11-17-2023 LETTING ITEM 039

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

VARIOUS LOCATIONS IN DISTRICT 1
SECTION: 2023 VAR APS PUSH BUTTON
PROJECT: HSIP - FXJ2(754)
APS PUSH BUTTON INSTALLATION
VARIOUS COUNTIES

C-91-099-24

(i

FOR LOCATION MAPS SEE SHEETS NO. 3-7

VARIOUS TOWNSHIPS

0 100' 200' 300' — 1" = 100' 0 10' 20' 30' — 1" = 10' 0 50' 100' — 1" = 50' 0 50' 100' — 1" = 30' 0 50' 100' — 1" = 30'

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 EXCAVATORS
1–800–892–0123
OR 811

PROJECT ENGINEER: IOVAN PLASCENCIA (847) 705–4504 PROJECT MANAGER: NICHOLAS BUTLER (847) 705–4420

CONTRACT NO. 62W13

 \bigcirc

10 DAVIESS STEPHENSON WINNEBAGO BOONE MC HENR

D-91-084-24

VAR 2023 VAR APS PUSH BUTTON VARIOUS

HANCOCK SCHAPLER

WYARSEN

KNOX

PEDRIA

WOODFORD

INANCOCK

MC DONOUGH

FULTON

MASSINIL

LOGAN

FORD

MASSINIL

LOGAN

MOLIFIE

COLES

CREENE

MACCUPAN

M

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED AUGUST 22 20 Z3

REGIONAL ENGINEER

October 13, 2023

ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2023

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHT NO.

1 COVER SHEET
2 INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-7 LOCATION MAPS
8 SUMMARY OF QUANTITIES
9-15 DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
16 SCHEDULE OF QUANTITIES

DESCRIPTION

HIGHWAY STANDARDS

STD. NO. TITLE

000001-08 STANDARD SYMBOLS, ABREVIATIONS AND PATTERNS 001006 DECIMAL OF AN INCH AND OF A FOOT

701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE 701101-05 OFF-ROAD OPERATIONS MULITLANE, 15' TO 24" FROM PAVEMENT EDGE

701701-10 URBAN LANE CLOSURE MULTILANE INTERSECTION

701901-08 TRAFFIC CONTROL DEVICES

880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA, KANNAN-HOSADURGA@ILLINOIS, GOV, 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.

THE EXACT LOCATION OF ALL UTILITES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK, ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR, THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOIR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.

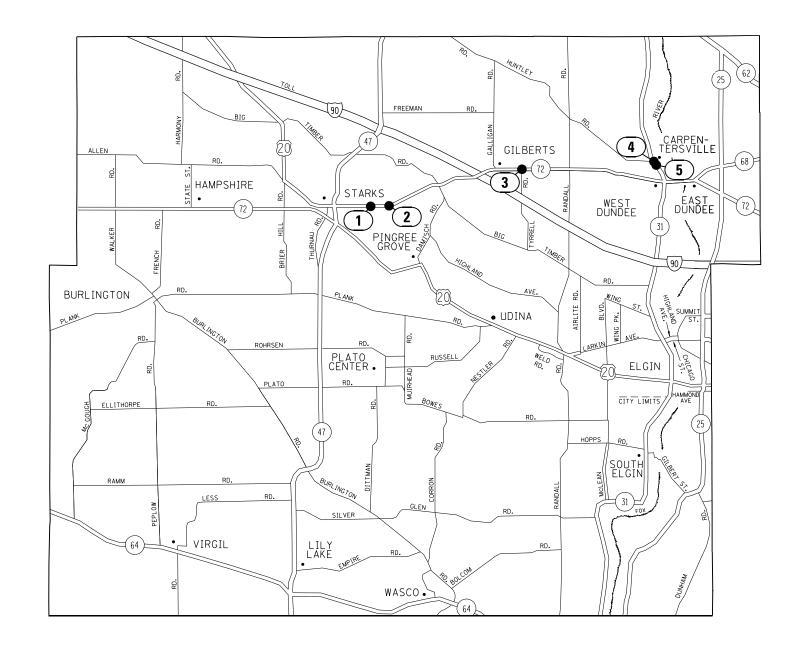
THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

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

PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.

USER NAME = Iovan,Plascencia	DESIGNED	-	IP	REVISED -	
	DRAWN	-	IP	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED	-	NB	REVISED -	
PLOT DATE = 8/24/2023	DATE	-	8/15/2023	REVISED -	





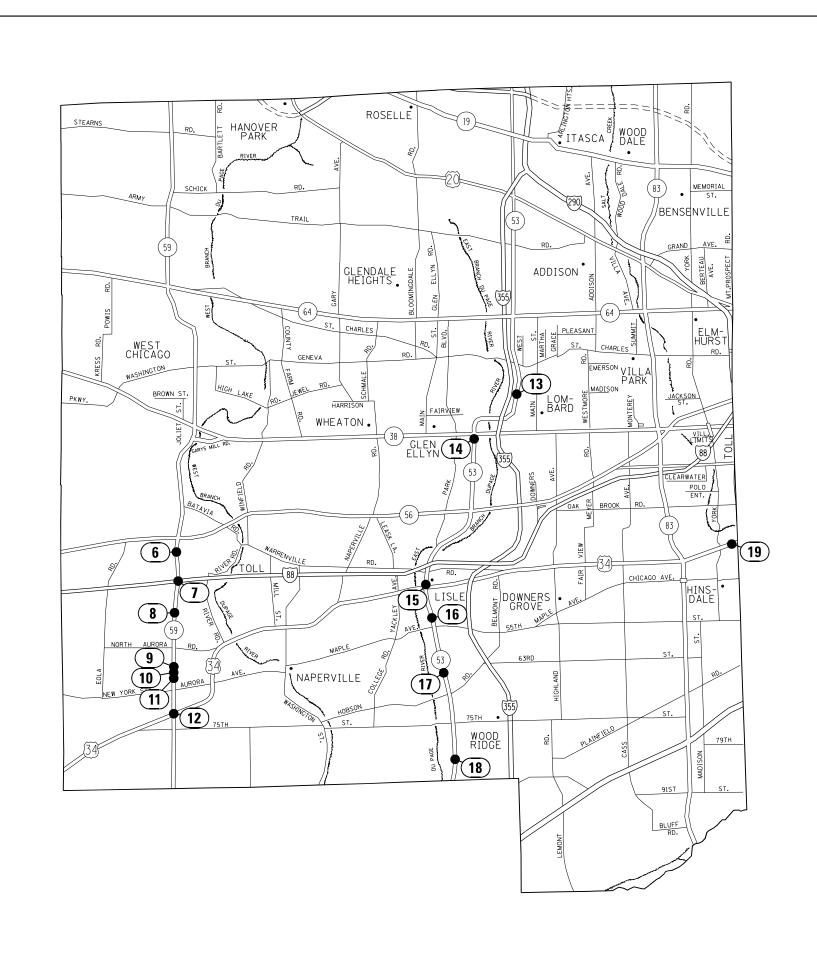
LOCATION NO.	TS NO.	INTERSECTION NAME	MUNICIPALITY
1	904	IL RTE 72 (HIGGINS RD) AT RICHARD J BROWN BLVD	PINGREE GROVE
2	902	IL RTE 72 (HIGGINS RD) AT REINKING RD	PINGREE GROVE
3	13404	IL RTE 72 (HIGGINS RD) AT TYRRELL RD	GILBERTS
4	14890	IL RTE 31 (WESTERN AVE) AT HUNTLEY RD / MAIN ST	CARPENTERSVILLE
5	14885	IL RTE 31 (WESTERN AVE) AT SPRUCE DR	CARPENTERSVILLE

