08-01-14 LETTING ITEM 051

PROJECT LOCATED IN VILLAGE OF GENEVA AND CITY OF ST. CHARLES

INDEX OF SHEETS

0

0

COVER SHEET GENERAL NOTES 2 **SUMMARY OF QUANTITIES**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

RANDALL ROAD AT GLENEAGLE ROAD PLANS 12-13 RANDALL ROAD AT CHRISTINA ROAD PLANS

RANDALL ROAD AT FARGO AVE PLANS 16-17 RANDALL ROAD AT KESLINGER RD/ 18-20 **KANEVILLE ROAD PLANS**

RANDALL ROAD AT WILLIAMSBURG ROAD PLANS

RANDALL ROAD AT BRICHER ROAD PLANS 24-25 **RANDALL ROAD AT IL ROUTE 38 PLANS**

RANDALL ROAD AT PRAIRIE STREET PLANS

RANDALL ROAD AT OAK STREET PLANS 32 - 34**RANDALL ROAD AT IL ROUTE 64** 35 - 37

RANDALL ROAD AT DEAN STREET 38-41 42-43 RANDALL ROAD AT RED HAW LANE/

OAK CREST CIRCLE PLANS RANDALL ROAD GUARDRAIL REPLACEMENT PLAN 44

45-46 RANDALL ROAD AT CRANE ROAD PLANS

RANDALL ROAD AT RED GATE ROAD PLANS 47-48

RANDALL ROAD AT BOLCUM ROAD 49-51

RIDGEWOOD DRIVE PLANS

RANDALL ROAD AT SILVER GLEN ROAD 52 - 53INTERCONNECT SCHEMATIC RANDALL ROAD FROM 54-55

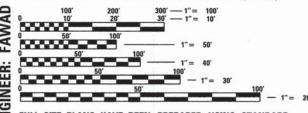
FABYAN PARKWAY TO SILVER GLEN ROAD

SIGNING STRIP MAP 56

705-7 57 SIGN DETAIL 58-61 DISTRICT ONE DETAILS

RANDALL ROAD

DESIGN DESIGNATION: OTHER ARTERIAL SPEED LIMIT = 45-50 MPH TRAFFIC = 29800-39000 ADT (2010)



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 OR 811

PROJECT MANAGER: JAMES YURATOVAC

Know what's below. Call before you dig

STA 484 + 92

STA 100+00

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

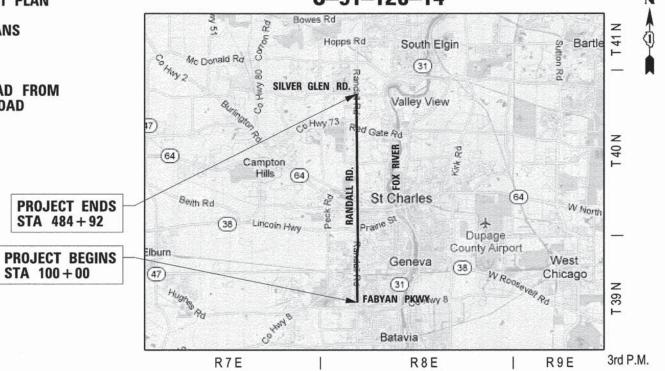
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP 336 (RANDALL ROAD)

FABYAN PARKWAY TO SILVER GLEN RD TRAFFIC SIGNALIZATION IMPROVEMENTS

> SECTION: 11-00418-01-SP **PROJECT: HSIP-0089(177)**

> > **KANE COUNTY** C-91-128-14

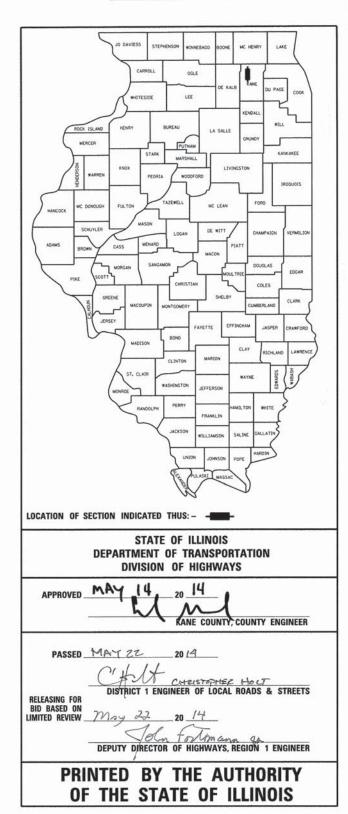


LOCATION MAP

RANDALL ROAD LENGTH = 38,492 FT. = 7.29 MILES NET LENGTH = 38,492 FT. = 7.29 MILES

ESI CONSULTANTS, LTD THIS DOCUMENT IS THE PROPERTY OF ESI CSONSULTANTS, LTD. AND NO PART HEREIN SHALL BE USED EXCEPT FOR THIS SPECIFIC PROJECT WITHOUT THE WRITTEN CONSENT OF ESI CSONSULTANTS, LTD.

SECTION KANE 11-00418-01-SP ILLINOIS CONTRACT NO 63862



PROFESSIONAL ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED UNDER MY PERSONAL DIRECTION, THIS TECHNICAL SUBMISSION IS INTENDED TO BE SSED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SECIFICATIONS AND CONTRACT DOCUMENTS.

JAMES M. YURATOVAC ILLINOIS REG. PROF. ENGINEER NO.062-060059 EXPIRATION DATE 11-30-2015

CONTRACT NO. 63862

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY 2. COMPANIES.
- THE CONTRACTOR SHALL CONTACT THE KDOT TRAFFIC MANAGER TOM SZABO AT (630) 208-3139 A MINIMUM 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS IN ADVANCE OF BEGINNING WORK AT THE STATE INTERSECTIONS.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC TECHNICIAN, RAY JOHNSON AT (630) 406-7356 AT LEAST 2 WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE 6. REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ALL HMA PAVEMENT PATCHING SHALL BE CLASS D. 8.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND 10. CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF
- THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN 11. ALL NECESSARY PUBLIC AGENCY PERMITS.
- ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT 12. ARE HEREIN INCORPORATED BY REFERENCE.
- NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE. 13.
- THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE FOR TRAFFIC AND 14. PEDESTRIANS WHERE CONSTRUCTION OPERATIONS IMPACT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY.
- ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEM 15. IN ACCORDANCE WITH THE EROSION CONTROL STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH LOCAL OR IDOT STANDARD 16. SPECIFICATIONS IN MATERIALS AND WORKMANSHIP, AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE 1 OR TYPE II BARRICADE (USE ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL).

CONSTRUCTION NOTES

- THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS OR ARE ATTACHED TO TRAFFIC SIGNAL EQUIPMENT THAT IS BEING REMOVED AS PART OF THE CONSTRUCTION ACTIVITIES. THE SIGNS SHALL BE RESET DURING THE CONSTRUCTION OPERATIONS AND RESET PERMANENTLY UPON COMPLETION OF THE TRAFFIC SIGNAL IMPROVEMENTS. THIS WORK, INCLUDING ALL NECESSARY POSTS, MOUNTING HARDWARE, AND LABOR, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF STEEL MAST ARM ASSEMBLY AND POLE, STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, OR TRAFFIC SIGNAL POST. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

 A) SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.

 B) EVERY SIGN REMOVED MUST BE RE -ERECTED AT A TEMPORARY LOCATION
 - IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.

CONSTRUCTION NOTES (CONT.)

SIGN ELEVATIONS AND REQUIRED VISIBILITY.

C) ALL SIGNS SHALL BE RE-ERECTED ACCORDING TO HIGHWAY STANDARD 720001-01 IN PERMANENT LOCATIONS AS THE TRAFFIC SIGNAL IMPROVEMENTS ARE COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER. ALL UNUSED SIGNS WILL BE RETURNED TO THE COUNTY. E) LONGER POSTS OR ALTERNATE MOUNTING HARDWARE MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER

ANY CONSTRUCTION ACTIVITIES THAT REQUIRE THE REMOVAL OR DEACTIVATION OF MORE THAN ONE TRAFFIC SIGNAL HEAD AT A TIME IN A GIVEN DIRECTION OF TRAVEL SHALL BE UNDERTAKEN BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM; RELATED WORK PROPOSED TO BE COMPLETED OUTSIDE OF THIS TIME PERIOD MUST BE APPROVED BY THE KANE COUNTY DIVISION OF TRANSPORTATION TRAFFIC SECTION MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAGING THE WORK ACTIVITY TO ENSURE THESE OPERATIONAL REQUIREMENTS ARE MET. THE CONTRACTOR SHALL PROVIDE A SCHEDULE TO THE ENGINEER ON A WEEKLY BASIS ADVISING OF THE PLANNED SEQUENCE AND SCHEDULE OF WORK FOR REMOVING AND INSTALLING MAST ARMS AND SIGNAL HEADS. THE CONTRACTOR SHALL UTILIZE CHANGEABLE MESSAGE SIGNS IN ADVANCE OF THE AFFECTED INTERSECTION A MINIMUM OF 72 HOURS PRIOR TO THE PLANNED MAST ARM REMOVAL AND INSTALLATION TO ADVISE MOTORISTS OF DISRUPTIONS, AS DIRECTED BY THE ENGINEER. CHANGEABLE MESSAGE SIGNS ARE PAID FOR SEPARATELY. TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL NOT BE UTILIZED UNLESS DIRECTED BY THE ENGINEER.

HIGHWAY STANDARDS

000001-06 STANDARD TRAFFIC SIGNAL DESIGN DETAILS 280001-07 TEMPORARY EROSION CONTROL SYSTEMS

424001-07 PERPENDICULAR CURB RAMPS FOR SIDEWALKS

DIAGONAL CURB RAMPS FOR SIDEWALKS 424006-01

424011-01 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

424021-02 DEPRESSED CORNER FOR SIDEWALKS 424031-01 MEDIAN PEDESTRIAN CROSSINGS

CONCRETE CURB TYPE B AND COMBINATION 606001-05 CONCRETE CURB AND GUTTER

630001-10 STEEL PLATE BEAM GUARDRAIL

SHOULDER WIDENING FOR TYPE 1 (SPECIAL) 630301-06 GUARDRAIL TERMINALS

631006-08 TRAFFIC BARRIER TERMINAL. TYPE 1B

OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) 701101-04 TO 24" (600MM) FROM PAVEMENT EDGE

OFF-ROAD OPERATIONS, MULTILANE, MORE 701106-02 THAN 15' (4.5M) AWAY

LANE CLOSURE, MULTILANE, INTERMITTENT OR 701426-06 MOVING OPERATION FOR SPEED > 45 MPH

701701-09 URBAN LANE CLOSURE. MULTILANE. INTERSECTION

SIDEWALK, CORNER, OR CROSSWALK 701801-05 -CLOSURE

HIGHWAY STANDARDS (CONT.)

TRAFFIC CONTROL DEVICES

720001-01 SIGN PANEL MOUNTING DETAILS 780001-04 TYPICAL PAVEMENT MARKINGS

HANDHOLES

814006-02 DOUBLE HANDHOLES

701901-03

814001-02

877012-02

TS-5

STANDARD PHASE DESIGNATION DIAGRAMS 857001-01 AND PHASE SEQUENCES

873001-02 TRAFFIC SIGNAL GROUNDING & BONDING

877001-05 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

877011-05 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55

> STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'

878001-09 CONCRETE FOUNDATION DETAILS

880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT ONE STANDARDS

BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS. INTERSECTIONS, AND DRIVEWAYS

TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

ARTERIAL ROAD INFORMATION SIGN TC-22

TO STA

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

USER NAME = dnaughton DESIGNED - JY REVISED DRAWN - DN REVISED CHECKED - MR REVISED LOT DATE = 5/28/2014 DATE - 5/28/2014 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES SHEET NO OF SHEETS STA

SCALE:

SECTION COUNTY SHEETS 336 11-00418-01-SP KANF 61 2 CONTRACT NO 63862 THE INDIS FEDERAL AID PROJECT

TYPE CODE 20700220 POROUS GRANULAR EMBANKMENT 42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQFT 3512 435 1036 SQ FT 42400800 DETECTABLE WARNINGS 783 213 152 83 106 44000600 SIDEWALK REMOVAL SQFT 2982 385 1116 370 63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED 200 63200310 GUARDRAIL REMOVAL FOOT 67100100 MOBILIZATION 70106800 CHANGEABLE MESSAGE SIGN 0.5 0.0625 70102635 TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 70102640 TRAFFIC CONTROL AND PROTECTION, STANDARD 70180 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 0.0625 72000100 SIGN PANEL - TYPE 1 SQ FT 682.5 78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" FOOT 494 114 78009012 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" FOOT 114 78009024 MODIFIED URETHANE PAVEMENT MARKING - LINE 24" 78300100 PAVEMENT MARKING REMOVAL 44 149 SQ FT 496 81028210 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2° DIA. FOOT 1439 975 104 81028220 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. 1160 146 44 150 81028230 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA FOOT 81702110 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 FOOT 1436 2743 2724 2091 2679 671 25109 3078 875 3051 82103250 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 85000200 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 87301215 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14:20 364 1130 1043 1044 260 232 87301225 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C 2054 516 1489 826 938 87301245 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 50 3955 1386 1527 1230 1755 1403 87301255 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C 1509 1392 2068 1990 1529 1754 FOOT 1170 87301805 ELECTRIC CABLE IN CONDUIT, SERIVCE, NO. 6 2 C 87301900 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT 158 249 EACH 87501000 TRAFFIC SIGNAL POST, 14 FT. EACH 87501200 TRAFFIC SIGNAL POST, 16 FT. EACH 87700200 STEEL MAST ARM ASSEMBLY AND POLE, 32 FT. EACH 87700210 STEEL MAST ARM ASSEMBLY AND POLE, 34 FT. EACH EACH 87700220 STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. 87700230 STEEL MAST ARM ASSEMBLY AND POLE, 38 FT. 87700260 STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. 87700300 STEEL MAST ARM ASSEMBLY AND POLE, 52 FT. 87700310 STEEL MAST ARM ASSEMBLY AND POLE, 54 FT. EACH 87702900 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT EACH 87702910 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT EACH EACH 87702920 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. 87702940 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT EACH 87702950 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT FACH 87702960 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. EACH 87702970 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT EACH 87702980 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT EACH 87702985 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT. EACH 87702990 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. EACH EACH 87703000 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. 87703010 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT 87703020 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT. EACH * SPECIALTY 87703030 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH

CONSTRUCTION TYPE CODE 0021

PHINTED URLE: 5/28/2014 FILE NAME: K:\Projects\Kone County\2012 HSIP\CADD\Drow!

ESI CONSULTANTS, LTD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

SUMMARY OF QUANTITIES

SHEET NO OF SHEETS STA TO STA

ODE NO.	UNIT	TOTAL	Randall @ Gleneagle			Randail @	Randall @	Randall @ Bricher Rd	Randall @	Randall @ Prairie St	RUCTION TYPE (Randall @ Oak St	Randall @	Randall @ Dean St	Randall @ Red Haw Ln	Randall @ Crane Rd	Randall @ Red Gate Rd	Randall @ Bolcum Rd	Randall @ Silver Glen Rd	ROADWAY	CONS
17703050 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	10TAL	Gleneagle	Christina	Fargo	Keslinger/ Kaneville	Williamsburg 1	Bricher Rd	IL 38	Prairie St	Oak St	IL 64	Dean St	Red Haw Ln	Crane Rd	Red Gate Rd	Boicum Ru	Sliver Gieli Ru	ROADWAT	
703070 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1						1												
703090 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 70 FT.	EACH	1									1									1
7703110 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 74 FT.	EACH	1						1												
7800100 CONCRETE FOUNDATION, TYPE A	FOOT	68								20	12		16			4	4	12		
7800400 CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14								14										+
7800415 CONCRETE FOUNDATION, TYPE E 38-INCH DIAMETER	FOOT	485	52	54	52	52	28	13		30	37		11	28	13	48	13	54		
7800420 CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	222					42	71			46		42		21					+
7900200 DRILL EXISTING HANDHOLE	EACH	65	4	4	4	4	4	4		8	8		7	2	2	5	2	7		+
8030020 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	112	10	6	6	7	13	14		4	7	Contract:	6	10	10	8	3	8		Ŧ
8030050 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	11			2								2	2	2		1	2		
8030070 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	14	2		2	1				4	2			2			1			+
0030080 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	40	4	4	4	4				4	5		4	2		4	1	4	1000000	-
3030110 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH		-	4							3		2	-		2				#
		21		4	2	3	3								2					
030210 SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5					1	2							4			4		#
030230 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	10	2										2			2		4		+
030240 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	5					3	2												
030250 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	14		4	2	3					1		2			2				
102717 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	13									6		7		- 100-6-10					
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2									1		1							
2102757 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	-										1							+
200100 TRAFFIC SIGNAL BACKPLATE	EACH	153	12	12	12	7	15	15		8	10		16	8	10	14	4	10		-
200510 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	147	8	10	8	14	9	9	12	6	9	12	6	8	8	8	8	12		+
700200 LIGHT DETECTOR	EACH	25	2	2	2	2	2	1		2	2		1		3	2		4		+
700300 LIGHT DETECTOR AMPLIFIER	EACH	12	1	1	1	1	1			1	1		1	1	1	1		1		#
800100 PEDESTRIAN PUSH-BUTTON	EACH	25								3	8		12					2		#
9500100 RELOCATE EXISTING SIGNAL HEAD	EACH	5								4							1			
9500200 RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	17	3	1			2			5						1	2	3		
9500400 RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	13	3	1			2		CHESSIE SE	3						1	2	1		+
502210 MODIFY EXISTING CONTROLLER CABINET	EACH	11	1	1	1	1				1	1		1	1		1	1	1		
9502300 REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	71662	4268	4548	2501	3299	3063	5358		6785	9564		8480	2219	3884	7523	2685	7485		
9502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	14	1	1	1	1	1	1		1	1		1	1	1	1	1	1		
9502385 REMOVE EXISTING CONCRETE FOUNDATION	EACH	46	4	4	4	4	4	4		3	4		3	2	2	4		4		
D322765 RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	6					1	1			1		1		1	1				+
0324085 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	11389	827	831	763	933	916	825		848	1013		1150	450	700	941	242	950		-
0009/22 RADAR SPEED SIGN	EACH	13																	13	-
1400196 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	58											8		14	16		20		+
1402810 ISLAND SURFACE REMOVAL AND REPLACEMENT	SQ FT	1090											1090			- 10				-
													1090						13	+
050095 SERVICE INSTALLATION (SPECIAL)	EACH	13														- 2000			13	
360120 LIGHT POLE FOUNDATION, SPECIAL	EACH	13																	13	+
8730571 ELECTRIC CABLE IN CONDUIT, COAXAL	FOOT	705		210		170							124			99		102		
1730800 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	705		210		170							124			99		102		
760055 PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	4								2	1		1							+
950115 RELOCATE LIGHT DETECTOR	EACH	22	2	2	2	2	2	2		1	2		3	2		2				
D07250 RELOCATE EXISTING PTZ CAMERA	EACH	5		1		1							1			1		1		
D08131 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C	FOOT	5474					928	1017			908		635		1093	893				
004562 COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT	FOOT	485					61			111	159		132		2 mcz-		22			
013798 CONSTRUCTION LAYOUT	LSUM	1	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625	0.0625		1
0030850 TEMPORARY INFORMATION SIGNING	SQ FT	51.4																	51.4	
		4500							2 240 40 20							-				+
076600 TRAINEES	HOUR	1500	-	-	-		-							-						

FILE NAME: KINProjects/Kone County/2012 HSIP/CADD/

ESI ESI CONSULTANTS, LTD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO OF SHEETS STA TO STA

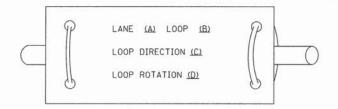
TRAFFIC SIGNAL LEGEND

				T							
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	□ R	\boxtimes	\blacksquare	EMERGENCY VEHICLE LIGHT DETECTOR	R≪	⊗	₩	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON	R_{o-0}	0-0	-4	Liberary Ser Linear Application of the Control of t		~/	**************************************
COMMUNICATIONS CABINET	CCR	ECC	CC	HANDHOLE	R 🖂			COAXIAL CABLE		—©—	—©—
MASTER CONTROLLER		EMC	MC		R			VENDOR CABLE FOR CAMERA		C.	
MASTER MASTER CONTROLLER	R	[EMMC]	MMC	HEAVY DUTY HANDHOLE		H	H			_(v)_	
UNINTERRUPTABLE POWER SUPPLY	UPS	EUPS	UPS	DOUBLE HANDHOLE	R 🔯		0	COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		<u> </u>	<u>—6</u> —
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	-□ <u>-</u> R	-□- ^P	- ■ P	JUNCTION BOX UNDERGROUND CONDUIT,				FIBER OPTIC CABLE NO. 62.5/125, MM12F		—(12F)—	
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT	R	P	PT	GALVANIZED STEEL (UC) TEMPORARY SPAN WIRE, TETHER WIRE,	p.	and an analysis of the second		FIBER OPTIC CABLE		—(24F)—	-24F)-
STEEL MAST ARM ASSEMBLY AND POLE	R _O	0	•	AND CABLE	K			NO. 62.5/125, MM12F SM12F		~	
ALUMINUM MAST ARM ASSEMBLY AND POLE	R	0		COMMON TRENCH			СТ	FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F		—36F)—	—36F)—
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	^R O-∞—	0-¤	• × ·	COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC				
STEEL COMBINATION MAST ARM	R_	0		SYSTEM ITEM		S	S	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM,		C111-0	c∥—
ASSEMBLY AND POLE WITH PTZ CAMERA	Q	PZP	PIZ	INTERSECTION ITEM		I	IP	OR (S) SERVICE		11/80/2011	Telephone and the second
SIGNAL POST	RO	0	•	REMOVE ITEM	R			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM	$\stackrel{R}{\otimes}$	\otimes	•	RELOCATE ITEM ABANDON ITEM	RL			STEEL MAST ARM POLE AND	RMF		
GUY WIRE	>R	>	>	12" (300mm) TRAFFIC SIGNAL SECTION	A	(R)	R	FOUNDATION TO BE REMOVED	0		
SIGNAL HEAD	R →	\rightarrow	-					ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)			→ ²	12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE			_	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND	RMF O-X		
SIGNAL HEAD WITH BACKPLATE	+CR	+>	+-			R	R	FOUNDATION TO BE REMOVED			
SIGNAL HEAD OPTICALLY PROGRAMMED	_R -D"P"	—□>"p"	→ "P"	SIGNAL FACE		C	G 4 Y	SIGNAL POST AND FOUNDATION TO BE REMOVED	RPF		
FLASHER INSTALLATION (S DENOTES SOLAR POWER)	R O-D"F"	O- ⊳ ″F″	→ "F"			•	← Γ	INTERSECTION & SAMPLING (SYSTEM) DETECTOR		[is]	IS
PEDESTRIAN SIGNAL HEAD	R I	-0	-1			R	R	SAMPLING (SYSTEM) DETECTOR		[5]	S
PEDESTRIAN PUSHBUTTON DETECTOR	R	0	•	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		Č	G	QUEUE DETECTOR		<u>[0]</u>	0
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R APS	@APS	@ APS	"RB" INDICATES REFLECTIVE BACKPLATE		(+ Y)	€Y €G	PREFORMED QUEUE DETECTOR		Poj	PO
ILLUMINATED SIGN "NO LEFT TURN"	R	(3)	9				"P"	SON APPENDING AND THE EXCEPTION OF ACCURATE AND APPENDING		1 01	I. ol
ILLUMINATED SIGN	R			12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PIS	PIS
"NO RIGHT TURN"	8	8	®	12" (300mm) PEDESTRIAN SIGNAL HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR		PS	PS
DETECTOR LOOP, TYPE I		[_]		INTERNATIONAL SYMBOL, OUTLINED						- →	
PREFORMED DETECTOR LOOP		1 P]	Р	12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID		()	*	RAILROAD	SYMBO	LS	
MICROWAVE VEHICLE SENSOR	R	(M)	M	PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C A D	C AD			EXISTING	PROPOSED
VIDEO DETECTION CAMERA	RVA	(V)	(RADIO INTERCONNECT	 R O		 	RAILROAD CONTROL CABINET			₽ ✓R
VIDEO DETECTION ZONE				and the state of t	110			RAILROAD CANTILEVER MAST ARM	>	KOX X X	IOX X X
	R			RADIO REPEATER	RERR	ERR	RR	FLASHING SIGNAL	_	X o X	¥⊕¥
PAN, TILT, ZOOM CAMERA	PZ	PTZ	PIZM	DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE,		_5	_5_	in the Programme was been compared to the			
WIRELESS DETECTOR SENSOR	RW	W	W	ALL DETECTOR LOOP CABLE TO BE SHIELDED		,-		CROSSING GATE		X0X >	X-X-
WIRELESS ACCESS POINT	R			GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		(1)	(1)	CROSSBUCK		≥	*
FILE NAME = USER NAME = footemj	DES	IGNED - DAG/BCK	REVISED -	DAG 1-1-14	OF ILLINOIS	:		DISTRICT ONE	F.A.P. RTE.	SECTION	COUNTY TOTAL SHEETS NO.
PLOT SCALE = 50.0000 '/ : PLOT DATE = 1/13/2014		CKED - DAD	REVISED -	DEPARTMENT			SCALE: NO	STANDARD TRAFFIC SIGNAL DESIGN DETAILS IE SHEET NO. 1 OF 7 SHEETS STA. TO STA.	336	11-00418-01-SP TS-05	KANE 61 5 CONTRACT NO. 63862

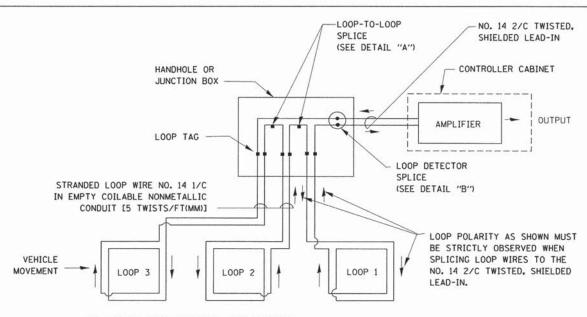
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT 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

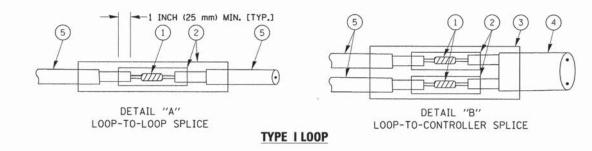


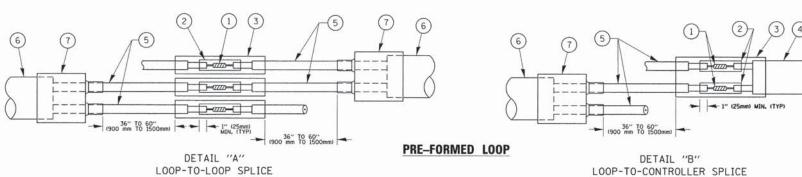
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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.





LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- (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.

