SEE SHEET 2 FOR INDEX OF SHEETS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

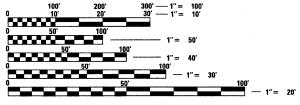
DISTRICT 1

HIGHWAY SAFETY IMPROVEMENT PROJECT

ILLINOIS ROUTE 19 (IRVING PARK ROAD) JUDD AVENUE TO ILLINOIS ROUTE 171 (CUMBERLAND AVENUE) F.A.P. ROUTE 345 SECTION 2009-085 TS PROJECT: ACHSIP-0345(052) **COOK COUNTY**

STANDARD DRAWINGS

(701006-03) (701011-02) (701101-02) (701301-03) (701901-01)(424001-05) (442201-03) (606001-04) (606306-03) (720001-01) (780001-02) (814001-02) (814006-02) (857001-01)(862001-01) (873001-02) (877001-04) 877006-03 877011-04 (878001 - 08)(880001-01) (880006-01) (886001-01) 886006-01 701 201 - 03 701 31 6 - 04 701 321 - 08 701 406 - 05 701 501 - 05 701502-03 701606-06 (701601-06) (701701-06) (701801-04) NOTE: STANDARD DRAWINGS REQUIRED (CIRCLED).



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

IMPROVEMENTS LOCATED IN THE VILLAGE OF SCHILLER PARK AND CITY OF CHICAGO

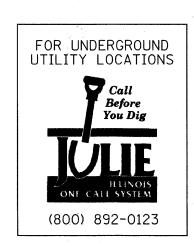
C-91-883-09

LEYDEN AND JEFFERSON TOWNSHIPS



LOCATION MAP

PROJECT LOCATION



345 2009-085 TS



DEPARTMENT OF TRANSPORTATION Deine W. O'Keele Re

STATE OF ILLINOIS

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

OF HIGHWAYS, CHIEF ENGINEER

CONTRACT NO. 60127

COUNTY: COOK SECTION: 2009-085 TS FAP ROUTE: 345

INDEX OF SHEETS

- TITLE SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5-8 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 9 TRAFFIC SIGNAL MODERNIZATION PLAN,
- IL ROUTE 19 (IRVING PARK ROAD) & JUDO AVENUE
- 10 CABLE PLAN, EMERGENCY VEHICLE PREEMPTION SEQUENCE, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES, IL ROUTE 19
- (IRVING PARK ROAD) & JUDD AVENUE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN, IL ROUTE 19 (IRVING PARK ROAD) & 25TH AVENUE/RUBY STREET
- TEMPORARY CABLE PLAN, IL ROUTE 19 (IRVING PARK ROAD) & 25TH AVENUE/RUBY STREET
- 13-14 TRAFFIC SIGNAL INSTALLATION PLAN, IL ROUTE 19 (IRVING PARK ROAD) & 25TH AVENUE/RUBY STREET
- 15 CABLE PLAN, IL ROUTE 19 (IRVING PARK ROAD) & 25TH AVENUE/
- 16 EMERGENCY VEHICLE PREEMPTION SEQUENCE, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES, IL ROUTE 19 (IRVING PARK ROAD) & 25TH AVENUE/RUBY STREET
- 17 TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN. IL ROUTE 19 (IRVING PARK ROAD) & WESLEY TERRACE
- 18 TEMPORARY CABLE PLAN, IL ROUTE 19 (IRVING PARK ROAD) &
- 19 TRAFFIC SIGNAL INSTALLATION PLAN, IL ROUTE 19 (IRVING PARK
- ROAD) & WESLEY TERRACE CABLE PLAN. IL ROUTE 19 (IRVING PARK ROAD) & WESLEY TERRACE
- EMERGENCY VEHICLE PREEMPTION SEQUENCE, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES, IL ROUTE 19 (IRVING PARK ROAD) & WESLEY TERRACE
- 22 TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN. IL ROUTE 19 (IRVING PARK ROAD) & DES PLAINES RIVER ROAD
- 23 TEMPORARY CABLE PLAN, IL ROUTE 19 (IRVING PARK ROAD) & DES PLAINES RIVER ROAD
- 24-25 TRAFFIC SIGNAL INSTALLATION PLAN. IL ROUTE 19 (IRVING PARK ROAD) & DES PLAINES RIVER ROAD
- 26 CABLE PLAN, IL ROUTE 19 (IRVING PARK ROAD) & DES PLAINES RI VER ROAD
- 27 EMERGENCY VEHICLE PREEMPTION SEQUENCE, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES, IL ROUTE 19 (IRVING PARK ROAD) & DES PLAINES RIVER ROAD
- 2B-29 TRAFFIC SIGNAL MODERNIZATION PLAN, IL ROUTE 19 (IRVING PARK ROAD) & IL ROUTE 171 (CUMBERLAND AVENUE) 30 CABLE PLAN, IL ROUTE 19 (IRVING PARK ROAD) & IL ROUTE 171
- (CUMBERLAND AVENUE)
- 31 PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES, IL
- ROUTE 19 (IRVING PARK ROAD) & IL ROUTE 171 (CUMBERLAND AVENUE)
 32-34 INTERCONNECT PLAN, IL ROUTE 19 (IRVING PARK ROAD), JUDO AVENUE TO DES PLAINES RIVER ROAD
- 35 INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES 36-37 MAST ARM MOUNTED STREET NAME SIGNS
- 38 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 39 ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0623 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- 3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN CONSENT FROM THE DEPARTMENT.
- 4. ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE CENTERLINE UNLESS OTHERWISE NOTED.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR II BARRICADE USED, ONE (1) SAND BAG ACROSS EACH BOTTOM RAIL. TYPE III BARRICADES SHALL HAVE FOUR (4) WEIGHTED SAND BAGS.
- 7. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 8. ALL EXISTING LANDSCAPING DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE RESTORED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- 9. EARTH EXCAVATION FOR PROPOSED SIDEWALK, WHERE REQUIRED, SHALL BE INCIDENTAL TO THE PAY ITEM "PORTLAND CEMENT CONCRETE SIDEWALK."

. HOT-MIX ASPHALT MIXTURE RÉQUIREMENTS

PAY ITEM	AC TYPE	voids
CLASS D PATCH	-	
CLASS D PATCH CHMA BINDER IL-19 MMI	PG 64-22*	4% & 70 GYR.

NOTE: THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN. 884

COUNTY TOTAL SHEE NO. USER NAME = SUSERS DESIGNED - BRD REVISED -SECTION **GENERAL NOTES STATE OF ILLINOIS** FILEL# DRAWN - JRT REVISED 2009-085 TS COOK 39 2 IL ROUTE 19 (IRVING PARK ROAD) PLOT SCALE = SSCALES CHECKED - JUE REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60127 SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. PLOT DATE = SDATES DATE - 10/14/09 TO STA. REVISED

^{*} WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

			FUNDING E	BREAKDOWN	90% FEDERAL 6 2/3% STATE 3 1/3% SCHILLER PARK	90% FEDERAL 5% STATE 5% SCHILLER PARK		90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
			LOCATION	OF WORK	IL ROUTE 19 & JUDD AV.	IL ROUTE 19 & 25TH AV./RUBY ST.	IL ROUTE 19 & WESLEY TER.	IL ROUTE 19 & DES PLAINES RIVER RD.	IL ROUTE 19 & IL ROUTE 171	IL ROUTE 19 INTERCONNECT
		SUMMARY OF QUANTITIES		URBAN	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS
	CODE NO.	PAY ITEM	UNIT	TOTAL	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1
ı	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	204	14	103	28	. 9	50	
ı	42001300	PROTECTIVE COAT	SQ YD	244	20	120	30	19	55	
ı	42400200	PORTLAND CEMENT CONCRETE SIDEWALK: 5 INCH	SQ FT	1821	125	925	246	75	450	
ı	42400800	DETECTABLE WARNINGS	SQ FT	286	31	100	46	38	71	
ı	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	140	20	74	10	15	21	
Ī	44000600	SIDEWALK REMOVAL	SQ FT	1300	25	925	200	75	75	
Ī	44003100	MEDIAN REMOVAL	SQ FT	108				108		
ı	44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	2	***************************************			2		
ı	44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	9				9		
ı	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	115	10	74	10		21	
ł	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	25	10			15		
ł	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	36				36		
ŀ	60624600	CORRUGATED MEDIAN	SQ FT	9				9		
ŀ	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1	,	,		,	1
ŀ	67100100	MOBILIZATION	L SUM	1	0.17	0 17	0.17	- 17	0.16	
ŀ	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0.17	0.17	0.17	0.17		0.16
(*	72000100	SIGN PANEL - TYPE 1	SQ FT	79	0.17	0.17	0.17 15	0.17	0.16 40	0.16
H	72000200	SIGN PANEL - TYPE 2	SQ FT	88		30	15	58	- 10	
*	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	13		30		13		
**	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37				37		
*		THERMOPLASTIC PAVEMENT MARKING - LETTERS AND STMBOLS THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	433	100			245		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 8"			188					
*	78000500		FOOT	14		050		14		
ŀ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	583		258		325		
**	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	68		050		68		
-	78300100	PAVEMENT MARKING REMOVAL	SQ FT	663	94	258		311		····
ŀ	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	728		24		704		
ļ	81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	251				251		
ļ	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	43		9	11	23		
ļ	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	27		17	10			
ļ	81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	F00T	20			10	10		
ļ	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	3116		1060	567	553		936
-	81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	59			32	12	15	
	81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	62		20	6	36		
ļ	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	942		321	158	463		
	81019000	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	34		34				
	81030100	CONDUIT SPLICE	EACH	1				-		1
ļ	81306500	REMOVE EXISTING JUNCTION BOX	EACH	4		4				
ļ	81400100	HANDHOLE	EACH	18		6	5	7		
ļ	81400200	HEAVY-DUTY HANDHOLE	EACH	7		3		4		
	81400300	DOUBLE HANDHOLE	EACH	5		2	1	2		
ļ	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1032		50	26	956		
ļ	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1			N. ago	1	
		FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2		1	1			****
[85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1				1		
ſ	86000105	MASTER CONTROLLER (SPECIAL)	EACH	1		1-2		1		
Ī	86400100	TRANSCEIVER - FIBER OPTIC	EACH	3		1	1	1		
	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2524	135	589	1028	482	290	-
Ī	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4459	229	1729	839	1058	604	
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6468	565	1456	799	3032	616	
ł	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3992	419	1398	299	1876		

** Specialty Items

RESTORATION OF WORK AREA.
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 SUFFACES SUCH
AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL
DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD,
AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD
SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM AT THE FOLLOWING INTERSECTIONS:

IL ROUTE 19 & JUDD AV. IL ROUTE 19 & 25TH AV./RUBY ST. IL ROUTE 19 & WESLEY TER. IL ROUTE 19 & DES PLAINES RIVER RD.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM AT THE FOLLOWING INTERSECTION:

IL ROUTE 19 & IL ROUTE 171

		· · · · · · · · · · · · · · · · · · ·	
FILE NAME =	USER NAME = \$USER\$	DESIGNED - BRD	REVISED -
\$FILEL\$		DRAWN - JRT	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - JJE	REVISED -
	PLOT DATE = \$DATE\$	DATE - 10/14/09	REVISED -

STATE	OF	ILLINOIS	
DEPARTMENT	0F	TRANSPORTATION	

·					
SUMMARY OF QUANTITIES (SHEET 1 OF 2)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
IL ROUTE 19 (IRVING PARK ROAD)	345	2009-085 TS	COOK	39	3
			CONTRACT	Γ NO.	6012
NO SCALE SHEET NO. 1 OF 2 SHEETS STA. TO STA.	FFD. RO	AD DIST, NO. 7 THE INOIS FED. AT	D PROJECT		

and the second of the second o		BREAKDOWN	90% FEDERAL 6 2/3% STATE 3 1/3% SCHILLER PARK	90% FEDERAL 5% STATE 5% SCHILLER PARK IL ROUTE 19 &	90% FEDERAL 6 2/3% STATE 3 1/3% SCHILLER PARK IL ROUTE 19 &	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE IL ROUTE 19 &	90% FEDERAL 10% STATE
	LOCATION	OF WORK	IL ROUTE 19 & JUDD AV.	25TH AV./RUBY ST.		DES PLAINES RIVER RD.	IL ROUTE 171	INTERCONNECT
SUMMARY OF QUANTITIES		URBAN	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS
CODE NO. PAY ITEM	UNIT	TOTAL	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031~/F
87301305 ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	8815	İ	3409	1489	3917		
87301805 ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	167		23	40	104		
87502480 TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	8			3	2	3	
87502500 TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2				2		
87502520 TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1				1		
87700160 STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1			1			
87700170 STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			1			
87700200 STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1	-			
87700210 STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1				1		
87700220 STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	4	 	2		2		1
87700250 STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1 1		1	······································	-	· · · · · · · · · · · · · · · · · · ·	
87700290 STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1 1	<u> </u>	-		- 1		
87800100 CONCRETE FOUNDATION, TYPE A	FOOT	36	<u> </u>		12	20	4	
87800150 CONCRETE FOUNDATION, TYPE C	FOOT	12		-4	4	4	•	
87800400 CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	120		45	30	45		
87800415 CONCRETE FOUNDATION, TIPE E 36-INCH DIAMETER	FOOT	30		15	30	15		
87900200 DRILL EXISTING HANDHOLE	EACH	5		15	, .	12	1	4
				7		9	12	
88030020 SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	37	5	7	4		12	
88030050 SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	11	3	1	5	2		
88030100 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2				
88030110 SIGNAL HEAD, L.E.D, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	9		4		5		
88030210 SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6	2				4	
88030220 SIGNAL HEAD, L E D, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		1		1		
88030240 SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3				3		
88102717 PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6	2		2	2		
88102747 PEDESTRIAN SIGNAL HEAD, L E D, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	11	1	4	2		4	
88500100 INDUCTIVE LOOP DETECTOR	EACH	29		12	5	12		
88600100 DETECTOR LOOP, TYPE I	FOOT	1496		687	201	608		
88800100 PEDESTRIAN PUSH-BUTTON	EACH	17	3	4	4	2	4	
89000100 TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3		1	1	1		L
89501400 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	8		3	2	3		
89501410 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	3		1	1	1		
89502200 MODIFY EXISTING CONTROLLER	EACH	1	1					
89502300 REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6250	695		246		1455	3854
89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5	1	1	1	1	1	1
89502380 REMOVE EXISTING HANDHOLE	EACH	28		8	6	14		
89502385 REMOVE EXISTING CONCRETE FOUNDATION	EACH	26		7	7	10	2	
X0322925 ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6498						6498
X0325737 TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3		1	1	1		
X8050015 SERVICE INSTALLATION POLE MOUNTED	EACH	3		1	1	1		
X8620020 UNINTERRUPTIBLE POWER SUPPLY	EACH	5	1	1	1	1	1]
X8710020 FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	6570						6570
X8730027 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1808		478	326	983	21	
X8730250 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1789		504	247	1038	-	
X8950200 REBUILD EXISTING HANDHOLE	EACH	2	1				1]
XX000406 BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	1156	†		1156		······································	<u> </u>
XXOO4913 REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	3866	 		1100			3866
XO326770 RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE	EACH	46	5	11	4	14	12	
XO325714 [POST MOUNTED.]FLASHING BEACON. SOLAR POWERED INSTALLATION	EACH	1	 	**	7	1	Ato	
* 1007 COST TO VILLAGE OF SCHILLER PARK VASI-20	LACI	1 1	L			<u> </u>		

^{* 100%} COST TO VILLAGE OF SCHILLER PARK Y031-30

RESTORATION OF WORK AREA.
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 SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL
DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD,
AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD
SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM AT THE FOLLOWING INTERSECTIONS:

INTERSECTION:

IL ROUTE 19 & JUDD AV. IL ROUTE 19 & 25TH AV./RUBY ST. IL ROUTE 19 & WESLEY TER. IL ROUTE 19 & DES PLAINES RIVER RD.

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

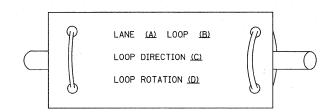
IL ROUTE 19 & IL ROUTE 171

FILE NAME =	USER NAME = \$USER\$	DESIGNED - BRD	REVISED -		SUMMARY OF QUANTITIES (SHEET 2 OF 2)	F.A.P.	SECTION	COUNTY	TOTAL SHEET
\$FILEL\$		DRAWN - JRT	REVISED -	STATE OF ILLINOIS	STATE OF ILLINOIS IL ROUTE 19 (IRVING PARK ROAD) 345				39 4
	PLOT SCALE = \$SCALE\$	CHECKED - JJE	REVISED -	DEPARTMENT OF TRANSPORTATION	IL HOOTE 15 (MVMC 1 AM HOAD)		9	CONTRAC	CT NO. 60127
	PLOT DATE = \$DATE\$	DATE - 10/14/09	REVISED -		SCALE: NO SCALE SHEET NO. 2 OF 2 SHEETS STA. TO STA.	FED. ROAD	DIST. NO. 7 ILLINOIS FED. A		

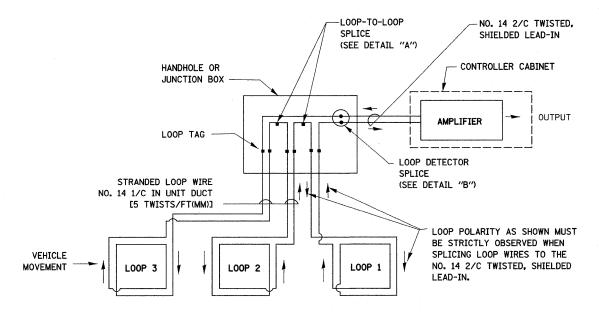
LOOP DETECTOR NOTES

- 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 WIRE.
- 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

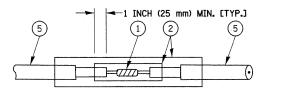


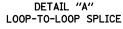
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

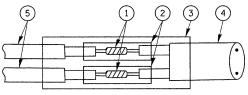


DETECTOR LOOP WIRING SCHEMATIC

- 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.