USER NAME = Iovan,Plascencia	DESIGNED -	IP	REVISED -	
	DRAWN -	IP	REVISED -	STATE OF ILLINOIS
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PLOT DATE = 8/24/2023	DATE -	8/15/2023	REVISED -	

		F.A. RTE	SEC.	ПОИ		COUNTY	TOTAL SHEETS	SHE						
	NORTH KANE COUNTY								2023 VAR APS	PUSH BU	ЛТТОИ	VARIOUS	16	7
											CONTRACT NO. 62W			
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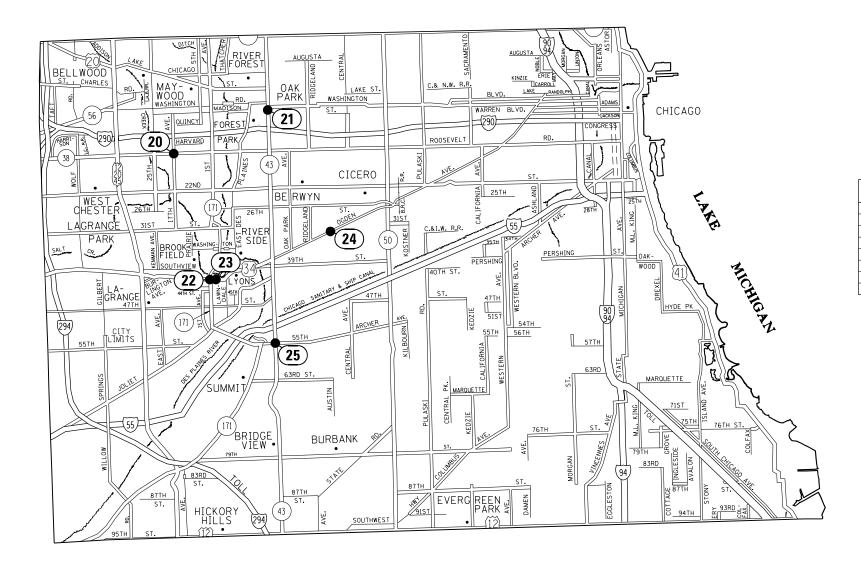


OCATION NO.	TS NO.	INTERSECTION NAME	MUNICIPALITY
6	11083	IL RTE 59 AT DUKE PKWY / EVERTON DR	AURORA
7	9472	IL RTE 59 AT I-88 DDI	NAPERVILLE
8	9455	IL RTE 59 AT BRUCE LN / BROOKDALE RD	NAPERVILLE
9	20360	IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AVE	NAPERVILLE
10	12140	IL RTE 59 AT LIBERTY ST / JEFFERSON AVE	NAPERVILLE
11	21139	IL RTE 59 AT MEIJER ENTRANCE	NAPERVILLE
12	6090	IL RTE 59 AT US RTE 34 (OGDEN AVE)	NAPERVILLE
13	6237	IL RTE 53 AT MADISON ST	LOMBARD
14	20335	IL RTE 53 AT PERSHING AVE	GLEN ELLYN
15	11680	IL RTE 53 AT US RTE 34 WB RAMP / SOUTHPORT AVE	LISLE
16	11655	IL RTE 53 AT MAIN ST - LISLE	LISLE
17	6255	IL RTE 53 AT WOODRIDGE DR	WOODRIDGE
18	6245	IL RTE 53 AT 83RD ST	WOODRIDGE
19	6116	US RTE 34 (OGDEN AVE) AT OAK ST / SALT CREEK LN	HINSDALE

USER NAME = Iovan.Plascencia	DESIGNED -	IP	REVISED -	
	DRAWN -	IP	REVISED -	STATE OF ILLINOIS
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PLOT DATE = 8/24/2023	DATE -	8/15/2023	REVISED -	

	F.A. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.					
	VAR	2023 VAR APS	PUSH B	UTTON	VARIOUS	16	4					
	DUPAGE COUNTY							CONTRACT NO. (
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. A			AID PROJECT			





