STATE OF ILLINOIS 353/876 2009-033 TS COOK FED. ROAD DIST. NO. D-91-402-09 DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS** PLANS FOR PROPOSED FEDERAL AID HIGHWAY DISTRICT 1 **HIGHWAY SAFETY IMPROVEMENT PROJECT** TRAFFIC SIGNAL MODERNIZATION
PROJECT HSTP-000S (675)

F.A.P. ROUTE 353 - U.S. ROUTE 30 (LINCOLN HIGHWAY)
FROM STATE SREET TO ILLINOIS ROUTE 1(CHICAGO ROAD) F.A.P. 876 - ILLINOIS ROUTE 1 (CHICAGO ROAD) FROM 16TH STREET TO DIXIE HIGHWAY FOR INDEX OF SHEETS, SEE SHEET NO.2 **SECTION 2009-033 TS** PROJECT LOCATED IN THE CITY OF CHICAGO HEIGHTS C-91-402-09 **COOK COUNTY BLOOM TOWNSHIP** LOCATION OF SECTION INDICATED THUS: -JOE END OF PROJECT US.30 (LINCOLN HWY.) @ HALSTED ST. END OF PROJECT ILL. RTE. 1 (CHICAGO RD.) @ DIXIE HWY BEGINNING OF PROJECT US.30 (LINCOLN HWY.) @ STATE ST. 48 - HOURS BEFORE DIGGING STANDARD DRAWINGS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION 701006-3) 701011-2)(701101-2)(701301-3) 701901-1 **DIVISION OF HIGHWAYS** LINCOLN HWY 15TH ST. SUBMITTED March 20 20 09 Vien M. O'Kede Do 720001-1) 814001-2) 814006-2 424001-5) 813001 857001-1) 877001-4) 877006-3) 877011-4 (878001-7 16TH ST. 880006-1 May 8, 2009 Charles Ingeroly D ENGINEER OF DESIGN AND ENVIRONMENT BEGINNING OF PROJECT ILL. 1 (CHICAGO RD.) @ 16TH ST. 701321-10 701406-5 (701501-5 26TH ST. 701606-6)(701701-6)(701801-4 701502-3 701601-6) May 8, 20 09 Christine M. Reed 12 NOTE: STANDARD DRAWINGS REQUIRED (CIRCLED). CHICAGO PREPARED BY: Sun Trans PRINTED BY THE AUTHORITY

LOCATION MAP

OF THE STATE OF ILLINOIS

3/20/09

TRAFFIC ENGINEER

CONTRACT NO. 60G40

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	INDE	X OF SHEETS
SHE	ET NO.	
	1	TITLE SHEET
	2	INDEX OF SHEETS
	3–6	SUMMARY OF QUANTITIES
	7–10	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
	11–12	US. RTE. 30 (LINCOLN HWY.) @ STATE STREET TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	13–14	US. RTE. 30 (LINCOLN HWY.) @ STATE STREET TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	15–16	US. RTE. 30 (LINCOLN HWY.) @ WENTWORTH AVE. TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	17–18	US. RTE. 30 (LINCOLN HWY.) @ WENTWORTH AVE. TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	19–20	US. RTE. 30 (LINCOLN HWY.) @ CENTER AVE. TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	21–22	US. RTE. 30 (LINCOLN HWY.) @ CENTER AVE. TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	23–24	US. RTE. 30 (LINCOLN HWY.) @ EAST END AVE. TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	25–26	US. RTE. 30 (LINCOLN HWY.) @ EAST END AVE. TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	27–28	US. RTE. 30 (LINCOLN HWY.) @ HALSTED STREET TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	29–30	US. RTE. 30 (LINCOLN HWY.) @ HALSTED STREET TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	31–33	US. RTE. 30 (LINCOLN HWY.) @ ILLINOIS RTE. 1 (CHICAGO ROAD) TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	34–36	US. RTE. 30 (LINCOLN HWY.) @ ILLINOIS RTE. 1 (CHICAGO ROAD) TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	37–38	ILLINOIS RTE. 1 (CHICAGO ROAD) @ 16TH STREET REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, MODERNIZATION PLAN CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	39–40	ILLINOIS RTE. 1 (CHICAGO ROAD) @ 15TH STREET REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, MODERNIZATION PLAN CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	41–42	ILLINOIS RTE 1 (CHICAGO ROAD) @ DIXIE HIGHWAY TEMPOARY TRAFFIC SIGNAL, EXISTING REMOVAL AND CABLE PLANS
	43–44	ILLINOIS RTE. 1 (CHICAGO ROAD) @ DIXIE HIGHWAY TRAFFIC SIGNAL INSTALLATION PLAN, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES
	45	INTERCONNECT SCHEMATIC PLAN
	46-47	MAST ARM MOUNTED STREET NAME SIGNS

DISTRICT 1 STANDARD TYPICAL PAVEMENT MARKINGS

ARTERIAL ROAD INFORMATION SIGN

USER NAME = nguyensm

PLOT SCALE = 20.0000 '/ IN. PLOT DATE = 3/19/2009

-TS.dgn

DESIGNED - STEVEN N./JOE E./BRENDA K. REVISED DRAWN - STEVEN N./BRENDA K. REVISED CHECKED - JOE E. REVISED DATE - 3/15/09 REVISED -

CTATE OF HUBBOR				OF SH		D) PROM	F.A.P. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US. RO			(CHICAG HIGHW		ND) FROM 16TH STREET	353/876	2009-033 TS	COOK CONTRACT	49 NO. 6	2 50640
	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIS	T. NO. ILLINOIS FED. A		110.	70010

Part				UDBAN	FED/ST		ST/CHICAGO		FED/		FED/ST/CHIC	:AGO HEIGHTS			
Part		SUMMARY OF QUANTITIES		URBAN	90/10	1		·		T				T	
Process Proc	CODE NO	ITEM	UNIT		@	@ WENTWOTH	. @	@	@	@	@	@	@	ILL. RTE. 1	
SOUTH STREAM PROVIDED SING, ECC., LCD, DCD 2 STREAM PROVIDED SING, ECC., LCD, DCD 3 STREAM PROVIDED SING, ECC., LCD, DCD 3 STREAM PROVIDED SING, ECC., LCD, DCD 3 STREAM PROVIDED SING, ECC., LCD, DCD 4 STREAM PROVIDED SING, ECC., LCD, STREAM PROVIDED SING, ECC., LCD, DCD 4 STREAM SING, ECC., LCD, STREAM PROVIDED SING, ECC., LCD, S					Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F		
Fig. 1, 252 135 136 13	87800420		FOOT	30					15	15					
	X880812		EACH	2									2		
Fire Companies Secretary	X8808181		EACH	1									1		
1907 1907	X8808/6	1	EACH	1									1		
Accession Communication Review)	4240020		SQ FT	2798		720	628	210	336	448			456		
### STOCK NATIONAL MAN COUNTE MEMORY. 10 17 247 779 675 210 355 448 506 507 506 279 270	4240080	DETECTABLE WARNINGS	SQ FT	884		192	200	172	200				120		
MCDIME REPORT MCDIME REPOR			FOOT	93				39		24			30		
MCDIME REPORT MCDIME REPOR			SQ FT	2342	3	720	628	210	336	448					
COMPANDED COMPONENTE PILLID OFFICE, TYPE A CAL MO					120								-		
STOCK-000 DIGINER'S FIELD SPIECE, TYPE 4				,											
\$\frac{1}{100000} \text{NOTITION \$\frac{1}{1000000} \text{NOTITION \$\frac{1}{10000000} \text{NOTITION \$\frac{1}{10000000} \text{NOTITION \$\frac{1}{10000000} \text{NOTITION \$\frac{1}{100000000} \text{NOTITION \$\frac{1}{100000000} \text{NOTITION \$\frac{1}{1000000000} \text{NOTITION \$\frac{1}{10000000000000000000000000000000000						1	1	1		1	1	1	1		
TOLOGRAP STRUCT CONTION. MA PROTECTION. 1. SUM 1 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0					0.111		0.111			0. 112	0. 111	0, 111	0. 111		
STANDARD 1015052 TRAFFIC CONTROL AND PROTECTION.		TRAFFIC CONTROL AND PROTECTION,		1											
STANDARD TO 1966	7010262	· ·	L SUM	1	0.111	0.111	0.111	0.111	0.111	0.112	0.111	0.111	0.111		
TOIDESSO		1	L SUM	.1	0.111	0. 111	0. 111	0.111	0.111	0.112	0.111	0. 111	0. 111		
STANDARD TOTATO THATFIC CONTROL AND PROTECTION, 1 SUM 1 0.11	1		L SUM	1	0.111	0.1111	0. 111	0. 111	0.111	0.112	0. 111	0. 111	0. 111		and the state of t
STANDARD TOTAIN T2000100 SIGN PANEL - TYPE 1	7010263		L SUM	1	0.111	0. 111	0.111	0.111	0.111	0.112	0.111	0. 111	0.111		
72000200 SIGN PANEL - TYPE 2 50 FT 205 30 30 30 30 30 51.5 27.5	7010264		L SUM	1	0.111	0.111	0.111	0.111	0.111	0.112	0. 111	0. 111	0.111		
## T8000100 THERMOPLASTIC PAVEMENT MARKING	7200010	SIGN PANEL - TYPE 1	SQ FT	94.5	12	19.5	15	18	15			-	15		
- LETTERS AND SYMBOLS THERMOPLASTIC PAVEMENT MARKING FOOT 1753 392 350 381 630	7200020	SIGN PANEL - TYPE 2	SQ FT	205	30	30	30		30	57.5			27.5		
- LINE 6" * 78000600 THERMOPLASTIC PAVEMENT MARKING	7800010		SQ FT	1640				80	320	840	. •		400		
- LINE 12" 78300400 THERMOPLASTIC PAVEMENT MARKING REMOVAL SO FT 896 60 142 112 104 170 84 84 84 140 78300500 PAINT PAVEMENT MARKING REMOVAL SO FT 302 81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED FOOT 1698 752 388 32 526 81000700 CONDUIT IN TRENCH, 2" DIA., FOOT 230 50 34 102 FILE NAME: SQUARMING STEEL THE NAME: SQUARMING STEEL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANNITIES (SHEET 1 OF 4) US. ROUTE 30 (LINCOLN HIGHWAY) FROM STATE ST. TO 16TH ST. TO 15TH ST. TO 257/876 2009-033 TS. COOK 49 FILE NAME: SQUARMING STEEL SQUARMING ST. TO 15TH ST.	7800040		FOOT	1753		392	350	381	630						
- LINE 24" 78300400 THERMOPLASTIC PAVEMENT MARKING REMOVAL SQ FT 896 60 142 112 104 170 84 84 84 140 78300500 PAINT PAVEMENT MARKING REMOVAL SQ FT 302 81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED FOOT 1698 752 388 32 526 81000700 CONDUIT IN TRENCH, 2 1/2" DIA., FOOT 230 50 34 102 44 FILE NAME = COLVANIZED STEEL FILE NAME = COLVANIZED STEEL SECTION STEVEN NAME - PROPRIED NO. TO STEVEN	7800060		FOOT	1965		-				696	440	440	389		
78300500 PAINT PAVEMENT MARKING REMOVAL SO FT 302 81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED FOOT 1698 752 388 32 526 81000700 CONDUIT IN TRENCH, 2 1/2" DIA., FOOT 230 50 34 102 FILE NAME = AQUINTIES STEEL FILE NAME = AQUINTIES SHEET 1 OF 4) DRAWN -STEVEN NAVIGE REMOVAL K. REVISED - PLOT SCALE = 500000 // M. CHECKED -JOE E. REVISED - PLOT SCALE = 500000 // M. CHECKED -JOE E. REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BY THE NAME = AQUINTIES (SHEET 1 OF 4) DRAWN -STEVEN NAVIGERODA K. REVISED - PLOT SCALE = 500000 // M. CHECKED -JOE E. REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BY THE NAME = AQUINTIES (SHEET 1 OF 4) DRAWN -STEVEN NAVIGERODA K. REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BUSINOIS RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY. CONTRACT NO. 6 STATE OF TRANSPORTATION	7800065		FOOT	1076	152	108	84	80	164	173	92	92	131		
81000600 CONDUIT IN TRENCH, 2" DIA., GALVANIZED FOOT 1698 752 388 81000700 CONDUIT IN TRENCH, 2 1/2" DIA., FOOT 230 50 34 102 FILE NAME = GALVANIZED STEEL FILE NAME = ODESIGNED - STEVEN N./ JOE E./BRENDA K. REVISED - ONAL MACK AND	7830040	THERMOPLASTIC PAVEMENT MARKING REMOVAL	SQ FT	896	60	142	112	104	170		84	84	140		
STEEL 81000700 CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL FILE NAME = GRAWN - STEVEN NL/JOE EL/BRENDA K. REVISED - GRAWN - STEVEN NL/JOE EL/BRENDA K. REVISED - GRAWN - STEVEN NL/JOE EL/BRENDA K. REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS TILLINOIS RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY. STATE OF ILLINOIS TILLINOIS RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY. GOOD - STEVEN NL/JOE EL/BRENDA K. REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS TILLINOIS RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY. CONTRACT NO. 6	7830050	PAINT PAVEMENT MARKING REMOVAL	SQ FT	302						302					
FILE NAME = OLYMNIZED STEEL FILE NAME = OLYMNIZED STEEL STATE OF ILLINOIS OLYMNIZED STEEL SUMMARY OF QUANITIES (SHEET 1 OF 4) OLYMNIZED STEEL SUMMARY OF QUANITIES (SHEET 1 OF 4) OLYMNIZED STEEL SUMMARY OF QUANITIES (SHEET 1 OF 4) OLYMNIZED STEEL SUMMARY OF QUANITIES (SHEET 1 OF 4) OLYMNIZED STEEL SUMMARY OF QUANITIES (SHEET 1 OF 4) OLYMNIZED STEEL OLYMNIZED	8100060		FOOT	1698	752		388			32		-	526		
The state of illinois and the state of illinois and illinois and illinois are interested and interested and interested and illinois are interested and interested	8100070		FOOT	230	50	34	102						44		
The state of illinois and interest to the state of illinois and interest to the state of illinois and illinois are interest. The state of illinois are illinois a	1						<u> </u>	<u> </u>				1	<u> </u>	<u> </u>	
	c:\pw_work\pwlde														ILE 30 (LINCULN HIGHWAY) FRUM STATE ST. TO TOTAL ST. 353/876 2009-033 TS COOK 49 3
* SPECIALTY ITEMS		PLOT DATE = 3/20/2009 DA						1					<u> </u>		OUTTINOT NOT OUT O

			1,00411	FED/ST		CHICAGO HEI		FED/		FED/ST/CHIO				
, , , , , , , , , , , , , , , , , , , ,	SUMMARY OF QUANTITIES		URBAN		90/5/5 C US.30	90/5/5 US.30	ON TYPE C			90/5/	T	90/	1	
CODE NO	ITEM	UNIT	TOTAL		WENTWOTH AVE.	CENTER AVE.		US.30 @ HALSTED ST.	US.30 @ ILL. RTE. 1	ILL. RTE. 1 @ 16TH STREET.			INTERCONNECT ILL. RTE. 1 Y (CHICAGO RD.)	
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED	FOOT	42	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F 26	Y031-1F	Y031-1F	Y031-1F	Y031-1F		
81000800	STEEL STEEL	1001	1					20	10					
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	132	10		10	8	10				94		
81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10						10					
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	4567	324	603	210	618	1221	1306			285		
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	212			·	145					67		
81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	80	1								80		
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1669	249	152	198	134	394	326			216		
81400100	HANDHOLE	EACH	40	7	5	5	4	. 6	7			6		
81400200	HEAVY-DUTY HANDHOLE	EACH	18	4	2		1	4	4			3		
81400300	DOUBLE HANDHOLE	EACH	10	1	1	1	1	2	2			2		
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2003	762	38	378	14	34	160			617		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3			1				1	1			
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	8	1	1	1	1	1		1	1	1		
85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1						1					
86000105	MASTER CONTROLLER (SPECIAL)	EACH	1		-		,		1			1.		
86400100	TRANSCEIVER - FIBER OPTIC	EACH	3						1	1	1			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3472		610	450	469	636	667			640		
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6512	300	869	826	639	1314	1670			894	:	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	10922	1438	1379	1701	1852	1434	1662	-		1456		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	7094	1445	527		237	1440	895			2550		
87301305	NO. 14 1 PAIR	FOOT	12539	2089	1129	860	986	2292	3083			2100		
87301805	NO. 6 2 C	FOOT	774		108	117	48	180	234			87	-	
87502480	14 FT.	EACH	4			1	3							
87700150	16 FT.	EACH	5	1	2				2	* '				
87700150 87700160	FT.	EACH	1		2	1						2		
	FT.				. *	•								
FILE NAME = c:\pw_work\pwldat\ngc	USER NAME = nguyensm uyensm\d0l(17709\Rabs-T.S.dgn	DRAWN ~STE	EVEN N./JOE E./BRENI EVEN N./BRENDA K.	REVISED) -					ILLINOIS			US. ROUT	SUMMARY OF QUANITIES (SHEET 2 OF 4) TE 30 (LINCOLN HIGHWAY) FROM STATE ST. TO 16TH ST. SPITE 1 (CHICAGO PD) FROM 15TH ST TO DIVIS HAW 353/876 2009-033 TS COOK 49 4
	PLOT SCALE = 50,0000 ' / IN. PLOT DATE = 3/19/2009	DATE -3/1		REVISED			-	DEPARTN	TENT OF	TRANSPO	RTATION		SCALE:	S RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY. SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

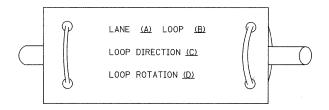
			46544	FED/ST		CHICAGO HE		FED		FED/ST/CHIC)/st	
	SUMMARY OF QUANTITIES		URBAN		90/5/5 C	90/5/5	ON TYPE CO		10	90/5/		96/	T	
ODE NO	ITEM	UNIT	TOTAL QUANTITIES		@ WENTWOTH AVE.		US.30 @ EAST END AVE		US.30 @ ILL. RTE. 1	-	ILL. RTE. 1 @ 15TH STREET		INTERCONNECT ILL. RTE. 1 (CHICAGO RD.)	
7700170	STEEL MAST ARM ASSEMBLY AND POLE, 26	EACH	2	Y031-1F	Y031-1F	Y031-1F 2	Y031-1F	Y031-1F	Y031-1F	Y031~1F	Y031-1F	Y031-1F		
	FT.													
7700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1.				1				·	:		
7700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	3		2	1			-		v.			
7700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	2				1					1		
700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	4	1					2			1		
700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	3	3										
700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1					1						
700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1					1						
700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2					1				1		
700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1					1				,		
702316	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 44 FT.	EACH	,, 1			.′			1 .					
800100	CONCRETE FOUNDATION, TYPE A	FOOT	40	4	8	. 8	1,2		8					
800150	CONCRETE FOUNDATION, TYPE C	FOOT	28	4	4	4	4	4	. 4			4		
800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	195		60	60	30		15			30		
800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	180	60		2		45	30			45		
900200	DRILL EXISTING HANDHOLE	EACH	2				-		2					
030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	63	8	. 8	8	5	8	8	6	6	6		
030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	11		2	4				2	2	1		
3030070	SIGNAL HEAD, LED, 1-FACE, 4 SECTION, BRACKET MOUNTED	EACH	1									1		
3030080	SIGNAL HEAD, LED, 1-FACE, 4 SECTION, MAST ARM MOUNTED	EACH	1									1		
8030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	17	4	2			4	2	2.	2	1		
030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	21	4	2			4	6	2	2	1		
3030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5		2		2					1		
030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1									1		
3030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	6		2				4					
030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1							
E NAME :=			VEN N./JOE E./BREND									'	He per	SUMMARY OF QUANITIES (SHEET 3 OF 4) THE 20 (LINCOLN HIGHWAY) EDOM STATE ST TO 16TH ST
w_work\pwldat\ng	The second secon	DRAWN -STE	VEN N./BRENDA K.	REVISEI REVISEI				DEPARTN		ILLINOIS			US. KUU ILLINO	ITE 30 (LINCOLN HIGHWAY) FROM STATE ST. TO 16TH ST. IS RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY.