DETAIL "B" LOOP-TO-CONTROLLER SPLICE

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

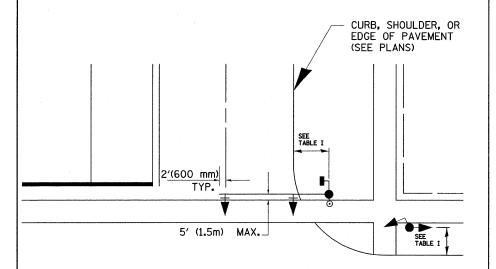
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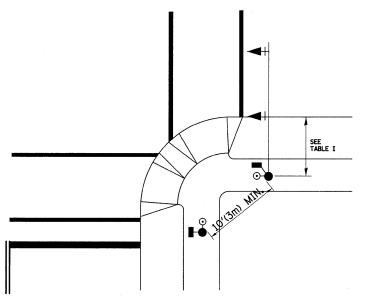
٦	DISTRICT	ONE STANDARD	TRAFFIC	SIGNAL	DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
			EET 1 OF			345	2009-085 TS	COOK	39	5
		/011	LLI I VI	7				CONTRAC	T NO.	60127
	SCALE:	SHEET NO. 1 OF 4	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. AI	D PROJECT		

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 MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. 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)
- 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 BEING USED.
- 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.
- 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

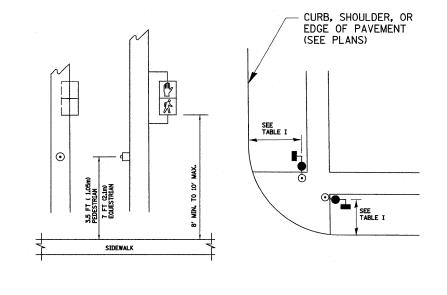


TABLE I

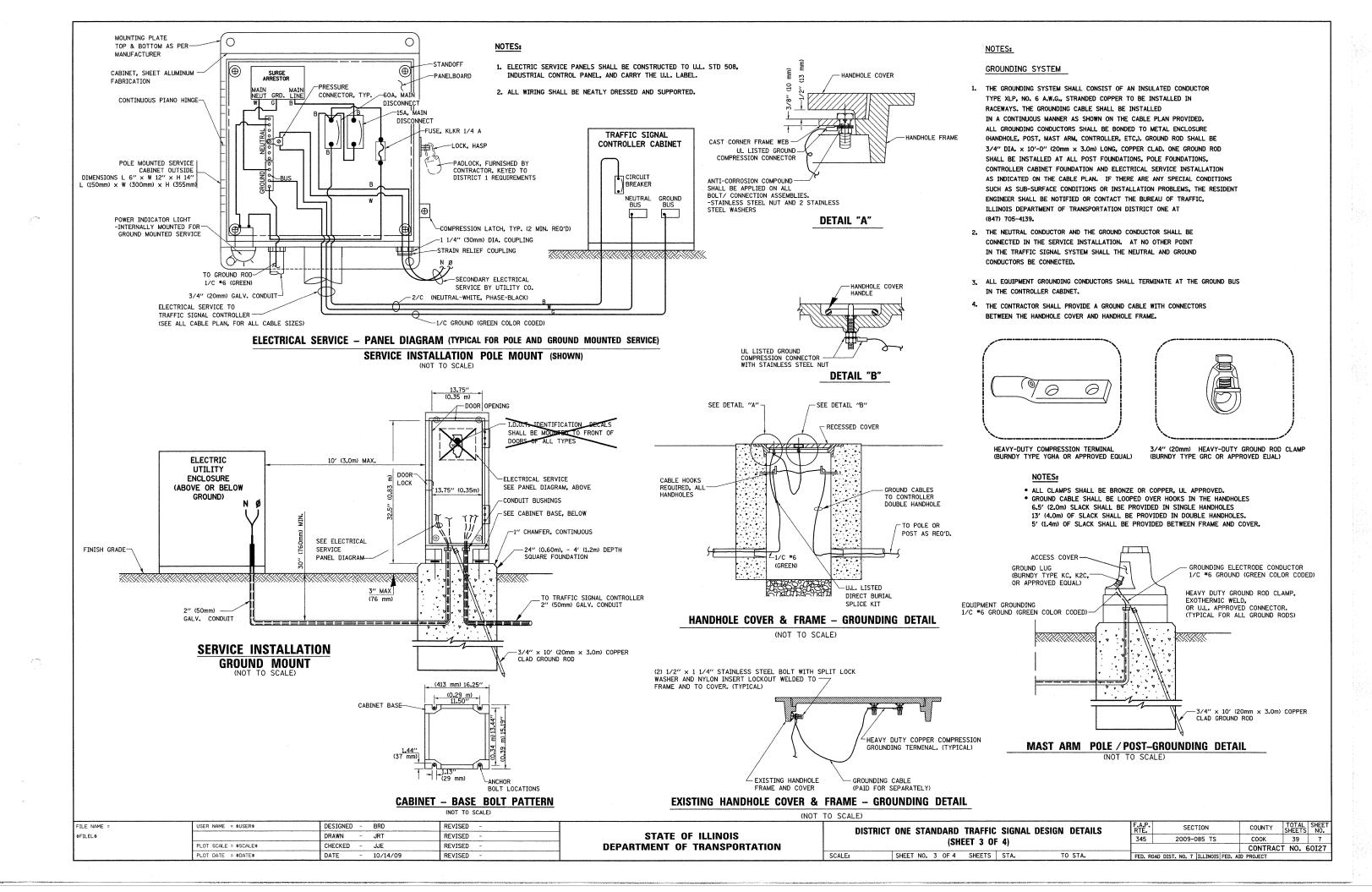
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

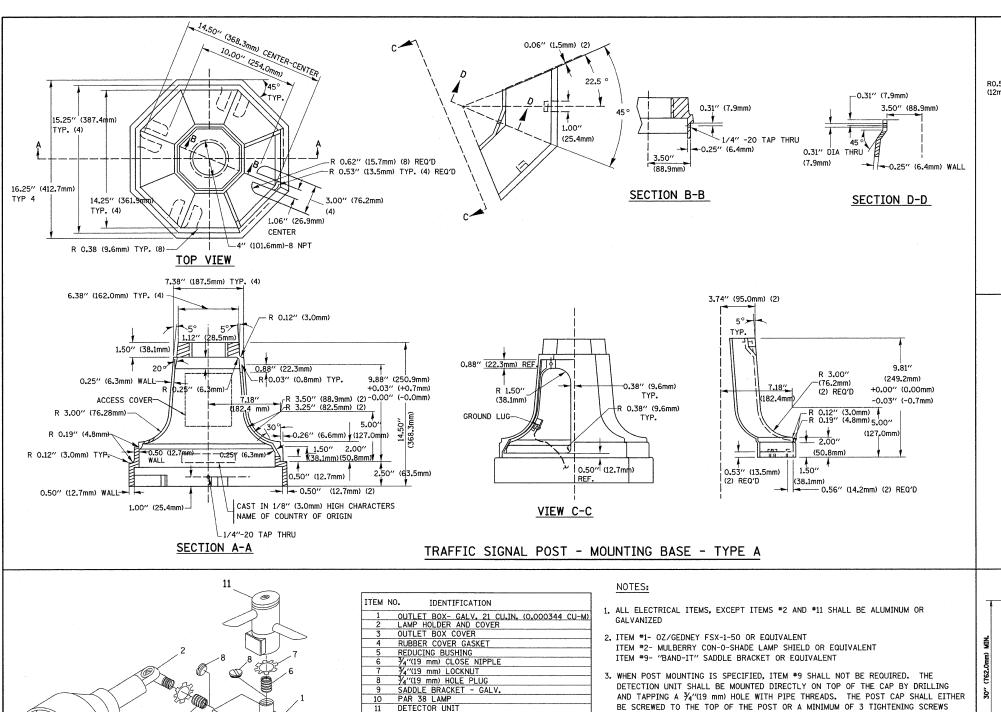
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(SHEET 2 OF 4)	345	2009-085 TS	COOK	39	6
			CONTRACT	T NO. 6	0127
SHEET NO. 2 OF 4 SHEETS STA. TO STA.	FFD. R	OAD DIST, NO. 7 THE INOIS FED. AT	D PROJECT		





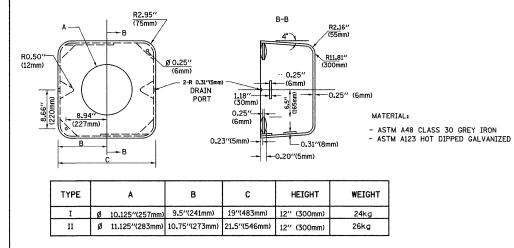
POST CAP [18 FT. (5.4 m) POST MIN.]

8-3-93

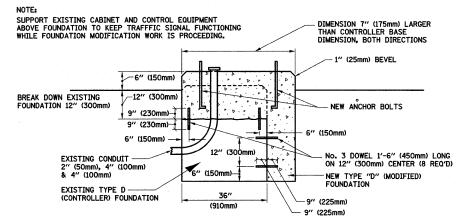
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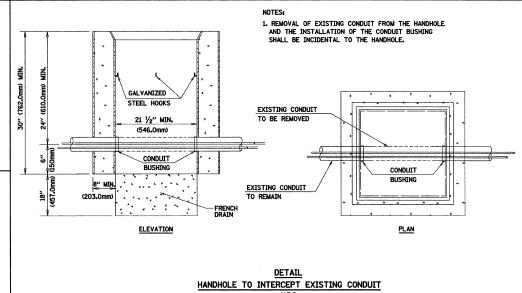


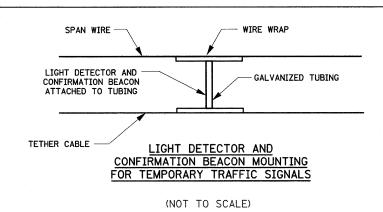
SHROUD DETAIL



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)





SCALE:

POST CAP MOUNT MAST ARM MOUNT EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL FILE NAME = USER NAME = \$USER\$ DESIGNED - BRD REVISED -

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DATE

- JRT

- 10/14/09

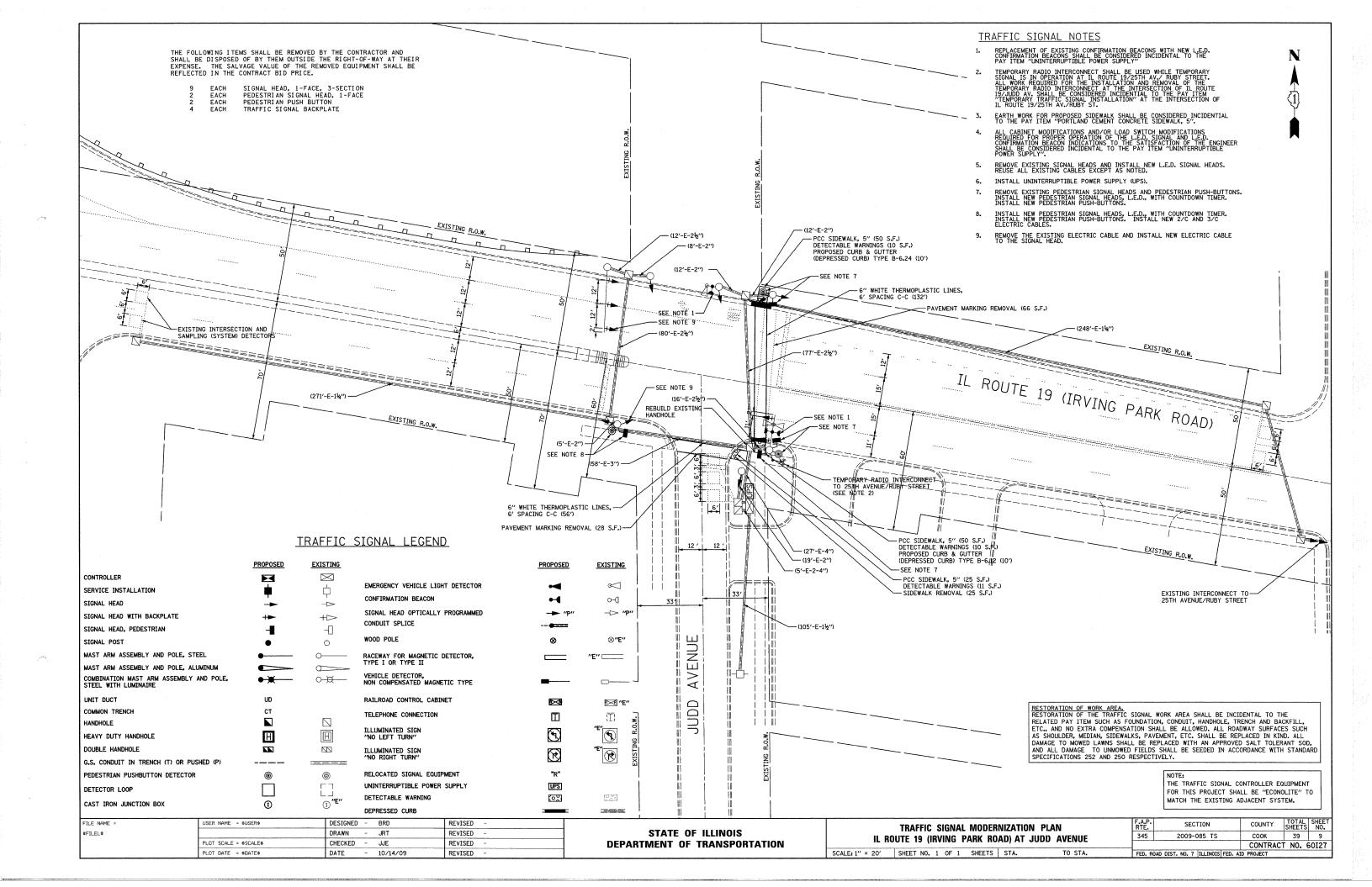
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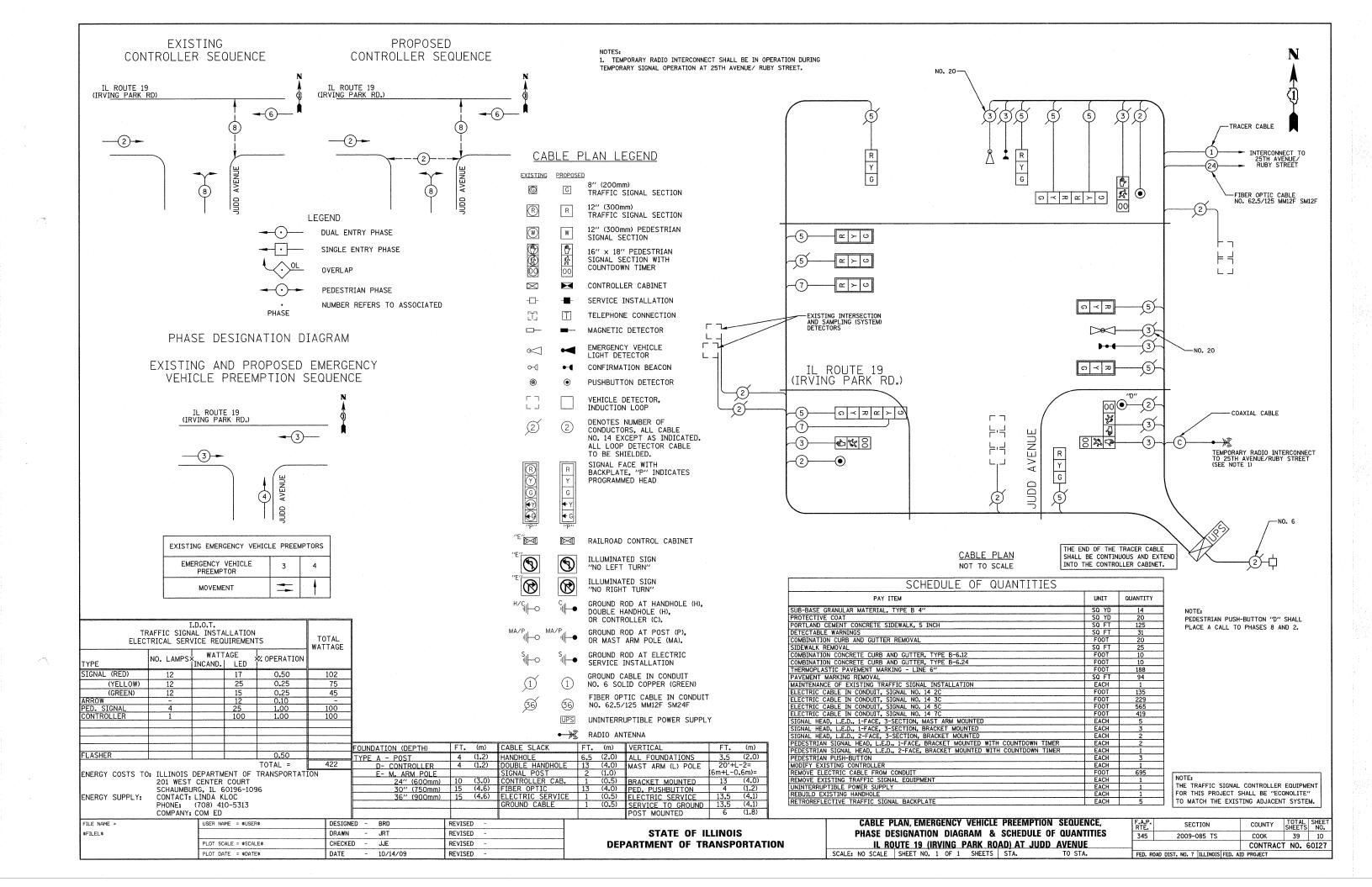
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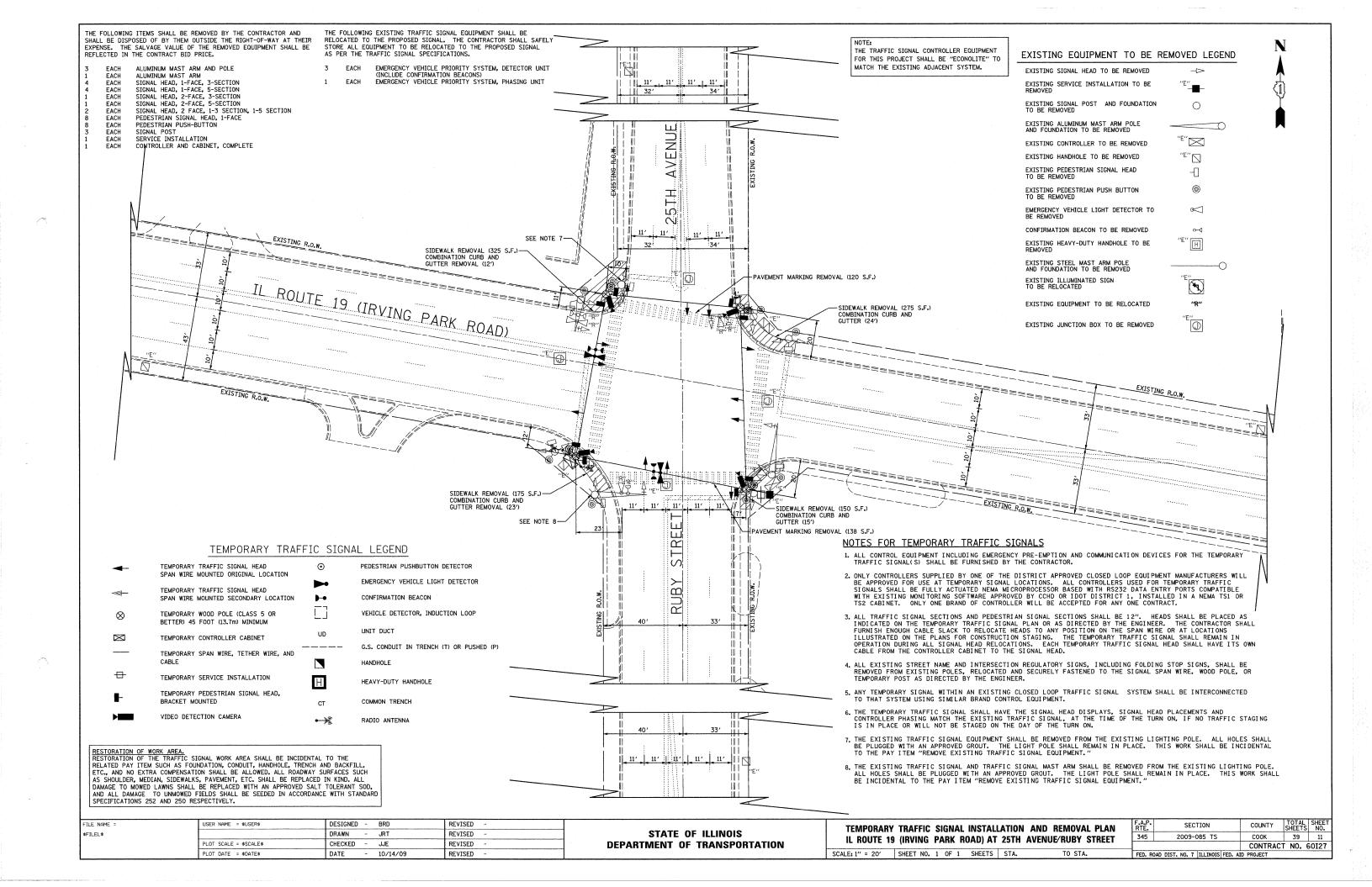
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

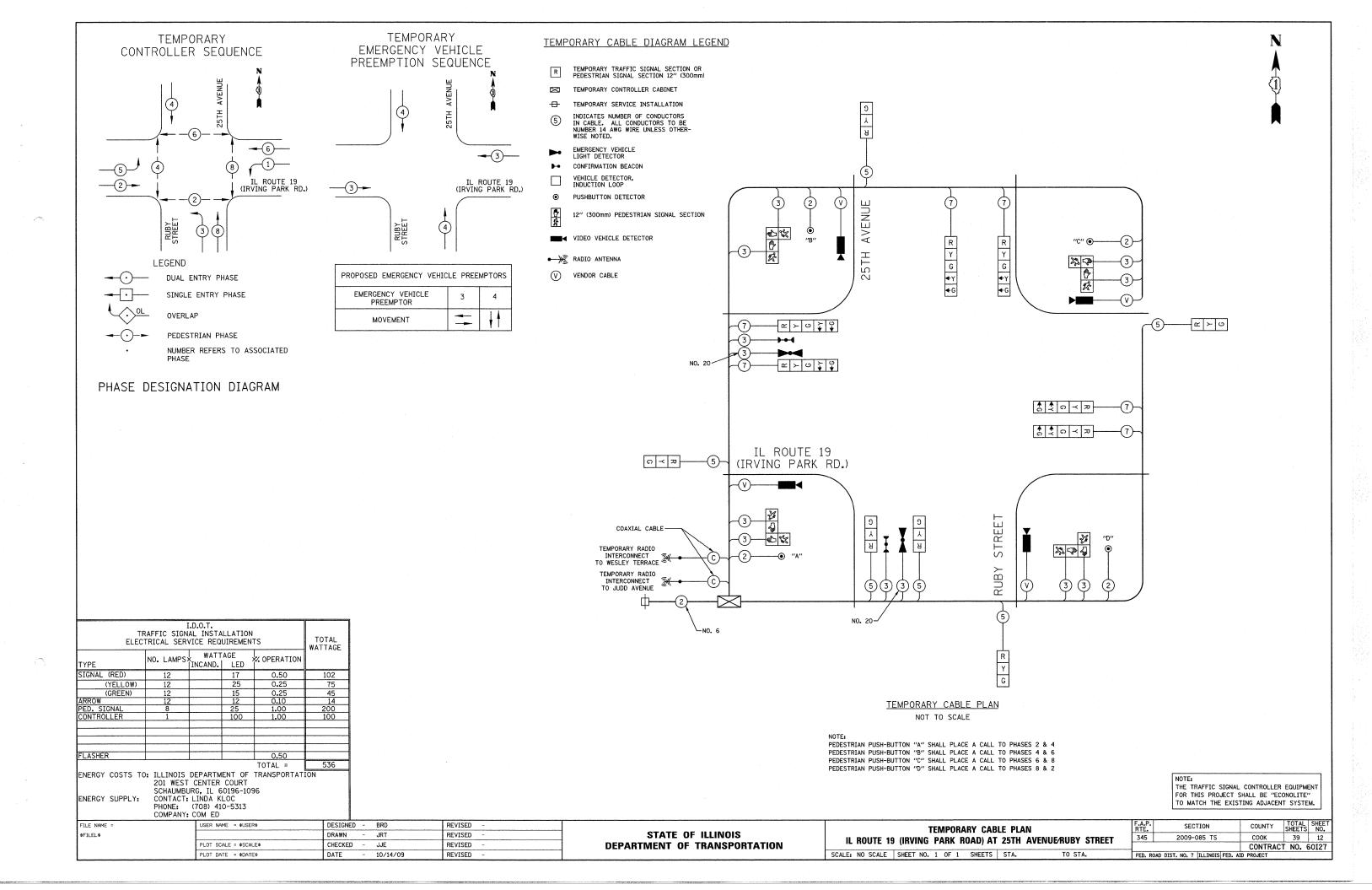
SHALL BE REQUIRED ON EACH CAP.