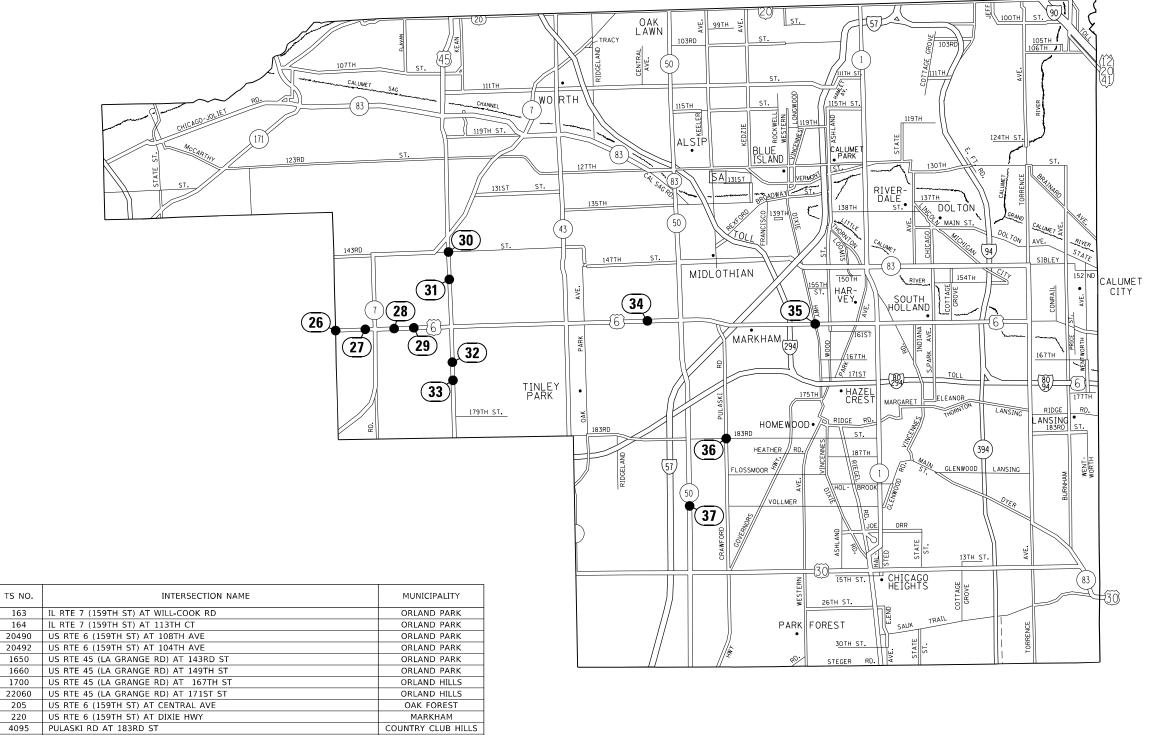
LOCATION NO.	TS NO.	INTERSECTION NAME	MUNICIPALITY
20	3705	ROOSEVELT RD AT 17TH AVE	BROADVIEW
21	2370	IL RTE 43 (HARLEM AVE) AT MADISON ST	OAK PARK
22	14155	US RTE 34 (OGDEN AVE) AT IL RTE 171 (1ST AVE)	LYONS
23	14170	US RTE 34 (OGDEN AVE) AT PLAINFIELD RD	LYONS
24	5565	OGDEN AVE AT AUSTIN BLVD	CICERO
25	2260	IL RTE 43 (HARLEM AVE) AT 55TH ST (ARCHER AVE)	SUMMIT

USER NAME = Iovan.Plascencia	DESIGNED	-	IP	REVISED	-	
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STATI	E OF	- ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

SCALE:

LOCATION MAP (SHEET 3 OF 5) CENTRAL COOK COUNTY							F.A. RTE. SECTION COUNTY VAR 2023 VAR APS PUSH BUTTON VARIOUS					TOTAL SHEET NO.	
							CONTRAC	F NO. 62	2W13				
SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT								



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PLOT DATE = 8/24/2023	DATE	-	8/15/2023	REVISED -	

2635 IL RTE 50 (CICERO AVE) AT VOLLMER RD

LOCATION

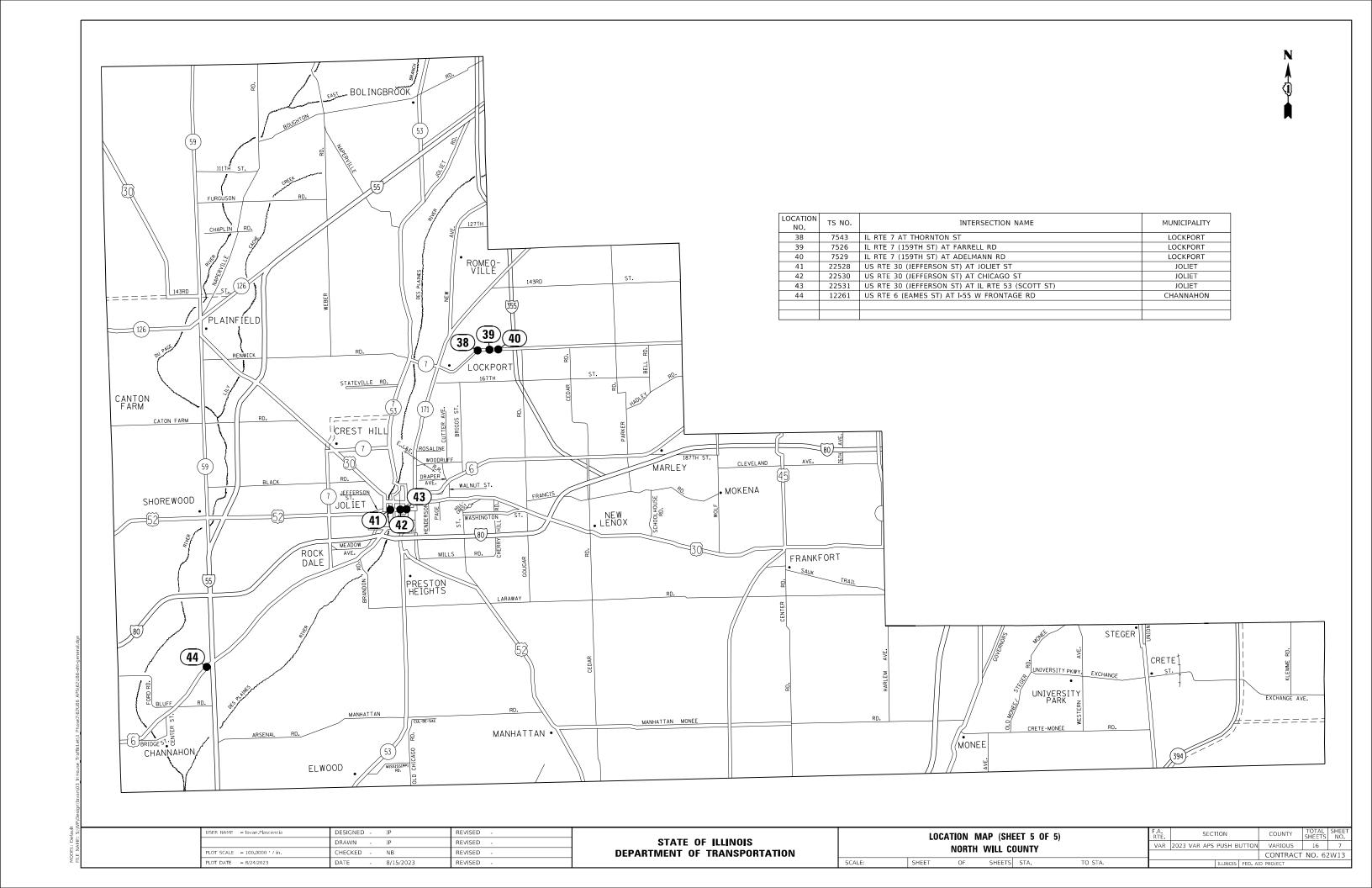
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STATI	E 0	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

