STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS**

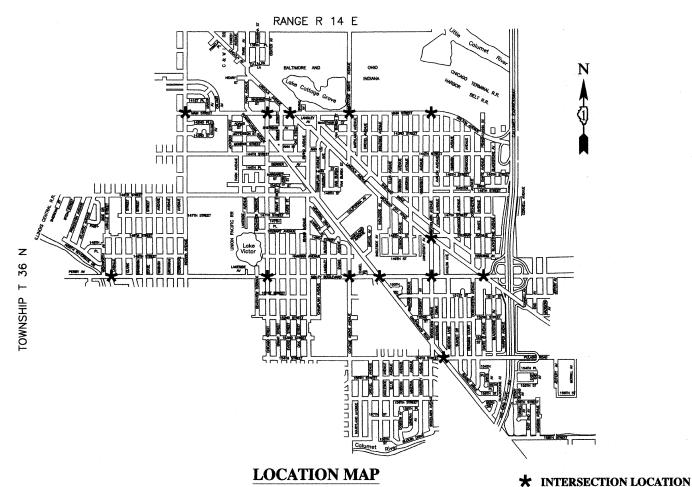
PLANS FOR PROPOSED

FEDERAL AID HIGHWAY

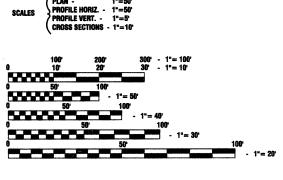
VILLAGE of DOLTON TRAFFIC SIGNAL PRIORITY PREEMPTION IMPROVEMENTS

SECTION NO.:09-00114-00-TL

PROJECT: ARA-9003(336) C-91-652-09 **COOK COUNTY**



NO SCALE **LENGTH OF PROJECT - 13 INTERSECTIONS**



INDEX OF SHEETS

IDOT DISTRICT 1 STANDARD DETAILS

HIGHWAY STANDARDS

LOCATION MAP

VILLAGE OF DOLTON

COVER SHEET, INDEX OF SHEETS, & STATE STANDARDS

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION URBAN LANE CLOSURE, MULTILANE, INTERSECTION TRAFFIC CONTROL DEVICES STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES TRAFFIC SIGNAL MOUNTING DETAILS

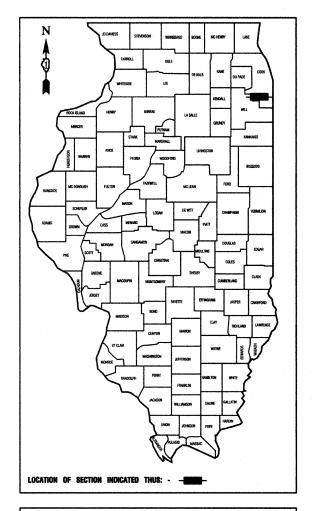
SUMMARY OF QUANTITIES & GENERAL NOTES

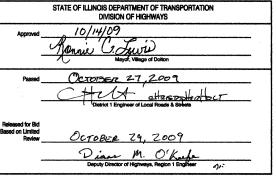
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 63317



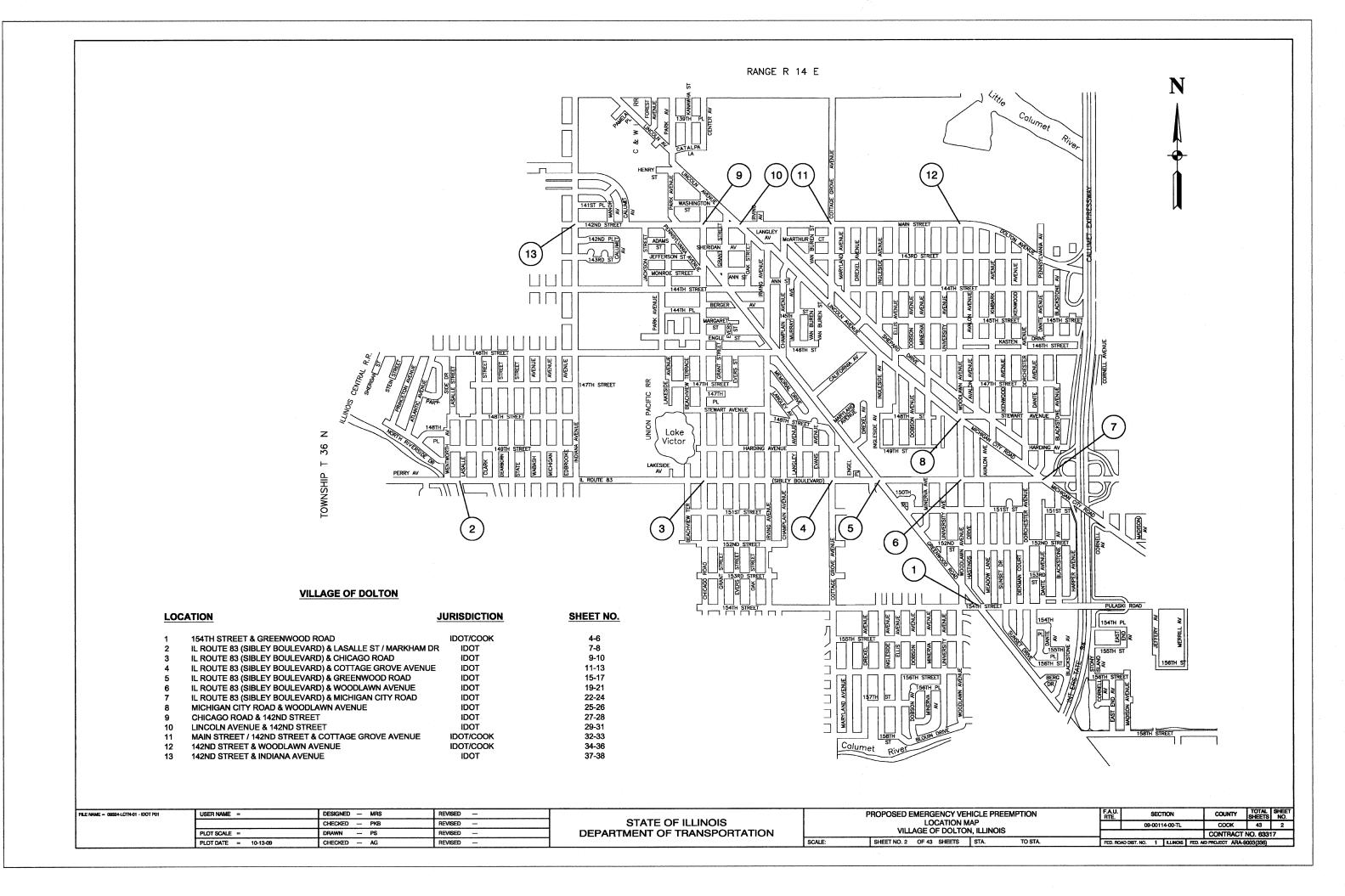




PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



09324-COVR-01 - C02



				Y031-IF	1												
S.I.	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUAN	154TH STREET & GREENWOOD ROAD	ILL ROUTE 83 (SIBLEY BLVD) & LASALLE ST / MARKHAM DR	ILL ROUTE 83 (SIBLEY BLVD) & CHICAGO ROAD	ILL ROUTE 83 (SIBLEY BLVD) & COTTAGE GROVE AVE	ILL ROUTE 83 (SIBLEY BLVD) & GREENWOOD ROAD	ILL ROUTE 83 (SIBLEY BLVD) & WOODLAWN AVENUE	ILL ROUTE 83 (SIBLEY BLVD) & MICHIGAN CITY ROAD	MICHIGAN CITY ROAD & WOODLAWN AVENUE	CHICAGO ROAD & 142ND STREET	LINCOLN AVENUE & 142ND STREET	MAIN STREET / 142ND STREET & COTTAGE GROVE AVENUE	142ND STREET & WOODLAWN AVENUE	142ND STREET & INDIANA AVENUE
		INTERSECTION NUMBER			1	2	3	4	- 5	6	7	8	9	10	11	12	13
	67100100	MOBILIZATION	L SUM	1												i	
11.78.00	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1													ļ
	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	150								150					L
	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	13	1	1	1	1	1	1	1	1	1	1	1	1	1
	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2								1				1	
	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3991	355	450	289	306	284	515	417	159	192	255	273	266	234
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	548								548					ļ!
	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	4						2		1				1	
	87900200	DRILL EXISTING HANDHOLE	EACH	4		.						4				,	
2 mar - 20 m	88500100	INDUCTIVE LOOP DETECTOR	EACH	6								3				3	
	88700200	LIGHT DETECTOR	EACH	27	2	2	2	2	2	3	2	2	2	2	2	2	2
.,	88700300	LIGHT DETECTOR AMPLIFIER	EACH	13	1	1	1	1.	1	1	1	1	1	1	1	1	1
	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	6						4		1				1	ļ
	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3						1		1				1	
	89500400	relocate existing pedestrian push—button	EACH	3						1		1				1	ļ
	89502200	MODIFY EXISTING CONTROLLER	EACH	11	1	1	1	1	1	1	1		1	1	1		1
	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7						3		2				2	ļ
	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3991	355	450	289	306	284	515	417	159	192	255	273	266	234
	X8780110	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1				ļ				1			san na mana a a a a a ana a		para e como de como de la como de
	XX007286	MAGNETIC DETECTOR AMPLIFIER	EACH	2								2					
	des a color to a color and and and and	SHIPTING AND A SHIPTING TO A SHIPTING THE RANGE OF THE SHIPTING AND A SHIPTING AN		ļ		1											
						L	·					<u> </u>			L		

GENERAL NOTES

UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL WORK INSTALLED UNDER THIS CONTRACT INVOLVING TRAFFIC CONTROL DEVICES SHALL BE IN STRICT ACCORDANCE WITH ANY AND ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY", LATEST EDITION.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR MUST CONTACT IDOT BUREAU OF CONSTRUCTION (847) 705-4300 AND ROBINSON ENGINEERING 72 HOURS PRIOR TO THE START OF ANY WORK ON THIS PROJECT. IDOT BUREAU OF LOCAL ROADS COORDINATOR, (847) 705-4189, SHALL BE NOTIFIED OF ALL MAINTENANCE TRANSFERS.

THE CONTRACTOR SHALL TEST AND ADJUST ALL EMERGENCY VEHICLE PREEMPTION EQUIPMENT WITH THE LOCAL FIRE DEPARTMENT PRIOR TO THE FINAL INSPECTION. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENTS 48 HOURS PRIOR TO THE TESTING.

THE CONTRACTOR SHALL NOTIFY THE LOCAL POLICE DEPARTMENTS 24 HOURS PRIOR TO ANY TRAFFIC LANE CLOSURES FOR THE INSTALLATION OF EVP EQUIPMENT.

THE REMOVAL OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC., SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE VILLAGE DOES NOT GUARANTEE ITS ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT, WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY INVOLVED. THE RESPECTIVE OWNERS, WITH THE EXCEPTION OF THOSE OWNED BY THE VILLAGE WILL DO ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS.

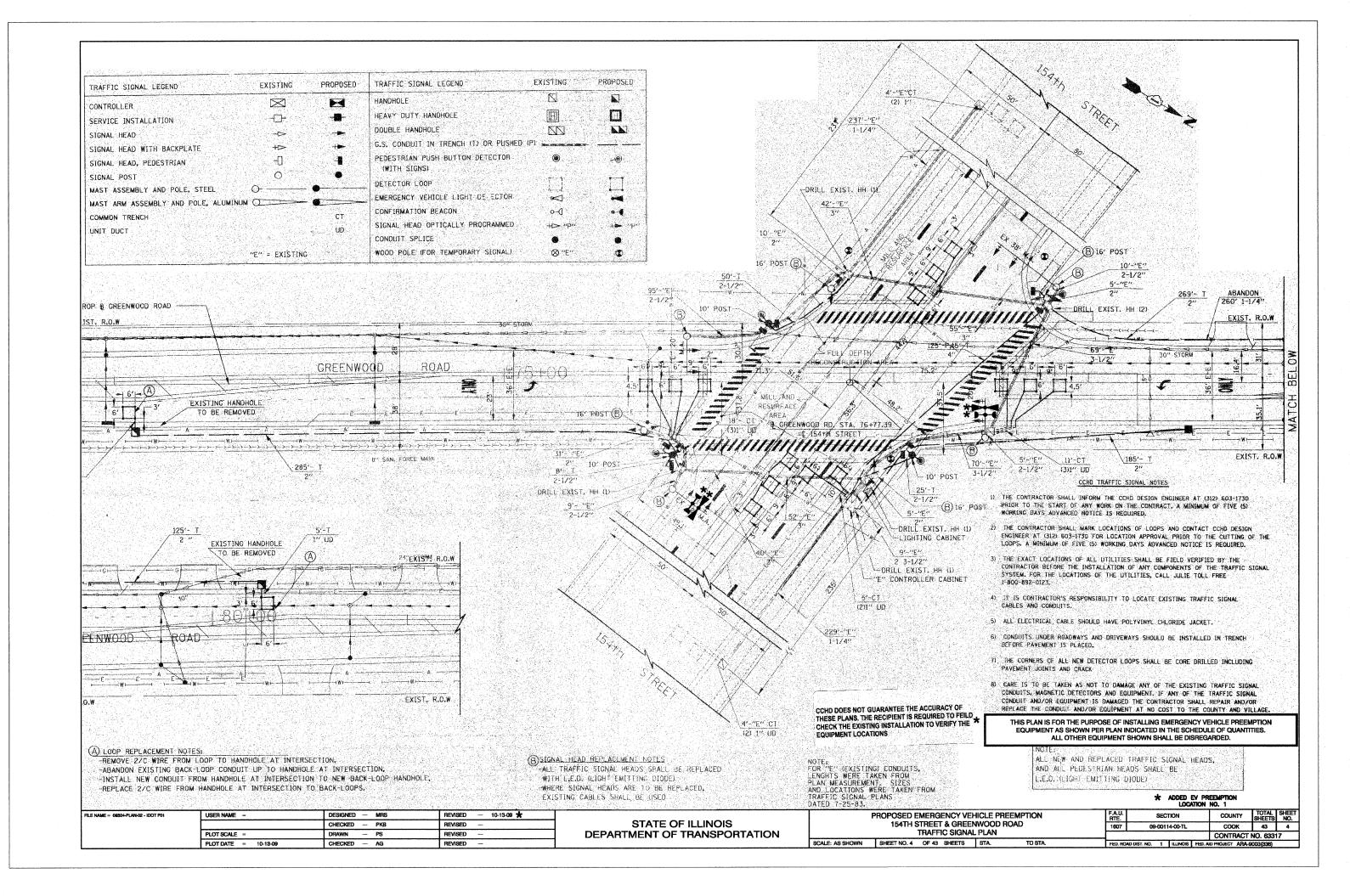
ALL EXCAVATED AND UNNEEDED EXCAVATED MATERIAL SHALL BE REMOVED FROM THE JOB SITE THE SAME DAY THAT IT WAS EXCAVATED. FAILURE TO ABIDE BY THIS WILL RESULT IN THE CONTRACTOR BEING ACCESSED TRAFFIC CONTROL DEFICIENCY DEDUCTIONS AS INCLUDED IN THE SPECIAL PROVISIONS.

WHEN, IN THE CONSTRUCTION OPERATION, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR OTHER DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE CONTRACTOR AT HIS EXPENSE SHALL REMOVE THIS MATERIAL AT THE CLOSE OF EACH DAY.

ALL TRENCHES AND AREAS OF DISTURBED GROUND ADJACENT TO CONCRETE FOUNDATIONS AND HANDHOLES SHALL BE RESTORED BY SODDING THE SURFACE IN ACCORDANCE WITH SECTION 252 OF THE STANDARD SPECIFICATIONS WITH 2 WEEKS OF COMPLETION OF UNDERGROUND WORK. THIS WORK SHALL BE INCLUDED IN THE COST OF RELATED TRENCHES, CONCRETE FOUNDATIONS, AND HANDHOLES.

Global Traffic Technologies, (GTT), OPTICOM 400 SERIES PHASE SELECTORS AND THE MOST RECENT MODEL OF THE OPTICAL DETECTOR SHALL BE INSTALLED AT INTERSECTIONS LOCATED WITHIN THE VILLAGE OF DOLTON.

FILE NAM	E ≈ 09324-QUAN-01 - IDOT P01	USER NAME =	DESIGNED MRS	REVISED —			PROPOSED EMERGENCY VEHICLE PREEMPTION	F.A.U. SECTION	COUNTY TOTA	TAL SHEET
			CHECKED — PKB	REVISED	STATE OF ILLINOIS		SUMMARY OF QUANTITIES & GENERAL NOTES	09-00114-00-TL	COOK 43	13 3
ı		PLOT SCALE =	DRAWN PS	REVISED	DEPARTMENT OF TRANSPORTATION		VILLAGE OF DOLTON, ILLINOIS		CONTRACT NO. 6	63317
		PLOT DATE = 10-13-09	CHECKED — AG	REVISED		SCALE:	SHEET NO. 3 OF 43 SHEETS STA. TO STA.		AID PROJECT ARA-9003(33	



NO.	ITEM DESCRIPTION	UNIT	TOTAL
i	SERVICE INSTALLATION, POLE MOUNT	EACH.	2
179	CONDUIT IN TRENCH, 2 IN. DIA., GALVANIZED STEEL	FOOT	60
180	ONDUIT IN TRENCH, 21/2IN. DIA., GALVANIZED STEEL	F001	103
181	CON UIT IN TRENCH, 4 IN. DIA., GALVANIZED STEEL	FOOT	15
182	CONDUL PUSHED, 4 IN. DIA., GALVANIZED STEEL	FOOT	145 •
183	HANDHOLE	EAO	3.
184	TRENCH AND BOCKFILL FOR ELECTRICAL WORK	001	722 •
185	REMOVAL OF ELECTRICAL SERVICE INSTALLATION	EACH	
186	MAINTENANCE OF EXACTING TRAFFIC SIGNAL INSTALLATION	EACH	5-5-1
190	GROUNDING EXISTING HANDHOLE FRAME AND COVER	ÈACH	9
191	ELECTRIC CABLE IN CONDUIT GROUNDING NO. 6, IC	FOOT	1936
192	ELECTRIC CABLE IN CONDUIT. S. RVICE, NO. 6 2C	FOOT	205
193	ELECTRICAL CABLE IN CONDUIT, S. WAL, NO. 14 2C	FOOT	777
194	ELECTRICAL CABLE IN CONDUIT, SIGNA, ND. 14 3C	FOOT	1649
195	ELECTRICAL CABLE IN CONDUIT, SIGNAL, 0. 14 50	FOOT	872
196	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. N. PAIR	FÓOT -	400 *
198	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10	EACH	3
199	CONCRETE FOUNDATION, TYPE A	FOOT	12
200	DRILL EXISTING HANDHOLE	EACH	8 *
201	SIGNAL HEAD, LED, 1-FACE, 3-SECTIVA, MAST ARM MOUNTE.	EAGH	4
202	SIGNAL HEAD, LED, 1-FACE, 5-SE TION, MAST ARM MOUNTED	EACH	4
203	SIGNAL HEAD, LED, 2-FACE, VS SECTION, 1-5 SECTION, BRACKET COUNTED	EACH	4
205	PEDESTRIAN SIGNAL HEAD LED, 2-FACE, BRACKET MOUNTED	EACH	4
206	TRAFFIC SIGNAL BACKF ATE, LOUVERED, ALUMINUM	EACH	8
207	DETECTOR LOOP, TOTE 1	FOOT	620 •
208	PEDESTRIAN PUBLISHITTON	EACH	4
209	TEMPORARY RAFFIC SIGNAL INSTALLATION	N I	/
210	MODIFY XISTING CONTROLLER	EACH	1
211	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	600 •
212	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	\ 1
213	REMOVE EXISTING HANDHOLE	EÁCH	1
214	REBUILD EXISTING HANDHOLE	EACH	2
1			

TYPE	NO. OF LAMPS	WA INCAND.	FTAGE LED	Z OPERATION	
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	- 25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	35	0.05	
FLASHER				0.50	
		TV-1-26-0		TOTAL =	605.6

ENERGY SUPPLY: CONTACT:

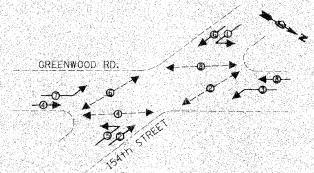
PHONE:

COMPANY: COMED

TYPE A-POST	4
D-CONTROLLER	. 4
E-M. ARM POLE	
24"	10
30"	15
OVER COVER	er
CABLE SLACK	FT.
HANDHOLE	6,5
DOUBLE HANDHOLE	. 13
SIGNAL POST	2
CONTROLLER CAB.	1
FIBER OPTIC	13
ELECTRIC SERVICE	1
GROUND CABLE	1
VERTICAL	ĒΤ,
ALL FOUNDATIONS	3.5
MAST ARM (L) POLE	201+L-2
BRACKET MOUNTED	13
PED. PUSHBUTTON	4
ELECTRIC SERVICE	13,5
SERVICE TO GROUND	13,5
POST MOUNTED	6

FOUNDATION (DEPTH) FT.