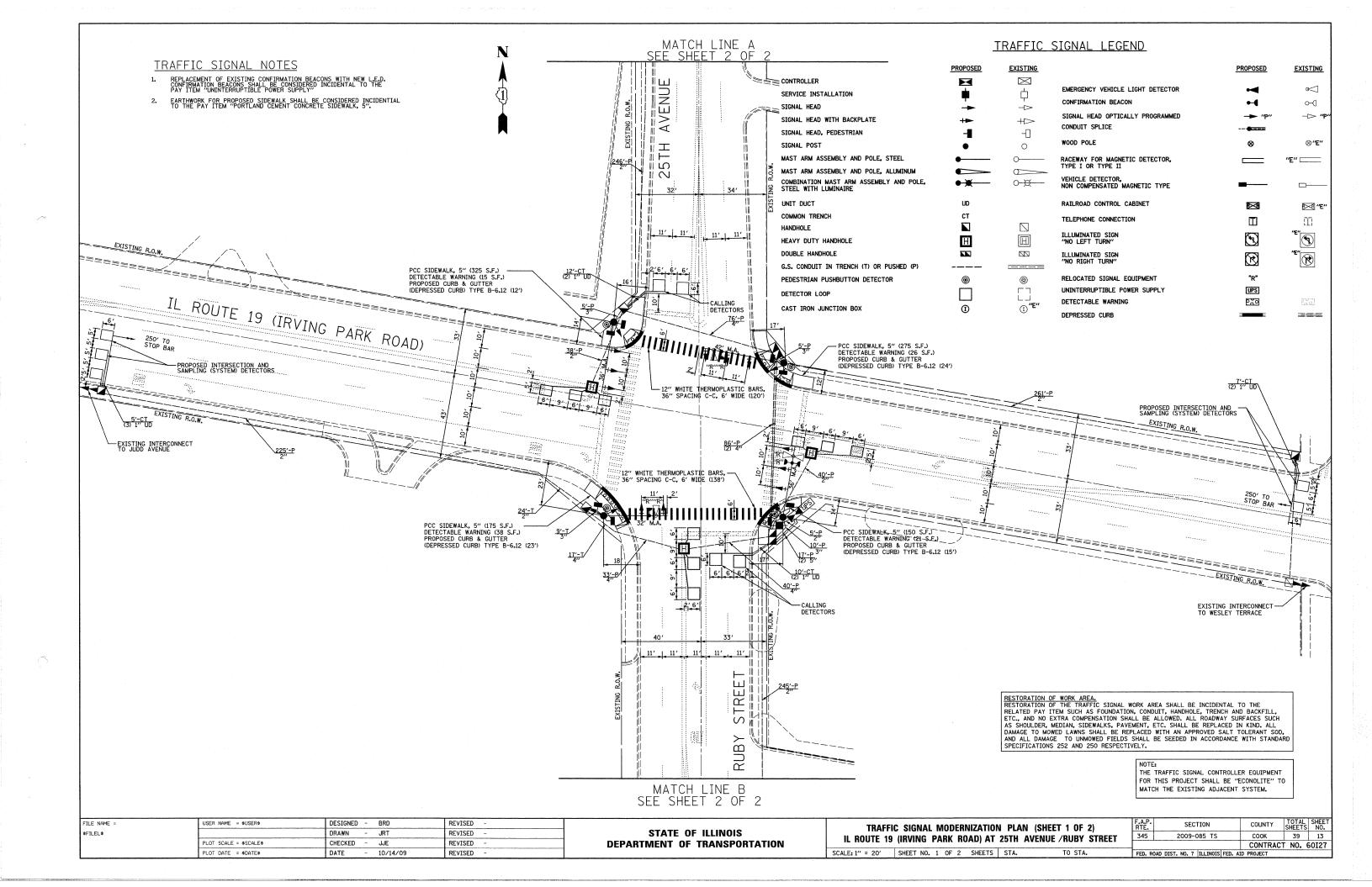
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		1011	LLI 7 OI	٦/				CONTRACT	NO.	60127
	SHEET NO.	4 OF 4	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. A	D PROJECT		

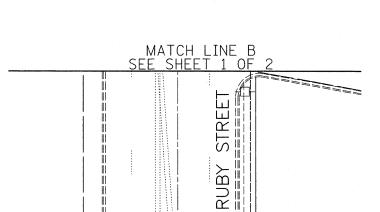


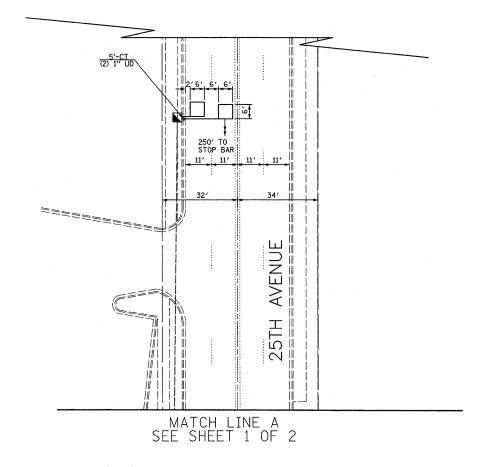












TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER	\blacksquare				_
SERVICE INSTALLATION			EMERGENCY VEHICLE LIGHT DETECTOR	•	⊗<
SIGNAL HEAD	-		CONFIRMATION BEACON	••	0-0
SIGNAL HEAD WITH BACKPLATE	+-	+	SIGNAL HEAD OPTICALLY PROGRAMMED	→ "P"	-⊳ " P"
SIGNAL HEAD, PEDESTRIAN		$-\Pi$	CONDUIT SPLICE		
SIGNAL POST		0	WOOD POLE	⊗	⊗ ″ E″
MAST ARM ASSEMBLY AND POLE, STEEL	•	0	RACEWAY FOR MAGNETIC DETECTOR,		"E" ====
MAST ARM ASSEMBLY AND POLE, ALUMINUM		0	TYPE I OR TYPE II		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE	•*	0 X	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
UNIT DUCT	UD		RAILROAD CONTROL CABINET		™E ″
COMMON TRENCH	СТ		TELEPHONE CONNECTION	Ш	ΙΤΊ
HANDHOLE			T		i.L.i
HEAVY DUTY HANDHOLE	H	H	ILLUMINATED SIGN "NO LEFT TURN"	\odot	
DOUBLE HANDHOLE			ILLUMINATED SIGN	R	"E"
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)			"NO RIGHT TURN"		(R)
PEDESTRIAN PUSHBUTTON DETECTOR	©	©	RELOCATED SIGNAL EQUIPMENT	" R"	
DETECTOR LOOP			UNINTERRUPTIBLE POWER SUPPLY	UPS	
CAST IRON JUNCTION BOX		 ⊙″E″	DETECTABLE WARNING	o Z o	009
CAST IRON SUNCTION BOX	1	① E	DEPRESSED CURB		100000000000000000000000000000000000000

RESTORATION OF WORK AREA.
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 SUFFACES SUCH
AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL
DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD,
AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD
SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TO STA.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT
FOR THIS PROJECT SHALL BE "ECONOLITE" TO
MATCH THE EXISTING ADJACENT SYSTEM.

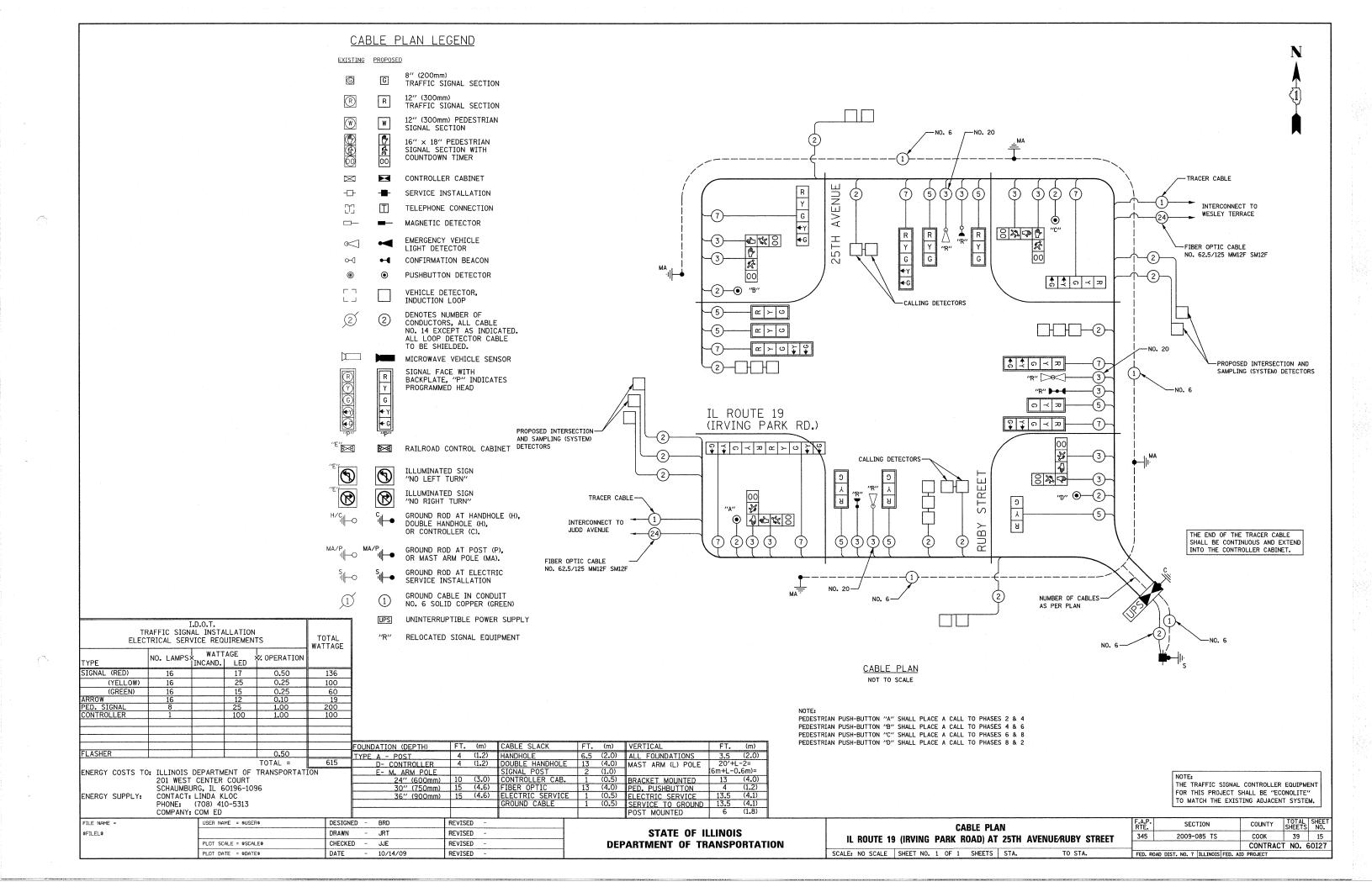
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

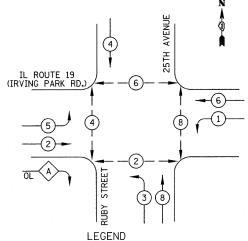
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IL	ROUTE	19	(IRVING	PARK	ROAD) A	T 25TH	AVENUE /	/RUBY	STREET

SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.							
345	2009-085 TS	-085 TS COOK									
-	CONTRACT NO. 60127										
CED DO	DAD DICT NO 7 THE THOTE EED A	IN DRO IECT									



PROPOSED CONTROLLER SEQUENCE



DUAL ENTRY PHASE

SINGLE ENTRY PHASE

OVERLAP

PEDESTRIAN PHASE

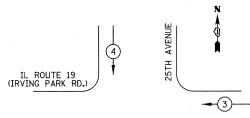
NUMBER REFERS TO ASSOCIATED PHASE

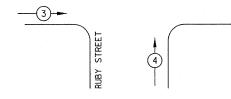
PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DISIGNATION

OVERLAP PERMISSIVE PROTECTED PHASE PHASE A = 2 + 3

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE





EMERGENCY VEHICLE PREEMPTORS									
EMERGENCY VEHICLE PREEMPTOR	3	4							
MOVEMENT	=	 							

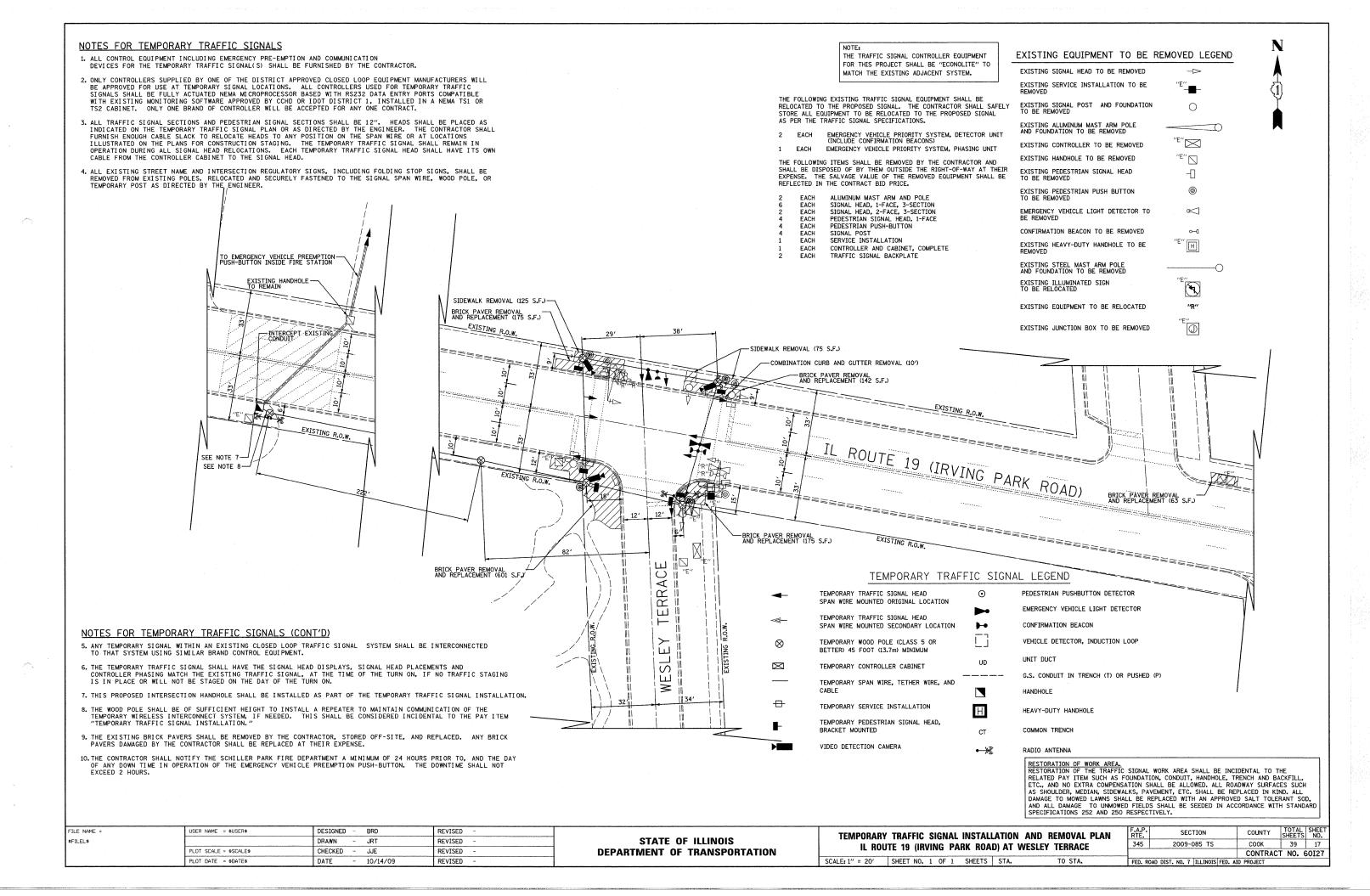
	T	T
PAY ITEM	UNIT	QUANTITY
SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	103
PROTECTIVE COAT	SQ YD	120
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	925
DETECTABLE WARNINGS	SQ FT	100
COMBINATION CURB AND GUTTER REMOVAL	FOOT	74 925
SIDEWALK REMOVAL	SQ FT FOOT	74
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	SQ FT	24
SIGN PANEL - TYPE 1 SIGN PANEL - TYPE 2	SQ FT	30
THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	258
PAVEMENT MARKING REMOVAL	SQ FT	258
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	24
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	9
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	17
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1060
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	321
CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	34
REMOVE EXISTING JUNCTION BOX	EACH	4
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	50
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	F00T	589
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1729
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1456
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1398
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	F00T	3409
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	F00T	23
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1 1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	45 15
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	7
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH EACH	+
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4 4
SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1 1
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	687
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1 1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	3
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	478
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	504
RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE	EACH	11

* 100% COST TO VILLAGE OF SCHILLER PARK

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	PLOT DATE = \$DATE\$	DATE -	10/14/09	REVISED -

						SEQUENCE, PHASE .E OF QUANTITIES
IL ROUTE 1	9 (IRVIN	IG PA	\RK	RD.) AT	25TH	AVENUE/RUBY STREET
SCALE: NO SCALE			F 1		STA.	TO STA.

F.A.P. RTE.	SECTION							F.A.P. SECTION COL							COUNTY	TOTAL SHEETS	SHEE NO.
345		2009-085 TS						COOK	39	16							
								CONTRAC	NO.	60127							
FED. F	CAO	DIST.	NO.	7	ILLINOIS	FED.	AID	PROJECT									



TEMPORARY SEQUENCE OF OPERATION

MOVEMENT N	2-		- T	- 6 -	-1		3	<u> </u>	F
PHASE		2 -	٠ 6		8				Α
INTERVAL	1	2	ЗА	ЗВ	4	5	64	6B	S
CHANGE TO		8					2-	16	Н
IL ROUTE 19 (IRVING PARK RD.) E/B - ALL SIGNALS	G	G	Υ	R	R	R	R	R	R
IL ROUTE 19 (IRVING PARK RD.) W/B - ALL SIGNALS	G	G	Υ	R	R	R	R	R	R
WESLEY TERRACE N/B - ALL SIGNALS	R	R	R	R	G	G	Υ	R	R
PEDESTRIAN SIGNAL - CROSSING WESLEY TERRACE	*P	**FH	Н	Н	Н	Н	H	Н	D
PEDESTRIAN SIGNAL - CROSSING IL ROUTE 19 (IRVING PARK RD.)	Н	Н	Н	Н	*P	**FH	Н	Н	R

- * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- ** FLASHING UPRAISED HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.
 - P = ILLUMINATED PERSON = "WALK"
 - FH = FLASHING UPRAISED HAND = "FLASHING DON'T WALK"
 - H = ILLUMINATED SOLID HAND = "DON'T WALK"

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

									_	_	-					
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		1		1		1	4			4				CLEAR
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	2	3	4	TO NORMAL				
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	1C	2 0R 4	3	1F	1G	2 0R 3	4				SEQUENCE				
IL ROUTE 19 (IRVING PARK RD.) E/B - ALL SIGNALS	G	Υ	R	G	R	R	R	R	G	G	R	\Diamond				
IL ROUTE 19 (IRVING PARK RD.) W/B ~ ALL SIGNALS	G	Υ	R	G	R	R	R	R	R	G	R	\Diamond				
WESLEY TERRACE N/B - ALL SIGNALS	R	R	R	R	G	Υ	R	G	R	R	G	\Diamond				
PEDESTRIAN SIGNAL - CROSSING WESLEY TERRACE	**FH	Н	Н	**FH	Н	Н	Н	Н	Н	Н	Н	\Diamond				
PEDESTRIAN SIGNAL - CROSSING IL ROUTE 19 (IRVING PARK RD.)	Н	Н	Н	Н	••FH	Н	Н	**FH	Н	Н	Н	\Diamond				

NOTE: PREEMPTOR NUMBER 3 SHALL BE ACTIVATED BY THE PUSHBUTTON LOCATED INSIDE THE FIRE STATION.

- EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 0R 4 IS TERMINATED.
- ** FLASHING UPRAISED HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.
- P = ILLUMINATED PERSON = "WALK"
- FH = FLASHING UPRAISED HAND = "FLASHING DON'T WALK"
- H = ILLUMINATED SOLID HAND = "DON'T WALK"

	: RAFFIC SIGN TRICAL SER'				TOTAL WATTAGE
TYPE	NO. LAMPS:	WATTAGE			
SIGNAL (RED)	9		17	0.50	77
(YELLOW)	9		25	0.25	56
(GREEN)	9		15	0.25	34
ARROW					
PED. SIGNAL	6		25	1.00	150
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
				TOTAL =	417
ENERGY COSTS T	O: ILLINOIS	DEPARTM	ENT OF	TRANSPORTAT:	ION

201 WEST CENTER COURT

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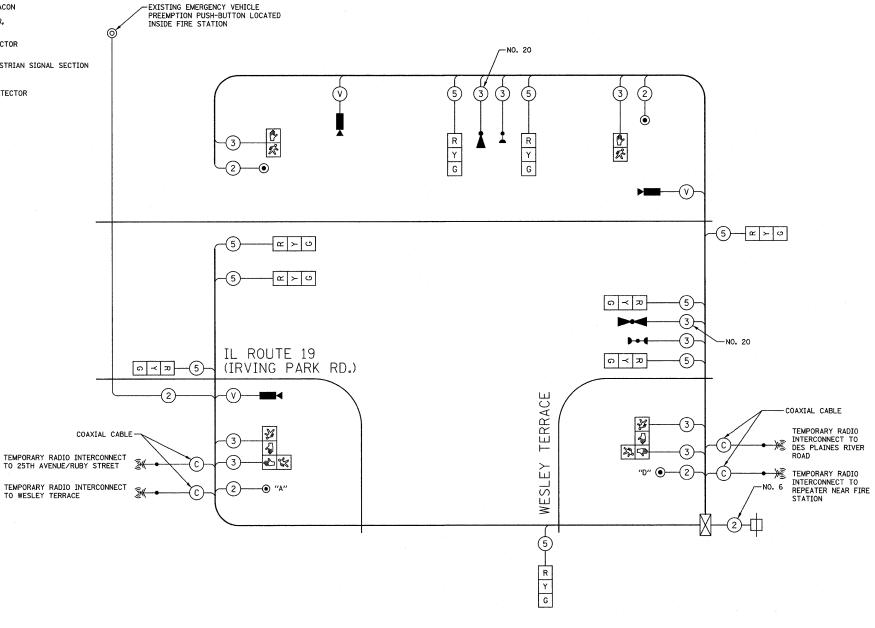
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SCHAUMBURG, IL 60196-1096 CONTACT: LINDA KLOC PHONE: (708) 410-5313 ENERGY SUPPLY: COMPANY: COM ED

> DESIGNED - BRD REVISED USER NAME = \$USER\$ - JRT REVISED PLOT SCALE = \$SCALE\$ CHECKED - JJE REVISED REVISED PLOT DATE = \$DATE\$ - 10/14/09

TEMPORARY CABLE PLAN LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE, ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHER-
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE DETECTOR
- RADIO ANTENNA
- V VENDOR CABLE



TEMPORARY CABLE PLAN NOT TO SCALE

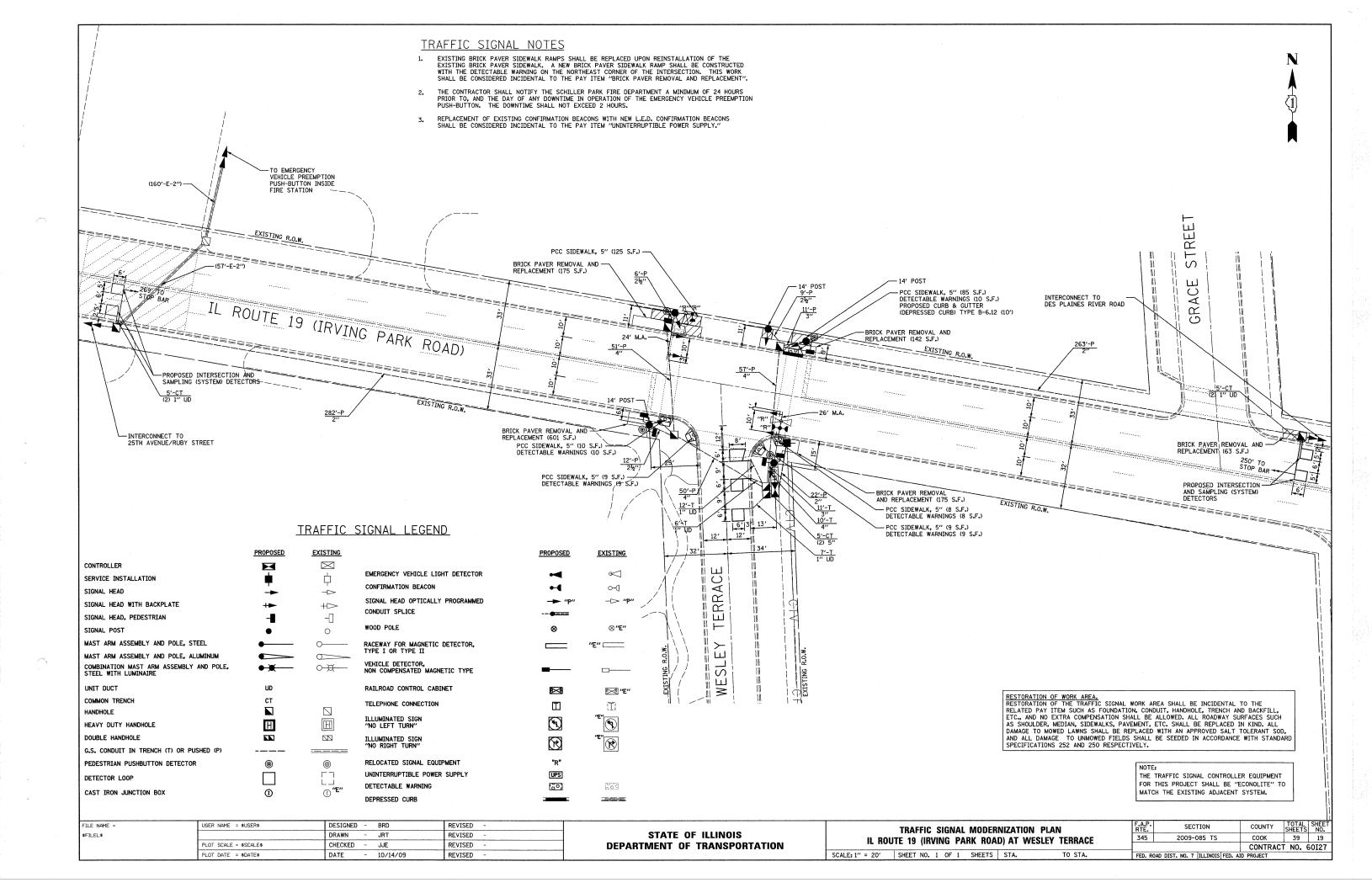
STATE OF ILLINOIS

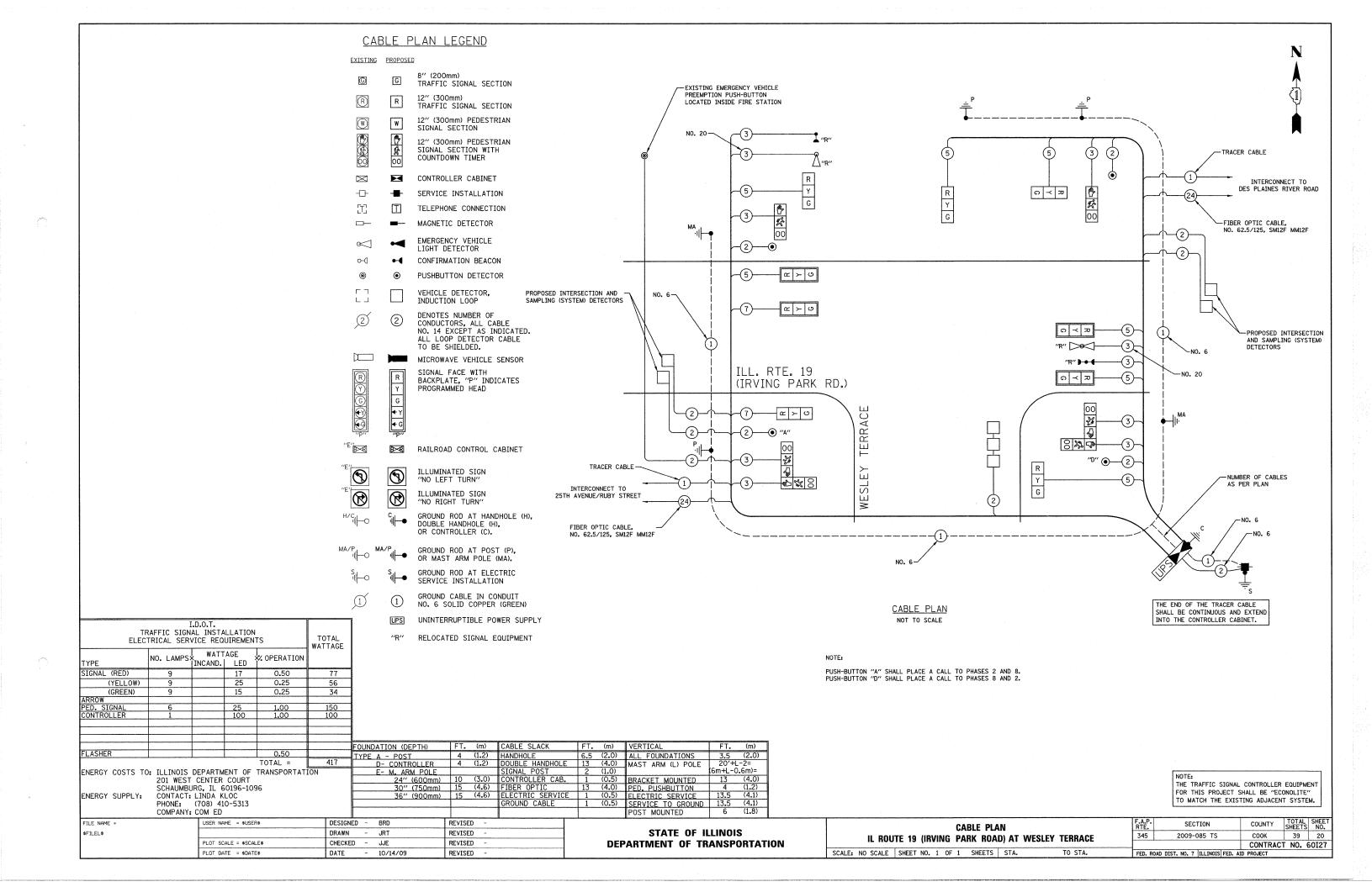
DEPARTMENT OF TRANSPORTATION

PUSH-BUTTON "A" SHALL PLACE A CALL TO PHASES 2 AND 8. PUSH-BUTTON "D" SHALL PLACE A CALL TO PHASES 8 AND 2.

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

TEMPORARY CABLE PLAN	F.A.P. RTE.	SECTION	COUNTY TOTAL SHEET		SHEET NO.
IL ROUTE 19 (IRVING PARK ROAD) WESLEY TERRACE	345	2009-085 TS	соок	39	18
IL ROUTE 13 (MITHER FAIR HOAD) WEDEET TERRADE			CONTRAC	r No. e	0127
CALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. R	OAD DIST. NO. 7 ILLINOIS FED. AI	D PROJECT		





PROPOSED SEQUENCE OF OPERATION

MOVEMENT N	2-		<u> </u>	-6	∓	8		* * -	F L A
PHASE		2 + 6		8				^	
INTERVAL	1	2	ЗА	3B	4	5	6A	6B	S
CHANGE TO	V			8			2+	+6	Н
IL ROUTE 19 (IRVING PARK RD.) E/B - ALL SIGNALS	G	G	Υ	R	R	R	R	R	R
IL ROUTE 19 (IRVING PARK RD.) W/B - ALL SIGNALS	G	G	Υ	R	R	R	R	R	R
WESLEY TERRACE N/B - ALL SIGNALS	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNAL - CROSSING WESLEY TERRACE	*P	**FH	Н	Н	Н	Н	Н	Н	DAR
PEDESTRIAN SIGNAL - CROSSING IL ROUTE 19 (IRVING PARK RD.)	Н	Н	Н	Н	*P	**FH	Н	Н	R K

- * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- $\mbox{\ensuremath{^{++}}}$ FLASHING UPRAISED HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.
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PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION



												···
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		1		4		4				CLEAR
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E.	1F	1G	1H	2	3	4	TO
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	1C	2 0R 4	3	1F	1G	2 0R.3	4				NORMAL SEQUENCE
IL ROUTE 19 (IRVING PARK RD.) E/B - ALL SIGNALS	G	Υ	R	G	R	R	R	R	G	G	R	\Diamond
IL ROUTE 19 (IRVING PARK RD.) W/B - ALL SIGNALS	G	Υ	R	G	R	R	R	R	R	G	R	\Diamond
WESLEY TERRACE N/B - ALL SIGNALS	R	R	R	R	G	Υ	R	G	R	R	G	\Diamond
PEDESTRIAN SIGNAL - CROSSING WESLEY TERRACE	••FH	Н	Н	**FH	Н	Н	Н	Н	Н	Н	Н	\Diamond
PEDESTRIAN SIGNAL - CROSSING IL ROUTE 19 (IRVING PARK RD.)	Н	Н	Н	Н	**FH	Н	Н	**FH	Н	Н	Н	\Diamond

NOTE: PREEMPTOR NUMBER 3 SHALL BE ACTIVATED BY THE PUSHBUTTON LOCATED INSIDE THE FIRE STATION.

- EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, OR 4 IS TERMINATED.
- ** FLASHING UPRAISED HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.
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- H = ILLUMINATED SOLID HAND = "DON'T WALK"

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	28
PROTECTIVE COAT	SQ YD	30
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	246
DETECTABLE WARNINGS	SQ FT	46
COMBINATION CURB AND GUTTER REMOVAL	FOOT	10
SIDEWALK REMOVAL	SQ FT	200
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	10
SIGN PANEL - TYPE 1	SQ FT	15
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	11
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	567
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	32
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	6
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	158
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
FRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	26
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1028
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	839
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	799
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	299
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	1489
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	40
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	F00T	201
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	246
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
SERVICE INSTALLATION, POLE MOUNTED	EACH	11
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	326
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	247
BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	1156
RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE	EACH	4

RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE
* 100% COST TO VILLAGE OF SCHILLER PARK

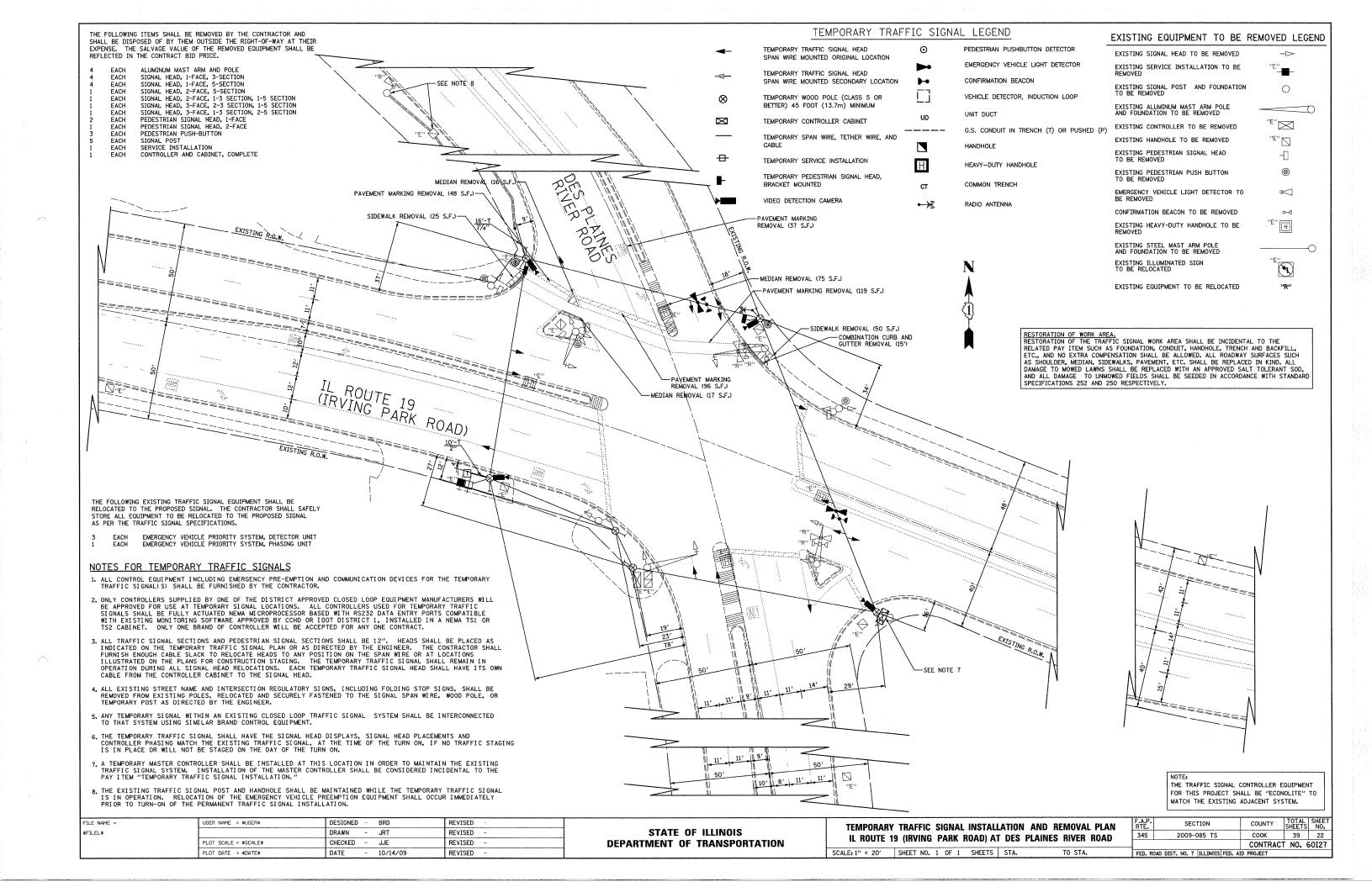
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	PLOT DATE = \$DATE\$	DATE	-	10/14/09	REVISED -