MATTESON

LOC	ATION N	/IAP (SHE	ET 4 OF	5)	F.A. RTE	SEC.	TION		COUNTY	TOTAL SHEETS	
SOUTH COOK COUNTY		VAR	2023 VAR APS	PUSH E	BUTTON	VARIOUS	16	Ī			
	JOOTH COOK COOKIT						CONTRACT	NO. 62	21		
EET	OF	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		_
											Τ



				CONSTRUCTION CODE					
				90% FED 10% STATE KANE COUNTY	90% FED 10% STATE DUPAGE COUNTY	90% FED 10% STATE COOK COUNTY	90% FED 10% STATE WILL COUNTY		
CODE			TOTAL	KANL COUNTY	DOLAGE COOKIT		C SIGNALS		
NO.	ITEM	UNIT	TOTAL QUANTITY			C	0021		
110.			QUANTITI			UF	RBAN		
			_						
67100100	MOBILIZATION	L SUM	1	0.1	0.3	0.4	0.2		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.1	0.3	0.4	0.2		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	44	5	14	18	7		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	44	5	14	18	7		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	1	2	2	1		
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	294	26	94	122	52		
l I							1	1	

MODEL: Default

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

SUMMARY OF QUANTITIES

| F.A. | SECTION |
| VAR | 2023 VAR APS PUSH |
| VAR | 2023 VAR

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

		PROPOSED	ITEM	<u>existing</u>	PROPOSED	<u>ITEM</u>	<u>EXISTING</u>	PROPOSED
CONTROLLER CABINET	\boxtimes	\blacksquare	HANDHOLE -SQUARE			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R R	R R Y
COMMUNICATION CABINET	ECC	CC	-ROUND HEAVY DUTY HANDHOLE					G G G 4Y 4Y 4G
MASTER CONTROLLER	EMC	MC	-SQUARE -ROUND	H (B)	⊞ ⊕			4 G 4 G P
MASTER MASTER CONTROLLER	ЕММС	ммд	DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE	6 6 6	
JNINTERRUPTABLE POWER SUPPLY	4	9	JUNCTION BOX		•	-(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
SERVICE INSTALLATION (P) POLE MOUNTED	- <u></u> -P	- ■ -P	RAILROAD CANTILEVER MAST ARM	X OX X X	X eX X			G G G 4Y 4G 4G
SERVICE INSTALLATION			RAILROAD FLASHING SIGNAL	∑⊙ ∑	¥◆X		P RB	P RB
(G) GROUND MOUNTED (GM) GROUND MOUNTED METERED	$\boxtimes^{G}\boxtimes^{GM}$	⊠ ^G ⊠ ^{GM}	RAILROAD CROSSING GATE	₹0₹>	X•X	PEDESTRIAN SIGNAL HEAD	(P)	
TELEPHONE CONNECTION	ET	Т	RAILROAD CROSSBUCK	否	*	AT RAILROAD INTERSECTIONS	*	*
STEEL MAST ARM ASSEMBLY AND POLE	0	•	RAILROAD CONTROLLER CABINET			PEDESTRIAN SIGNAL HEAD	© C	₩ C
ALUMINUM MAST ARM ASSEMBLY AND POLE		•	UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			WITH COUNTDOWN TIMER	(A) D	★ □
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	<u>~</u>	•*	TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SIGNAL POST (BM) BARREL MOUNTED - TEMPORARY	0	● ● BM	SYSTEM ITEM	S	SP	NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE,		
WOOD POLE	⊗	$oldsymbol{\Theta}$	INTERSECTION ITEM	I	ΙP	ALL DETECTOR LOOP CABLE TO BE SHIELDED GROUND CABLE IN CONDUIT,	,	
GUY WIRE	<u>-</u>	<u>→</u>	REMOVE ITEM		R	NO. 6 SOLID COPPER (GREEN)	1#6	1#6
SIGNAL HEAD	>	-	RELOCATE ITEM		RL .	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
SIGNAL HEAD WITH BACKPLATE	+t>	+-	ABANDON ITEM CONTROLLER CABINET AND		А		- /	
SIGNAL HEAD OPTICALLY PROGRAMMED	→ P + P	→ P + P	FOUNDATION TO BE REMOVED		RCF	COAXIAL CABLE	— <u> </u>	<u> </u>
FLASHER INSTALLATION	o-⊳ ^F o-⊳ ^{FS}	•► FS	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF	VENDOR CABLE		
(FS) SOLAR POWERED		F FS	SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF	COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	(6#18)
PEDESTRIAN SIGNAL HEAD	-0	-1	DETECTOR LOOP, TYPE I			FIBER OPTIC CABLE -NO. 62.5/125, MM12F		— <u>(12F)</u> —
PEDESTRIAN PUSH BUTTON (APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			PREFORMED DETECTOR LOOP	P P	P P	-NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		—(24F)—
RADAR DETECTION SENSOR	R	R	SAMPLING (SYSTEM) DETECTOR	s s	s s		— <u>(36F)</u> —	—(36F)—
VIDEO DETECTION CAMERA	[V]	V ■	INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS (IS)	IS (IS)			
RADAR/VIDEO DETECTION ZONE			QUEUE AND SAMPLING	QS QS	QS QS	GROUND ROD -(C) CONTROLLER -(M) MAST ARM	$\stackrel{\stackrel{.}{\stackrel{.}{=}}}{\stackrel{.}{\stackrel{.}{=}}} C \stackrel{.}{\stackrel{.}{\stackrel{.}{=}}} M \stackrel{.}{\stackrel{.}{\stackrel{.}{=}}} P \stackrel{.}{\stackrel{.}{\stackrel{.}{=}}} S$	$\stackrel{\underline{\dot{=}}}{\overset{C}{}}{\overset{C}{}}\stackrel{M}{\overset{\underline{\dot{=}}}{}}\overset{P}{\overset{\dot{=}}{}}\stackrel{\underline{\dot{=}}}{\overset{S}}$
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ	(SYSTEM) DETECTOR WIRELESS DETECTOR SENSOR	©	®	-(M) MAST ARM -(P) POST -(S) SERVICE		
EMERGENCY VEHICLE LIGHT DETECTOR	\bowtie	~	WIRELESS ACCESS POINT		_			
CONFIMATION BEACON	⊶ (]	+ 4	WINELESS ACCESS FORM		_			
WIRELESS INTERCONNECT	○ - 	• + 1						
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR						
USER NAME = lovan.Plascence		IP REVISED IP REVISED		ATE OF ILLINOIS		DISTRICT ONE ANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. SECTIC RTE. VAR 2023 VAR APS P	SHLL