CONTRACTOR AND STREET	and the second s					FED/ST/C	HICAGO HEIG	HTS	FED/	' S7		AGO HEIGHTS	FED/	'sr	
	,	SUMMARY OF QUANTITIES		URBAN	90/10		ONSTRUCTION 40/5/5	ON TYPE CO	DE 96/ /	0	90/5/	; 	90/	10	
CODE	. NO	ITEM	UNIT	TOTAL QUANTITIES	US.30 @ STATE ST.	US.30 @ WENTWOTH AVE.	US.30 @	US.30 @ EAST END AVE.	US.30 @ Halsted St.	US.30 @ ILL. RTE. 1	ILL. RTE. 1 @ 16TH STREET.	ILL. RTE. 1 @ 15TH STREET	ILL. RTE. 1 @ DIXIE HIGHWAY	INTERCONNECT ILL. RTE. 1 (CHICAGO RD.)	
88030	0330	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	. 1	Y031-1F	Y031-1F	Y031-1F	Y031-1F 1	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F		
8810	2717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4				2					2		
8810	2747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	27		4	4	2	4	4	4	4	1		
8820	0210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	91	12	10	8	6	12	15	8	8	12		
8850	0100	INDUCTIVE LOOP DETECTOR	EACH	67	9	6	4	5	9	10	7	8	9		
8860	0100	DETECTOR LOOP, TYPE I	FOOT	3821	660	530	366	382	588	612	-	1	683		
8880	0100	PEDESTRIAN PUSH-BUTTON	EACH	23		4	4	4	4	4			3		
8900	0100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	6	1	1		1	1	1			1		
8950	2300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9657	1400	50	1220		1470	2177		-	1840	1500	
8950	2375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	9	1	1	1	1	1	1	1	1	1		
8950	2380	REMOVE EXISTING HANDHOLE	EACH	36	8	6	1	4	4	6			7		
8950	2385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	47	9	7		7	9	9			6		
X032	2256	TEMPORARY INFORMATION SIGNING	SQ FT	104	26					26	26		26		
X032	2925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2305						715				1590	
X032	25737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6	1	1		. 1.	1	1		-	1		
X032	25988	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 54 FT.	EACH	1	2					1		-			
X805	0015	SERVICE INSTALLATION - POLE MOUNTED	EACH	5	Collabora.	1	1	1	1	1			***		
X862	20020	UNINTERRUPTIBLE POWER SUPPLY	EACH	9	1	1	1	1	1	1	1	1	1		
X873	30027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	4605	484	615	620	410	560	770			1146		
X873	30250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	913	300				288	325					
xxoo	5877	REMOVE EXISTING WOOD UTILITY POLES	EACH	1		1		·	* .						
X871	10020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1590										1590	
x032	22925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14-1C	F00T-	1590					,					1590	
X032	25705	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3				\$		1	1	1			
Ø ₹007	76600	TRAINEES	Hour	500				·	500						
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ø-	Y080														
FILE NA	AME =		IGNED - STEVE	N N./JOE E./BRENDA	A K. REVISED	<u> </u>	<u></u>	<u> </u>	T .	<u> </u>	<u> </u>	<u></u>		<u></u>	SUMMARY OF QUANITIES (SHEET 4 OF 4) SUMMARY OF QUANITIES (SHEET 4 OF 4) RIE. SECTION COUNTY TOTAL ST RIE. SECTION COUNTY SHEETS OF THE ST
c:\ow_wor	rK\pwldaf\nguye	DRA	CKED -JOE E.		REVISED REVISED REVISED			l	S DEPARTM	TATE OF ENT OF 1				US. ROUT ILLINOIS SCALE:	TE 30 (LINCOLN HIGHWAY) FROM STATE ST. TO 16TH ST. S RTE. 1 (CHICAGO RD.) FROM 16TH ST. TO DIXIE HWY. SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

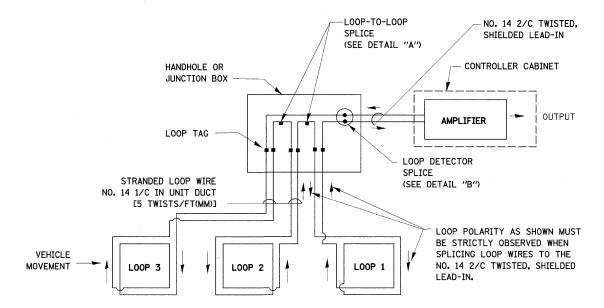
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

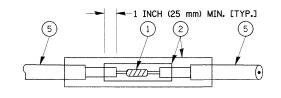


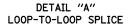
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

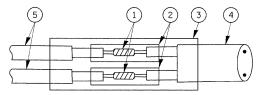


DETECTOR LOOP WIRING SCHEMATIC

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







DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

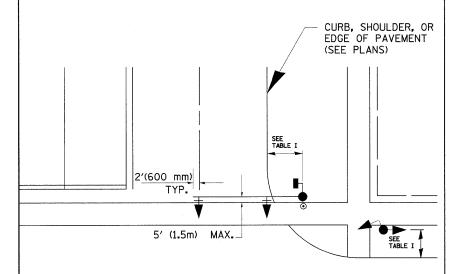
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DEPARTMENT	OF '	TRANSPORTATION

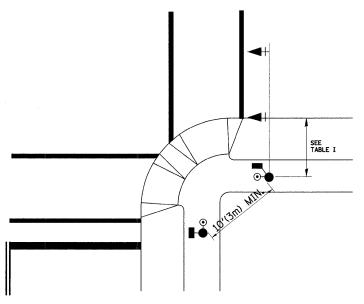
DISTRICT ONE	F.A.P. RTE.	SEC	TION	COUNTY	TOTAL	SHEE NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	353/876	2009	9-033 TS	COOK	49	7
				CONTRACT	NO. (60G40
SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DI	ST. NO.	ILLINOIS FEE	D. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

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



PEDESTRIAN SIGNAL PUSHBUTTON



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

NOTES:

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

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

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

- A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
- B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
- C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
- E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m)
 ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- 3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- 4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

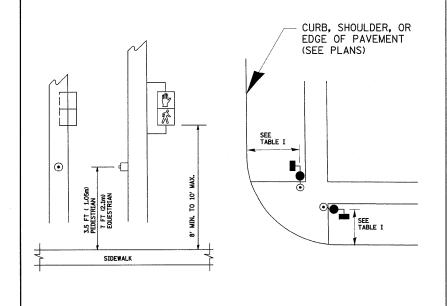
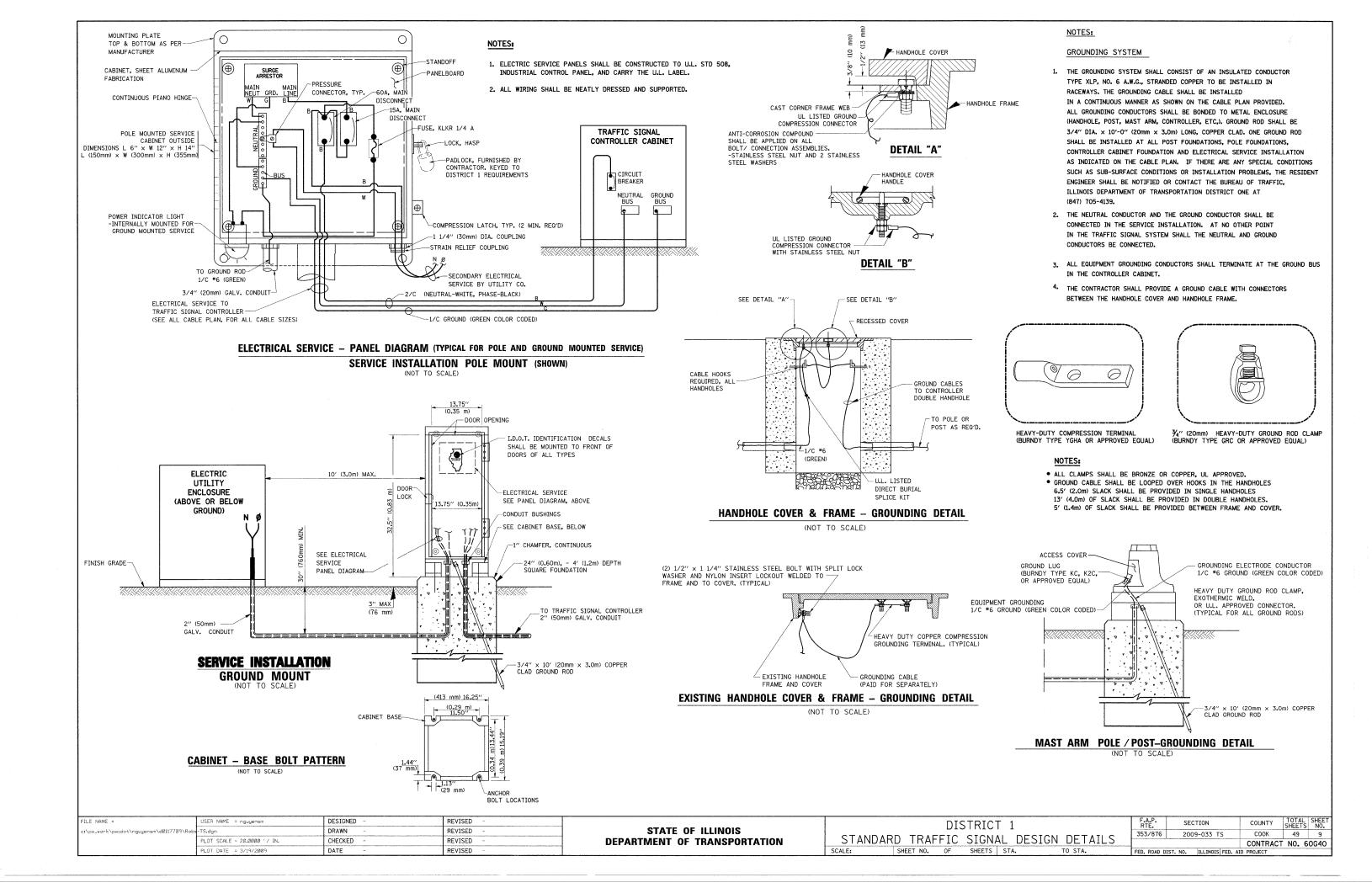
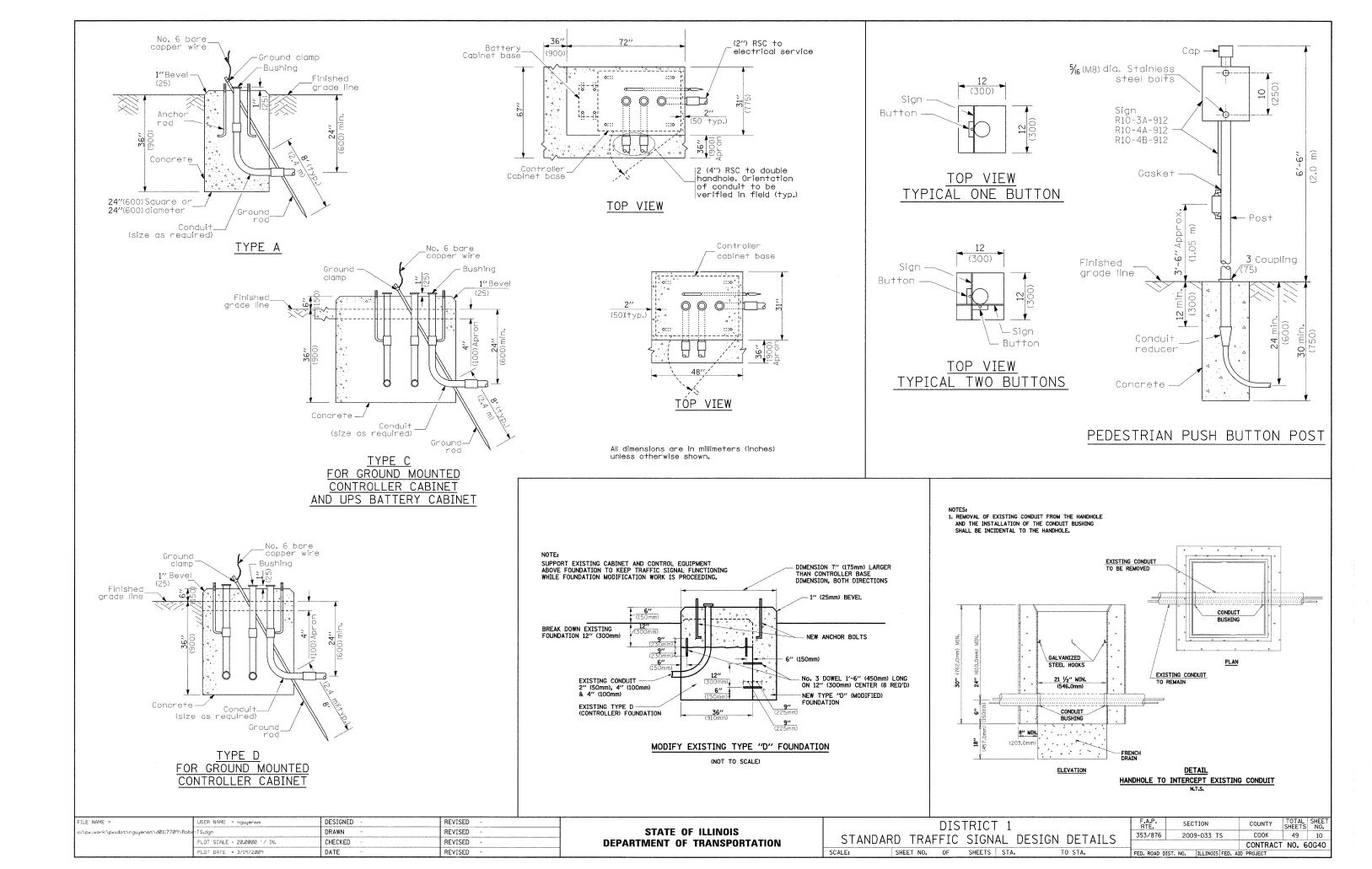


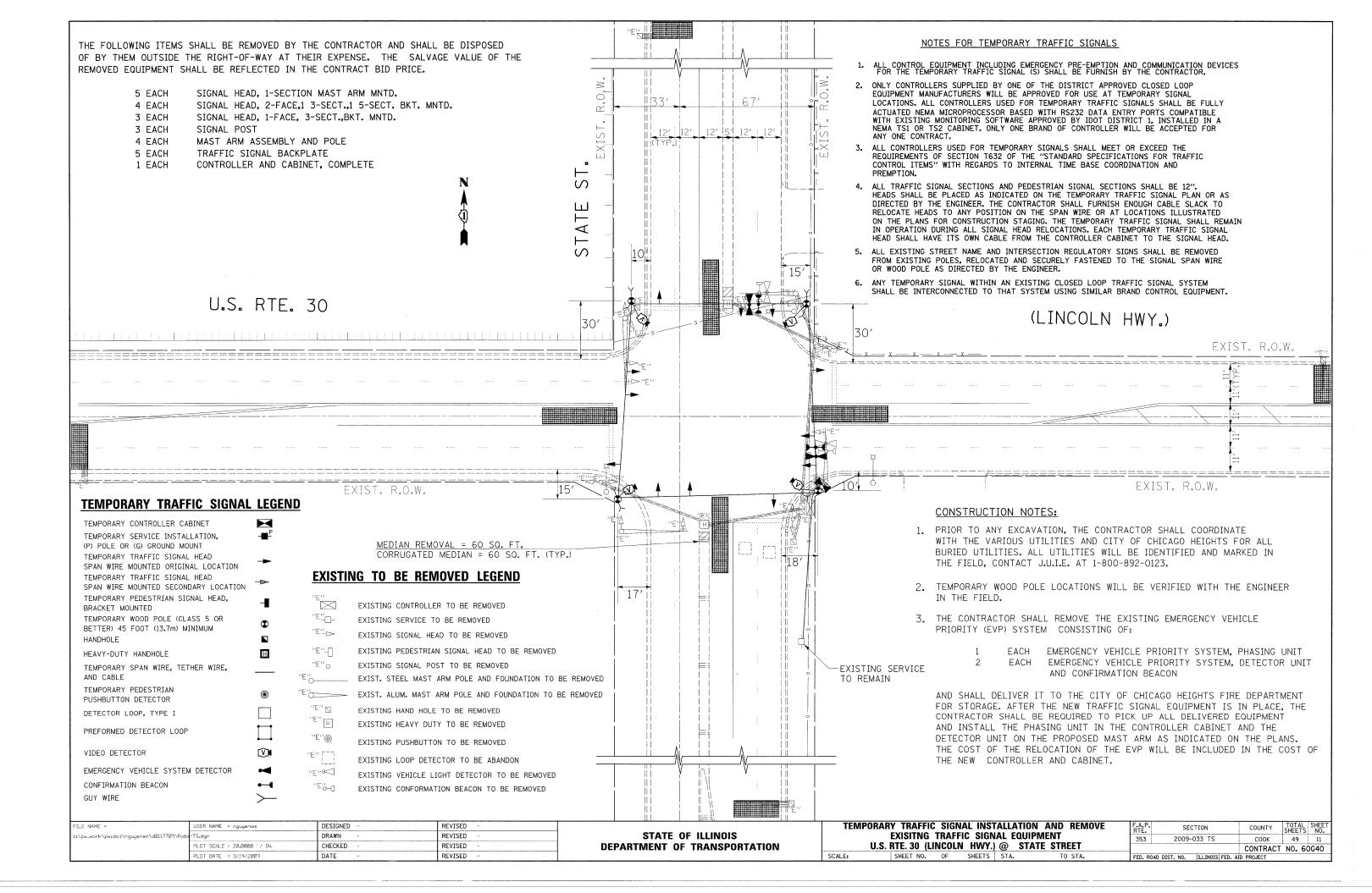
TABLE I

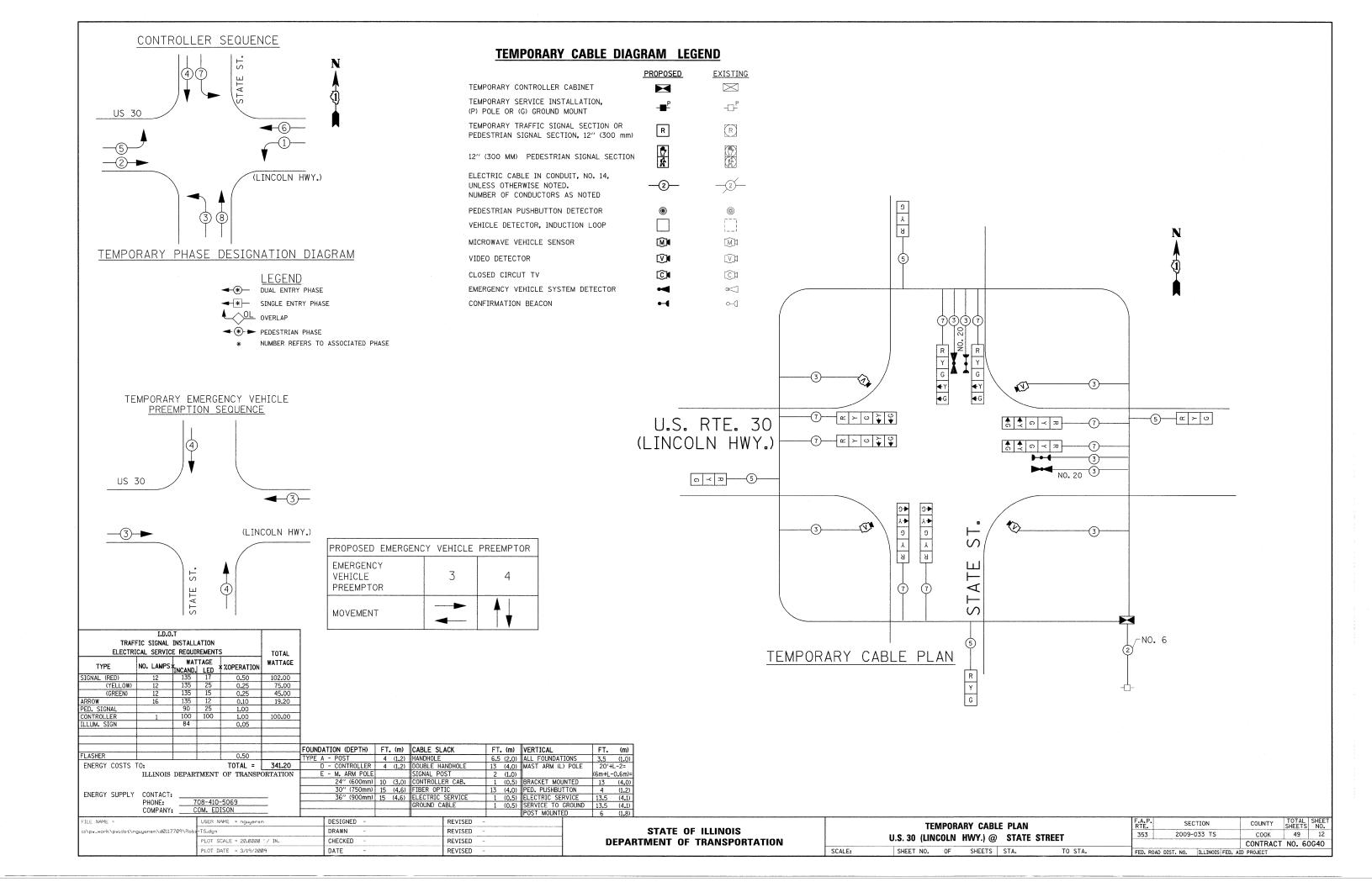
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m),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

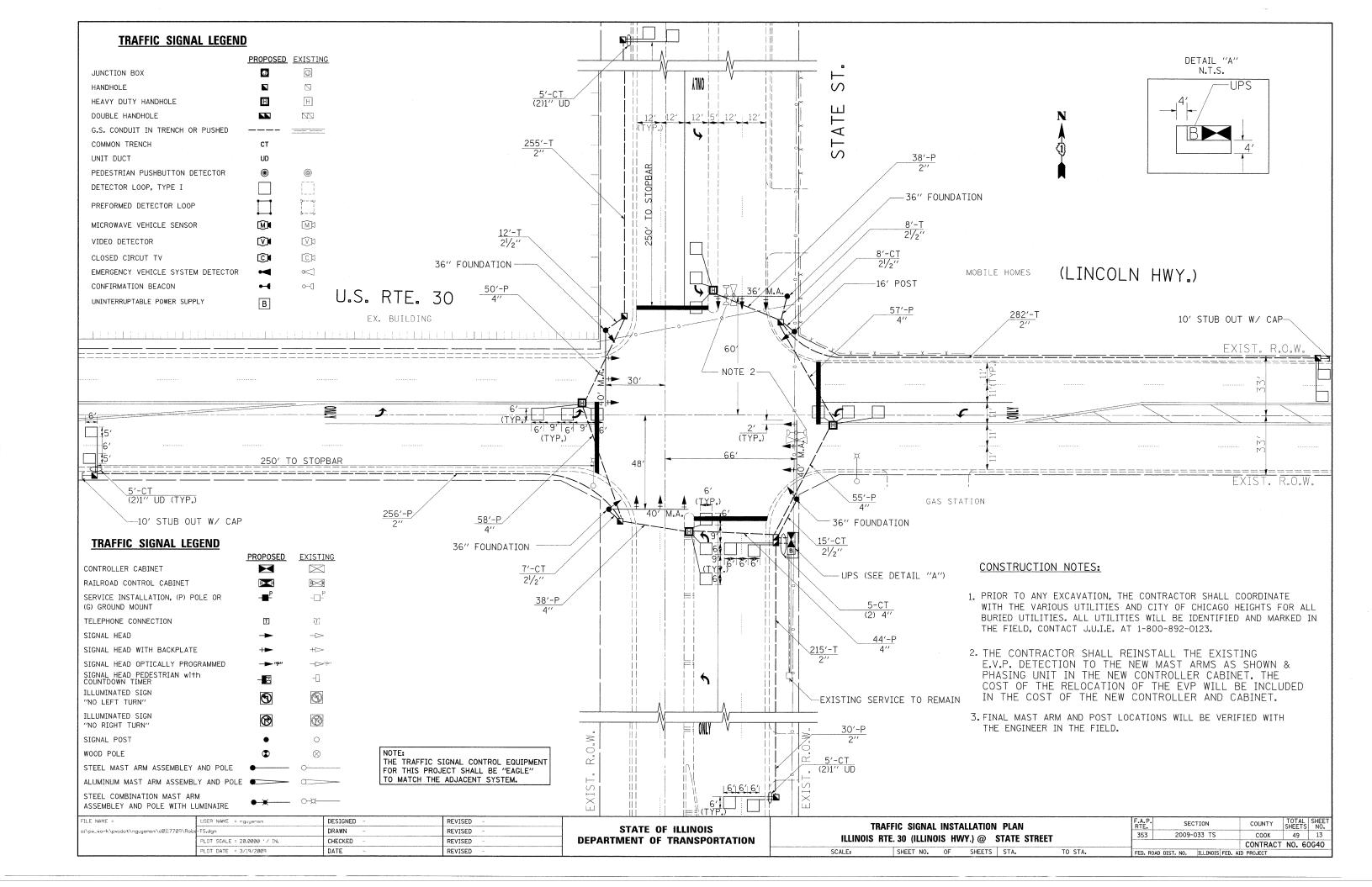
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	PLOT DATE = 3/19/2009	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIS	T. NO. ILLINOIS FED. A	AID PROJECT		