SCALE: NONE

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

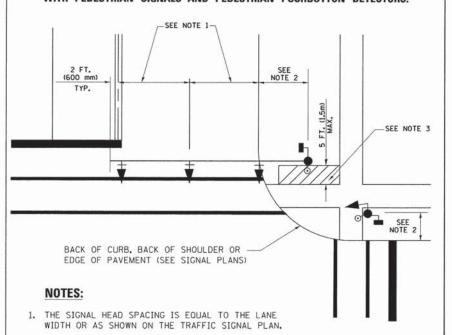
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- (6) PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

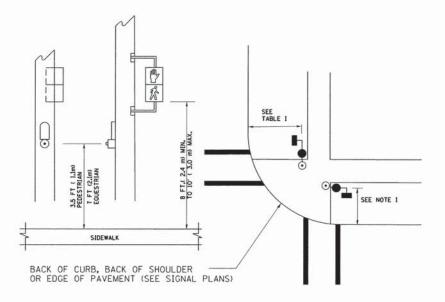
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DISTRICT ONE	F.A.P. SECTION COUNTY TOTAL SHEE SHEETS NO.	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	336 11-00418-01-SP KANE 61 6	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	TS-05 CONTRACT NO. 63862	
SHEET NO. 2 OF 7 SHEETS STA. TO STA.	FED BOAD DIST NO 1 THE INDISCRED AND PROJECT	-

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALKBICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



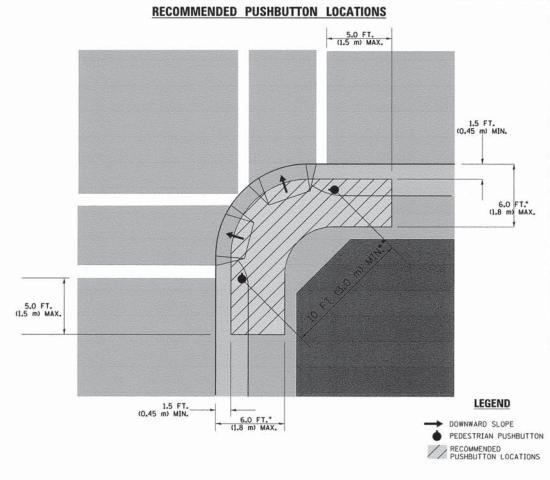
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

- 1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
- THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCO AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT. IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- •• WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

- PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- 2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
- THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

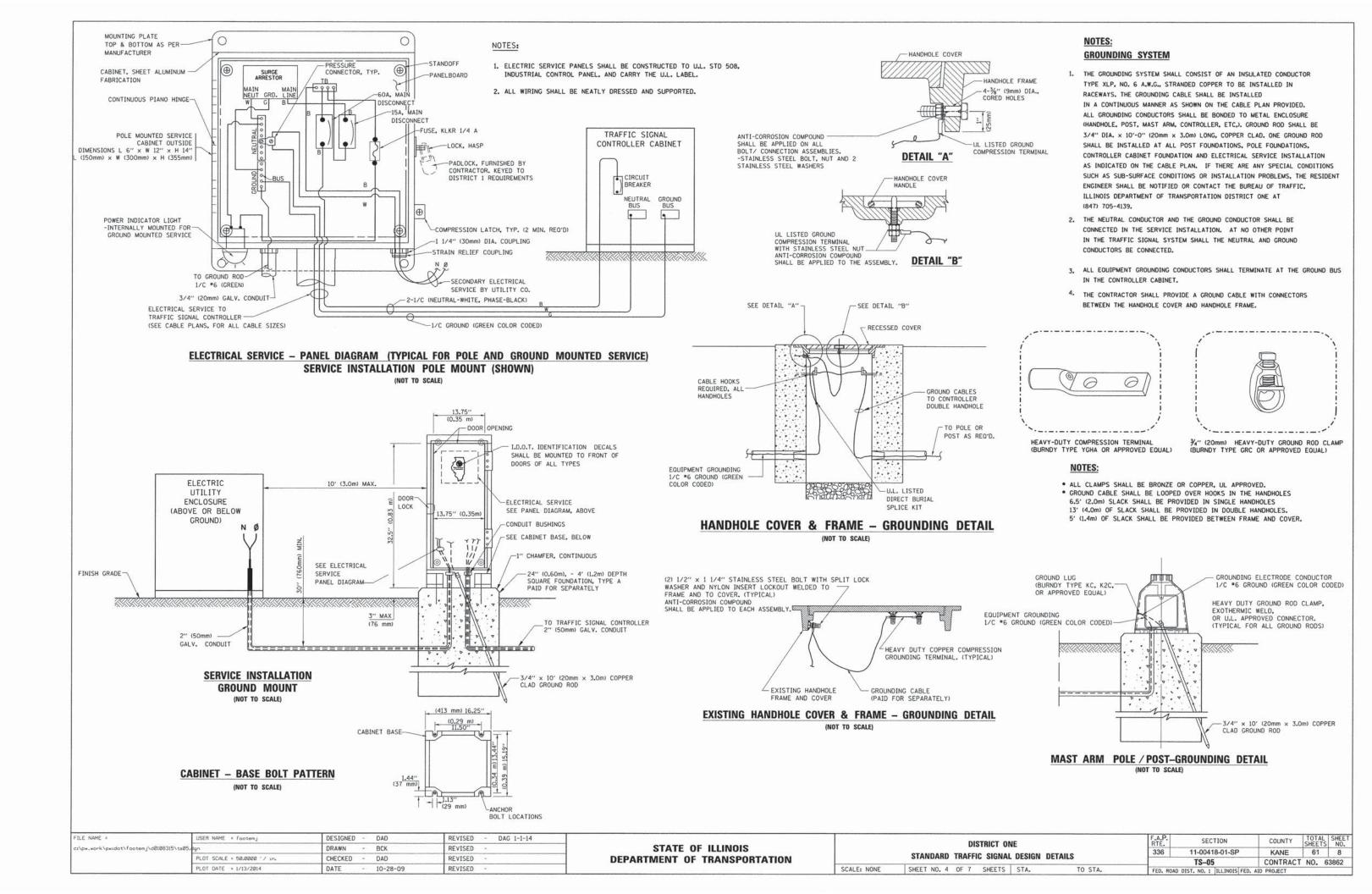
TRAFFIC SIGNAL EQUIPMENT OFFSET

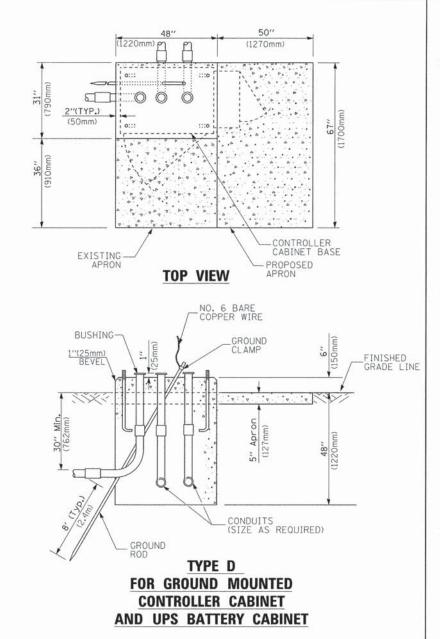
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

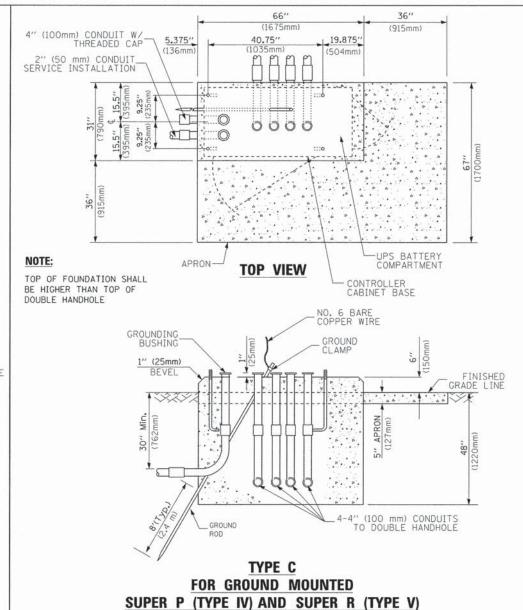
NOTES:

- 1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
- 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
- 4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

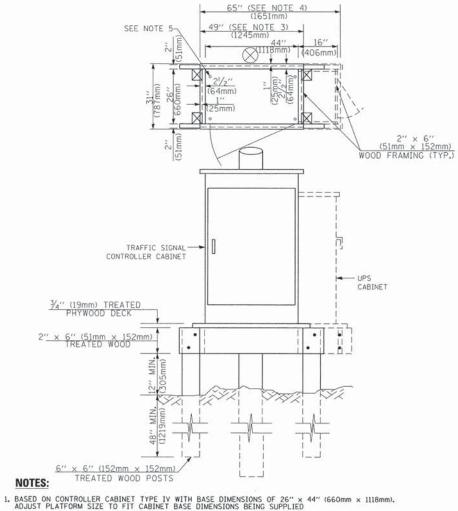
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CONTROLLER CABINETS



- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)		
	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

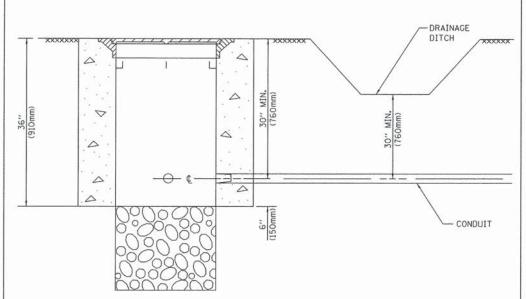
DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- 1. These foundation depths are for sites which have cohesive soils (clayey slit, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Enginee during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
- 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
- 4. For most arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

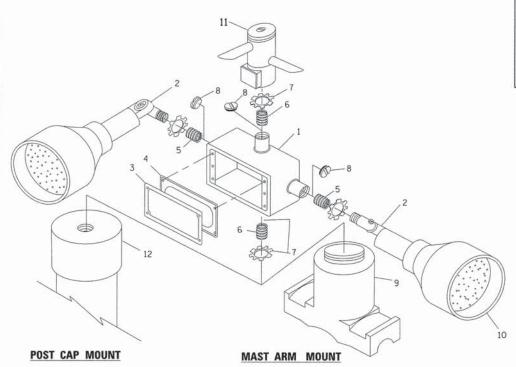
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c:\pw_work\pwidot\footemj\d0108315\ts0	5.4gn	DRAWN - BCK	REVISED -	STATE OF ILLINOIS				336	11-00418-01-SP	KANE	61 9			
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05		T NO. 63862						
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	The state of the s	SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA. TO STA.	FED. ROA		AID PROJECT				

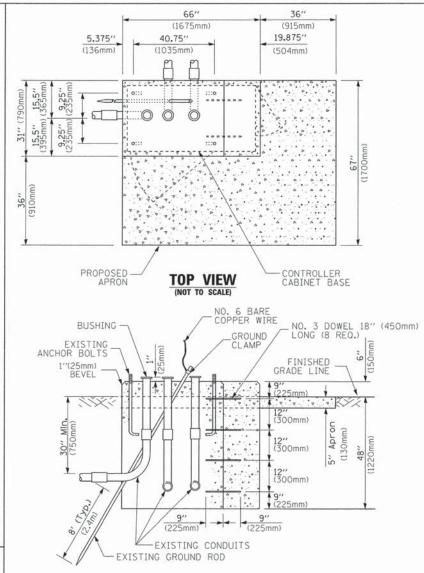


NOTES:

- CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- 3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH (NOT TO SCALE)





MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

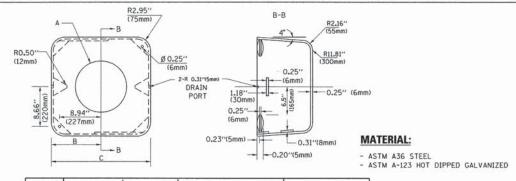
(NOT TO SCALE)

ITEM	NO. IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS "2 AND "11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM "1- OZ/GEDNEY FSX-1-50 OR EOUIVALENT ITEM "2- MULBERRY CON-O-SHADE LAMP SHIELD OR EOUIVALENT ITEM "9- "BAND-IT" SADDLE BRACKET OR EOUIVALENT
- POST CAP MOUNT

 MAST ARM MOUNT

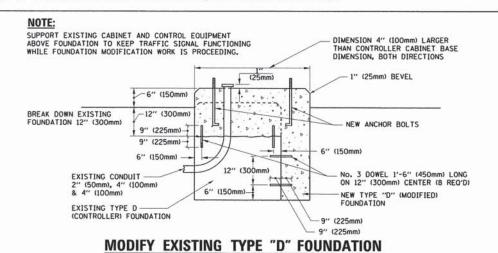


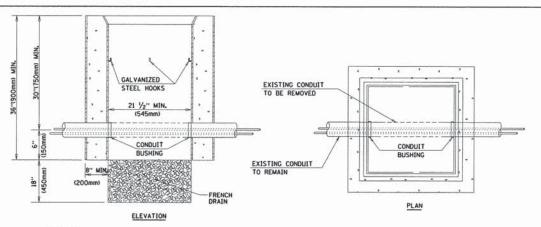
Α	В	С	HEIGHT	WEIGHT		
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)		
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)		
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)		
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)		

SHROUD

NOTES:

- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD.
 THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.





NOTES:

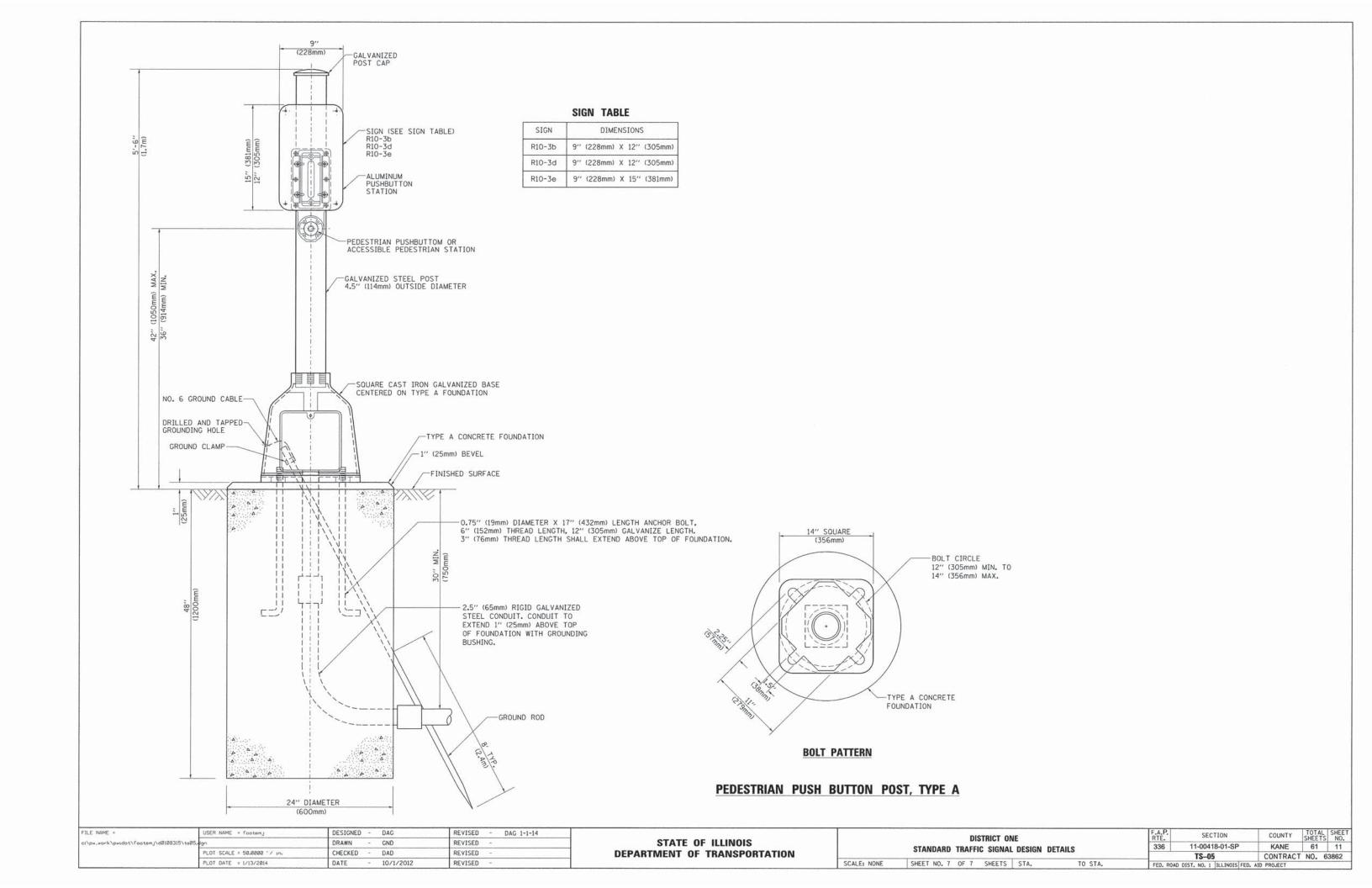
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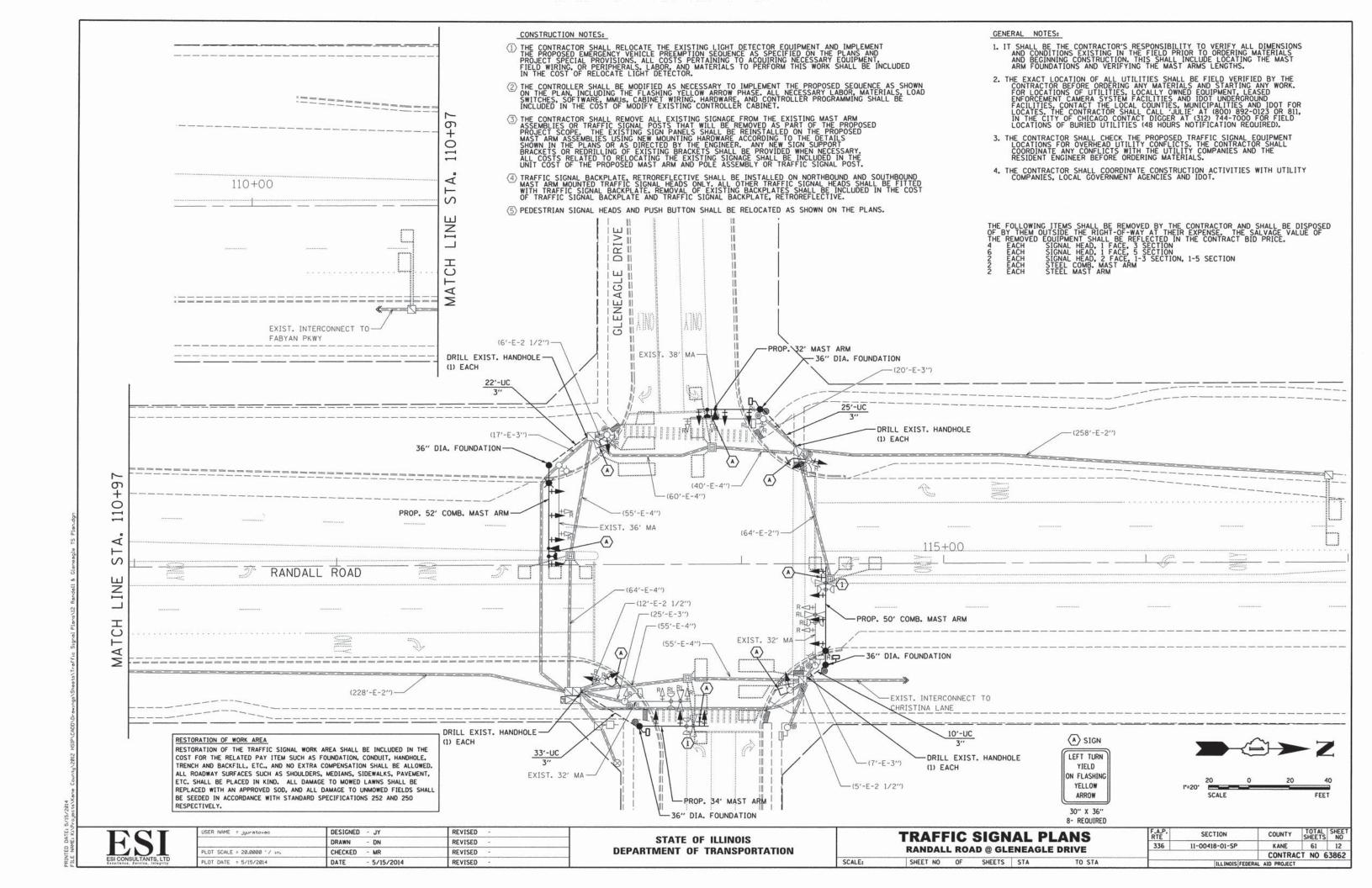
- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

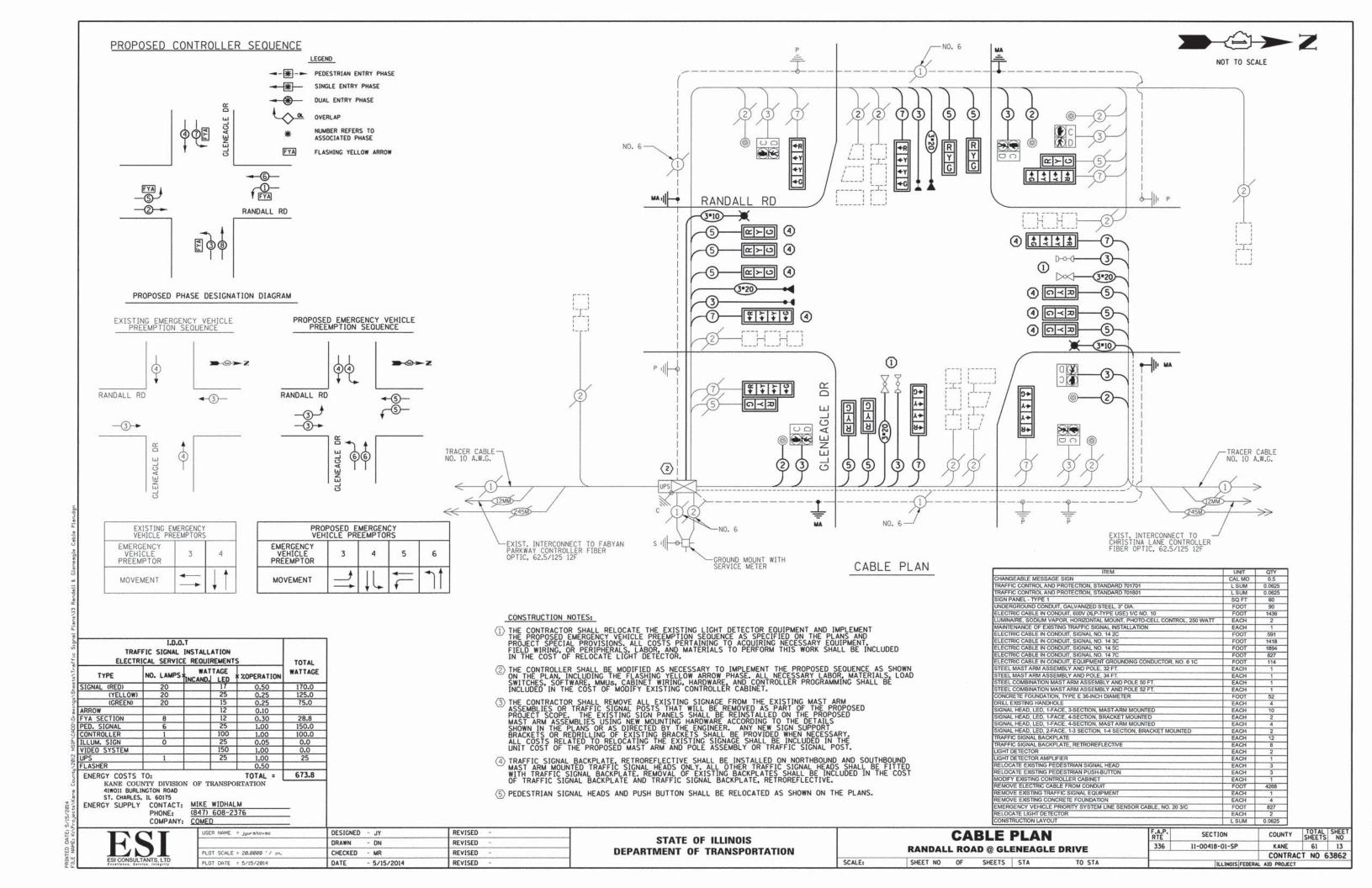
HANDHOLE TO INTERCEPT EXISTING CONDUIT

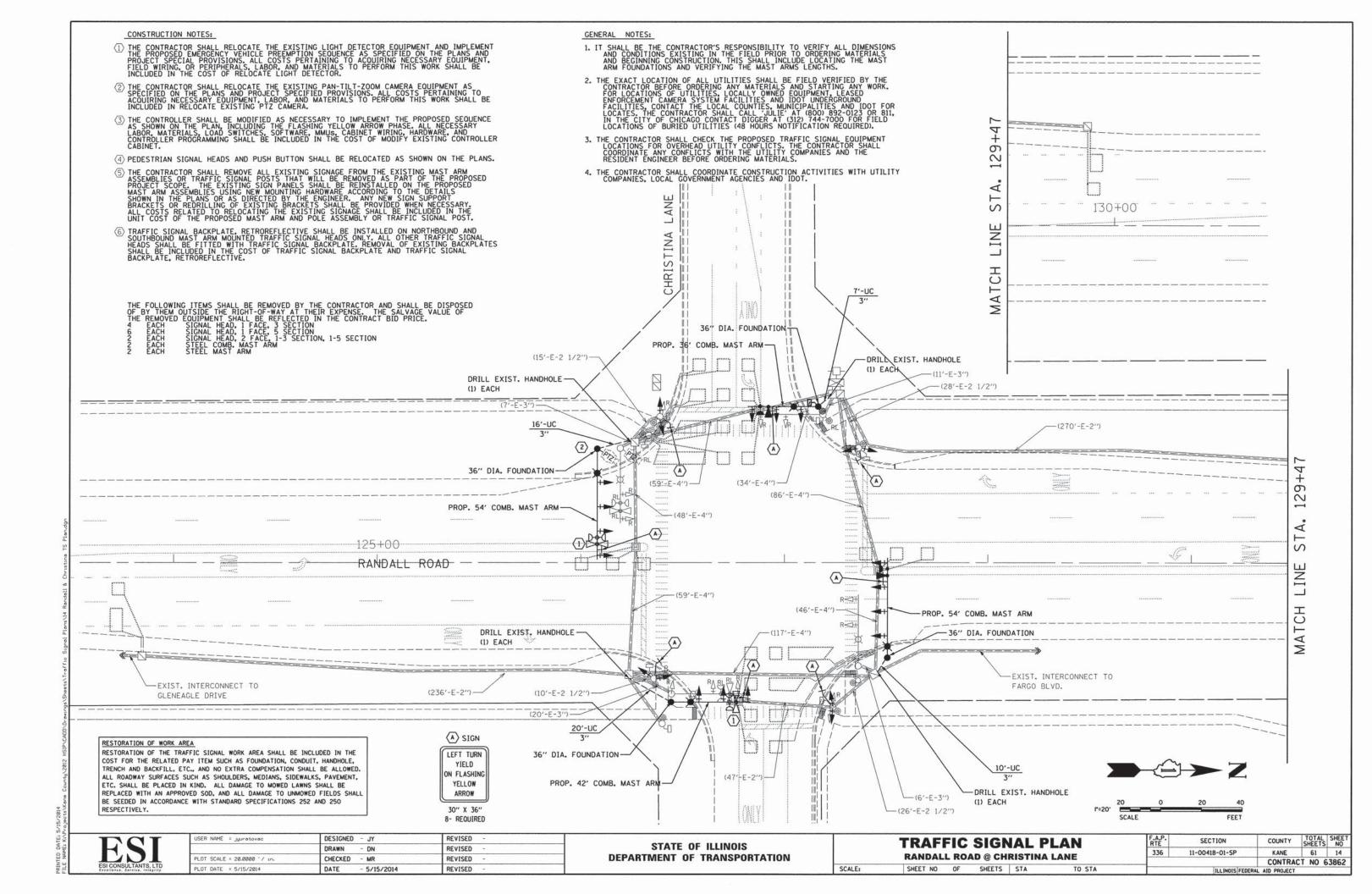
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

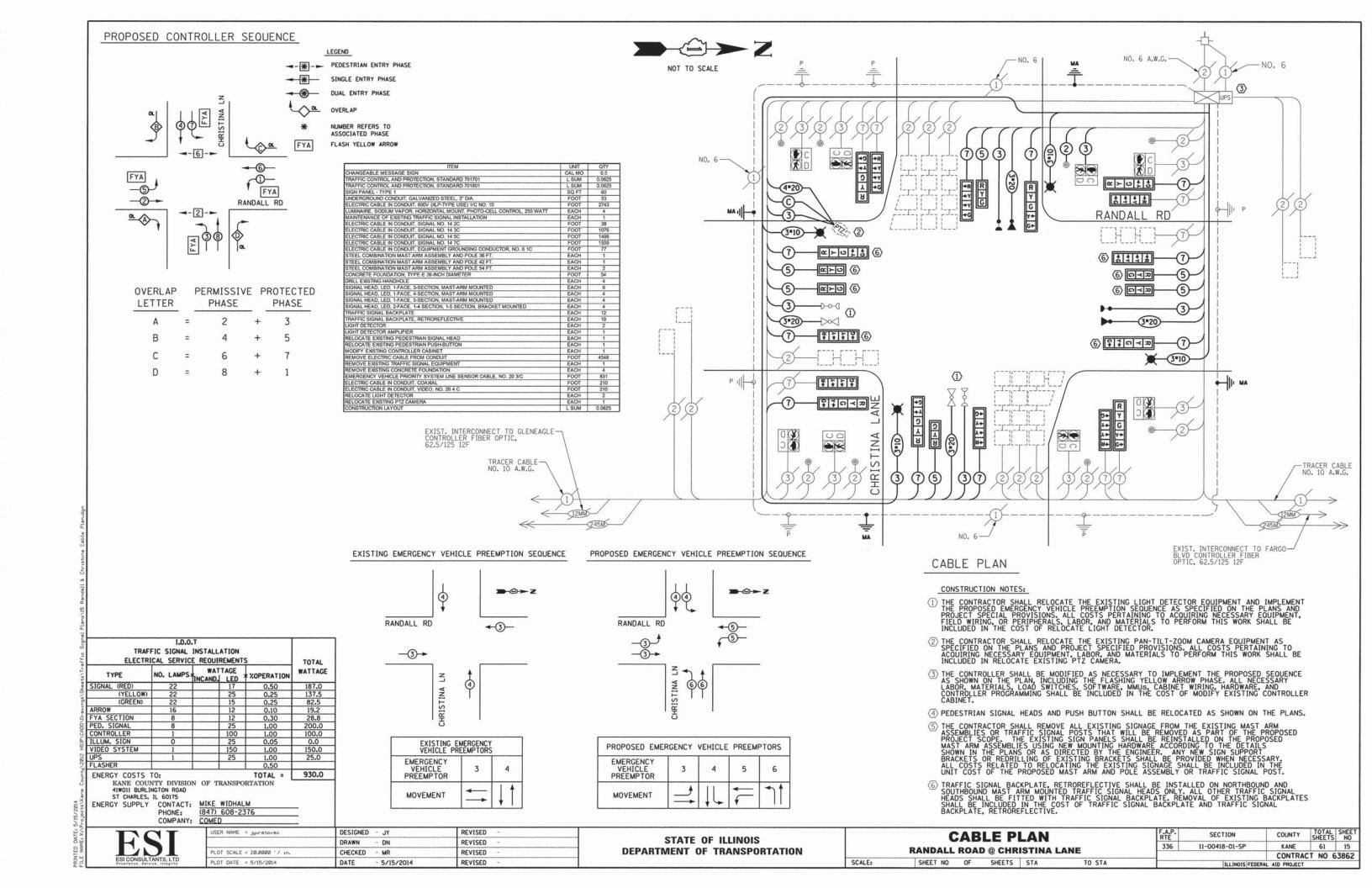
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS					F.A.P. SECTION		COUNTY TOTAL SHE		
					336	11-00418-01-SP	KANE	61	10
					TS-05 CONTRACT NO. 63				
SHEET NO. 6	OF 7	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