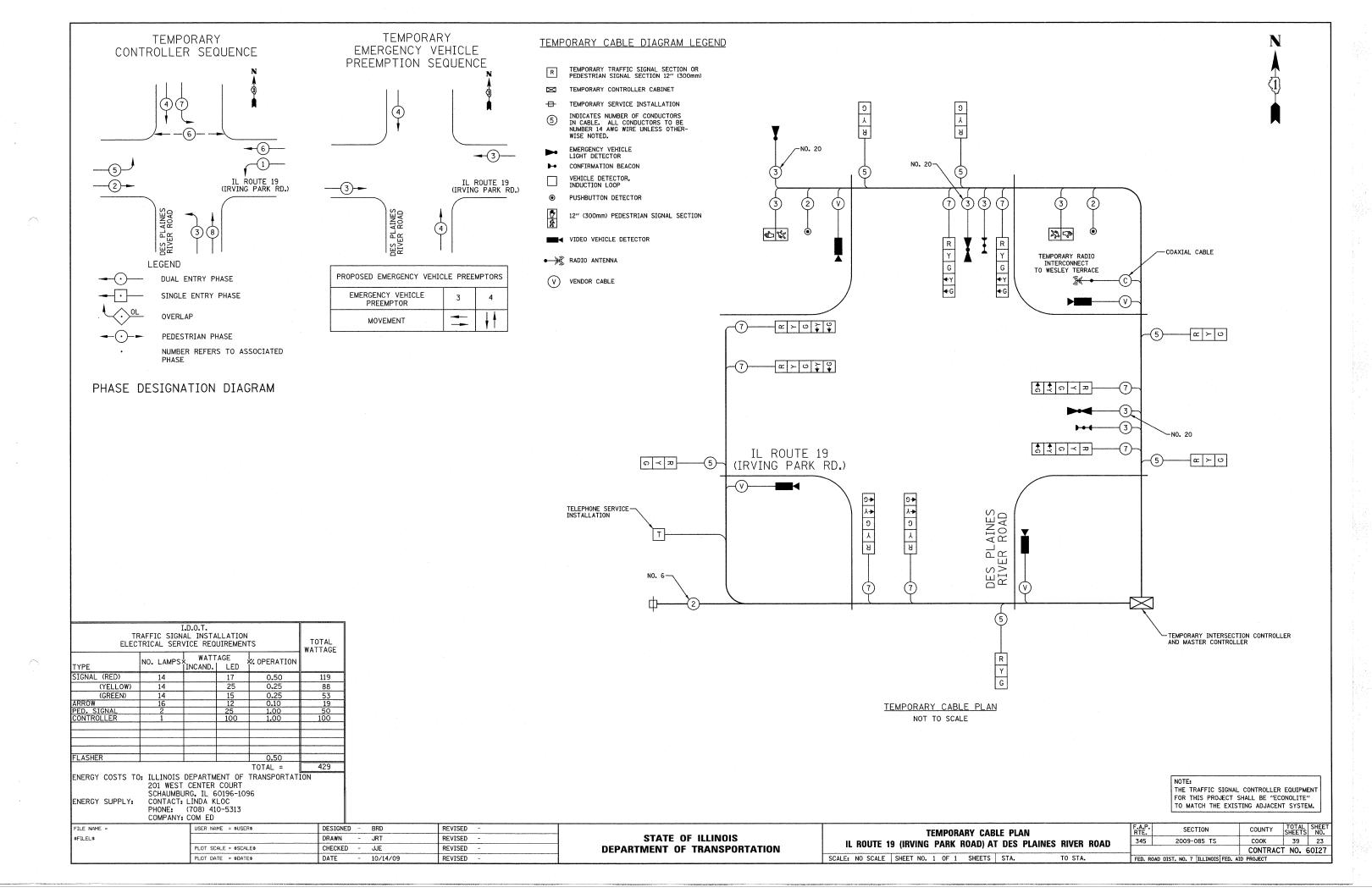
DEPARTMENT OF TRANSPORTATION

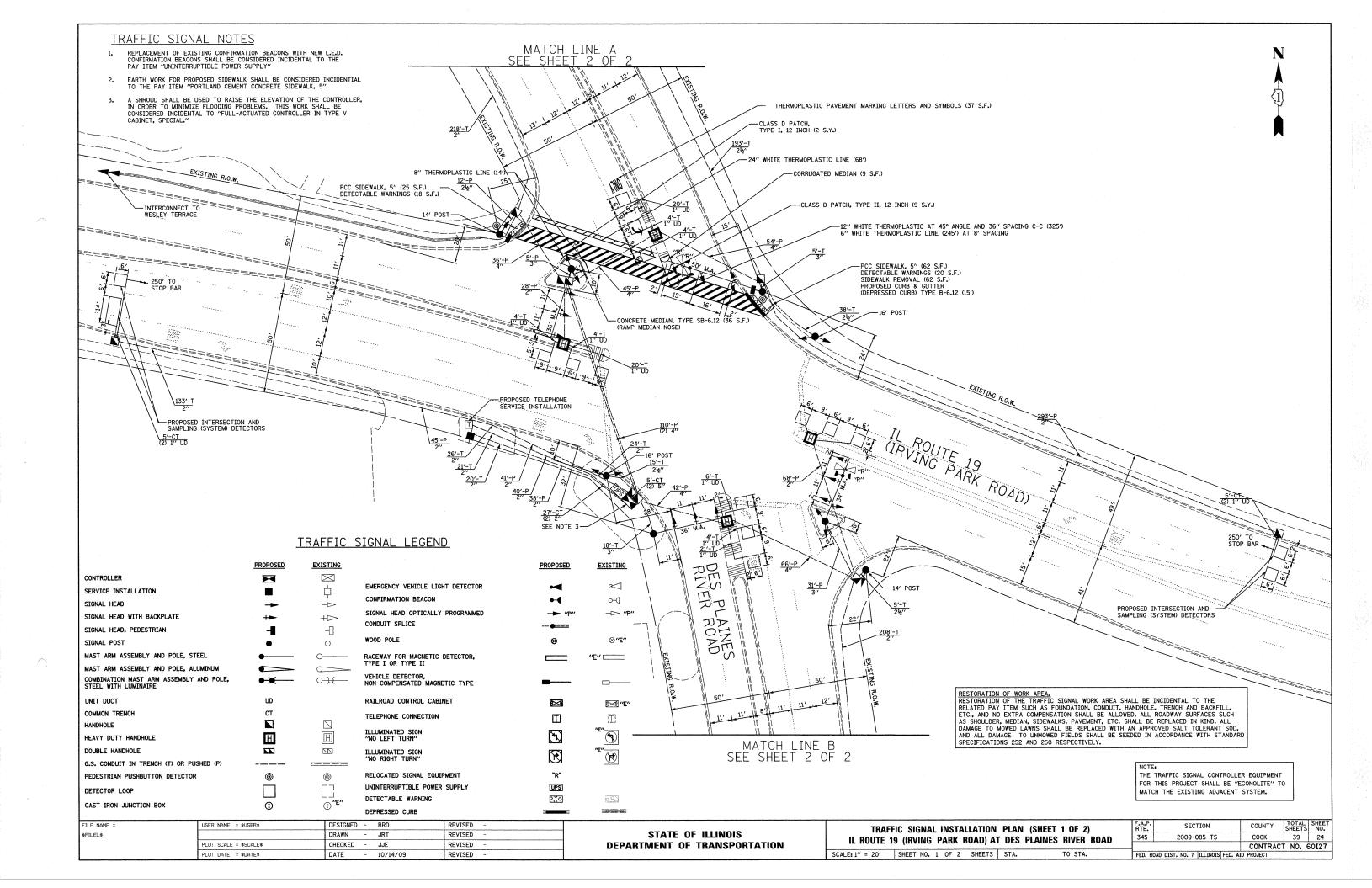
STATE OF ILLINOIS

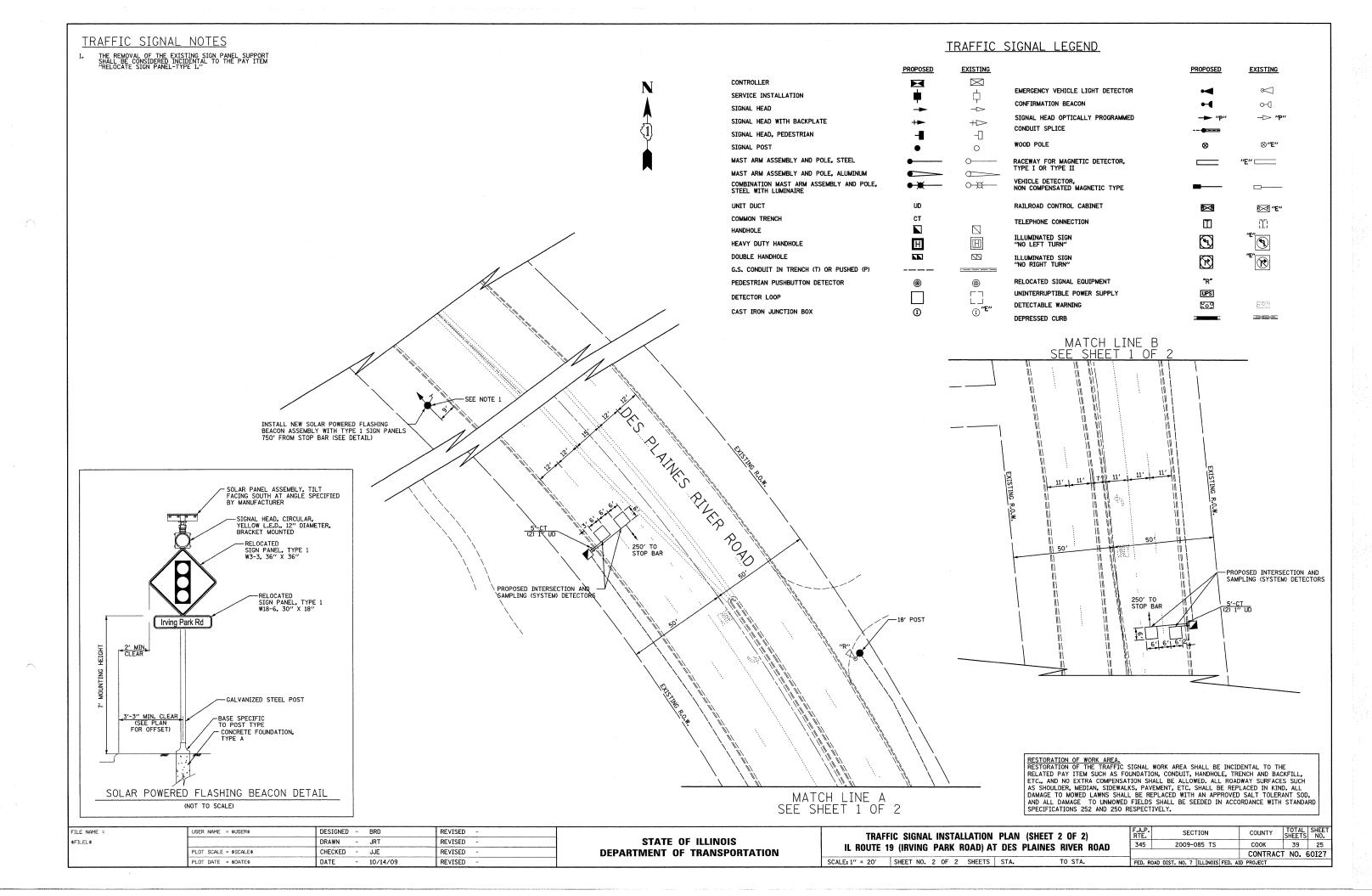
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION, SEQUENCE OF OPERATION & SCHEDULE OF QUANTITIES IL ROUTE 19 (IRVING PARK ROAD) AT WESLEY TERRACE
SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