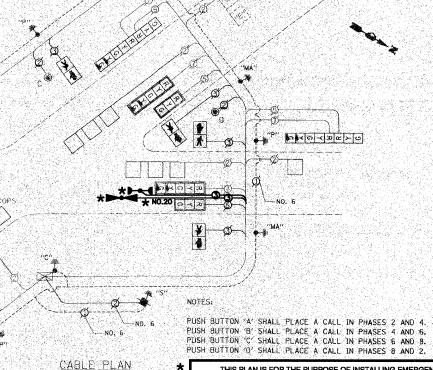
8" TRAFFIC SIGNAL SECTION [1] 12" TRAFFIC SIGNAL SECTION [7]	1 1
LEFT TURN YELLOW	
	H
LEFT TURN GREEN	Eq.
12" PEDESTRIAN SIGNAL SECTION 12"	1
CONTROLLER CABINET	B
SERVICE INSTALLATION	•
VEHICLE DETECTOR INDUCTION LOOP	i lana
EMERGENCY VEHICLE LIGHT DETECTOR	j 👼 :
CONFIRMATION BEACON 5-(J
PEDESTRIAN PUSHBUTTON DETECTOR 6	
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.	(2)
CROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)	(i)
SIGNAL FACE WITH BACKPLATE P" INDICATES PROGRAMMED HEAD	o/ []
SROUND ROD AT HANDHOLE (H) DOUBLE HANDHOLL (H), OR CONTROLUER (C)	°C°
CROUND ROD AT POST (P) OR MAST ARM POLE (MA)	
GROUND ROD AT ELECTRIC SERVICE INSTALLATION (S)	″S″ ●- ⊪
GREENWOOD RD.	NO. 6-
WALLETTO VOLUME	Co-lei
	()— <u>«</u> [»
ORDERUNG "P" O V	المجمور



LEGEND DUAL ENTRY PHASE PEDESTRIAN PHASE N - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR TO BE SHIELDED.



THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES.
ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED. CCHD DOES NOT GUARANTEE THE ACCURACY OF THESE PLANS. THE RECIPIENT IS REQUIRED TO FEILD CHECK THE EXISTING INSTALLATION TO VERIFY THE

* ADDED EV PREEMPTION LOCATION NO. 1

FILE NAME = 09324-PLAN-02 - IDOT P02 USER NAME = DESIGNED — MRS REVISED — 10-13-09 🛧 CHECKED -- PKB REVISED PLOT SCALE = DRAWN -- PS REVISED PLOT DATE = 10-13-09 CHECKED - AG REVISED

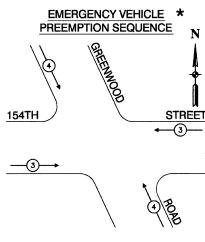
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **EQUIPMENT LOCATIONS**

PROPOSED EMERGENCY VEHICLE PREEMPTION 154TH STREET & GREENWOOD ROAD SCHEDULE OF QUANTITIES, CABLE PLAN, & PHASE DESIGNATION DIAGRAM SCALE: NTS SHEET NO. 5 OF 43 SHEETS STA. TO STA.

COUNTY TOTAL SHEETS NO.

COOK 43 5 SECTION CONTRACT NO. 63317

JIEM .	UNIT	OLIAN
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	355
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	355

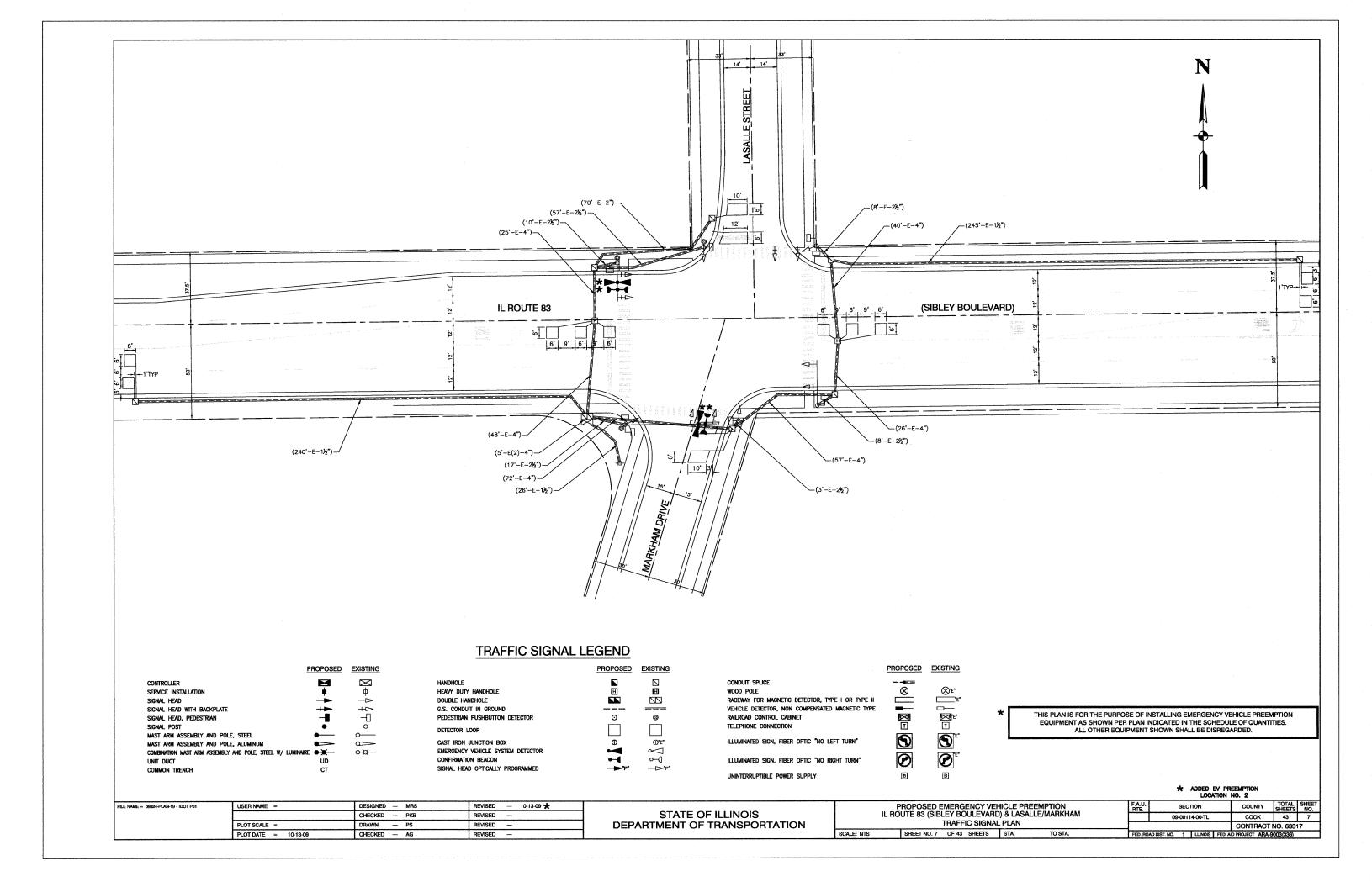


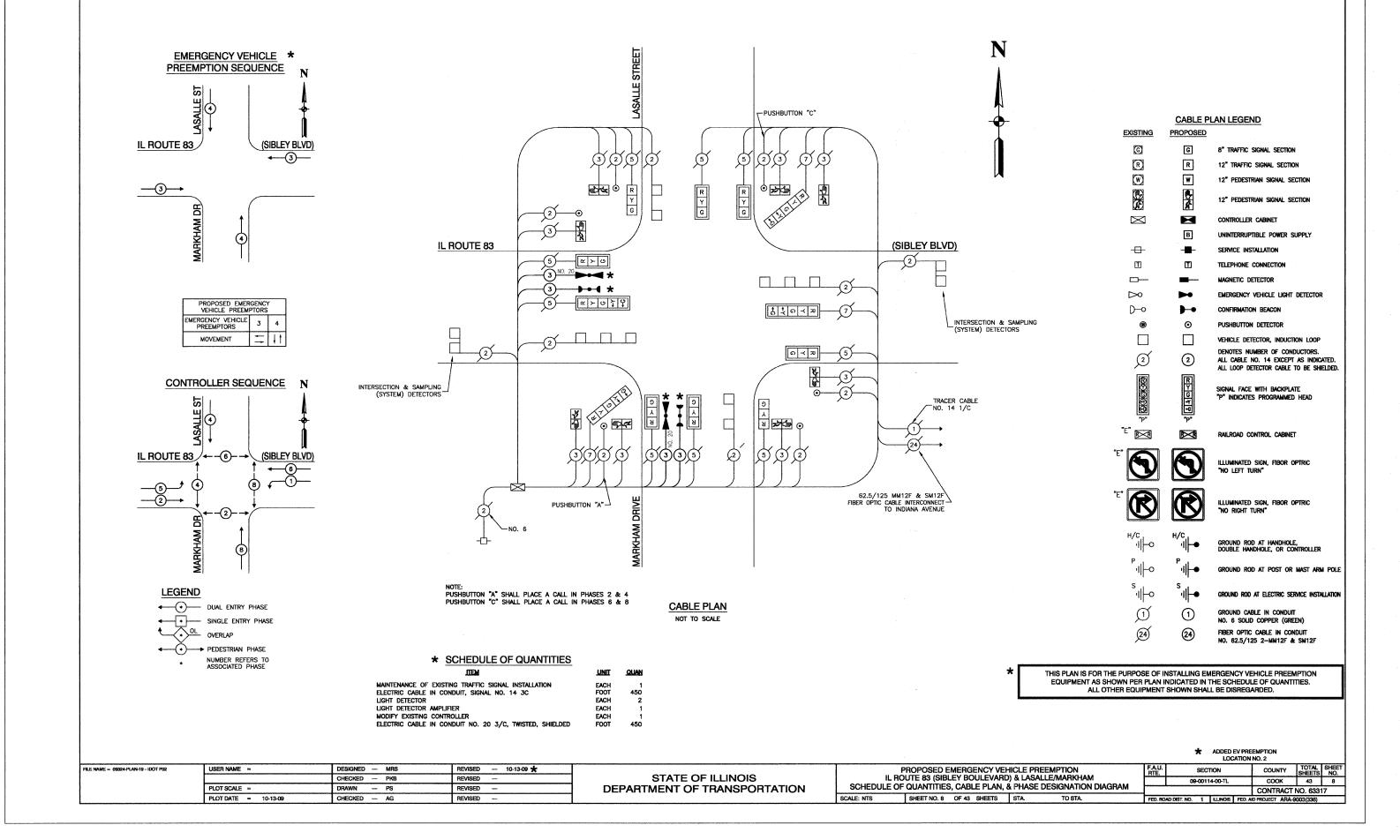
PROPOSED EMER VEHICLE PREEM		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	=	11

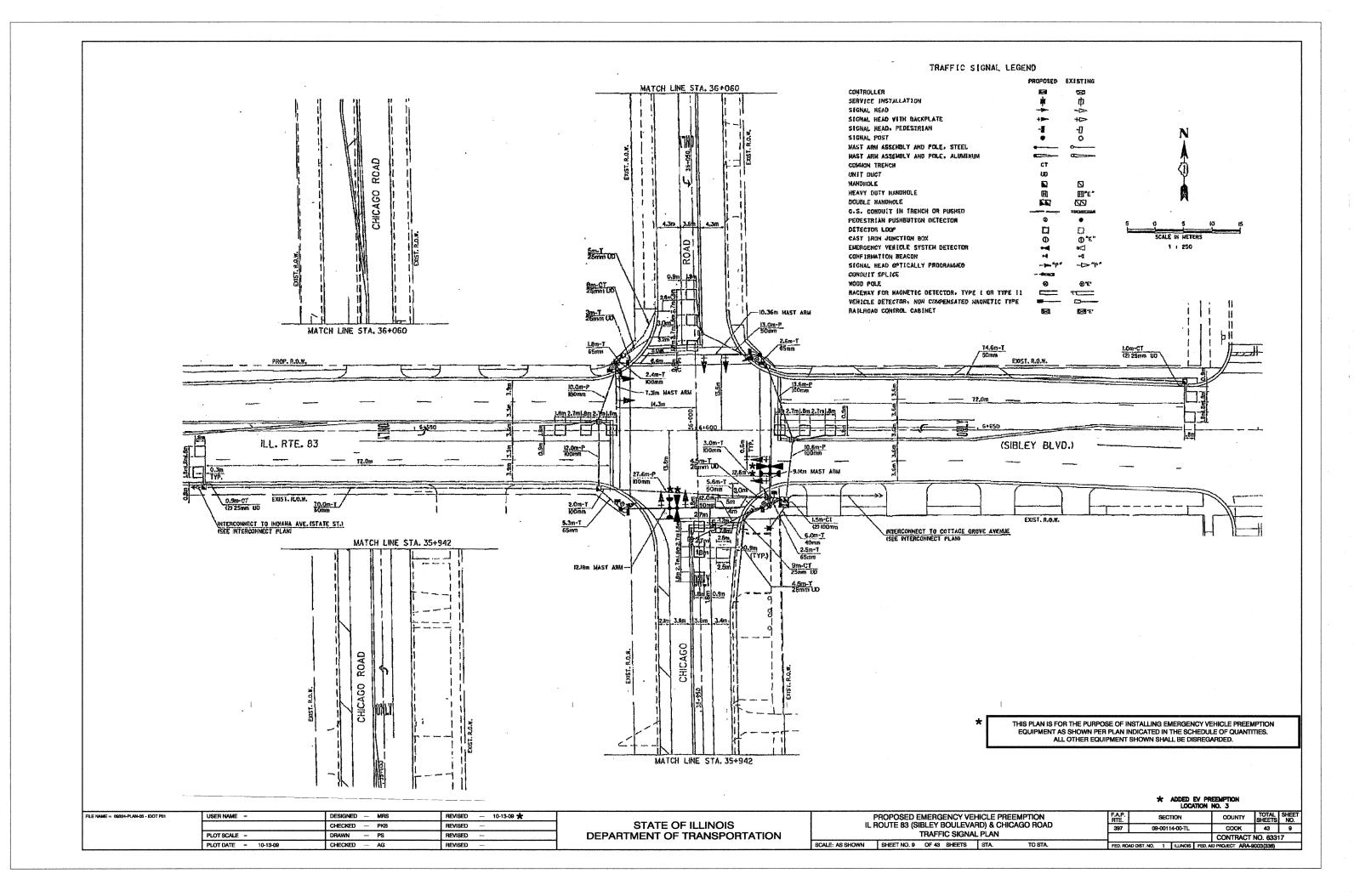
THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