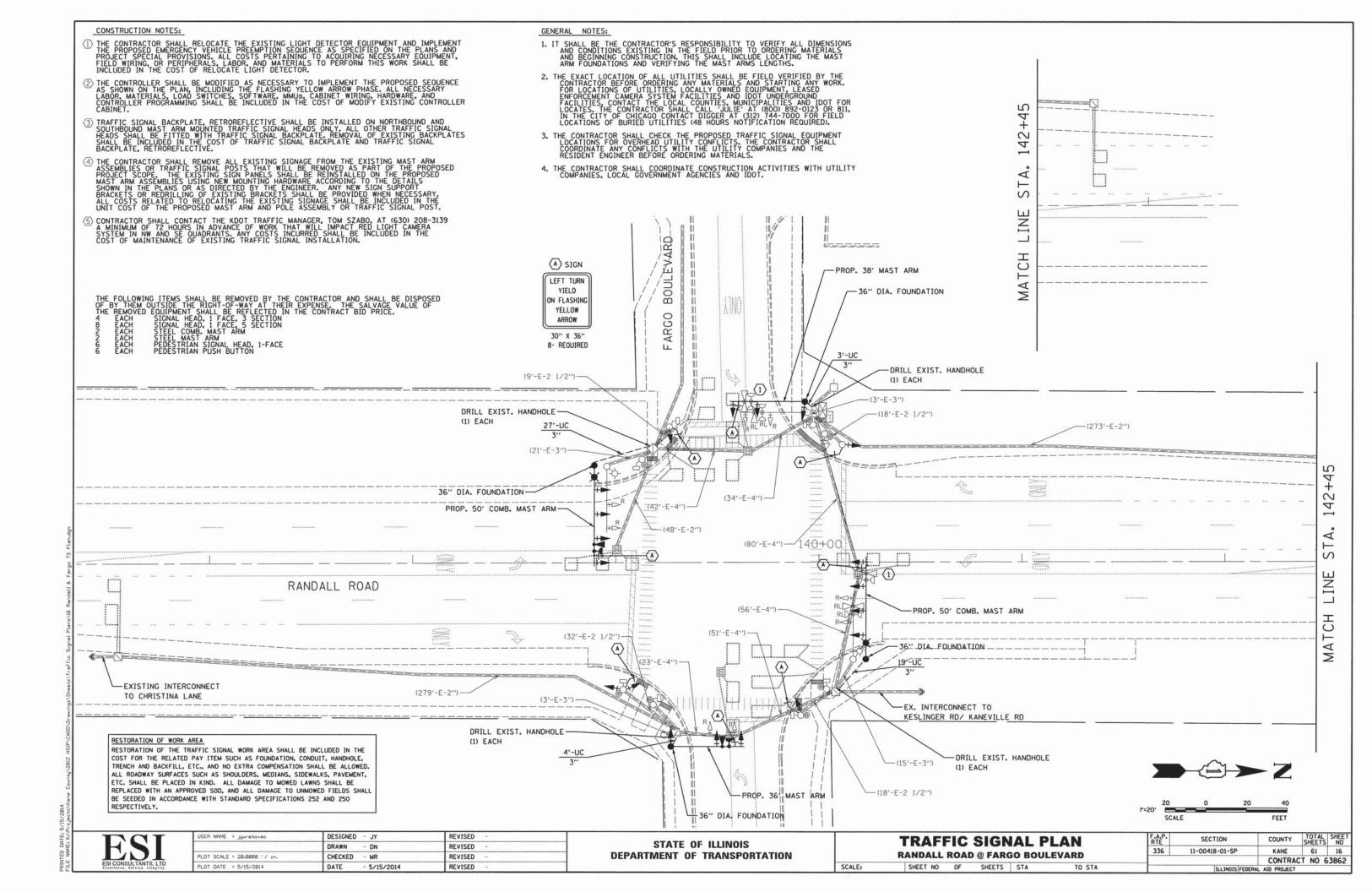


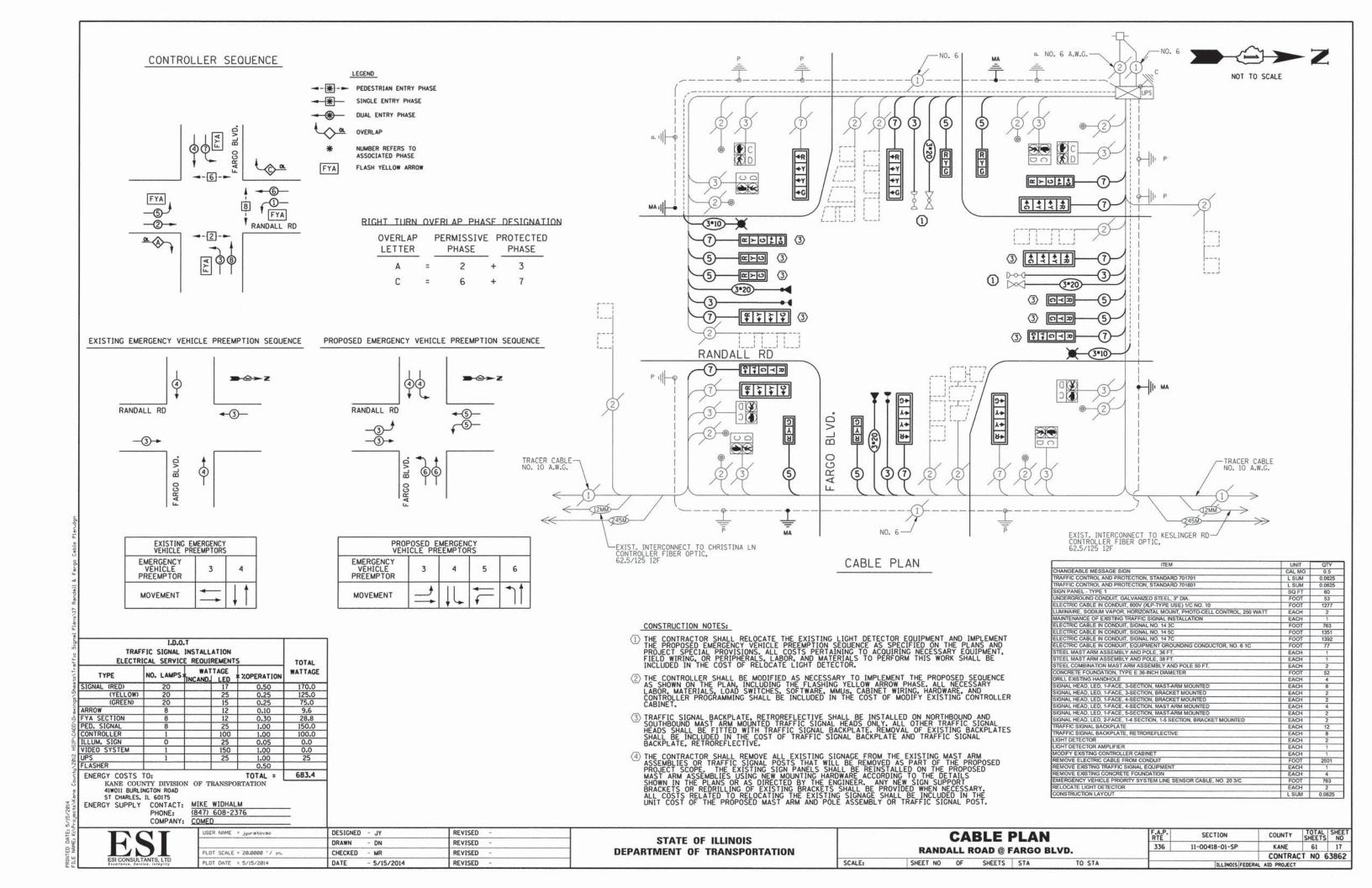


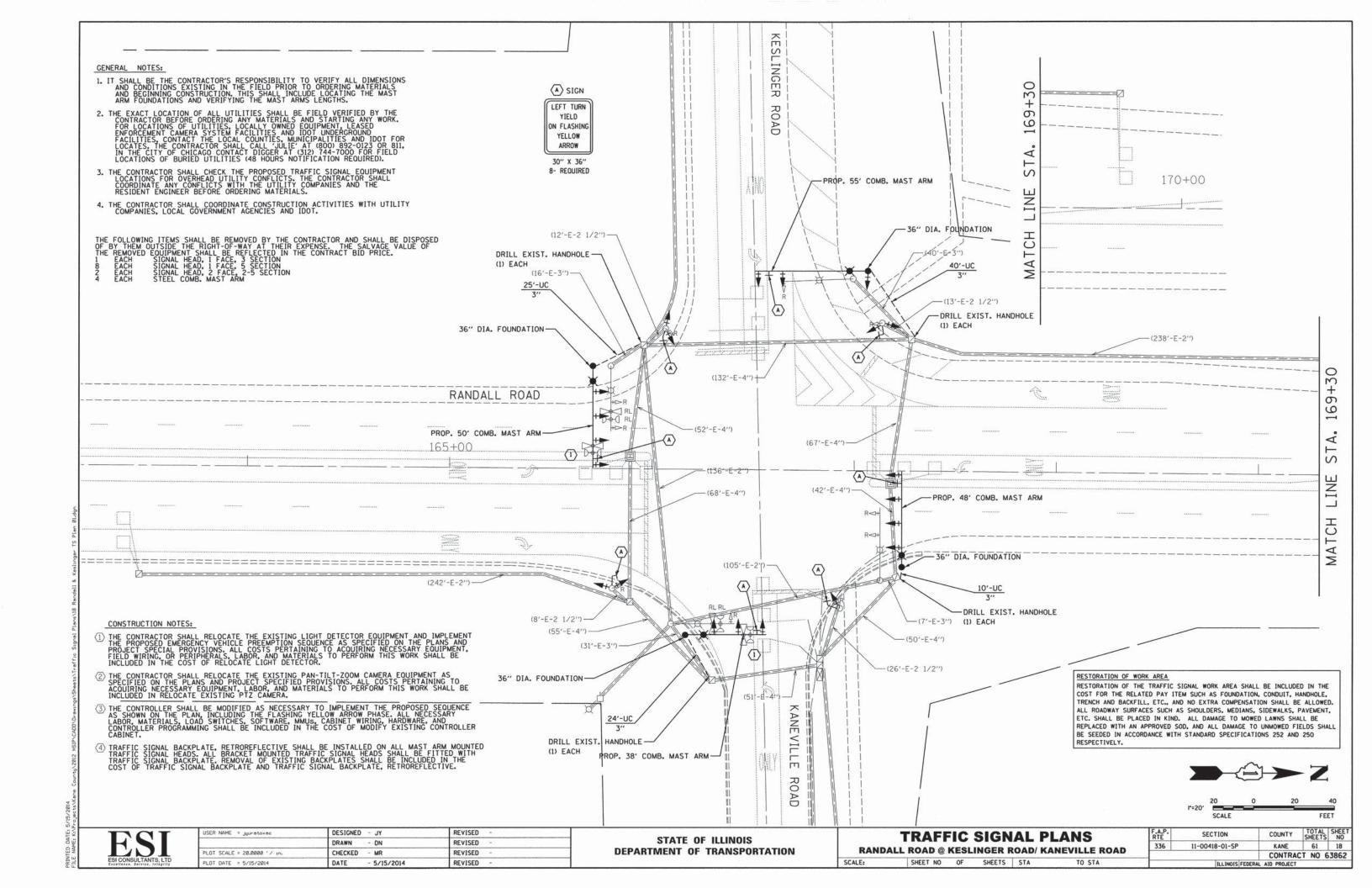


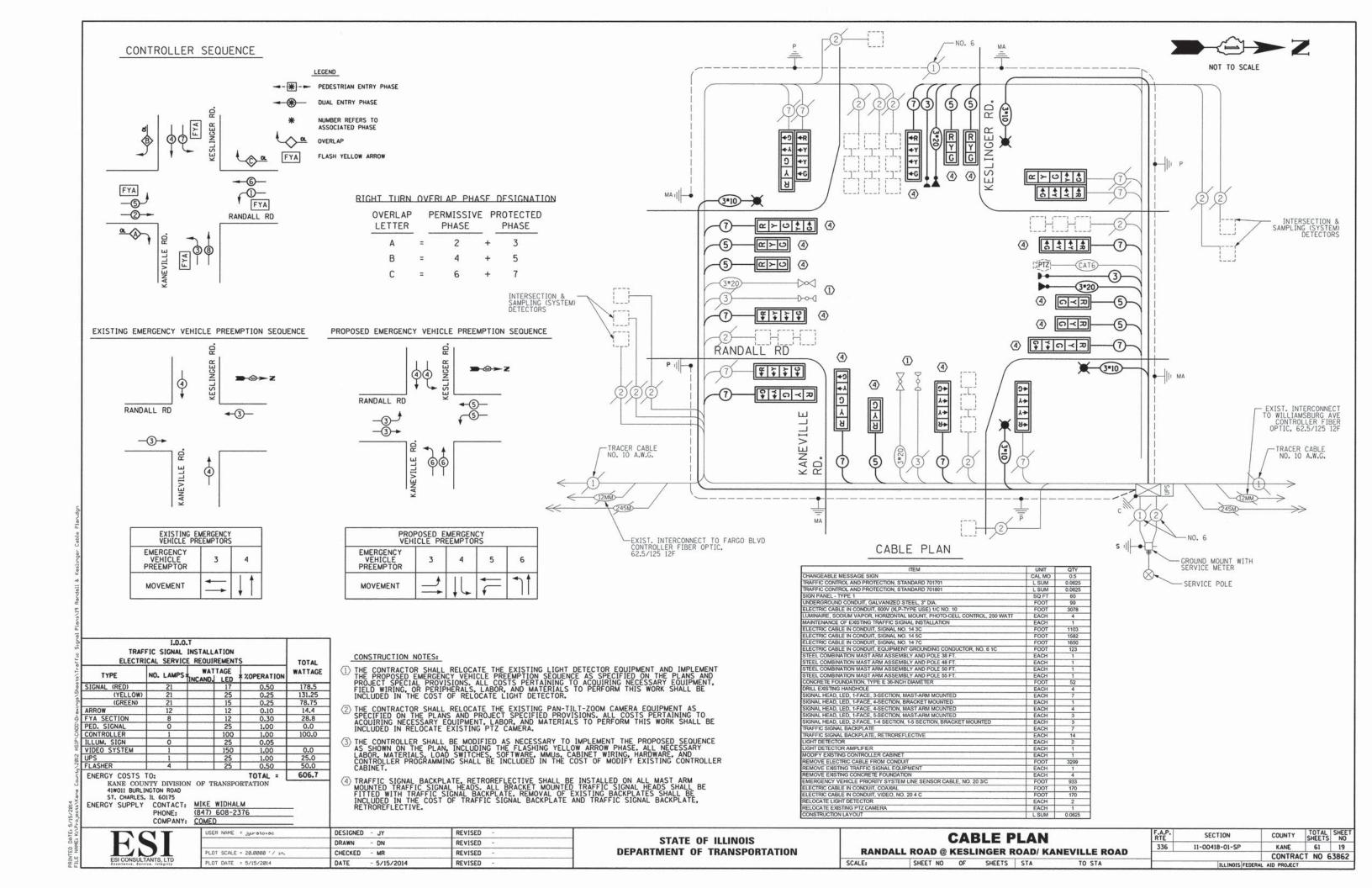


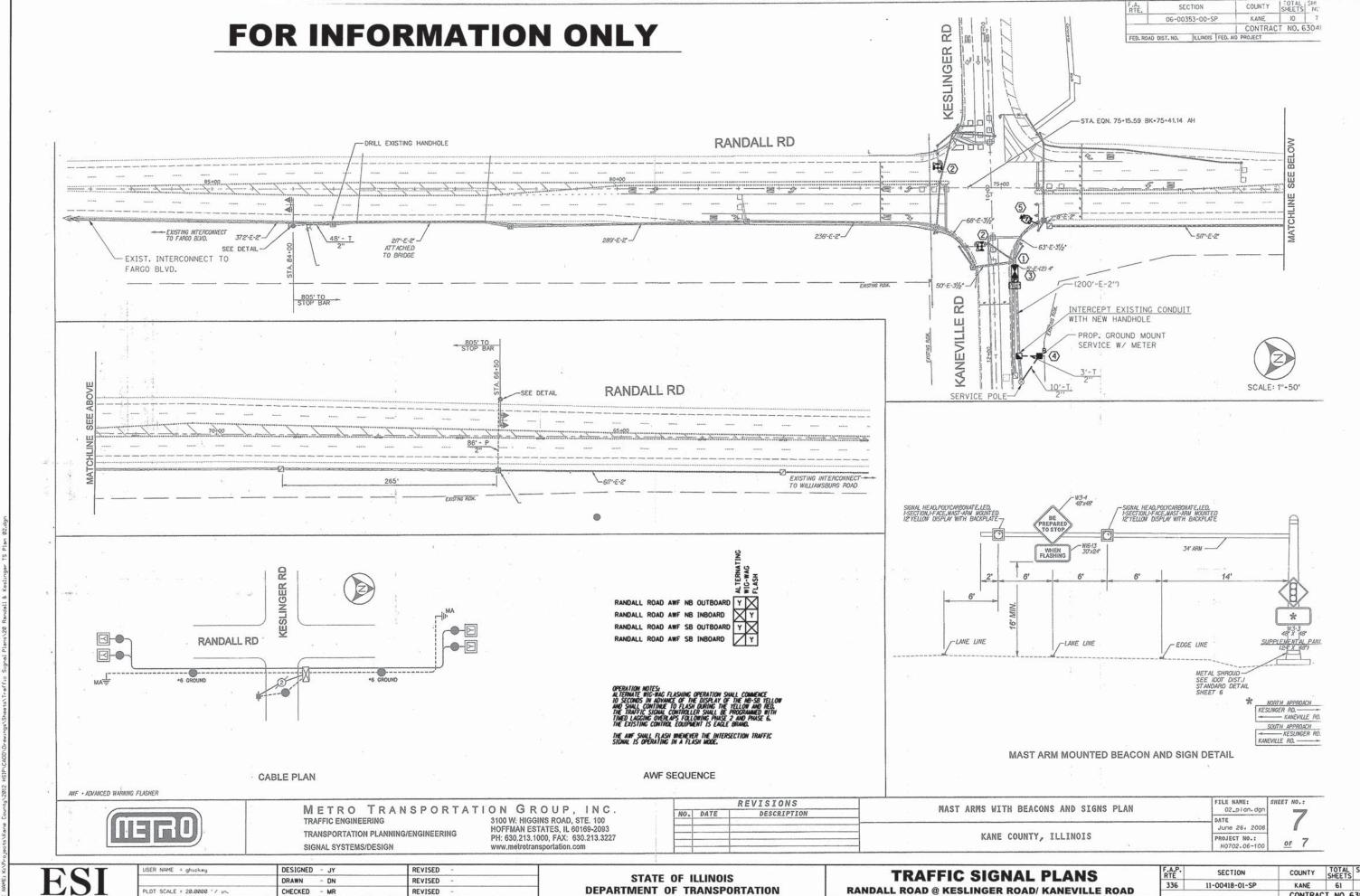










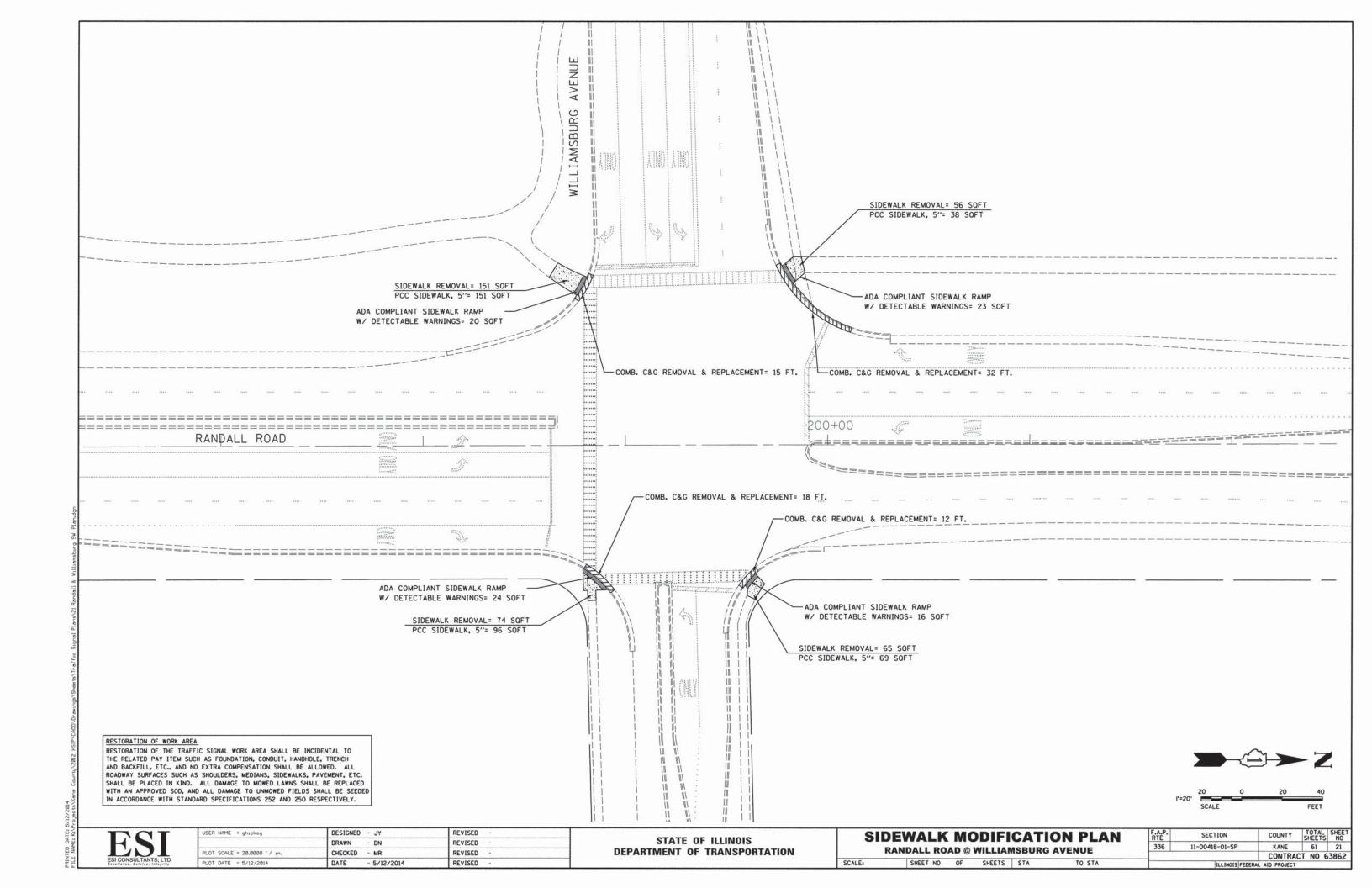


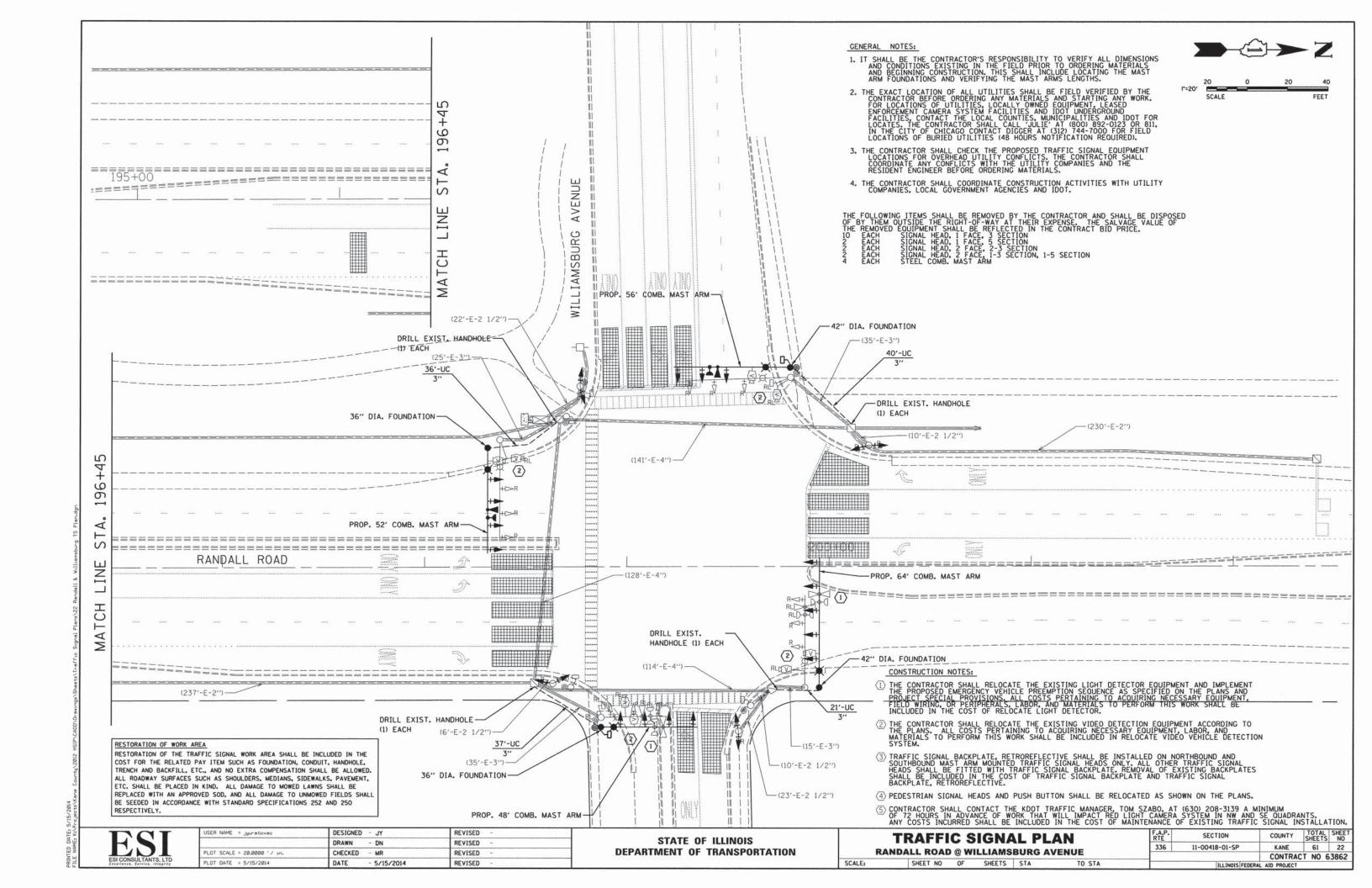
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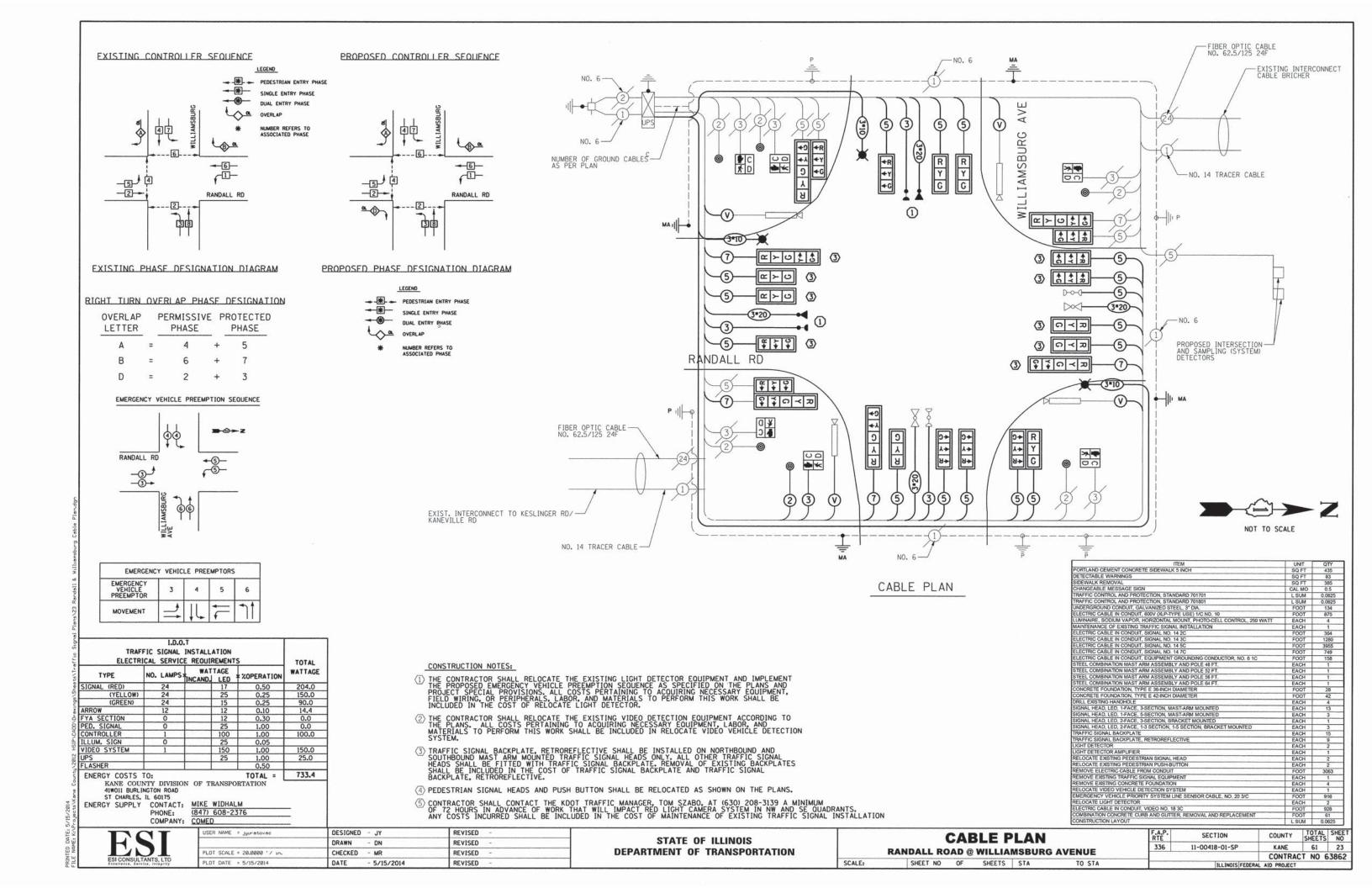
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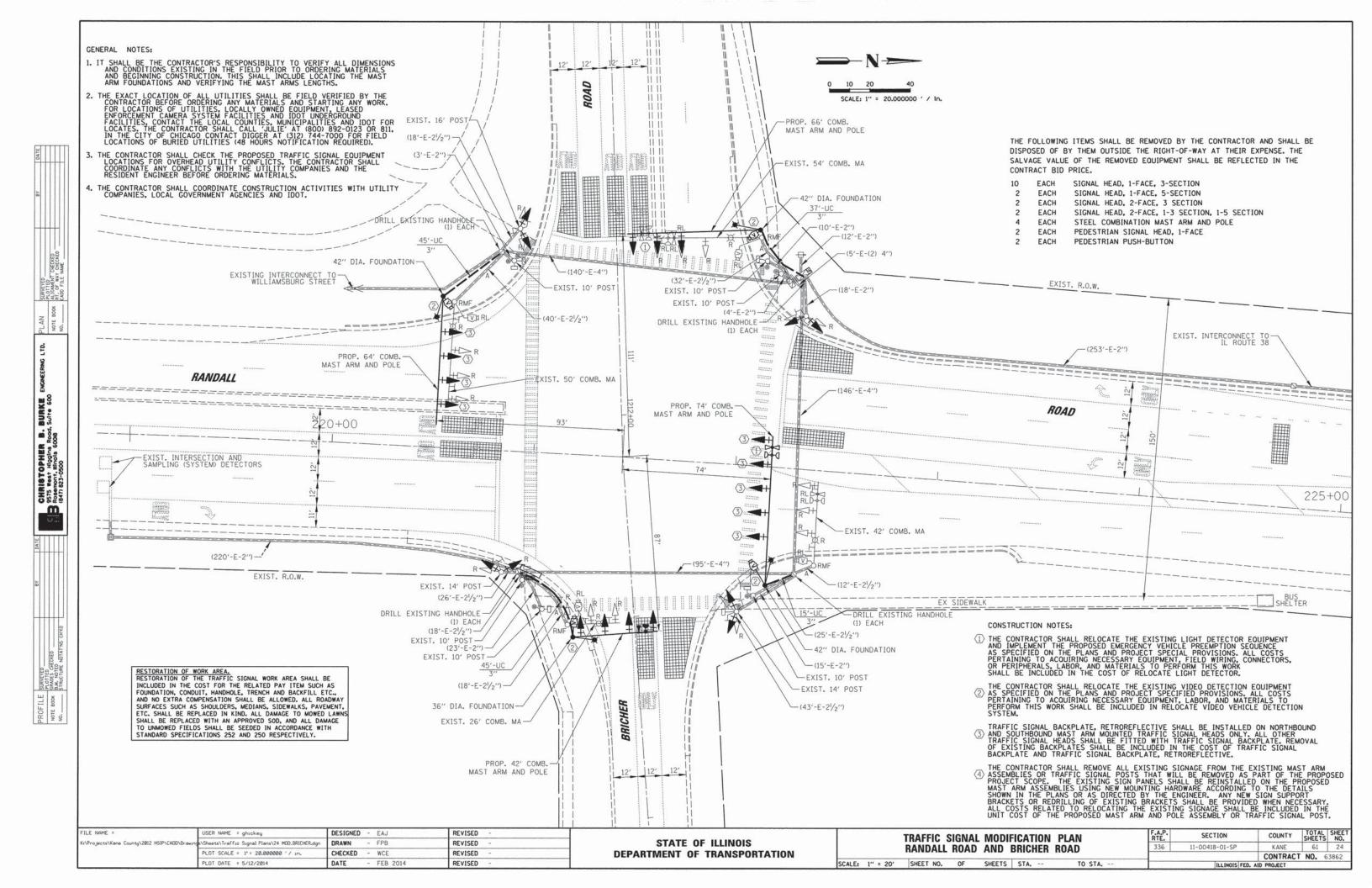
RANDALL ROAD @ KESLINGER ROAD/ KANEVILLE ROAD SHEET NO OF SHEETS STA