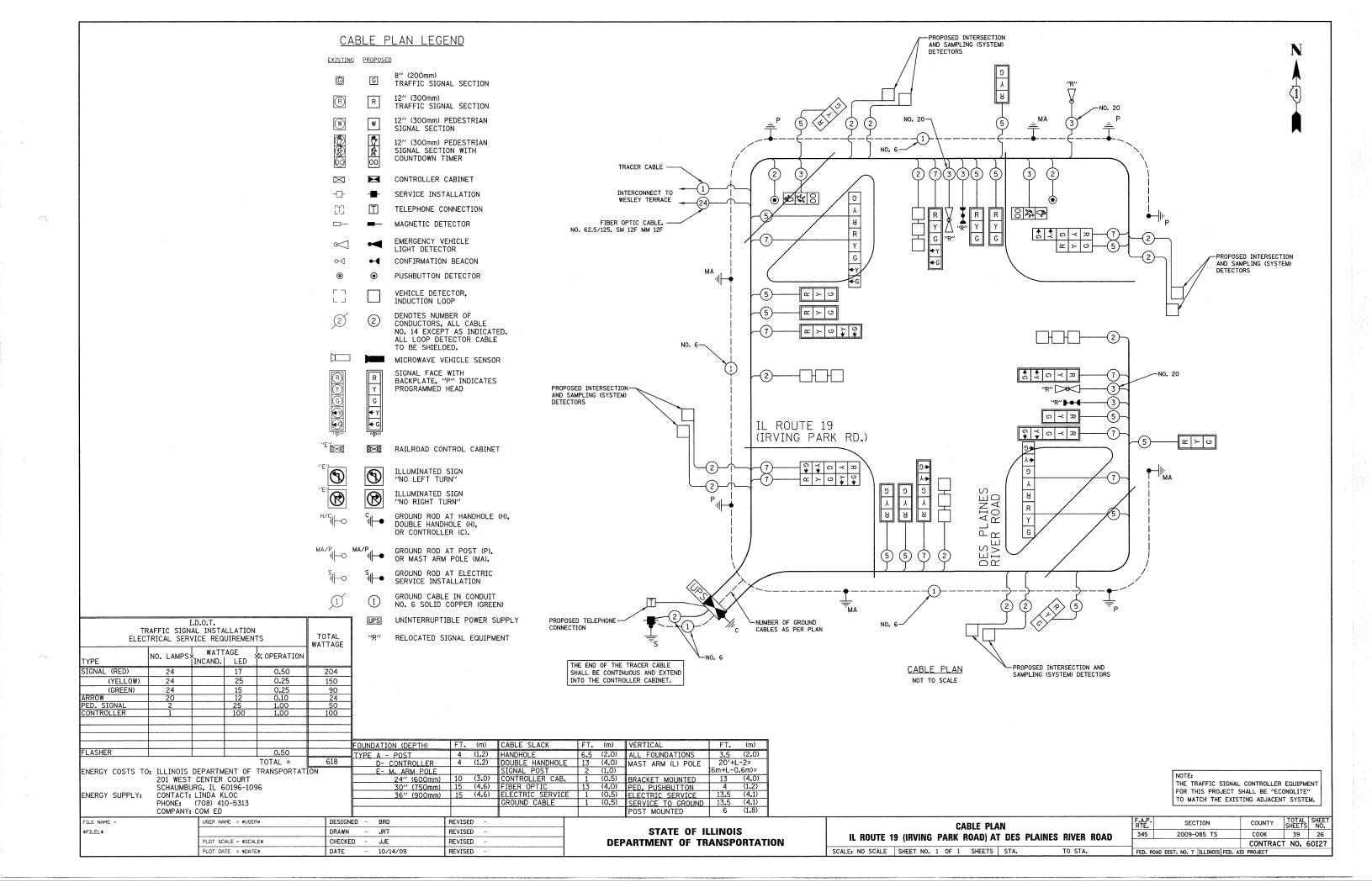
COOK 39 21 CONTRACT NO. 60127

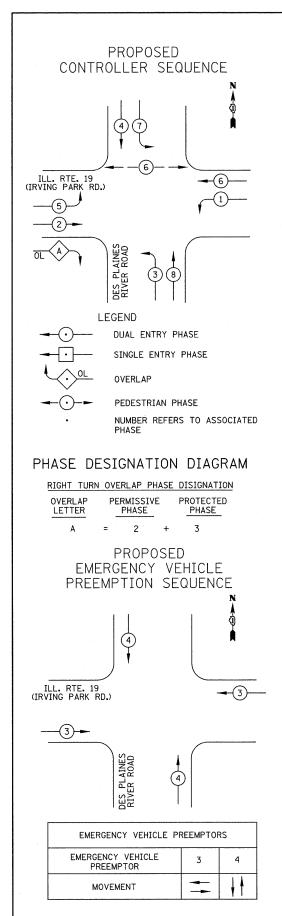












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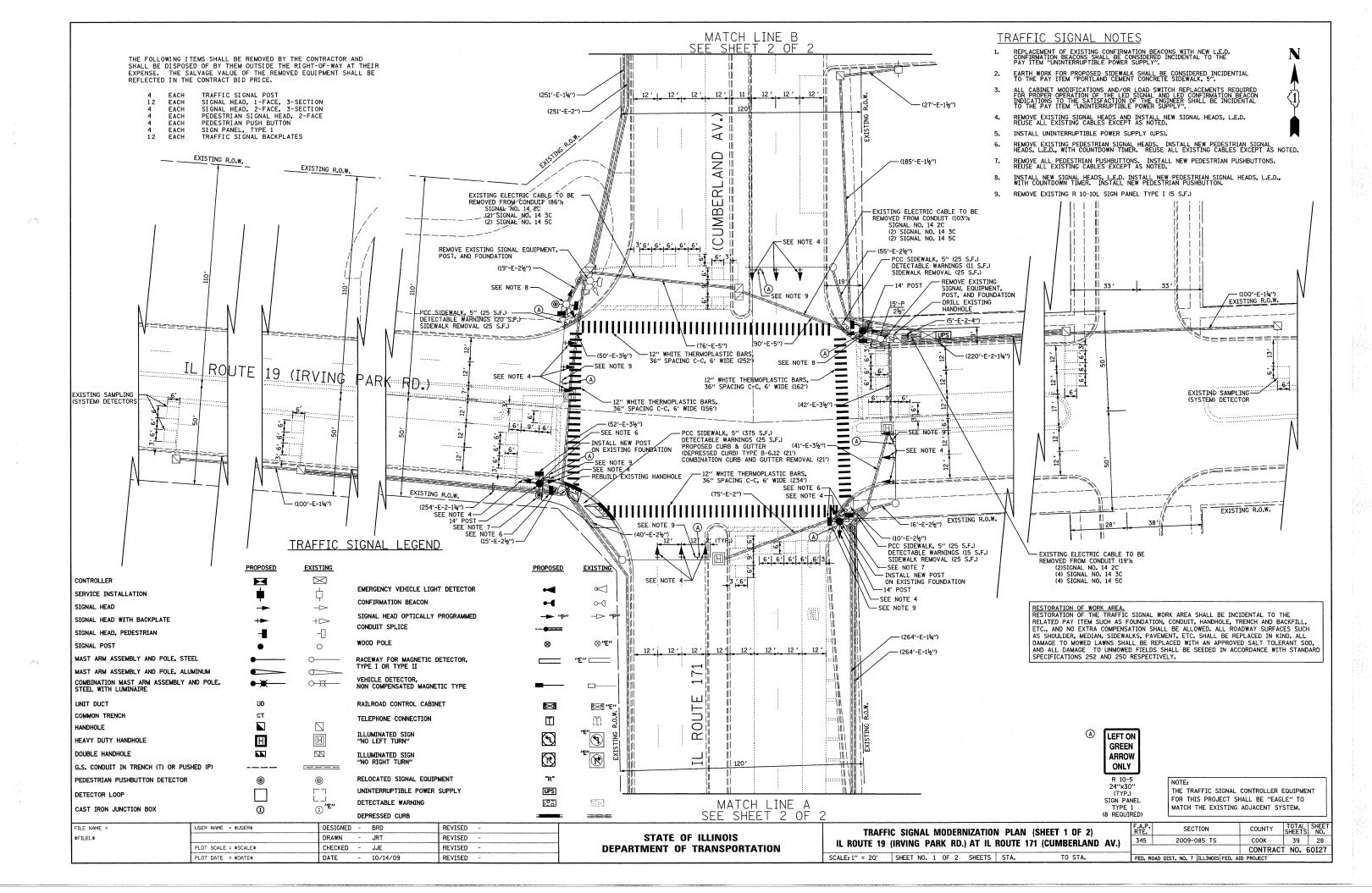
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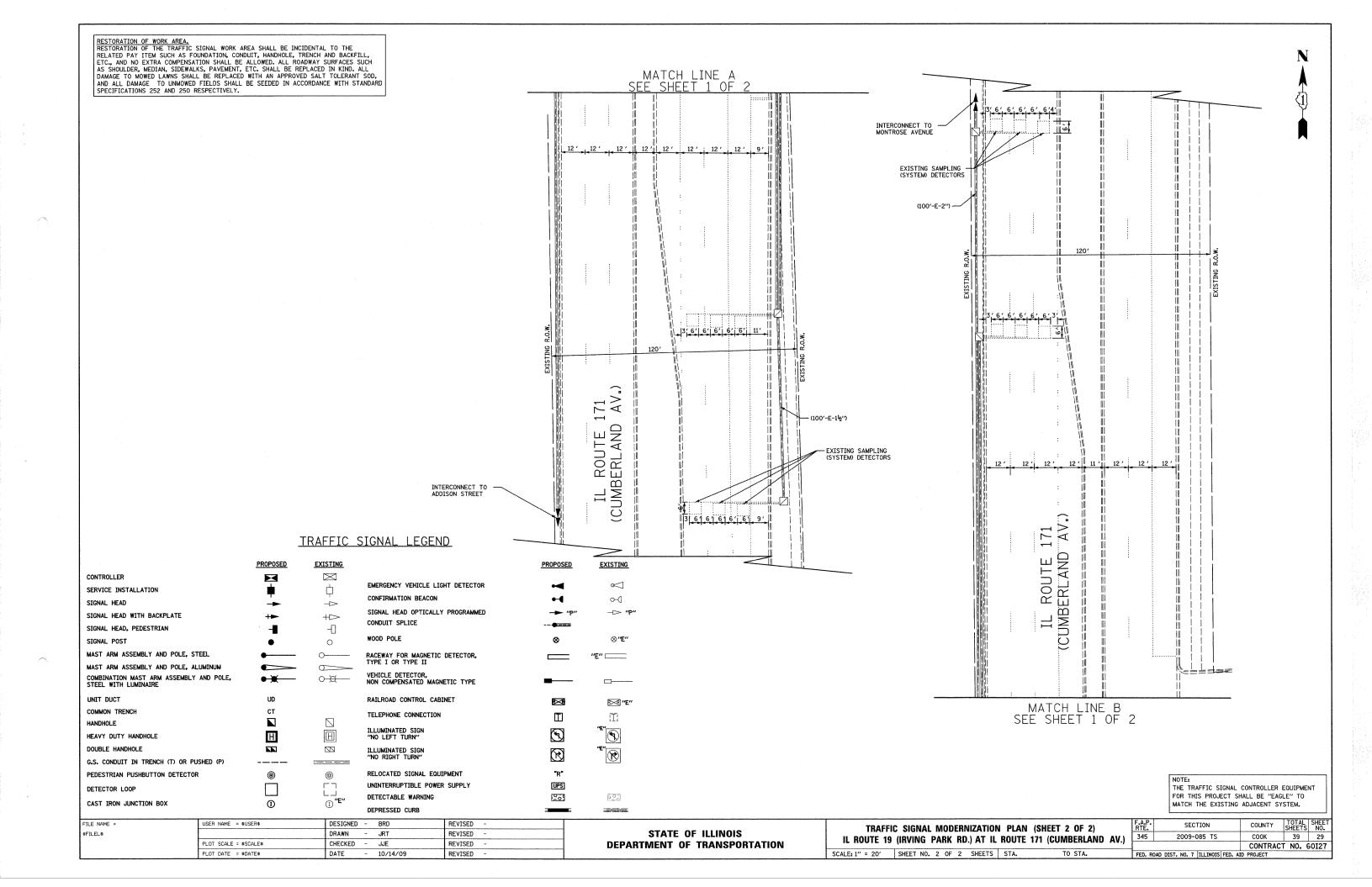
	PAY ITEM	UNIT	QUANTIT
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH DETECTABLE WARNINGS SO FT 38 COMBINATION CURB AND GUTTER REMOVAL SO FT 38 COMBINATION CURB AND GUTTER REMOVAL SO FT 35 SIDEWALK REMOVAL SO FT 36 MCDIAN REMOVAL SO FT 36 MCDIAN REMOVAL SO FT 30 SO FT 30 CLASS D PATCHES, TYPE I, 12 INCH SO 70 2 CLASS D PATCHES, TYPE II, 12 INCH SO 70 9 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6,24 FOOT 15 CONCRETE MCDIAN, TYPE SD-6,12 CONCRETE MCDIAN, TYPE SD-6,12 CONCRETE MCDIAN, TYPE SD-6,12 SO FT 36 SIGN PAREL - TYPE 2 SO FT 36 SIGN PAREL - TYPE 1 THERMOPLASTIC PAVEMENT MARKING - LINE 6" THERMOPLASTIC PAVEMENT MARKING - LINE 8" THERMOPLASTIC PAVEMENT MARKING - LINE 2" THERMOPLASTIC PAVEMENT	SUB-BASE GRANULAR MATERIAL, TYPE B 4"		9
DETECTABLE WARNINGS ORMENATION CURB AND QUITTER REMOVAL FOOT 15 SIDEMALK REMOVAL FOOT 15 SIDEMALK REMOVAL SO FT 75 MEDIAN REMOVAL SO FT 75 MEDIAN REMOVAL CLASS D PATCHES, TYPE IL 12 INCH COMBINATION CONCRETE GURB AND GUITTER, TYPE 8-6,24 FOOT 15 COMRIGHTED AND THE SHE-612 SO FT 36 CORRULATED MEDIAN SO FT 36 CORRULATED MEDIAN SO FT 36 RELOCATE SIGN PAREL - TYPE 1 THERMOPLASTIC PAYEMENT MARKING - LETTERS AND SYMBOLS SO FT 37 THERMOPLASTIC PAYEMENT MARKING - LINE 8" FOOT 144 THERMOPLASTIC PAYEMENT MARKING - LINE 8" FOOT 245 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 144 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 325 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 326 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 326 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 327 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 328 THERMOPLASTIC PAYEMENT MARKING - LINE 18" FOOT 33 CONDUIT IN TRENCH, 2" DAYEMENT MARKING - LINE 18" FOOT 33 CONDUIT IN TRENCH, 2" DAYEMENT MARKING - LINE 18" FOOT 33 CONDUIT PAYEMENT MARKING - LINE 18" FOOT 33 CONDUIT			
COMBINATION CURB AND GUTTER REMOVAL SO FT TS SIDEMALK REMOVAL SO FT AND AND REMOVAL SO FT 108 CLASS D PATCHES, TYPE I, 12 INCH SO YD 2 CLASS D PATCHES, TYPE II, 12 INCH SO YD 2 CLASS D PATCHES, TYPE II, 12 INCH SO YD 2 CLASS D PATCHES, TYPE II, 12 INCH SO YD 2 COMBINATION CONCRETE CUBB AND GUTTER, TYPE B-6,24 FOOT SO YD 3 CONCRETE MEDIAN, TYPE SB-6,12 CONCRUGATED MEDIAN SO FT 36 CORRUGATED MEDIAN SO FT 36 SIGN PANEL - TYPE 2 SO FT 36 SIGN PANEL - TYPE 2 SO FT 37 THERMOPLASTIC PAYEMENT MARKING - LINE 6" THERMOPLASTIC PAYEMENT MARKING - LINE 6" THERMOPLASTIC PAYEMENT MARKING - LINE 2" FOOT 325 THERMOPLASTIC PAYEMENT MARKING - LINE 2" THERMOPLASTIC PAYEMENT MARKING - LINE 2" THERMOPLASTIC PAYEMENT MARKING - LINE 2" FOOT 325 CONDULT IN TRENCH, 2" DIA., GALVANIZED STEEL FOOT 526 CONDULT IN TRENCH, 2" DIA., GALVANIZED STEEL FOOT 527 CONDULT IN TRENCH, 2" DIA., GALVANIZED STEEL FOOT 528 CONDULT IN TRENCH, 2" DIA., GALVANIZED STEEL FOOT 529 CONDULT PUSHED, 2" DIA., GALVANIZED STEEL FOOT 520 CONDULT PUSHED, 2" DIA., GALVANIZED STEEL FOOT 521 CONDULT PUSHED, 2" DIA., GALVANIZED STEEL FOOT 522 CONDULT PUSHED, 3" DIA., GALVANIZED STEEL FOOT 523 CONDULT PUSHED, 3" DIA., GALVANIZED STEEL FOOT 524 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 525 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 526 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 527 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 528 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 529 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 520 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 520 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 521 CONDULT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 52			
SIDEMALK REMOVAL			
MEDIAN REMOVAL CLASS D PATCHES, TYPE I, 12 INCH SO YD 2 CLASS D PATCHES, TYPE II, 12 INCH SO YD 9 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT 15 CONCRETE MEDIAN, TYPE SB-6.12 SO FT 36 CORRUGATE MEDIAN SO FT 36 SO FT 36 SOR FT 37 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS SO FT 37 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 14 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 14 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 14 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 14 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 14 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 16 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 25 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 25 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 25 THERMOPLASTIC PAVEMENT MARKING - LINE 2" FOOT 26 CONDULT IN TERNOCH, 2" DIA., GALVANIZED STEEL CONDULT IN TERNOCH, 2" DIA., GALVANIZED STEEL FOOT 704 CONDULT IN TERNOCH, 2" DIA., GALVANIZED STEEL FOOT 23 CONDULT IN TERNOCH, 3" DIA., GALVANIZED STEEL FOOT 53 CONDULT PUSHED, 2" L'2" DIA., GALVANIZED STEEL FOOT 53 CONDULT PUSHED, 2" DIA., GALVANIZED STEEL FOOT 68 PARVY-DUTY HANDHOLE EACH 4 FERNY-DUTY HANDHOLE EACH 7 FERNY-DUTY HANDHOLE EACH 7 FERNY-DUTY HANDHOLE EACH 7 FERNY-DUTY HANDHOLE EACH 9 FOOT 68 FOO			
CLASS D PATCHES, TYPE I, 12 INCH CLASS D PATCHES, TYPE II, 12 INCH SO YD 2 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 CORRIGATED MEDIAN SO FT 35 FT 36 CORRUGATED MEDIAN SO FT 36 FT 37 SIGN PANIEL - TYPE S-6.12 SO FT 37 SIGN PANIEL - TYPE 1 SO FT 38 FT 38 FELOCATE SIGN PANIEL - TYPE 1 THERMOPLASTIC PAYEMENT MARKING - LINE B'' THERMOPLASTIC PAYEMENT MARKING - LINE B''' THERMOPLASTIC PAYEMENT MARKING - LINE B''' THERMOPL			
CLASS D PATCHES, TYPE II, 12 INCH COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT 15 CONCRETE MEDIAN, TYPE SB-6.12 CORRIGATED MEDIAN SO FT 36 CORRIGATED MEDIAN SO FT 36 CORRIGATED MEDIAN SO FT 36 SIGN PAREL - TYPE 2 SO FT 58 REI_COATE SIGN PAREL - TYPE 1 SO FT 58 REI_COATE SIGN PAREL - TYPE 1 THERMOPLASTIC PAYEMENT MARKING - LETTERS AND SYMBOLS SO FT 37 THERMOPLASTIC PAYEMENT MARKING - LINE B" THERMOPLASTIC PAYEMENT MARKING - LINE 12" FOOT 14 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 56 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 TO 57 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 TO 58 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 TO 58 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 TO 58 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 TO 58 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 TO 58 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 THERMOPLASTIC PAYEMENT MARKING - LINE 24" FOOT 57 THERMOPLA			
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 CONRICHE MEDIAN, TYPE 8-6.12 SO FT 36 CORRIGATED MEDIAN SO FT 9 SO FT 9 SION PANEL - TYPE 1 SO FT 13 THERMOPLASTIC PAYEMENT MARKING - LETTERS AND SYMBOLS SO FT 13 THERMOPLASTIC PAYEMENT MARKING - LETTERS AND SYMBOLS SO FT 13 THERMOPLASTIC PAYEMENT MARKING - LINE 8" FOOT 245 THERMOPLASTIC PAYEMENT MARKING - LINE 8" FOOT 245 THERMOPLASTIC PAYEMENT MARKING - LINE 2" FOOT 325 THERMOPLASTIC PAYEMENT MARKING - LINE 2" FOOT 325 THERMOPLASTIC PAYEMENT MARKING - LINE 12" FOOT 325 THERMOPLASTIC PAYEMENT MARKING - LINE 12" FOOT 326 PAYEMENT MARKING REMOVAL CONDUIT IN TERNCH, 2" DIA., GALVANIZED STEEL FOOT 251 CONDUIT IN TERNCH, 2" DIA., GALVANIZED STEEL FOOT 251 CONDUIT IN TERNCH, 3" OLA, GALVANIZED STEEL FOOT 252 CONDUIT IN TERNCH, 3" OLA, GALVANIZED STEEL FOOT 100 CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL FOOT 100 CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL FOOT 100 CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 100 TOOT 100 CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 100 TOOT 100 CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL FOOT 100 TOOT 100			
CORRUIGATED MEDIAN SO FT 9		FOOT	15
SIGN PANEL - TYPE 2	CONCRETE MEDIAN, TYPE SB-6.12		
RELOCATE SIGN PANEL - TYPE 1 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS SO FT 37 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 245 THERMOPLASTIC PAVEMENT MARKING - LINE 8" FOOT 325 THERMOPLASTIC PAVEMENT MARKING - LINE 8" FOOT 325 THERMOPLASTIC PAVEMENT MARKING - LINE 8" FOOT 325 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 325 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 326 PAVEMENT MARKING REMOVAL SO FT 311 CONDUIT IN TRENCH, 2" DIA, CALVANIZED STEEL FOOT 251 CONDUIT IN TRENCH, 2" DIA, CALVANIZED STEEL FOOT 251 CONDUIT IN TRENCH, 2" DIA, CALVANIZED STEEL FOOT 251 CONDUIT PUSHED, 2" DIA, CALVANIZED STEEL FOOT 300 CONDUIT PUSHED, 2" DIA, GALVANIZED STEEL FOOT 360 CONDUIT PUSHED, 3" DIA, GALVANIZED STEEL FOOT 360 THERMOPLE STEEL FOOT 360 THE THERMOPLE STEEL FOOT 360 TH			
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CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER FOOT 15 SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH 9 SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 5 SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH 1 SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED EACH 1 SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 1 SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 1 SPEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 2 INDUCTIVE LOOP DETECTOR EACH 12 DETECTOR LOOP, TYPE I FOOT 608 PEDESTRIAN PUSH-BUITTON EACH 1 SECH 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION EACH 1 SECH 2 SIGNAL PUSH-BUITON EACH 1 SECH 3 SERVICE XISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 1 SEMOVE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH 1 SEMOVE EXISTING HANDHOLE EACH 1 SERMOVE EXISTING HANDHOLE EACH 1 SERMOVE EXISTING CONCRETE FOUNDATION EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 SUBJECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT			
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH 2 SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED EACH 5 SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED EACH 1 SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 3 PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED EACH 3 PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 12 INDUCTIVE LOOP DETECTOR EACH 12 DETECTOR LOOP, TYPE I FOOT 608 PEDESTRIAN PUSH-BUTTON EACH 12 TEMPORARY TRAFFIC SIGNAL INSTALLATION EACH 1 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 3 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH 1 REMOVE EXISTING THAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING THAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 SERVICE INSTALLATION, POLE MOUNTED EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINTERRUPTIBLE POWER SUPPLY EACH 1 UNINTERRUPTIBLE POWER SUPPLY EACH 1 LURINTERRUPTIBLE POWER SUPPLY EACH 1 LURINTERRUPTIBLE POWER SUPPLY EACH 1 LECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER		
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH 5 SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED EACH 1 SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED EACH 1 SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 3 PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 2 DETECTOR LOOP, TYPE I FOOT 608 PEDESTRIAN PUSH-BUTTON EACH 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION EACH 1 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 1 REMOVE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 10 SERVICE INSTALLATION, POLE MOUNTED EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINITERRUPTIBLE POWER SUPPLY EACH 1 LEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINITERRUPTIBLE POWER SUPPLY EACH 1 EACH 1 EACH 1 EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 EACH 1 EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 EACH 1 EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 E			
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DETECTOR LOOP, TYPE I FOOT 608 PEDESTRIAN PUSH-BUTTON EACH 2 PEDESTRIAN PUSH-BUTTON EACH 2 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 1 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 1 REMOVE EXISTING FRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 14 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINITERRUPTIBLE POWER SUPPLY EACH 1 LUNINITERRUPTIBLE POWER SUPPLY EACH 1 EACH 1 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON EACH 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION EACH 1 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 3 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 14 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINTERRUPTIBLE POWER SUPPLY EACH 1 LURINTERRUPTIBLE POWER SUPPLY EACH 1 LECTRIC CABLE IN CONDUIT, ROUNDING, NO. 6 IC FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038	INDUCTIVE LOOP DETECTOR		
TEMPORARY TRAFFIC SIGNAL INSTALLATION EACH 1 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT EACH 3 RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING HANDHOLE EACH 14 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINTERRUPTIBLE POWER SUPPLY EACH 1 LUKINTERRUPTIBLE POWER SUPPLY EACH 1 LECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH REMOVE EXISTING THAFFIC SIGNAL EQUIPMENT REMOVE EXISTING HANDHOLE EACH 14 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 11 SERVICE INSTALLATION, POLE MOUNTED EACH 11 UNINITERRUPTIBLE POWER SUPPLY EACH 12 LECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC EOCT 1038 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING HANDHOLE EACH 14 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINTERRUPTIBLE POWER SUPPLY EACH 1 LECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
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REMOVE EXISTING HANDHOLE EACH 14 REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINITERRUPTIBLE POWER SUPPLY EACH 1 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
REMOVE EXISTING CONCRETE FOUNDATION EACH 10 TEMPORARY TRAFFIC SIGNAL TIMING EACH 1 SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINTERRUPTIBLE POWER SUPPLY EACH 1 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
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SERVICE INSTALLATION, POLE MOUNTED EACH 1 UNINITERRUPTIBLE POWER SUPPLY EACH 1 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
UNINTERRUPTIBLE POWER SUPPLY EACH 1 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 IC FOOT 983 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED FOOT 1038			
			1038
RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE EACH 14 POST-MOUNTED FLASHING BEACON - SOLAR-POWERED INSTALLATION EACH 1	RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE	EACH	14

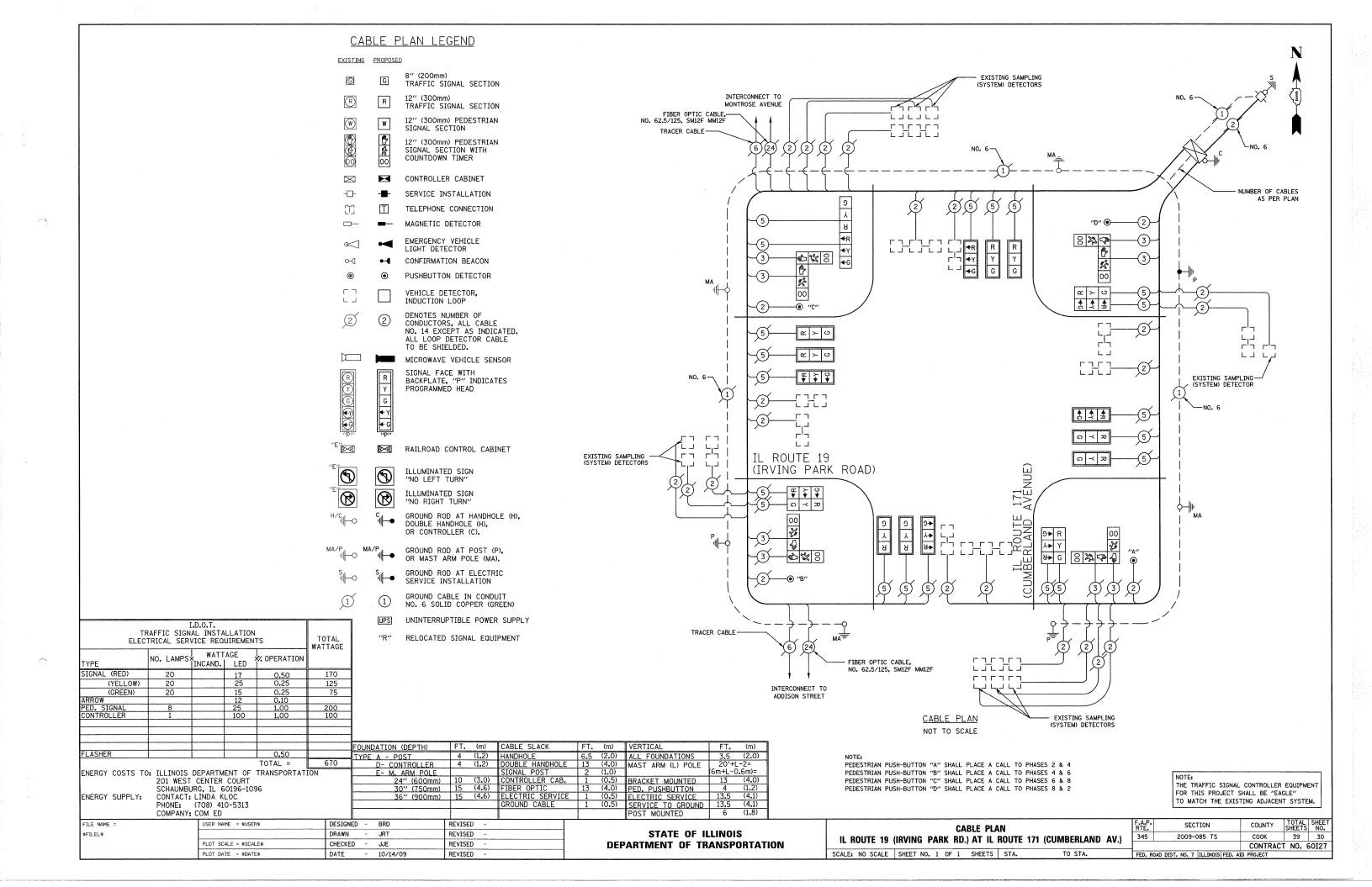
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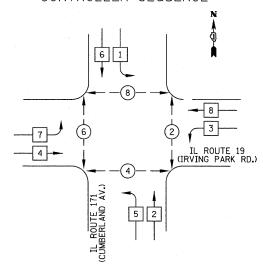
EMERGENCY VEHICLE PREEMPTION SEQUENCE, PHASE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES	345	2009-085 TS	СООК	39	27
IL ROUTE 19 (IRVING PARK ROAD) AT DES PLAINES RIVER ROAD			CONTRAC	T NO. 6	50127
SCALE NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	EED DO	AD DICT NO 7 THE THOTE EED A	ID DDO IECT		