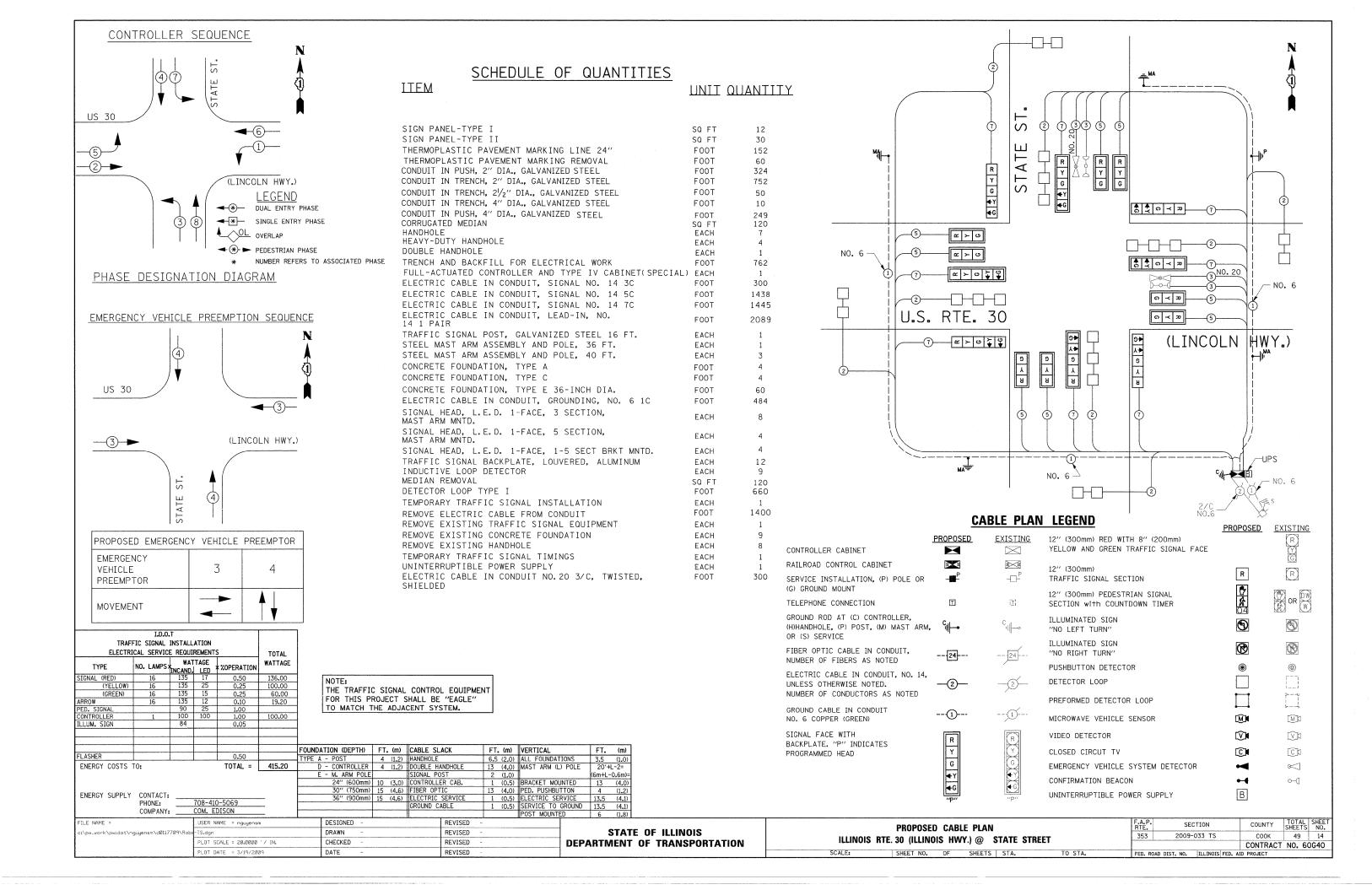


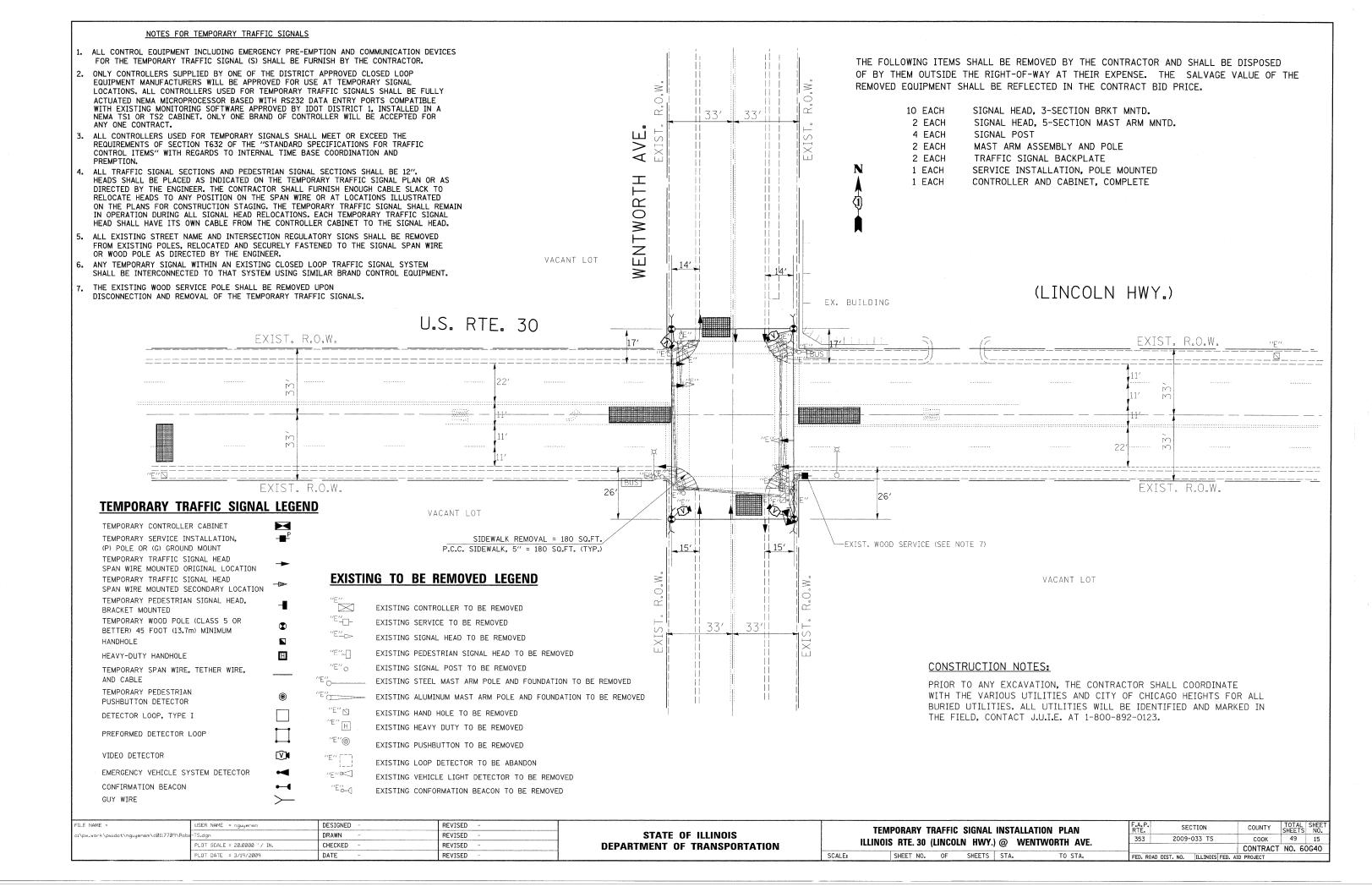




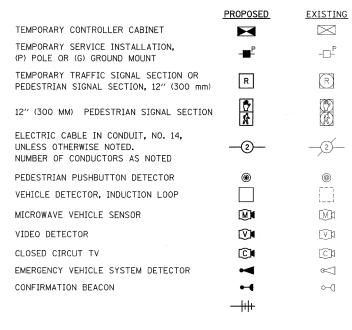


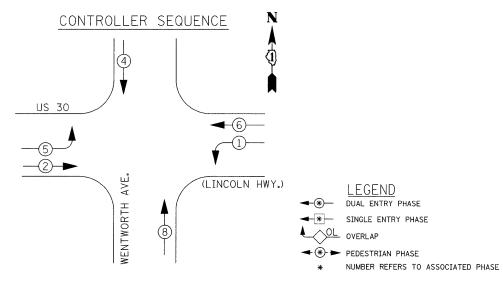












TEMPORARY PHASE DESIGNATION DIAGRAM

I.D.O.T

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3—3	(5) (5) (3) (R) (R) (Y) (G) (G) (G) (G) (G) (G) (G) (G) (G) (G
U.S. RTE. 30	
(LINCOLN HWY.)	(5)—(\alpha > \o)
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(C) (C) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	3
(5) (5)	AVE
TEMPORARY CABLE PLAN	MENTWORTH WORTH
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	1.0.0.	• (
TRAF	FIC SIGNAL	INSTALL	ATION								
ELECTR	ICAL SERVIC	e requi	REMENT	S	TOTAL						
TYPE	NO. LAMPS:	WAT	TTAGE LED	× %OPERATION	WATTAGE						
SIGNAL (RED)	12	135	17	0.50	102.00						
(YELLOW)	12	135	25	0.25	75.00						
(GREEN)	12	135	15	0.25	45.00						
ARROW	8	135	12	0.10	9,60	}					
PED. SIGNAL		90	25	1.00							
CONTROLLER	1	100	100	1.00	100,00						
ILLUM. SIGN		84		0.05							
E. 10155						FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT.	(m)	VERTICAL
FLASHER	L	<u> </u>	<u> </u>	0.50		TYPE A - POST	4 (1.2)	HANDHOLE	6.5	(2.0)	ALL FOUNDATIONS
ENERGY COSTS	TO:			TOTAL =	331.60	D - CONTROLLER	4 (1,2)	DOUBLE HANDHOLE	13	(4.0)	MAST ARM (L) PO
	ILLINOIS	DEPAR'	TMENT	OF TRANSP	ORTATION	E - M. ARM POLE		SIGNAL POST	2	(1.0)	
1						24" (600mm)	10 (3.0)	CONTROLLER CAB.	1	(0.5)	BRACKET MOUNTE
ENEBGY CHODLY	CONTACT					30" (750mm)	15 (4.6)	FIBER OPTIC	13	(4.0)	PED. PUSHBUTTON
ENERGY SUPPLY			08-410	-5069	_	36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1	(0.5)	ELECTRIC SERVICE
	PHONE:		OM. ED					GROUND CABLE	1	(0.5)	SERVICE TO GROU
1	COMPANY:		JOINI ED	12014							POST MOUNTED

FILE NAME = DESIGNED REVISED DRAWN REVISED CHECKED LOT SCALE = 20.0000 '/ IN. REVISED DATE REVISED

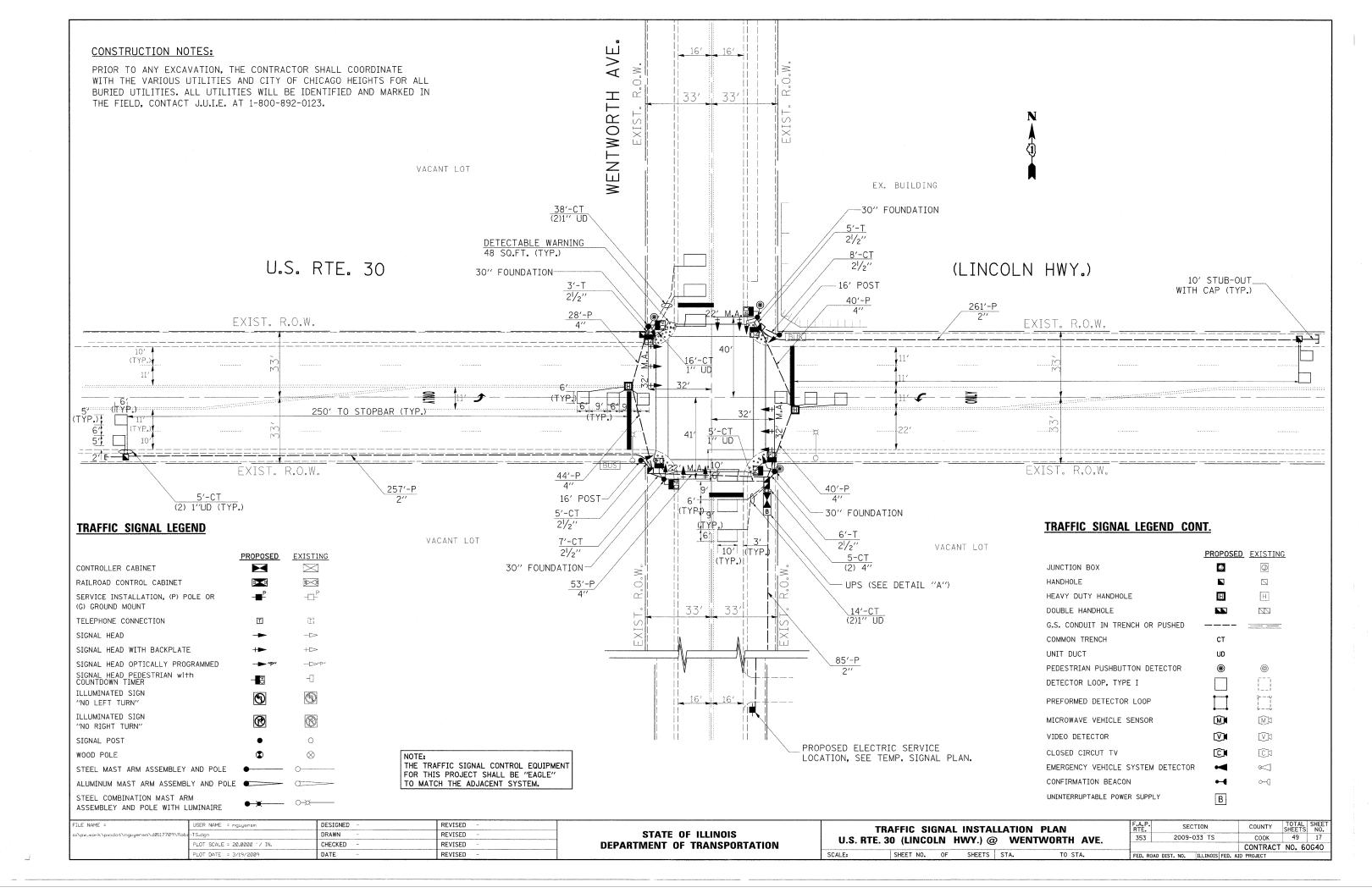
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

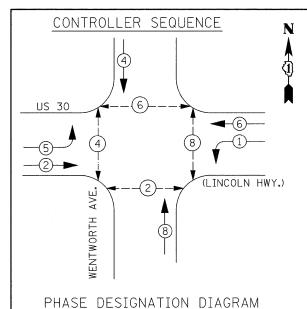
SECTION TEMPORARY CABLE PLAN 2009-033 TS 353 U.S. 30 (LINCOLN HWY.) @ WENTWORTH AVE. SCALE: SHEET NO. OF SHEETS STA. FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

COUNTY TOTAL SHEET NO.

CONTRACT NO. 60G40

COOK 49 16





<u>LEGEND</u> DUAL ENTRY PHASE * SINGLE ENTRY PHASE OL OVERLAP

→ (*)- ➤ PEDESTRIAN PHASE

* NUMBER REFERS TO ASSOCIATED PHASE

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

	I.D.O.	T										
TRAFI												
ELECTRI	ELECTRICAL SERVICE REQUIREMENTS											
TYPE	WATTAGE											
SIGNAL (RED)	NO. LAMPS>	135	17	0.50	153.00							
(YELLOW)	18	135	25	0.25	112.50							
(GREEN)	18	135	15	0.25	67.50							
ARROW	8	135	12	0.10	9,60							
PED. SIGNAL	8	90	25	1.00	200.00							
CONTROLLER	1	100	100	1.00	100.00							
ILLUM. SIGN		84		0.05								
FL ASHER				0.50								

ENERGY COSTS TO:

ENERGY SUPPLY CONTACT: PHONE: COMPANY: FILE NAME = DESIGNED REVISED DRAWN REVISED

CHECKED

DATE

TOTAL = 642.60

PLOT SCALE = 20.0000 '/ IN.

SCHEDULE OF QUANTITIES

UNIT QUANTITY

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

<u> </u>	UNIT	QUANTI
PORTLAND CEMENT CONRETE SIDEWALK 5 INCH	SQ FT	720
SIDEWALK REMOVAL	SQ FT	720
DETECTABLE WARNINGS	SQ FT	192
SIGN PANEL-TYPE I	SQ FT	19,5
SIGN PANEL-TYPE II	SQ FT	30
THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	392
THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	108
THERMOPLASTIC PAVEMENT MARKING REMOVAL	SQ FT	142
CONDUIT IN PUSH, 2" DIA., GALVANIZED STEEL	FOOT	603
CONDUIT IN TRENCH, 21/2" DIA., GALVANIZED STEEL	FOOT	34
CONDUIT IN PUSH, 4" DIA., GALVANIZED STEEL	FOOT	152
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET(SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	610
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	869
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1379
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	527
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.		
14 1 PAIR	FOOT	1129
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	108
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	615
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	60
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION,	EACH	8
MAST ARM MNTD.	EACH	٥
SIGNAL HEAD, L.E.D. 1-FACE, 5-SECTION,	EACH	2
MAST ARM MNTD.	E A O.U.	-
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION BRKT. MNTD.	EACH	2
SIGNAL HEAD, L.E.D. 1-FACE, 3-SECTION BRKT. MNTD.	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRKT. MNTD. with COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	38
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP TYPE I	FOOT	530
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	
REMOVE ELECTRICAL CABLE FROM CONDUIT		1
	FOOT	50
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING WOOD UTILITY POLE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1

PUSH BUTTON NOTES:

ITEM

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

OUNDATION (DEPTH)	FT. (m)	CABLE SLACK		VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L-0,6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

REVISED

REVISED

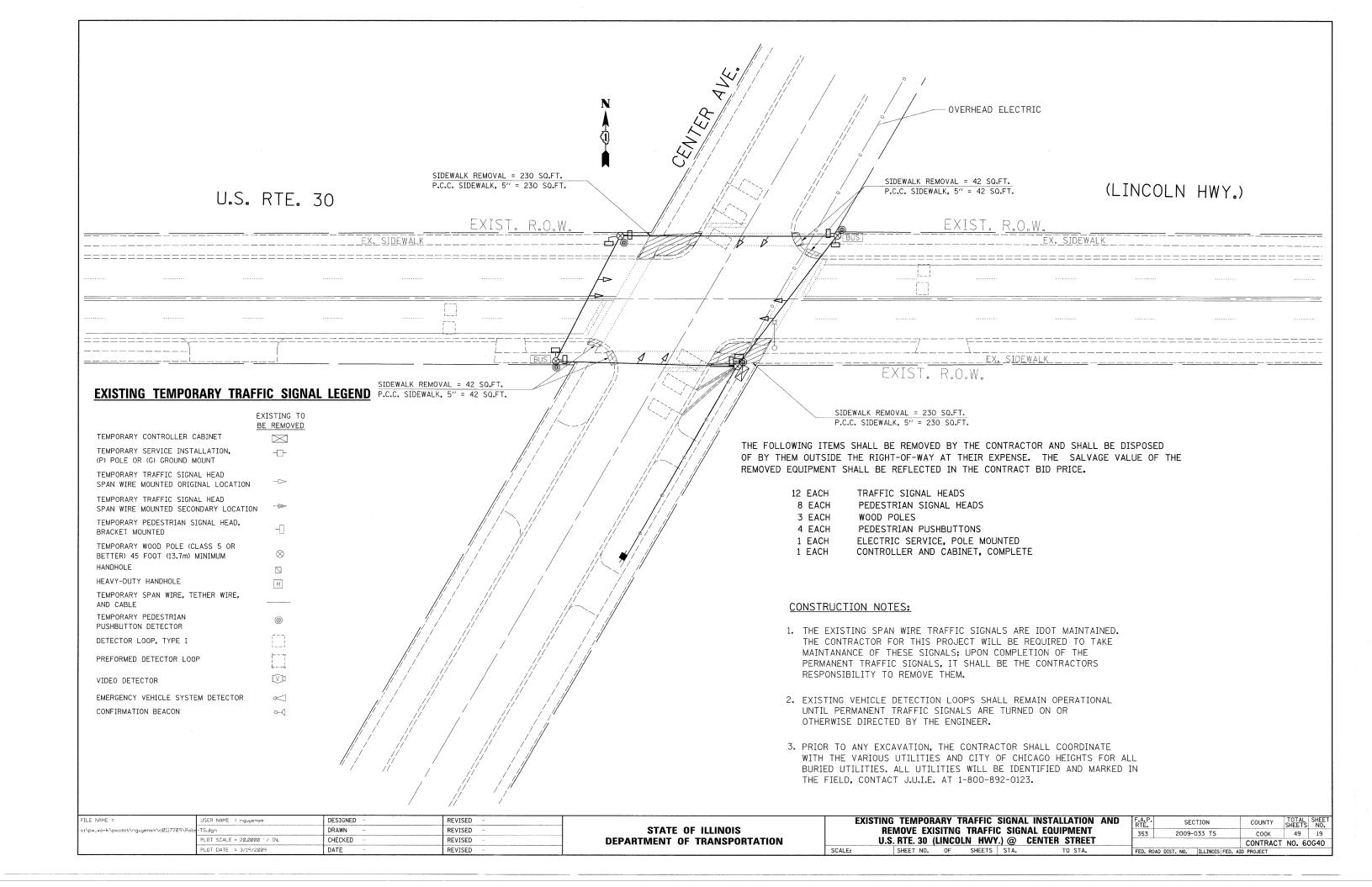
AV. 工 OR. WENTW \$ \$ 0 < x Y N (LINCOLN HWY.) \$ \$ 0 < z ග ≺ න U.S. RTE. 30 G ≺ R NO. 6 -(5)-В У В R > G ਬ **ੂ≫, ੍⊅ ਪ੍** "D" (3) (3) NO. 6 UPS-NO. 6

CONTROLLER CABINET RAILROAD CONTROL CABINET SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT TELEPHONE CONNECTION GROUND ROD AT (C) CONTROLLER, (H)HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE FIBER OPTIC CABLE IN CONDUIT. NUMBER OF FIBERS AS NOTED ELECTRIC CABLE IN CONDUIT, NO. 14. UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN) SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD

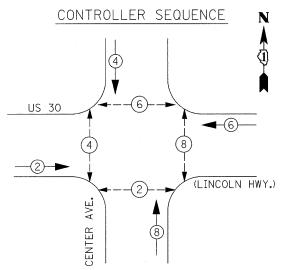
CABLE PLAN LEGEND PROPOSED **EXISTING EXISTING** 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE \boxtimes R► €E R 12" (300mm) R -P TRAFFIC SIGNAL SECTION OR W 12" (300mm) PEDESTRIAN SIGNAL SECTION with COUNTDOWN TIMER ILLUMINATED SIGN 1 9 "NO LEFT TURN" ILLUMINATED SIGN "NO RIGHT TURN" **(** PUSHBUTTON DETECTOR 0 DETECTOR LOOP g-----PREFORMED DETECTOR LOOP MICROWAVE VEHICLE SENSOR M MVIDEO DETECTOR [V] CLOSED CIRCUT TV [C] C N EMERGENCY VEHICLE SYSTEM DETECTOR • G√ CONFIRMATION BEACON •--0--(] В UNINTERRUPTIBLE POWER SUPPLY

PROPOSED CABLE PLAN ILLINOIS RTE. 30 (ILLINOIS HWY.) @ WENTWORTH AVE. SHEET NO. OF SHEETS STA.

COUNTY TOTAL SHEE NO. SECTION соок 49 353 2009-033 TS CONTRACT NO. 60G40



EXISTING TEMPORARY CABLE DIAGRAM LEGEND EXISTING TEMPORARY CONTROLLER CABINET \boxtimes TEMPORARY SERVICE INSTALLATION, $-\Box$ (P) POLE OR (G) GROUND MOUNT TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm) 12" (300 MM) PEDESTRIAN SIGNAL SECTION ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR DETECTOR LOOP, TYPE I PREFORMED DETECTOR LOOP VIDEO DETECTOR ∇ EMERGENCY VEHICLE SYSTEM DETECTOR G< CONFIRMATION BEACON 0-(



PLOT SCALE = 20.0000 '/ IN.