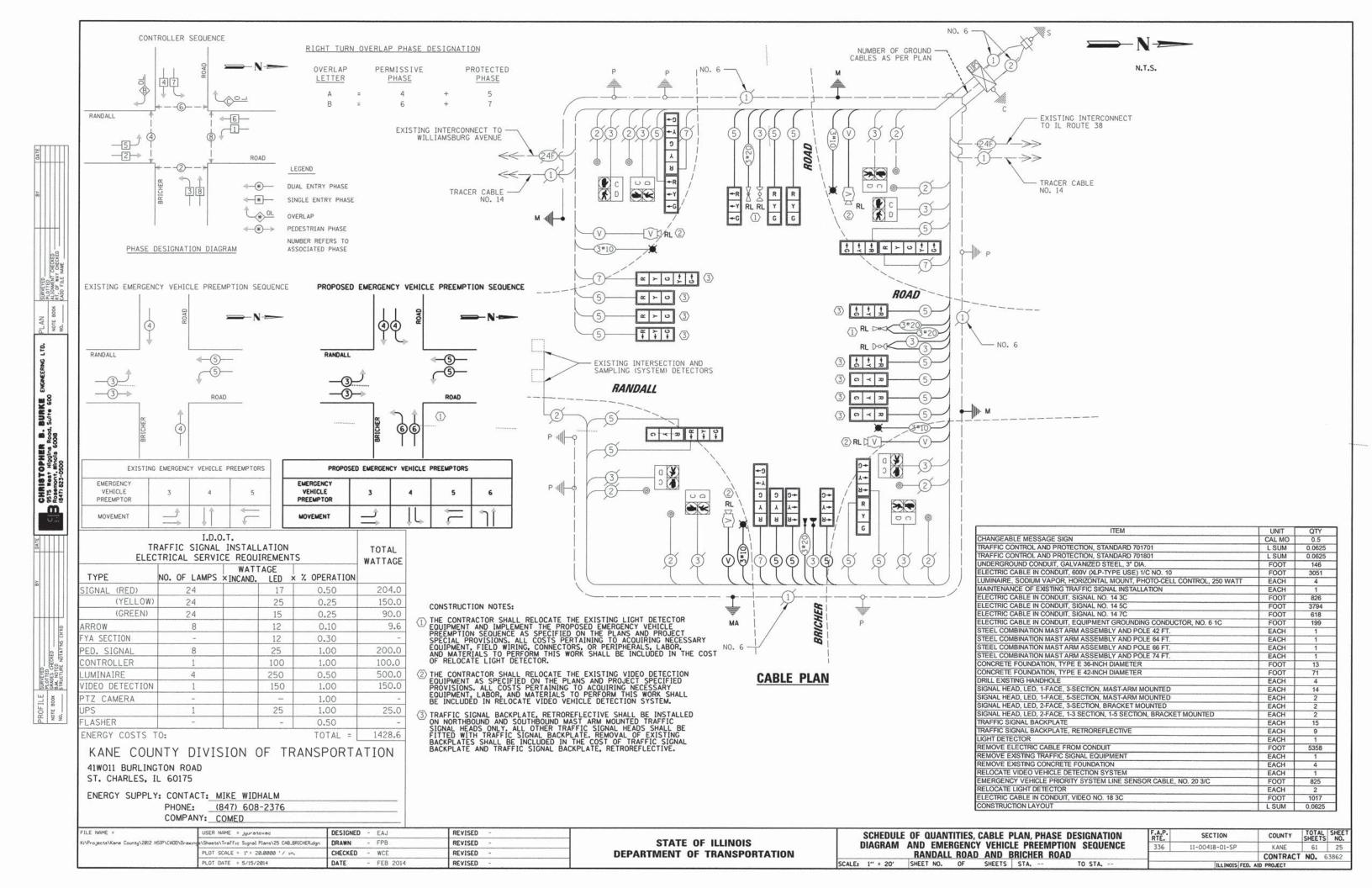
CONTRACT NO 63862

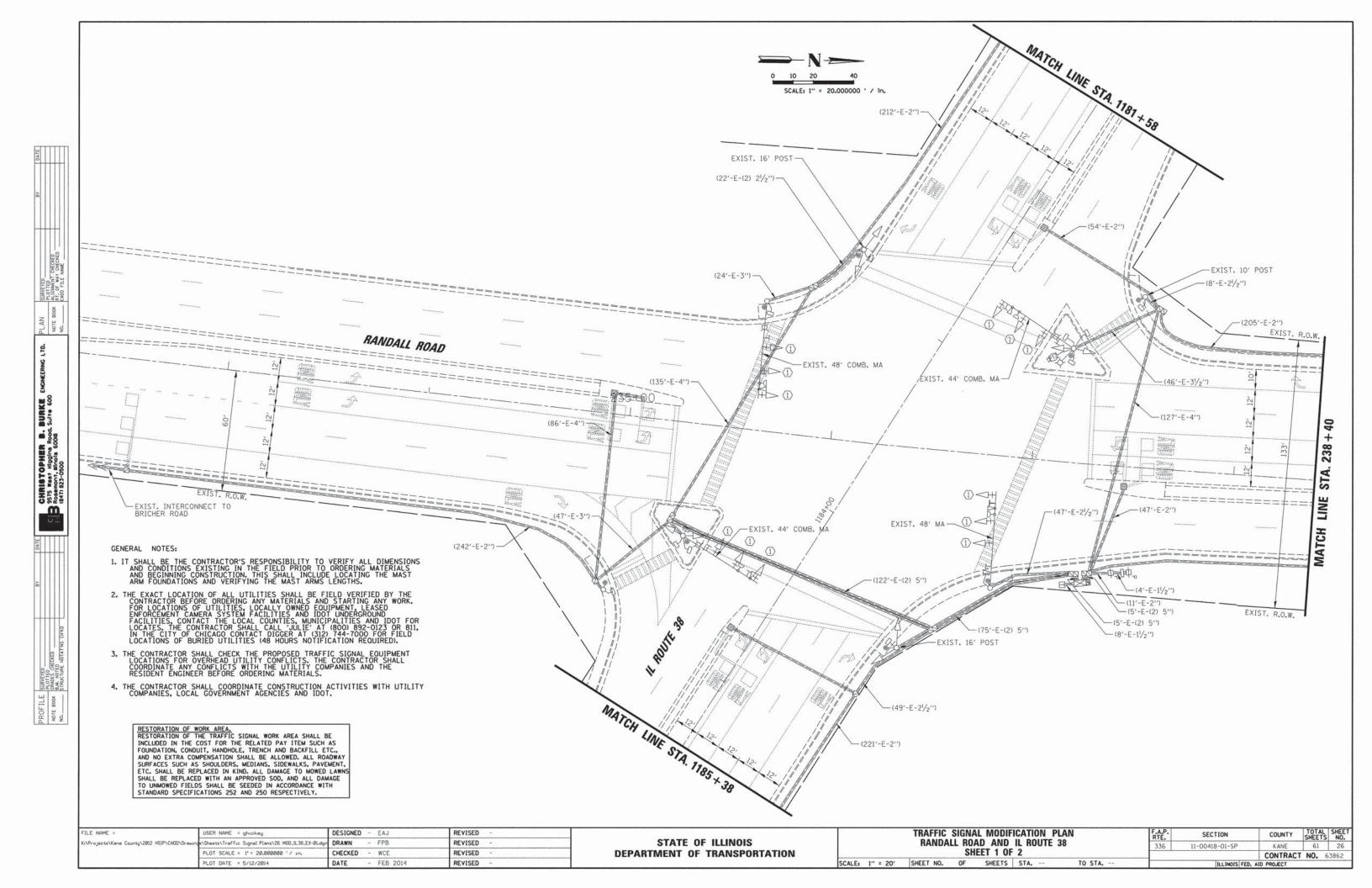






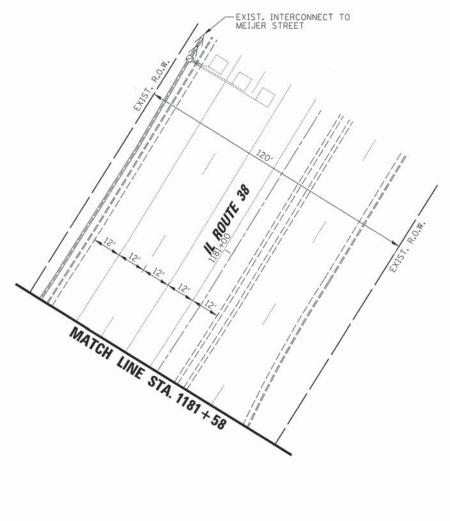


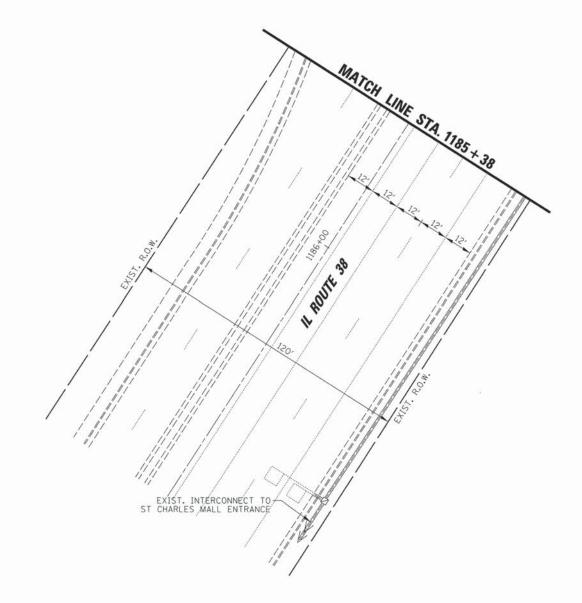


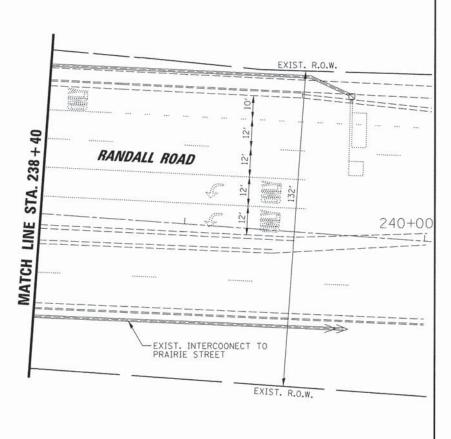




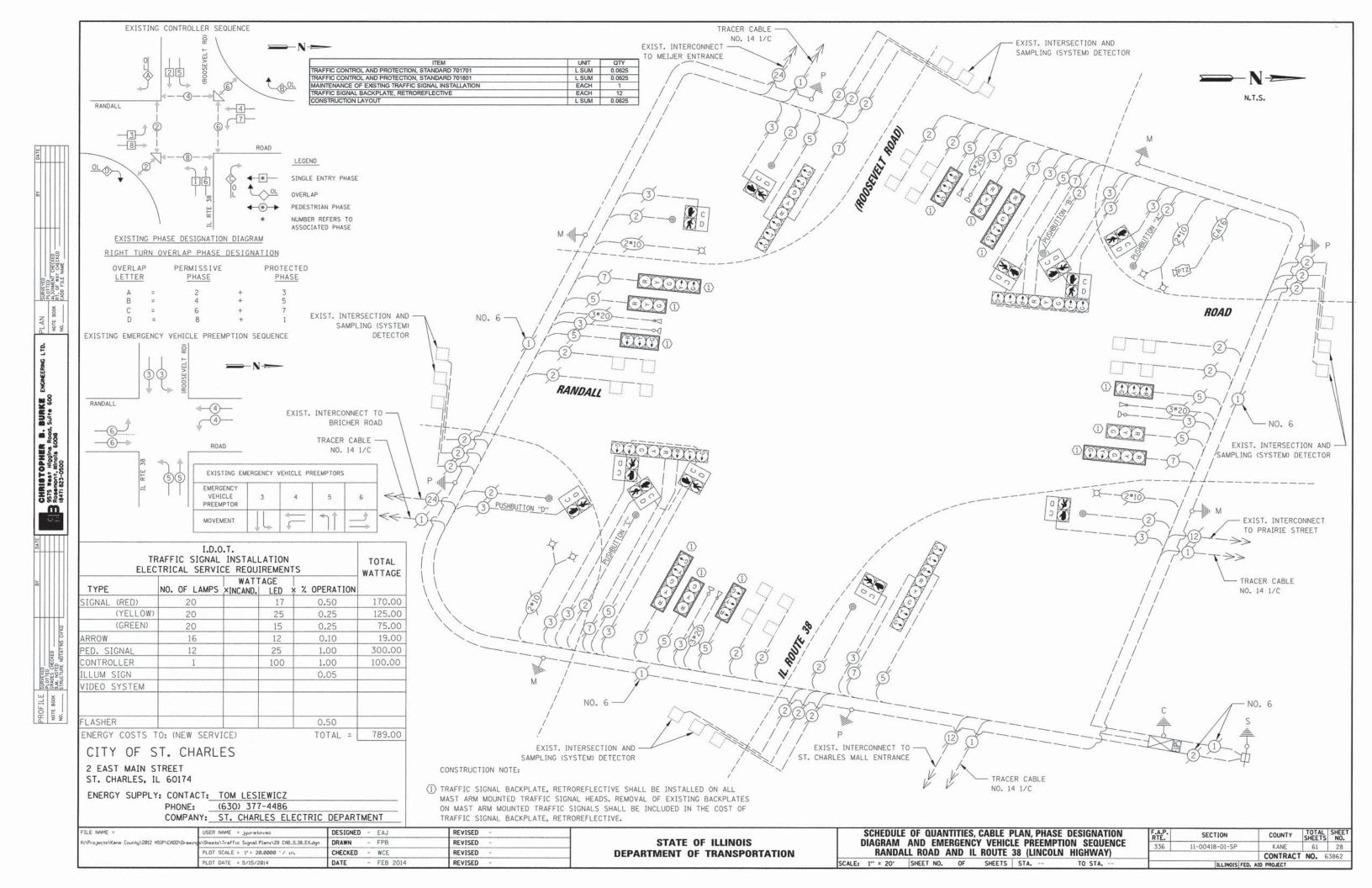


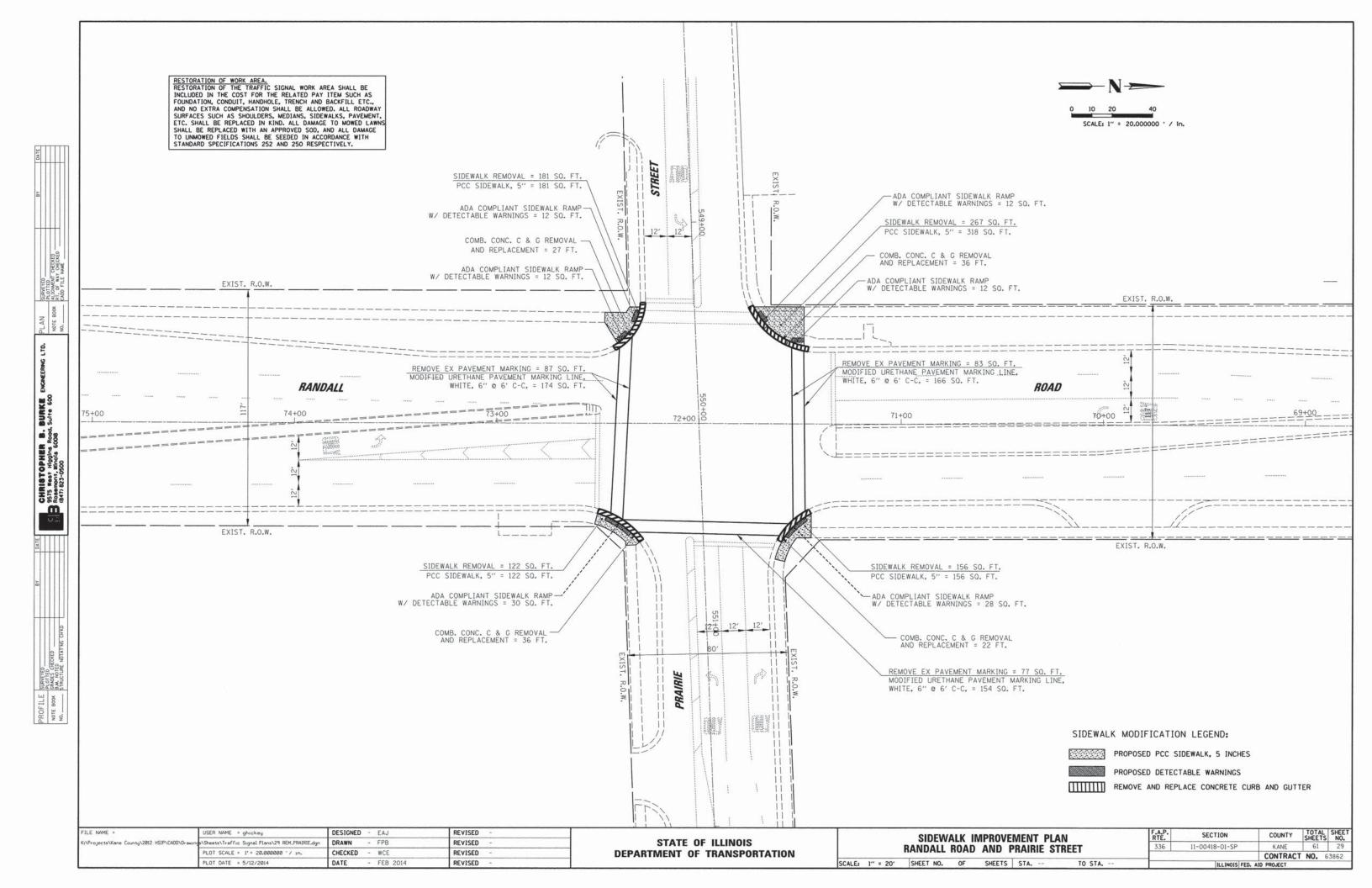


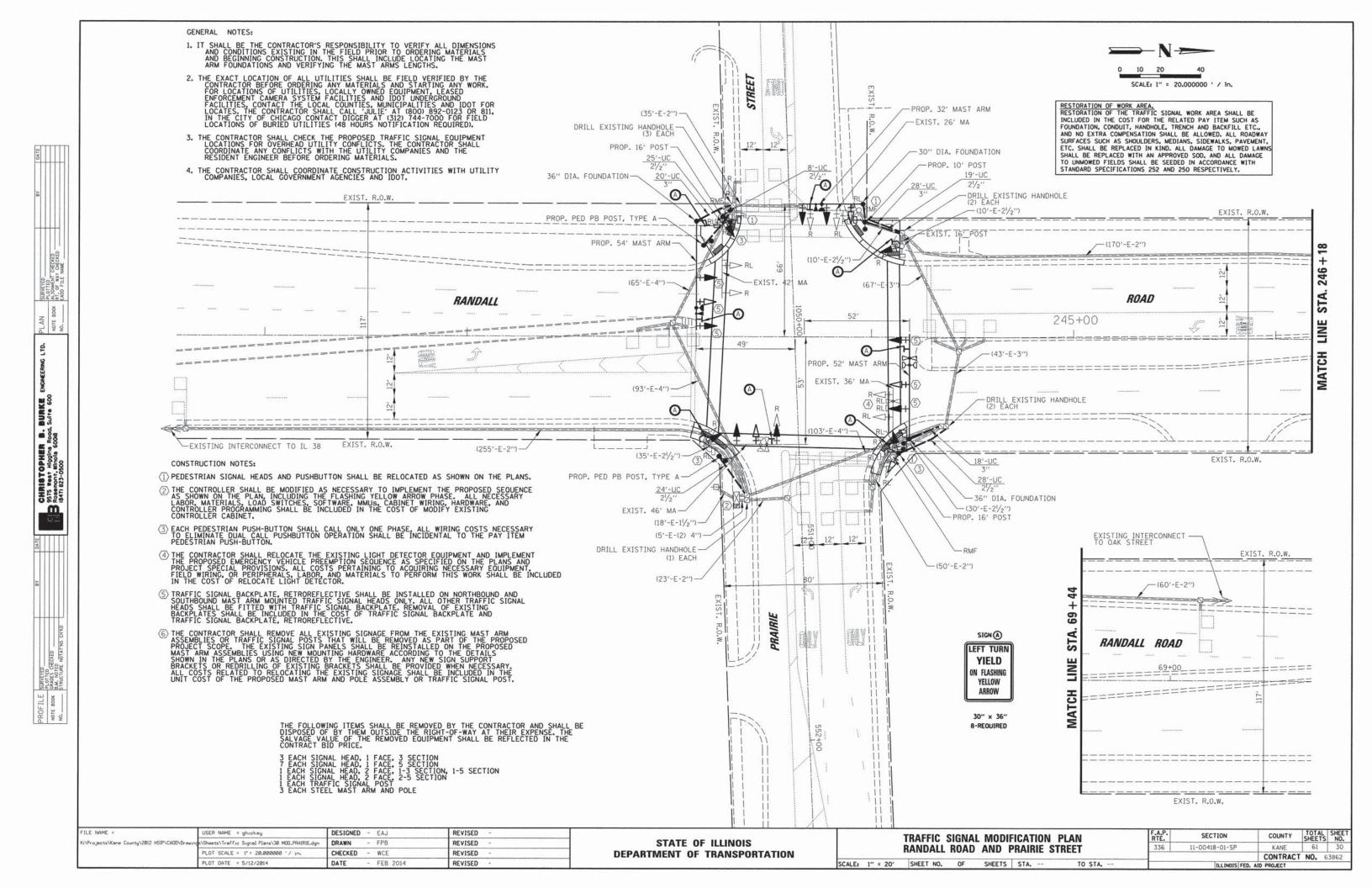


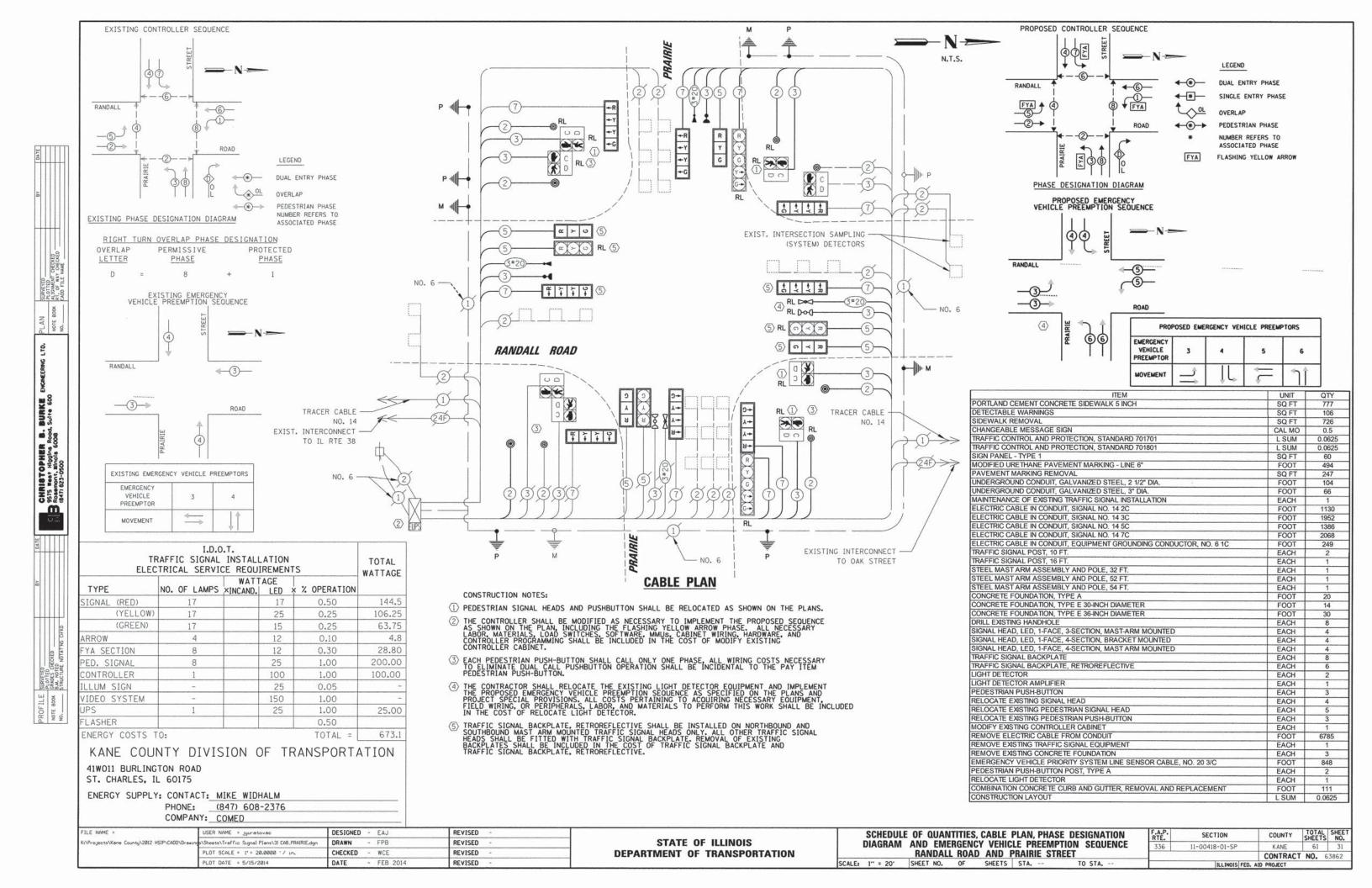


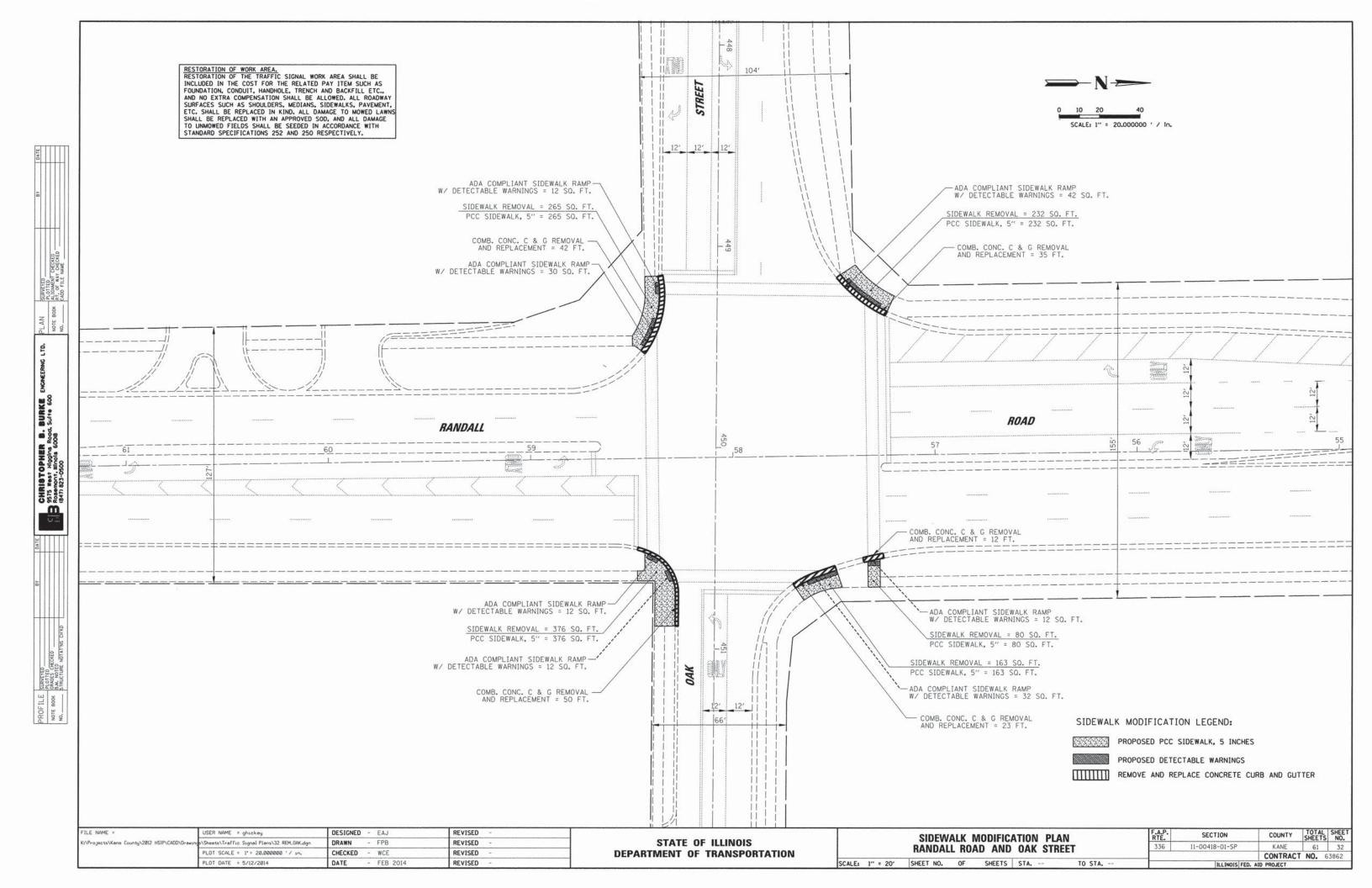
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	PLOT SCALE = 1° = 20.000000 '/ in.	CHECKED - WCE	REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET 2 OF 2	336	11-00416-01-5F	CONTRACT	T NO 63862
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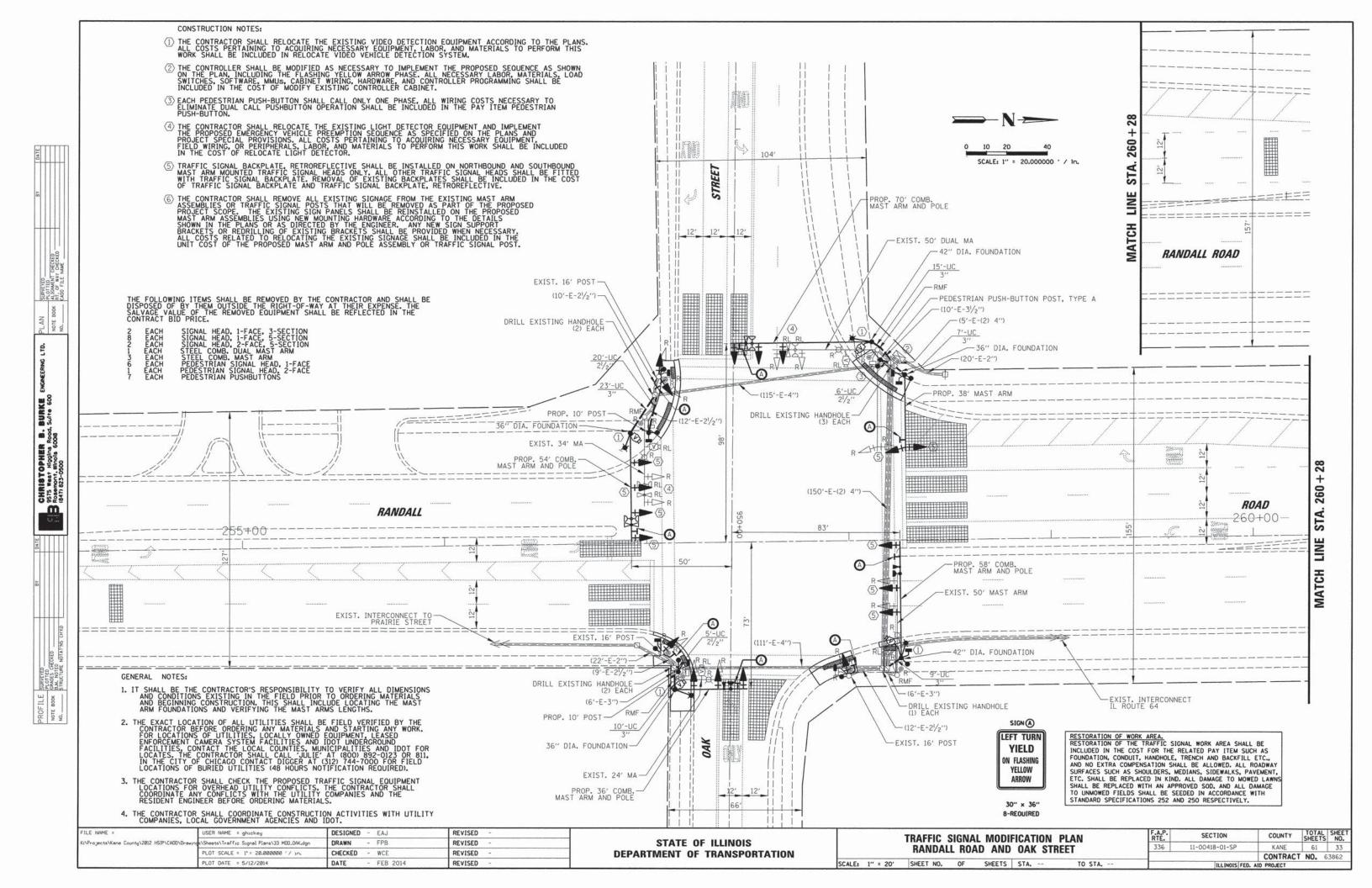


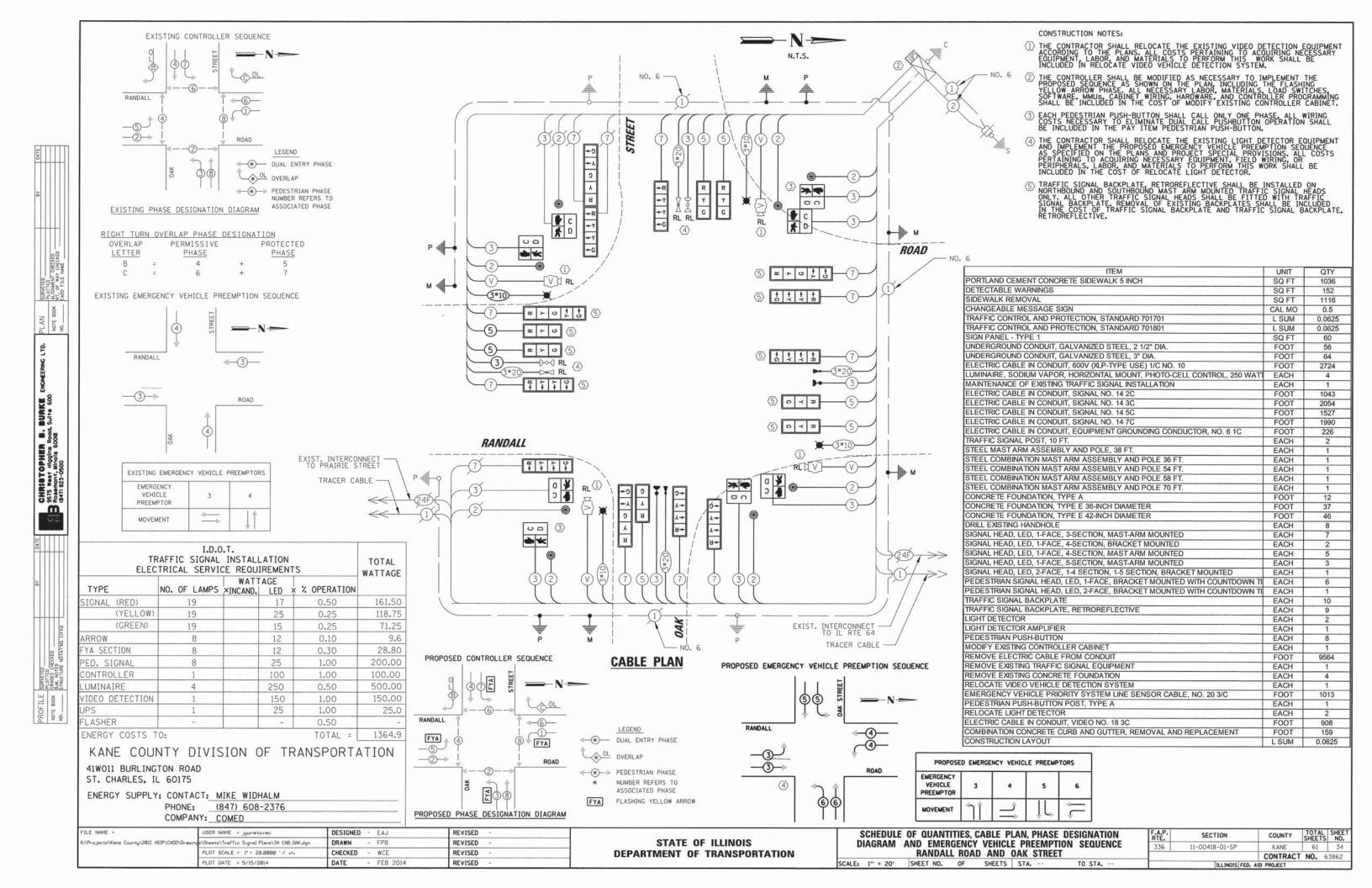


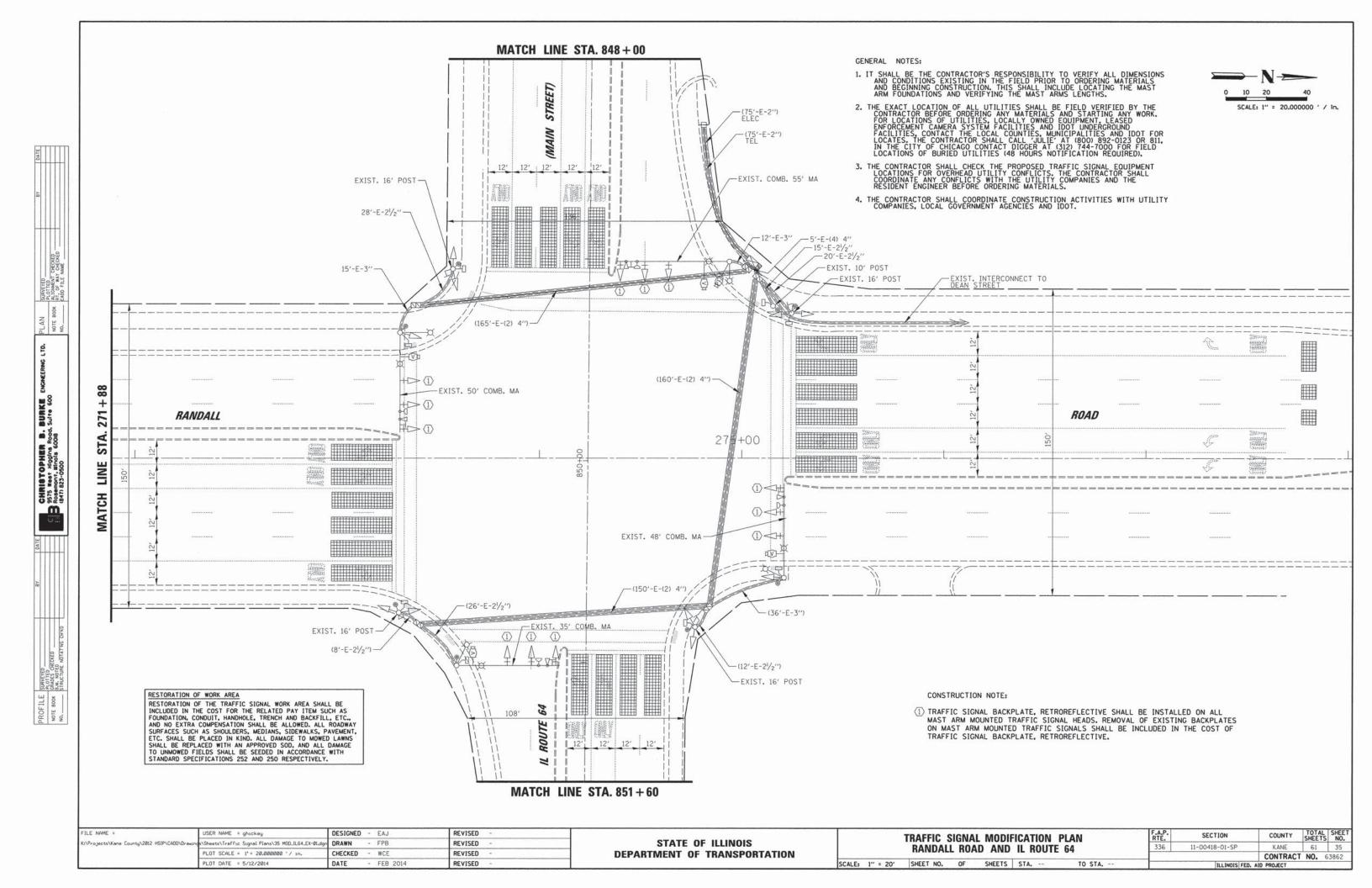


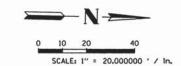