DATE - 9/29/2016

PLOT DATE = 8/24/2023

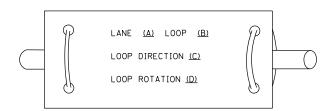
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SHEET 1 OF 7 SHEETS STA.

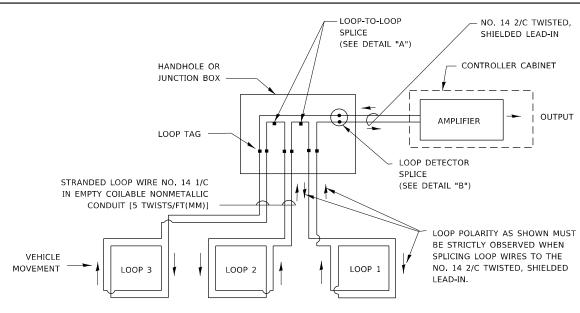
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

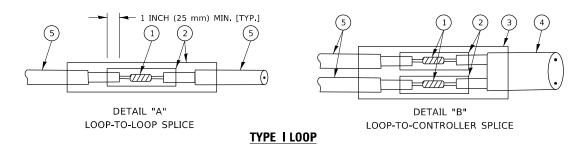


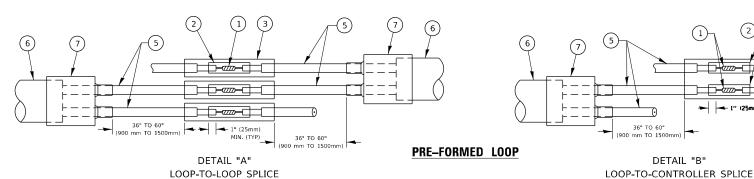
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETECTOR LOOP WIRING SCHEMATIC

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





LOOP DETECTOR SPLICE

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

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

USER NAME = Iovan.Plascencia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 8/24/2023	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET 2 OF 7 SHEETS STA.

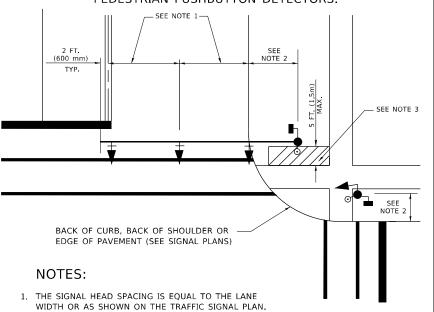
VAR 2023 VAR APS PUSH BUTTON VARIOUS 16 CONTRACT NO. 62W13

→ 1" (25mm) MIN, (TYP)

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

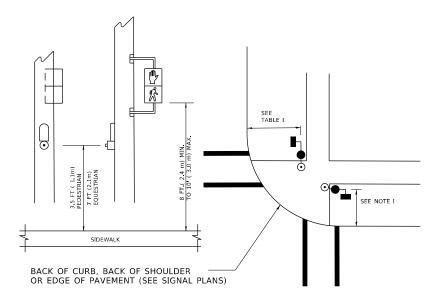
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND

PEDESTRIAN PUSHBUTTON DETECTORS.



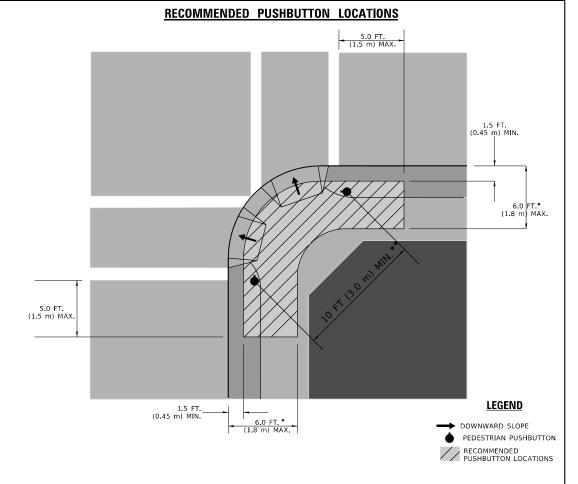
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE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