EXISTING AND PROPOSED CONTROLLER SEQUENCE



EGEND



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PEDESTRIAN PHASE

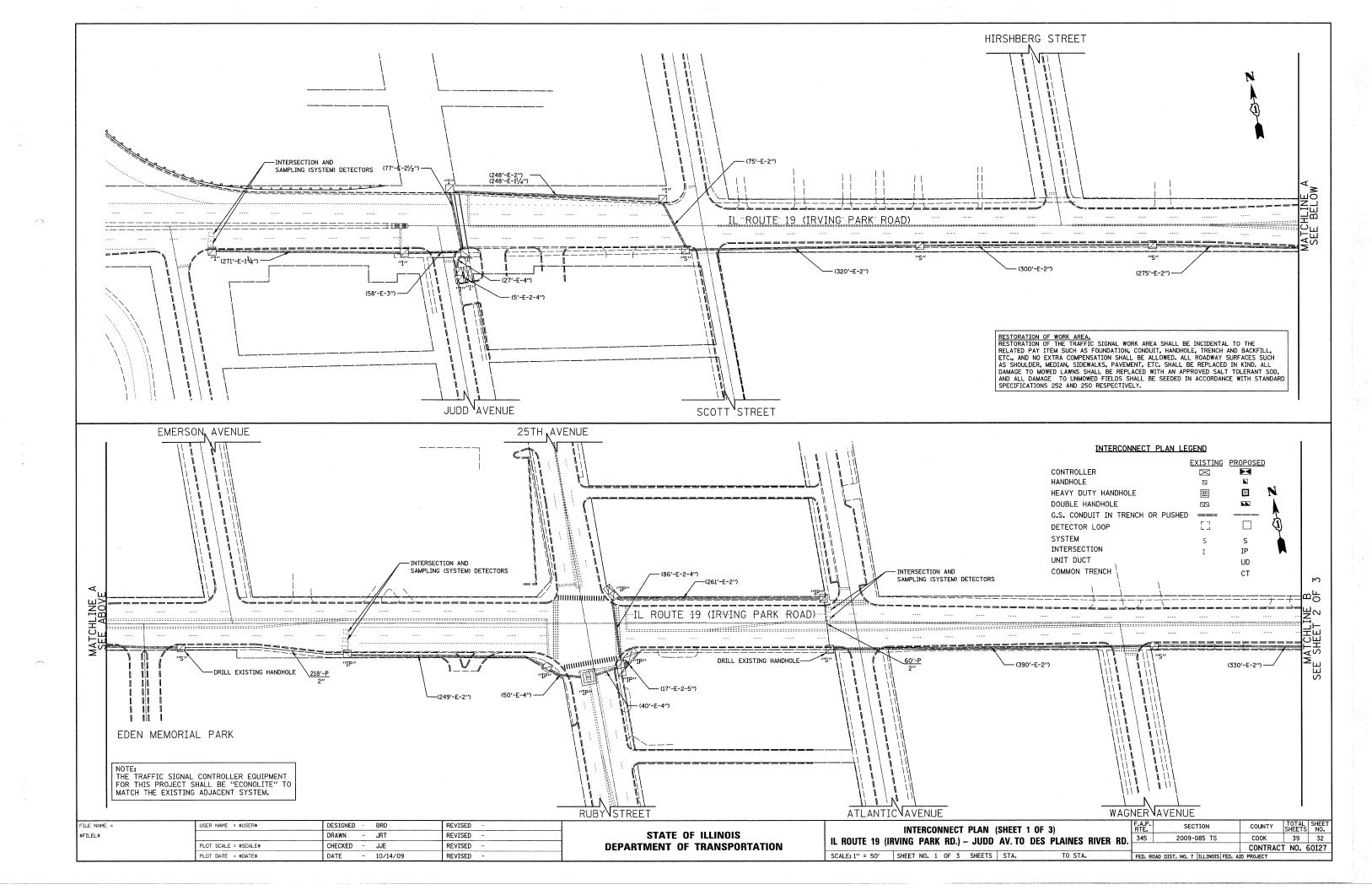
NUMBER REFERS TO ASSOCIATED PHASE

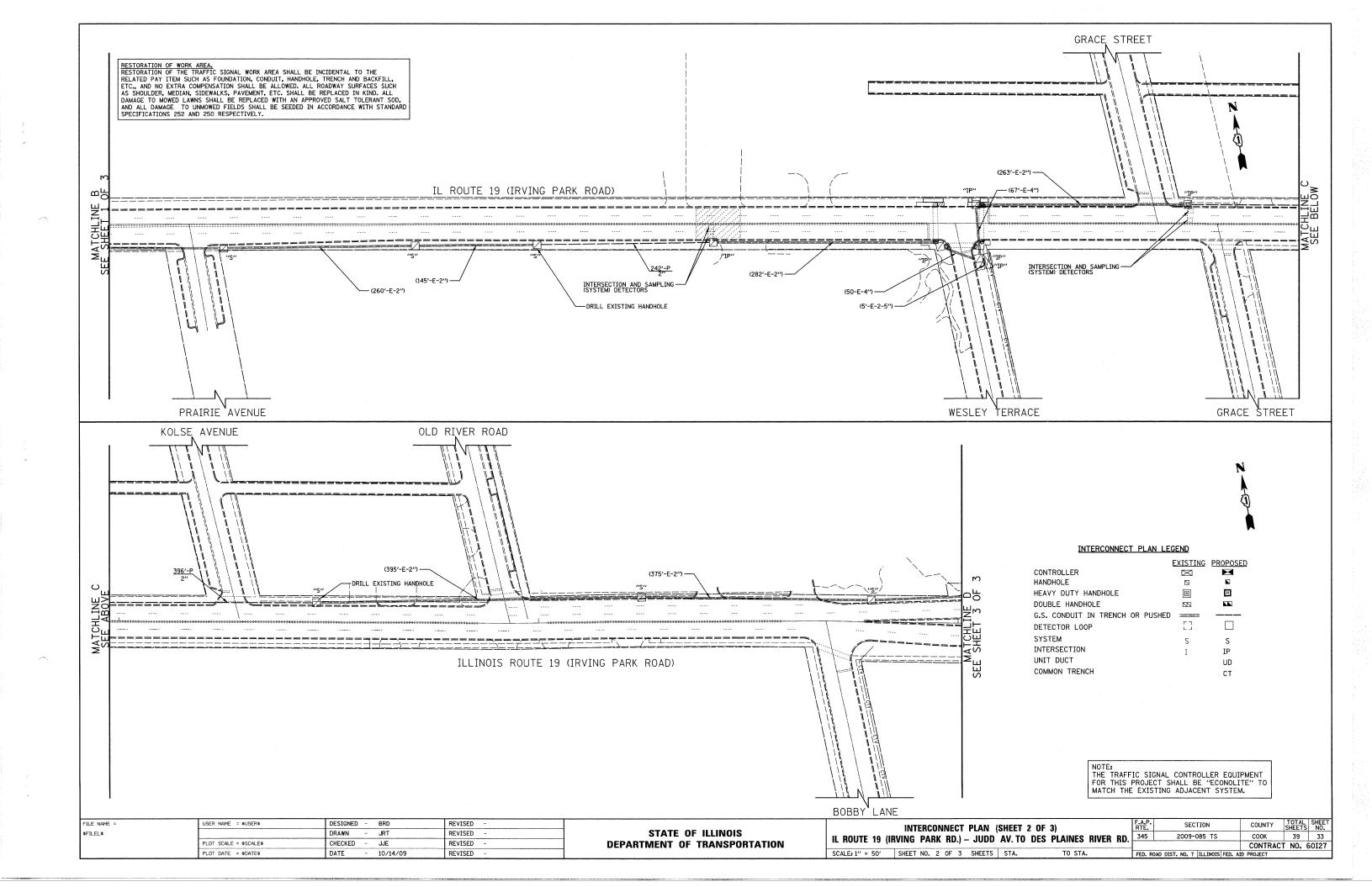
PHASE DESIGNATION DIAGRAM

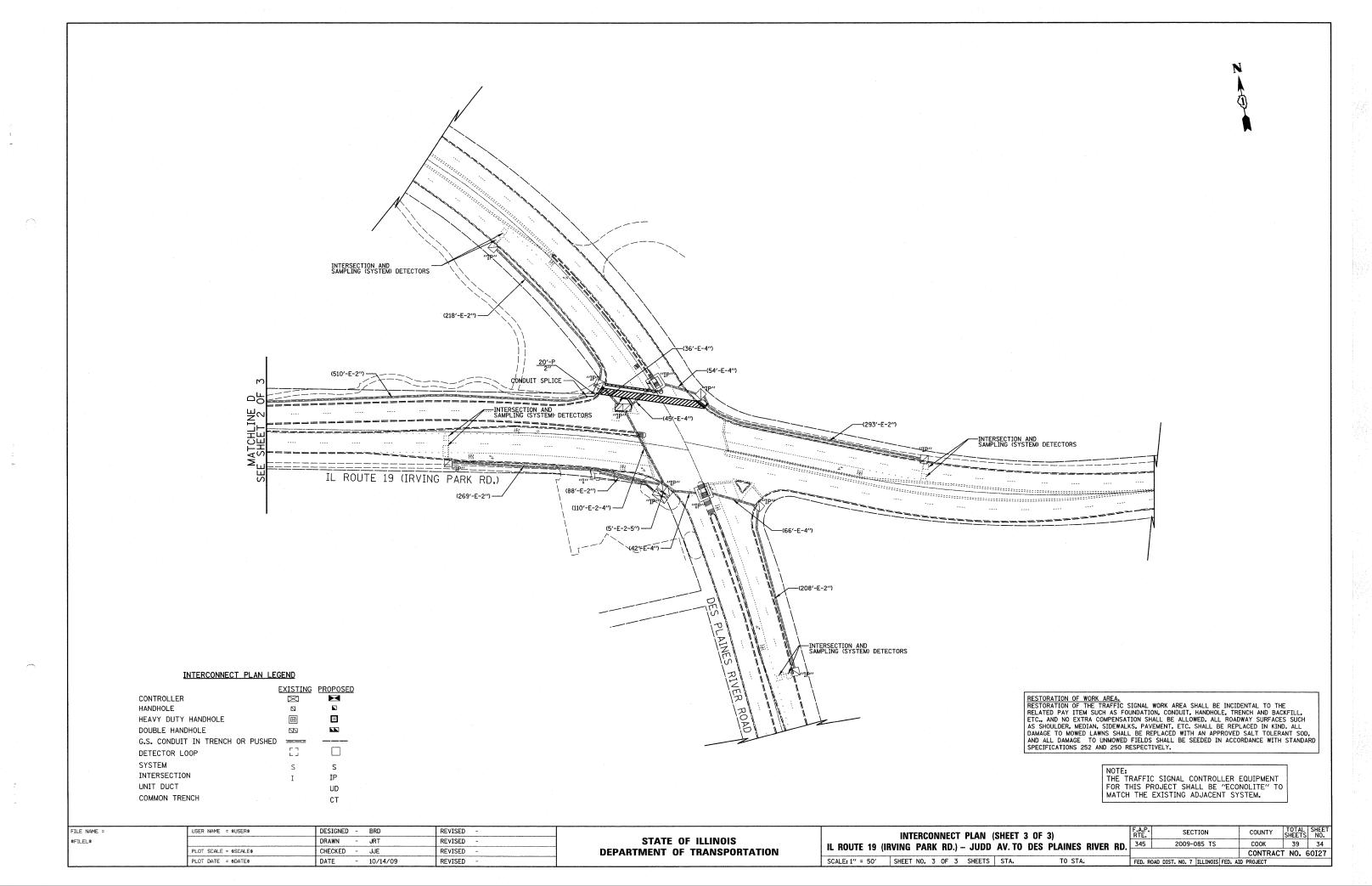
SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	50
PROTECTIVE COAT	SQ YD	55
PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	450
DETECTABLE WARNINGS	SQ FT	71
COMBINATION CURB AND GUTTER REMOVAL	FOOT	21
SIDEWALK REMOVAL	SQ FT	75
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	21
SIGN PANEL - TYPE 1	SQ FT	40
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	290
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	604
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	F00T	616
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1455
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	21
REBUILD EXISTING HANDHOLE	EACH	1
RETROREFLECTIVE TRAFFIC SIGNAL BACKPLATE	EACH	12

FILE NAME =	USER NAME = \$USER\$	DESIGNED - BRD	REVISED -
\$FILEL\$		DRAWN - JRT	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - JJE	REVISED -
	PLOT DATE = \$DATE\$	DATE - 10/14/09	REVISED -

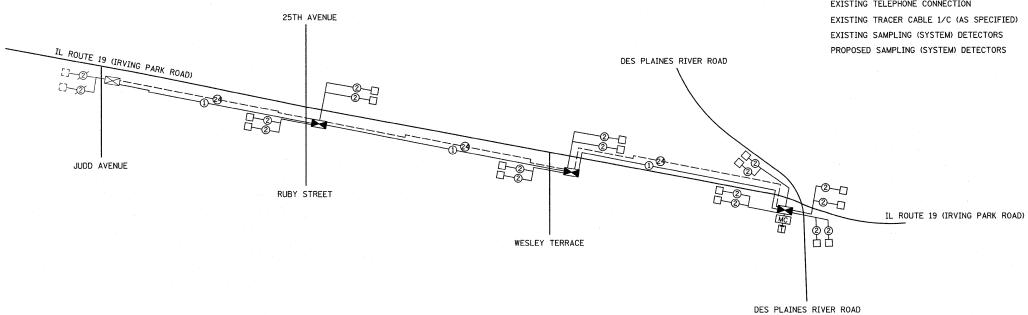
PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL ROUTE 19 (IRVING PARK RD.) AT IL ROUTE 171 (CUMBERLAND AV.)	345	2009-085 TS	COOK	39	31
			CONTRAC	T NO. 6	50I27
SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. AI	D PROJECT		







SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	936
CONDUIT SPLICE	EACH	1
DRILL EXISTING HANDHOLE	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3854
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	6498
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	6570
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	3866

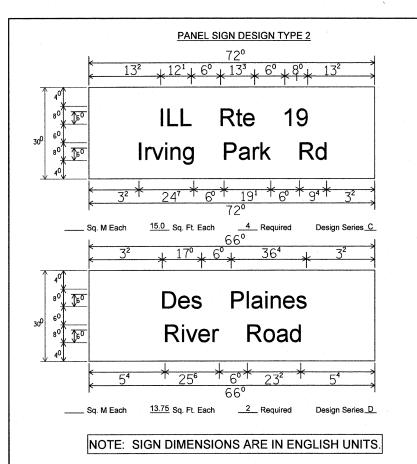


INTERCONNECT	SCHEMATIC	LEGEND

INTERCONNECT SCHEMATIC LECEND	
PROPOSED INTERSECTION CONTROLLER	
EXISTING INTERSECTION CONTROLLER	
PROPOSED MASTER CONTROLLER	MC
EXISTING MASTER CONTROLLER	EMC
MASTER MASTER CONTROLLER	MMC
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS	[]
INTERCONNECT CABLE - NO. 62.5/125 24F FIBER OPTIC CABLE	
INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	(2)
INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED	
EXISTING INTERCONNECT CABLE - NO. 62.5/125 24F FIBER OPTIC CABLE	
EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	-1-12
EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED	<u> </u>
TELEPHONE CONNECTION	
PROPOSED TRACER CABLE NO. 14 1C	-0-
EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS	P
EXISTING TELEPHONE CONNECTION	H
EXISTING TRACER CABLE 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS	ES
PROPOSED SAMPLING (SYSTEM) DETECTORS	ĒŠ

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = \$USER\$	DESIGNED - BRD	REVISED -		INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - JRT	REVISED -	STATE OF ILLINOIS	IL ROUTE 19 (IRVING PARK RD.) – JUDD AV. TO DES PLAINES RIVER RE	345 2009-085 TS	COOK 39 35
	PLOT SCALE = \$SCALE\$	CHECKED - JJE	REVISED -	DEPARTMENT OF TRANSPORTATION		-	CONTRACT NO. 60127
	PLOT DATE = \$DATE\$	DATE - 10/14/09	REVISED -		SCALE: NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. A	AID PROJECT



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS.

GENERAL NOTES

- 1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- 2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- 3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- 4. ALL BORDERS SHALL BE 3/4 " WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- 5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - * A.K.T. CORPORATION
 - SCHAUMBURG, IL
 - * TUCKER COMPANY, INC. WAUWATOSA, WI
 - * WESTERN TRAFFIC CONTROL, INC. CICERO, IL

PARTS LISTING:

SIGN CHANNEL

PART #HPN053 (MED. CHANNEL)

SIGN SCREWS

1/4 " × 14 × 1" H.W.H #3 SELF TAPPING WITH NEOPRENE WASHER

BRACKETS

PART #HPNO34 (UNIVERSAL)

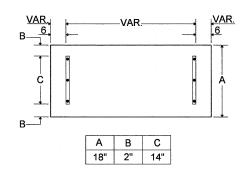
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S

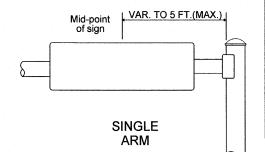
APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

* AMERICAN FABRICATION CO.

CHICAGO HEIGHTS, IL

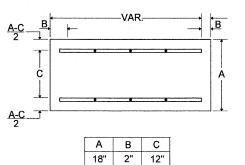
SUPPORTING CHANNELS



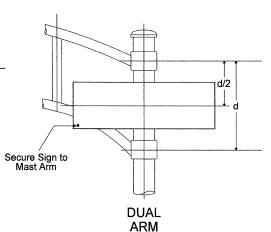


SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

SUPPORTING CHANNELS



30" 2" 22"



UPPER TO LOWER CASE SPACING CHART 8-6 INCH SERIES "C & D"

			SECOND LETTER																	
		a c		- 1 1 m n b 1			Imnp fw			W			s t		v y		x		Z	<u>.</u>
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	В	14	1 ⁵	2 ⁰	2 ¹	14	1 ⁵	11	12	14	1 ⁵	1 ²	14	1 ²			17			
l	CEG	14	1 ⁵	2 ⁰	2 ¹	12	14			1 ²	14	1 ²	14	14	1 ⁵	14	1 ⁵			
	DOQR	14	1 ⁵	20	2 ¹	14	1 ⁵	06		1 ²	14	12	1,4	14		14	15			
	F	0 ⁵	06	14	1 ⁵	06	1 ⁰	05	06		10	06	10	06	10	11	1 ²			
	HIMN	2 ⁰	2 ¹	2 ²	2 ⁴	2 ⁰	2 ¹	14			17		17	2 ⁰	2 ¹	20	2 ¹			
	JU	2 ⁰	2 ¹	2 ⁰	2 ¹	16	17	14	15	1 ⁶	17	1 ⁶	17	1 ⁶	17	20	21			
	K L	11	1 ²	1 ⁶				05		11	1 ²	11	12	11	12	1 ²	14			
	Р	12	14	14		12				11	12	11	12	1 ²		1 ²	14			
	S	1 ²	14	16			14			1 ²	14		14	1 ²	14	12	14			
	Т	11	12	16			10	06		11	12	11	1 ²	11	12	1 ²	14			
	٧	06	10	14	1 ⁵		1 ²	06		1 ²	14	1 ²	14				14			
-	Y	0 ⁵	06	14	1 ⁵		. 1 ⁰	0 ⁵	06				06				1 ²			
	Z	16	17	2 ²	2 ⁴	16	17	1 ²	14	16	17	1 ⁶	17	1 ⁶	17	2 ⁰	21			

LOWER CASE TO LOWER CASE

SPACING CHART 6 INCH SERIES "C" & "D"

		SECOND LETTER															
F		a c g c		bh Im r	np	f	w	j		s	t	٧	У	>	(Z	
I	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
R	adgh ijlm nqu	16	1 ⁷	2 ²	24	16	1 ⁷	1 ²	14	14	1 ⁵	14	1 ⁵	16	1 ⁷	16	17
Т	bfkops	1 ²	14	1 ⁶	17	11	1 ²	0 ⁵		11	1 ²	11	12	1 ²	14	1 ²	14
L	се	12	14	1 ⁶	17	12	14	06		1 ²	14		14	1 ²	14	1 ²	14
E	r	06	10	1 ²	14	06		03	03	0 ⁵	06	0 ⁵	06	06	10	06	10
Т	† z	12	14	1 ⁶	17	1 ²	14	06		11		11	1 ²	1 ²	14	12	14
T	νу	11	12	14	1 ⁵	11	1 ²	0 ⁵			10	06	10	11	1 ²	11	12
E	w	11	1 ²	14	1 ⁵	11	1 ²	05	06		1 ²	11	1 ²	11	1 ²	1 ²	14
R	×	12	14	1 ⁶	17	11	1 ²	0 ⁵	0 ⁶	11	12	11	1 ²	11	12	1 ²	14