RANDALL ROAD

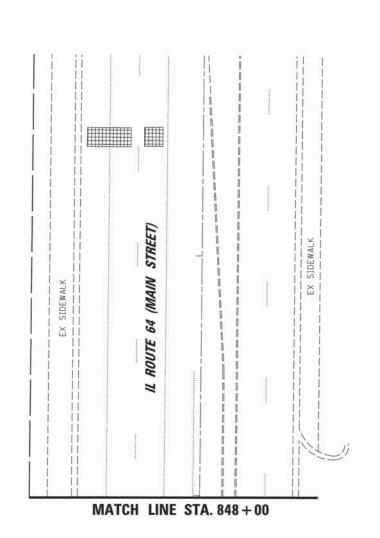
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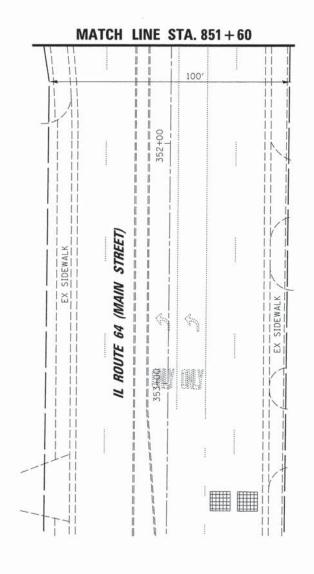
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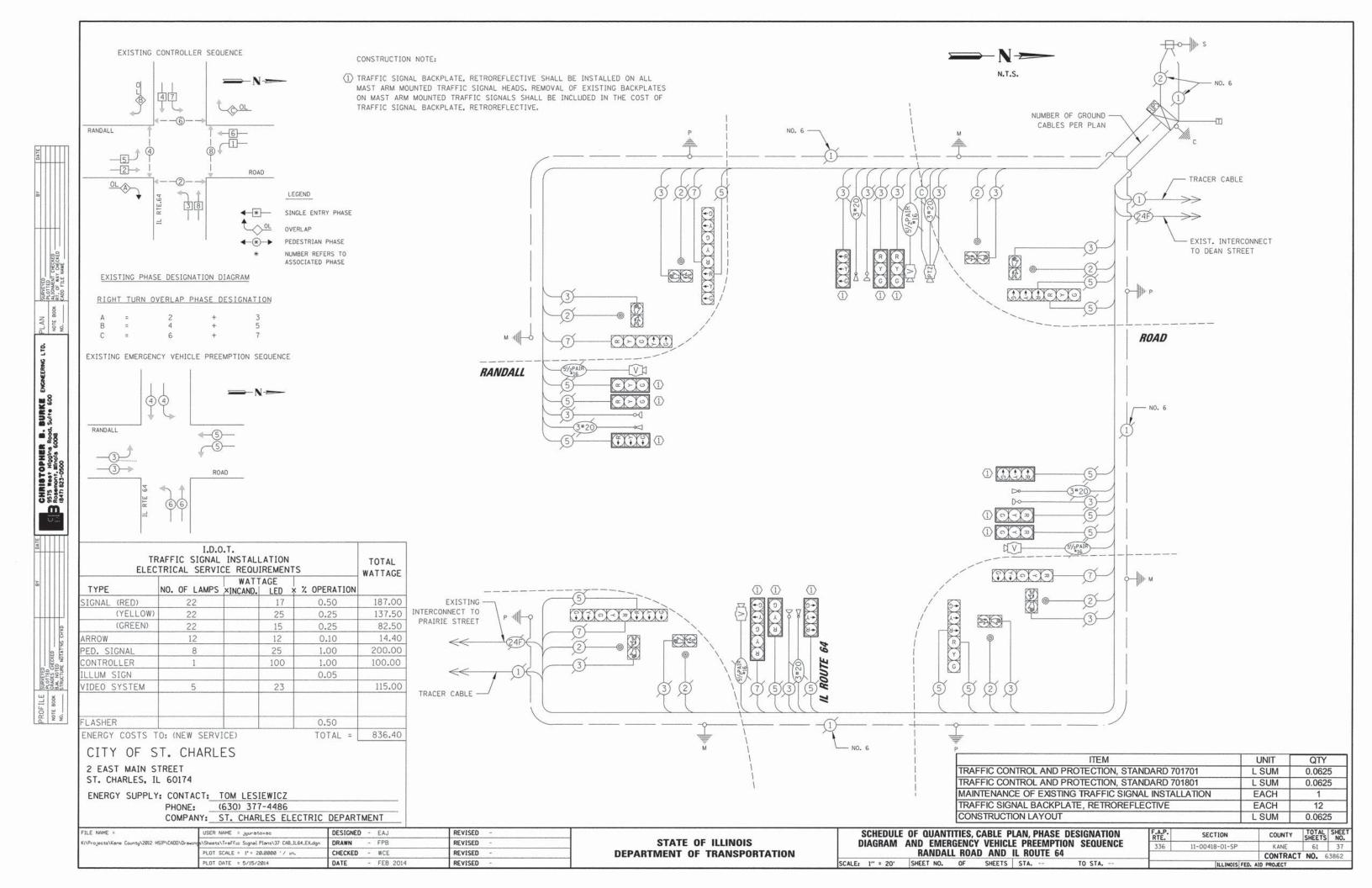
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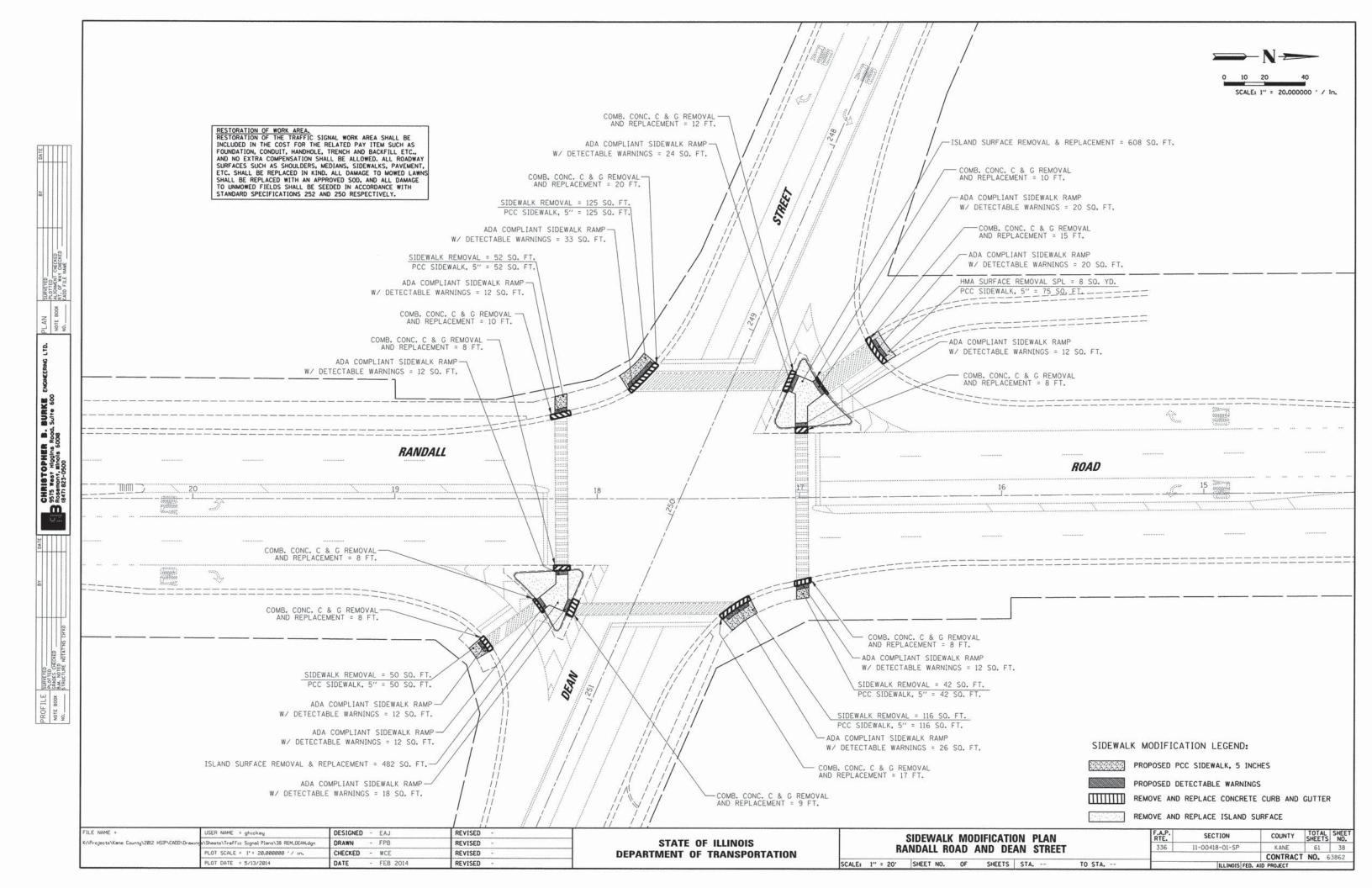
CHRISTOPHER B. BURKE G 9575 west Higgins Rood, Suite 600 88 Rosemont, minols 6008 (847) 823-0500

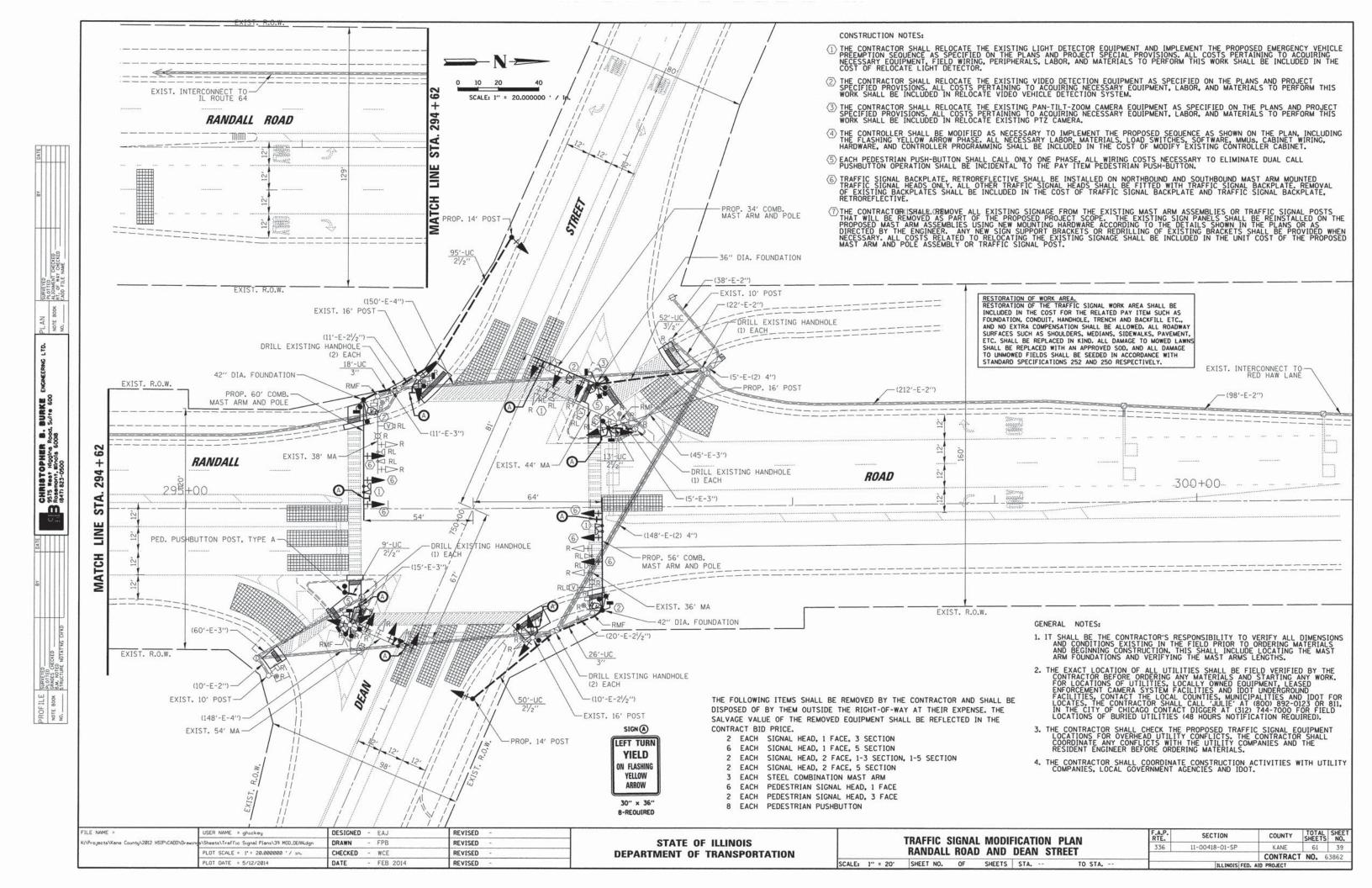


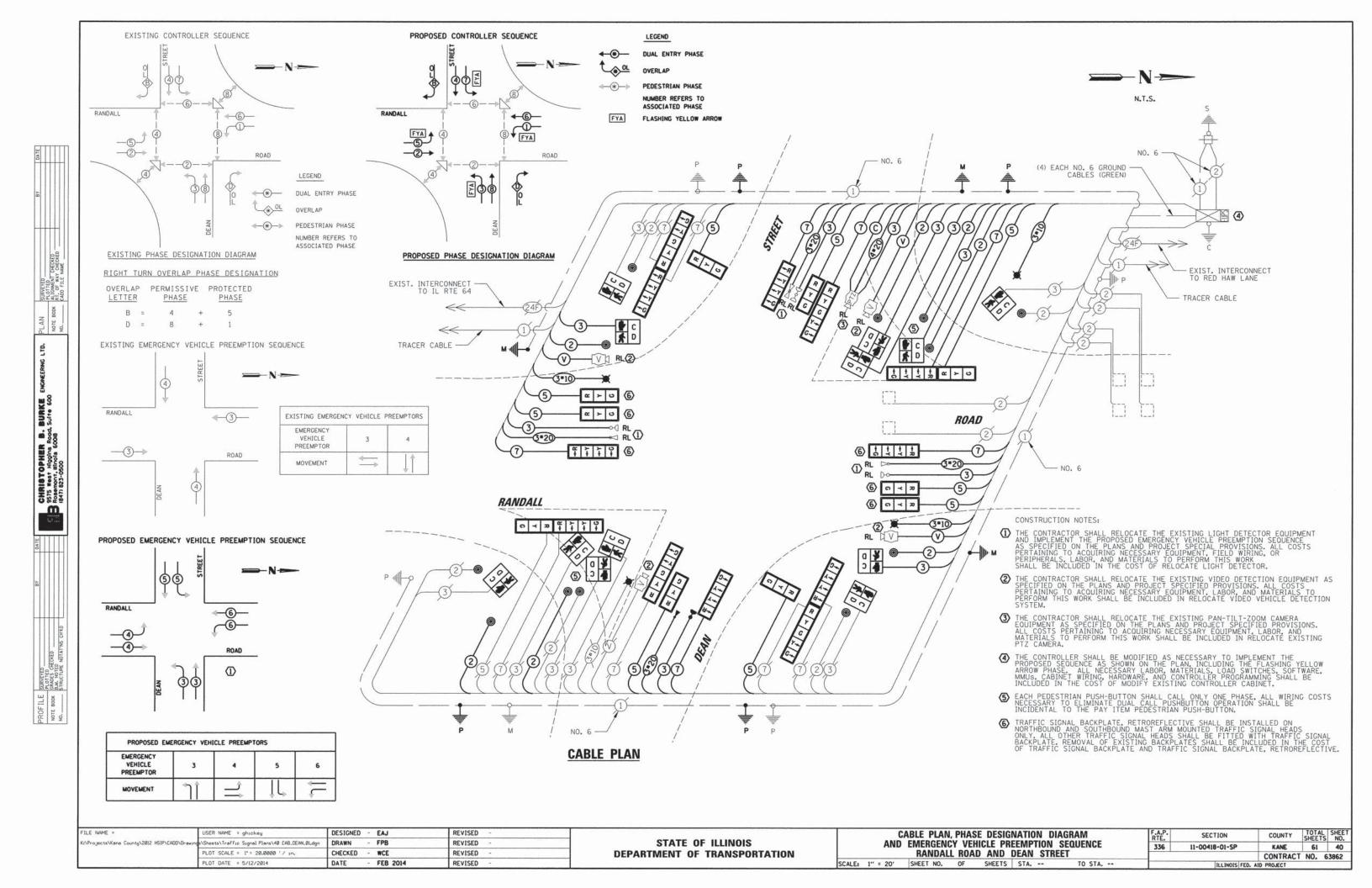


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	PLOT SCALE = 1' = 20.000000 ' / in.	CHECKED - WCE	REVISED -	DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AND IL ROUTE 64	330	11 00410 01 31	CONTRACT	T NO 63952
	PLOT DATE = 5/12/2014	DATE - FEB 2014	REVISED -		SCALE: 1" = 20' SHEET NO. OF SHEETS STA TO STA		ILLINOIS FED.	AID PROJECT	1 110. 03002