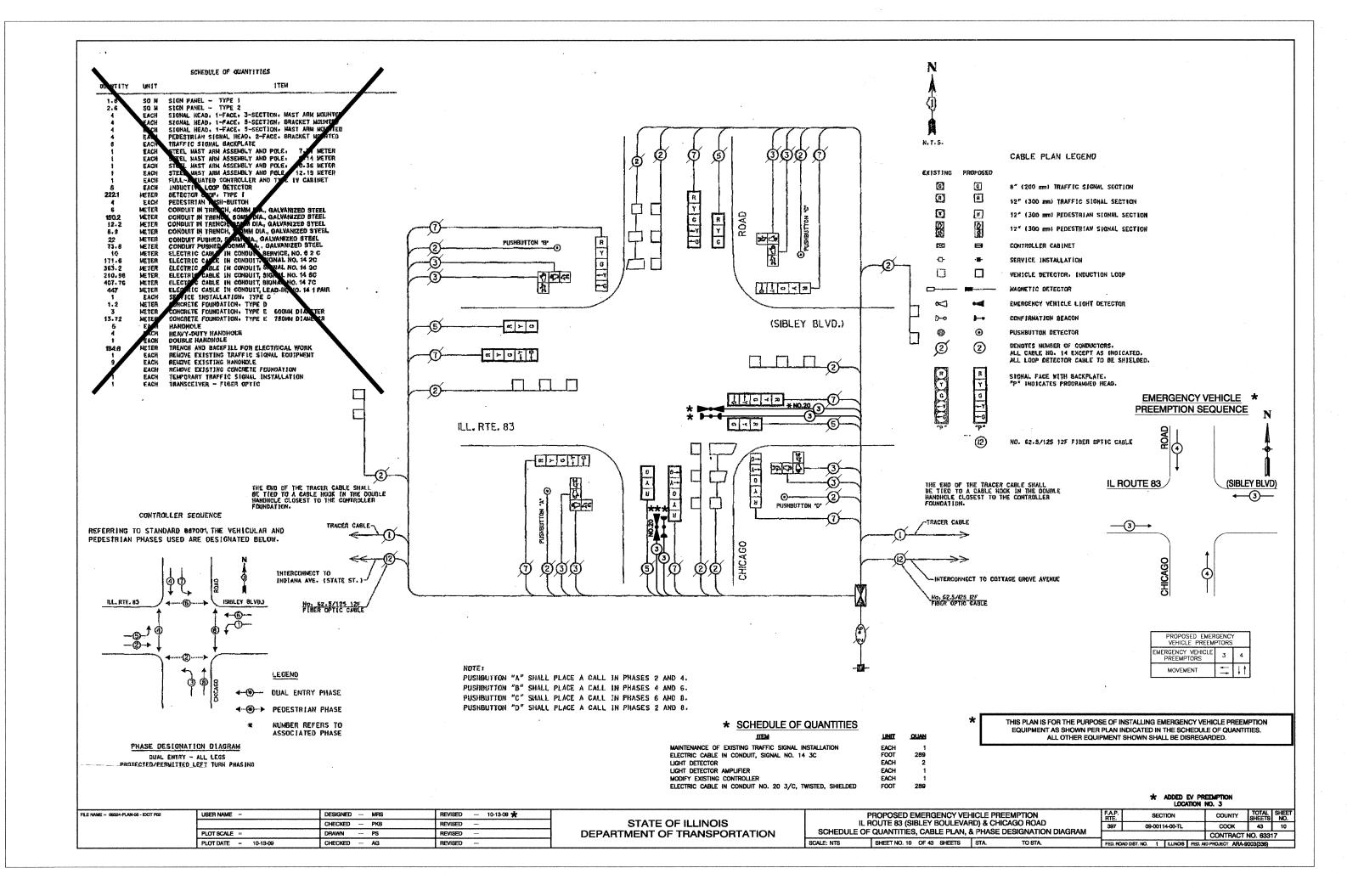
* ADDED EV PREEMPTIO LOCATION NO. 1

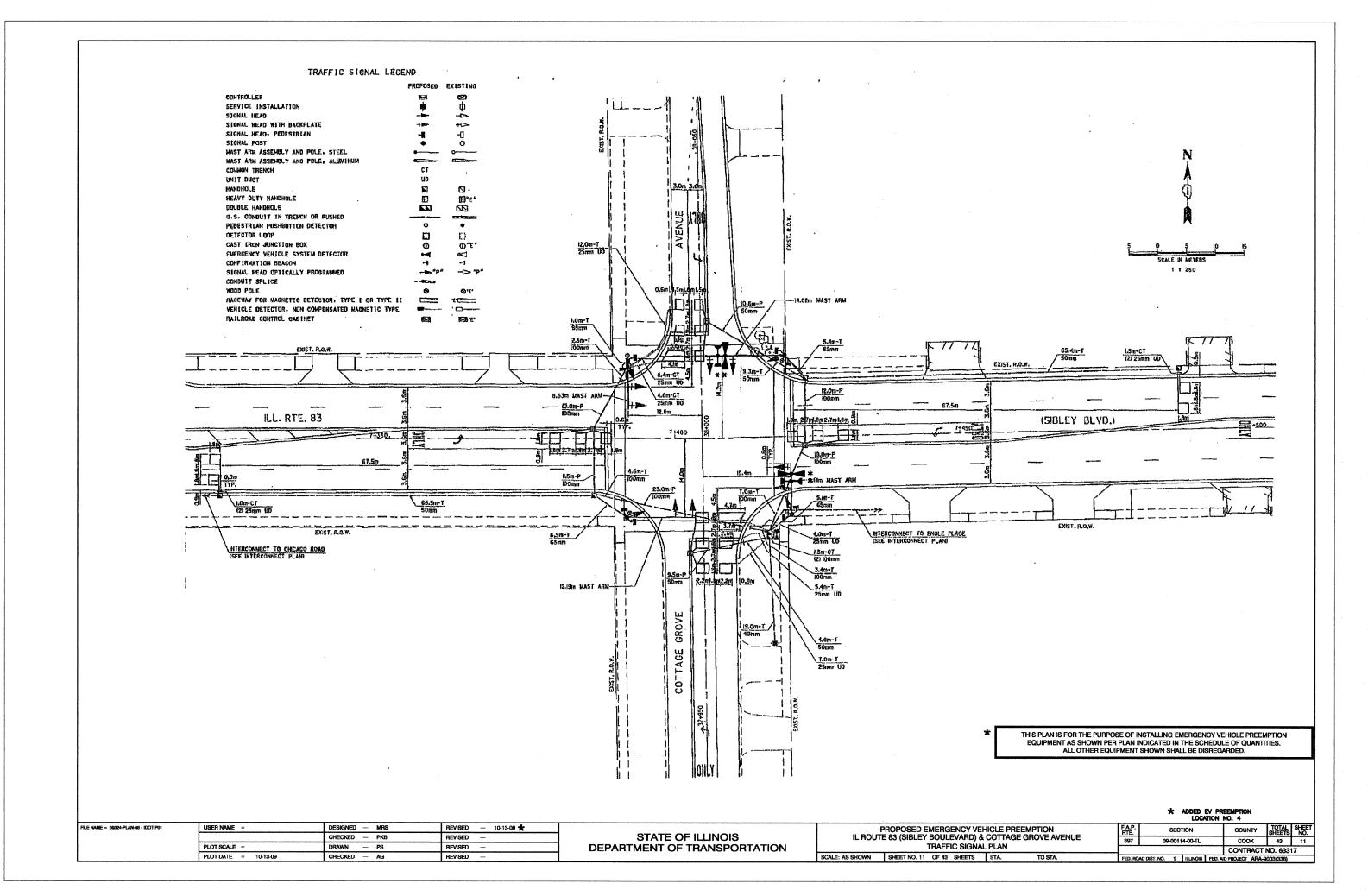
										OCAHON NO. 1		
FILE NAME - 09324-PLAN-02 - IDOT P03	USER NAME ==	DESIGNED MRS	REVISED 10-13-09 🛨			PROPOSED EMERGENCY VEHICLE PREEM		F.A.U. RTE.	SECTION	COUN	TY SHEET	L SHEET
		CHECKED PKB	REVISED	STATE OF ILLINOIS		154TH STREET & GREENWOOD ROAL		1607	09-00114-00-7	rL coo	K 43	6
	PLOT SCALE =	DRAWN PS	REVISED —	DEPARTMENT OF TRANSPORTATION	SCHEDULE	OF QUANTITIES, CABLE PLAN, & PHASE DES	SIGNATION DIAGRAM			CONTE	ACT NO. 63	3317
	PLOT DATE = 10-13-09	CHECKED — AG	REVISED		SCALE: NTS	SHEET NO. 6 OF 43 SHEETS STA.	TO STA.	FED. ROAD DIS	ST. NO. 1 ILLIN	DIS FED. AID PROJECT	ARA-9003(336	3)
	10.00	T OTROTES AC			100:12: 11:0			T TEO. NOAD DIG	1.10. 1 1.00.	NO T PLOS PAID (PLOSEO)	VI JA-SOUN (SOC	2

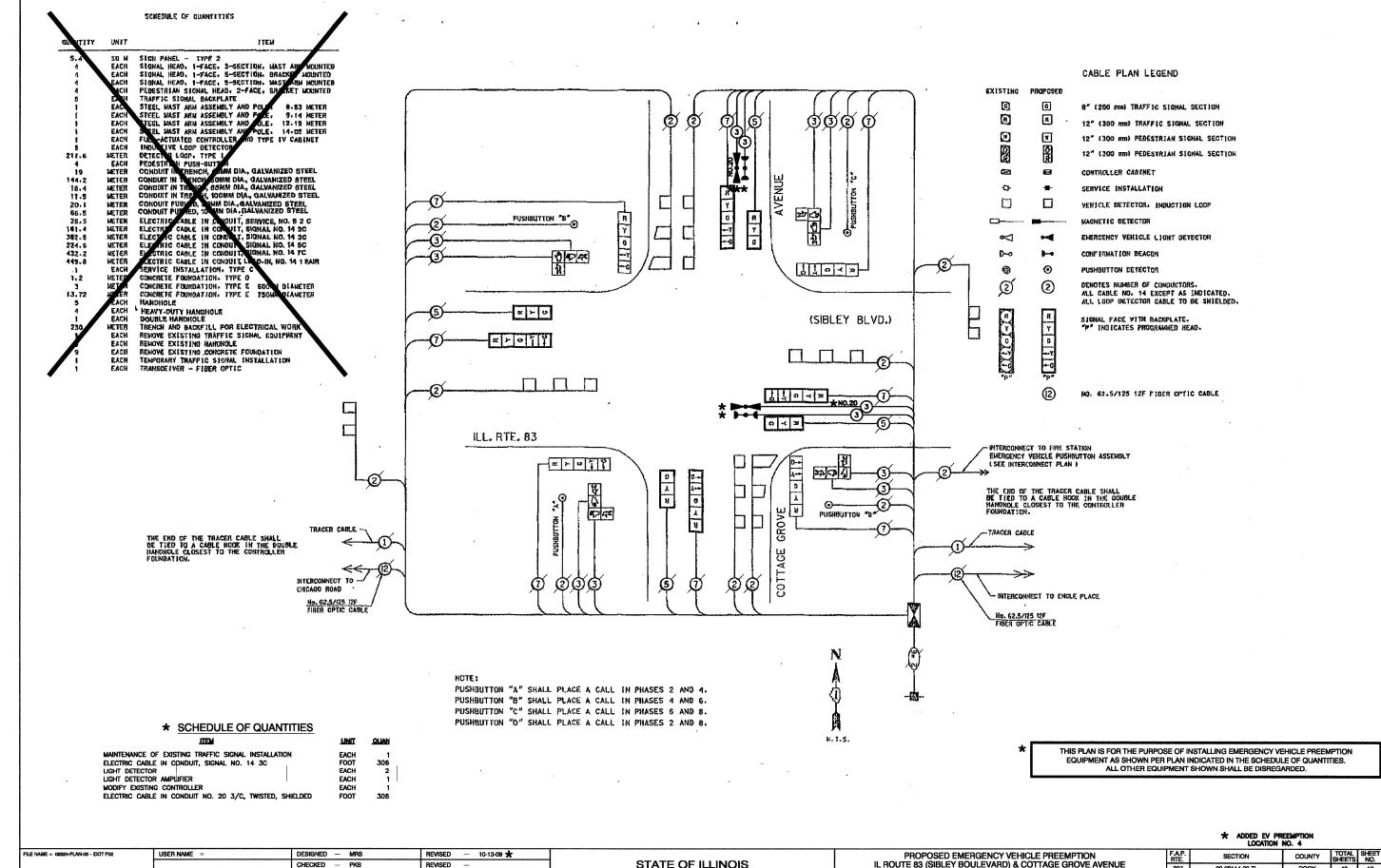












REVISED CHECKED - PKB PLOT SCALE = DRAWN --- PS REVISED PLOT DATE = 10-13-09 CHECKED -- AG REVISED

DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 (SIBLEY BOULEVARD) & COTTAGE GROVE AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, & PHASE DESIGNATION DIAGRAM SCALE: NTS SHEET NO. 12 OF 43 SHEETS STA. TO STA.

COOK 43 12 397 09-00114-00-TL CONTRACT NO. 63317

EXISTING SEQUENCE OF OPERATION

MOVEMENT	ş	ئ	٠ •	j					5 2	•								- 6 - 1				2			6		3 💠	ابر ; <u>ا</u>			:		4	1 1	1					1	. 4	ζ,				[1 1	† ‡	<u>,</u>	
PHASE		1	+ 5						2 +	5							1 +	- 6					2 +	+ 6			3	+ 7					3	+ 8	7						4 +	. 7				<u> </u>	4	8 4		7
INTERVAL	1	2	T	П	1	5	6	7.	1	,	В	94	98	10	11	12	A 1:	8	13	144	14B	15	16	17A	178	18	19	20) Z	1 2:	2 2	3 2	44	248	25	26A	268	27	28	29	A 29	B :	10 :	31A	318	32	33	34A	34B	<u>.</u>
CHANGE TO		2+5	14	6 3	+6 +7 +8 +7 +8	4	1		1+5	2	+6	14 34 34 44	7 8 7	0	1		145	2	+6	2+ 3+ 3+ 4+ 4+	7 8 7			3	1+7 1+8 1+7 1+8	1	4+7	3+	8 2+ 2+ 4+	8 \	1		3+7	,	4+8	24	F5 F6	0	1		3+7	4	+8	1+1 2+1 2+1 3+1	5	1	\setminus	1.	+5 +6 +5 +6	
L.RTE.83 E/8 FARE BONT SIGNAL	R	R	F	ī	R	G	G	7	F		G	Y	R	R	R	F	1		Я	R	R	G	G	Y	R	R	R	R	F	₹ F	3	R	R	R	8	R	R	R	R	В	R	1	R	R	Я	Я	R	R	R	1
LL. RTC. 83 E/8 FAR LEFT THE END MAST ARM SIGNALS	₽	7€	•	1	R +Y	-			Ł	0 -	•	Y	R	R	R	F	, ,	1	R	R	R	G	Ç	Υ	R	R	R	Ħ	5	₹ F	7	7	R	В	R	R	R	R	R	R	R	T	R	R	R	R	B	R	R	T
LL. ATE, 83 W/S FAS IGHT SIGNAL	R	R	ı	7	ß	R	R	1	ı		A	R	FI	G	G	,	1	1	G	۲	R	G	a	Y	R	R	R	Я	F	F		7	R	R	R	R	R	R	R	R	F	T	R	R	R	R	Я	R	R	1
LE, ATE. 83 W/B FAR LEFT HIG END MAST ARM SIGNALS	R ⊶•G	-4 Y			H TY	R	R	F	F	T	R	R	R	G -40	G		G		G •• Y	Y	R	G	G	Y	Ħ	R	R	R	F	F	1	1	Я	R	R	R	R	R	R	R	R	-	R	R	R	R	R	R	R	
OTTAGE GROVE AVE. H/8 FAR	R	R	1	1	R	R	R	F	F	7	R	R	R	R	R	1	: 1	1	FI	R	R	R	R	R	R	R	R	A	F	1 0		3	Y	R	· G	γ	R	R	R	R	ı P		R	R	R	G	G	Y	R	T
OTTAGE GROVE AVE. N/B FAR LEFT UND END MAST ARM SIGNALS	R	R	F		R	R	R	F	1	T	R	R	Я	R	R	F		1	R	п	R	R	Я	R	R	R	•	1 -	C -	Y -4		- 1	¥ G •	₽ •G	G • Y	Y	R	R	R	R	R	1	R	R	R	C	G	Υ	R	T
COTTAGE CHOVE AVE. 5/8 FAR NGHT SIGNAL	Ð	Ħ	1	٠,	В	R	R	F	۶ ۶	T	R	R	Ħ	Я	Ħ	7	1	?	R	R	Ŋ	R	R	R	R	A	R	F	F	F	₹	3	R	R	R	R	R	G	G	Y	n		G	Y	R	G	G	Y	Я	T
OTTAGE GROVE AVE S/8 FAR LEFT IND END MAST ARM SIGNALS	R	R	1	7	Я	R	Я	F	F		R	R	R	R	P	1		1	R	Я	n	Я	R	R	R	R	R 				2 1	7	Я	R	Я	R	R	6	, -		R →		G 4 Y	7	R	6	G	Y	R	
EGESTRIAN SIGNALS EROSSING ON GUITHSIDE OF COTTAGE GROVE AVE.	DW	DW	D	97	DW	#W	##F DW	0	H D	v () W	DW	DM	DW	OW	D	w 0	W E	W	О₩	DW	acte	##FL DW	DW	04	OW	DW	01	1 0	ים א	N D	w .1	DW	D₩	DW	OW	DW	DW	OW	01	r DI	N 1	WC	DW	OW	OW	DW	D₩	WG	0/
POESTRIAN SIGNALS CROSSING ON 10 SOLETION	DW	DW	D	w	DW	DW	DW	D	N 0'	A E	W	DW	DW	DW	DY	0	W D	N 1	DW/	DW	DW.	OW	OW	OW	DH	OW	DW	ים	1 0	ים א	A D	w e	W	WO	D/K	DW	OM	₩	M#F	Or	W 01	# (Ж	OW.	DW	*W	##FL DW	DW	ВW	0,
EDESTRIAN SIGNALS CROSSING ON LORTHSIDE OF COUTAGE GROVE AVE.	DW	DW	D	W	OW	DW	OM	D'	ים יא	N C	W	DW	OΑ	₩₩	**F	LO	W D	₩ (DW	DW	DW	****	MMFL DW	DW	DW	อพ	DW	וס	D	4 D	W 0	w t)W	DΝ	DW	MG	DW	DW	DW	DW	0	N 1	WC	DW	OW	DW.	DW	DW	DW	0.0
EDESTRIAN SICHALS CROSSING ON	DW	DH	D	W	DW	DW	0W	Ð	# D	1 6	W	DW	OW	OW	D%	0	W 0	H I	DA	wa	DW	DW	DW	DW	DW	DW	DW	01	1 0	W *Y	* **	FL t)#f	DW	₩W	DW	DW	Dw	DW	DW	01	, 1	DW	DW	DW	*\	**FL	OW	OW	נח

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

* ADDED EV PREEMPTI LOCATION NO. 4

FILE NAME = 09324-PLAN-06 - IDOT P03	USER NAME =	DESIGNED MRS	REVISED 10-13-09 🖈
		CHECKED PKB	REVISED —
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED AG	REVISED

P	ROPOSED E	MERGI	ENCY VEH	ICLE PRE	EMPTION	
IL ROUTE	83 (SIBLEY	BOULE	EVARD) &	COTTAGE	GROVE AVE	NUE
SEQUENCE OF	OPERATION	1 & EM	ERGENCY	VEHICLE	PRIORITY S	EQUENCE
CALE: NTS	SHEET NO. 13	OE 43	QUEETQ	STA	TO STA	**************************************

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	09-00114-00-TL	COOK	43	13
		CONTRACT	NO. 633	17
FED. RO	AD DIST, NO. 1 ILLINOIS FED.	AID PROJECT ARA	9003(336)	

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

		<u>S</u>	SEC	<u>UE</u>	NC	Έ	OF	0	PE	RA	TIO	Ν																			PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	2
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1			5					10				1	5		1	8			22				27			3	51					
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	15	1T	10	1۷	1W	1X	1Y	1Z	1AA	1AB	1AC	1AD	1AE	1AF	2	3	4	RESUME
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE INTERVAL	1B	2,3 0R 4	1D	1E	2 _{OR4}	1G	3	1J	1K	2 _{OR4}	1M	3	1P	1Q	2 _{OR4}	3	1T	2,3 OR 4	1۷	1W	2 _{0R3}	1Y	4	1AA	2 _{0R3}	4	1AD	1AE	2 _{OR3}	4				SEQUENCE
ILL. 83 E/B FAR RIGHT SIGNAL	R	R	G	Y	R	G	G	R	R	R	R	R	G	Υ	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	\$
ILL 83 E/B FAR LEFT AND END MAST ARM SIGNALS	R →Y	R	gĢ	Y	R	GG	GY	R	R	R	R	R	G	Υ	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	ဖ ှ	G	R	*
ILL 83 W/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	Υ	R	G	G	G	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	•
ILL. 83 W/B FAR LEFT AND END MAST ARM SIGNALS	R →Y	R	R	R	R	R	R	G ⊸ G	Υ	R	G G	G ₹Y	G	Υ	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	
GREENWOOD RD. N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	G	Y	R	G	R	R	G	•
GREENWOOD RD. N/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R →Y	R	GG	Y	R	₽G	G ₹Y	R	R	R	G	Υ	R	G	R	R	G	◇
GREENWOOD RD. S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Υ	R	G	G	Υ	R	G	R	R	G	~
GREENWOOD RD. S/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R →Y	R	R	R	R	R	R	Υ	R	G ⊸ G	G	Y	R	G	R	R	G	~
PEDESTRIAN SIGNALS CROSSING ON SOUTH SIDE OF GREENWOOD RD.	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	•
PEDESTRIAN SIGNALS CROSSING ON NORTH SIDE OF GREENWOOD RD.	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	*
PEDESTRIAN SIGNALS CROSSING ON EAST SIDE OF ILL. 83	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	*

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION

** FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

0 This "Walk" or Flashing "Don't Walk" interval may finish timing in the bidirectional straight through movement if the left arrow time is not sufficient to complete "Walk" or Flashing "Don't Walk" intervals.

W = "WALK"

FL = FLASHING "DON'T WALK"

DW = "DON'T WALK"

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

FIRE STATION PUSH BUTTON SHALL CALL EVP SEQUENCE 2, PREMPTOR 3.

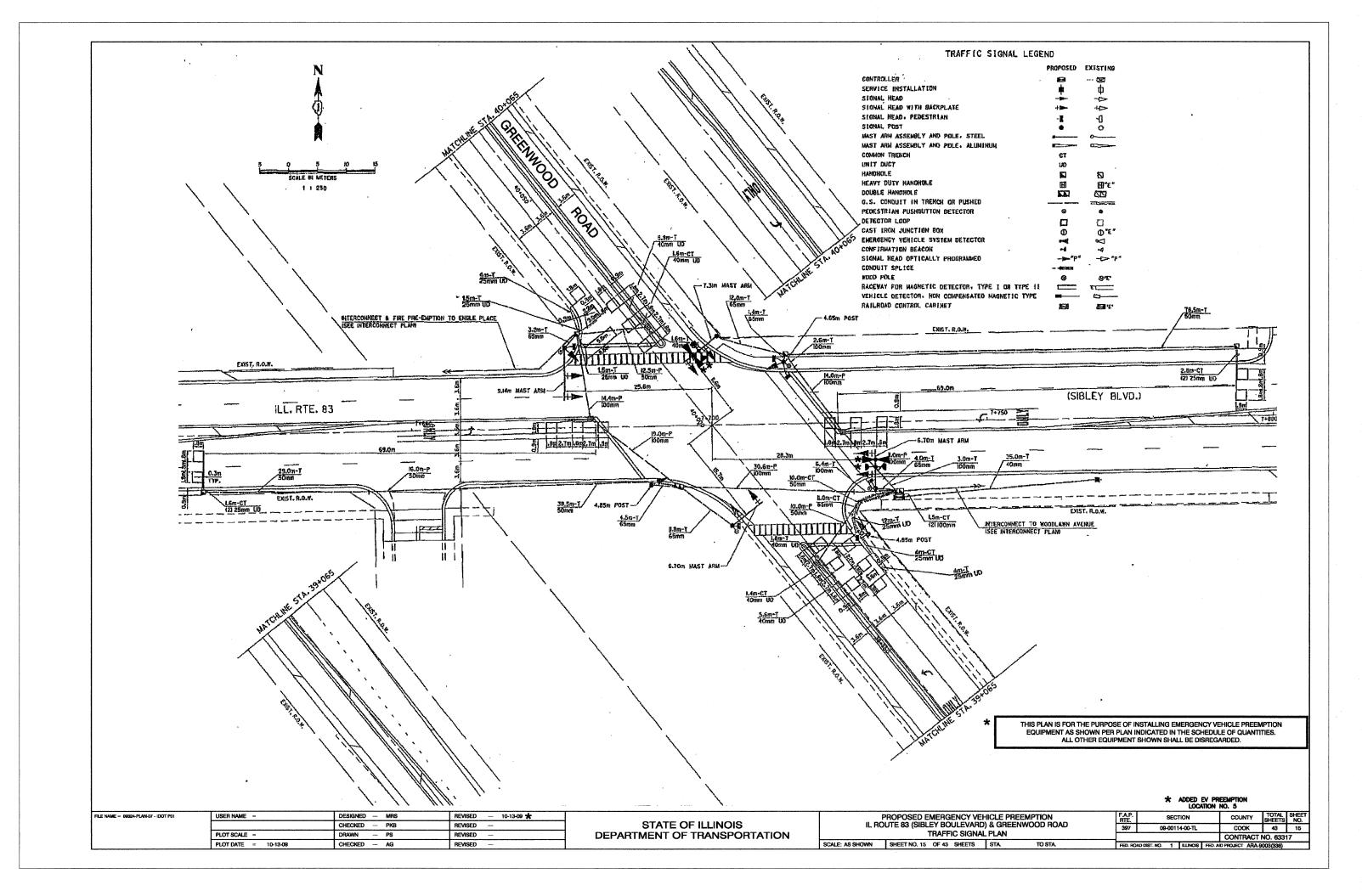
EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION ON PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2 IS TERMINATED.