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

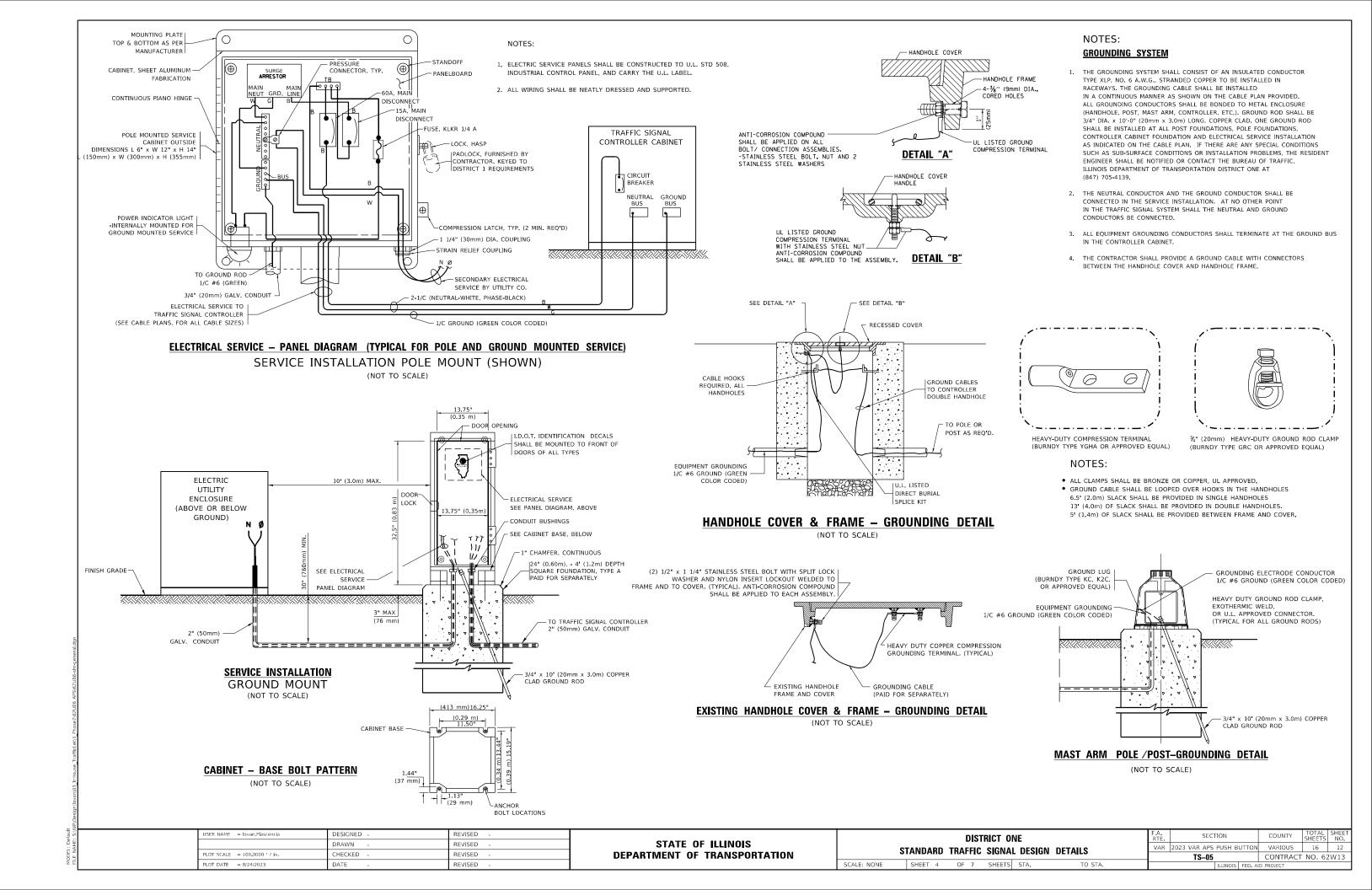
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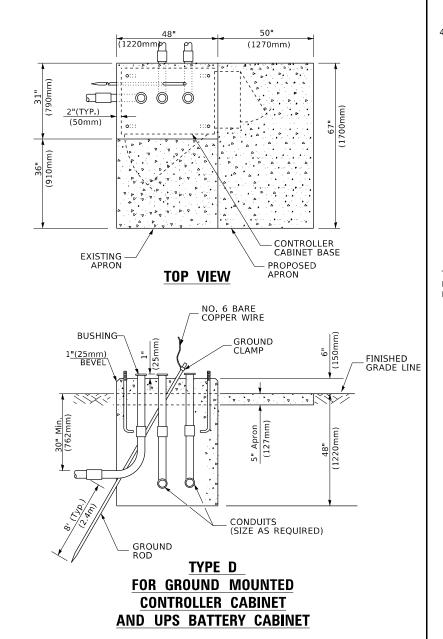
USER NAME = Iovan,Plascencia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 8/24/2023	DATE -	REVISED -

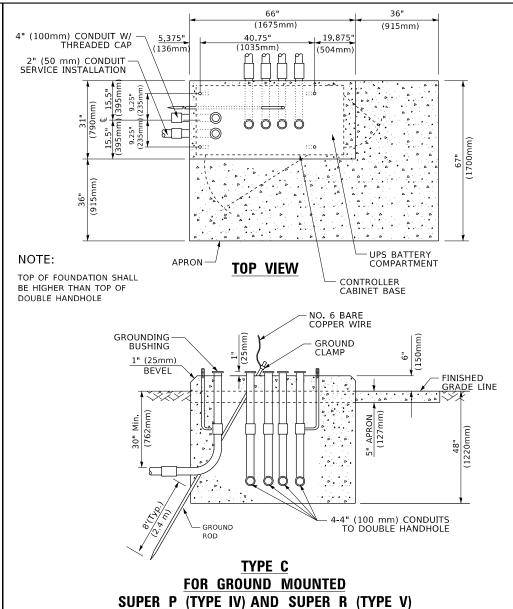
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	VAR	2023 VAR APS PUSH BUTTON	VARIOUS	16	11
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05	CONTRACT	NO. 62	2W13
SHEET 3 OF 7 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		

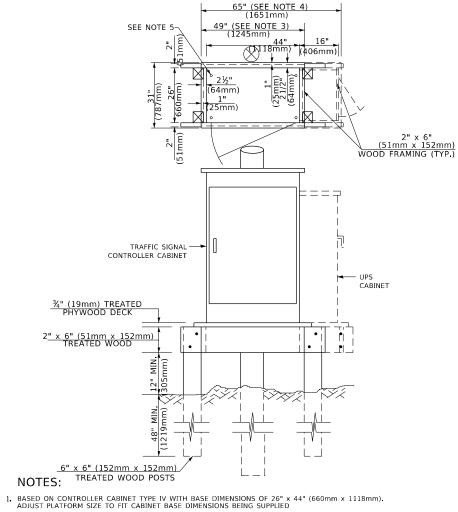
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CONTROLLER CABINETS



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

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1,5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6
	HANDHOLE DOUBLE HANDHOLE SIGNAL POST MAST ARM CONTROLLER CABINET FIBER OPTIC AT CABINET ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) GROUND CABLE (SIGNAL POST, MAST ARM, CABINET) GROUND CABLE	HANDHOLE

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

VERTICAL CABLE LENGTH

CABLE SLACK

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

DEPTH OF FOUNDATION

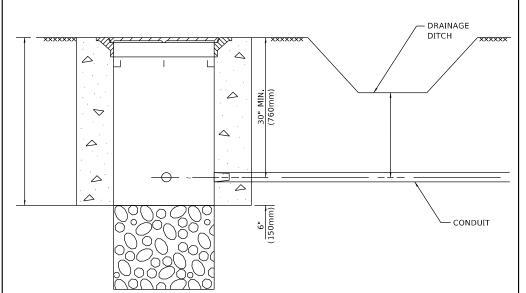
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30′ (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0'' (3.4 m)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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