PHER B. BURKE ENCACERANG LTO. PLAN SCHWEED BY HIGGINS Road. Sulte 600 NOTE 800K RILOMENT CHECKED NOTE 800K RILOMENT CHECKED NO. CADO FILE NAME

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO. OF LAMPS	× % OPERATION	WATTAGE						
SIGNAL (RED)	22		17	0.50	187.0				
(YELLOW)	22		25	0.25	137.5				
(GREEN)	22		15	0.25	82.5				
ARROW	8		12	0.10	9.6				
FYA SECTION	8		12	0.30	28.8				
PED. SIGNAL	12		25	1.00	300.0				
CONTROLLER	1		100	1.00	100.0				
LUMINAIRE	4		250	0.50	500.0				
VIDEO DETECTION	1		150	1.00	150.0				
PTZ CAMERA	AMERA 1		AMERA 1		ERA 1		100	1.00	100.0
UPS	1		25	1.00	25.0				
FLASHER	-		-	0.50	-				
ENERGY COSTS T	0:			TOTAL =	1620.4				

KANE COUNTY DIVISION OF TRANSPORTATION
41W011 BURLINGTON ROAD
ST. CHARLES, IL 60175

ENERGY SUPPLY: CONTACT: MIKE WIDHALM

FILE NAME =

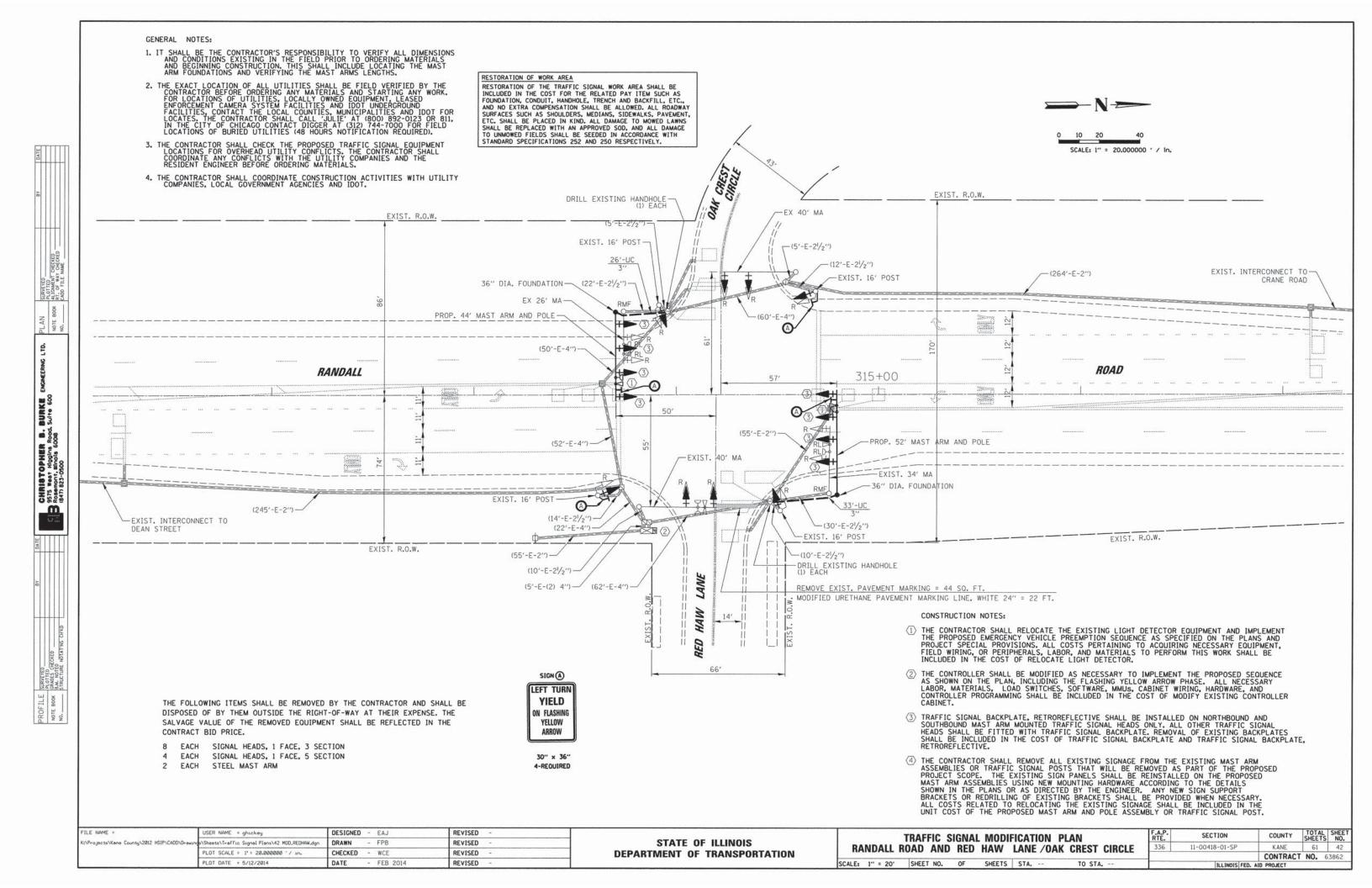
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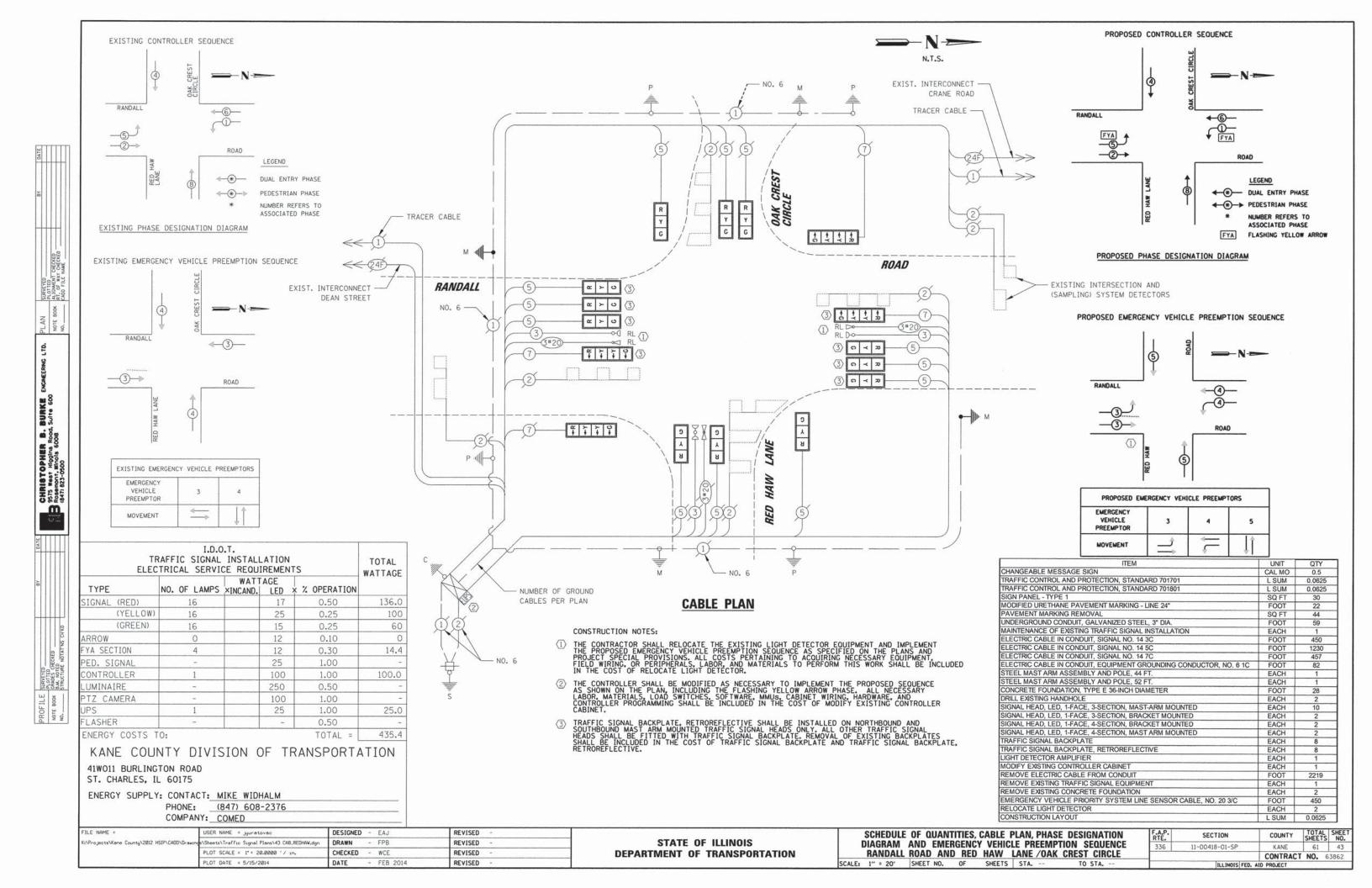
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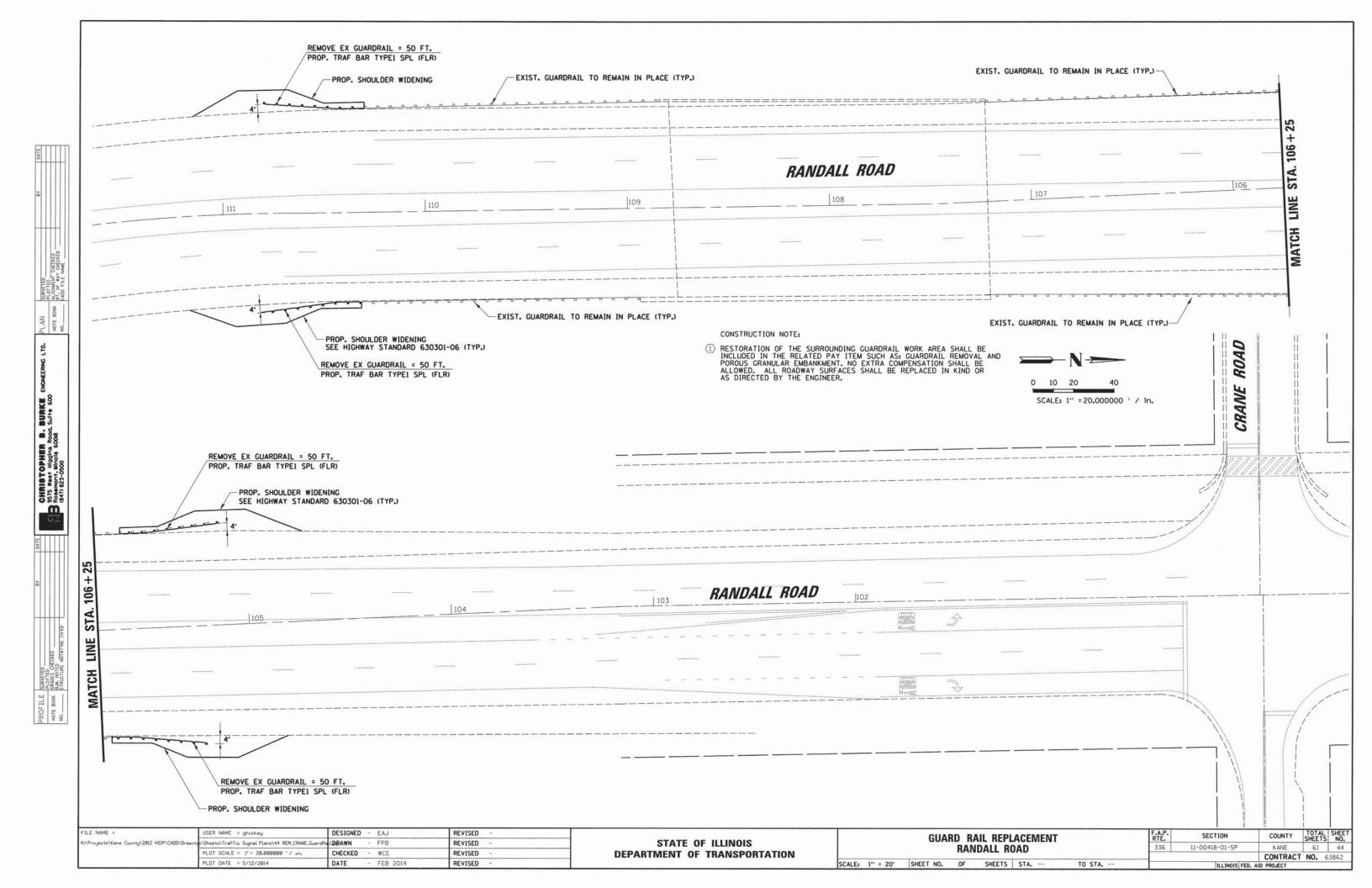
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

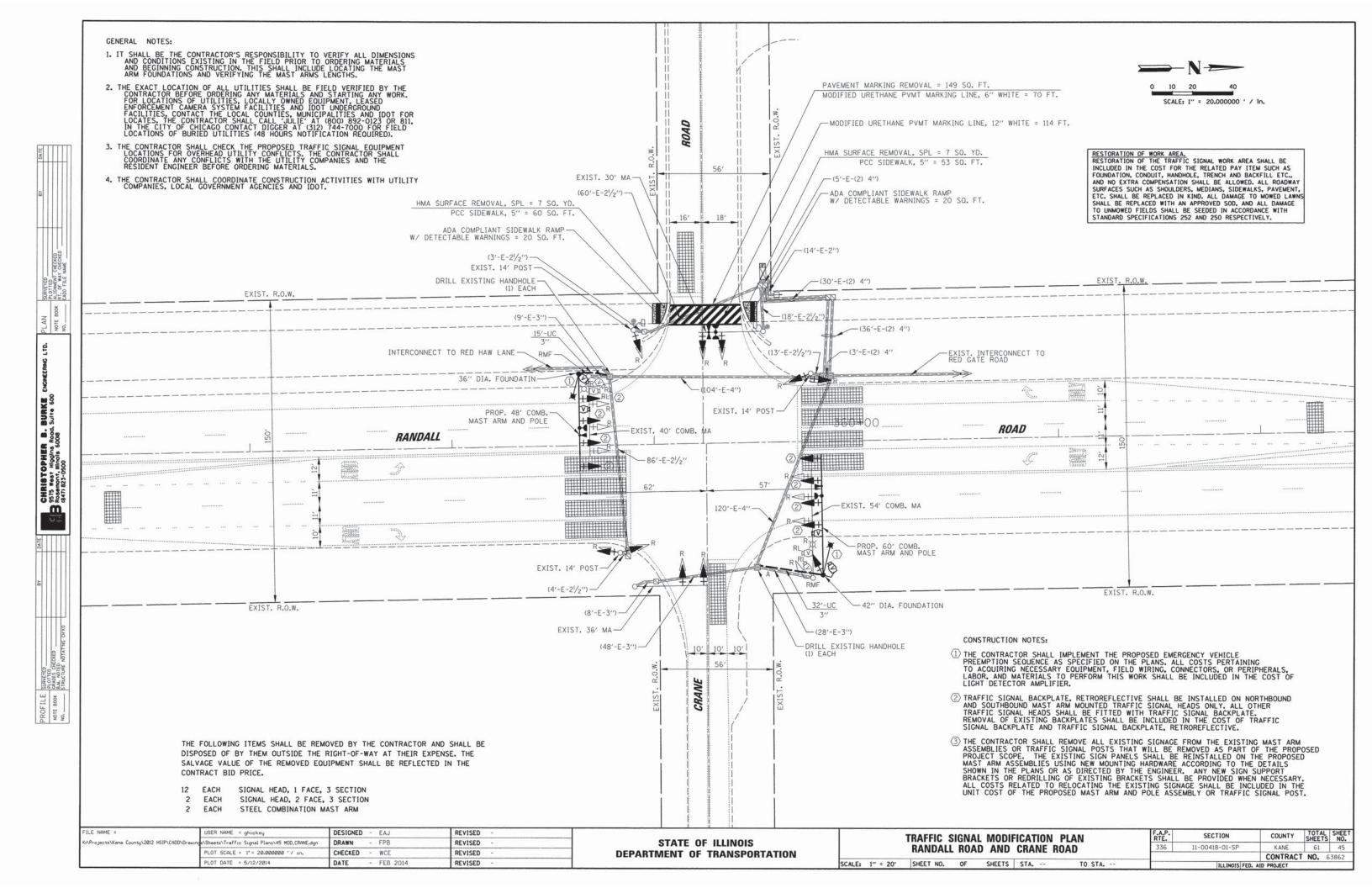
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1							336	11-00418-01-SP	KANE	61	41	
										CONTRACT	NO. 6	63862
SCALE:	1"	= 20'	SHEET NO.	OF	SHEETS	STA	TO STA		ILLINOIS FED.	. AID PROJECT		-

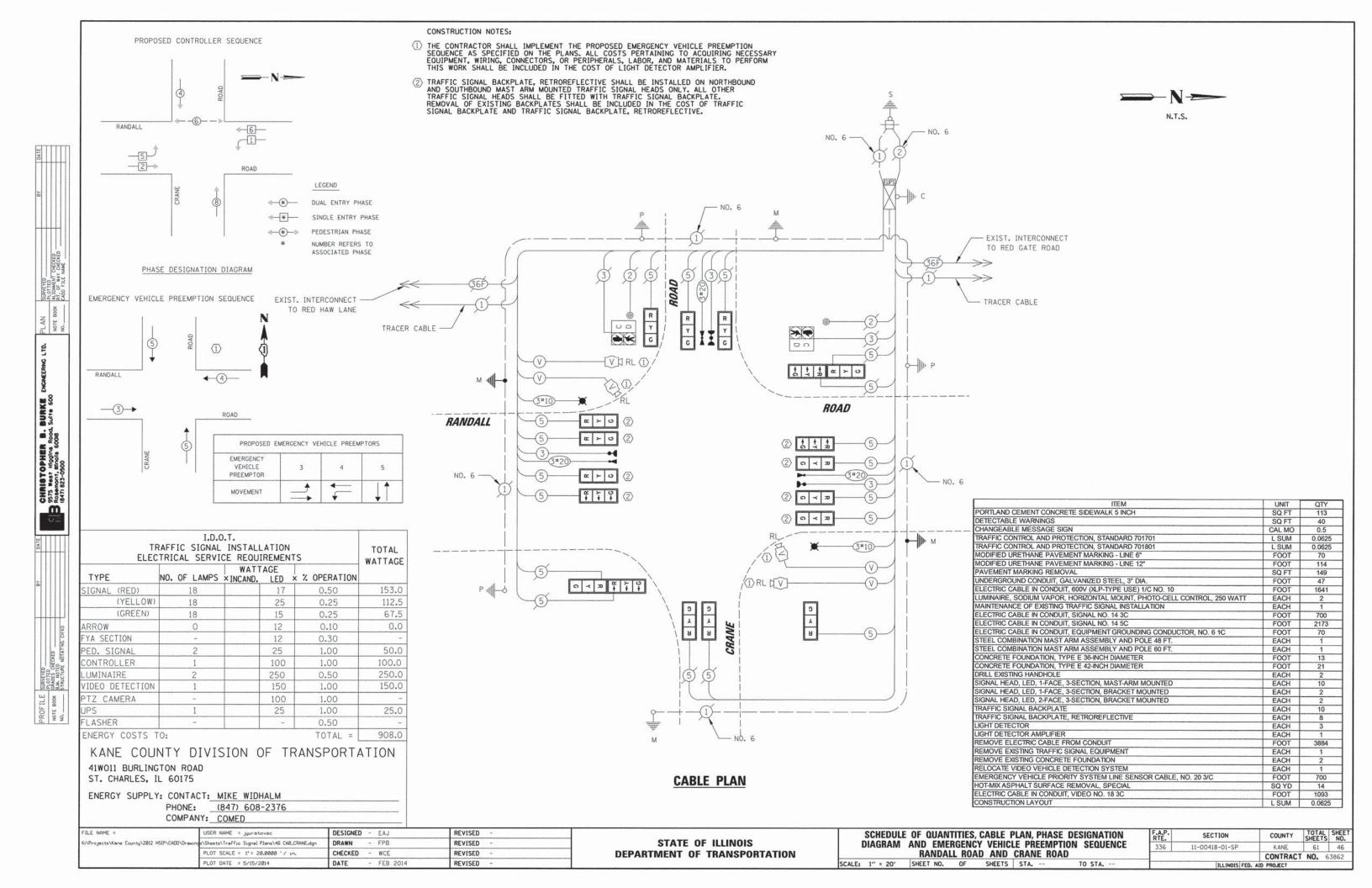
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SQ FT 460 DETECTABLE WARNINGS SQ FT 213 SIDEWALK REMOVAL SQ FT 385 SIDEWALK REMOVAL SQ FT 385 CHANGEABLE MESSAGE SIGN CAL MO 0.5 STEAFIC CONTROL AND PROTECTION, STANDARD 701701 L SUM 0.625 SIGN PANEL - TYPE 1 SQ FT 60 SIGN PANEL - TYPE 1 SQ FT 60 UNIDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2° DIA. FOOT 172 UNIDERGROUND CONDUIT, GALVANIZED STEEL, 3 7DIA. FOOT 44 UNIDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2° DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, GALVANIZED STEEL, 3 1/2° DIA. FOOT 59 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 4 HAMINTENANCE OF E XBSTING TRAFFIC SIGNAL INSTALLATION EACH 4 ELECTRIC CABLE IN CONDUIT, SIGNAL INO. 14 2C FOOT 104 ELECTRIC CABLE IN CONDUIT, SIGNAL INO. 14 5C FOOT 1529 ELECTRIC CABLE IN CONDUIT, SIGNAL INO. 10 4 7C ELECTRIC CABLE IN CONDUIT, SIGNAL INO. 10 4 7C	ITTM	LINUT	OTV
DETECTABLE WARNINGS SIDEWALK REMOVAL SOFT 385 SIDEWALK REMOVAL SOFT 385 CHANGEABLE MESSAGE SIGN CAL MO 0.5 TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 L SUM 0.0625 TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 L SUM 0.0625 SIGN PANEL - TYPE 1 SOFT 60 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2° DIA. FOOT 172 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3° DIA. FOOT 44 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3° DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, 600V (AP-TYPE USE) 1/6 NO. 10 ELECTRIC CABLE IN CONDUIT, 500V (AP-TYPE USE) 1/6 NO. 10 ELECTRIC CABLE IN CONDUIT, 500V (AP-TYPE USE) 1/6 NO. 10 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C ELECTRIC CABLE IN CONDUIT SIGNAL SIGNAL	ITEM PORT AND CEMENT CONCRETE SIDEWALK & INCH	UNIT	QTY
SIDEWALK REMOVAL			
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TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 L SUM 0.0825 SIGN PANEL - TYPE 1 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA. FOOT 172 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. FOOT 174 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. FOOT 44 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. FOOT 44 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. FOOT 44 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, 600 V (2A) "TYPE USE) 1/C NO. 10 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WAIT EACH 4 MAINTENANCE OF EXSTINIS TRAFFIC SIGNAL, INSTALLATION EACH 1 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C ELECTRIC CABLE IN CONDUI			
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801		0.576.004.00.01.000.0	
SIGN PANEL - TYPE 1			
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2° 10A. FOOT 42 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3° 10A. FOOT 44 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3° 112° DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, GALVANIZED STEEL, 3° 112° DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, GALVANIZED STEEL, 3° 112° DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, GOV (XIP-TYPE USE) 10° NO. 10 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 4 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH 1 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 7C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 7C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14° 7C ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6° 1C FOOT 1529 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6° 1C FOOT 409 TRAFFIC SIGNAL POST, 16° FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34° FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56° FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56° FT. EACH 1 CONCRETE FOUNDATION, TYPE A 2° INCH DIAMETER FOOT 16° CONCRETE FOUNDATION, TYPE E 3° INCH DIAMETER FOOT 16° CONCRETE FOUNDATION, TYPE E 42° INCH DIAMETER FOOT 42° DRILL EXISTING HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 1 E			
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. FOOT 44 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. ELECTRIC CABLE IN CONDUIT, 600V QLP-TYPE USE) 1/C NO. 10 FOOT 2091 LUMINIARIE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 4 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH 1 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT 409 TRAFFIC SIGNAL POST, 14 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE A FOOT 11 CONCRETE FOUNDATION, TYPE A FOOT 11 CONCRETE FOUNDATION, TYPE A SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-			
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA. FOOT 59 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 FOOT 2091 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 4 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH 1 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C ELECTRIC CABLE IN CONDUIT, SIGNAL POST, 14 FT. EACH 2 TRAFFIC SIGNAL POST, 14 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 CONCRETE FOUNDATION, TYPE A 3-INCH DIAMETER FOOT 16 CONCRETE FOUNDATION, TYPE A 3-INCH DIAMETER FOOT 16 CONCRETE FOUNDATION, TYPE A 5-INCH DIAMETER FOOT 42 DRILL EXISTING HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SECCET MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, S-SECTION, MAST-ARM MOUNTED EACH 1 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 1 EACH 1 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 1 EA			
ELECTRIC CABLE IN CONDUIT, 6000 (ALP-TYPE USE) 1/C NO. 10 FOOT 2091 LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 4 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH 1 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C FOOT 1044 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C FOOT 2001 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C FOOT 1218 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C FOOT 1529 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C FOOT 409 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C FOOT 409 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C EACH 2 TRAFFIC SIGNAL POST, 16 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 STEEL COMBINATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE A FOOT 42 PRILL EXISTING HANDHOULE EACH 7			
LUMINAIRE, SODIUM VAPOR, HORIZÓNTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT EACH 4 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH 1 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2°C FOOT 201 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3°C FOOT 2011 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7°C FOOT 2018 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7°C FOOT 1529 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7°C FOOT 409 TRAFFIC SIGNAL POST, 14 FT. EACH 2 TRAFFIC SIGNAL POST, 14 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 STEEL COMBINATION TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE E 38-INCH DIAMETER FOOT 42 DRILL EASTING HANDHOLE EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH <t< td=""><td></td><td></td><td></td></t<>			
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION			
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ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C FOOT 2001 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C FOOT 2118 ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C FOOT 1529 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT 409 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT 409 TRAFFIC SIGNAL POST, 14 FT. EACH 2 TRAFFIC SIGNAL POST, 14 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER FOOT 16 CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 42 PORILL EXISTING HANDHOLE EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM			the state of the s
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ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C TRAFFIC SIGNAL POST, 14 FT. EACH 2 TRAFFIC SIGNAL POST, 14 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 CONCRETE FOUNDATION, TYPE B 36-INCH DIAMETER FOOT 16 CONCRETE FOUNDATION, TYPE B 36-INCH DIAMETER FOOT 42 DRILL EXISTING HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, MAST ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE TRAFFIC SIGNAL BACKPLATE EACH 1 TRAFFIC SIGNAL BACK			
TRAFFIC SIGNAL POST, 14 FT. TRAFFIC SIGNAL POST, 16 FT. TRAFFIC SIGNAL POST, 16 FT. TRAFFIC SIGNAL POST, 16 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE B 35-INCH DIAMETER FOOT 11 CONCRETE FOUNDATION, TYPE E 32-INCH DIAMETER FOOT 11 CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 12 DRILL EXISTING HANDHOLE EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, 1-S SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-S SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-S SECTION, BRACKET MOUNTED EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN PUSH-BUTTON EACH TO THE TOTAL T			19999999
TRAFFIC SIGNAL POST, 16 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE A FOOT 11 CONCRETE FOUNDATION, TYPE A 25-INCH DIAMETER FOOT 11 CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 11 CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 12 DRILL EXISTING HANDHOLE EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-7 SECTION, SECTION, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 1 EACH 1 FRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 1 EACH 1 PEDESTRIAN PUSH-BUTTON EACH 1 REMOVE EXISTING CONTROLLER CABINET EACH 1 REMOVE EXISTING CONTROLLER CABINET EACH 1 EACH 1 EACH 1 REMOVE EXISTING CONTROLLER CABINET EACH 1 EACH 1 EACH 1 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 1150 BELOCATE VIDEO VEHICLE DETECTION SYSTEM EACH 1 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 1150 EACH 1 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C FOOT 12			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE B 36-INCH DIAMETER FOOT 11 CONCRETE FOUNDATION, TYPE B 36-INCH DIAMETER FOOT 12 DRILL EXISTING HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE EACH 1 PEDESTRIAN PUSH-BUTTON EACH 1 PEDESTRIAN PUSH-BUTTON EACH 1 REMOVE EXISTING CONTROLLER CABINET EACH 1 REMOVE EXISTING CONTROLLER OF TOWN AND REPLACEMENT SQ THE 1090 ELECTRIC CABLE IN CONDUIT, COANAL FOOT 124 PEDESTRIAN PUSH-BUTTON POST, TYPE A EACH 1 RELOCATE LIGHT DESTORN EACH EMENT SYSTEM LINE SENSOR CABLE, NO.		2,77,70,100,100	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. EACH 1 CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER FOOT 42 DRILL EXISTING HANDHOULE FACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED FACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED FACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED FACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED FACH 2 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED FACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED FACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED FACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED FACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED FACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED FACH 2 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER FACH 1 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER FACH 1 TRAFFIC SIGNAL BACKPLATE FACH AS BRACKET MOUNTED WITH COUNTDOWN TIMER FACH 1 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE FACH 1 LIGHT DETECTOR FACH 1 LIGHT DETECTOR FACH 1 LIGHT DETECTOR AMPLIFIER FACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 8480 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 1150 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD 8 SILAND SURFACE REMOVAL AND REPLACEMENT SQ FT 1090 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 20 4 C FOOT 124			1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. CONCRETE FOUNDATION, TYPE A FOOT 16 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER FOOT 111 CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER FOOT 42 DRILL EXISTING HANDHOLE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 42 DRILL EXISTING HANDHOLE EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 REMOTE SIGNAL BACKPLATE EACH 1 REMOTE SIGNAL EQUIPMENT EACH 1 REMOTE SIGNAL			1
CONCRETE FOUNDATION, TYPE A CONCRETE FOUNDATION, TYPE B 36-INCH DIAMETER CONCRETE FOUNDATION, TYPE E 32-INCH DIAMETER FOOT 11 CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 42 DRILL EXISTING HANDHOLE EACH 7 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-5 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-6 SECTION, 1-6 SECTION, BRACKET MOUNTED EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE EACH 1 IGHT DETECTOR EACH 1 LIGHT DETECTOR EACH 1 LIGHT DETECTOR AMPLIFIER EACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 8480 REMOVE EXISTING CONTROLLER CABINET EACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 8480 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 8480 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 1150 HOT-MILL SHAPL TON POST, TYPE A EACH 1 REMOVE EXISTING TONDUIT, COAMAL ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FEDESTRIAN PUSH-BUTTON POST, TYPE A EACH 1 RELOCATE EXISTING PTZ CAMERA ELCOCATE EXISTING PTZ CAMERA EACH 1 RELOCATE EXISTING PTZ CAMERA EACH 1 RELOCATE EXISTING PTZ CAMERA EACH 1 RELOCATE EXISTING TOONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT FOOT 132		EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER FOOT 42 DRILL EXISTINIG HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 5 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 5 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 5 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 5 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 5 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 5 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 5 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE EACH 1 CHARLES SIGNAL	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER DRILL EXISTING HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 6 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 TRAFFIC SIGNAL BACKPLATE EACH 1 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE LIGHT DETECTOR EACH 1 LIGHT DETECTOR AMPLIFIER EACH 1 REMOVE EXISTING CONTROLLER CABINET REMOVE EXISTING CONTROLLER CABINET REMOVE EXISTING CONTROLLER CABINET REMOVE EXISTING CONTROLLER CABINET REMOVE EXISTING CONCRETE FOUNDATION EACH 1 REMERGENCY VEHICLE DETECTION SYSTEM EACH 1 REMERGENCY VEHIC		FOOT	16
DRILL EXISTING HANDHOLE SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH TRAFFIC SIGNAL BIAND, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH TRAFFIC SIGNAL BIAND, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH TRAFFIC SIGNAL BACKPLATE EACH TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH LIGHT DETECTOR EACH TEACH TO BE ACH TO BE ACH		FOOT	11
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL BACKPLATE EACH 16 TRAFFIC SIGNAL BACKPLATE EACH 16 LIGHT DETECTOR EACH 1 LIGHT DETECTOR EACH 12 MODIFY EXISTING CONTROLLER CABINET REMOVE ELECTRIC CABLE FROM CONDUIT EACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT EACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT 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 1 EMERGENCY VEHICLE DETECTION SYSTEM EACH 1 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 1150 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD 8 SILAND SURFACE REMOVAL AND REPLACEMENT SQ FT 1090 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FOOT 124 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C FOOT 124 PEDESTRIAN PUSH-BUTTON POST, TYPE A EACH 1 RELOCATE LIGHT DETECTOR EACH 1 RELOCATE LIGHT DETECTOR EACH 1 RELOCATE LIGHT DETECTOR EACH 1 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C FOOT 635 COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT FOOT 132	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH TRAFFIC SIGNAL BACKPLATE EACH TRAFFIC SIGNAL BACKPLATE EACH TRAFFIC SIGNAL BACKPLATE EACH ILIGHT DETECTOR EACH LIGHT DETECTOR EACH LIGHT DETECTOR AMPLIFIER EACH MODIFY EXISTING CONTROLLER CABINET REMOVE ELECTRIC CABLE FROM CONDUIT REMOVE ELSTING TRAFFIC SIGNAL EQUIPMENT EACH TREMOVE EXISTING CONCRETE FOUNDATION EACH SEACH TREMOVE EXISTING CONCRETE FOUNDATION EACH BEACH BEACH TREMOVE EXISTING CONCRETE FOUNDATION EACH BEACH BEACH CACH BEACH CACH BEACH CACH C		EACH	7
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED EACH 4 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH 2 SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH 2 PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 7 PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 RAFFIC SIGNAL BACKPLATE EACH 16 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 16 LIGHT DETECTOR EACH 1 LIGHT DETECTOR AMPLIFIER EACH 1 REMOVE EXISTING CONTROLLER CABINET EACH 12 MODIFY EXISTING CONTROLLER CABINET EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 1 EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL BACKPLATE EACH 16 RRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 16 RRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 1 LIGHT DETECTOR EACH 1 PEDESTRIAN PUSH-BUTTON EACH 1 REMOVE ELECTRIC CABLE FROM CONDUIT REMOVE EXISTING CONTROLLER CABINET EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 1 EACH 1 EMERGENCY VEHICLE DETECTION SYSTEM EACH 1 EMERGENCY VEHICLE DETECTION SYSTEM EACH 1 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 1150 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD 8 BLAND SURFACE REMOVAL AND REPLACEMENT SQ FT 1090 ELECTRIC CABLE IN CONDUIT, COAXIAL FOOT 124 ELECTRIC CABLE IN CONDUIT, COAXIAL FOOT 124 EDESTRIAN PUSH-BUTTON POST, TYPE A EACH 1 RELOCATE LIGHT DETECTOR EACH 1 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT FOOT 132	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH 1 PEDESTRIAN SIGNAL BACKPLATE EACH 16 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 16 IRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 11 PEDESTRIAN PUSH-BUTTON EACH 12 MODIFY EXISTING CONTROLLER CABINET EACH 11 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 8480 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING CONCRETE FOUNDATION EACH 1 EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL BACKPLATE EACH 16 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 16 TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH 1 LIGHT DETECTOR EACH 1 PEDESTRIAN PUSH-BUTTON EACH 12 PEDESTRIAN PUSH-BUTTON EACH 12 REMOVE ELECTRIC CABLE FROM CONDUIT FOOT 8480 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 EMERGENCY VEHICLE DETECTION SYSTEM EACH 10 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT 1150 HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD 8 ISLAND SURFACE REMOVAL AND REPLACEMENT SQ FT 1090 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C PEDESTRIAN PUSH-BUTTON POST, TYPE A EACH 1 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT FOOT 132	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL BACKPLATE PEDESTRIAN SIGNAL BACKPLATE REACH REACH REACH LIGHT DETECTOR PEDESTRIAN BACKPLATE, RETROREFLECTIVE PEDESTRIAN BUSH-BUTTON PEDESTRIAN PUSH-BUTTON POST, TYPE A PELOCATE LIGHT DETECTOR PEACH PEDESTRIAN PUSH-BUTTON POST, TYPE A PELOCATE EXISTING PTZ CAMERA PELOCATE CORDITION POOR THE PEDESTRIAN PUSH-BUTTON POST, TYPE A PELOCATE EXISTING PTZ CAMERA PELOCATE CURB AND GUTTER, REMOVAL AND REPLACEMENT PEDESTRIA	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEACH TRAFFIC SIGNAL BACKPLATE REACH TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE EACH REACH LIGHT DETECTOR EACH LIGHT DETECTOR EACH LIGHT DETECTOR AMPLIFIER PEDESTRIAN PUSH-BUTTON EACH PEDESTRIAN PUSH-BUTTON EACH REMOVE ELECTRIC CABLE FROM CONDUIT REMOVE ELECTRIC CABLE FROM CONDUIT FOOT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH REMOVE EXISTING CONCRETE FOUNDATION EACH REMOVE EXISTING CONCRETE FOUNDATION EACH REACH EACH MEMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C FOOT HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD REMOVAL AND REPLACEMENT SQ FT MO90 ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C PEDESTRIAN PUSH-BUTTON POST, TYPE A EACH RELOCATE LIGHT DETECTOR EACH RELOCATE LIGHT DETECTOR RELOCATE EXISTING PTZ CAMERA EACH RELOCATE EXISTING PTZ CAMERA EACH RELOCATE EXISTING PTZ CAMERA EACH RELOCATE CABLE IN CONDUIT, VIDEO NO. 18 3C COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT FOOT 132	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER RAFFIC SIGNAL BACKPLATE RAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE LIGHT DETECTOR LIGHT DETECTOR LIGHT DETECTOR EACH LIGHT DETECTOR AMPLIFIER PEDESTRIAN PUSH-BUTTON MODIFY EXISTING CONTROLLER CABINET REMOVE ELECTRIC CABLE FROM CONDUIT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVE EXISTING CONCRETE FOUNDATION RELOCATE VIDEO VEHICLE DETECTION SYSTEM EACH EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD BISLAND SURFACE REMOVAL AND REPLACEMENT ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C PEDESTRIAN PUSH-BUTTON POST, TYPE A RELOCATE LIGHT DETECTIOR RELOCATE LIGHT DETECTOR RELOCATE LIGHT DETECTOR EACH 1 RELOCATE EXISTING PTZ CAMERA EACH 1 EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	7
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RELOCATE LIGHT DETECTOR EACH 3 RELOCATE EXISTING PTZ CAMERA EACH 1 ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C FOOT 635 COMBINATION CONCRETE CURB AND GUTTER, REMOVAL AND REPLACEMENT FOOT 132			
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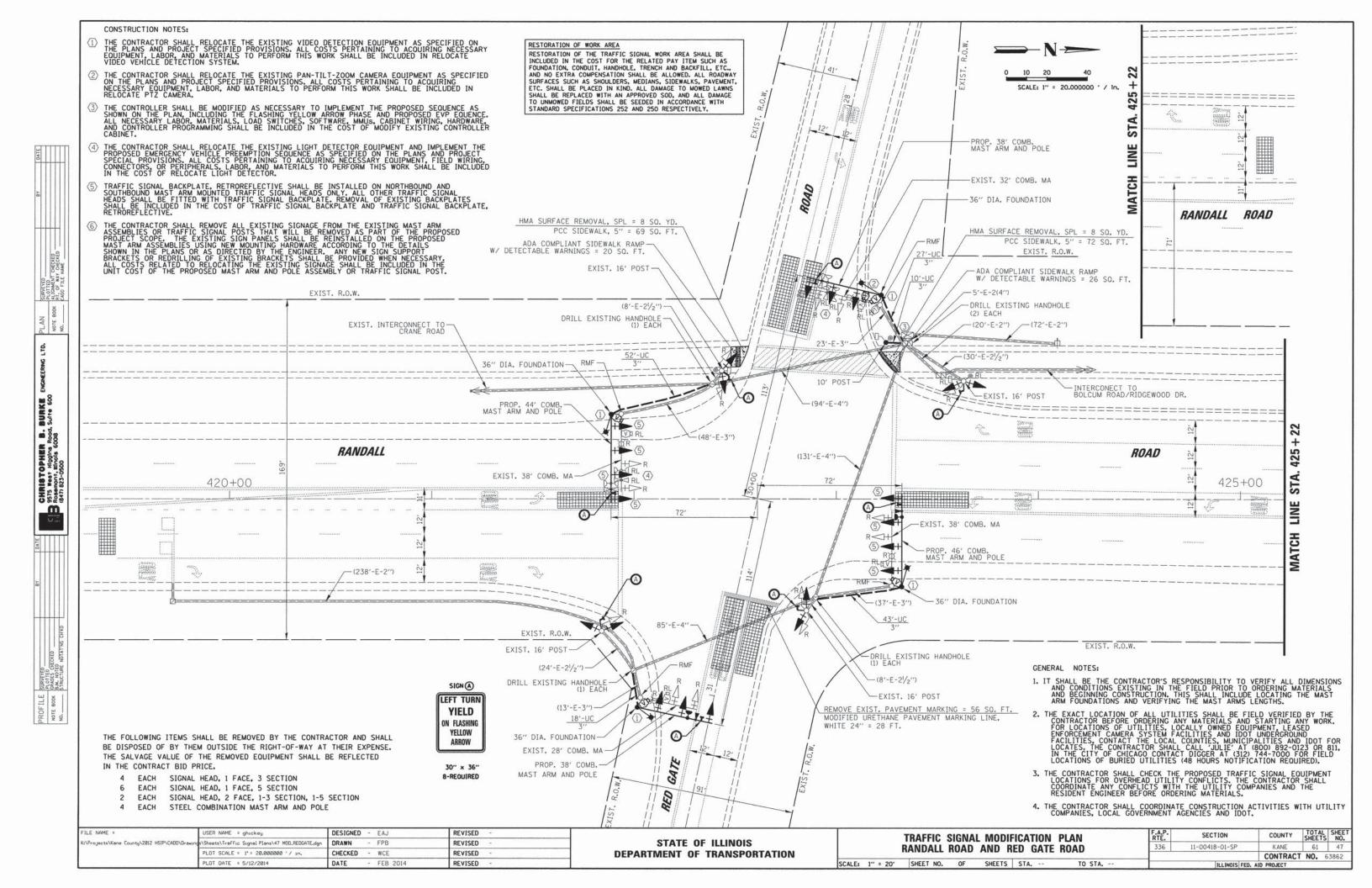