PLOT DATE = 3/19/2009

LEGEND

DUAL ENTRY PHASE

* DUAL ENTRY PHASE

* SINGLE ENTRY PHASE

REVISED

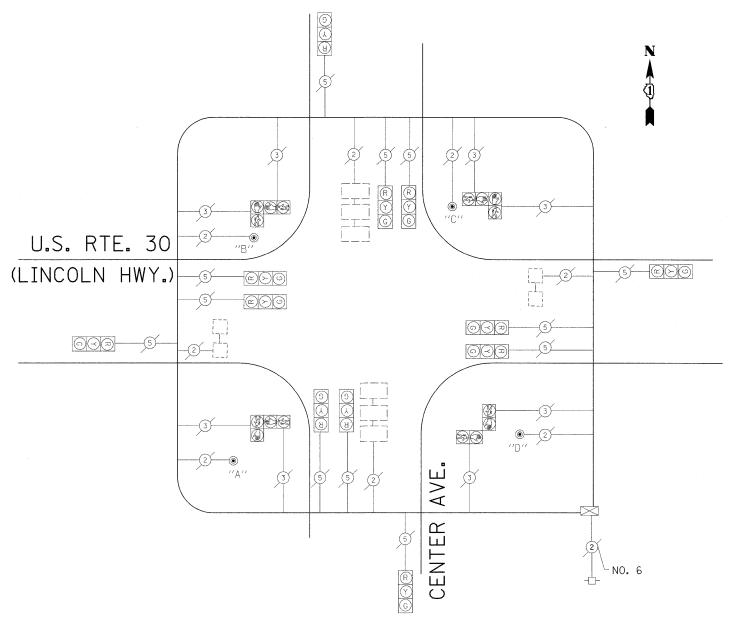
REVISED

*OL OVERLAP

		5	1	.			**	, OL	- OVE	RLAP							
	PHASE	E DE	SIG	NATION	DIAG	RAM	◆ (*)	€)- ►		ESTRIAN P BER REFER	HASE 'S TO ASSOCI	IATED	PHAS	SE			
· · · · · · · · · · · · · · · · · · ·	I.D.O	.T				1											
TRAF	FIC SIGNAL	INSTALL	ATION														
ELECTRI	ICAL SERVIC	E REQUII	REMENT	S	TOTAL												
TYPE	NO. LAMPS	WAT	TAGE	*%OPERATION	WATTAGE												
SIGNAL (RED)	12	135	17	0.50	810.00	1											
(YELLOW)	12	135	25	0.25	405.00]											
(GREEN)	12	135	15	0.25	405.00]											
ARROW		135	12	0.10		1											
PED. SIGNAL	8	90	25	1.00	720.00	4											
CONTROLLER	11	100	100	1.00	100.00	4											
ILLUM. SIGN	 	84		0.05		-											
						1											
						FOUND	ATION (DEPTH)	FT	(m)	CABLE SL	ACK	FT.	(m)	VERTICAL		FT.	(m)
FLASHER	L			0.50		TYPE A	- POST	4	(1.2)	HANDHOLE	***************************************	6.5	(2.0)	ALL FOUNDAT	IONS	3.5	(1.0)
ENERGY COSTS	T0:			TOTAL =	2440.00		- CONTROLLER	4	(1.2)	DOUBLE HA	ANDHOLE	13	(4.0)	MAST ARM (L	POLE	20'+	
	ILLINOIS	DEPART	TMENT	OF TRANSP	ORTATION	E	- M. ARM POLE			SIGNAL PO		2	(1.0)	1		(6m+L-	0.6m)=
							24" (600mm)	10	(3.0)	CONTROLL		1		BRACKET MOL		13	(4.0)
ENERGY SUPPLY	CONTACT:						30" (750mm)	15	(4.6)	FIBER OPT		13		PED. PUSHBU		4	(1.2)
LNERGI SUPPLI	PHONE:	7	08-410	-5069	-		36" (900mm)	15	(4.6)	ELECTRIC		1		ELECTRIC SER		13.5	(4.1)
	COMPANY		OM. ED		_					GROUND C	ABLE	1	(0.5)	SERVICE TO		13.5	(4.1)
	JOHN ANT	-				<u> </u>				L		L		POST MOUNTE	:U	6	(1.8)
FILE NAME =				AAME = nguyensi	m		DESIGNED -				REVISED -						
c:\pw_work\pwidot\n	guyensm\dØ117	709\Robs	-TS.dgn				DRAWN -				REVISED -						

CHECKED

DATE

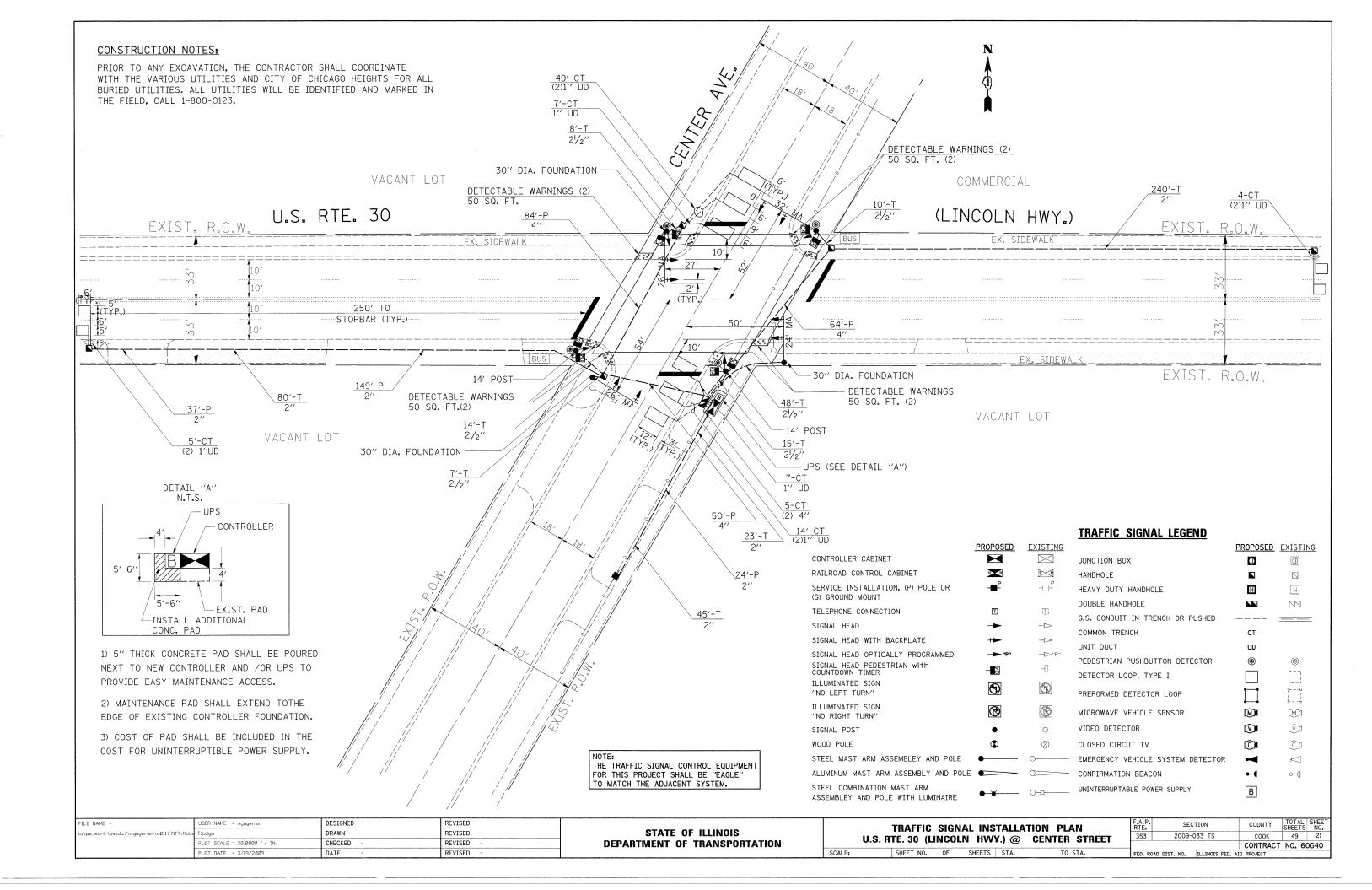


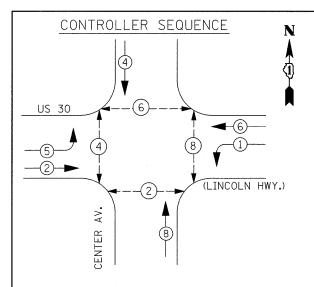
EXISTING TEMPORARY CABLE PLAN

NOTE:

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

6 (1,8)											
CTATE OF HUMOIC		EXISTING	TEME	PORARY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	11.0	RTE. 30 (LIN				CENTER STREET	353	2009-033 TS	COOK	49	20
	0.3.	nic. 30 (Liiv	CULIN	1144 1 . /	w	GLIVIER STREET			CONTRACT	NO. 60)G40
	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROA	D DIST. NO. ILLINOIS FED. /	AID PROJECT		





PHASE DESIGNATION DIAGRAM

DUAL ENTRY PHASE

SINGLE ENTRY PHASE

OUL OVERLAP

PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE ADJACENT SYSTEM.

TRAFI ELECTRI	TOTAL				
TYPE	WATTAGE				
SIGNAL (RED)	NO. LAMPS	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW		135	12	0.10	
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER					
ENERGY COSTS	ГО:			TOTAL =	522.00

708-410-5069

ENERGY SUPPLY CONTACT:

PHONE:

SCHEDULE OF QUANTITIES

ITEM	LINL	QUANTITY
PORTLAND CEMENT CONRETE SIDEWALK 5 INCH	SQ FT	628
SIDEWALK REMOVAL	SQ FT	628
DETECTABLE WARNINGS	SQ FT	200
SIGN PANEL-TYPE I	SQ FT	13.5
SIGN PANEL-TYPE II THERMOPLASTIC PAVEMENT MARKING LINE 6"	SQ FT	30
THERMOPLASTIC PAVEMENT MARKING LINE 6" THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT FOOT	350 84
THERMOPLASTIC PAVEMENT MARKING LINE 24	FOOT	112
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2/2" DIA., GALVANIZED STEEL	FOOT	102
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	388
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT IN PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	210
CONDUIT IN PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	198
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET(SPECIAL)		1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	450
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	826
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1701
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	860
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	117
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	620
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A CONCRETE FOUNDATION, TYPE C	FOOT	8 4
CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	•
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION,	FOOT	60
MAST ARM MNTD.	EACH	8
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, BRKT. MNTD.	EACH	4
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE,	EACH	. 4
BRKT. MNTD. with COUNTDOWN TIMER		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	378
INDUCTIVE LOOP DETECTOR DETECTOR LOOP TYPE I	EACH	4
DEDECTRIAN DUCH BUTTON	FOOT	366
REMOVE ELECTRICAL CARLE EROM CONDUIT	EACH	4
REMOVE ELECTRICAL CABLE FROM CONDUIT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	FOOT	1220 1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1 C
The state of the s		
		R.

(5) (3) ດ ≺ ¤ (LINCOLN HWY.) **α** ≻ υ NO. 6 -G ≺ ⊅ U.S. RTE. 30 ଚ ≺ ଅ 2 × ك 回山 Ш (5) $\overline{\circ}$ (Green) **CABLE PLAN LEGEND**

PUSH BUTTON NOTES:

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

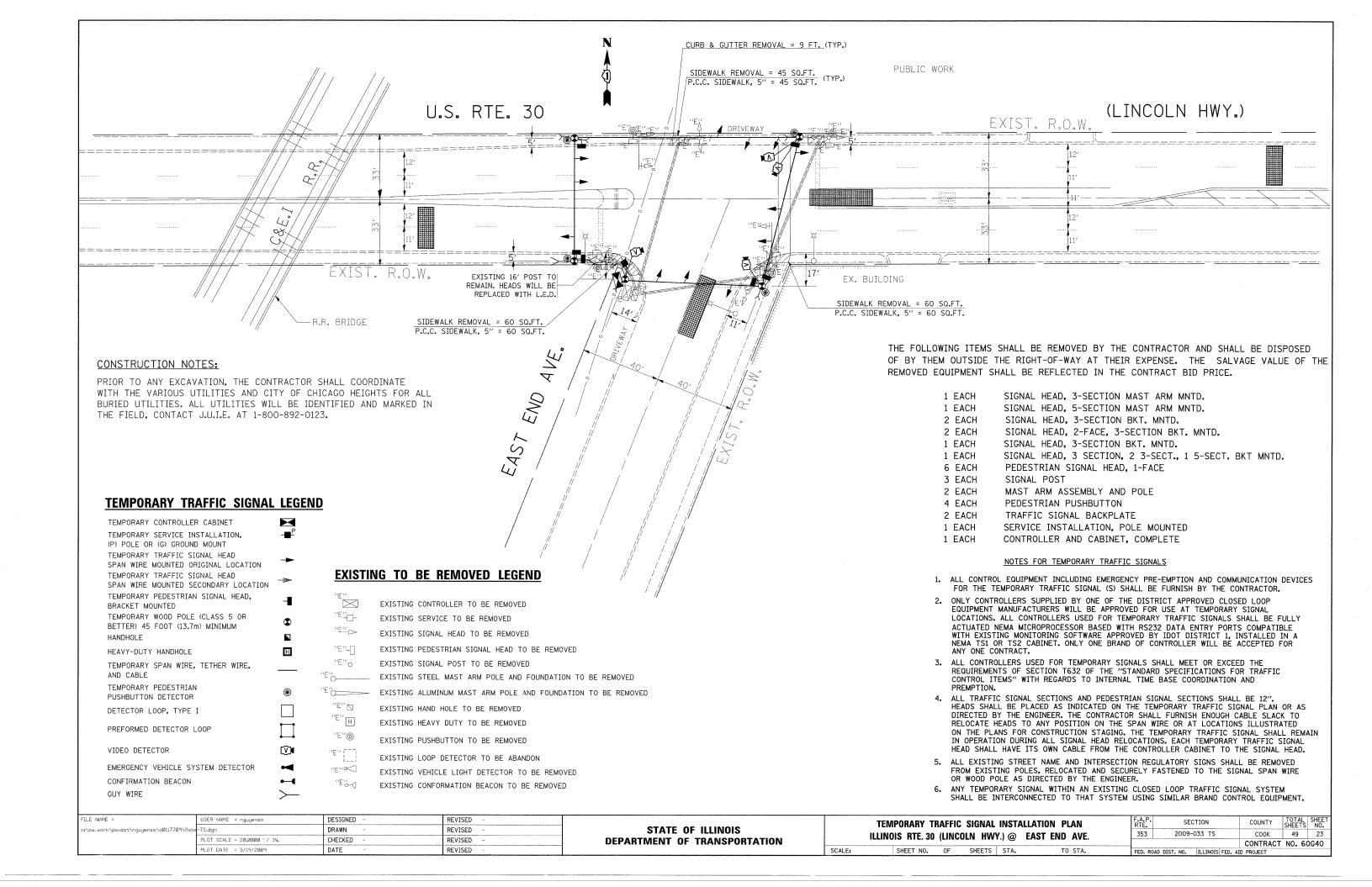
1									
_	FOUNDATION (DEPTH)	FT.	(m)	CABLE SLACK	FT.	(m)	VERTICAL	FT.	(m)
_	TYPE A - POST	4	(1.2)	HANDHOLE	6.5	(2.0)	ALL FOUNDATIONS	3.5	(1.0)
	D - CONTROLLER	4	(1.2)	DOUBLE HANDHOLE	13	(4.0)	MAST ARM (L) POLE	20'+1	L-2=
	E - M. ARM POLE			SIGNAL POST	2	(1.0)		(6m+L-	0.6m)=
	24" (600mm)	10	(3.0)	CONTROLLER CAB.	1	(0.5)	BRACKET MOUNTED	13	(4.0)
	30" (750mm)	15		FIBER OPTIC	13	(4.0)	PED. PUSHBUTTON	4	(1.2)
	36" (900mm)	15	(4.6)	ELECTRIC SERVICE	1	(0.5)	ELECTRIC SERVICE	13.5	(4.1)
				GROUND CABLE	1	(0.5)	SERVICE TO GROUND	13.5	(4.1)
				1			DOCT MOUNTED	T .	44 01

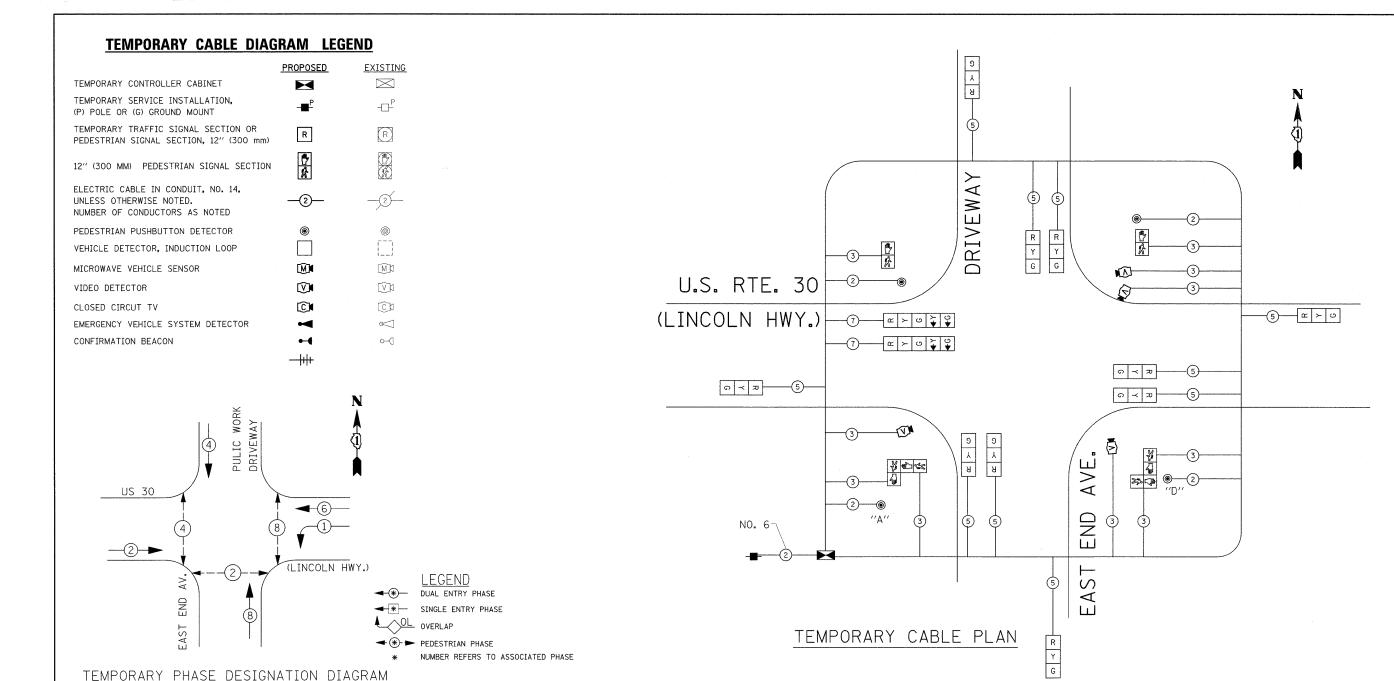
PROPOSED EXISTING **EXISTING** PROPOSED 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE \boxtimes CONTROLLER CABINET ightharpoons₽► € RAILROAD CONTROL CABINET R 12" (300mm) R R -**P** TRAFFIC SIGNAL SECTION SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT OR W 12" (300mm) PEDESTRIAN SIGNAL TELEPHONE CONNECTION T SECTION with COUNTDOWN TIMER GROUND ROD AT (C) CONTROLLER, ILLUMINATED SIGN 9 (H)HANDHOLE, (P) POST, (M) MAST ARM, "NO LEFT TURN" OR (S) SERVICE ILLUMINATED SIGN FIBER OPTIC CABLE IN CONDUIT, "NO RIGHT TURN" NUMBER OF FIBERS AS NOTED (0) PUSHBUTTON DETECTOR ELECTRIC CABLE IN CONDUIT, NO. 14, DETECTOR LOOP --2)-UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED PREFORMED DETECTOR LOOP GROUND CABLE IN CONDUIT ---(1)----M M 1 MICROWAVE VEHICLE SENSOR NO. 6 COPPER (GREEN) SIGNAL FACE WITH [V]€ VIDEO DETECTOR BACKPLATE. "P" INDICATES [Ĉ.♥ (C) CLOSED CIRCUT TV PROGRAMMED HEAD G EMERGENCY VEHICLE SYSTEM DETECTOR • **3**< **4** Y **4** G CONFIRMATION BEACON •---В UNINTERRUPTIBLE POWER SUPPLY

| COMPANY: | COM, EDISON | COMPANY: | CO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 PROPOSED CABLE PLAN
 F.A.P. RTE.
 SECTION
 COUNTY SHEET SHEET NO.
 TOTAL SHEET NO.
 SHEET NO.
 COUNTY SHEET NO.
 COUNTY SHEET NO.
 COUNT ACT NO.
 60 GOV
 CONTRACT NO.
 60 GOV
 60 GOV
 CONTRACT NO.
 60 GOV
 60 GOV





I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS WATTAGE INCAND. LED 135 17 WATTAGE * %OPERATION (GREEN) LUM. SIGN

COMPANY:

FOUNDATION (DEPTH) FT. (m) CABLE SLACK FT. (m) VERTICAL 6.5 (2.0) ALL FOUNDATIONS 13 (4.0) MAST ARM (L) POLE 4 (1.2) HANDHOLE TOTAL = 476.80 ENERGY COSTS TO:) - CONTROLLER 4 (1.2) DOUBLE HANDHOL M. ARM POLE SIGNAL POST 24" (600mm) 10 (3.0) CONTROLLER CAB. 30" (750mm) 15 (4.6) FIBER OPTIC 36" (900mm) 15 (4.6) CONTROLLER CAB. | 2 (1,0) | (6m+L-0.6m)= | (2 (1,0) | (7,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | (1,0) | ILLINOIS DEPARTMENT OF TRANSPORTATION ENERGY SUPPLY CONTACT: 36" (900mm) 15 (4.6) ELECTRIC SERVICE 708-410-5069

DESIGNED REVISED FILE NAME : DRAWN REVISED PLOT SCALE = 20.0000 '/ IN. CHECKED REVISED DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