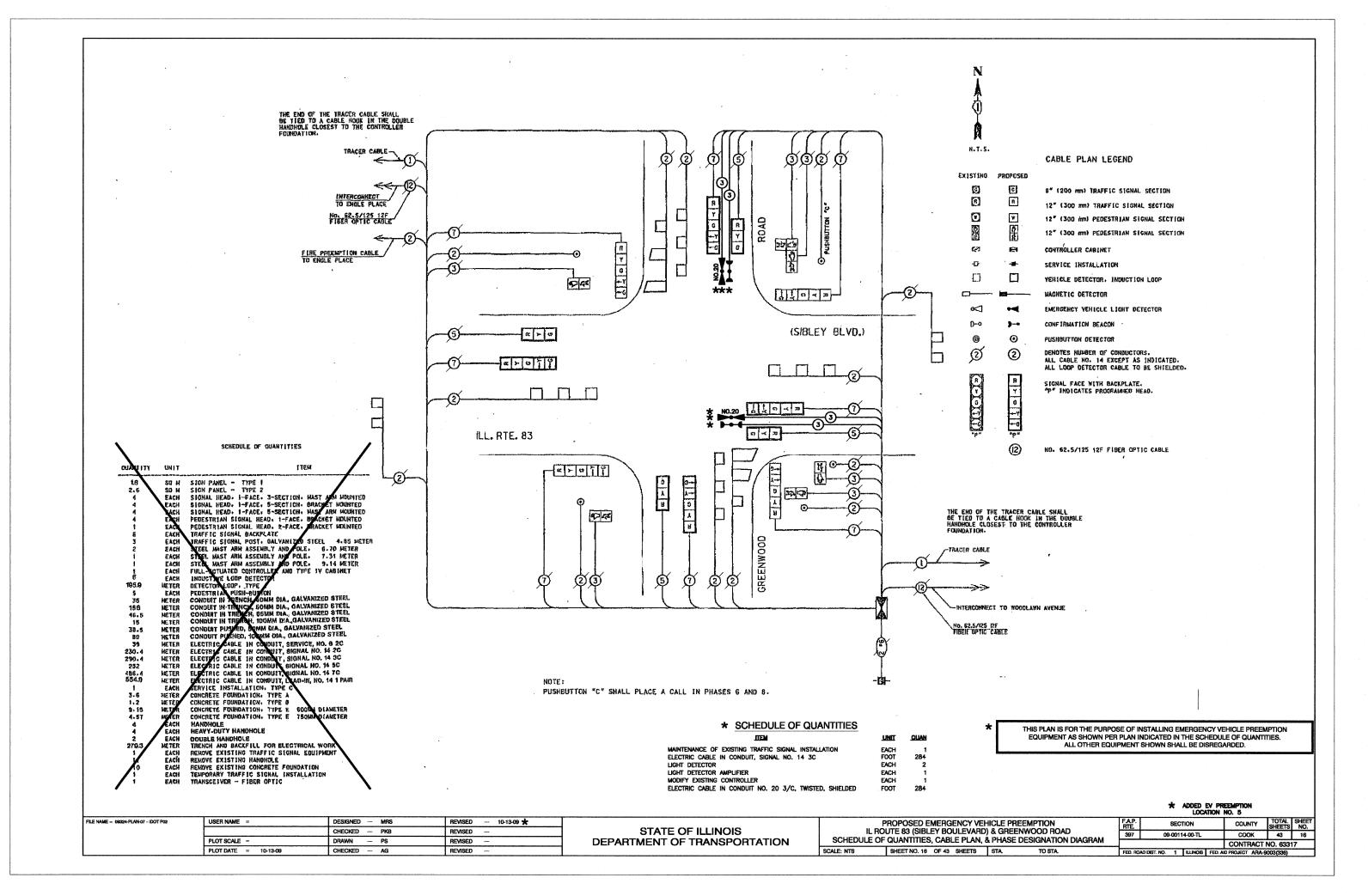
* ADDED EV PREEMPTION LOCATION NO. 4

FILE NAME = 09324-PLAN-06 - IDOT P04	USER NAME =	DESIGNED — MRS	REVISED — 10-13-09 🛧
		CHECKED — PKB	REVISED
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED AG	REVISED

Ī	P	ROPOSED E	MERG	ENCY VEH	IICLE PI	REEMPTION	
	IL ROUTE	83 (SIBLEY	BOUL	EVARD) &	COTTAC	GE GROVE AVENUE	
	SEQUENCE OF	OPERATION	N & EN	IERGENCY	/ VEHIC	LE PRIORITY SEQUENCE	
	SCALE: NTS	SHEET NO. 14	OF 43	SHEETS	STA.	TO STA.	

A.P. TE.		SEC	TION		COUN	VTY	TOTAL SHEETS	SHEET NO.
97	09	-001	14-00-TL		COC	K	43	14
					CONTR	RACTI	NO. 6331	17
D. RO	AD DIST. NO.	1	ILLINOIS	FED A	D PROJECT	ARA-9	003(336)	





EXISTING SEQUENCE OF OPERATION

12DVEMENT	5	ر.	f	- 1					5 -							,	<u></u>	•.				2					3 🛧	7			Or 1		1]	† †	^			*********		1	ζ,				1	† B	<u> </u>	
PHASE		1	+ 5		L				2 +	5							1 +	6					2 -	+ 6			3	+ 7		}			3 +	8						4 +	7				4	+ 8		
INTERVAL	1	2	3	4		5	6	7A	78	8	9	A	98	10	51	124	121	B 1	3 1	44	148	15	16	17A	178	18	19	20	21	22	23	24	248	25	26	4 26	8 2	7 2	8A 2	288	29	30A	30B	31	32	334	33	
CHANGE TO		2+5	1+6	2† 3+ 3+ 4+ 4+	7 1	0	4	,	1+5	2+6	1	1+6 3+7 3+8 4+7 4+8		0	10	,	+5	2-	+6	2+ 3+ 3+ 4+ 4+	7 8 7			4	+7 +8 +7 +8		4+7	3+8	1+5 1+6 2+5 2+6 4+8	0	0		3+7	4+1	3	1+5 1+6 2+5 2+6 4+7	1		3+7		4+8	1 2 2 3	H6 H5 H6			2	+5 +6 +5	;
ILL. RTE, B3 E/B FAR RIGHT SIGNAL	R	R	R	P		G	G	Y	R	.G	1	Y	R	R	R	R	R		R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	7	R	R		R	R	R	R	R	R	R	R	R	
NLL.RTE. 83 E/B FAR LEFT AND END MAST ARM SIGNALS	R ~≠G	P G		1 .		- 1	G ~≠G		R G - G		1 1	Y	R	R	R	R	R	1	R	R	R	¢	G	Y	R	R	R	R	R	R	R	R	R	Я	1. 8	R	R		R	R	R	R	R	R	R	A	R	1
ILL. RTE. 83 W/B FAR RIGHT SIGNAL	R	R	R	F	1	R	R	R	R	R		R	R	G	G	Y	R		c	7	R	C	G	Υ	R	R	R	FI	R	R	Я	R	R	R	F	R	R		R	R	R	R	Я	R	R	R	R	1
BL. RIE. 83 W/8 FAR LEFT AND END MAST ARM SIGNALS	R ■G	R ⊸e Y		G -		R	R	R	R	R	1	R	R	- 1	G G	Y	1 "	- 1	G • Y	Y	R	Ç	G	Y	R	R	R	R	R	R	R	R	A	R	F	R	A	1	R	R	R	R	Я	R	R	R	R	1 1
GREENWOOD RD. N/B FAR RIGHT SIGHAL	R	R	R	R		R	R	R	R	R	1	R	R	R	R	R	R	1	R	R	R	R	R	R	R	Я	Я	R	R	G	G	Y	R	G	Y	R	R	:	R	R	R	R	R	G	G	Y	R	
GREENWOOD NO. N/B FAR LEFT AND END MAST ARM SIGNALS	A	Я	Ħ	R		R	R	R	R	R	1	R	R	R	R	R.	R	1	R	R	R	R	FI	Ħ	R	R		R ⊸0	R ~Y	C ~= G	G ~ G	Y			1 0	R	Я		R	R	R	R	R	G	G	Y	R	
GREENWOOD RO, S/B FAR RIGHT SIGNAL	£.	R	R	F		R	R	R	R	R	1	R	R	R	R	R	R		R	R	Ħ	н	R	Я	R	R	-	1	R	R	R	1-			R	R	G	1	Y	R	Ç	Y	R	G	G	Υ	R	
GREENWOOD RD. S/D FAR LEFT AND END MAST ARM SIGNALS	R	R	R	A	1	R	R,	R	R	R	1	R	R	Я	R	R	R	1	R	R	R	R	R	R	R	R	R 		R 	R	R	R	R	R	R	Я	G			R = G	G ⊸s-Y	Y	R	q	G	Y	R	1
PEDESTRIAN SIGNALS CROSSING ON SOUTHSIDE OF GREENHOOD RD.	OW	DW	DW	יס	,	*W	##FL	DW	OW	DW	v 0	W	DW	DW	0₩	DW	04	0	W	DW	OW	**	W#FL	DW	ОН	DW	DW	OA	DW	DW	ЮW	DW	DA	DW	DI	OH	-	-+-				DA	OW	OW	OW	OM	01	# DA
PEDESTRIAN SIGNALS CROSSING ON NORTHSIDE OF GREENWOOD RD.	DW	DW	DW	DI		DW	DW	DW	DW	ÐW	1 0	שכ	DW	**	##FL DW	DW	OH	0	W	Q₩	0#	**	##FL DW	ÐW	DW	DA.	DW	DW	OW	DW	DW	DW	DW	DW	DY	DV	y Oy	1 0) W	DW	0#	DW	OM	Đ₩	OW	D¥	OY	y DA
PEDESTRIAN SIGNALS CROSSING ON EASTSIDE OF ILL. RTE, 83	DW	DW	DW	01	"	OW	DW	DW	DW	DW	0)\ \	UW	DW	DW	ОМ	ON	0)W	DW	DW	Ðw	OW	DW	DW	ОМ	DW	DW	04	**	ANT L	DW	DW	WG	Dy	DV	DY	0)14)W	DW	DW	DW	жΜ	DW EXET	DW	OY	r DA

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

* ADDED EV PREEMPTION LOCATION NO. 5

FILE NAME = 09324-PLAN-07 - IDOT P03	USER NAME =	DESIGNED MRS	REVISED 10-13-09 🛨
-		CHECKED PKB	REVISED
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED AG	REVISED

IL RO	•	EY BO	ULEVARD	& GRE	REEMPTION ENWOOD ROAD LE PRIORITY SEQUENCE	
SCALE: NTS	SHEET NO. 17	OF 43	SHEETS	STA.	TO STA.	

			w	UICH	NU. J			
F.A.P. RTE.		SEC	TION		COUN	TΥ	TOTAL SHEETS	
397	09	-001	14-00-TL		COO	K	43	17
					CONTR	ACT	NO. 633	7
FED. RO	AD DIST, NO.	1	ILLINOIS	FED. A	D PROJECT	ARA-	9003/336)	

PROPOSED EMERGENCY VEHICLE PREEMPTION

			EQ	UE	NC	E	OF	Ö	PE	RA		N		****																			PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	4
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1			5					10				1	5		1	8			22					27				;	32					1
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	15	1T	10	1٧	1W	1X	1Y	1Z	1AA	1AB	1AC	1AD	1AE	1AF	1AG	1AH	2	3	4	RESUME NORMAL
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE INTERVAL	1B	2,3 0R 4	1D	1E	2 _{0R4}	1G	3	1J	1K	2 _{0R4}	1M	3	1P	1Q	2 _{0R4}	3	1T	2,3 or 4	1٧	1W	2 _{0R3}	1Y	4	1AA	1AB	2 _{OR3}	1AD	4	1AF	1AG	2 OR	4			de version	SEQUENCE
ILL 83 E/B FAR RIGHT SIGNAL	R	R	G	Υ	R	G	G	R	R	R	R	R	G	Υ	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	~
ILL. B3 E/B FAR LEFT AND END WAST ARM SIGNALS	R ⊸ Y	R	ΨG	Υ	R	မှ	G ₹Y	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	•
ILL 83 W/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	Υ	R	G	G	G	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	R	~
ILL 83 W/B FAR LEFT AND END MAST ARM SIGNALS	R ⊸Y	R	R	R	R	R	R	ဖဗ္	Y	R	G ∢ G	G → Y	G	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	GG	G	R	*
COTTAGE GROVE AVE. N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	R	G	~
COTTAGE GROVE AVE. N/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R → Y	R	GG	Υ	R	GG	↓	R	R	R	R	R	G	Y	R	G	R	R	G	~
COTTAGE GROVE AVE. S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Υ	R	G	G	G	Υ	R	G	R	R	G	◇
COTTAGE GROVE AVE. S/B FAR LEFT AND END MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R →Y	R	R	R	R	R	R	GĢ	Υ	R	G ⊸G	G ₹Y	G	Y	R	G	R	R	G G	*
PEDESTRIAN SIGNALS CROSSING ON SOUTH SIDE OF COTTAGE GROVE AVE.	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	•
PEDESTRIAN SIGNALS CROSSING ON WEST SIDE OF ILL. 83	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	FL	DW	DW	FL	DW	DW	DW	
PEDESTRIAN SIGNALS CROSSING ON NORTH SIDE OF COTTAGE GROVE AVE.	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	\$
PEDESTRIAN SIGNALS CROSSING ON EAST SIDE OF ILL. 83	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	DW	FL DW	DW	FL DW	DW	DW	FL DW	DW	DW	DW	~

- * TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION
- ** Flashing "don't walk" is to terminate at the completion of the pedestrian interval clearance.
- THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.
- W = "WALK"

FL = FLASHING "DON'T WALK"

DW = "DON'T WALK"

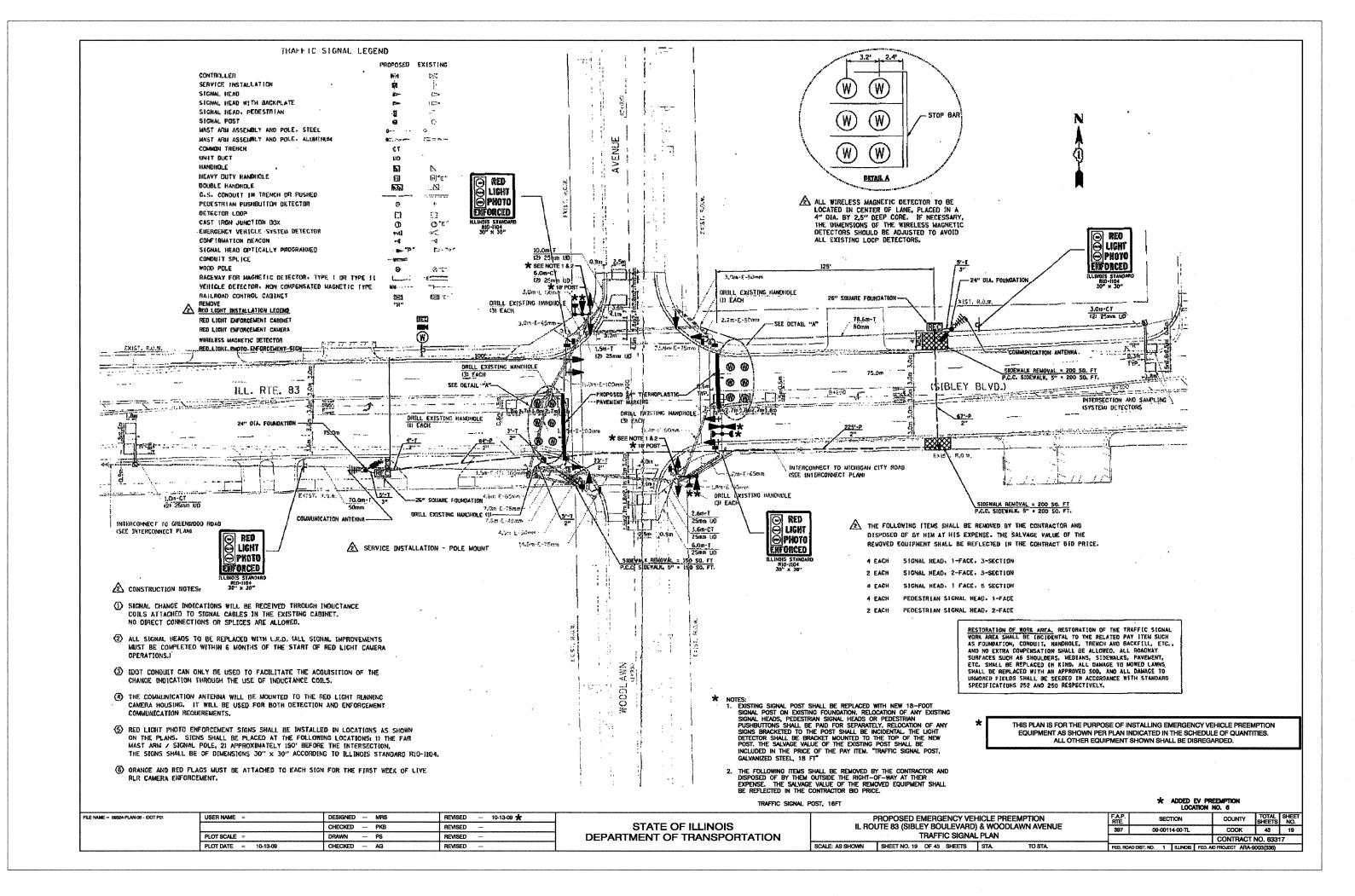
THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

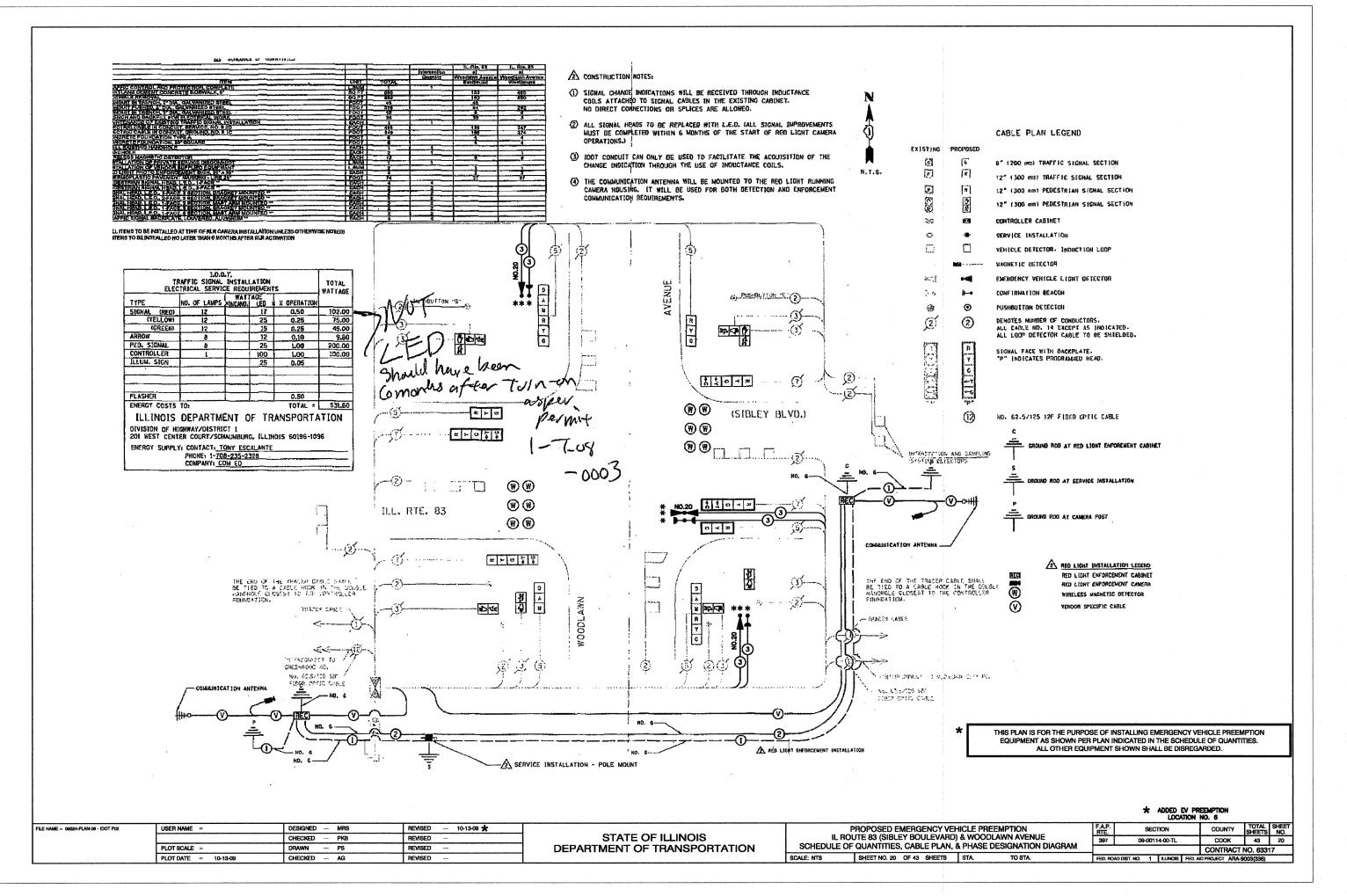
EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION ON PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2 IS TERMINATED.