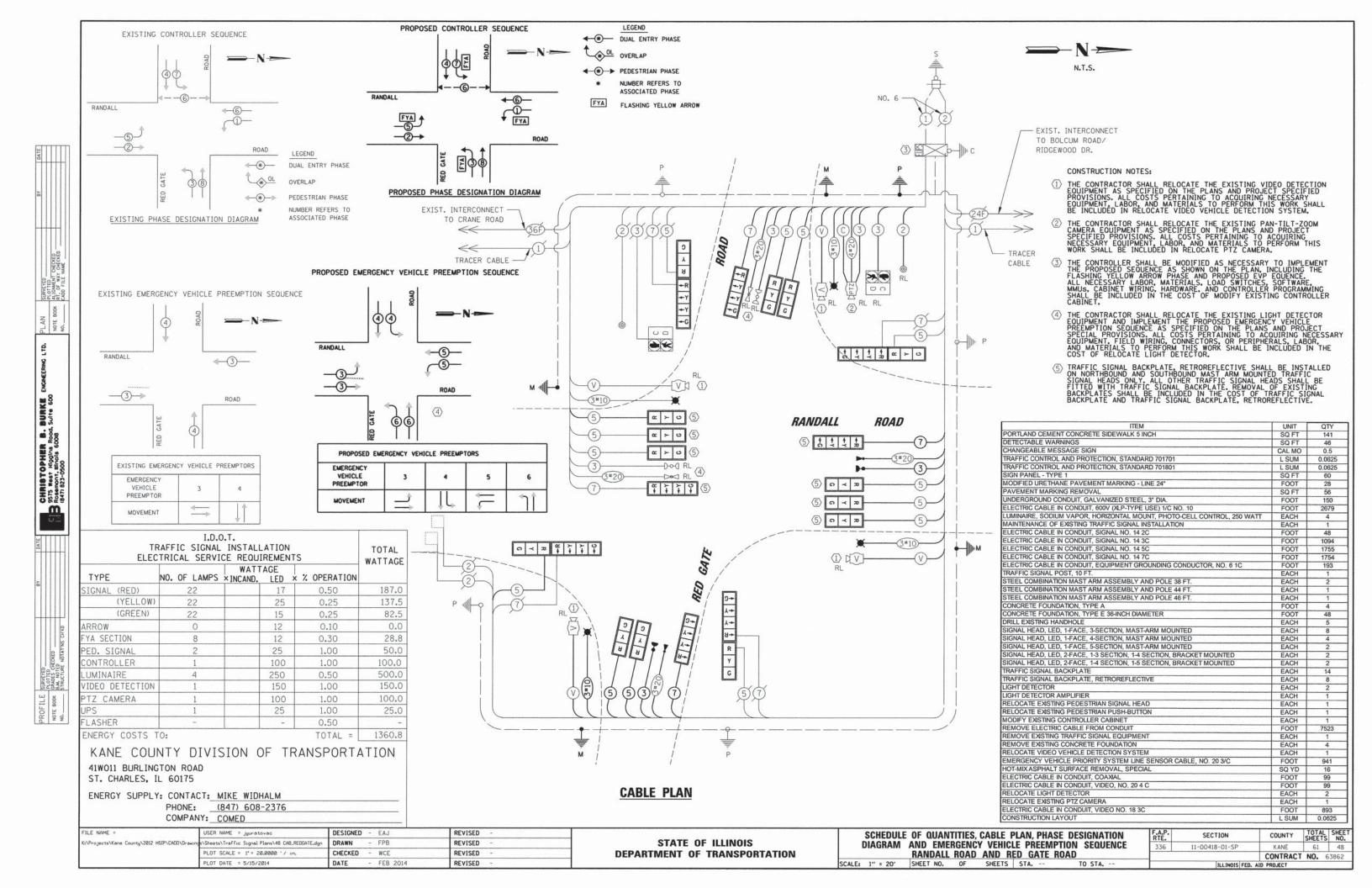


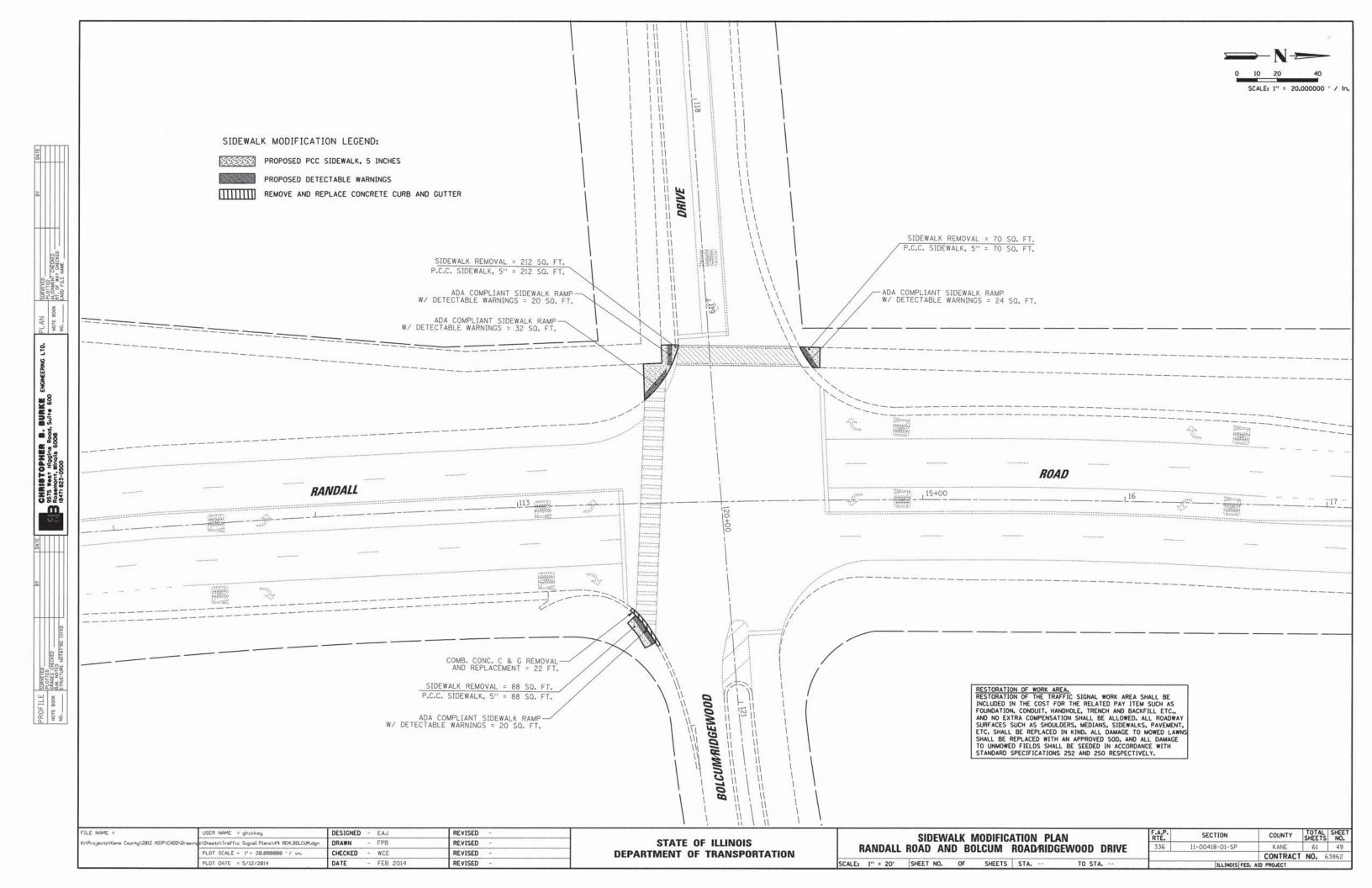


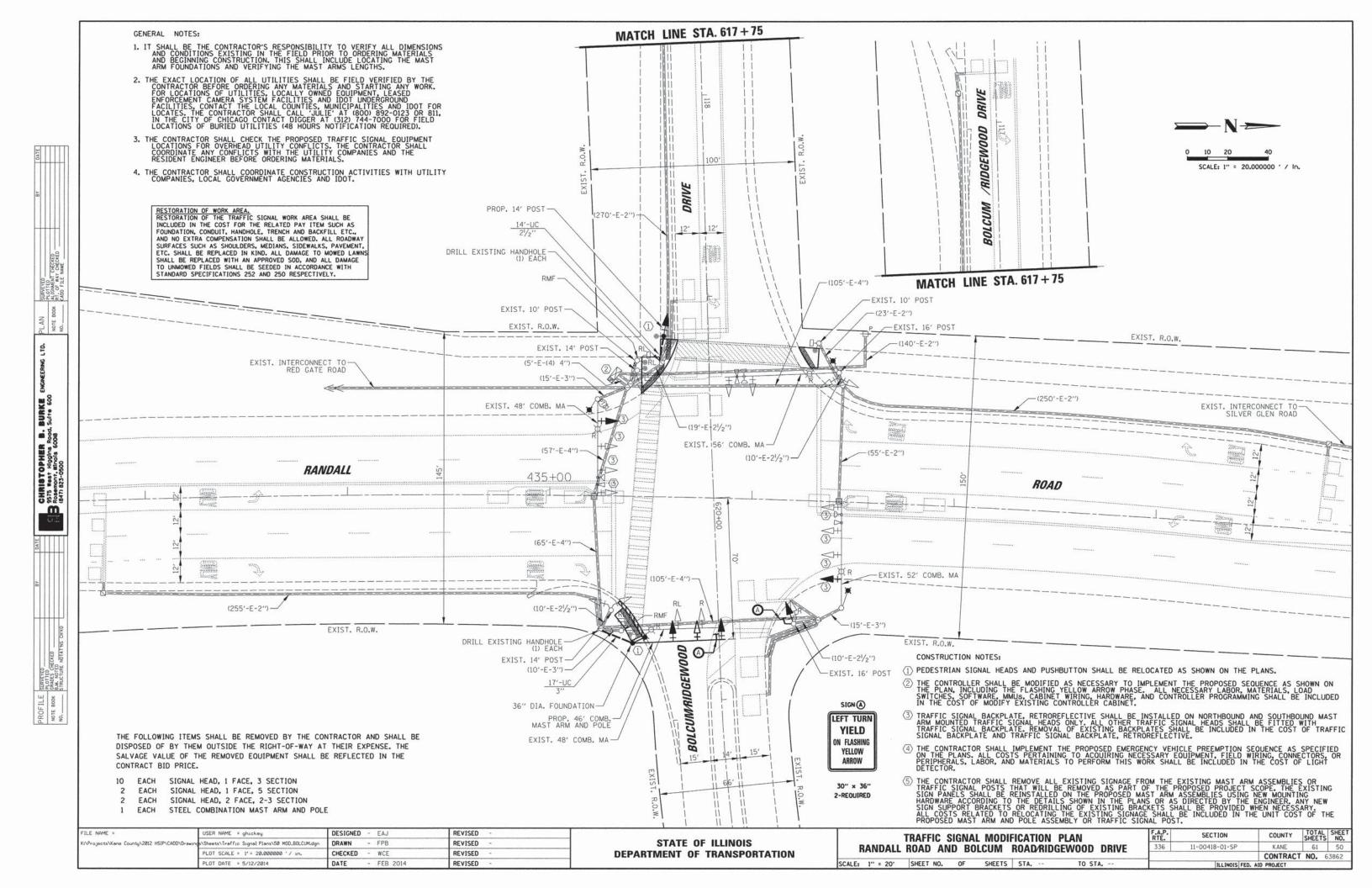


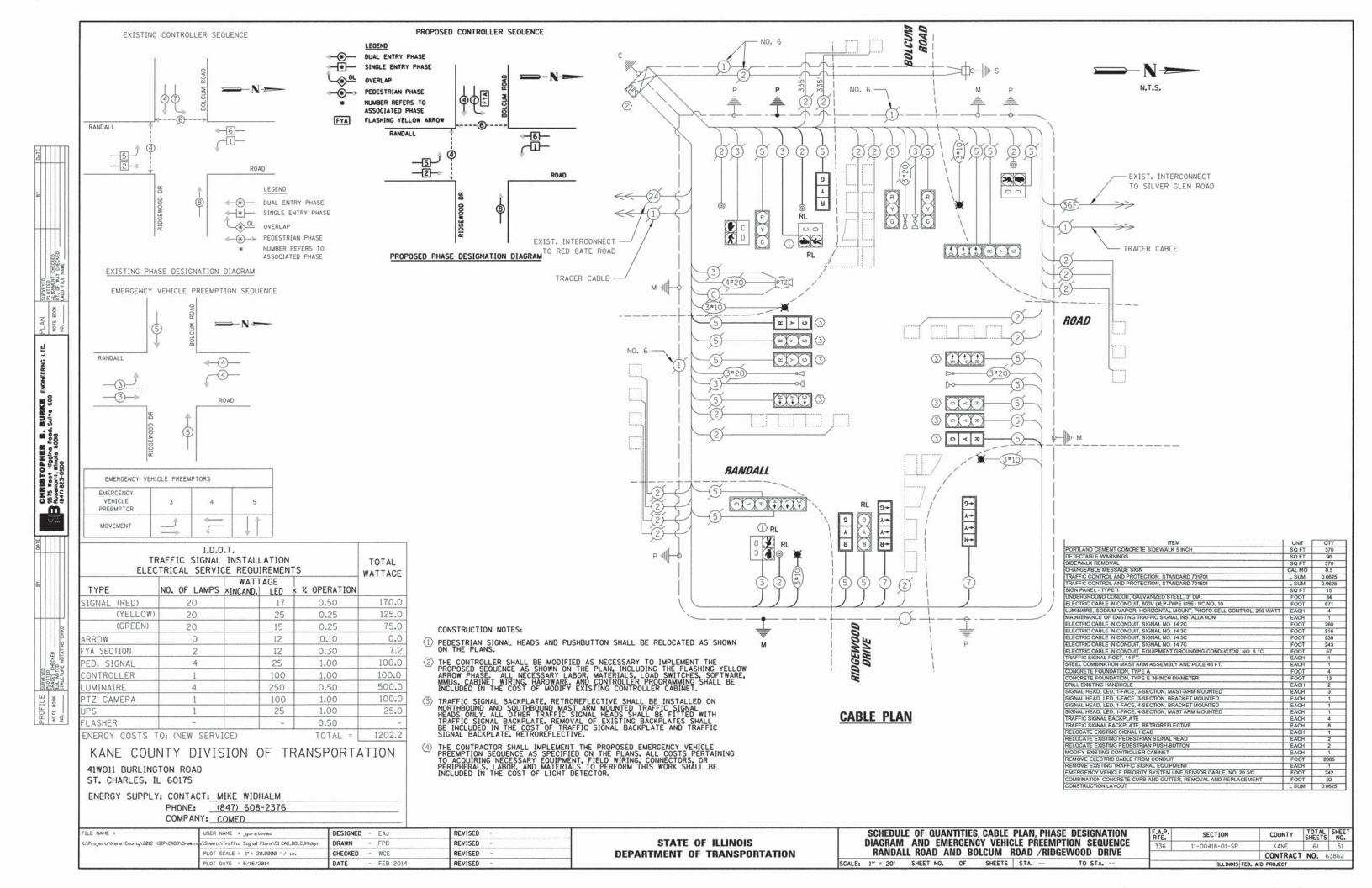


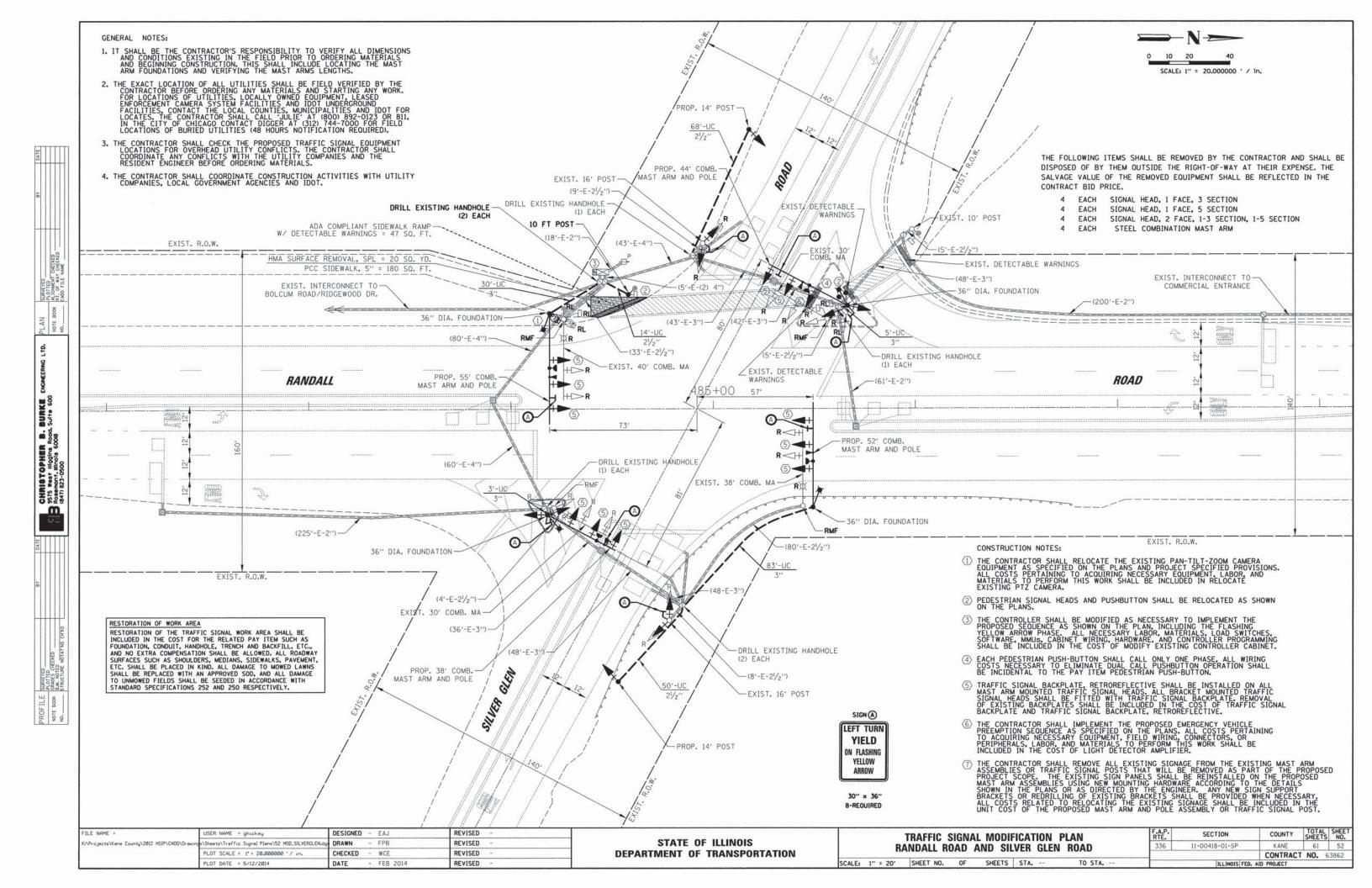


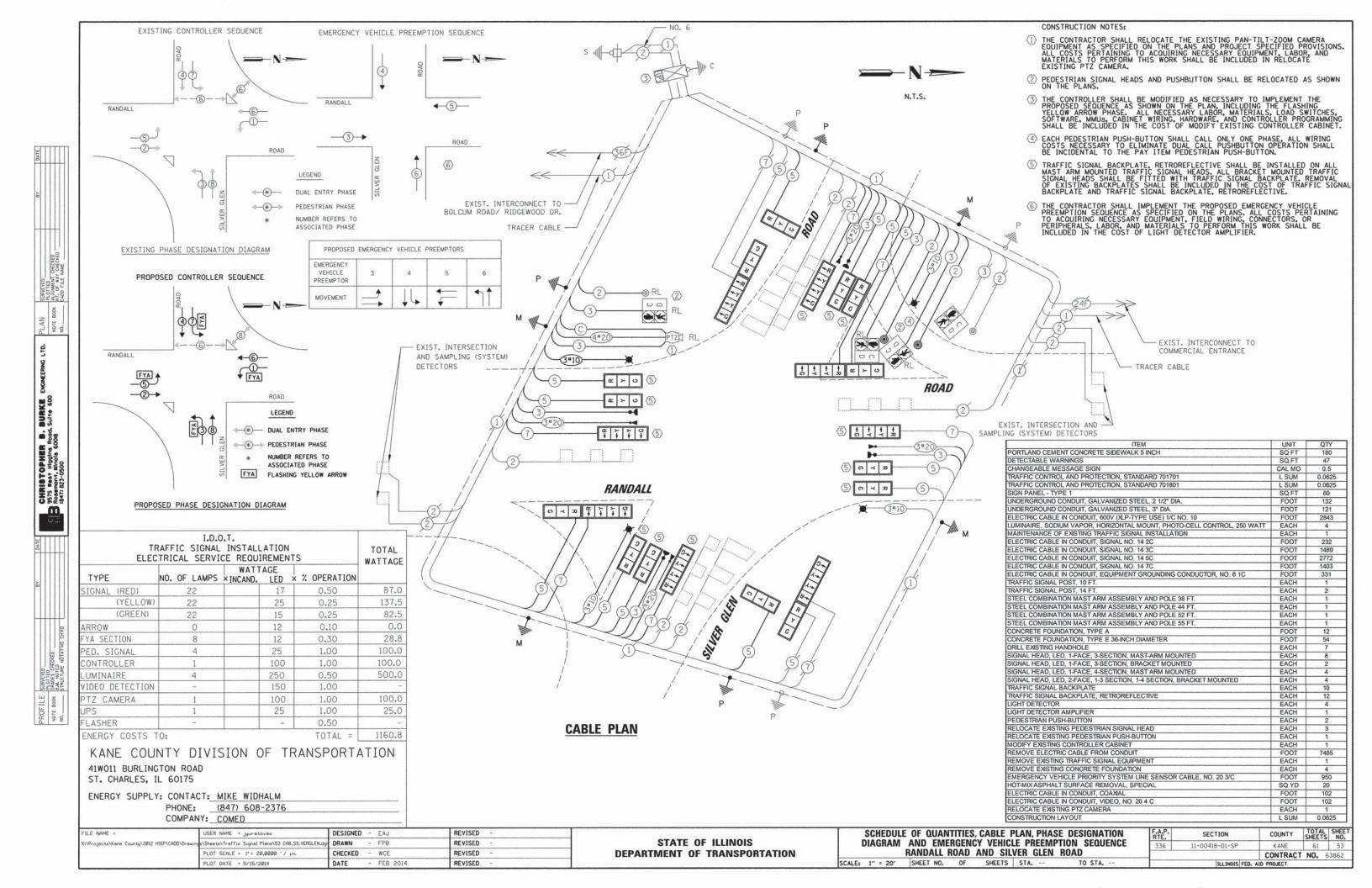


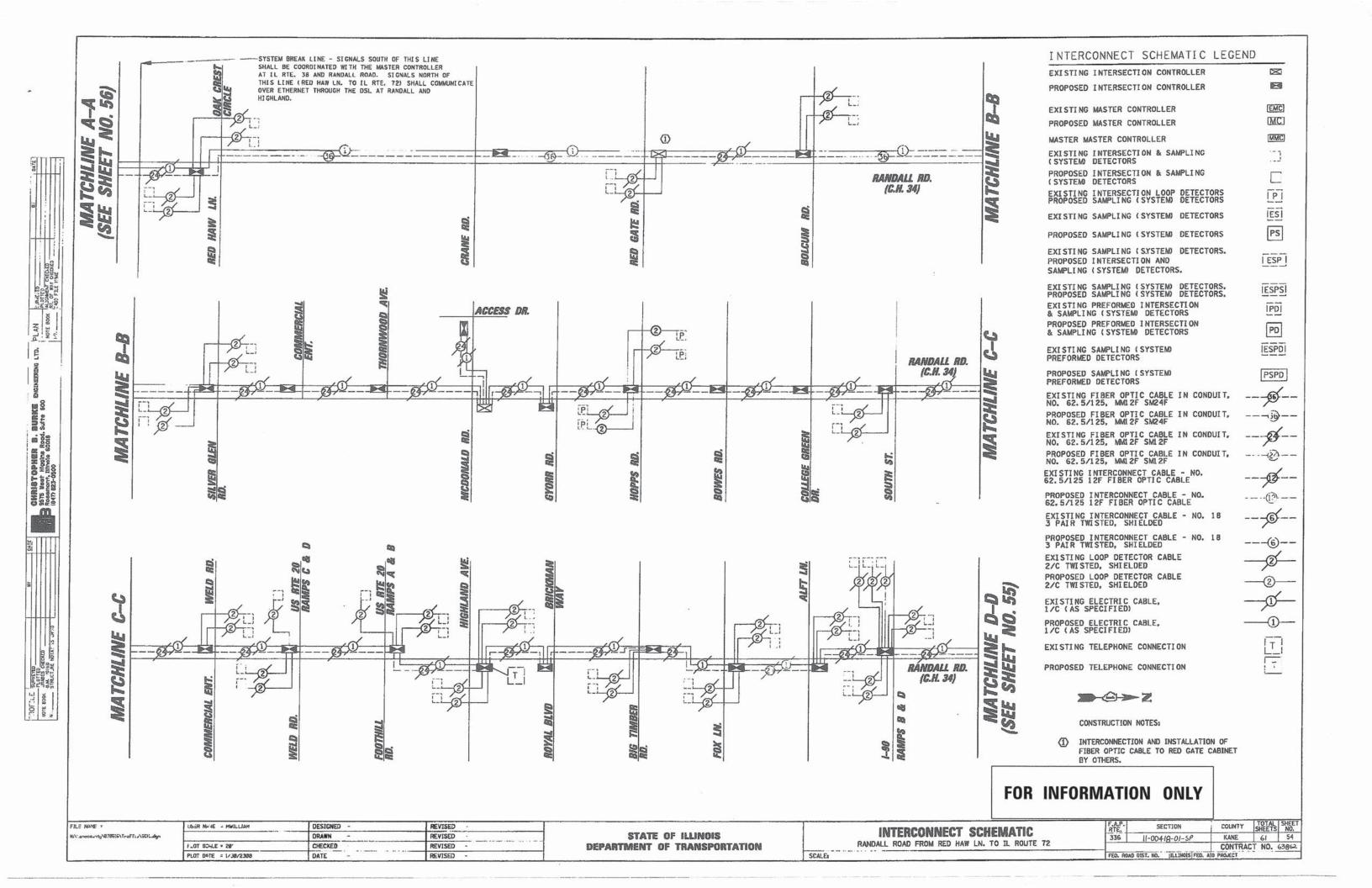


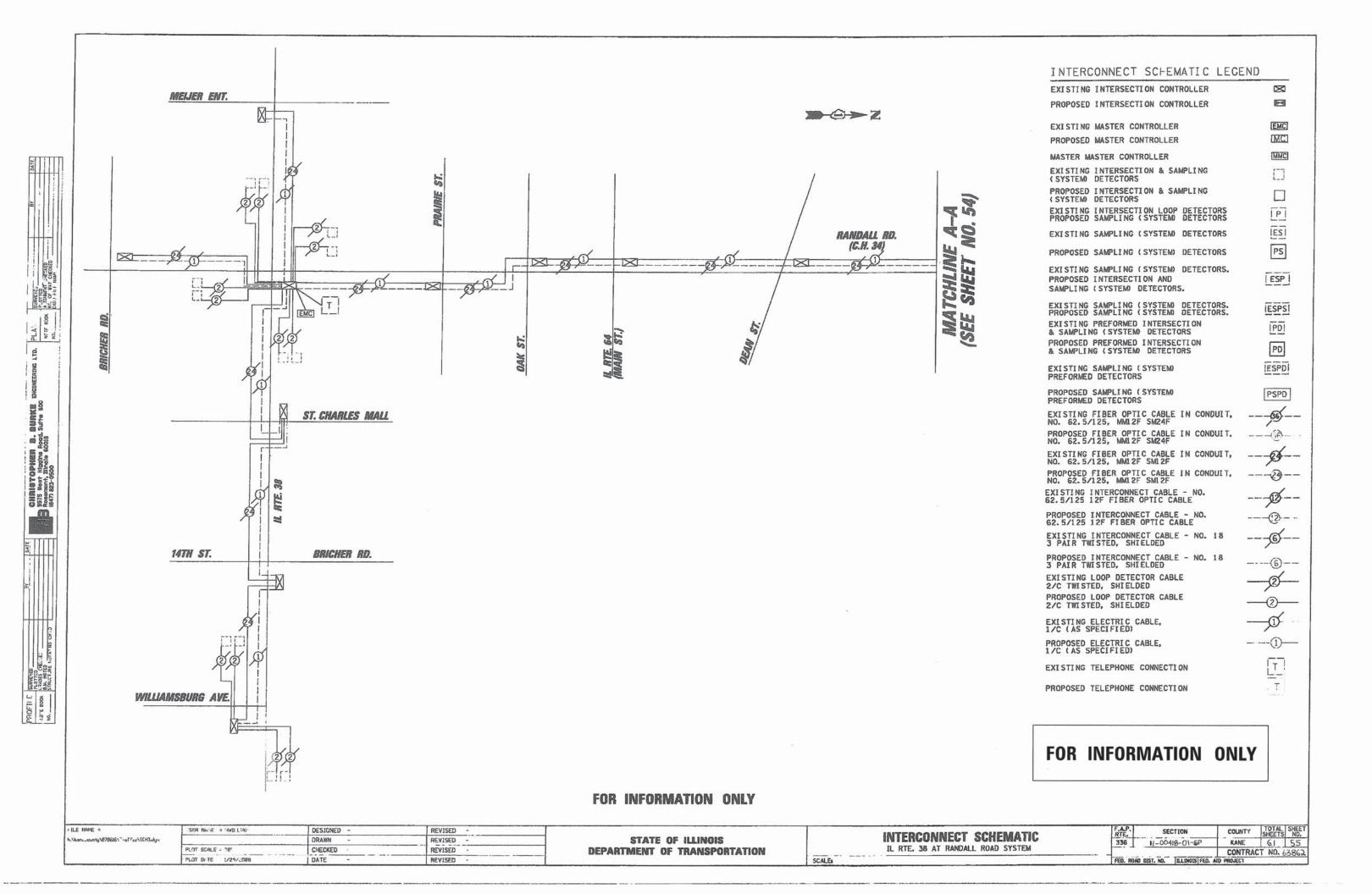


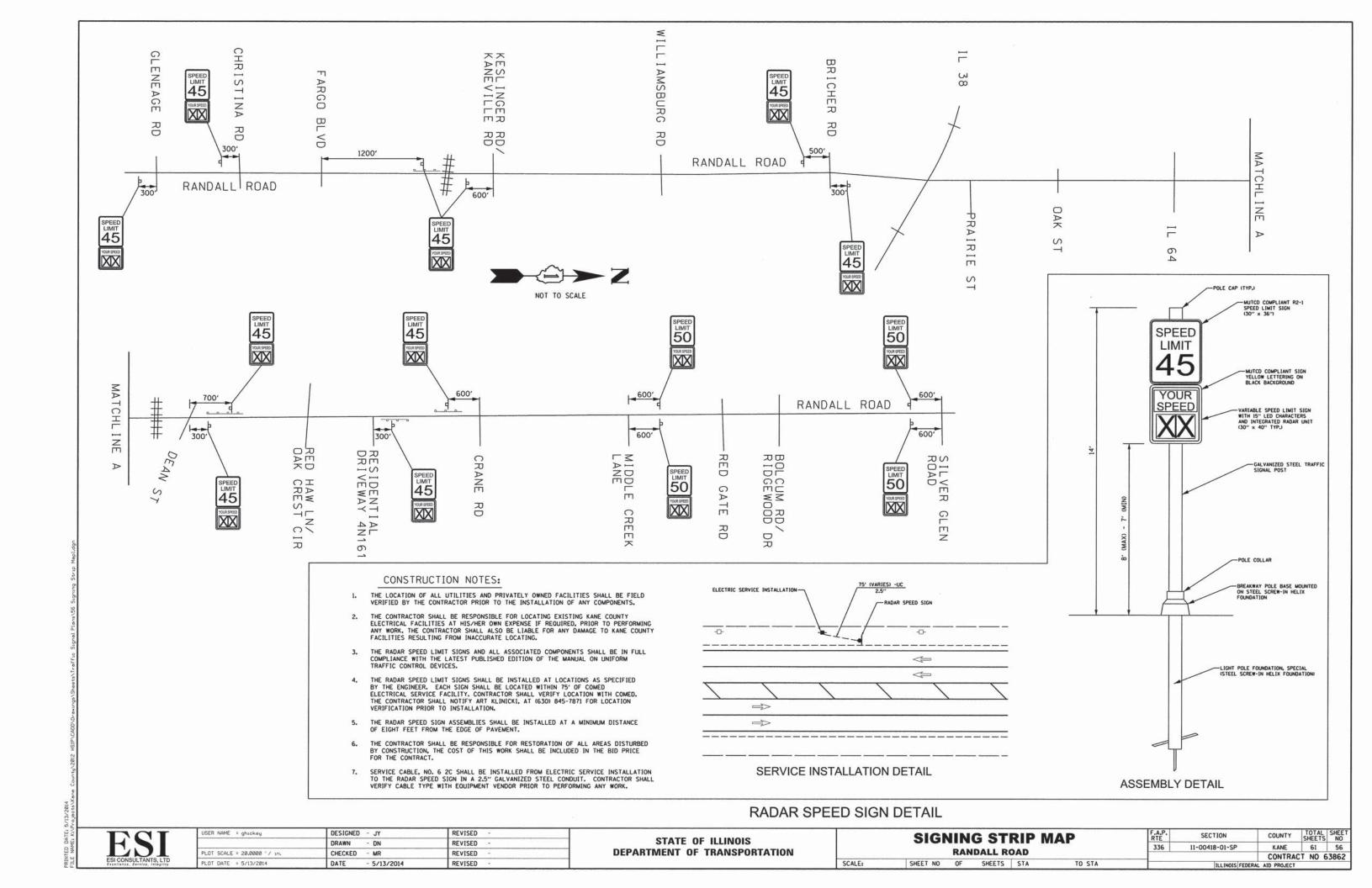


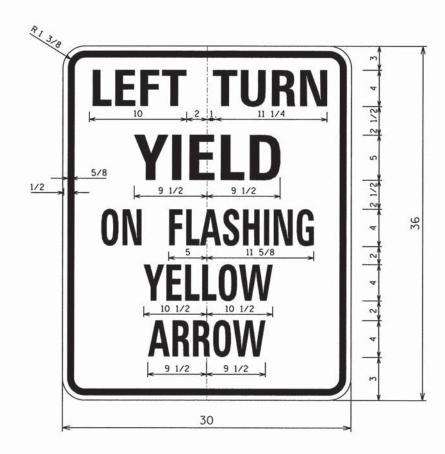












NOTES:

1. COLOR:

SCALE:

BACKGROUND: WHITE MESSAGE: BLACK

2. LINE 1 IS SERIES C LINE 2, 4 AND 5 ARE SERIES D LINE 3 IS SERIES B

3. ALL DIMENSIONS SHOWN ARE IN INCHES

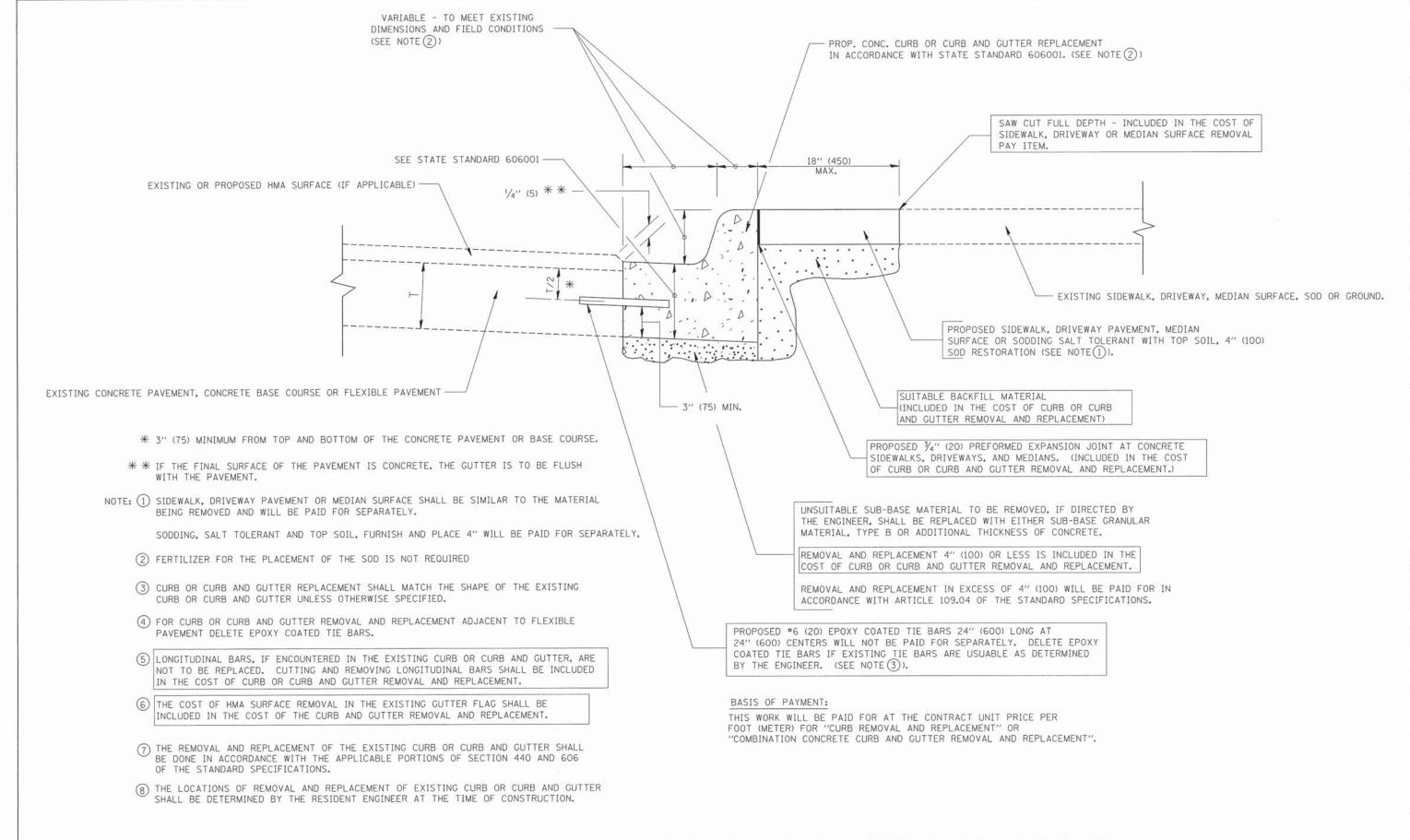
TO STA

DESIGNED - JY REVISED DRAWN - DN REVISED PLOT SCALE = 100.0000 ' / in. CHECKED - MR REVISED PLOT DATE = 5/13/2014 DATE - 5/13/2014 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SIGN DETAIL SHEET NO OF SHEETS STA

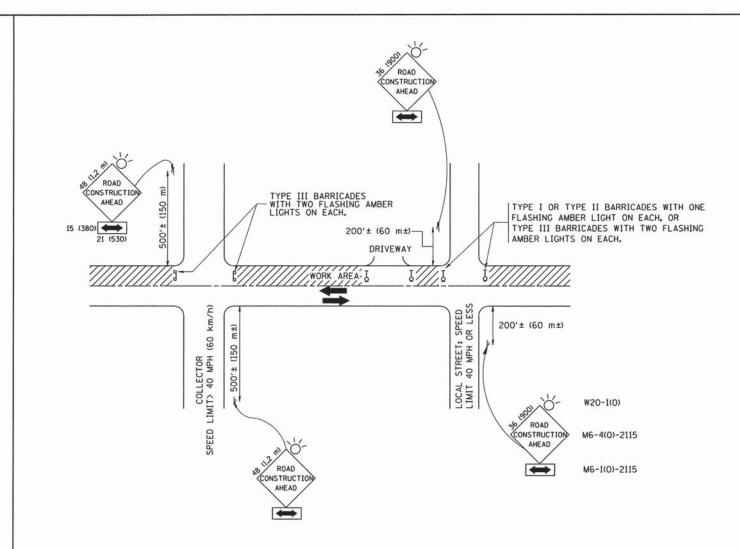
SECTION 336 11-00418-01-SP



CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivekosgn	DESIGNED - A. HOUSEH	REVISED -	R. SHAH 10-03-96			CURB OR CURB AND GUTTER	RTE.	SECTION	COUNTY	SHEETS NO.
c:\pw_work\pwidot\drivakosgn\d0108315\bd	24.dgn	DRAWN -	REVISED -	A. ABBAS 03-21-97	STATE OF ILLINOIS			336	11-00418-01-SP	KANE	61 58
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -	M. GOMEZ 01-22-01	DEPARTMENT OF TRANSPORTATION		REMOVAL AND REPLACEMENT		BD600-06 (BD-24)	CONTRACT	T NO. 63862
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED -	R. BORO 12-15-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. RO	DAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT	



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- o) ONE ROAD CONSTRUCTION AHEAD SIGN 48 \times 48 (1.2 m \times 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

SCALE: NONE

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

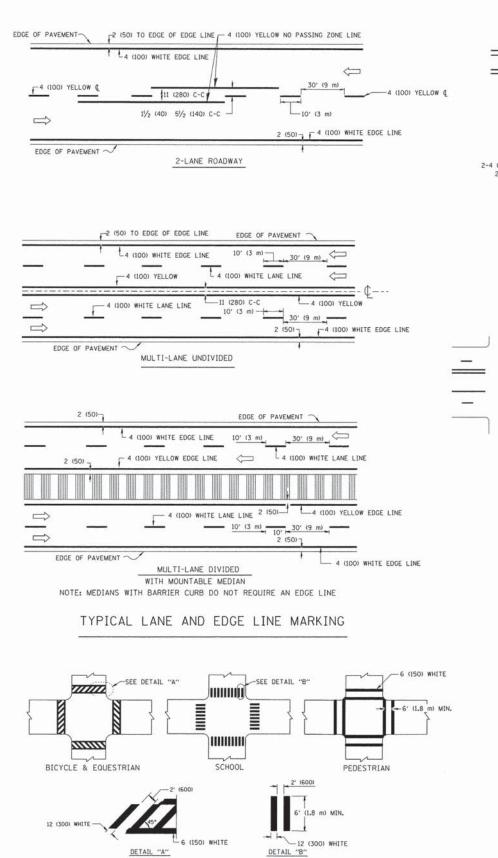
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

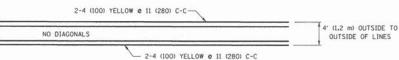
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\tc10.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

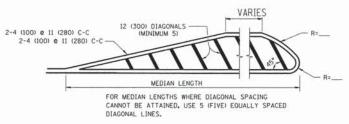
STATE	OF	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

Ī	TRAFFIC CONTE	OL AND F	PROTECTION	FOR	F.A.P. RTE.	SECTIO
	SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				336	11-00418-0
	SIDE NUADS, INTE	noculion	S, AND DRIVE	CVVATO		TC-10
	SHEET NO. 1 OF 1	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO. 1 IL



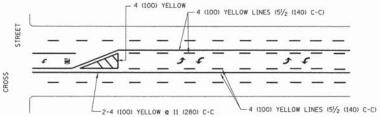


4' (1.2 m) WIDE MEDIANS ONLY



DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) T0 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