NUMBER TO NUMBER

SPACING CHART 8 INCH SERIES "C" & "D"

									SE	CON	D N	UME	3ER								
F		0		1	l	2		3		4		5		6		7	,	8		9)
I	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
R	0 9	16	1 ⁷	1 ⁶	17	14	15	1 ²	14	14	1 ⁵	14	1 ⁵	16	17	1 ²	14	16	17	16	17
T	1	2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	17	14	1 ⁵	20	2 ¹	20	2 ¹	14	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
N	2 3 4	14	1 ⁵	14	1 ⁵	14	1 ⁵	1 ²	14	12	14	14	1 ⁵	14	1 ⁵	11	1 ²	16	17	14	15
U M	5	14	1 ⁵	14	1 ⁵	14	1 ⁵	11	12	11	1 ²	14	1 ⁵	14	1 ⁵	11	1 ²	14	1 ⁵	14	1 ⁵
В	6	1 ⁶	17	14	1 ⁵	14	15	12	15	1 ²	14	14	15	14	1 ⁵	11	1 ²	14	1 ⁵	14	1 ⁵
E R	7	12	14	12	14	14	15	12	1 ⁵	05	06	12	14	14	15	11	12	14	15	12	14
	8	16	17	16	17	14	1 ⁵	12	1 ⁵	12	14	14	1 ⁵	16	17	12	14	1 ⁶	17	14	1 ⁵

UPPER AND LOWER CASE LETTER WIDTHS

EXAMPLE. 23 DENOTES 3/8"

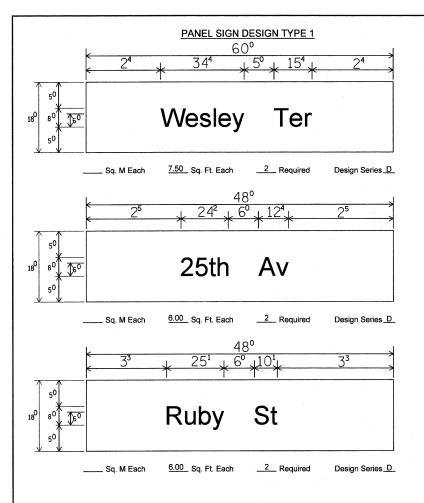
L	6 INCH U		8 INCH		E T T E R	6 INCH CASE LE	
	CASE LE		CASE LE	TIERS	- "T_		
E R	SER	IES	SEF	RIES	E _p	SEF	RIES
E T E R S	С	D	С	D	"s	С	D
A	, 3 ⁶	5 ⁰	5 ⁰	65	a	35	4 ²
В	3 ²	4 ⁰	4 ³	53	ь	3 ⁵	42
С	3 ²	4 ⁰	4 ³	5 ³	С	3 5	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	42
E	3 ⁰	3 ⁵	40	47	е	3 ⁵	4 ²
F	3 ⁰	3 ⁵	40	47	f	2 ³	2 ⁶
G	3 ²	4 ⁰	43	5 ³	g	3 ⁵	4 ²
. н	32	40	43	53	h	3 ⁵	42
I	07	07	11	12	ī	11	11
J	30	3 ⁶	40	. 5 ⁰	1	20	2 ²
К	3 ²	4 ¹	43	5 ⁴	k	3 ⁵	4 ²
L	3 ⁰	35	40	47	ı	11	1 1
. м	37	4 ⁵	5 ¹	61	m	6 ⁰	7 ⁰
N	3 ²	40	43	5 ³	n	3 ⁵	42
0	3 ⁴	42	45	5 ⁵	0	36	43
Р	32	40	43	5 ³	P	3 ⁵	42
Q	34	42	45	5 ⁵	q	3 ⁵	42
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²
s	3 ²	40	4 ³	5 ³	s	3 ⁶	42
т	30	35	40	47	+	2 ⁷	32
U	32	40	43	53	u	35	42
٧	3 ⁵	44	47	60	v	4 ²	47
w	44	52	60	70	w	55	6 ⁴
х	3 ⁴	40	4 ⁵	53	×	4 ⁴	5 ¹
Y	36	50	50	6 ⁶	У	46	5 ³
Z	3 ²	40	43	5 ³	z	36	4 3
							1

NUMBER	6 INCH	SERIES	8 INCH	SERIES
"BER	С	D ·	С	D
1	1 ²	14	1 ⁵	2 ⁰
2	3 ²	40	4 ³	5 ³
3	3 ²	40	4 ³	5 ³
4	3 ⁵	40	47	5 ⁷
5	3 ²	40	43	5 ³
6	3 ²	40	43	5 ³
- 7	3 ²	40	43	5 ³
8	3 ²	40	4 ³	5 ³
9	3 ²	40	4 ³	5 ³
0	34	4 ²	4 ⁵	5 ⁵

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BRD	REVISED -	ſ
\$FILEL\$		DRAWN -	JRT	REVISED -	ı
	PLOT SCALE = \$SCALE\$	CHECKED -	JJE	REVISED -	ĺ
	PLOT DATE = \$DATE\$	DATE -	10/14/09	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

MAST ARM MOUNTED STREET NAME SIGNS	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
IL ROUTE 19 (IRVING PARK ROAD)	345	2009-085 TS	соок	39	36
JUDD AVENUE TO IL ROUTE 171 (CUMBERLAND AVENUE)			CONTRACT	Γ NO. (50127
SCALE: NO SCALE SHEET NO. 1 OF 2 SHEETS STA. TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. AT	D PROJECT		



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS.

GENERAL NOTES

- 1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- 2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- 3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- 4. ALL BORDERS SHALL BE 3/4 " WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- 5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

* AMERICAN FABRICATION CO. CHICAGO HEIGHTS, IL

* WESTERN TRAFFIC CONTROL, INC.

DESIGNED - BRD

DRAWN - JRT

CHECKED - JJE

DATE - 10/14/09

- * A.K.T. CORPORATION
- SCHAUMBURG, IL
- * TUCKER COMPANY, INC. WAUWATOSA, WI
- CICERO, IL PARTS LISTING:

SIGN CHANNEL SIGN SCREWS

PART *HPN053 (MED. CHANNEL) 1/4 " x 14 x 1" H.W.H #3

SELF TAPPING WITH NEOPRENE WASHER

BRACKETS

FILE NAME =

\$FILEL\$

PART #HPN034 (UNIVERSAL)

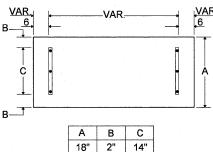
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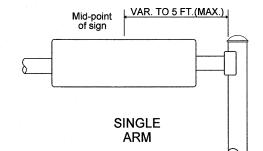
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PLOT DATE = \$DATE\$

CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

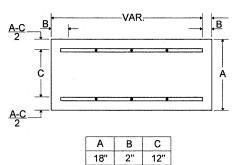
SUPPORTING CHANNELS



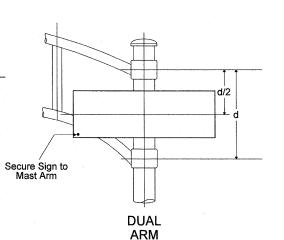


SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

SUPPORTING CHANNELS



30" 2" 22"



REVISED

REVISED

REVISED

REVISED

EXAMPLE, 23 — DENOTES 3/8"

UPPER TO LOWER CASE SPACING CHART 8-6 INCH SERIES "C & D"

 	SECOND LETTER															
	acde bhi god ru				fw		ĵ		s t		٧	у	×		. 2	
SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
A W X	1 ²		14	1 ⁵	12		06			14	06			1 ²		14
В	14	1 ⁵	2 ⁰	2 ¹	14			1 ²		1 ⁵	12	14				17
CEG	14	1 ⁵	20	2 ¹	12		06			14	12	14				1 ⁵
DOQR	14	1 ⁵		2 ¹	14					14	12	14			14	1 ⁵
F	0 ⁵	06	14	1 ⁵	06	10	0 ⁵				06		06	10	11	1 ²
HIMN	2 ⁰	2 ¹	2 ²	24	20	2 ¹	14							2 ¹	20	21
JU	2 ⁰	2 ¹	20	2 ¹	1 ⁶		14	1 ⁵				17			20	2 ¹
K L	11		1 ⁶		11	12		06			11			12		14
Р	1 ²		14		1 ²	14	0 ⁵	06	11	1 ²		12			12	14
S	1 ²		16				06	10		14	1 ²			14		14
T	11	1 ²			06	10		10			11	12	1			14
٧	06	10	14		11	1 ²	06	10			1 ²	14			1 ²	14
Y	0 ⁵	06	14	1 ⁵			05	06							1 ¹	1 ²
Z	1 ⁶	17	2 ²	2 ⁴	16	17	1 ²	14	16	17	16	17	1 ⁶	17	2 ⁰	2 ¹

LOWER CASE TO LOWER CASE

SPACING CHART 6 INCH SERIES "C" & "D"

		SECOND LETTER															
F		a c g c			ik np u	f	w	j		s	t	٧	у	· >		Z	
I	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
R	adgh ijlm nqu	16	1 ⁷	2 ²	2 ⁴	16	17	12	14	14		14	1	16	17	16	17
T	bfkops	1 ²	14	16	17	11	12	O ⁵		1 ¹	1 ²	11	1 ²	1 ²	14	1 ²	14
L	се	1 ²	14	16	17	1 ²	1	06	10	1 ²	14	12	14	1 ²	14	12	14
E	r	06	10	12	14	06		03	03	05	06	05	06	06		06	10
Т	† z	1 ²	14	16	17	12	14	06		11		11	12	1 ²	14	1 ²	14
T	v y	11	1 ²	14	1 ⁵	11	1 ²	0 ⁵	06		10	06	10	1 ¹	12	11	12
E	W	11	12	14	1 ⁵	11	1 ²	0 ⁵			1 ²	11	1 ²	11	12	1 ²	14
R	×	12	14	1 ⁶	17	11	12	0 ⁵	06	11	1 ²	11	1 ²	11	12	12	14

NUMBER TO NUMBER

SPACING CHART 8 INCH SERIES "C" & "D"

									SE	CON	D N	UME	BER								
F		0	1.	:	L	2		3	,	4		5		6	5	7	7	8		9	
I	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
R	0 9	1 ⁶	17	16	17	14	1 ⁵	12	14	14	15	14	1 ⁵	16	17	12	14	16	17	1 ⁶	17
T	1	2 ⁰	2 ¹	20	2 ¹	2 ⁰	2 ¹	16	17	14	1 ⁵	2 ⁰	2 ¹	20	21	14	1 ⁵	20	2 ¹	20	2 ¹
N	2 3 4	14	15	14	15	14	1 ⁵	12	14	12	14	14	15	14	1 ⁵	1 ¹	12	16	17	14	1 ⁵
U	5	14	1 ⁵	14	15	14	1 ⁵	11	1 ²	11	1 ²	14	15	14	1 ⁵	1 ¹	1 ²	14	1 ⁵	14	1 ⁵
В	6	16	17	14	15	14	1 ⁵	12	1 ⁵	12	14	14	1 ⁵	14	1 ⁵	11	12	14	15	14	1 ⁵
E R	7	12	14	1 ²	14	14	1 ⁵	12	1 ⁵	05	06	12	14	14	1 ⁵	11	12	14	15	12	14
	8	1 ⁶	17	1 ⁶	17	14	1 ⁵	1 ²	1 ⁵	1 ²	14	14	1 ⁵	16	17	1 ²	14	1 ⁶	17	14	1 ⁵

STATE OF ILLINOIS

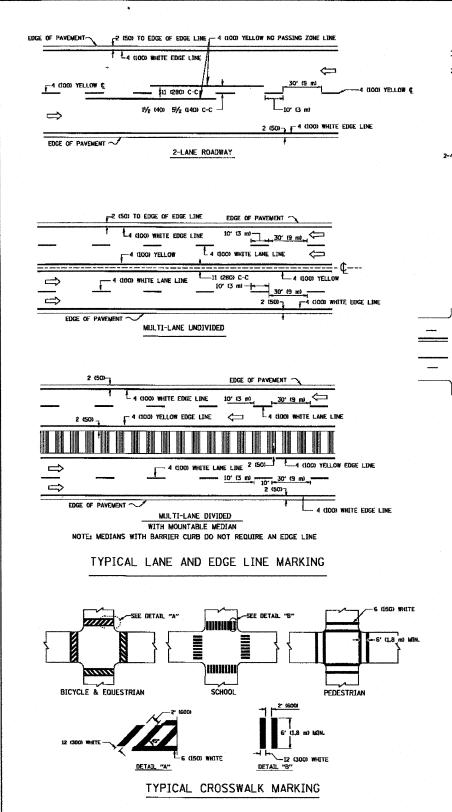
DEPARTMENT OF TRANSPORTATION

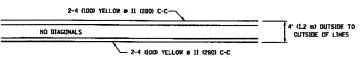
UPPER AND LOWER CASE LETTER WIDTHS

L ·	6 INCH (JPPER	8 INCH	UPPER	L	6 INCH LOWER			
E T	CASE LE	TTERS	CASE LE	TTERS	E	CASE LE	TTERS		
T E	SER	RIES	SEF	IES	T _E	SER	IES		
E T T E R S	С	D	С	D	E T T E R	С	D		
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	а	35	42		
В	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²		
С	3 ²	4 ⁰	4 ³	5 ³	С	3 ⁵	4 ¹		
D	3 ²	4 ⁰	4 ³	5 ³	d	35	42		
E	3 ⁰	3 ⁵	40	47	е	3 ⁵	4 ²		
F	3 ⁰	3 ⁵	40	4 ⁷	f	2 ³	2 ⁶		
G	3 ²	4 ⁰	43	5 ³	g	3 ⁵	42		
Н	3 ²	40	4 ³	5 ³	h	3 ⁵	42		
I	07	0 ⁷	1 ¹	12	1	11	11		
J	30	36	40	5 ⁰	J	20	2 ²		
К	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²		
L	30	3 ⁵	40	47	ı	11 .	1 ¹		
М	3 ⁷	45	5 ¹	6 ¹	m	6 ⁰	70		
N	3 ²	40	43	5 ³	n	3 ⁵	4 ²		
0	3 ⁴	42	4 ⁵	5 ⁵	o	3 ⁶	4 ³		
Р	32	40	43	5 ³	P	3 ⁵	42		
Q	34	42	45	5 ⁵	р	3 ⁵	42		
R	32	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²		
s	32	40	4 ³	5 ³	s	3 ⁶	4 ²		
Т	. 30	35	40	47	+	2 ⁷	3 ²		
U	32	40	43	5 ³	u	3 ⁵	42		
٧	3 ⁵	44	47	6 ⁰	v	4 ²	47		
W	44	52	60	70	w	55	6 ⁴		
х	34	40	4 ⁵	53	×	44	5 ¹		
Y	3 ⁶	5 ⁰	50	6 ⁶	У	46	5 ³		
Z	32	40	43	5 ³	z	3 ⁶	43		
				-					
γ									

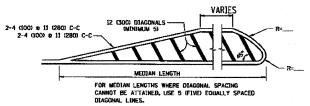
N _{UM}	6 INCH	SERIES	8 INCH	SERIES
NUMBER	С	D	С	D
1	12	14	1 ⁵	2 ⁰
2	3 ²	40	43	5 ³
3	3 ²	40	43	5 ³
4	3 ⁵	40	47	5 ⁷
5	3 ²	40	4 ³	5 ³
6	3 ²	40	43	5 ³
7	3 ²	40	43	5 ³
8	3 ²	40	43	5 ³
9	3 ²	40	43	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

1	N	AST ARM MOUNTED ST		GNS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		IL ROUTE 19 (IRVING	PARK RUAD)		345	2009-085 TS	соок	39	37
ı	JUDD /	AVENUE TO IL ROUTE 171			CONTRAC	T NO.	60127		
	SCALE: NO SCALE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. AI	D PROJECT		



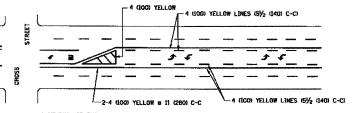


4' (1.2 m) WIDE MEDIANS ONLY

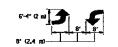


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/rb) 75' (25 m) C-C 30MPH (50 km/rb) TO 45MPH (170 km/rb) 150' (45 m) C-C (MORE THAN 75M A 5MPH (170 km/rb)

MEDIANS OVER 4' (1,2 m) WIDE

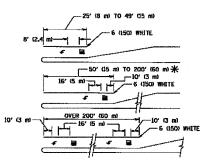


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. DOITIONAL PAIRS SHALL BE PLACED AT 200' (50 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

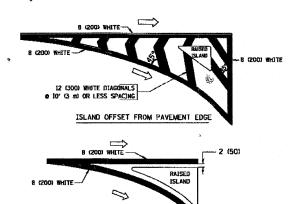


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.5 SQ. FT. (1.5 m 2) \P AREA = 20.8 SQ. FT. (1.9 m 2)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE.

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

ISLAND AT PAVEMENT EDGE

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAYEMENT	2 0 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 m 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (440 C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10. (3 m) FINE MILH 30. (8 m) 25-WCE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (L8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LÂNE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 8 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	AETFOM	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 8 6 (150) 12 (300) 8 45° 12 (300) 8 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (500) APART 2' (500) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4" d,2 mi in advance of and paralle. To choosewax, if present, otherwise, place at desired stopping from. Parallel to chossroad centerline, where possible
PAINTED MEDIANS	2 m 4 (JOD) WITH 12 (JOD) DIAGONALS 6 45° NO DIAGONALS USED FOR 4' (L2 m) WIDE MEDIANS	SOLIB	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZENG LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS4 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (LB mi LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"-3.6 SO. FT. 10.33 m ²) EACH "X"-54.0 SO. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) to 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50" (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75" (25 m) C-C (30 MPH (50 km/h)) TO 45MPH (70 km. 150" (45 m) C-C (OVER 45MPH (70 km/h))

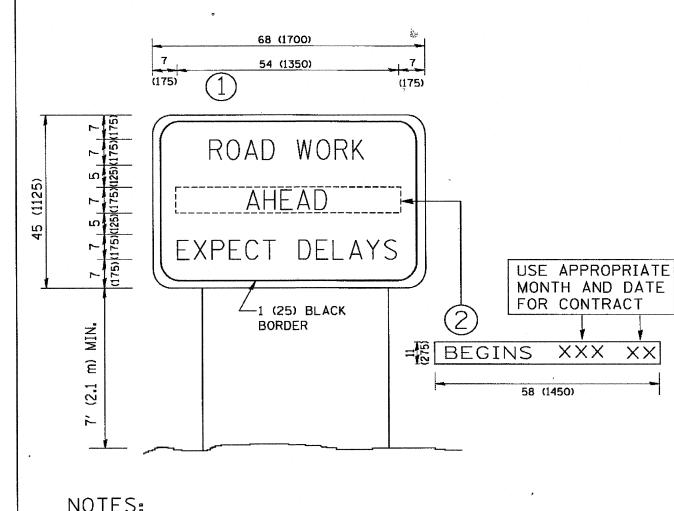
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

at dimensions ore in Inches Unislaneter

FELE NAME =	USER NAME = drivokoagn	DESIGNED	-	EVERS	REVISED	-7.	RAMMACHER	10-27-94	
cz/pw_work/pwzdoz/drzvekcegn/d8188315/to	3.dgn	DRAWN	-		REVISED	-c.	JUCIUS	09-09-09	
·	PLOT SCALE = 56.000 '/ DN.	CHECKED	-		REVISED	-			
	PLOT DATE = 9/9/2009	DATE	-	03-19-90	REVISED	-			

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORT	ATION

	DISTRICT O	F.A.P.	SECTION	COUNTY	SHEETS	NO.	1		
TYPICAL PAVEMENT MARKINGS					2009-085 TS			38 D127	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	FED. RO	OAD DIST. NO. ? ILLINOIS FED. AL		1 140. 6	10121			



NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN () WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
- 7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIR	5 09-15-97
Wr\dsetstd\22x34\to22.dgn		DRAWN -	REVISED - R. MIRS	5 12-11-97
	PLDT SCALE = 50.000 1/ IN.	CHECKED -	REVISED -T. RAMMAC	HER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUC	IUS 01-31-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD						F.A.P. RTE.	SECTION	COLINTY	TOTAL SHEETS	NO.
			PENJAL HU PRIMATION			345	2009-085 TS	COOK		39 0127
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 7 RELINOIS FED. AND PROJECT .				