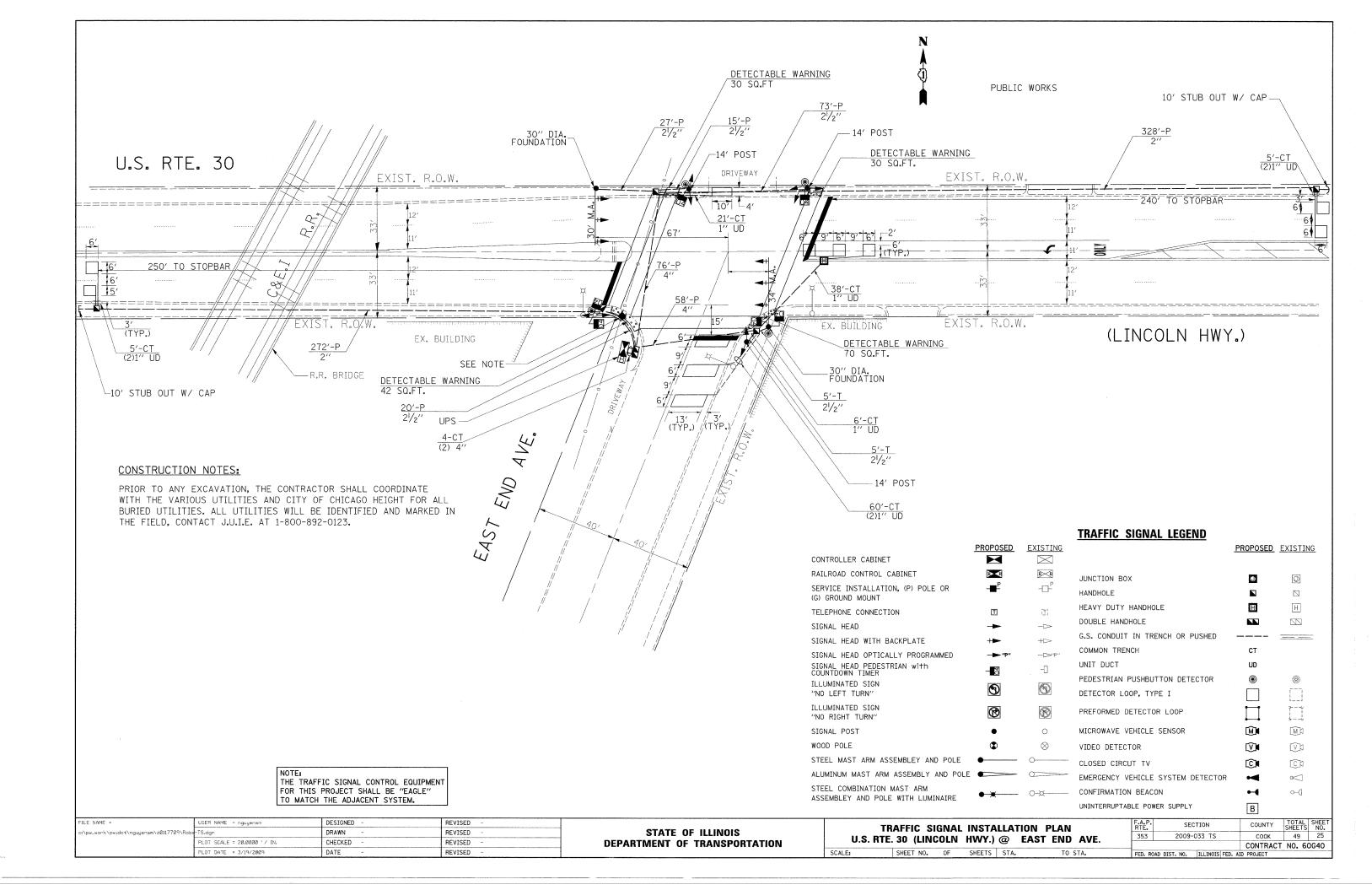
NOTE:

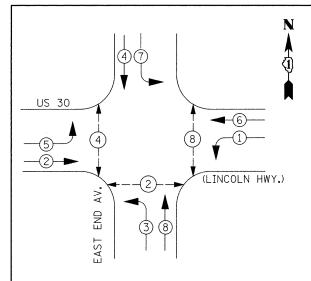
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

TEMPORARY CABLE PLAN 353 U.S. RTE. 30 (LINCOLN HWY.) @ EAST END AVE. SCALE: SHEET NO. OF SHEETS STA.

COUNTY TOTAL SHEE NO. SECTION 2009-033 TS соок CONTRACT NO. 60G40





PHASE DESIGNATION DIAGRAM

LEGEND DUAL ENTRY PHASE SINGLE ENTRY PHASE → (*)- ► PEDESTRIAN PHASE

NUMBER REFERS TO ASSOCIATED PHASE

NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE ADJACENT SYSTEM.

	I.D.O.	T			
TRAF					
ELECTRI	TOTAL				
TYPE	WATTAGE				
SIGNAL (RED)	NO. LAMPS	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	4	135	12	0.10	4.80
PED. SIGNAL	6	90	25	1.00	150.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	

708-410-5069 COM. EDISON

LOT SCALE = 20.0000 '/ IN.

LOT DATE = 3/19/2009

ENERGY COSTS TO:

FILE NAME =

ENERGY SUPPLY CONTACT:

PHONE: COMPANY:

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES		
ITFM	LINU	QUANTITY
COMBINATION CURB AND GUTTER REMOVAL	FOOT	7.0
PORTLAND CEMENT CONRETE SIDEWALK 5 INCH	SQ FT	39 210
SIDEWALK REMOVAL	SQ FT	210
DETECTABLE WARNINGS	SQ FT	172
SIGN PANEL-TYPE I		
THERMOPLASTIC PAVEMENT MARKING LINE 6"	SQ FT FOOT	18 381
THERMOPLASTIC PAVEMENT MARKING LINE 8 THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	80
THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	80
THERMOPLASTIC PAVEMENT MARKING REMOVAL	FOOT	104
	FOOT	145
CONDUIT IN TOSH, 2/2 DIA, GALVANIZED STEEL		8
CONDUIT IN PUSH, 2½″ DIA., GALVANIZED STEEL CONDUIT IN TRENCH, 4″ DIA., GALVANIZED STEEL CONDUIT IN PUSH, 2″ DIA., GALVANIZED STEEL	FOOT	-
	FOOT	618
CONDUIT IN PUSH, 4" DIA., GALVANIZED STEEL	FOOT	134
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET(SPECIAL)		1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	469
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	639
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1852
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	237
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	986
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	48
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	410
STEEL MAST ARM ASSEMBLY AND POLE. 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION. TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	30
·	F001	30
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, MAST ARM MNTD.	EACH	5
SIGNAL HEAD, L.E.D. 2-FACE, 3 SECTION, BRKT. MNTD.	EACH	2
SIGNAL HEAD, L.E.D. 3-FACE, 2-3 SECT	EACH	1
1-5 SECT., BRKT MNTD. SIGNAL HEAD, L.E.D. 3-FACE, 3-SECTION BRKT MNTD.	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE,	EACH	2
BRKT. MNTD. with COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE,	LACII	2
BRKT. MNTD. with COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	14
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP TYPE I	FOOT	382
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
REMOVE EXISTING HANDHOLE	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1

NOTE:

DRAWN

DATE

CHECKED

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4. PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

		FOUND!	FT	. (m)	CABLE SL	ACK	FT	(m)	VERTICAL		FT.	(m)	
0.50		TYPE A	- POST	4	(1.2)	HANDHOLE		6.5	(2.0)	ALL FOUNDAT	IONS	3.5	(1.0)
TOTAL =	550.80	D	- CONTROLLER	4	(1.2)	DOUBLE HA	ANDHOLE	13	(4.0)	MAST ARM (L) POLE		20'+L	-2=
•		E	- M. ARM POLE			SIGNAL PO	ST	2	(1.0)			(6m+L-(J.6m)=
			24" (600mm)	10		CONTROLLE		1	(0.5)	BRACKET MOL	JNTED	13	(4.0)
			30" (750mm)	15	(4.6)	FIBER OPT	IC	13	(4.0)	PED. PUSHBU	TTON	4	(1.2)
FOCO			36" (900mm)	15	(4.6)	ELECTRIC	SERVICE	1	(0.5)	ELECTRIC SE	RVICE	13.5	(4.1)
-5069						GROUND C	ABLE	1	(0.5)	SERVICE TO	GROUND	13.5	(4.1)
ISON										POST MOUNT	ED	6	(1.8)
ME = nguyensn	n		DESIGNED -				REVISED	-					

REVISED

REVISED

REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

3 2 5 P C > O (LINCOLN HWY.) <u>س</u> > ٥ NO. 6 -<u>د</u> > ٥ ର ≺ ਸ਼ ດ ≺ ¤ U.S. RTE. 30 ດ ≺ ¤ AVE, END EAS. ₩ NO. 6 **CABLE PLAN LEGEND**

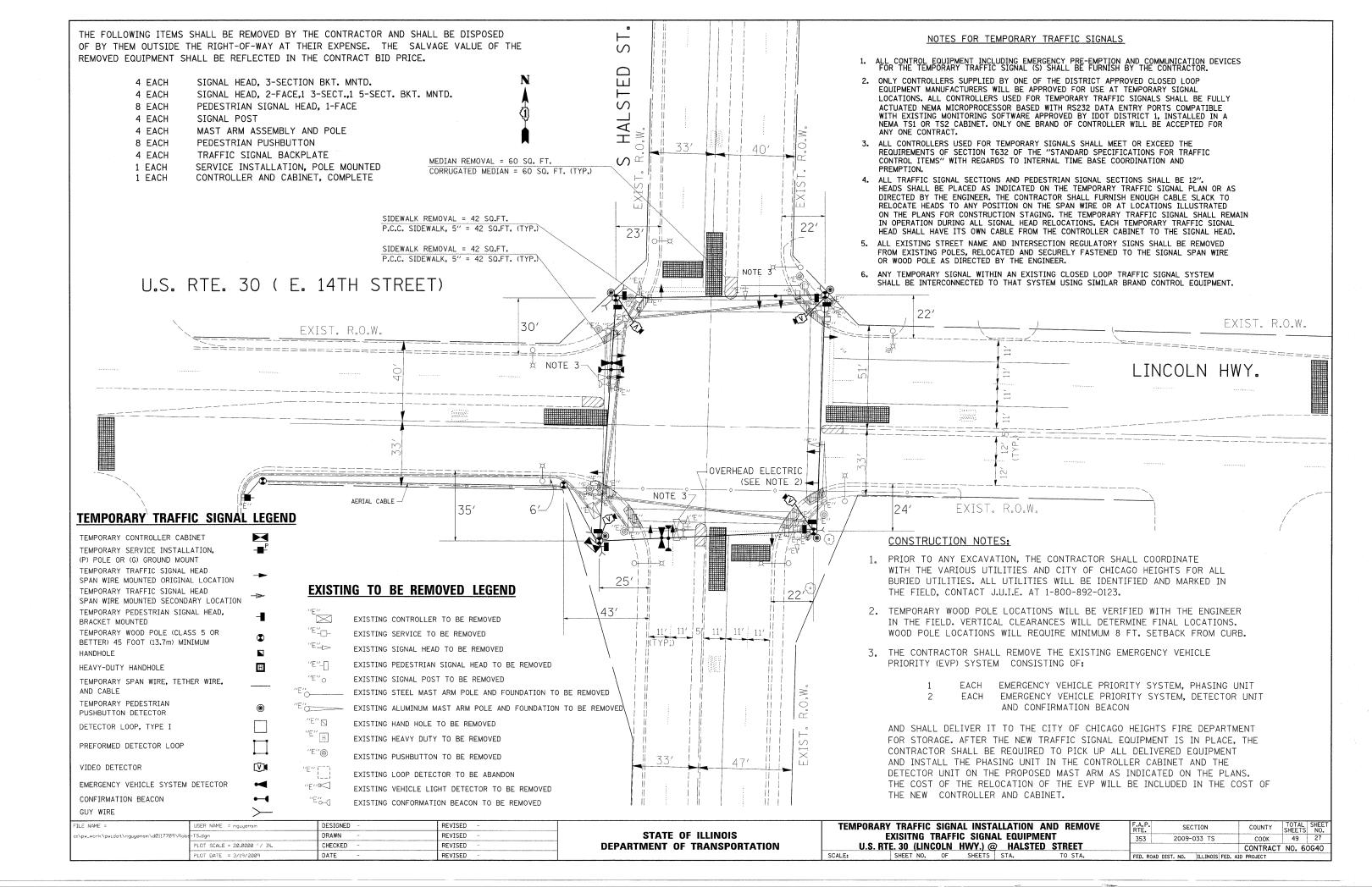
DRIVEWAY

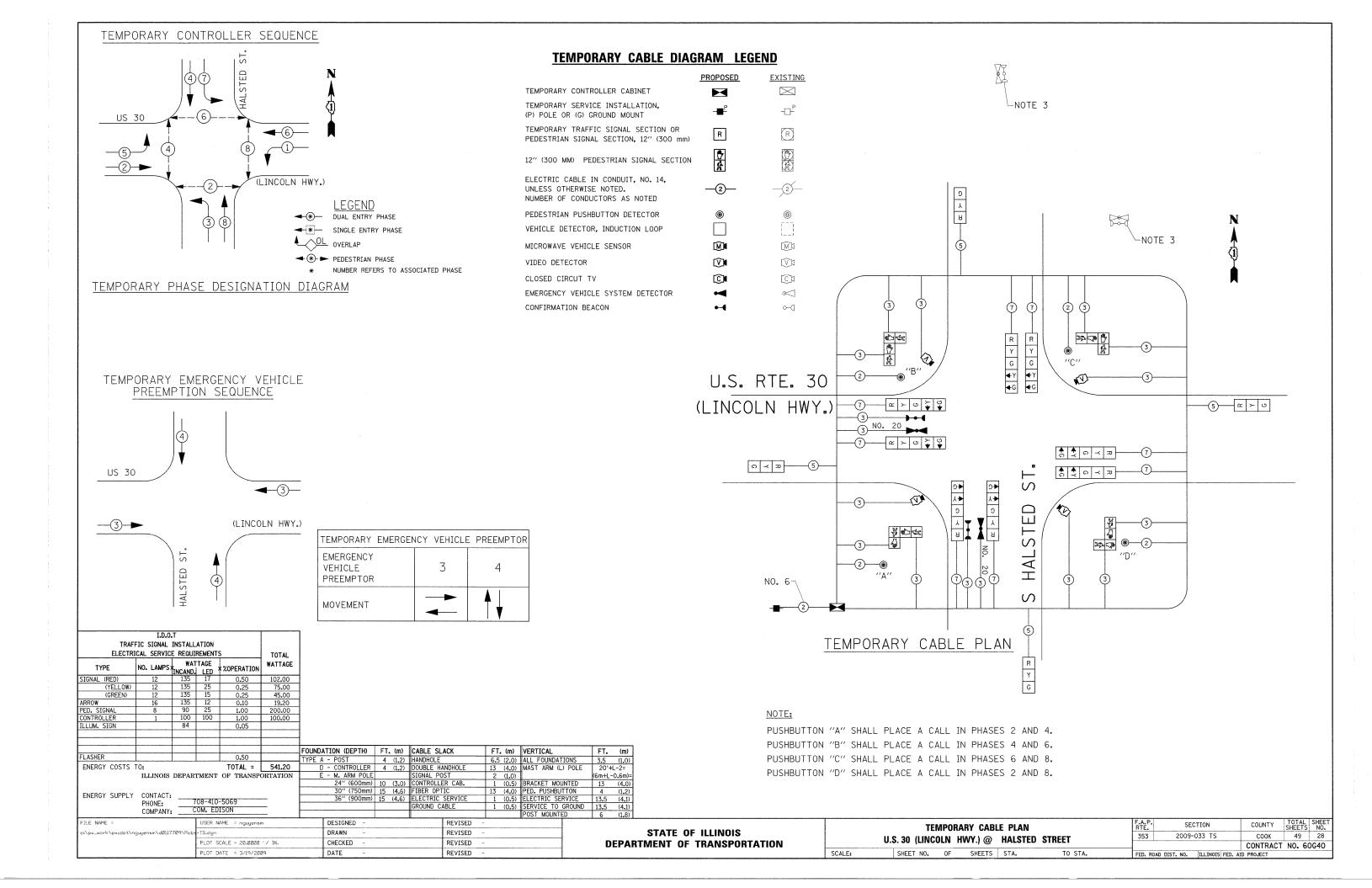
CONTROLLER CABINET	PROPOSED	EXISTING	12" (300mm) RED W YELLOW AND GREEN	ITH 8" (200mm) TRAFFIC SIGNAL FACE	PROPOSED	EXISTING R
RAILROAD CONTROL CABINET	₽	R R	12" (300mm)			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	- 	- <u>-</u> -	TRAFFIC SIGNAL SE		R (**)	
TELEPHONE CONNECTION	T	Œ;	SECTION with COUN		♣ ♣ 04	OR W
GROUND ROD AT (C) CONTROLLER, (H)HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE	c ₋	C	ILLUMINATED SIGN "NO LEFT TURN"		9	0
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED	24	24	ILLUMINATED SIGN "NO RIGHT TURN"		®	
ELECTRIC CABLE IN CONDUIT, NO. 14,			PUSHBUTTON DETEC	TOR	<u></u>	<u></u>
UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED	-2-	-2-	DETECTOR LOOP			ii
			PREFORMED DETECT	OR LOOP		
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)	(1)	(1)	MICROWAVE VEHICLE	SENSOR	M•	(M)
SIGNAL FACE WITH	R	R	VIDEO DETECTOR		\bigcirc	
BACKPLATE. "P" INDICATES PROGRAMMED HEAD	Y		CLOSED CIRCUT TV		(C)((C)1
	G	G	EMERGENCY VEHICLE	SYSTEM DETECTOR	•	\ll
	◆ Y		CONFIRMATION BEAC	CON		0 — (
	/P ″	(P)	UNINTERRUPTIBLE F	OWER SUPPLY	В	
PROPO	SED CABLE PLA	١N		F.A.P. SECTION	COUNTY	TOTAL SHEET NO.
ILLINOIS RTE. 30 (ILLI	NOIS HWY.) @	VE.	353 2009-033 TS	соок	49 26	

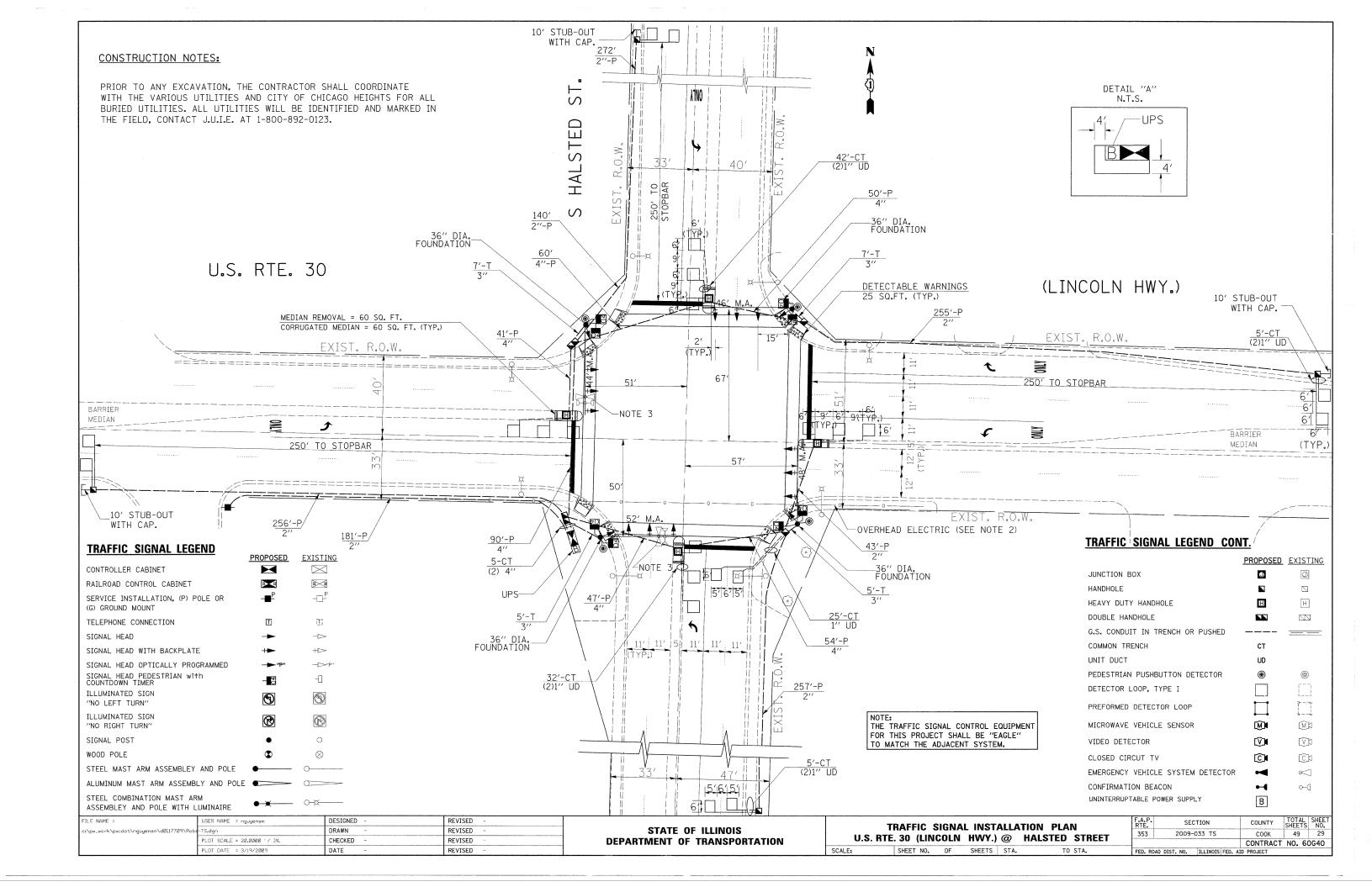
TO STA.

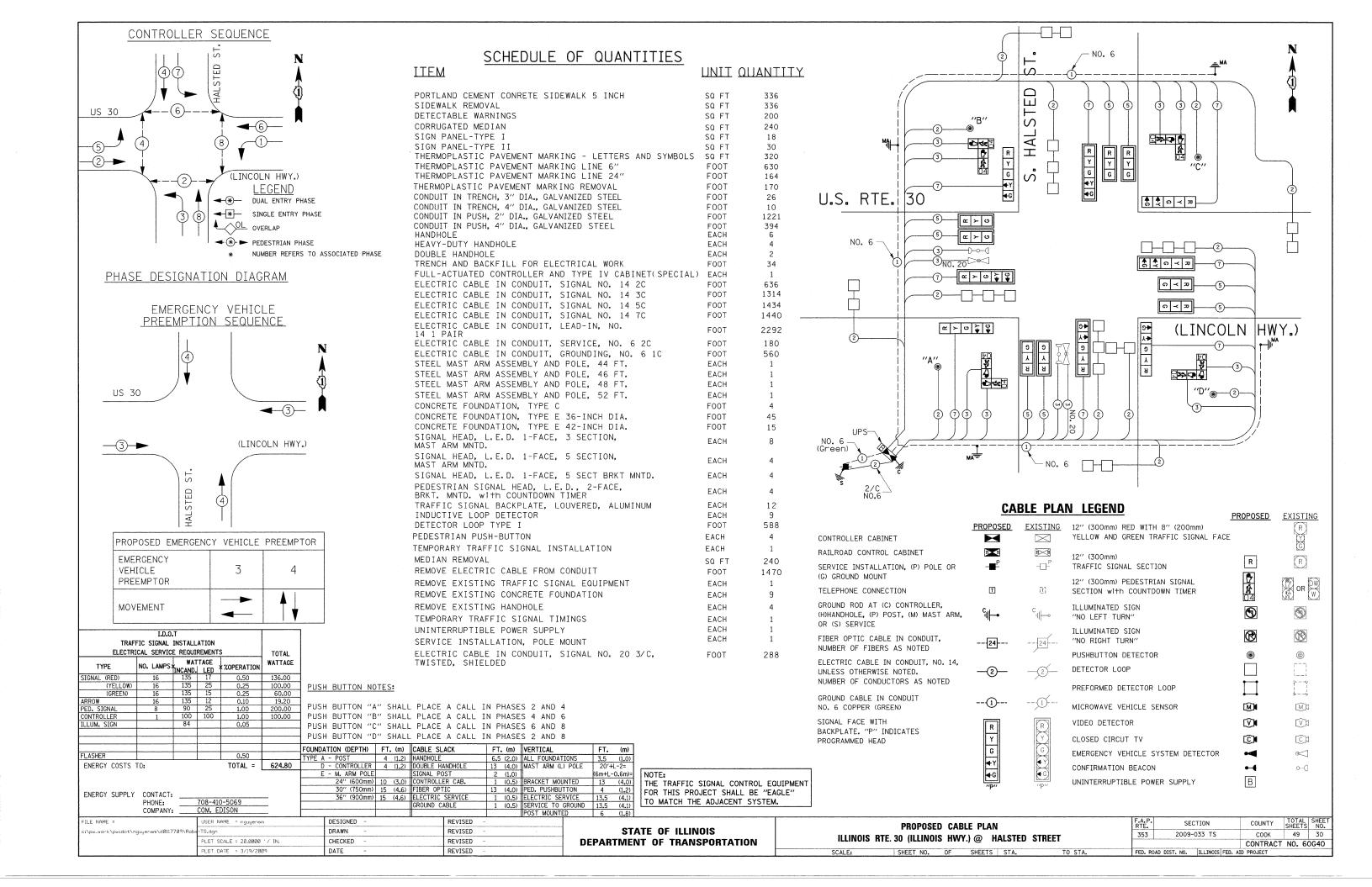
SHEET NO. OF SHEETS STA.

