROUND CABLE IN CONDUIT, 2 7 0 7 V NO.6 SOLID COPPER (GREEN) FIBER OPTIC CABLE IN CONDUIT. NO. 62.5/125 2-MM12F & SM12F UNINTERUPTED POWER SUPPLY ILL RT. 50 GREEN (CICERO AVE.) ST CABLE PLAN

CONSTRUCTION NOTES:

1) CONTRACTOR SHALL ADHERE TO PROCEDURES SET FORTH IN THE SPECIAL PROVISIONS FOR TRANSFER OF MAINTENANCE OF THE INTERSECTION.

2) AS EXISTING SIGNAL INSTALLATION IS REMAINING OPERATIONAL DURING THIS CONTRACT, ANY DAMAGED EXISTING EQUIPMENT OR EXISTING EQUIPMENT NOT OPERATING PROPERLY FROM ANY CAUSE WHATSOEVER SHALL BE REPAIRED WITH NEW EQUIPMENT PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT AND OR OWNER OF THE TRAFFIC SIGNAL SYSTEM, ALL AS APPROVED BY THE ENGINEER.

3) EXISTING CROSSWALKS AND STOP BARS SHALL BE REPLACED WHERE CONFIRMED FOR LOCATIONS BY THE ENGINEER.

4) ALL CABINET MODIFICATIONS AND/OR LOAD SWITCH REPLACEMENTS REQUIRED FOR PROPER OPERATION OF LED SIGNAL AND LED CONFIRMATION BEACON INDICATIONS TO THE SATISFACTION OF THE ENGINEER SHALL BE INCIDENTAL TO THE PAY ITEM UNINTERRUPTABLE POWER SUPPLY.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

SIGNAL HEAD, 1 - FACE, 3 - SECTION

SIGNAL HEAD, 1 - FACE, 5 - SECTION

TRAFFIC SIGNAL BACKPLATE EACH

REVISED

FOUNDATION DEPTH	DEPTH (FT.)	CABLE SLACK	(FT.)	VERTI CAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3. 5
D - CONTOLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	=20' +L-2
E - MAST ARM POLE		SIGNAL POST	2	BRACKET MOUNTED	13
24"	1.0	CONTOLLER CAB.	1	PED. PUSHBUTTON	4
30"	15	FIBER OPTIC	13	ELECTRICAL SERVICE	13.5
		ELECTRICAL SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POSTMOUNTED	6

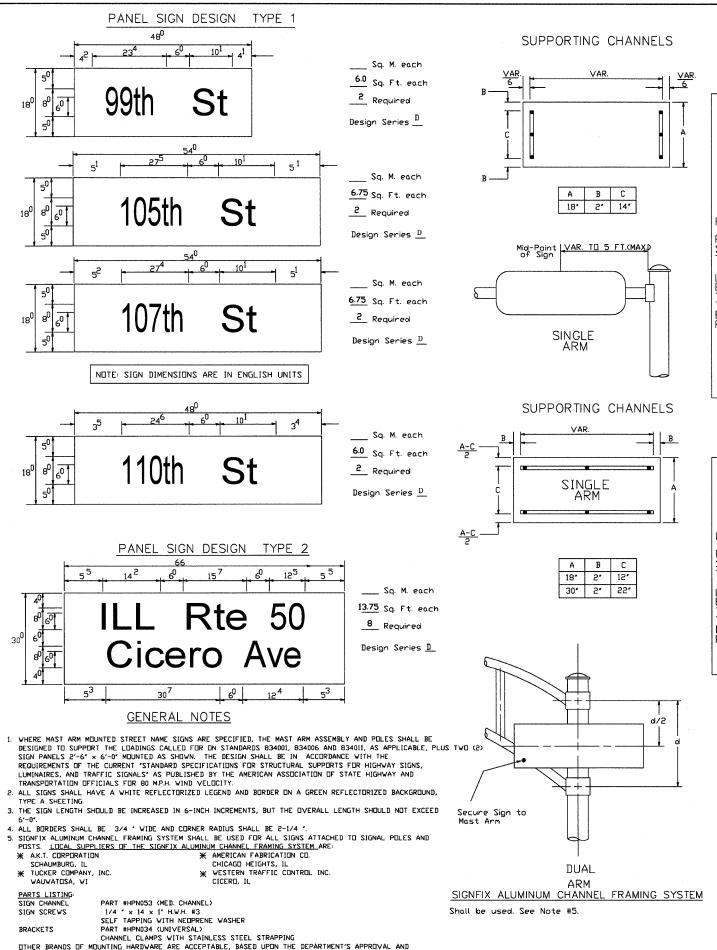
USER NAME = \$USER\$ FILE NAME DESIGNED - JS REVISED \$FILEL\$ DRAWN - DW REVISED CHECKED - JD REVISED

DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION COUNTY IL ROUTE 50 (CICERO AVE.) AND 115TH ST. - SCHEDULE OF QUANTITIES, 2009-013 TS COOK 29 26 350 CABLE PLAN AND PHASE DESIGNATION DIAGRAM CONTRACT NO. 60G11 SHEET NO. 26 OF 29 SHEETS STA. SCALE: NONE FED. ROAD DIST. NO. | ILL INDIS FED. AID PROJECT

NOT TO SCALE



EXAMPLE, 2 DENOTES 3 Upper Case To Lower Case Spacing Chart 8-6 Inch Series "C & D"

SECOND LETTER acde bhikl goq mnpru 12 14 14 15 12 14 06 10 11 14 06 10 11 12 12 14 D [] Q R | 1⁴ | 1⁵ | 2⁰ | 2¹ | 1⁴ | 1⁵ | 0⁶ | 1⁰ | 1² | 1⁴ | 1² | 1⁴ | 1⁴ HIMN 20 21 22 24 20 21 14 15 16 17 06 10 14 15 11 12 06 10 12 14 12 14 05 06 14 15 06 10 05 06 05 07 05 06 06 10 11 12 16 17 22 24 16 17 12 14 16 17 16 17 16 17 20 21

> Lower Case To Lower Case Spacing Chart 6 Inch Series "C & D"

							SE	CON	1D	LET	TE	R					
		a c 9 (b h m n p		f	w		j	S	t	٧	У	,	<	2	<u>z</u>
	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
F	adhgij lmnqu	16	17	22	24	16	17	12	14	14	15	14	15	16	17	1 ⁶	17
F I R S T	bfkops	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
T	c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
F	r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
JETTER	t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
Ė	v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
	w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
	×	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number Spacing Chart 8 Inch Series "C & D"

											SE	СП	ND	ΝL	JME	ER							
				()		1	í	2	(3	4	4		5	6	5	7	7	8	3	9	7
	SE	RIE	S	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
F	0	9		16	17	16	17	14	15	12	14	14	15	14	1 ⁵	1 ⁶	17	12	14	16	17	16	17
R	1			20	1ع	50	21	50	21	16	17	14	15	50	21	50	21	14	1 ⁵	50	21	50	21
T	2	3	4	14	15	14	1 ⁵	14	15	12	14	1 ²	14	14	1 ⁵	14	15	11	12	16	17	14	1 ⁵
N	5			14	1 ⁵	14	15	14	1 ⁵	11	12	11	12	14	1 ⁵	14	15	11	12	14	1 ⁵	14	15
M B	6			16	17	14	1 ⁵	14	1 ⁵	12	1 ⁵	1 ²	14	14	1 ⁵	14	15	1 ¹	12	14	15	14	1 ⁵
E	7			12	14	12	14	14	15	12	15	05	06	12	14	14	15	1 ¹	12	14	15	12	14
	8			16	17	1 ⁶	17	14	1 ⁵	12	15	12	14	14	15	16	17	12	14	16	17	14	1 ⁵