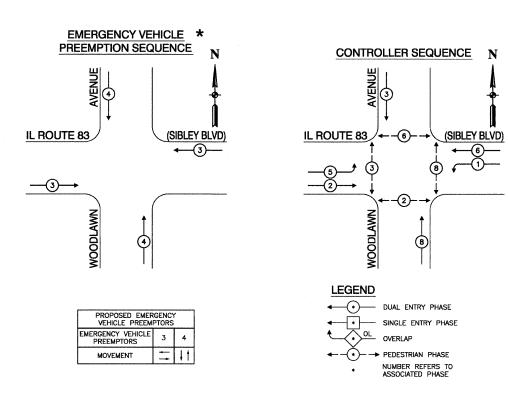
FIRE STATION PUSH BUTTON SHALL CALL EVP SEQUENCE 2, PREMPTOR 3.

* ADDED EV PREEMPTION LOCATION NO. 5

FILE NAME == 09324-PLAN-07 - IDOT P04	USER NAME =	DESIGNED — N	IRS	REVISED 10-13-09 🜟			PROPOSED EMERGENCY VEH		F.A	A.P. SECTIO	ION	COUNTY	TOTAL S	SHEET
		CHECKED F	КВ	REVISED —	STATE OF ILLINOIS		OUTE 83 (SIBLEY BOULEVARD	,	39	97 09-00114-	1-00-TL	COOK	43	18
	PLOT SCALE =	DRAWN F	s	REVISED	DEPARTMENT OF TRANSPORTATION	SEQUENCE O	OF OPERATION & EMERGENC	Y VEHICLE PRIORITY SEQUE	NCE			CONTRACT	NO. 63317	_
	PLOT DATE = 10-13-09	CHECKED — A	.G	REVISED —		SCALE: NTS	SHEET NO. 18 OF 43 SHEETS	STA. TO STA.	FEI	D. ROAD DIST. NO. 1 II	ILLINOIS FED. A	PROJECT ARA-9	003(336)	







<u>ITEM</u>	UNIT	QUAN
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	515
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	4
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN PUSH—BUTTON	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	515
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT	EACH	2

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

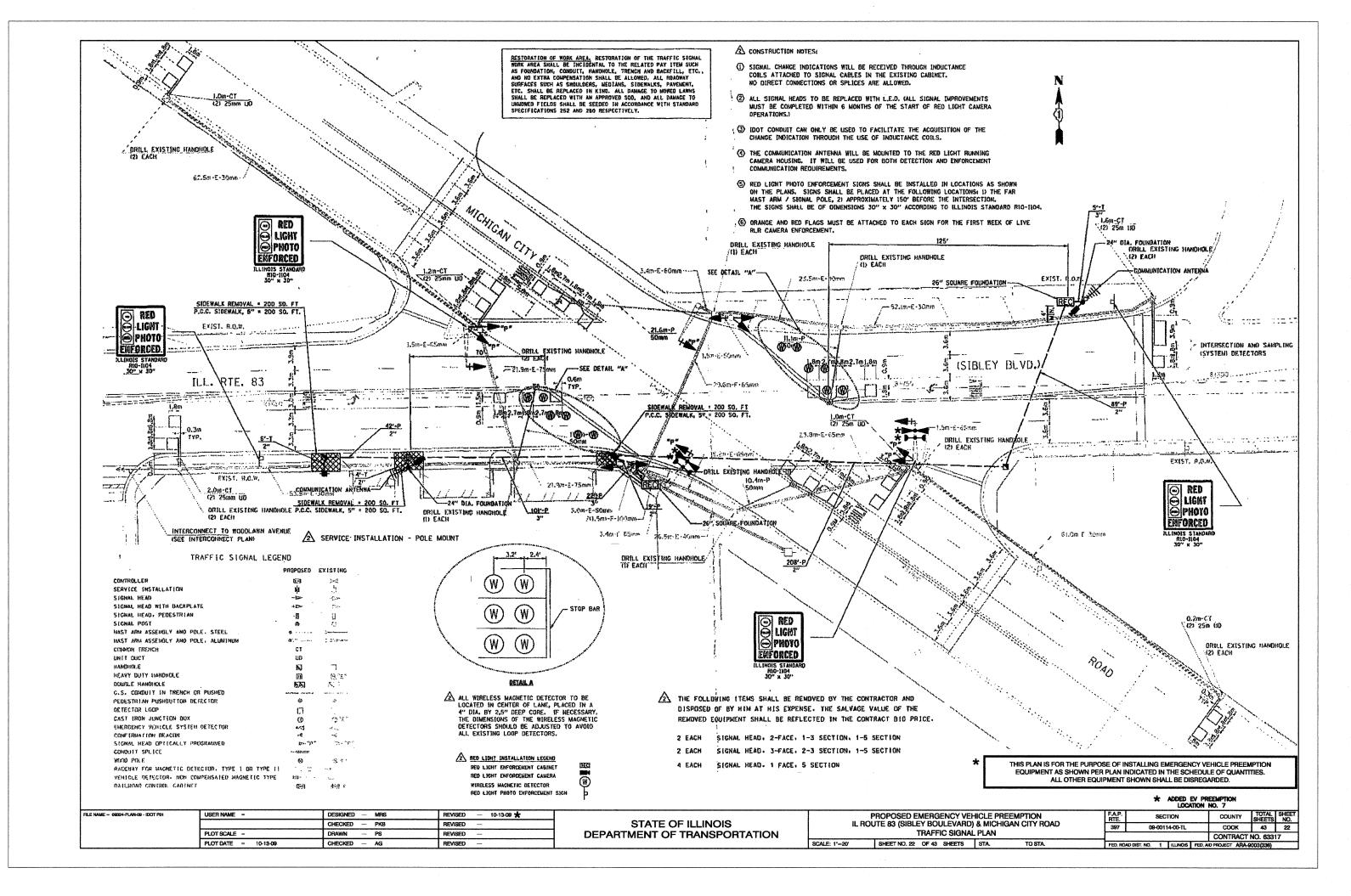
* ADDED EV PREEMPTION LOCATION NO. 6

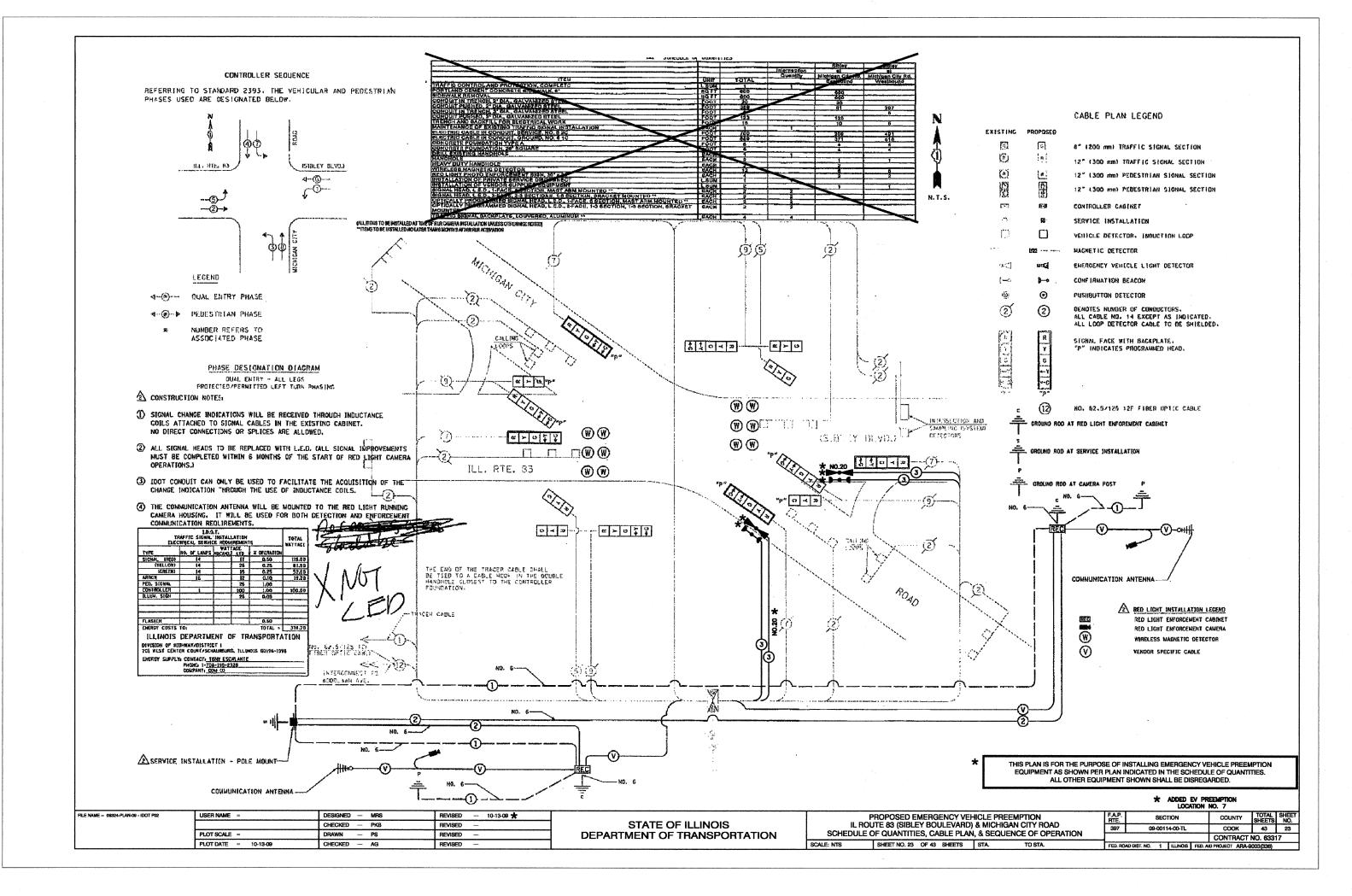
FILE NAME = 09324-PLAN-08 - IDOT P03	USER NAME **	DESIGNED MRS	REVISED 10-13-09 *
		CHECKED PKB	REVISED —
	PLOT SCALE =	DRAWN PS	REVISED —
	PLOT DATE = 10-13-09	CHECKED AG	REVISED —

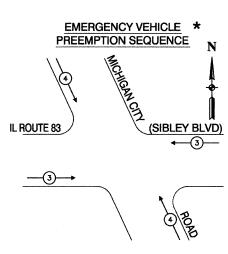
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION	F
IL ROUTE 83 (SIBLEY BOULEVARD) & WOODLAWN AVENUE	П
SCHEDULE OF QUANTITIES, CABLE PLAN, & PHASE DESIGNATION DIAGRAM	H

SCALE: NTS SHEET NO. 21 OF 43 SHEETS STA. TO STA.







PROPOSED EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTORS	3	4				
MOVEMENT	1 1	11				

	UNIT	QUAN
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	417
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	417

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

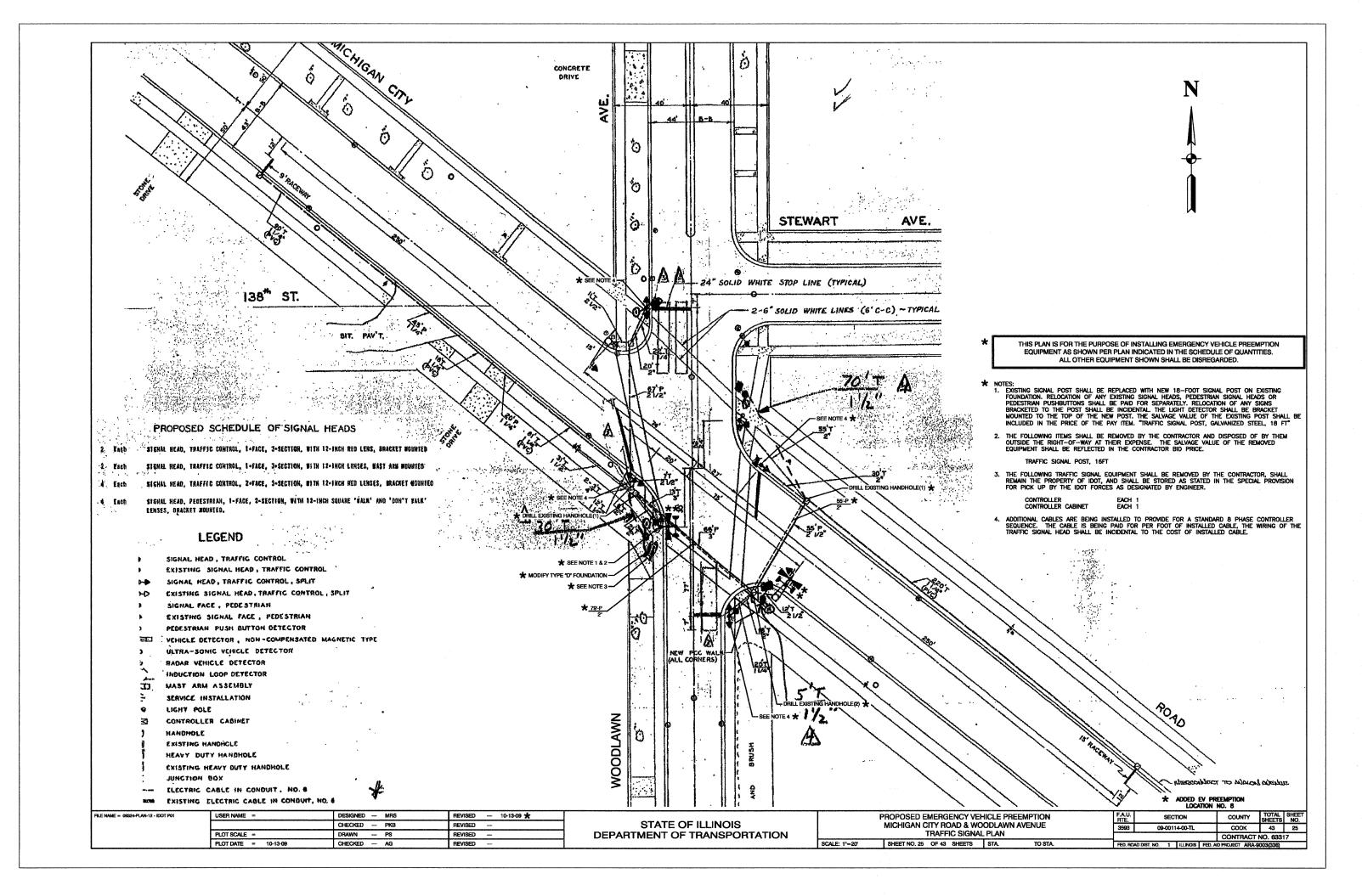
* ADDED EV PREEMPTION LOCATION NO. 7

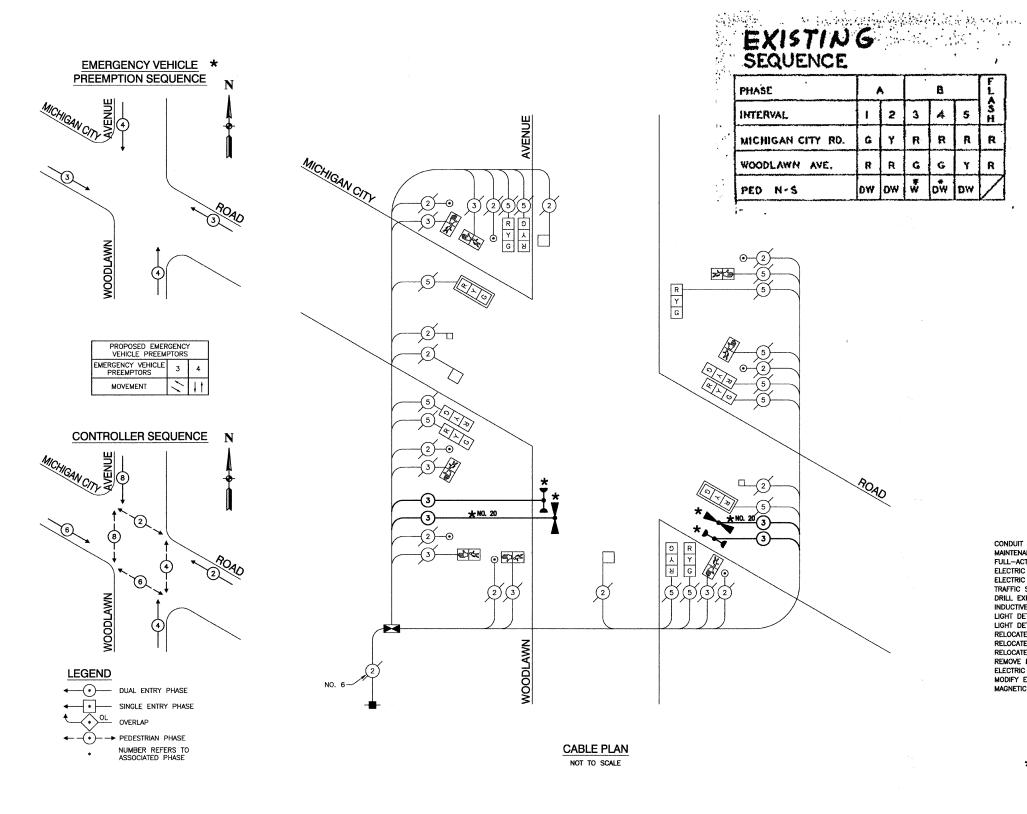
FILE NAME = 09324-PLAN-09 - IDOT P03	USER NAME =	DESIGNED MRS	REVISED — 10-13-09 🛨
		CHECKED — PKB	REVISED
	PLOT SCALE ∞	DRAWN — PS	REVISED
	PLOT DATE = 10-13-09	CHECKED AG	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION
IL ROUTE 83 (SIBLEY BOULEVARD) & MICHIGAN CITY ROAD
SCHEDULE OF QUANTITIES, CABLE PLAN, & SEQUENCE OF OPERATION

SCALE: NTS SHEET NO. 24 OF 43 SHEETS STA. TO STA.





CABLE PL	AN LEGEND
PROPOSED	
G	8" TRAFFIC SIGNAL SECTION
R	12" TRAFFIC SIGNAL SECTION
w	12" PEDESTRIAN SIGNAL SECTION
<u> </u>	12" PEDESTRIAN SIGNAL SECTION
	CONTROLLER CABINET
В	UNINTERRUPTIBLE POWER SUPPLY
-	SERVICE INSTALLATION
	TELEPHONE CONNECTION
	MAGNETIC DETECTOR
>	EMERGENCY VEHICLE LIGHT DETECTOR
)	CONFIRMATION BEACON
•	PUSHBUTTON DETECTOR
	MAGNETIC DETECTOR
	VEHICLE DETECTOR, INDUCTION LOOP
2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
R Y G *Y *G	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD
1	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
24)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
	PROPOSED G R B G R C C C C C R C C C R C C

	UNIT	QUAN
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	150
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	159
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	548
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
DRILL EXISTING HANDHOLE	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	3
LIGHT DETECTOR	EACH	. 2
LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	159
MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
MAGNETIC DETECTOR AMPLIFIER	EACH	2

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES.
ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

* ADDED EV PREEMPTION LOCATION NO. 8

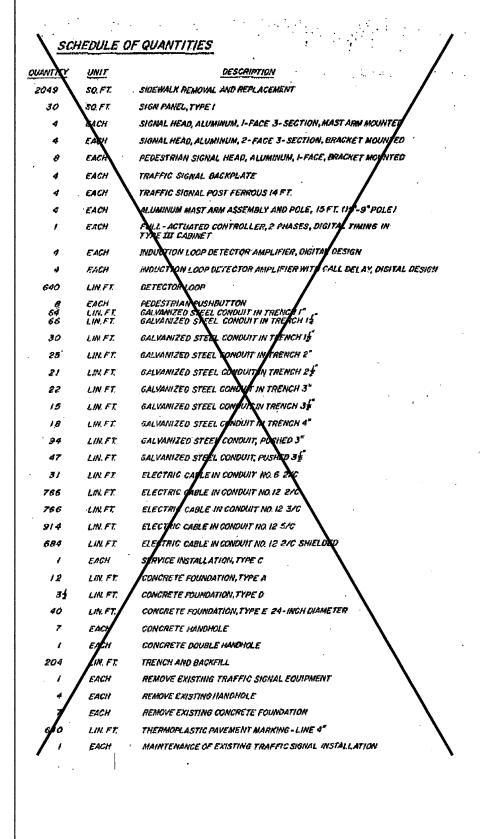
SECTION

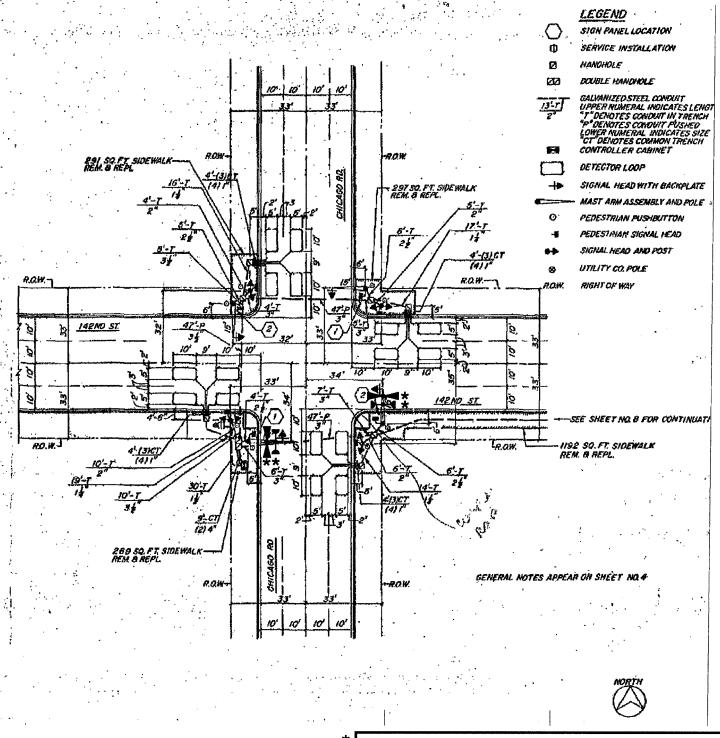
COUNTY TOTAL SHEET NO.

COOK 43 26

CONTRACT NO. 63317

FILE NAME = 09324-PLAN-12 - IDO1 P02	USEH NAME =	DESIGNED MHS	REVISED 10-13-09 🛪	<u>.</u>	1	PROPOSED EMERGENCY VEH	ICLE PREF	:MPTION					
		CHECKED PKB	REVISED			STATE OF ILLINOIS MICHIGAN CITY ROAD & WOODLAWN AVENUE							
	PLOT SCALE =	DRAWN PS	REVISED	DEPARTMENT OF TRANSPORTATION	SCHEDULE OF	QUANTITIES, CABLE PLAN, 8	A PHASE DI	ESIGNATION DIAGRAM					
	PLOT DATE = 10-13-09	CHECKED AG	REVISED —		SCALE: 1"=20'	SHEET NO. 26 OF 43 SHEETS	STA.	TO STA.					





THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

ADDED EV PREEMPTION LOCATION NO. 9

FILE NAME = 09324-PLAN-18 - IDOT P01	USER NAME =	DESIGNED MRS	REVISED 10-13-09 🜟
		CHECKED — PKB	REVISED —
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED — AG	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'

P	ROPOSED EM	IERGENCY V	EHICLE PR	EEMPTION	
	142ND !	STREET & C	HICAGO BO	DAD	
		RAFFIC SIGN			
	SHEET NO. 27	OF 43 SHEETS	STA.	TO STA.	

F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.				
599/2921	21 09-00114-00-TL		COOK 43						
CONTRACT NO. 63317									
EED DO	TO POAD DIST, NO. 4 THE MOST TEN AD COOKER, ADA COOK COM								

PROPOSED SEQUENCE OF OPERATION

200

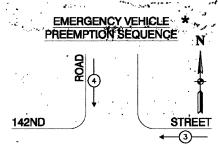
PHASE		2		4				Fla	
MOVEMENT	1111								
INTERVAL	*,	2	3	4	"5	6	7	8	
CHANGE TO		Z	4	! !	/	Z		?	
CHICAGO AVE. SIGNALS	6	6	r	R	R	R	R	R	R
142 NO ST. SIGNALS	R	ĸ	A	R	6	G	r	R	R
PEDESTRIAN SIGNALS AGROSS 142 ND ST.	W	Pla. OW	OW	DW	DW	OW	OW	DW	DAR
PEUESTRIAN SIGNALS ACROSS CHICAGO RD.	Dat	OW.	OW	OH	w	FIO. DW	OW	OW	DATE

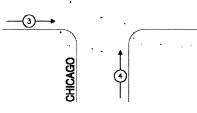
PHASES 2 B 4 SHALL HAVE NON-LOCKING MEMORY

- N TO APPEAR ON PEDESTRIAN ACTUATION ONLY
- ** FLASHING "DON'T WALK" SHALL TERMINATE AT COMPLETION OF PEDESTRIAN CLEARANCE INTERNAL. A STEADY "DON'T WALK" SHALL APPEAR IN THE ABSENCE OF PEDESTRIAN ACTUATION.

GENERAL NOTES

- I- ALL DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS AS RECOMMENDED BY THE MANUFACTURER DETECTOR LOOPS AND LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS RECOMMENDATIONS.
- 2- THE 2/C NO. 12 SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP LEAD-IN SHALL BE MEASURED FROM THE SPLICE TO THE CONTROLLER AS SPECIFIED IN SECTION T421,04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS EXCEPT NO SLACK SHALL BE ALLOWED THE DETECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAW CUT BEYOND THE SPLICE AS SPECIFIED IN SECTION T418,04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS FLAT CABLE WILL NOT BE PERMITTED.
- 3- ALL POST MOUNTED SIGNALS SHALL BE BRACKET MOUNTED.
- 4- ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYCHLORIDE JACKET, UNLESS OTHERWISE SPECIFIED.
- 5- THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVE WAY, MEDIAN AND ISLAND SURFACE PAYING AT HANDHOLES, JACKING PITS, INSPECTION OFENINGS AND CONCRETE JUNCTION BOXES SHALL BE INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE REPLACEMENT SHALL BE MADE WITH A LIKE MATERIAL OF ALIKE THICKNESS TO THE EXISTING SURFACE.





USER NAME ==

PLOT SCALE =

PLOT DATE = 10-13-09

FILE NAME - 08924-PLAN-13 - IOOT PO

	164		
2.	**************************************		
	PROPOSED EMER VEHICLE PREEM		
	EMERGENCY VEHICLE PREEMPTORS	3	4
	MOVEMENT		↓ 1

CHECKED - AG

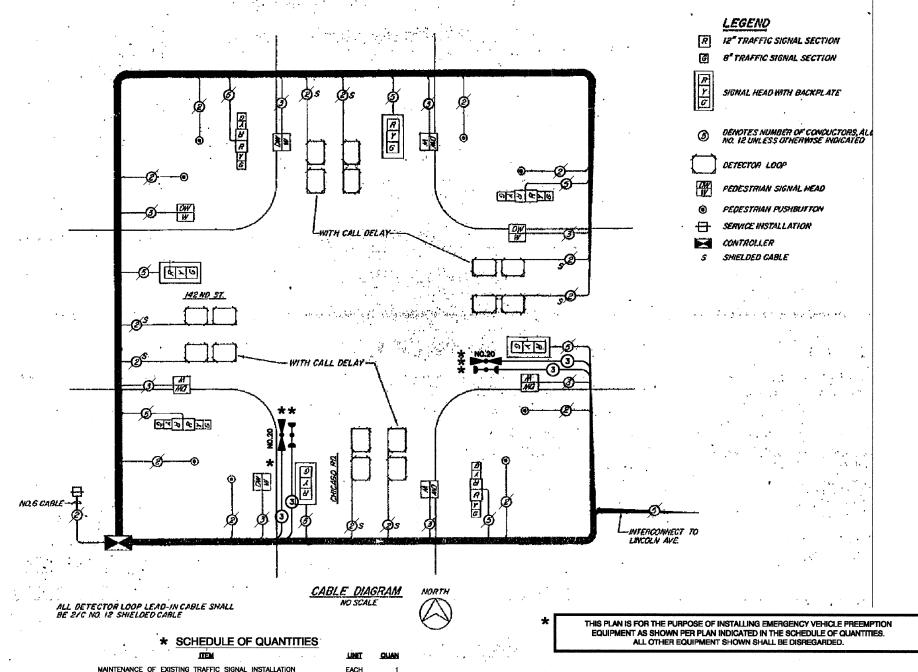
The state of the state of the

PROPOSED SCHEDULE OF TRAFFIC SIGNAL HEADS

EACH SIGNAL HEAD, ALUMINUM, 2-FACE, 3-SECTION WITH 12" RED LENSES, BRAC

EACH SIGNAL HEAD, ALUMINUM, I-FACE, 3-SECTION WITH IZ LENSES, MAST ARI

EACH PEDESTRIAN SIGNAL HEAD, ALLIMINUM, I-FACE, 2-SECTION WITH 12" LENSES, BRACKET MOUNTED



192

EACH

EACH EACH FOOT

DESKRIED - MRS REVISED - 10-13-09 **

CHECKED - PKB REVISED -

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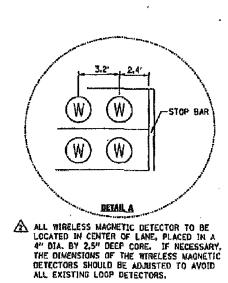
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED

ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C

LIGHT DETECTOR
LIGHT DETECTOR AMPLIFIER
MODIFY EXISTING CONTROLLER

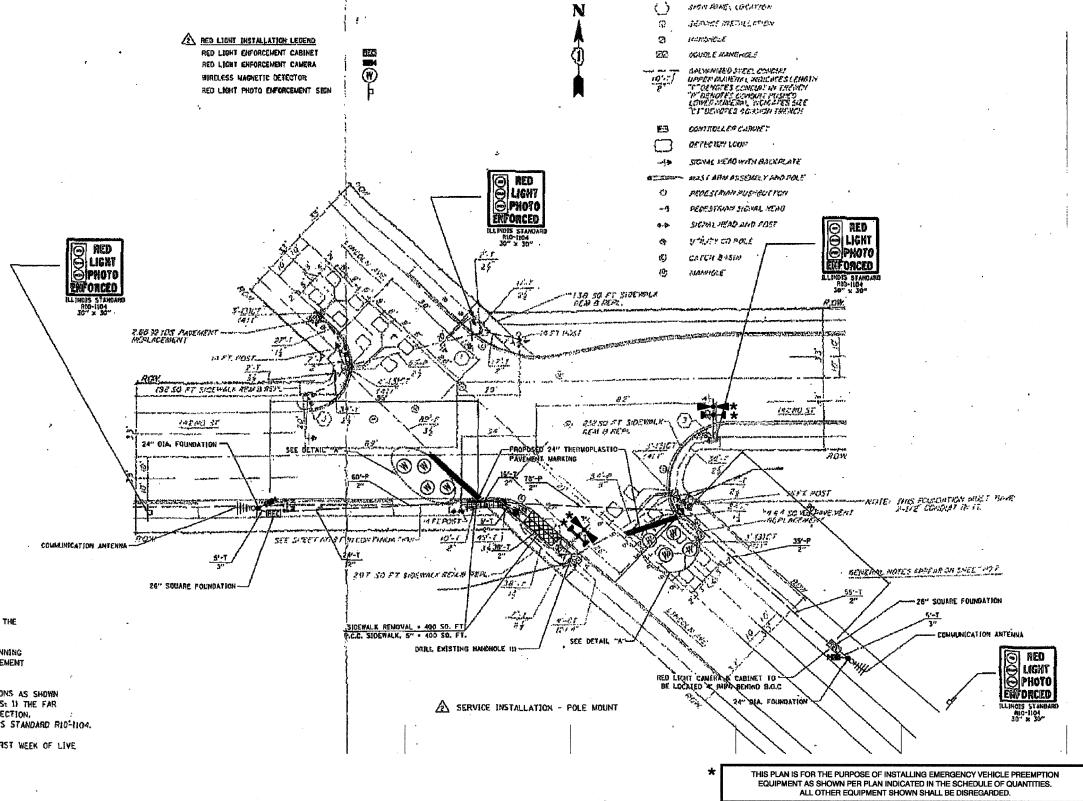
PROPOSED EMERGENCY VEHICLE PREEMPTION
142ND STREET & CHICAGO ROAD
SCHEDULE OF QUANTITIES, CABLE PLAN, & SEQUENCE OF OPERATION
SCALE: NTS SHEET NO. 28 OF 43 SHEETS STA. TO STA.



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, COMBILT, HAMBROLE, TRENCH AND BACKFILE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLONED. ALL RDADWAY SURFACES SUCH AS SHOULDERS. MEDIANS, SIDEWALKS, PAYEMENT, ETC. SMALL BE REPLACED IN KIND. ALL BAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOVED FIELDS SHALL BE SECRED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

A CONSTRUCTION NOTES

- (I) SIGNAL CHANGE INDICATIONS WILL BE RECEIVED THROUGH INDUCTANCE COILS ATTACHED TO SIGNAL CABLES IN THE EXISTING CABINET. NO DIRECT CONNECTIONS OR SPLICES ARE ALLOWED.
- (2) IDOT CONDUIT CAN ONLY BE USED TO FACILITATE THE ACQUISITION OF THE CHANGE INDICATION THROUGH THE USE OF INDUCTANCE COILS.
- (3) THE COMMUNICATION ANTENNA WILL BE MOUNTED TO THE RED LIGHT RUNNING CAMERA HOUSING. IT WILL BE USED FOR BOTH DETECTION AND ENFORCEMENT COMMUNICATION REQUIREMENTS.
- (4) RED LIGHT PHOTO ENFORCEMENT SIGNS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE PLANS. SIGNS SHALL BE PLACED AT THE FOLLOWING LOCATIONS: 1) THE FAR MAST ARM / SIGNAL POLE, 2) APPROXIMATELY 150' BEFORE THE INTERSECTION, THE SIGNS SHALL BE OF DIMENSIONS 30" x 30" ACCORDING TO ILLINOIS STANDARD RIO-1104.
- (5) ORANGE AND RED FLAGS MUST BE ATTACHED TO EACH SIGN FOR THE FIRST WEEK OF LIVE RLR CAMERA ENFORCEMENT.



SCALE: 1"=20"

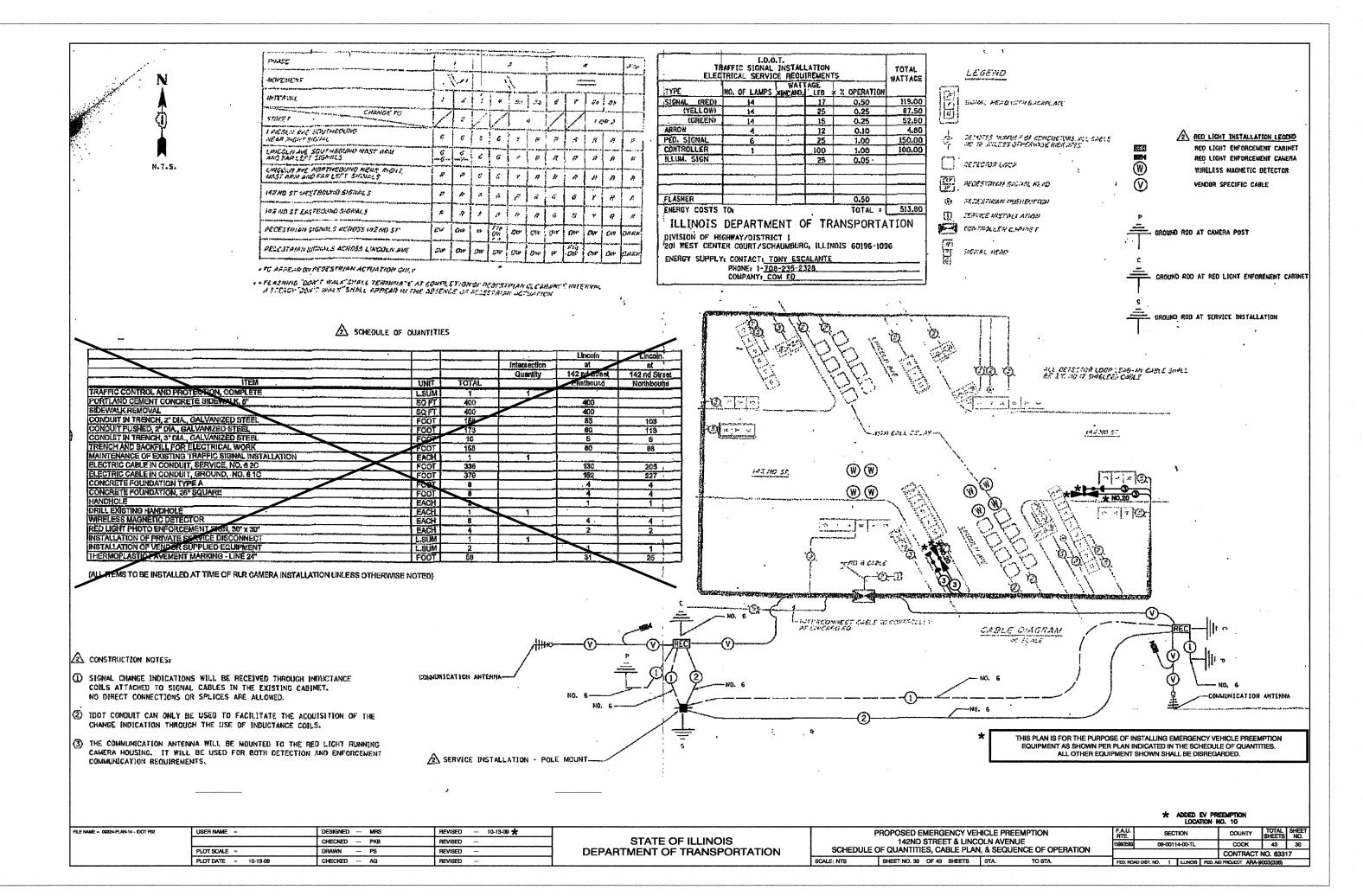
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		CHECKED PKB	REVISED
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED AG	REVISED

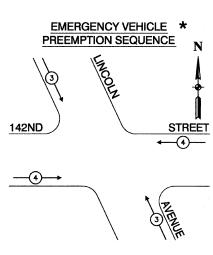
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION
142ND STREET & LINCOLN AVENUE
TRAFFIC SIGNAL PLAN
SHEET NO. 29 OF 49 SHEETS STA. TO STA.

ADDED EV PREEMPTION LOCATION NO. 10

| FAUL | SECTION | COUNTY | SHEETS | NO. |
| 1998/9999 | 09-00114-00-TL | COOK | 43 | 29 |
| CONTRACT NO. 63317
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | ARA-9003(3398)





PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	
MOVEMENT	11	11	

	UNIT	CUAN
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	255
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	255

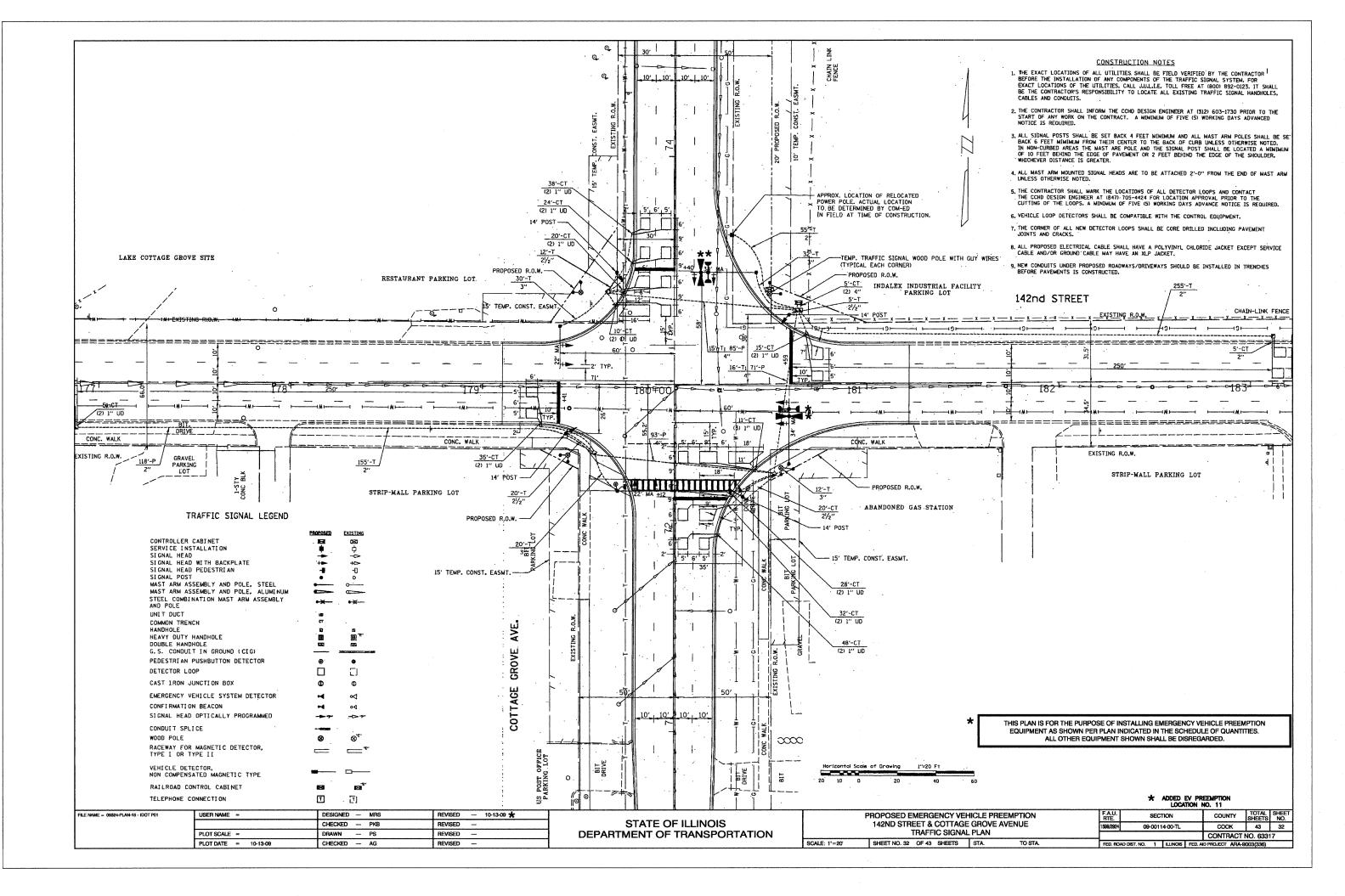
THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

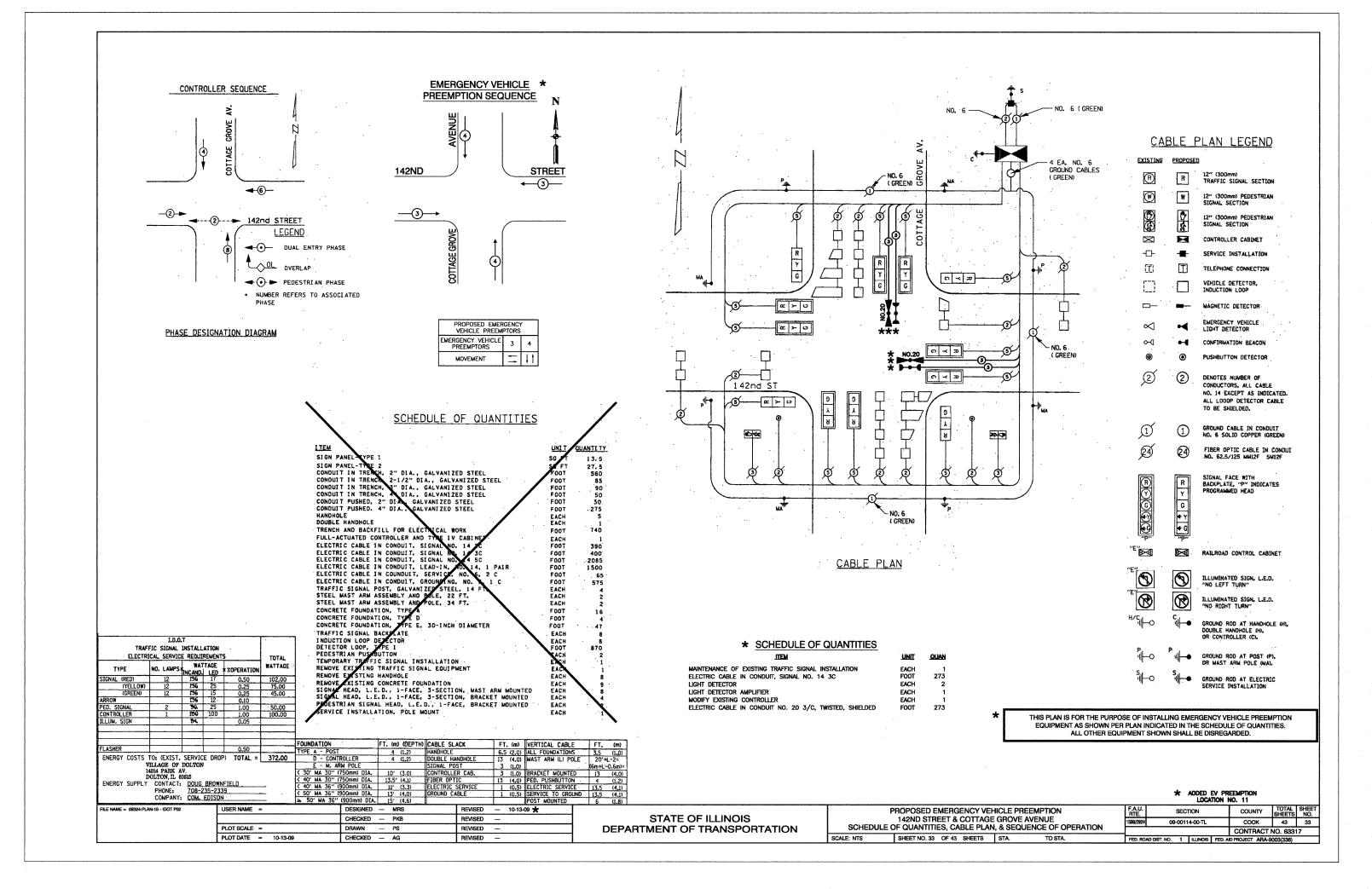
* ADDED EV PREEMPTION LOCATION NO. 10

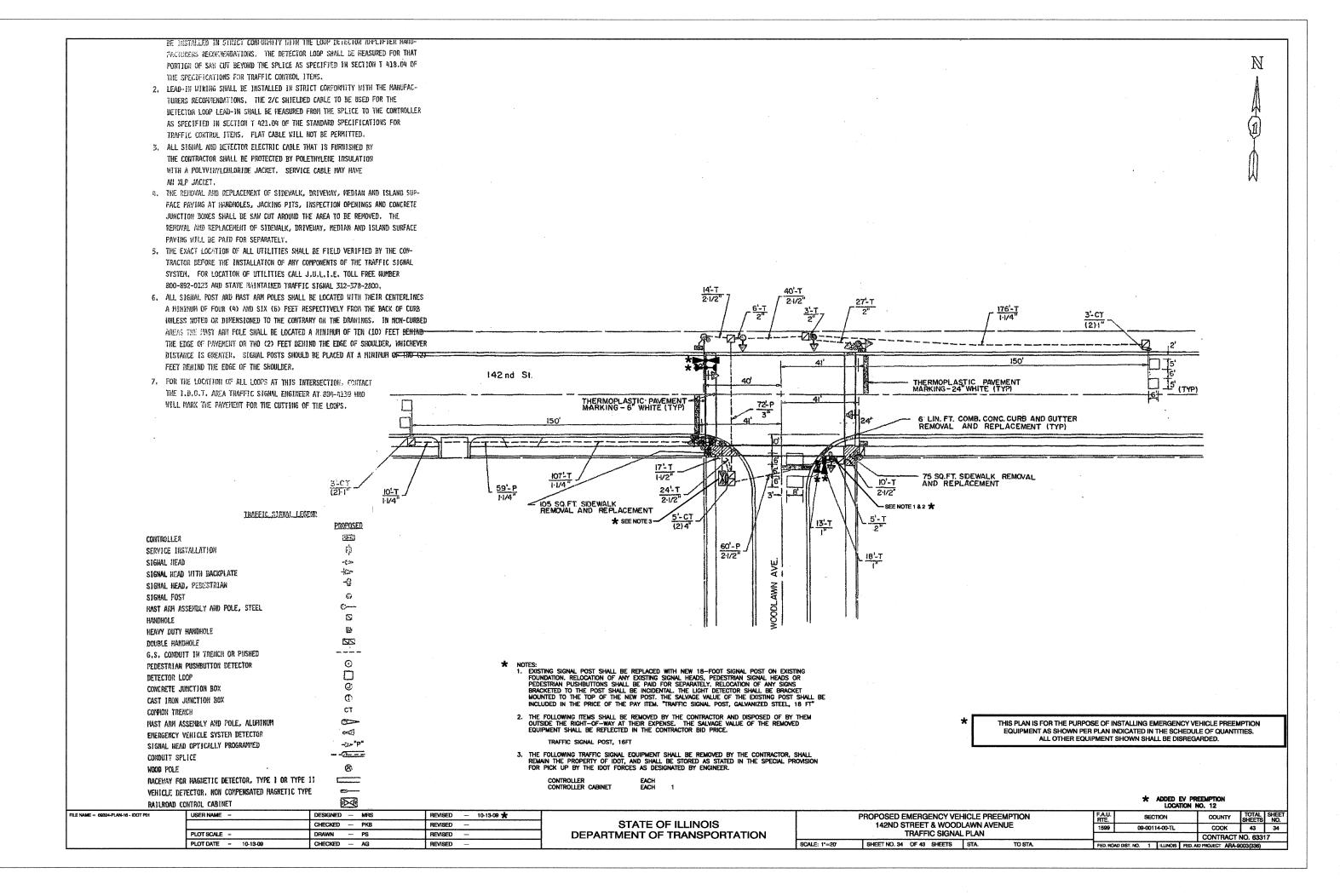
FILE NAME = 09324-PLAN-14 - IDOT P03	USER NAME =	DESIGNED		MRS	REVISED	_	10-13-09 🛨
		CHECKED		PKB	REVISED	_	
	PLOT SCALE =	DRAWN	_	PS	REVISED		
	PLOT DATE = 10-13-09	CHECKED	_	AG	REVISED	_	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION
142ND STREET & LINCOLN AVENUE
SCHEDULE OF QUANTITIES, CABLE PLAN, & SEQUENCE OF OPERATION
SCALE: NTS SHEET NO. 31 OF 43 SHEETS STA. TO STA.

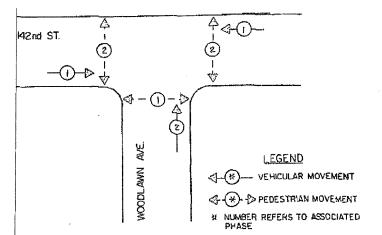






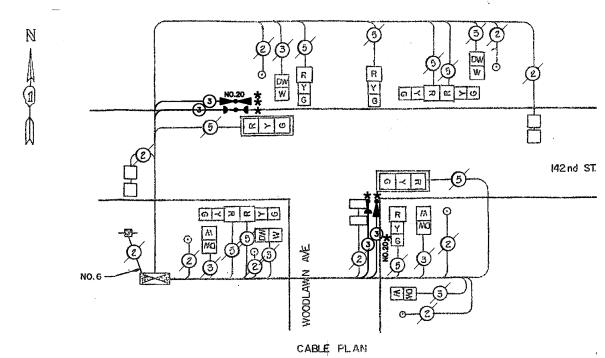
CONTROLLER SEQUENCE I

REFERRING TO STANDARD 2393, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW.



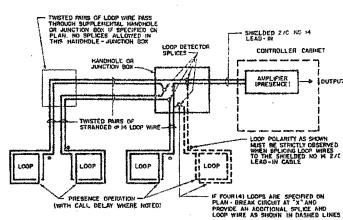
PHASE DESIGNATION DIAGRAM

5FTY-16	si si	IPMARY OF GUANTITIES				
DISHTITY	IIIII					
10	SQ. FT.	SIGN PANEL TYPE 1	T42009	10	LIN. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 4"
3	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE; 3-SECTION,	T42013	59	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 1-1/4"
		BRACKET MOUNTED	T42016	60	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 2-1/2"
2	EACH	SIGNAL HEAD, ALUAINUM, 1-FACE, 3-SECTION,	T42017	72	LIN. FT.	GALVANIZED STEEL CONDUIT, PUSHED 3"
		HAST ARH HOURTED .	T42124	18	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 6 2/C
2	EACH	SIGNAL HEAD, ALUMINUM, 2-FACE, 3-SECTION,	T42142	558	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 2/C
		BRACKET MOUNTED	T421A5	558	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 3/C
4	EACH	PEDESTRIAN SIGNAL HEAD, ALBEINUM, 1-FACE,	T421A1	1022	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 5/C
		BRACKET MOUNTED	T42184	608	LIN. FT.	ELECTRIC CABLE IN CONDUIT NO. 14 2/C SHIELDED
1	EACH	PEDESTRIAN SIGNAL HEAD, ALUACHUM, 2-FACE,	T42605	1	EACH	SERVICE INSTALLATION, TYPE C
		BRACKET POUNTED	T42701	15	LIN. FT.	CONCRETE FOUNDATION, TYPE A
2	EACH	TRAFFIC SIGNAL BACKPLATE	T42702	3,5	LIN. FT.	CONCRETE FOUNDATION, TYPE D
5	EACH	TRAFFIC SIGNAL POST, FERROUS 14 FT.	T42703	20	LIN. FT.	CONCRETE FOUNDATION, TYPE E 24-INCH DIAMETER
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 22 FT.	T42804	5	EACH	CONCRETE HANDHOLE
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.	T42806	1	EACH	CONCRETE DOUBLE HANDHOLE
1	EACH	FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE 1,	T43001	471	LIN. FT.	TRENCH AND BACKFILL
_		2 PHASES, IN TYPE IV CABINET	T50104	253	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
2	EACH	INDUCTION LOOP DETECTOR AMPLIFIER, DIGITAL DESIGN	T50107	56	LIN. FT.	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
1	EACH	INDUCTION LOOP DETECTOR AMPLIFIER WITH CALL DELAY,	617017	36	LIN. FT.	COMBINATION CONCRETE CURB AND GUTTER REMOVAL
		DISITAL DESIGN				AND REPLACEMENT
250	LIN. FT.	DETECTOR LOOP	617046	180	SQ. FT.	SIDEWALK REMOVAL AND REPLACEMENT
6	EACH	PEDESTRIAN PUSHBUTTON	X04748	1	L. SUM	MOBILIZATION
43	LIR. FT.	GALVANIZED STEEL CONDUIT IN TRENCH 1"				
293		GALVANIZED STEEL COMDUIT IN TRENCH 1-1/4"	•			•
17	LIN. FI.	GALVANIZED STEEL CONDUIT IN TRENCH 1-1/2"				



SCHEDULE OF SIGNAL HEADS

- 3 EACH SIGNAL NEAD, ALUMINUM, 1-FACE, 3-SECTION NITH 12" NEW LENS.
 BRACKET MOUNTED
- 2 EACH SIGNAL HEAD, ALUMINUM, 1-FACE, 3-SECTION WITH 12" LENSES, MAST ARM MOUNTED
- 2 EACH SIGNAL HEAD. ALUMINUM, 2-FACE, 3-SECTION WITH 12" NED LERSES.
 BRACKET NOUNTED
- 4 EACH PEDESTRIAN SIGNAL HEAD, ALLMINUM, 1-FACE, 2-SECTION MITH 12"
 LENSES, BRACKET MOUNTED
- 1 EACH PEDESTRIAN SIGNAL HEAD, ALUMINUM, 2-FACE, 2-SECTION WITH 12"
 LENSES, BRACKET MOUNTED
- I. EACH LOOP LEAD-IN SHALL SE PLACED BY A SEPARATE CONDUIT FROM EDGE OF BRYZMENT TO HANDHOLE, SPACING BETWEEN THE HOLES DRILLED WITHE DAMMENT THAIL BOTT SET 1955 THAIN S.
- 2. EACH LOOP DETECTOR EPLICE SHALL BY AN INDIVIDUAL TYPE II OR TYPE III BELICE.
- 5. LOOP TURNS AS RECOMMENDED BY THE MAKUFACTURER



LOOP DETECTOR SCHEMATIC

THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

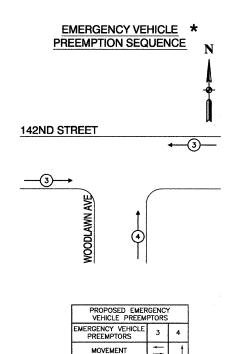
C ADDED EV PREEMPTIC LOCATION NO. 12

FILE NAME = 09324-PLAN-16 - IDOT P02	USER NAME =	DESIGNED — MRS	REVISED 10-13-09 *
		CHECKED PKB	REVISED
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED — AG	REVISED

LIN. FT. GALVANIZED STEEL CONDUIT IN TRENCH 2"
LIN. FT. GALVANIZED STEEL CONDUIT IN TRENCH 2-1/2"

PROPOSED EMERGENCY VEHICLE PREEMPTION						
142ND STREET & WOODLAWN AVENUE						
SCHEDULE OF QUANTITIES, CABLE PLAN, & SEQUENCE OF OPERATION						
SCALE: NTS	SHEET NO. 35	OF 43	SHEETS	STA.	TO STA.	

A.U.	SECTION	COUNTY	TOTAL	SHEET NO.
1599	09-00114-00-TL	СООК	43	35
		CONTRACT	NO. 633	17



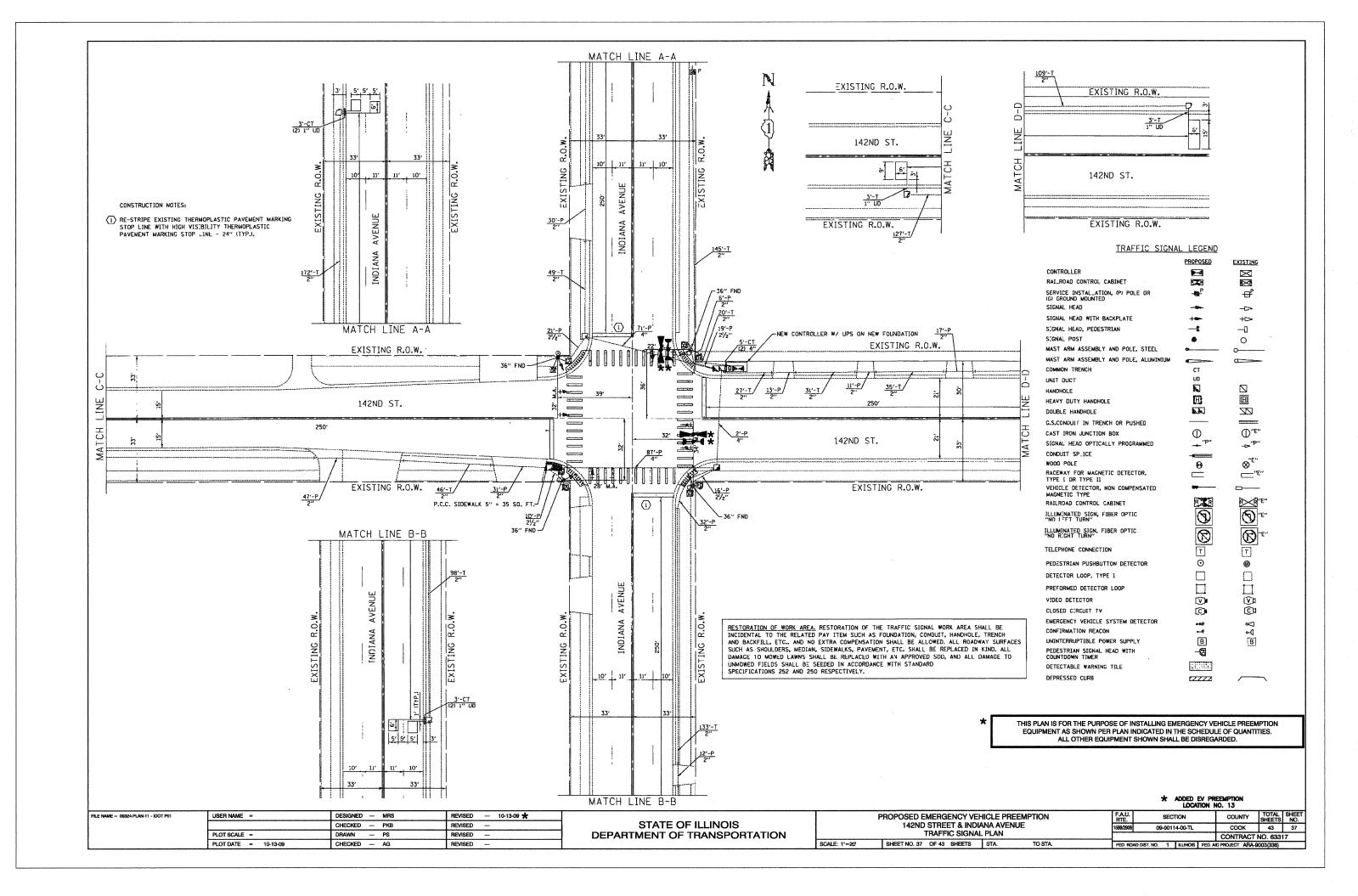
	UNIT	OUAN	
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	266	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	
INDUCTIVE LOOP DETECTOR	EACH	3	
LIGHT DETECTOR	EACH	2	
LIGHT DETECTOR AMPLIFIER	EACH	1	
RELOCATE EXISTING SIGNAL HEAD	EACH	1	
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	266	

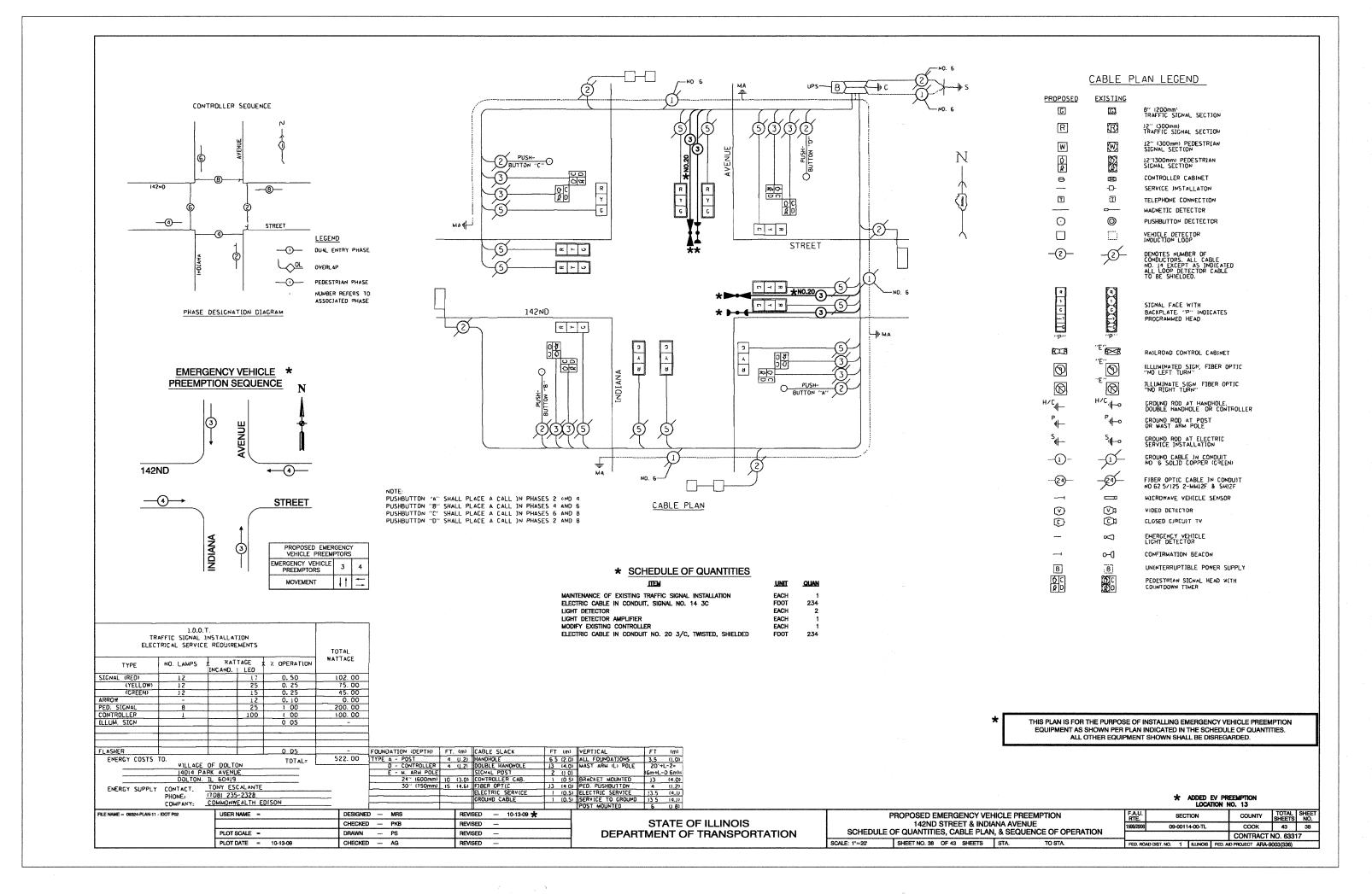
THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

* ADDED EV PREEMPTION LOCATION NO. 12

FILE NAME = 09324-PLAN-16 - IDOT P03	USER NAME =	DESIGNED — MRS	REVISED — 10-13-09 🜟
		CHECKED PKB	REVISED —
	PLOT SCALE =	DRAWN PS	REVISED
	PLOT DATE = 10-13-09	CHECKED AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

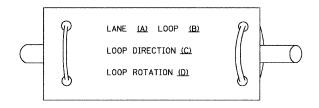




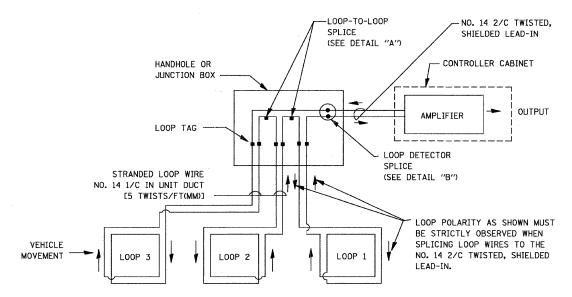
LOOP DETECTOR NOTES

- 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

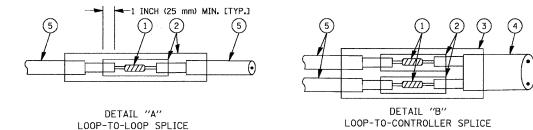


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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.



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.

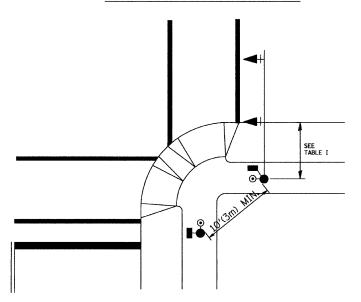
FILE NAME = 09324-DTLS-TS05a - TS-05A	USER NAME = gaglianobt	DESIGNED - D.A.D.	REVISED — 11-12-01
		CHECKED —	REVISED -BUR. TRAFFIC 01-01-02
	PLOT SCALE = 50.0000 '/ IN.	DRAWN —	REVISED
	PLOT DATE = 1/4/2008	CHECKED 05-30-00	REVISED

DISTRICT ONE							
	STANDARD	TRAFFIC	SIGNAL	DESIGN	DETAILS		
SCALE:	SHEET NO. 39		HEETS	STA.	TO STA.		

	F.A.U. SECTION 09-00114-00-TL				COUN	IΤΥ	TOTAL SHEETS	SHEET NO.	
					COOK		43	39	
	TS-05				CONTRACT NO. 63317				
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TRAFFIC SIGNAL MAST ARM AND POST MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA, INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR CURB, SHOULDER, OR EDGE OF PAVEMENT (SEE PLANS) 5' (1.5m) MAX.

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.

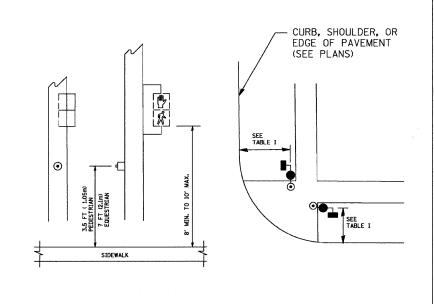
AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). 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
- 2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- 3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- 4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION



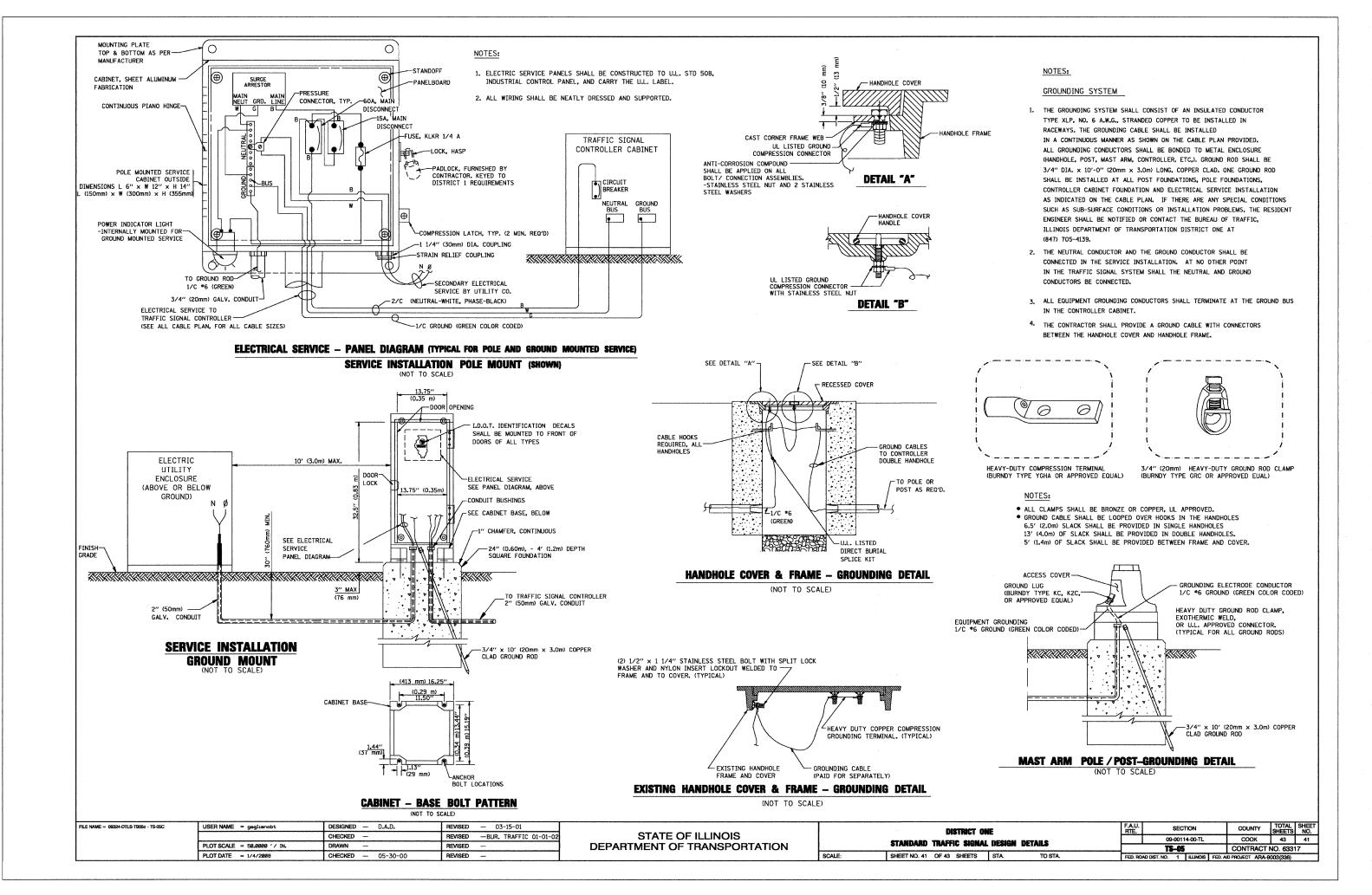
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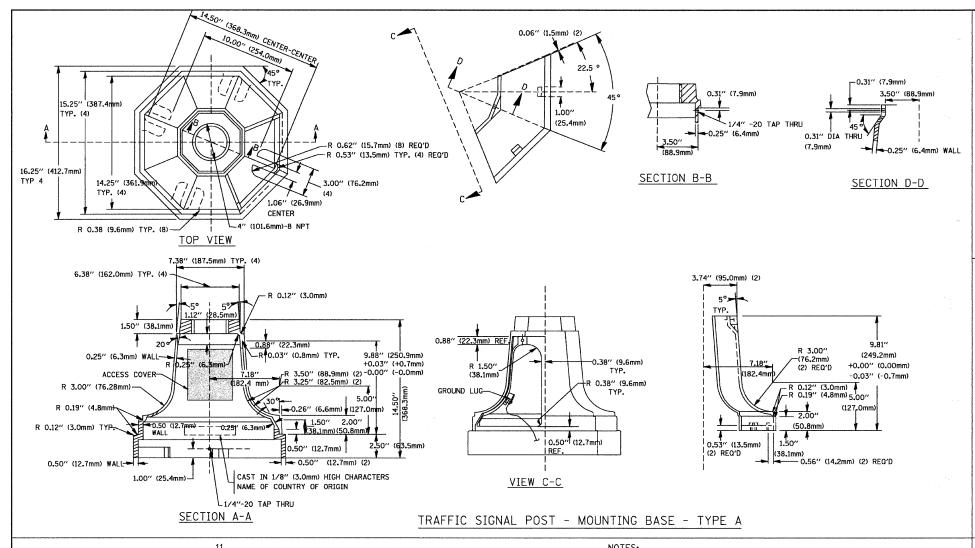
TABLE I

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		

E = 09324-DTLS-TS05b - TS-05B	USER NAME = gaglianobt	DESIGNED D.A.D.	REVISED — BUR. TRAFFIC 01-01-02
		CHECKED	REVISED
	PLOT SCALE = 50.0000 '/ IN.	DRAWN	REVISED
	PLOT DATE = 1/4/2008	CHECKED —	REVISED

	DISTRICT ONE				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	STANDARD TRAFFIC SIGNAL DESIGN DETAILS				09-00114-00-TL	COOK	43	40
ı		SIANDAND INAFFIC SIGNAL		TS-05 CONTRACT NO. 63317			7	
	SCALE: SHEET NO. 40 OF 43 SHEETS STA. TO STA.				AD DIST. NO. 1 ILLINOIS FED. A	D PROJECT ARA-9	003(336)	

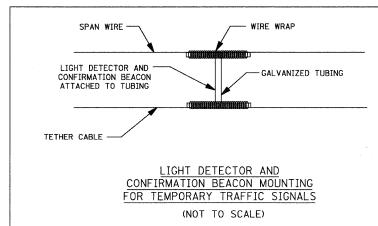




- 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT

STATE OF ILLINOIS

3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 34"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



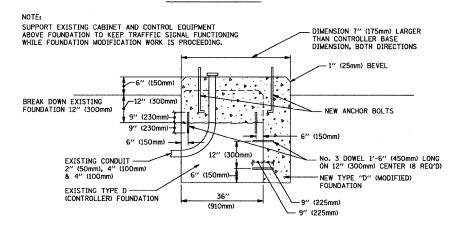
DEPARTMENT OF TRANSPORTATION

SCALE:

SECTION DISTRICT ONE 09-00114-00-TL STANDARD TRAFFIC SIGNAL DESIGN DETAILS TS-05 CONTRACT NO. 633
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(336) SHEET NO. 42 OF 43 SHEETS STA. TO STA.

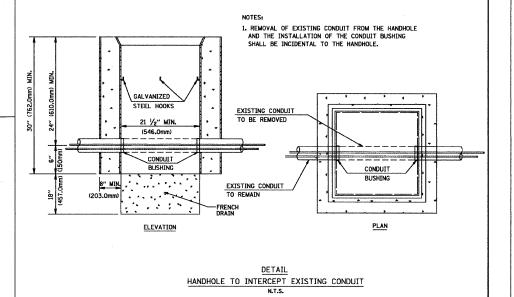
- ASTM A48 CLASS 30 GREY IRON - ASTM A123 HOT DIPPED GALVANIZED RO.50' 0.25 DRAIN 0.25"-0.23"(5mm ___O_31"(8mm) TYPE HEIGHT WEIGHT С Ø 10.125"(257mm) 9.5"(241mm) 19"(483mm) 12" (300mm 24kg II Ø 11.125"(283mm) 10.75"(273mm) 21.5"(546mm) 12" (300mm) 26kg

SHROUD DETAIL



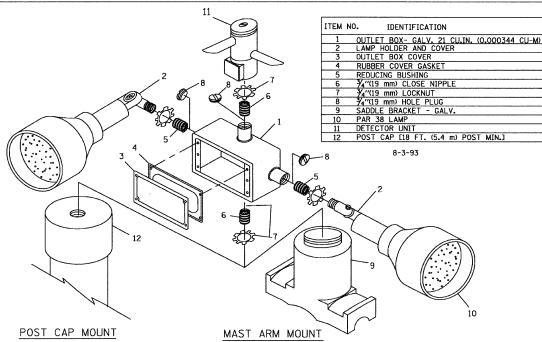
MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



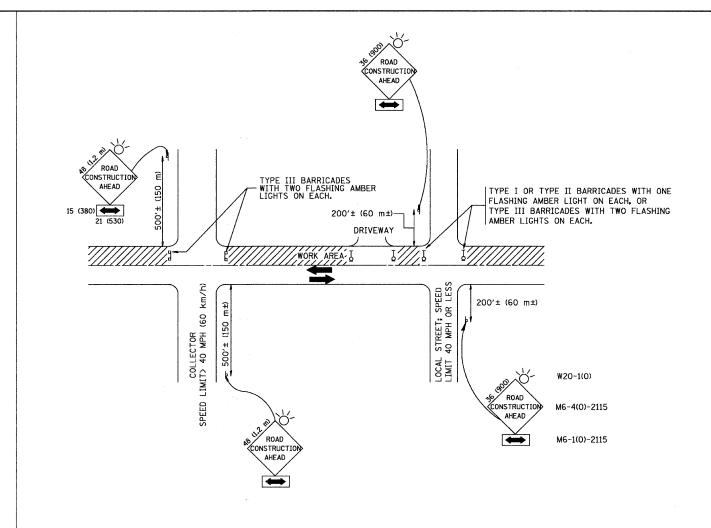
COOK 43 42

CONTRACT NO. 63317



REVISED --- BUR.TRAFFIC 03-15-01 FILE NAME = 09324-DTLS-TS05d - TS-05D USER NAME = gaglianobt DESIGNED -- D.A.D. CHECKED --REVISED -- RUR TRAFFIC 11-12-01 PLOT SCALE = 50.0000 '/ IN DRAWN REVISED — BUR.TRAFFIC 01-01-02 PLOT DATE = 1/4/2008 CHECKED -- 05-30-00 REVISED -

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. 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:
- Q) 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 CREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE NOAD CONSTRUCTION AMEAD SIGN 48 x 48 (1.2 m x 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.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE:

- 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.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CON SIDE ROADS, IN	ITROL AND PI			F.A.U. RTE.	
 SHEET NO. 43 OF	43 SHEETS	STA.	TO STA.	FED. RO.	AD DIST

FAU. SECTION COUNTY TOTAL SHEETS NO.

09-00114-00-TL COOK 43 43

TC-10 CONTRACT NO. 63317

FED. ROAD DIST. NO. 1 ILLINOIS | FED. AND PROJECT ARRA-9003(336)