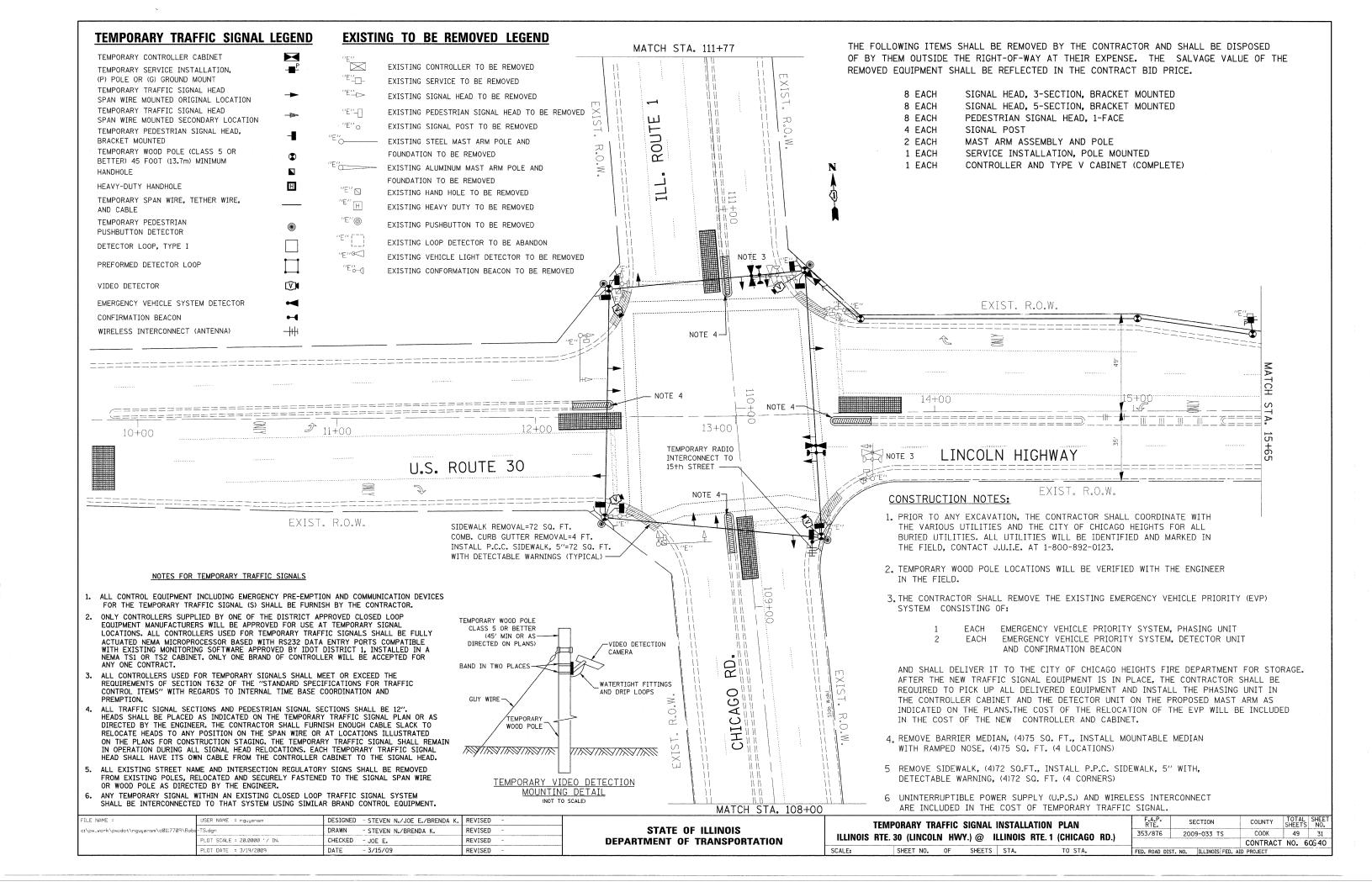
CONTRACT NO. 60G40









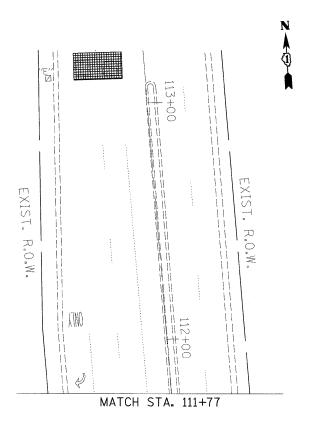


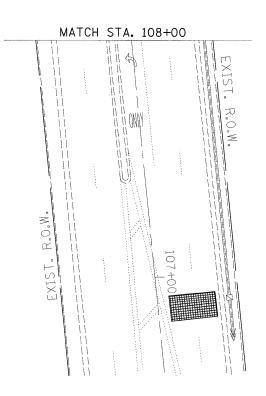
TEMPORARY TRAFFIC SIGNAL LEGEND

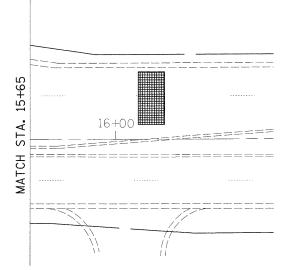
TEMPORARY CONTROLLER CABINET TEMPORARY SERVICE INSTALLATION.	
(P) POLE OR (G) GROUND MOUNT	_
TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION	-
TEMPORARY TRAFFIC SIGNAL HEAD	
SPAN WIRE MOUNTED SECONDARY LOCATION	
TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED	-
TEMPORARY WOOD POLE (CLASS 5 OR	(
BETTER) 45 FOOT (13.7m) MINIMUM	•
HANDHOLE	
HEAVY-DUTY HANDHOLE	H
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	
TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR	•
DETECTOR LOOP, TYPE I	
PREFORMED DETECTOR LOOP	
VIDEO DETECTOR	(V)∎
EMERGENCY VEHICLE SYSTEM DETECTOR	~
CONFIRMATION BEACON	•-
WIRELESS INTERCONNECT (ANTENNA)	-+++

EXISTING TO BE REMOVED LEGEND

"E"	
	EXISTING CONTROLLER TO BE REMOVED
′′E′′	EXISTING SERVICE TO BE REMOVED
″E' <u>'</u> ⊳	EXISTING SIGNAL HEAD TO BE REMOVED
"E"	EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
"E" o	EXISTING SIGNAL POST TO BE REMOVED
′′E′′	EXISTING STEEL MAST ARM POLE AND
	FOUNDATION TO BE REMOVED
"E"	EXISTING ALUMINUM MAST ARM POLE AND
	FOUNDATION TO BE REMOVED
′′E′′ □	EXISTING HAND HOLE TO BE REMOVED
′′E′′ [H]	EXISTING HEAVY DUTY TO BE REMOVED
′′E′′⊚	EXISTING PUSHBUTTON TO BE REMOVED
"E" []	EXISTING LOOP DETECTOR TO BE ABANDON
″E″®<	EXISTING VEHICLE LIGHT DETECTOR TO BE REMOVED
″E′′⊸(]	EXISTING CONFORMATION BEACON TO BE REMOVED



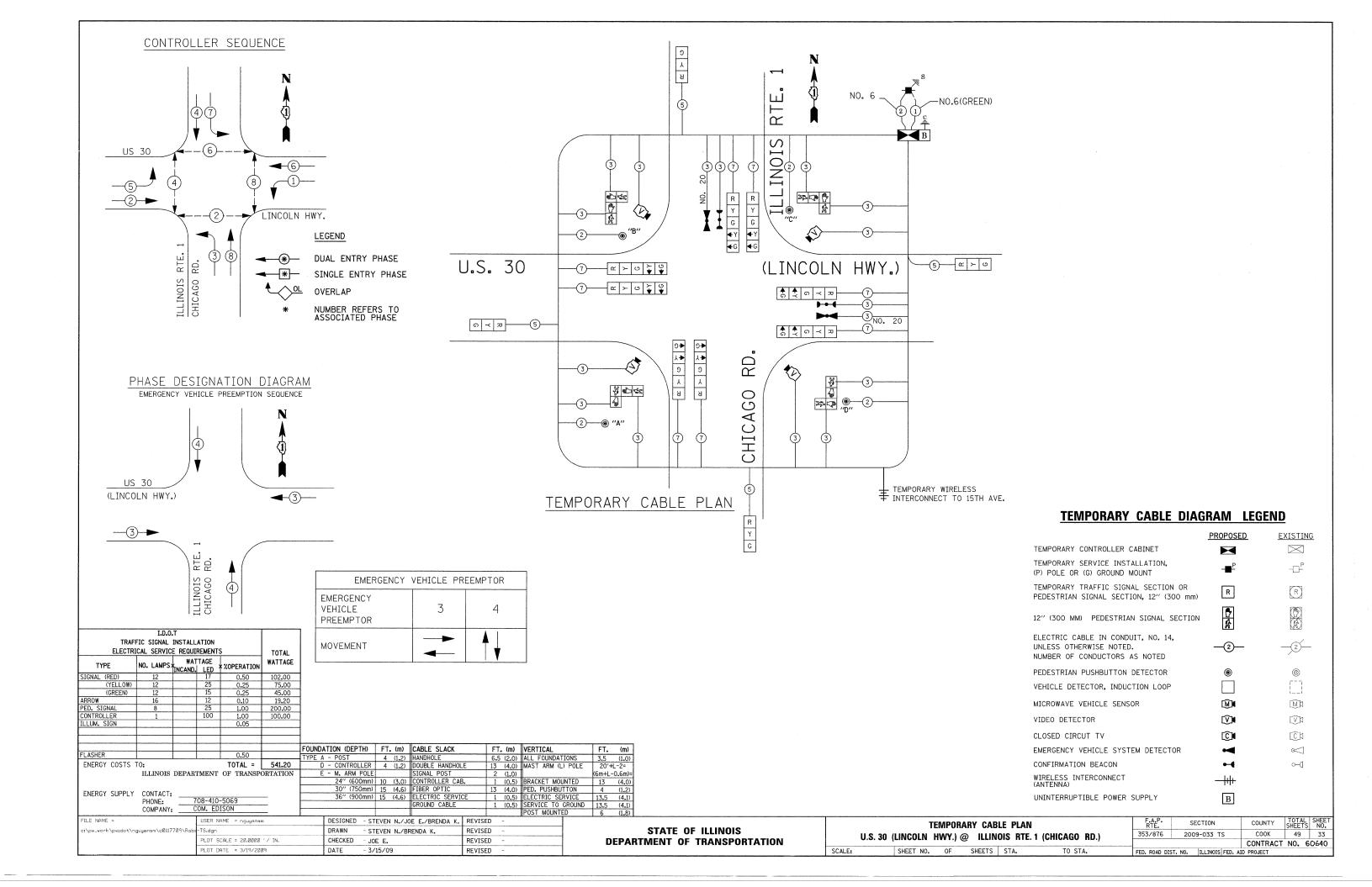


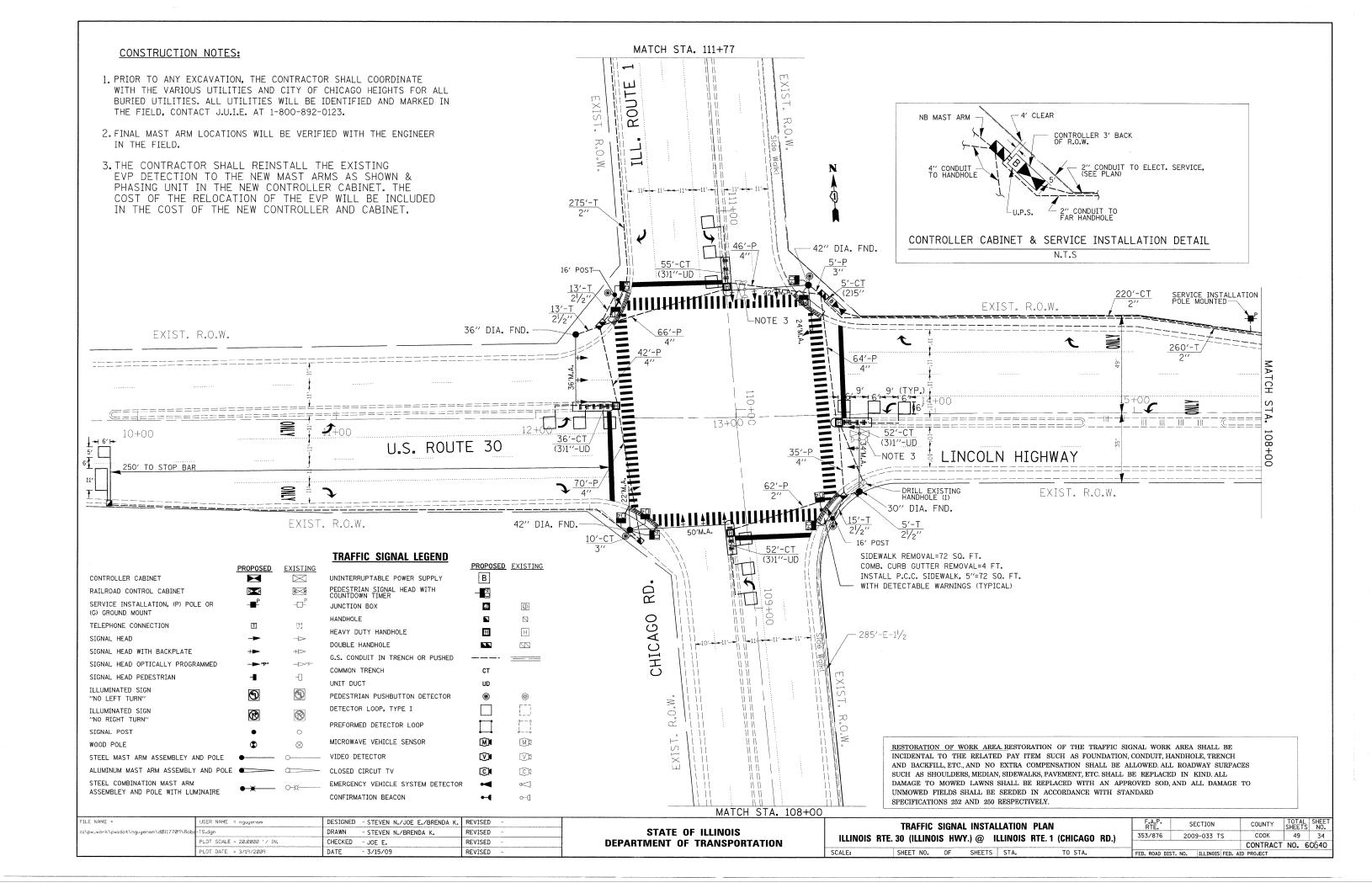


FILE NAME =	USER NAME = nguyensm	DESIGNED	- STEVEN N./JOE E./BRENDA K.	REVISED -
c:\pw_work\pwidot\nguyenam\d0117709\Rob	-TS,dgn	DRAWN	- STEVEN N./BRENDA K.	REVISED -
	PLDT SCALE = 20.0000 '/ IN.	CHECKED	- JOE E.	REVISED -
	PLOT DATE = 3/19/2009	DATE	- 3/15/09	REVISED -

STATE	OF	ILLINOIS	
DEPARTMENT	OF 1	TRANSPORTATION	

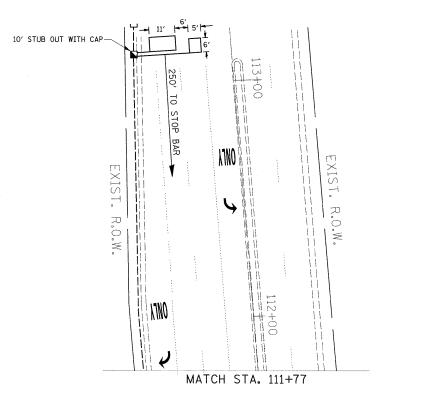
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN								F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS RTE							וחם	353/876	2009-033 TS	COOK	49	32
ILLINUIS NIL	30 ILIINGOLI	A LIAA	1.7 @	ILLINUIS	nic. i	CHICAGO	nv.j			CONTRACT	NO. 6	0640
SCALE:	SHEET NO.	OF	SHEETS	STA.		TO STA.		FED. ROAD DIS	T. NO. ILLINOIS FED. A	ID PROJECT		

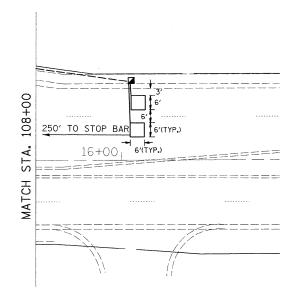




TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		\boxtimes
RAILROAD CONTROL CABINET	▶◀	R R
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	- P	-D ^P
TELEPHONE CONNECTION	Ī	<u>F1</u>
SIGNAL HEAD	-	\rightarrow
SIGNAL HEAD WITH BACKPLATE	+-	+
SIGNAL HEAD OPTICALLY PROGRAMMED	- ▶ "₱"	−D′′P′′
SIGNAL HEAD PEDESTRIAN	-1	-[]
ILLUMINATED SIGN "NO LEFT TURN"	9	9
ILLUMINATED SIGN "NO RIGHT TURN"	®	0
SIGNAL POST	•	0
WOOD POLE		\otimes
STEEL MAST ARM ASSEMBLEY AND POLE	•	0
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLEY AND POLE WITH LUMINAIRE	• ×	0-×
UNINTERRUPTABLE POWER SUPPLY	В	
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	- 1 0	
JUNCTION BOX	O	0
HANDHOLE		
HEAVY DUTY HANDHOLE	H	H
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED	· =	
COMMON TRENCH	CT	
UNIT DUCT	UD	
PEDESTRIAN PUSHBUTTON DETECTOR	(a)	0
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP		9
MICROWAVE VEHICLE SENSOR	(M)¶	(M)
VIDEO DETECTOR	(♥)•	(V)
CLOSED CIRCUT TV	©.	©1
EMERGENCY VEHICLE SYSTEM DETECTOR	•	«
CONFIRMATION BEACON	⊷	0(]





MATCH STA. 108+00 W.O. B. J. S.O. W. W.O. B. J. S.O. W. DRILL EXISTING HANDHOLE (I) INTERCONNECT 15TH STREET

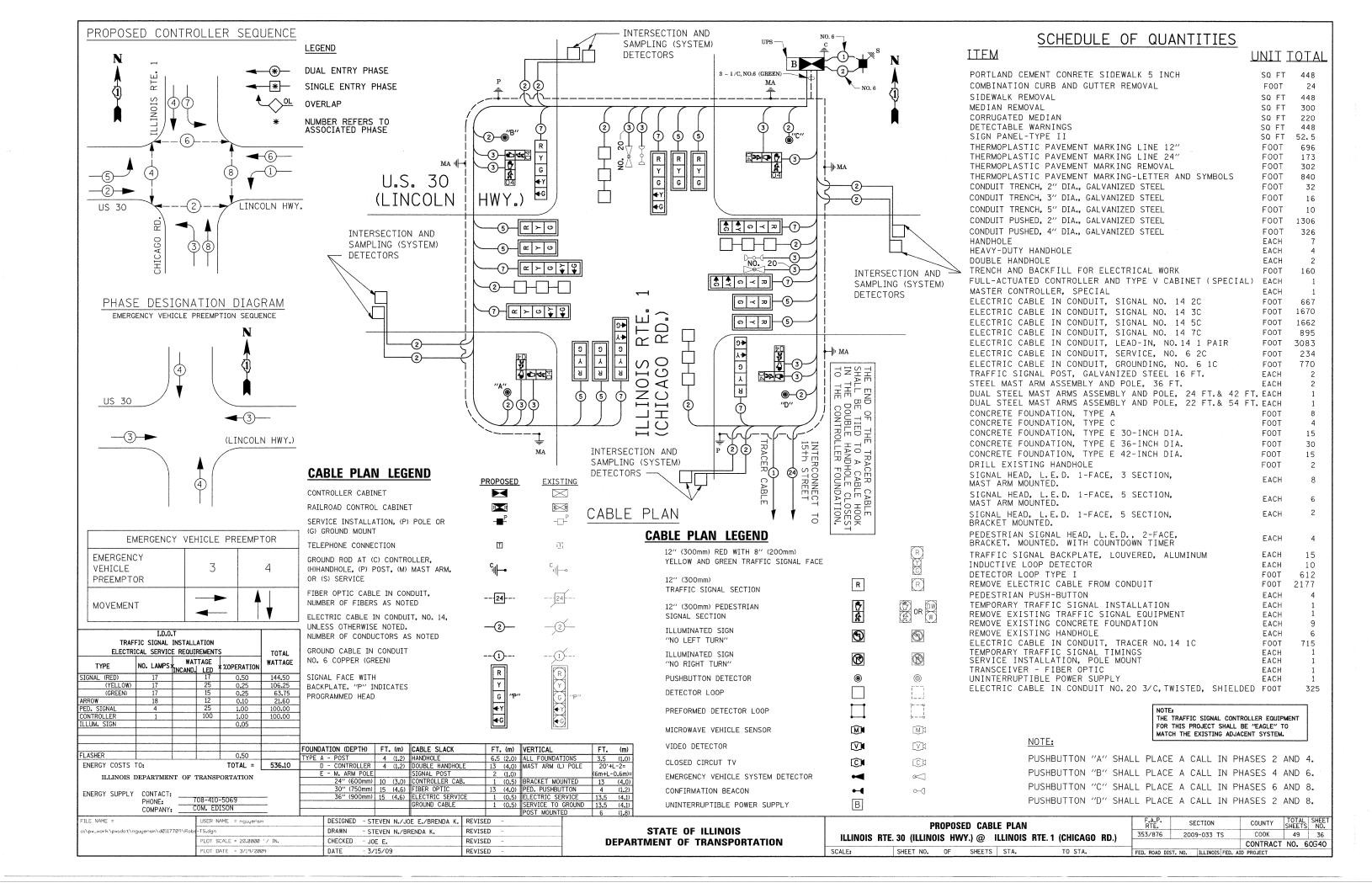
CONSTRUCTION NOTES:

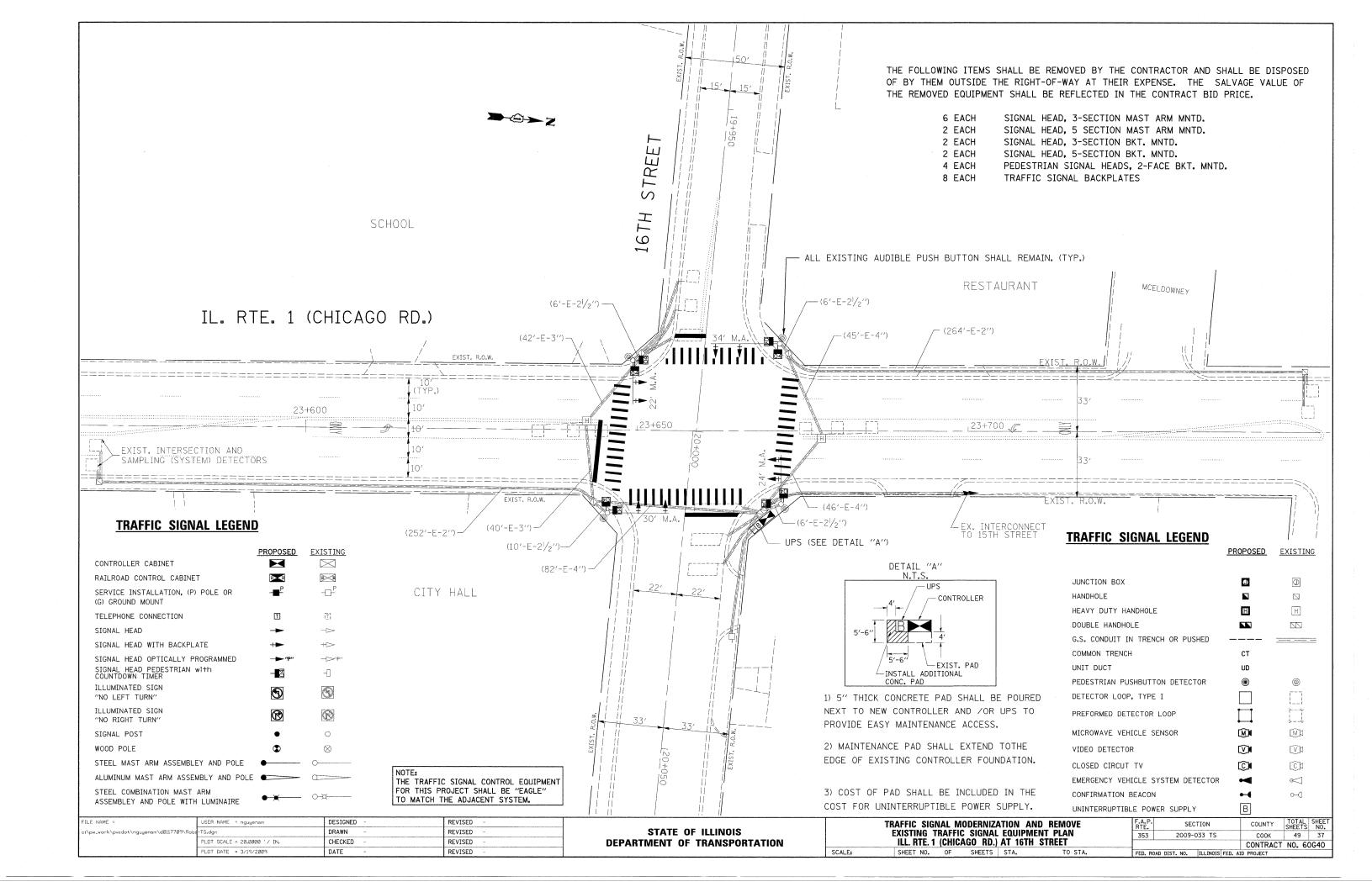
PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL COORDINATE WITH THE VARIOUS UTILITIES AND THE CITY OF CHICAGO HEIGHTS FOR ALL BURIED UTILITIES. ALL UTILITIES WILL BE IDENTIFIED AND MARKED IN THE FIELD, CONTACT J.U.I.E. 1-800-892-0123.

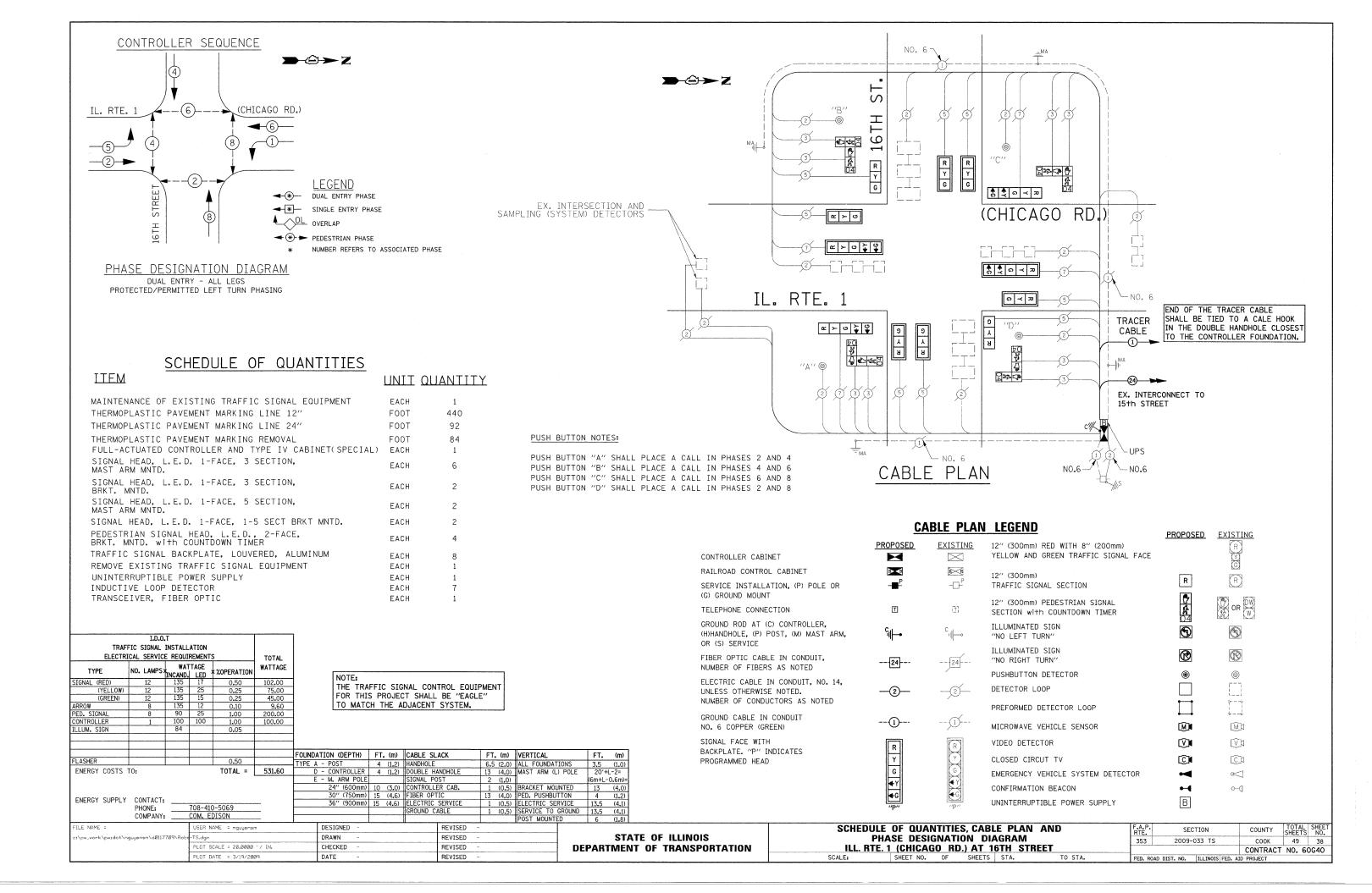
FILE NAME = USER NAME = nguyensm	DESIGNED - STEVEN N./JOE E./BRENDA K.	REVISED -
c:\pw_work\pwidot\nguyensm\d0117709\Robs-TS.dgn	DRAWN - STEVEN N./BRENDA K.	REVISED -
PLOT SCALE = 20.0000 '/ IN.	CHECKED - JOE E.	REVISED -
PLOT DATE = 3/19/2009	DATE - 3/15/09	REVISED -

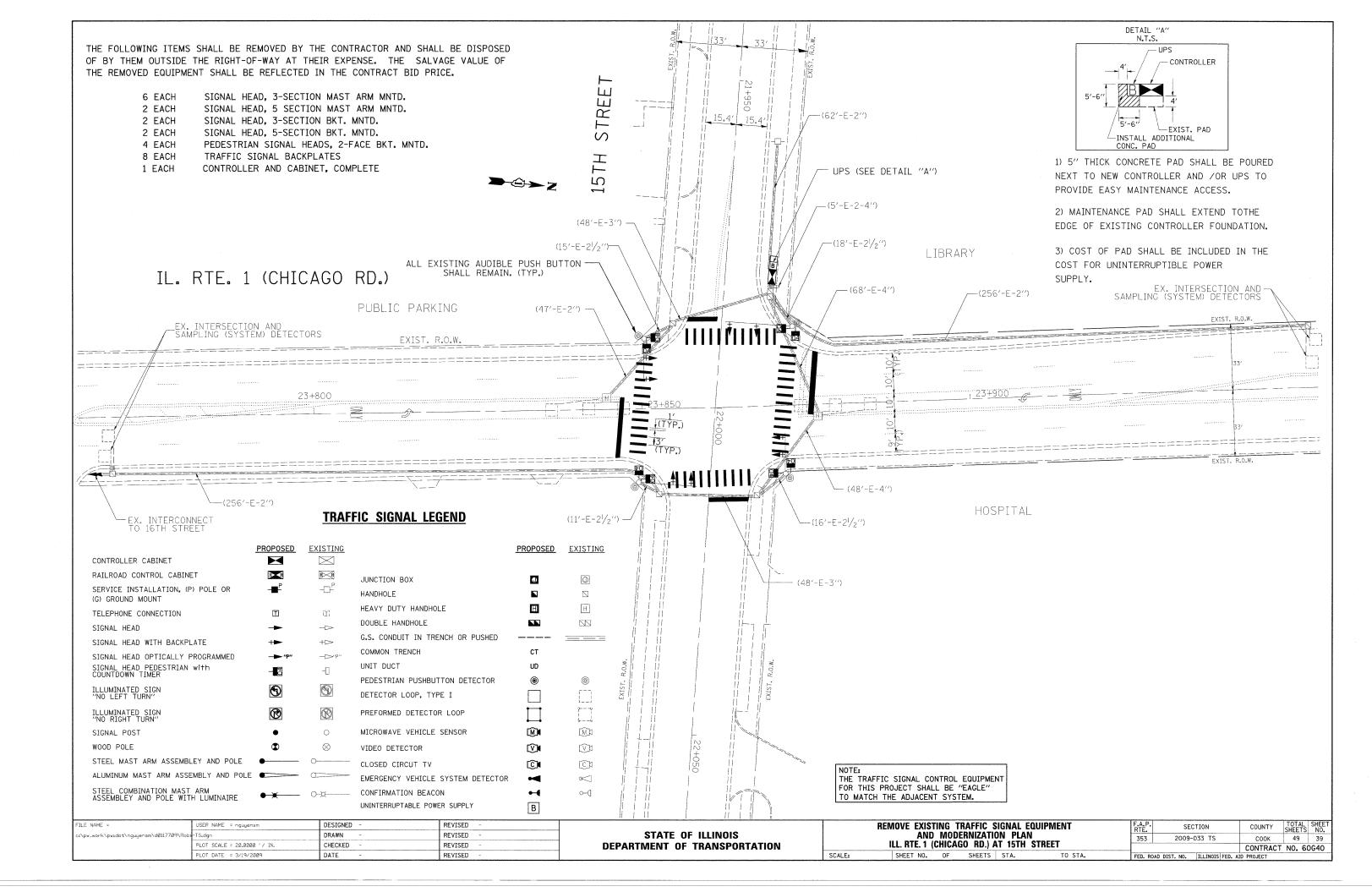
STATE	OF	ILLINOIS
DEPARTMENT (OF T	RANSPORTATION

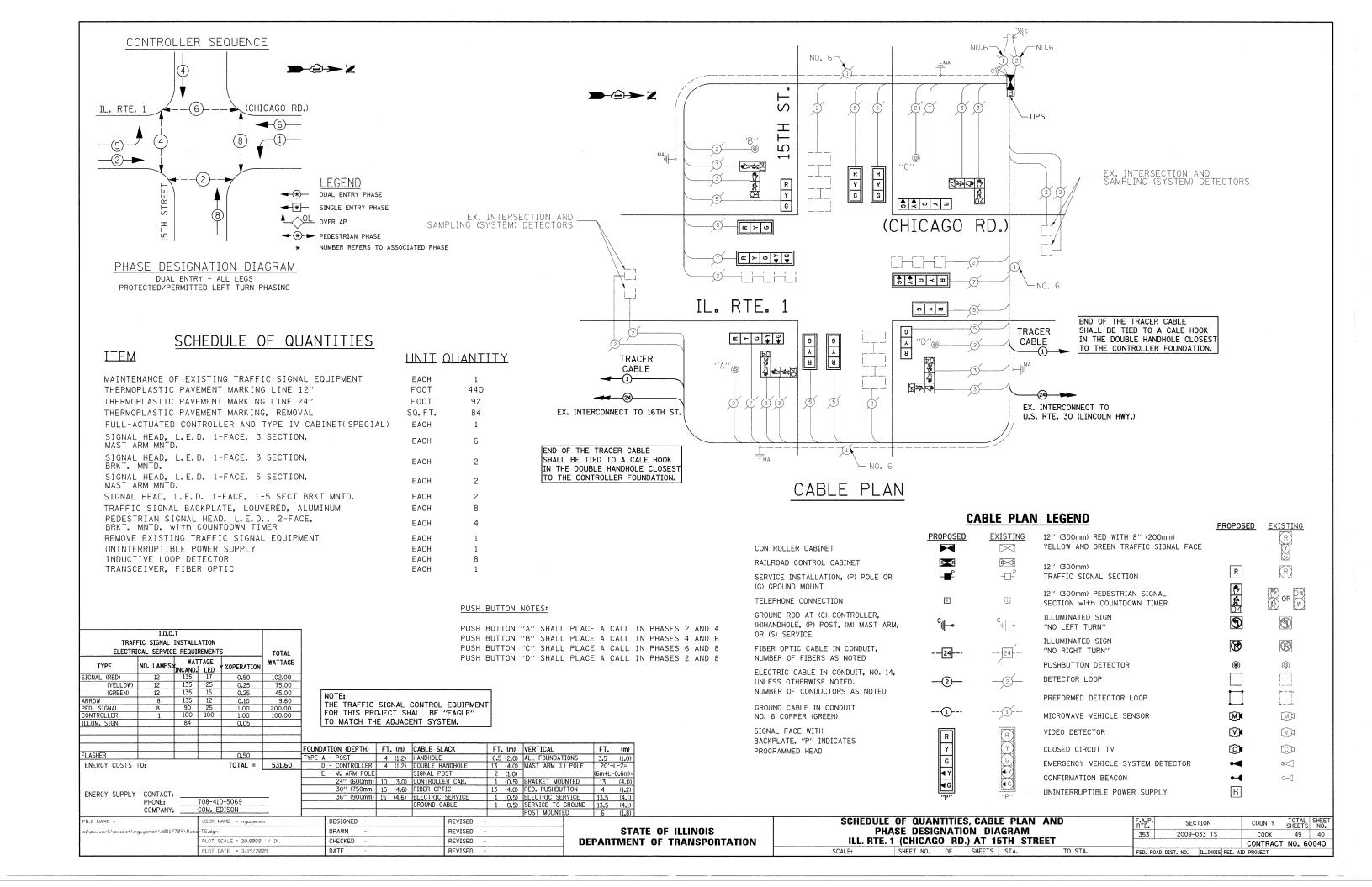
1	TRAFFIC SIGNAL INSTALLATION PLAN						F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.	
	III INIOIS RTE	30 (1111)00	IC HW	vv v @ II	LIMOIS	RTE 1 (CHICAG	0 RD.)	353/876	2009-033 TS	C00K48	49	35
1	ILLINOIS RTE. 30 (ILLINOIS HWY.) @ ILLINOIS RTE. 1 (CHICAGO RD.)								CONTRACT	NO. E	0G40	
١	SCALE:	SHEET NO.	0F	SHEETS	STA.	TO STA.		FED. ROAD DIS	ST. NO. ILLINOIS FED. A	ID PROJECT		

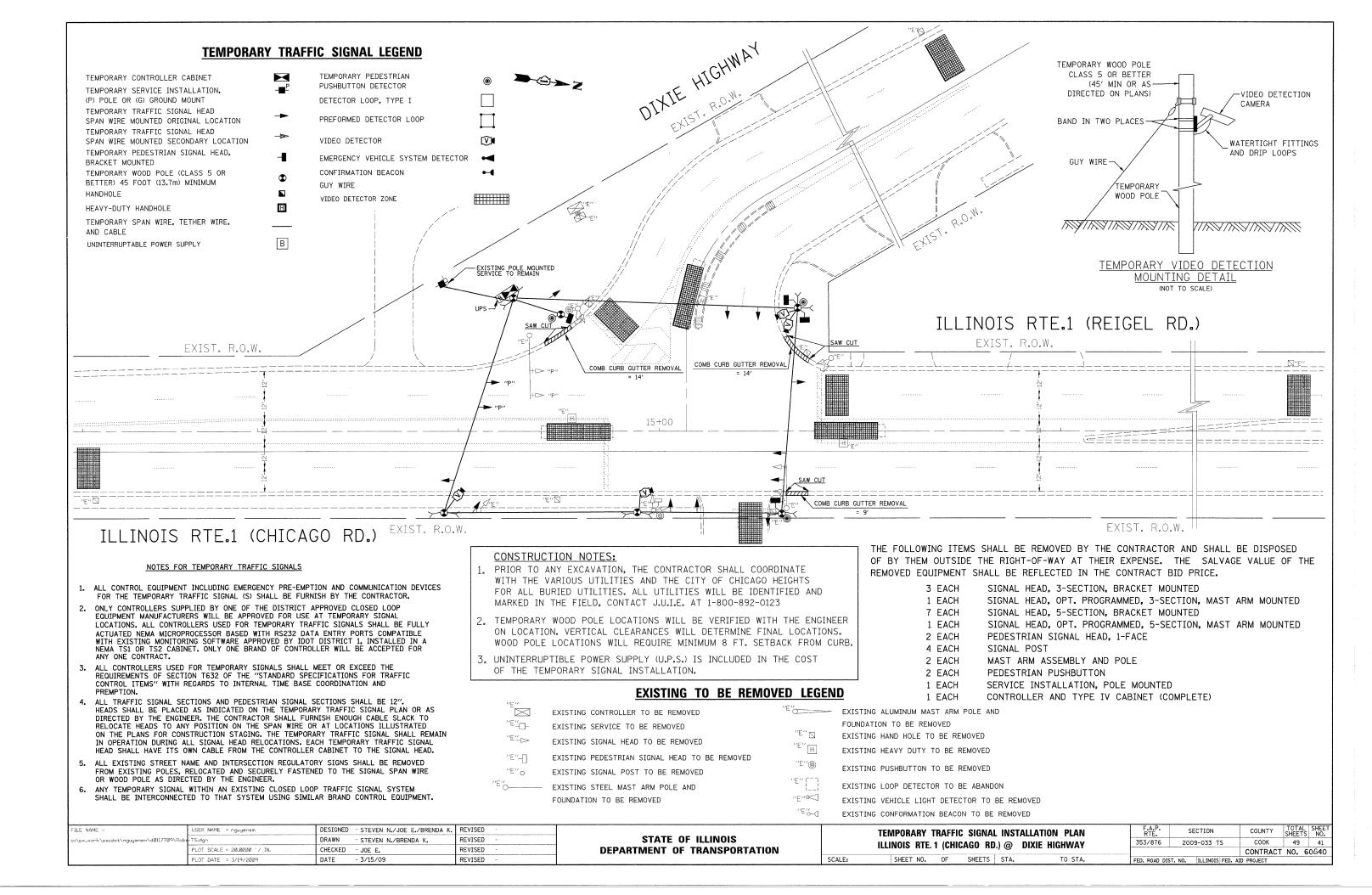


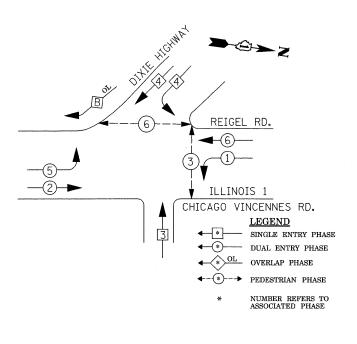












TEMPORARY PHASE DESIGNATION DIAGRAM

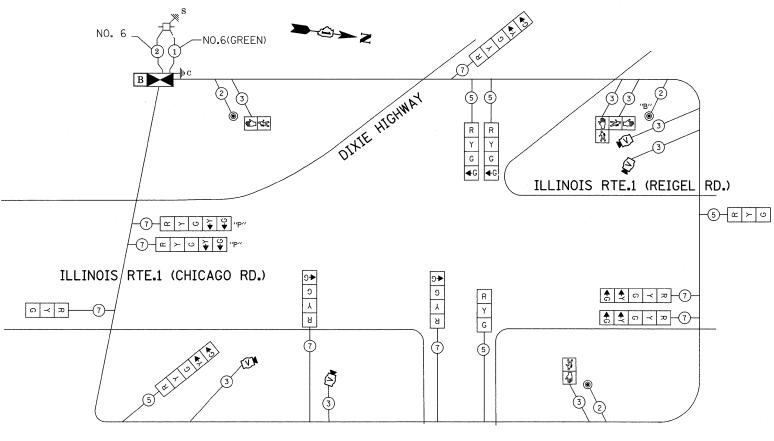
NOTE:

PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

OVERLAP PERMISSIVE PROTECTED PHASE PHASE



TEMPORARY CABLE PLAN

TEMPORARY CABLE PLAN

ILLINOIS RTE.1 @ DIXIE HIGHWAY

SHEET NO. OF SHEETS STA.

TEMPORARY CABLE DIAGRAM LEGEND

	PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET	\blacksquare	
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	- <u>P</u>	- <u>-</u> -
TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)	R	R
12" (300 MM) PEDESTRIAN SIGNAL SECTION	₽ \$	
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED	-2-	
PEDESTRIAN PUSHBUTTON DETECTOR	•	©
VEHICLE DETECTOR, INDUCTION LOOP		
MICROWAVE VEHICLE SENSOR	M ■	(M)
VIDEO DETECTOR	(V)■	
CLOSED CIRCUT TV	©.	(Ĉ)
EMERGENCY VEHICLE SYSTEM DETECTOR	◄	⊗ <
CONFIRMATION BEACON	•	0-(
WIRELESS INTERCONNECT (ANTENNA)		
UNINTERRUPTIBLE POWER SUPPLY	В	

353/876

SECTION

2009-033 TS

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

COUNTY TOTAL SHEETS NO. COOK 49 42

CONTRACT NO. 60G40

| I.D.O.T | TRAFFIC SIGNAL INSTALLATION | ELECTRICAL SERVICE REQUIREMENTS | TOTAL | WATTAGE | TYPE | NO. LAMPS | MATTAGE | NO. LAMPS | NO.