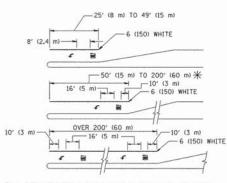


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

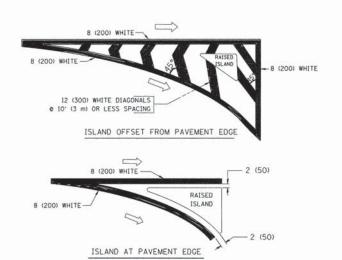


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SO. FT. (1.5 m²) ONLY AREA = 20.8 SO. FT. (1.9 m²)

* 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

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 PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) 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	10' (3 m) LINE WITH 30' (9 m) SPACE
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' (1.8 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 LANE 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 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	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)	DIAGONALS (BIKE & EQUESTRIAN) 12 (300) @ 45° SOLID WHITE 2' (600) APART LONGITUDINAL BARS (SCHOOL) 12 (300) @ 90° SOLID WHITE 2' (600) APART			
STOP LINES 24 (600) SOLI		SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSMALK, IF PRESENT. OTHERMISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 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' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"3.6 SO. FT. (0.33 m²) EACH "X"=54.0 SO. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 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/h)) 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.

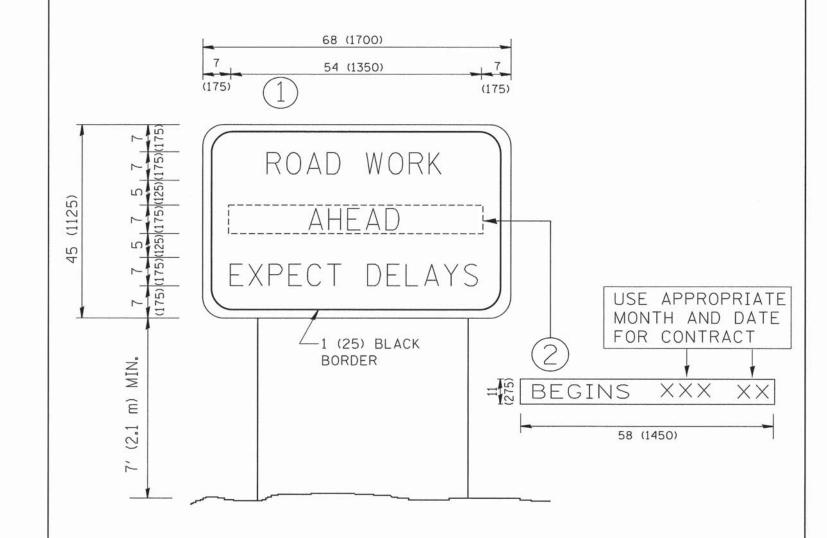
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = USER NAM	fE = drivakosgn	DESIGNED -	EVERS	REVISED	-T. RAMMACHE	R 10-27-94
c:\pw_work\pwidot\drivekosgn\d0108315\to 3.dgn		DRAWN -		REVISED	-C. JUCIUS	09-09-09
PLOT SCA	LE = 50.000 ' / IN.	CHECKED -		REVISED	-	
PLOT DAT	E = 9/9/2009	DATE -	03-19-90	REVISED	-	

TYPICAL CROSSWALK MARKING

STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

		DI	ISTRICT O	NE	F.A.P. SECTION		COUNTY	TOTAL	TOTAL SHEET NO.	
	TVDI	AL D	AVERSENT	MADVINCE	336	11-00418-01-SP	KANE	61	60	
TYPICAL PAVEMENT MARKINGS						TC-13		CONTRACT NO. 63862		
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED.			



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 (1) 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. MIRS 09-15-97		ARTERIAL ROAD	F.A.P. SECTION	COUNTY TOTAL SHEET
Wr\distatd\22x34\tc22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS	ARTERIAL ROAD	KIE.	SHEETS NO.
mi totatato teenat ttoeetog.		Ditami			INFORMATION SIGN	336 11-00418-01-SP	KANE 61 61
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN	TC-22	CONTRACT NO. 63862
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		AID PROJECT