UPPER_AND_LOWER_CASE LETTER WIDTHS

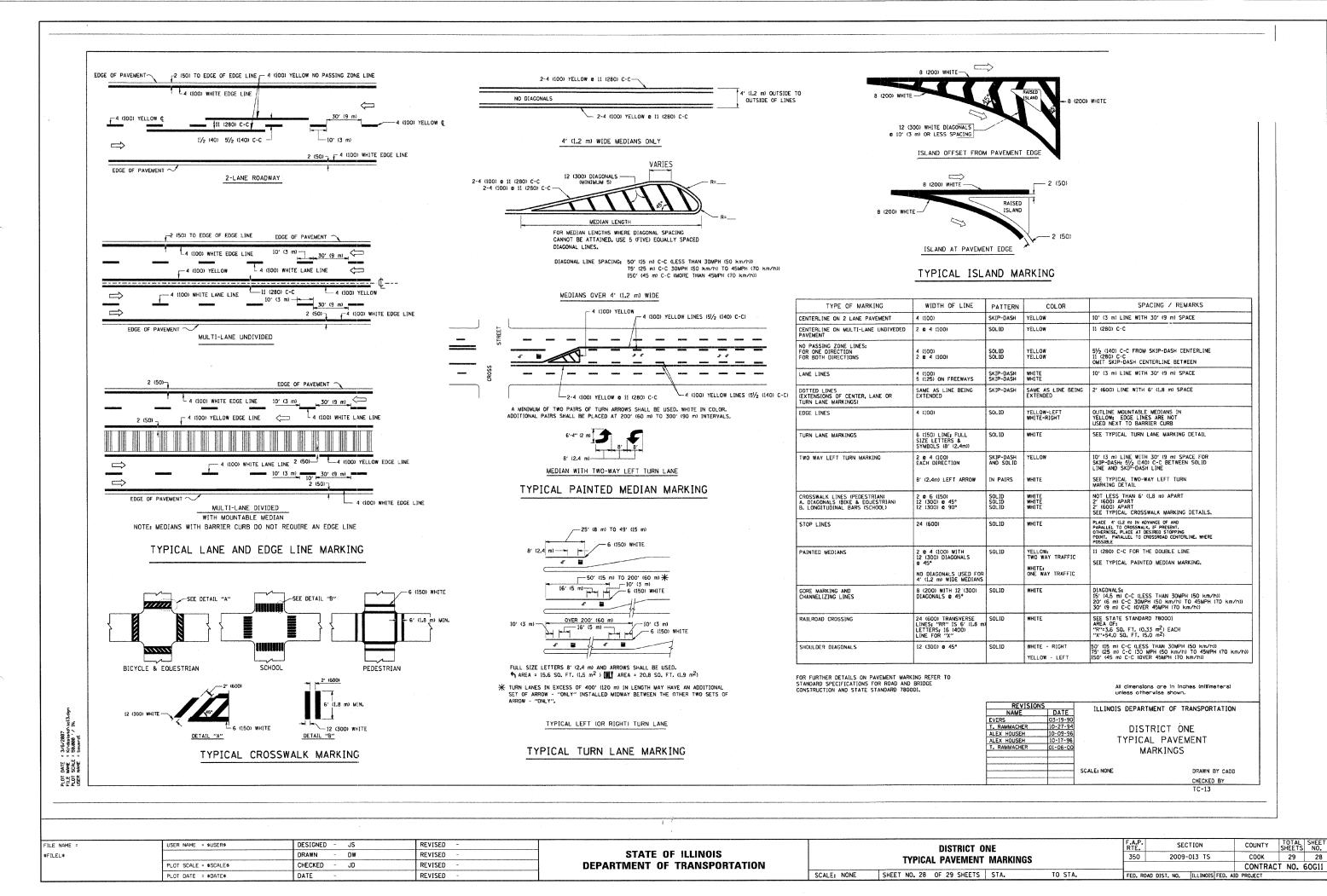
E T E R S	6 INCH UPPER 8 INCH UPPER CASE LETTERS CASE LETTERS			E T_	6 INCH LOWER CASE LETTERS		
T E	SERIES		SERIES		'E	SERIES	
R S	С	D	С	D	R S	С	D
Α	36	5 ⁰	5 ⁰	6 ⁵	a	35	42
В	3 ₅	40	43	53	ю	35	42
С	35	40	43	53	С	35	4 ¹
D	35	40	43	53	d	35	42
E	30	3 ⁵	40	47	е	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	9	35	42
н	35	40	43	5 ³	h	35	42
I	0 7	0 7	11	12	i	11	1 1
ſ	30	36	40	5 ⁰	j	وع	22
к	3 ²	41	43	54	k	35	42
L	30	35	4 ⁰	47	L	1 1	1 ¹
М	37	45	51	61	ъ	60	70
N	3 ²	40	43	53	n	35	42
0	34	42	4 ⁵	5 ⁵	0	36	43
Р	32	40	43	53	Р	35	42
Q	34	42	45	5 ⁵	D	3 ⁵	42
R	35	40	43	53	r	26	35
S	32	40	43	5 ³	5	36	42
T	30	35	40	47	t	27	35
U	35	40	43	53	u	35	42
٧	35	44	47	60	٧	42	47
V	44	5 ²	60	70	w	5 ⁵	64
Х	34	40	45	53	×	4 4	51
Y	36	50	5 ⁰	6 ⁶	у	46	5 ³
Z	3 ²	40	43	5 ³	z	36	43
		The state of the s					