DESIGNED - STEVEN N./JOE E./BRENDA K. REVISED

REVISED

REVISED

REVISED

DRAWN - STEVEN N./BRENDA K.

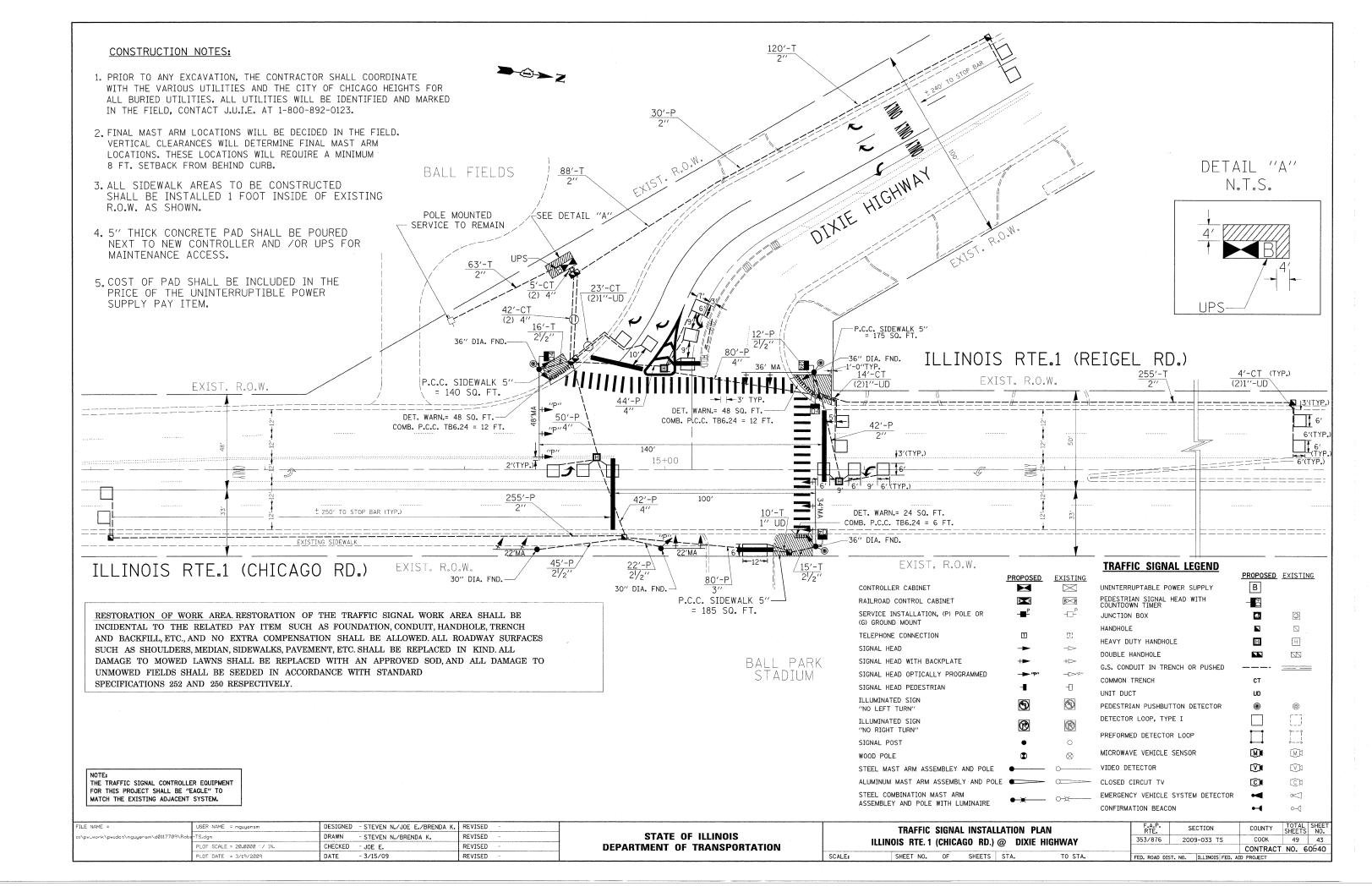
- 3/15/09

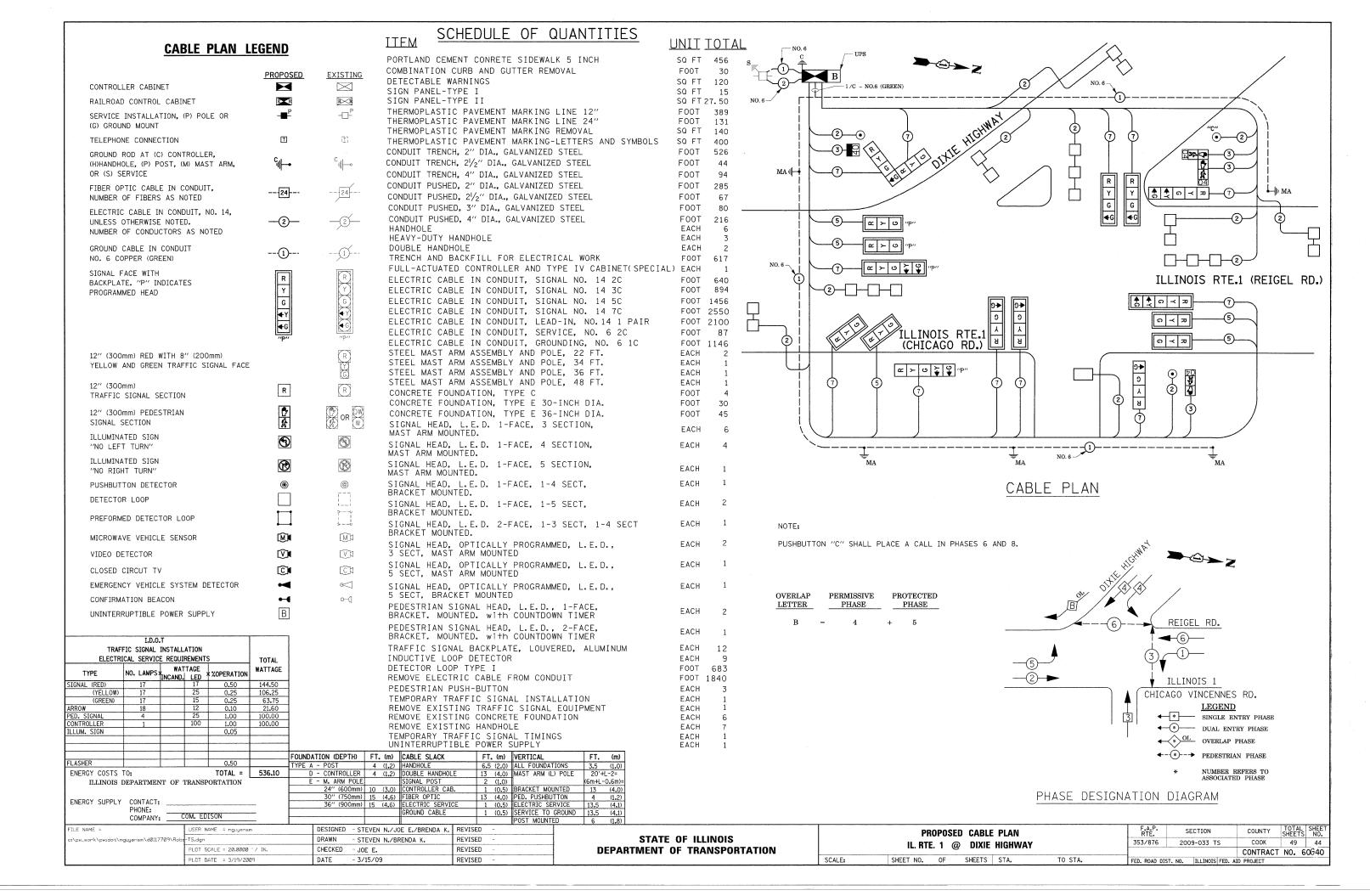
CHECKED - JOE E.

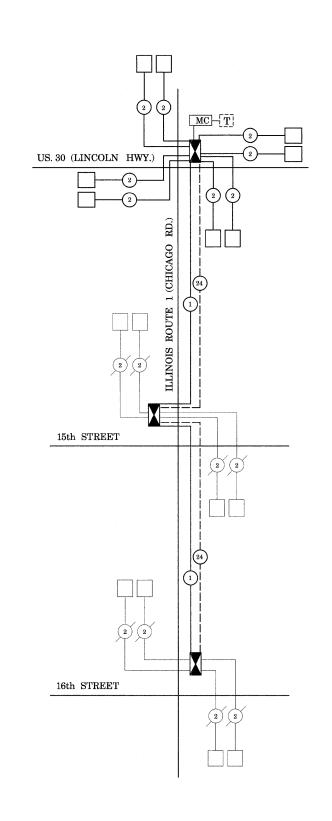
DATE

PLOT SCALE = 20.0000 '/ IN.

TILE NAME =







INTERCONNECT SCHEMATIC LEGEND

INTERSECTION CONTROLLER EXISTING INTERSECTION CONTROLLER MC MASTER CONTROLLER EMC EXISTING MASTER CONTROLLER MMC MASTER MASTER CONTROLLER PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS ----(24)-----PROPOSED FIBER OPTIC CABLE- NO.62.5125 2-MM12F & SM12F INTERCONNECT CABLE-NO.18 3 PAIR TWISTED, SHIELDED LOOP DETECTOR CABLE-2C TWISTED, SHIELDED EXISTING FIBER OPTIC CABLE-NO. 62.5425 2-MM12F & SM12F EXISTING INTERCONNECT CABLE-NO.18 3 PAIR TWISTED, SHIELDED EXISTING LOOP DETECTOR CABLE-2C TWISTED, SHIELDED $|\mathbf{T}|$ TELEPHONE CONNECTION PROPOSED TRACER CABLE NO. 14 1C EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS P [T]EXISTING TELEPHONE CONNECTION EXISTING TRACER CABLE 1/C (AS SPECIFIED) ES EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. ESP

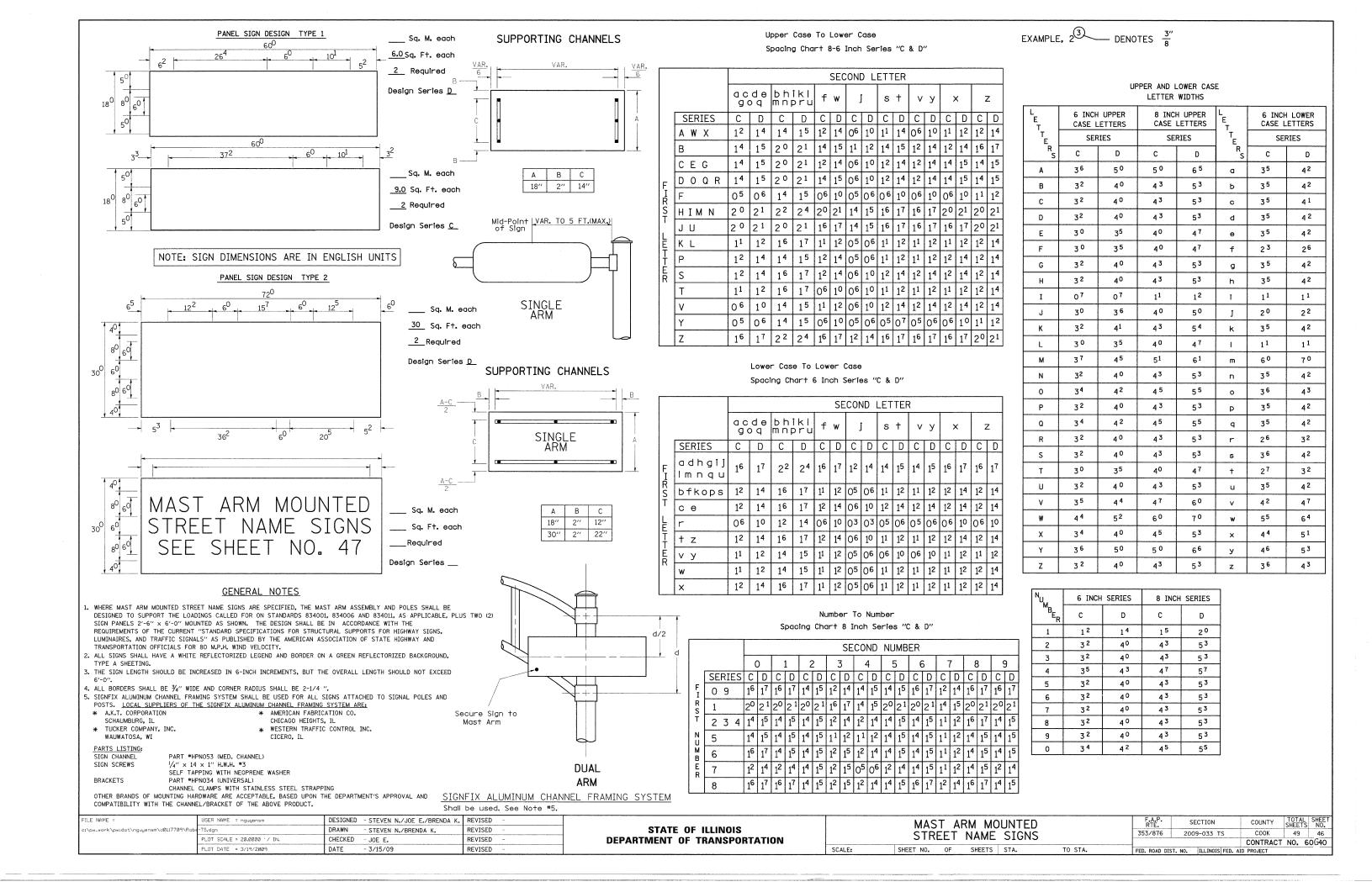
COUNTY TOTAL SHEET NO. COOK 49 45

CONTRACT NO. 60640

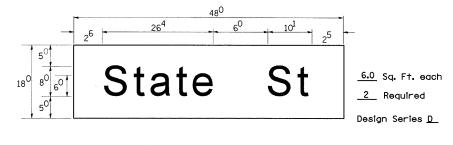
SCHEDULE OF QUANTITIES

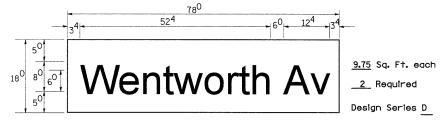
PAY ITFM	LINITT	OLIANITITY
FAI IIEM	UNIT	QUANTITY
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F	FOOT	1590
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1500
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	1590
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	EACH	3

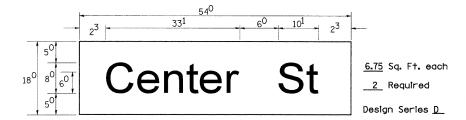
FILE NAME =	USER NAME = nguyensm	DESIGNED			OTATE OF WILMON							EMATIC			F.A.P. RTE.	SECTI	ON	COUNTY
c:\pw_work\pwidot\nguyənsm\dØ1177Ø9\Robs	-TS.dgn	DRAWN	- STEVEN N./BRENDA K.	REVISED -	STATE OF ILLINOIS	ILLINOIS ROUTE 1 (CHICAGO ROAD) FROM US. ROUTE 30 (LINCOLN HIGHWAY) TO 16TH STREET		353/876	2009-03	33 TS	COOK							
1	PLDT SCALE = 20.0000 '/ IN.	CHECKED	- JOE E.	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT							
	PLOT DATE = 3/19/2009	DATE	- 3/15/09	REVISED -		SCALE: 1"=20'	SHE	ET NO.	OF	F :	SHEETS	STA.	TO STA		FED. ROAD DIS	T. NO. ILL	INOIS FED. AI) PROJECT

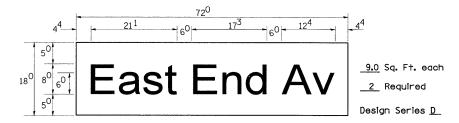


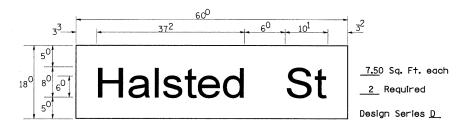
PANEL SIGN DESIGN TYPE 1

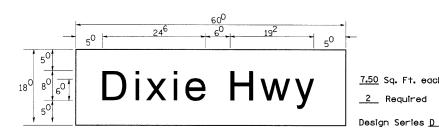












PANEL SIGN DESIGN TYPE 2





13.75 Sq. Ft. each

4 Required

Design Series D

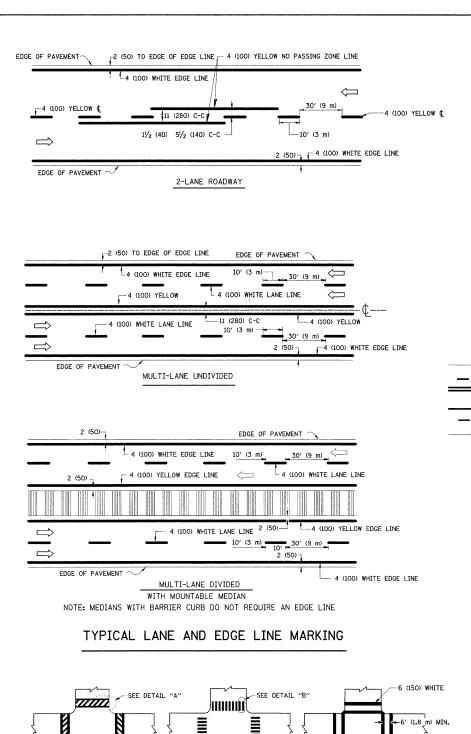
NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

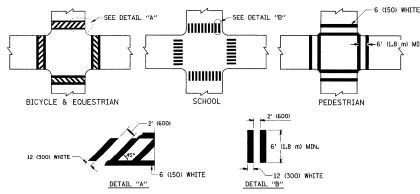
FILE NAME =	USER NAME = nguyensm	DESIGNED	- STEVEN N./JOE E./BRENDA K.	REVISED	-	Γ
c:\pw_work\pwidot\nguyensm\d0117709\Robs	-TS.dgn	DRAWN	- STEVEN N./BRENDA K.	REVISED	**	1
	PLOT SCALE = 20.0000 '/ IN.	CHECKED	- JOE E.	REVISED	-	1
	PLOT DATE = 3/19/2009	DATE	- 3/15/09	REVISED	_	1

STATE	0F	ILLINOIS
DEPARTMENT ()F 1	RANSPORTATION

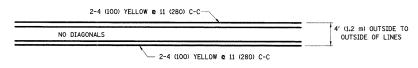
MAS	ΤА	RM MO	UNTED		F.A.P. RTE.	SE
STR	EET	NAME	SIGNS		353/876	200
SHEET NO	0F	SHEETS	STA	TO STA.	EED BOAD DE	T NO.

F.A.P. RTE.	SE	ECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353/876	200	9-033 TS	соок	49	47
			CONTRACT	NO. 6	0G40
FFD. ROAD DIS	ST. NO.	THE TNOTS FED.	ATD PROJECT		

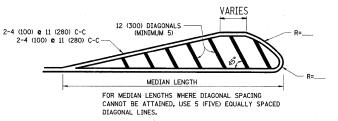




TYPICAL CROSSWALK MARKING

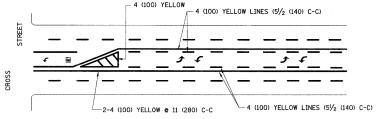


4' (1.2 m) WIDE MEDIANS ONLY

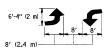


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) T0 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

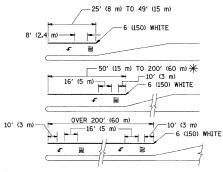


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

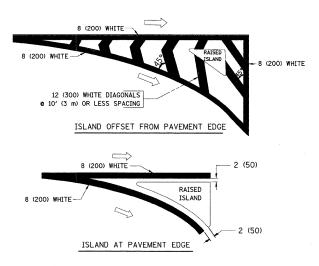


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SQ. FT. (1.5 m²) \P AREA = 20.8 SQ. FT. (1.9 m²)

★ 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 UNDIVEDED 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	5½ (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 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; 51/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART 5EE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 & 4 (100) WITH 12 (300) DIAGONALS & 45°	SOLID	YELLOW: TWO WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS		WHITE: ONE WAY TRAFFIC	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 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) e 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))

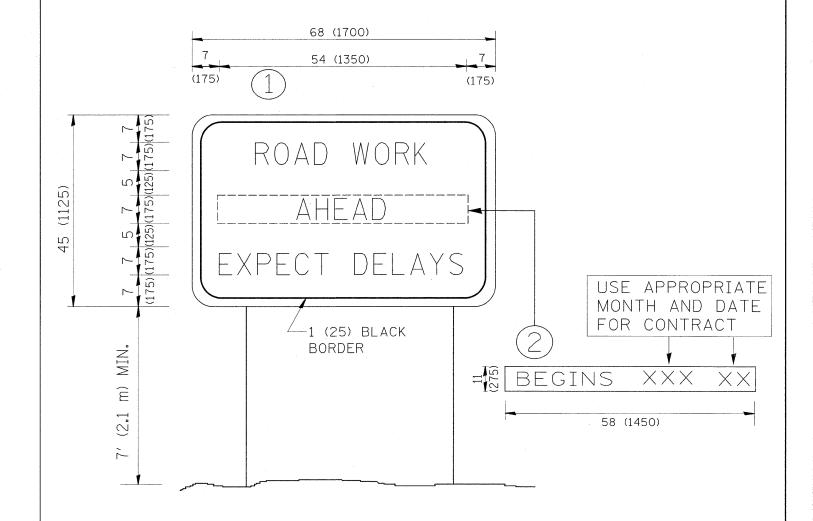
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME ≈ nguy⊜nsm	DESIGNED	-	EVERS	REVISED	-T.	RAMMACHER 10-27-94
c:\pw_work\pwidot\nguyensm\d0l17709\Dist	Std.dgn	DRAWN	-		REVISED	-A.	HOUSEH 10-09-96
	PLOT SCALE = 50.0000 '/ IN.	CHECKED	-		REVISED	- A.	HOUSEH 10-17-96
	PLOT DATE = 3/19/2009	DATE	-	03-19-90	REVISED	- T.	RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 DISTRICT ONE	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
TYPICAL PAVEMENT MARKINGS	353/ 876	2009-033 TS	COOK	49	48
		TC-13	CONTRACT	NO. 6	0G40
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. R	OAD DIST, NO. 1 ILLINOIS FED. AL	D PROJECT		



NOTES:

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

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

FILE NAME =	USER NAME = nguyensm	DESIGNED -	REVISED - R. MIRS 09-15-97		ARTERIAL ROAD	F.A.P. SECTION	COUNTY TOTAL SHEET
c:/pw_work/pwidot/nguyensm/d01	117709\Distatd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS		353/ 2009-033 TS	COOK 49 49
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN	TC-22	CONTRACT NO. 60G40
	PLOT DATE = 3/19/2009	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		D. AID PROJECT