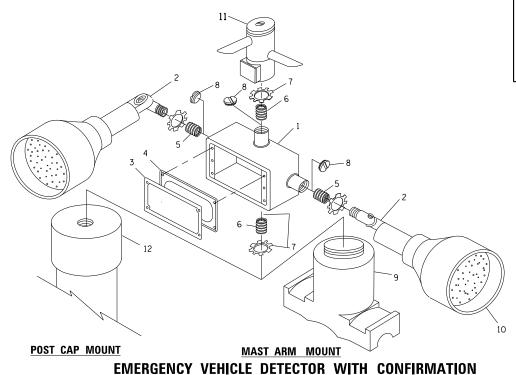
USER NAME = Iovan Plascencia	DESIGNED -	REVISED -			DISTRICT ONE	F.A. SECTION	COUNTY TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS			VAR 2023 VAR APS PUSH BUTTO	N VARIOUS 16 13
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S	TANDARD TRAFFIC SIGNAL DESIGN DETAILS	TS-05	CONTRACT NO. 62W13
PLOT DATE = 8/24/2023	DATE -	REVISED -		SCALE: NONE	SHEET 5 OF 7 SHEETS STA. TO STA.	ILLINOIS FED.	AID PROJECT



NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH



BEACON MOUNTING DETAIL

DRAWN

HECKED

REVISED

REVISED

REVISED

CONTROLLER CABINET BASE PROPOSED-**TOP VIEW** APRON -NO. 3 DOWEL 18" (450mm NO. 6 BARE COPPER WIRE LONG (8 REQ.) BUSHING-_GROUND CLAMP EXISTING-ANCHOR BOLTS FINISHED GRADE LINE 1"(25mm) BEVEL (300 mm)(300 mm)12" (300mm) (225mm) -EXISTING CONDUITS EXISTING GROUND ROD MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION (NOT TO SCALE)

(1675mm)

0

(1035mm)

(915mm)

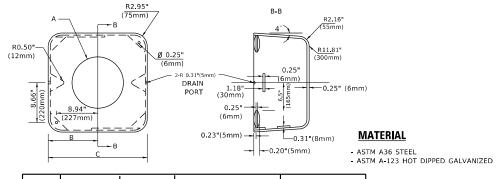
19.875"

(504mm)

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

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 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 3/4 "(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.

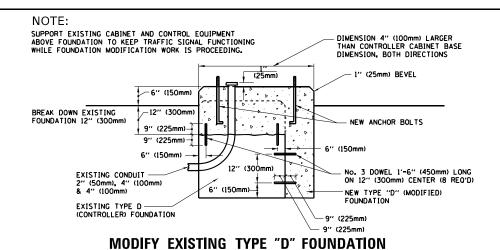


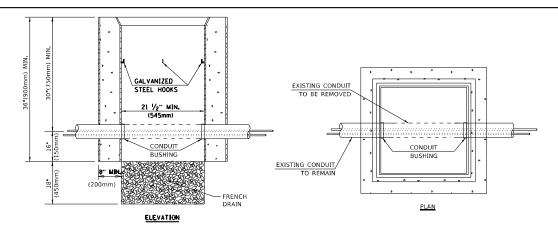
А	В	С	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 l bs (57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

SHROUD

NOTES:

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





NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE

SCALE: NONE

SCALE: NONE

STANDARD

SCALE: NONE

SHEET 6 OF 7 SHEETS STA. TO STA.

SISTEMBLY OF TRANSPORTATION

F.A. SECTION

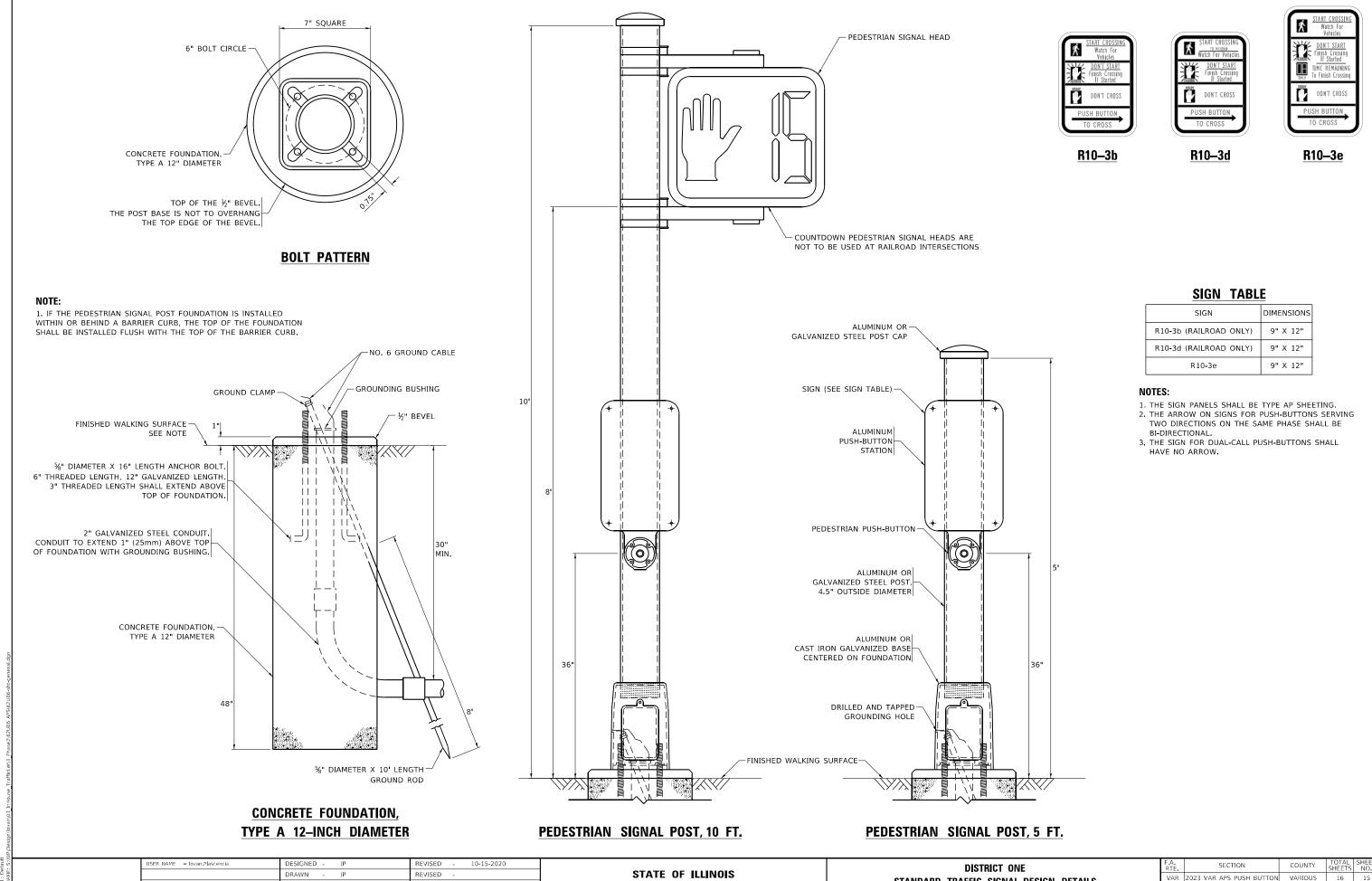
RTE. SECTION

COUNTY SHEETS NO.

VARIOUS 16 14

TS-05

CONTRACT NO.6 2V13



DEPARTMENT OF TRANSPORTATION

REVISED

VAR 2023 VAR APS PUSH BUTTON VARIOUS

CONTRACT NO. 62W13

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SHEET 7 OF 7 SHEETS STA.

PLOT DATE = 8/24/2023

MODEL: Default	Committee County County County

USER NAME = Iovan,Plascencia	DESIGNED	-	IP	REVISED -
	DRAWN	-	IP	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED	-	NB	REVISED -
PLOT DATE = 8/24/2023	DATE	-	8/15/2023	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	CONTRACT OF CHARTETES							SECTION	COUNTY	SHEETS	NO.
SCHEDULE OF QUANTITIES						VAR	2023 VAR APS PUSH BUTTON	VARIOUS	16	16	
								62W13			
	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

LOCATION NO.	TS NO.	INTERSECTION NAME	85000200	89502375	×8760200	
1	904	IL RTE 72 (HIGGINS RD) AT RICHARD J BROWN BLVD	1	1	2	1
2	902	IL RTE 72 (HIGGINS RD) AT REINKING RD	1	1	4	1
3	13404	IL RTE 72 (HIGGINS RD) AT TYRRELL RD	1	1	2	1
4	14890	IL RTE 31 (WESTERN AVE) AT HUNTLEY RD / MAIN ST	1	1	10	1
5	14885	IL RTE 31 (WESTERN AVE) AT SPRUCE DR	1	1	8	1
6	11083	IL RTE 59 AT DUKE PKWY / EVERTON DR	1	1	8	1
7	9472	IL RTE 59 AT I-88 DDI	1	1	16	1
8	9455	IL RTE 59 AT BRUCE LN / BROOKDALE RD	1	1	8	1
9	20360	IL RTE 59 AT MERIDIAN PKWY / GLACIER PARK AVE	1	1	8	1
10	12140	IL RTE 59 AT LIBERTY ST / JEFFERSON AVE	1	1	8	1
11	21139	IL RTE 59 AT MEIJER ENTRANCE	1	1	8	1
12	6090	IL RTE 59 AT US RTE 34 (OGDEN AVE)	1	1	6	1
13	6237	IL RTE 53 AT MADISON ST	1	1	2	1
14	20335	IL RTE 53 AT PERSHING AVE	1	1	8	1
15	11680	IL RTE 53 AT US RTE 34 WB RAMP / SOUTHPORT AVE	1	1	2	1
16	11655	IL RTE 53 AT MAIN ST - LISLE	1	1	2	1
17	6255	IL RTE 53 AT WOODRIDGE DR	1	1	4	1
18	6245	IL RTE 53 AT 83RD ST	1	1	2	1
19	6116	US RTE 34 (OGDEN AVE) AT OAK ST / SALT CREEK LN	1	1	12	1
20	3705	ROOSEVELT RD AT 17TH AVE	1	1	8	1
21	2370	IL RTE 43 (HARLEM AVE) AT MADISON ST	1	1	8	1
22	14155	US RTE 34 (OGDEN AVE) AT IL RTE 171 (1ST AVE)	1	1	8	1
23	14170	US RTE 34 (OGDEN AVE) AT PLAINFIELD RD	1	1	2	1
24	5565	OGDEN AVE AT AUSTIN BLVD	1	1	8	1
25	2260	IL RTE 43 (HARLEM AVE) AT 55TH ST (ARCHER AVE)	1	1	8	1
26	163	IL RTE 7 (159TH ST) AT WILL-COOK RD	1	1	8	1
27	164	IL RTE 7 (159TH ST) AT 113TH CT	1	1	6	1
28	20490	US RTE 6 (159TH ST) AT 108TH AVE	1	1	8	1
29	20492	US RTE 6 (159TH ST) AT 104TH AVE	1	1	4	1
30	1650	US RTE 45 (LA GRANGE RD) AT 143RD ST	1	1	8	1
31	1660	US RTE 45 (LA GRANGE RD) AT 149TH ST	1	1	8	1
32	1700	US RTE 45 (LA GRANGE RD) AT 167TH ST	1	1	8	1
33	22060	US RTE 45 (LA GRANGE RD) AT 171ST ST	1	1	4	1
34	205	US RTE 6 (159TH ST) AT CENTRAL AVE	1	1	8	1
35	220	US RTE 6 (159TH ST) AT DIXIE HWY	1	1	8	1
36	4095	PULASKI RD AT 183RD ST	1	1	8	1
37	2635	IL RTE 50 (CICERO AVE) AT VOLLMER RD	1	1	2	1
38	7543	IL RTE 7 AT THORNTON ST	1	1	8	1
39	7526	IL RTE 7 (159TH ST) AT FARRELL RD	1	1	8	1
40	7529	IL RTE 7 (159TH ST) AT ADELMANN RD	1	1	4	1
41	22528	US RTE 30 (JEFFERSON ST) AT JOLIET ST	1	1	8	1
42	22530	US RTE 30 (JEFFERSON ST) AT CHICAGO ST	1	1	8	1
43	22531	US RTE 30 (JEFFERSON ST) AT IL RTE 53 (SCOTT ST)	1	1	8]
44	12261	US RTE 6 (EAMES ST) AT I-55 W FRONTAGE RD	1	1	8	1