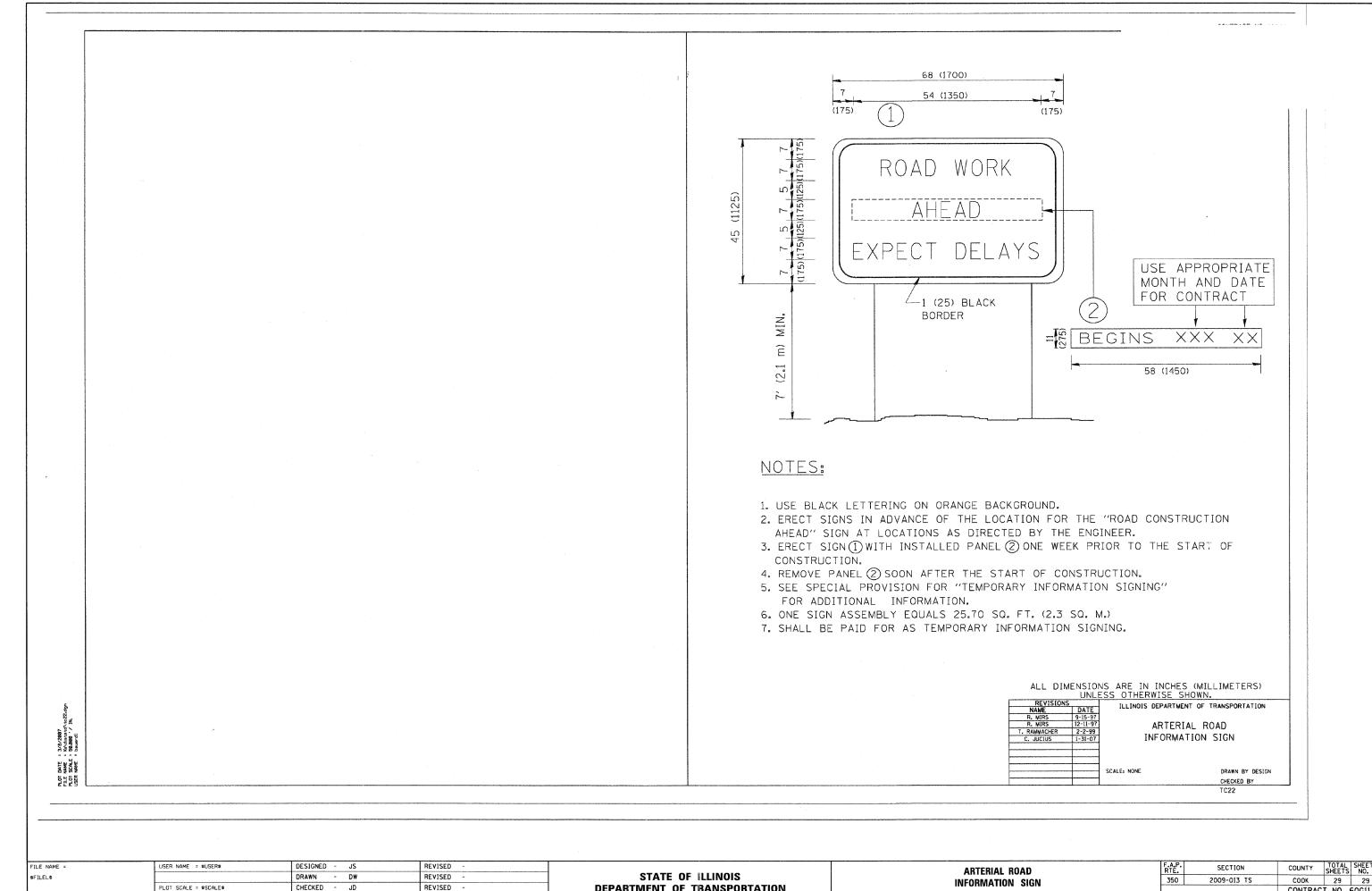
N					
''U _M	6 INCH	SERIES	8 INCH SERIES		
NU _{MBER}	С	D	С	D	
1	12	14	15	20	
5	35	40	43	5 ³	
3	35	40	43	53	
4	3 ⁵	43	47	5 ⁷	
5	3 ₅	40	43	53	
6	35	40	43	5 ³	
7	35	40	43	53	
8	35	40	43	53	
9	35	40	43	5 ³	
0	34	42	45	5 ⁵	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	ILLINOIS DEL ARTIMETAT OF TRANSPORTATION
D. A. Z. /D. A. G.	11/90	
	6/98	
CADD	10/00	MAST ARM MOUNTED
		STREET NAME SIGNS

SCALE: VERT. HORIZ. DATE 1-01-02

COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT. USER NAME = \$USER\$ DESIGNED - JS REVISED COUNTY MAST ARM MOUNTED STATE OF ILLINOIS DRAWN REVISED \$FILEL\$ 350 2009-013 TS COOK 29 27 STREET NAME SIGNS PLOT SCALE = \$SCALE\$ CHECKED - JD REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60G11 PLOT DATE = \$DATE\$ SCALE: NONE SHEET NO. 27 OF 29 SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT





PLOT DATE = \$DATE\$ REVISED **DEPARTMENT OF TRANSPORTATION**

SHEET NO. 29 OF 29 SHEETS STA. TO STA.

SCALE: NONE

CONTRACT NO. 60G11 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT