# INDEX OF SHEETS

1. TITLE SHEET
2. SUMMARY OF QUANTITIES
3. STANDARD TRAFFIC SIGNAL DESIGN DETAILS — SHEET 1 OF 6
4. STANDARD TRAFFIC SIGNAL DESIGN DETAILS — SHEET 2 OF 6
5. STANDARD TRAFFIC SIGNAL DESIGN DETAILS — SHEET 3 OF 6
6. STANDARD TRAFFIC SIGNAL DESIGN DETAILS — SHEET 4 OF 6
7. STANDARD TRAFFIC SIGNAL DESIGN DETAILS — SHEET 5 OF 6
8. STANDARD TRAFFIC SIGNAL DESIGN DETAILS — SHEET 6 OF 6
9. IL ROUTE 72 (WEST OAK KNOLL DR) AND STATE ST/GETZELMAN RD

- TRAFFIC SIGNAL INSTALLATION PLAN

10. IL ROUTE 72 (WEST OAK KNOLL DR) AND STATE ST/GETZELMAN RD

- SCHEDULE OF QUANTITIES

- CABLE PLAN

- PHASE DESIGNATION DIAGRAM
11. MAST ARM MOUNTED STREET NAME SIGNS

12. DISTRICT ONE TYPICAL PAVEMENT MARKINGS

13. ARTERIAL ROAD INFORMATIONAL SIGN

# **STATE OF ILLINOIS** 04-27-12 LETTING ITEM 015

D-91-265-12

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

# **DISTRICT 1**

TRAFFIC SIGNAL INSTALLATION

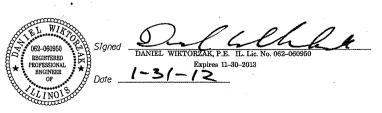
F.A.P. 557 — ILLINOIS ROUTE 72 (OAK KNOLL DR)

AT STATE ST/GETZELMAN RD

SECTION 32-TS (11) KANE COUNTY, ILLINOIS JOB NO. C-91-265-12 VILLAGE OF HAMPSHIRE

# Thingeire Rd Associated Property of the Conference of the Conferen





PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

# STANDARDS

STANDARD 701006 -0.3
STANDARD 701011 - 0.2
STANDARD 701201 - 0.4
STANDARD 701301 - 0.4
STANDARD 701501 - 0.6
STANDARD 701701 - 0.8
STANDARD 701901 - 0.2
STANDARD 814001 - 0.2
STANDARD 857001 - 0.1

U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

OR 811

CONTRACT NO. 60R93

# SUMMARY OF QUANTITIES

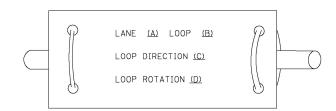
	· ·	: •		IL ROUTE 72 @ STATE ST./GETZELMAN RD.
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	LOCATION OF WORK	CONST	RUCTION CODE	0021
				90 % Fed
· · · · · · · · · · · · · · · · · · ·	SUMMARY OF QUANTITIES	<u>'                                    </u>	GRAND	10% Village
CODE NO.	ITEM	UNIT	TOTAL	
	MOBILIZATION	LSUM	1	1
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
	CHANGEABLE MESSAGE SIGN	CAL MO	. 2	2
	SIGN PANEL - TYPE 1	SQ FT	31.5	31.5
I	SIGN PANEL - TYPE 2	SQ FT	32.5	32.5
	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	150	150
	PAVEMENT MARKING REMOVAL	SQ FT	300	300
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	1
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	597	597
81400100	HANDHOLE	EACH	5	5
81400200	HEAVY-DUTY HANDHOLE	EACH	. 1	. 1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	1
	SPAN WIRE	FOOT	350	350
87200500	TETHER WIRE	FOOT	350	350
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	927	927
	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	552	552
87302255	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	1,102	1102
87302505	ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 62 C	FOOT	72	72
	ELECTRIC CABLE AERIAL SUSPENDED, LEAD-IN, NO. 14 1 PAIR	FOOT	785	785
	INDUCTIVE LOOP DETECTOR	EACH	8	8
L	DETECTOR LOOP, TYPE I	FOOT	917	917
89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1	1
	TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	4	4
<b>4</b>	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1 .	11
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	4	4
X8800046	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	8	8
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103

		PLOT SCOLE = ASCOLES				DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 60R93
SFILEL\$			DRAWN	JDH	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	557 32-TS (11)	KANE 13 2
FILE NAME	Æ F	USER NAME = #USER#	DESIGNED -	D₩	REVISED ~			RTE. SECTION	COUNTY SHEETS NO.

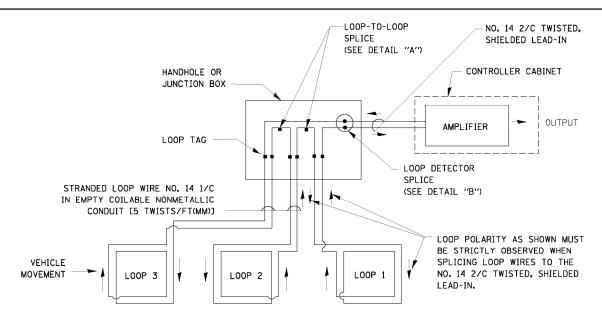
# LOOP DETECTOR NOTES

- 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

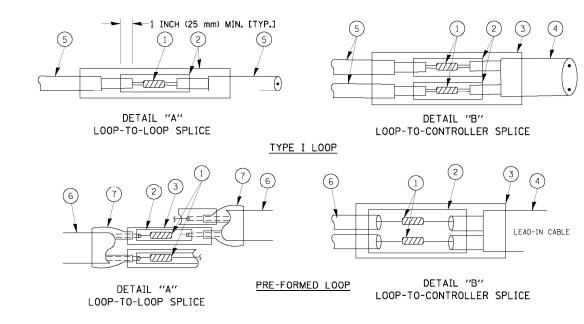


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



# 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.
- (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.
- 6 PRE-FORMED LOOP

SCALE:

7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

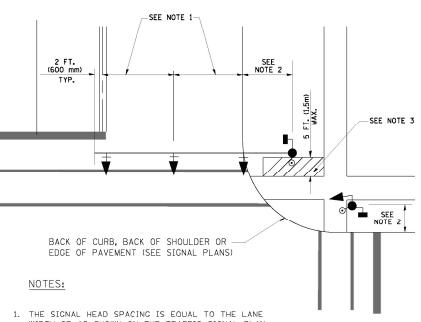
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	PLOT DATE = \$DATE\$	DATE	-		REVISED	-	ı

STATI	E OF	: ILLINOIS
DEPARTMENT	<b>OF</b>	<b>TRANSPORTATION</b>

					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTRICT O	NE – STANDAR	TDAEELC	SIGNAL	DESIGN DETAILS	557	32-TS (11)	KANE	13	3
DISTRICT O	ME - SIAMDAN	INAFFIC	SIGNAL	DESIGN DETAILS			CONTRACT	NO. 6	OR93
N.T.S.	SHEET NO. 1 OF	6 SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

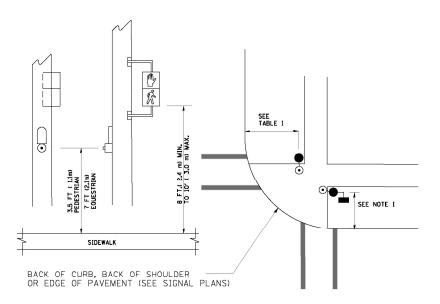
# TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

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



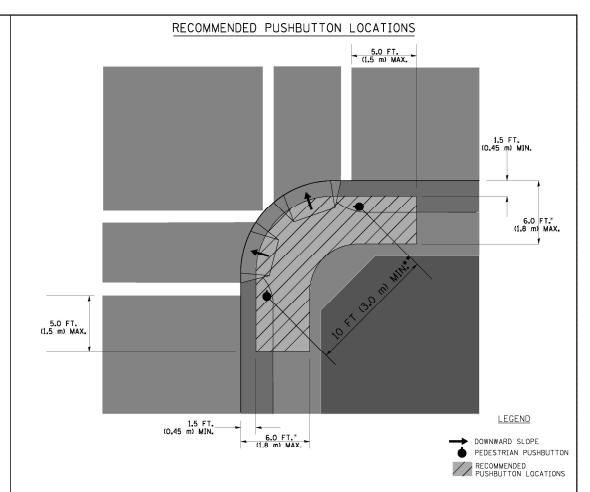
- WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- 4. THE FACE OF 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 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 BUILDINGS AND FACILITIES."



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

# NOTES:

- PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- 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 CRADE AT THE CENTER OF THE ROADWAY.
- 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.
- 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. CUNTACT 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 TO THE 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. COLUID FFFECT 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.

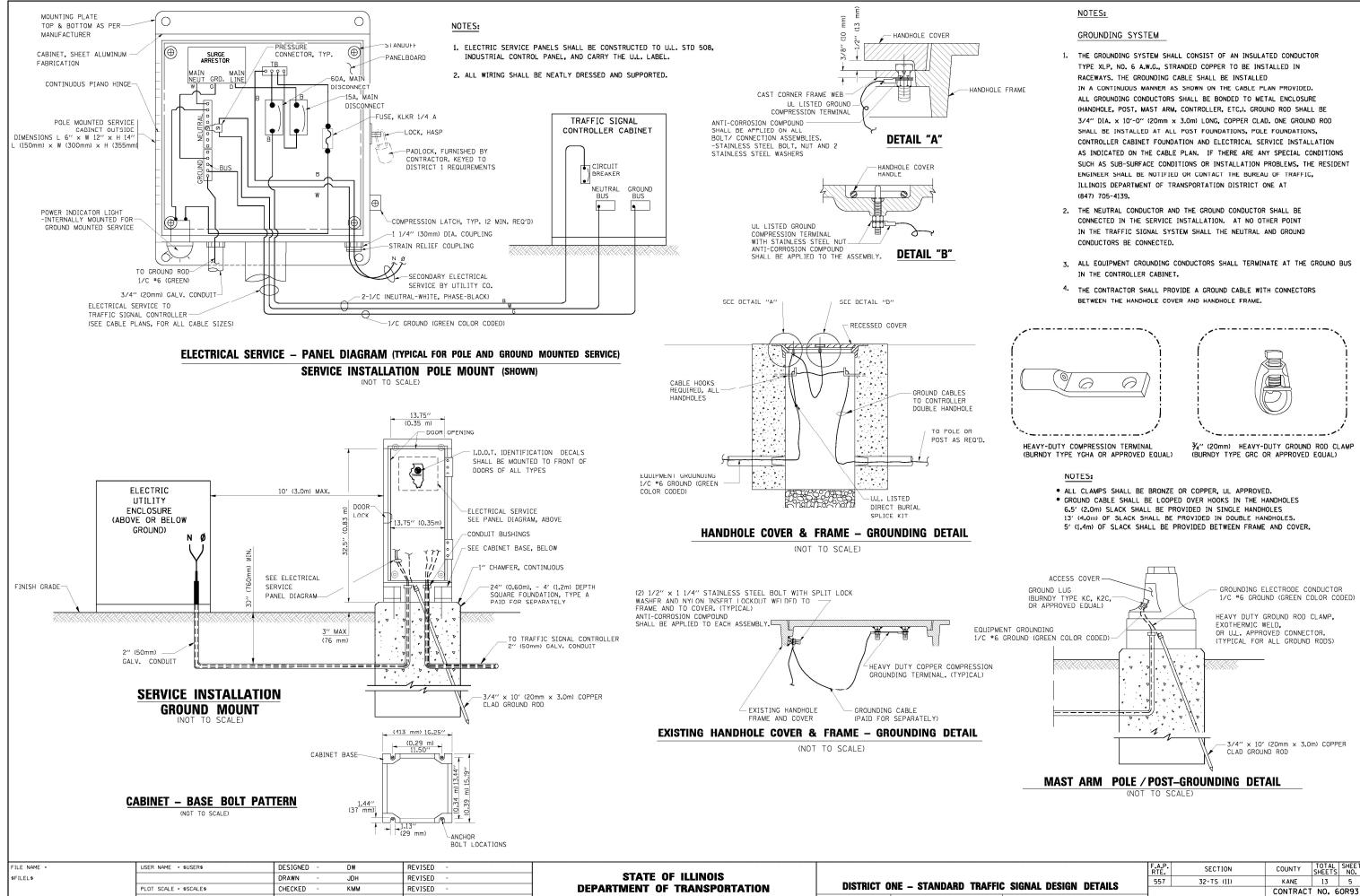
# USER NAME = \$USER\$ DESIGNED REVISED FILE NAME DW SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN REVISED 557 32-TS (11) KANE 13 4 DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS LOT SCALE = \$SCALE\$ CHECKED KMM REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60R93 SHEET NO. 2 OF 6 SHEETS STA. PLOT DATE = \$DATE\$ DATE REVISED ILLINOIS FED. AID PROJECT



PLOT DATE = \$DATE\$

DATE

REVISED

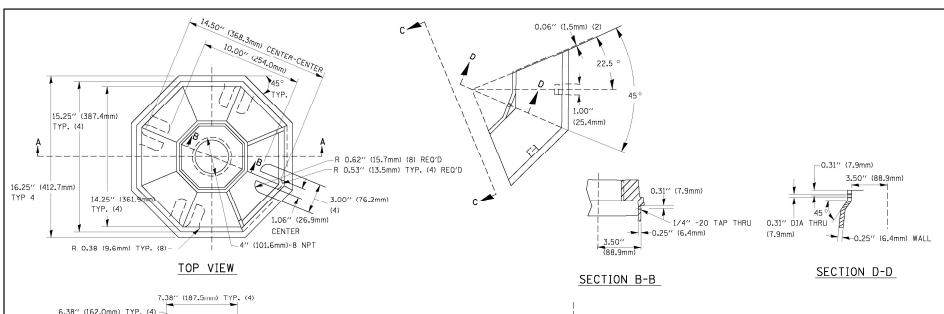


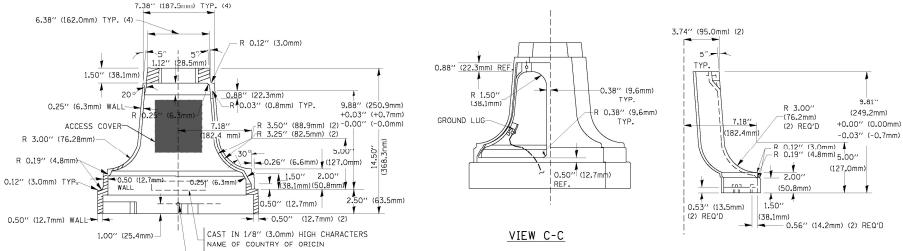
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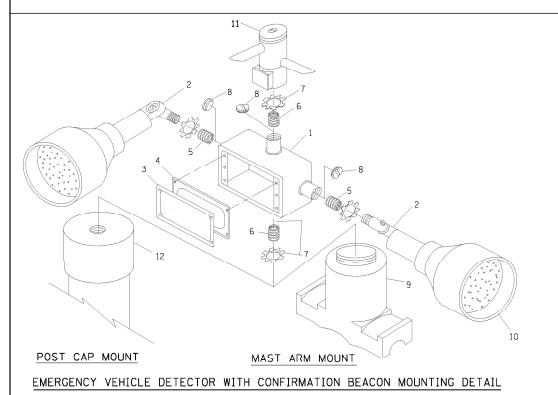
ILLINOIS FED. AID PROJECT











-1/4"-20 TAP THRU

SECTION A-A

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	3/4"(19 mm) CLOSE NIPPLE
7	¾′′(19 mm) LOCKNUT
8	¾′′(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.]

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

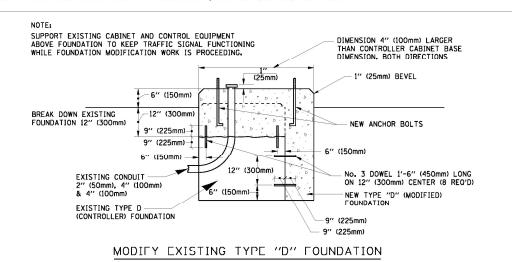
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.

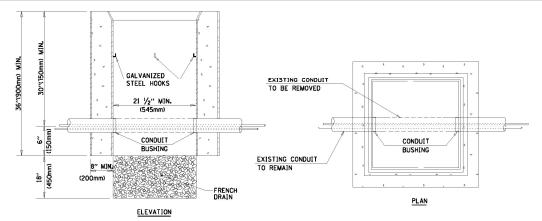
# В-В (75mm) (12mm) 0.25 DRAIN -0.25" (6mm) PORT 0.25"-0.23"(5mm) — 0.31′′(8mm) MATERIAL: - 0.20"(5mm) - ASTM A36 STEEL - ASTM A-123 HOT DIPPED GALVANIZED

Δ	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"(66Umm)	7" (178mm) - 12" (300mm)	81 IUs (37 kg)
VARIES	18.5"(470mm)	37''(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

# SHROUD

- 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.



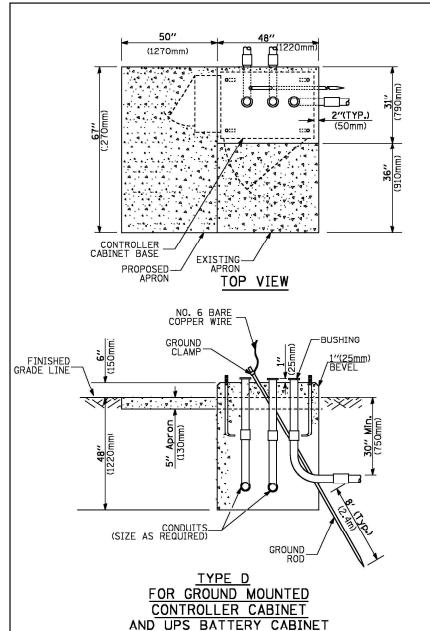


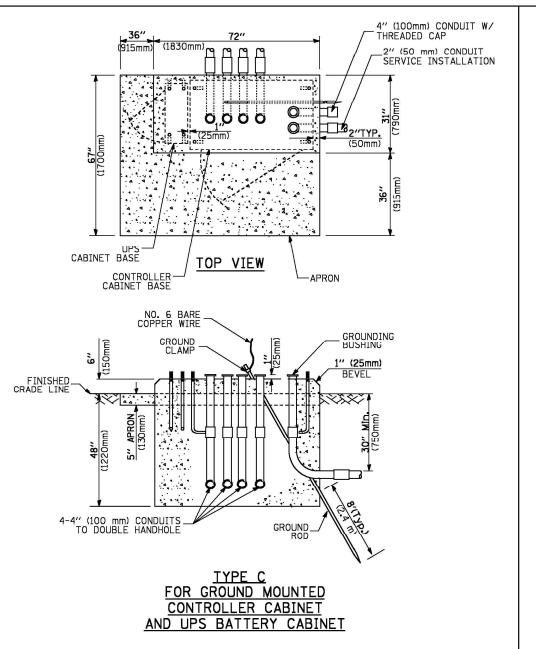
- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

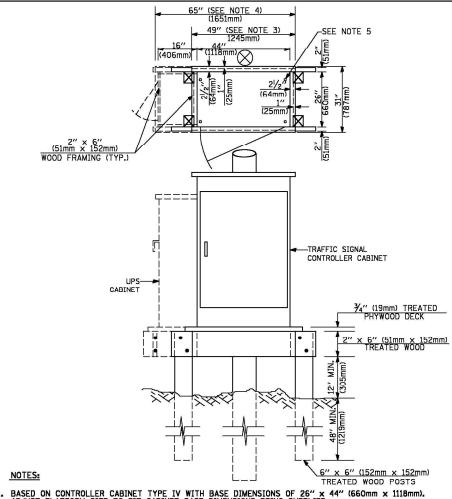
# HANDHOLE TO INTERCEPT EXISTING CONDUIT

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\$FILEL\$			DRAWN -	JDH	REVISED -	STATE OF ILLINOIS				557	32-TS (11)	KANE	13 6
		PLOT SCALE = \$SCALE\$	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	DISTRIC	CT ONE — STANDARD TRAFF	FIC SIGNAL DESIGN DETAIL	.5		CONTRACT	NO. 60R93
- 1		PLOT DATE = \$DATE\$	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO. 4 OF 6 SHEETS	S STA. TO STA.		ILLINOIS FED.	AID PROJECT	









- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm).
   ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16"  $\times$  25" (406mm  $\times$  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

CABLE SLACK

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

# DEPTH OF FOUNDATION VERTICAL CABLE LENGTH

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

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebors
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 <sub>-</sub> 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:

- 1. These foundation depths are for sites which have cohesive soils (clayey slit, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engined 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.
- Combination most 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

FILE NAME	E =	USER NAME = \$USER\$	DESIGNED -	DW	REVISED -						F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET
\$FILEL\$			DRAWN -	JDH	REVISED -	STATE OF ILLINOIS	DIOTRICT	ONE OTANDARD TRAFFIC		FOION DETAILS	557	32-TS (11)	KANE	13	7
		PLOT SCALE = \$SCALE\$	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	DISTRICT	ONE – STANDARD TRAFFIC	SIGNAL DE	ESIGN DETAILS			CONTRAC	T NO. 6	OR93
		PLOT DATE = \$DATE\$	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.		ILLINOIS FE	D. AID PROJECT		

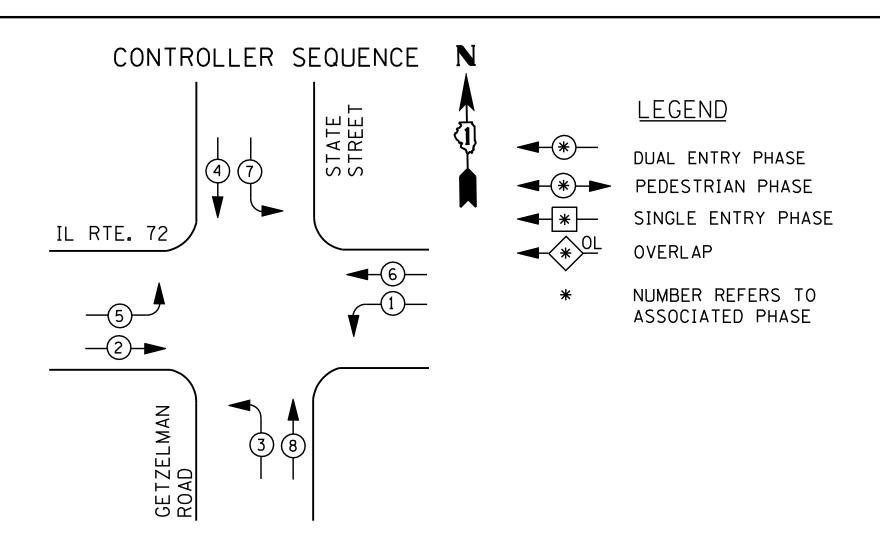
TATE OF HILINOIS						RTE.	SECTION	COUNTY	SHEETS	NO.
TATE OF ILLINOIS	DISTRICT O	ME CTANDADO	TDACEIC	SIGNAL DESIGN	DETAIL C	557	32-TS (11)	KANE	13	7
ENT OF TRANSPORTATION		NE - SIANDAND		SIGNAL DESIGN	DETAILS			CONTRACT	NO. 6	OR93
	SCALE: N.T.S.	SHEET NO. 5 OF 6	SHEETS	STA. TO	STA.		ILLINOIS FED. AI	D PROJECT		

# | ENGINEERING CONSULTANTS | 8619 W. Bryn Mawr Are., Suite 602 | Chicago, IL. 66631-3551 | 773-283-2600 Faz: 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773-283-2602 | 773

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	<u>ITEM</u>	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	$\bowtie$ R	$\bowtie$		EMERGENCY VEHICLE LIGHT DETECTOR	R≪	$\bowtie$	<b>~</b>	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON	$R_{O-O}$	0-0	•	3.1.2.2.3.5, 5.1.2.55 1.5.1.2.5 3.1.2.1.1.52		_/	-
COMMUNICATIONS CABINET	C C R	E C C	СС	HANDHOLE	R □			COAXIAL CABLE		— <u>o</u> —	—©—
MASTER CONTROLLER		EMC	MC	HANDIOLE				VENDOR CARLE FOR CAMERA		$\prec$	_
MASTER MASTER CONTROLLER	R	EMMC	MMC	HEAVY DUTY HANDHOLE	RH	Н	H	VENDOR CABLE FOR CAMERA			
UNINTERRUPTIBLE POWER SUPPLY	UPS	EUPS	UPS	DOUBLE HANDHOLE	R S			COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		<u>—6</u> —	<u>—6</u> —
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	-D- <sup>R</sup>	-D-P	- <b>■</b> P	JUNCTION BOX GALVANIZED STEEL CONDUIT	R			FIBER OPTIC CABLE NO. 62.5/125, MM12F		— <u>(12F</u> )—	
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT	R T	PT	P	IN TRENCH (T) OR PUSHED (P)  TEMPORARY SPAN WIRE, TETHER WIRE,  AND CABLE	_R			FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F		—24F—	—24F)—
STEEL MAST ARM ASSEMBLY AND POLE ALUMINUM MAST ARM ASSEMBLY AND POLE		0					0.7	FIBER OPTIC CABLE NO. 62.5/125,		$\prec$	
		0		COMMON TRENCH  COILABLE NONMETALLIC CONDUIT (EMPTY)			CT CNC	(NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)		<del>-</del> >-	<del>-</del>
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	<sup>R</sup> O-≭	O <b>-</b> X	<b>●</b> <del>※</del> · · ·	SYSTEM ITEM		S	S	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM,		c ⊪⊸	<sup>C</sup> ı∥—•
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	r <sub>Q</sub> Pizh	PTZ	PIZ	INTERSECTION ITEM		Ι	IP	OR (S) SERVICE		7	•
SIGNAL POST	RO	0	•	REMOVE ITEM	R			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
TEMPORARY WOOD POLE (CLASS 5 OR	° R⊗	$\otimes$	•	RELOCATE ITEM	RL				RMF		
BETTER) 45 FOOT (13.7m) MINIMUM GUY WIRE	>R -	<b>&gt;</b>	<b>&gt;</b>	ABANDON ITEM 12" (300mm) TRAFFIC SIGNAL SECTION	А	R	R	FOUNDATION TO BE REMOVED	HMF		
SIGNAL HEAD	R —		-			R			RMF		
SIGNAL HEAD CONSTRUCTION STAGES NUMBERS INDICATE THE CONSTRUCTION S			<b></b> 2	12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		(P) (C)			RMF D-pc		
SIGNAL HEAD WITH BACKPLATE	+₽ <sup>R</sup>	+⊳	+-			R	R	FOUNDATION TO BE REMOVED	, <u>A</u>		
SIGNAL HEAD OPTICALLY PROGRAMMED	R ——>′′P′′	- <b>⊳</b> ′′₽′′	<b>-</b> ►"P"	SIGNAL FACE		G (G)	G	SIGNAL POST AND FOUNDATION TO BE REMOVED	RMF O		
FLASHER INSTALLATION S DENOTES SOLAR POWER)	R ○>''F''	O-⊳"F"	<b>●→</b> "F"			40	<b>4</b> Y <b>4</b> G	INTERSECTION & SAMPLING (SYSTEM) DETECTOR		IS	IS
EDESTRIAN SIGNAL HEAD	R -	-1	4			R	R	SAMPLING (SYSTEM) DETECTOR		S	S
PEDESTRIAN PUSHBUTTON DETECTOR	R (6)	<b>(a)</b>	<b>©</b>	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		<u>G</u>	G 4 Y	EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		Р	
ACCESSIBLE PEDESTRIAN PUSHBUTTON DET ILLUMINATED SIGN	R		APS			"P"	<b>4</b> G	EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PP	
"NO LEFT TURN"			•	12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL		ÓW W		PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PIS	PIS
ILLUMINATED SIGN ''NO RIGHT TURN''	R		<b>®</b>	12" (300mm) PEDESTRIAN SIGNAL HEAD						PS	
DETECTOR LOOP, TYPE I		F==3		INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR		[L2]	PS
PREFORMED DETECTOR LOOP		;; P	P	12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID		<b>(</b>	*	RAILROAD S	SYMBO	LS	
MICROWAVE VEHICLE SENSOR	R M)		<b>M1</b>	PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		( <b>P</b> ) C ( <b>S</b> ) D	<b>₽</b> C <b>★</b> D			EXISTING	PROPOSED
VIDEO DETECTION CAMERA	R		$\bigcirc$	RADIO INTERCONNECT	<del>     </del>	##+0	<del>    •</del>	RAILROAD CONTROL CABINET			
VIDEO DETECTION ZONE				RADIO REPEATER	R ERR	ERR	RR	RAILROAD CANTILEVER MAST ARM	×		X <del>CX X</del>
PAN, TILT, ZOOM CAMERA	R PTZ)1	PTZ	PIZ	DENOTES NUMBER OF CONDUCTORS, ELECTRIC		_ &	_ (5)	FLASHING SIGNAL		$X \ominus X$	<b>X</b> O <b>X</b>
WIRELESS DETECTOR SENSOR	RW	W	W	CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED		<u></u>		CROSSING GATE		X0X>	<b>X</b> • <b>X</b> •
WIRELESS ACCESS POINT	R			GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)				CROSSBUCK		<b>≥</b>	*
LE NAME = USER NAME = \$1	USER\$	DESIGNED - DW DRAWN - JDH	REVISED REVISED	STATE	OF ILLINOIS	<u> </u>			F.A.P. RTE.	SECTION	COUNTY TOTAL SHEETS
PLOT SCALE = \$5	SCALE\$	CHECKED - KMM	REVISED	DEPARTMENT			DIS	STRICT ONE – STANDARD TRAFFIC SIGNAL DESIGN DETAILS	557	32-TS (11)	CONTRACT NO. 60F





I. D. O. T. TRAFFIC SIGNAL INSTALLATION

PHASE DESIGNATION DIAGRAM

	TRAFFIC S	I GNAL I	NSTALLA	IION	
	ELECTRICAL	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	12	1 35	1 7	0.50	102
(YELLOW)	12	1 35	25	0.25	75
( GREEN)	12	1 35	15	0.25	45
ARROW	16	1 35	12	0.10	20
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					

ENERGY COSTS-

FILE NAME =

\$FILEL\$

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

ENERGY SUPPLY -CONTACT <u>MIKE LENOX</u> \_\_815-490-2869

USER NAME = \$USER\$

PLOT SCALE = \$SCALE\$

PLOT DATE = \$DATE\$

COMPANY COMED

SCHAMBURG, IL 60196-1096

TOTAL =

342

DW

JDH

KMM

REVISED

REVISED

REVISED

REVISED

DESIGNED

DRAWN

DATE

CHECKED

# SCHEDULE OF QUANTITIES

DUANTITY UNIT ITEM  CAL MO CHANGEABLE MESSAGE SIGN  CHANDEL MESSAGE SIGN  CHANGEABLE MESSAGE SIGN  CHANDEL MESSAGE SIGN  CHANDEL MESSAGE SIGN  CHANDEL MESSAGE SIGN  CHANDEAL MESSACE SIGN  CHANDEAL MESSACE SIGN  CHANDEAL MESSACE SIGN  CHANDEAL MESSACE SIGN  CHANDEAL MESSAC	CHLDULL	טו עט	MANTITIES
927 FOOT ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR 552 FOOT ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C 1,102 FOOT ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C 72 FOOT ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2 C 785 FOOT ELECTRIC CABLE AERIAL SUSPENDED, LEAD-IN, NO. 14 1 PAIR 8 EACH INDUCTIVE LOOP DETECTOR 917 FOOT DETECTOR LOOP, TYPE I 1 EACH REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE 4 EACH TEMPORARY WOOD POLE, 45 FEET, CLASS 5 1 EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL 4 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED 8 EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	DUANTITY  2  32  33  150  300  1  597  5  1  1  1  1	UNIT CAL MO SQ FT SQ FT FOOT SQ FT EACH EACH EACH EACH EACH EACH EACH	ITEM CHANGEABLE MESSAGE SIGN SIGN PANEL - TYPE 1 SIGN PANEL - TYPE 2 THERMOPLASTIC PAVEMENT MARKING - LINE 24" PAVEMENT MARKING REMOVAL SERVICE INSTALLATION - POLE MOUNTED UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. HANDHOLE HEAVY-DUTY HANDHOLE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION FULL-ACTUATED CONTROLLER AND TYPE IV CABINET SPAN WIRE
	552 1,102 72 785 8 917 1 4 1	FOOT FOOT FOOT EACH FOOT EACH EACH EACH EACH	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2 C ELECTRIC CABLE AERIAL SUSPENDED, LEAD-IN, NO. 14 1 PAIR INDUCTIVE LOOP DETECTOR DETECTOR DETECTOR LOOP, TYPE I REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE TEMPORARY WOOD POLE, 45 FEET, CLASS 5 UNINTERRUPTABLE POWER SUPPLY, SPECIAL SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED

RESTORATION OF WORK AREA RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS 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.

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CABLE PLAN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAT	E OF ILLINOIS	
DEPARTMENT	OF TRANSPORTATION	

CO ≺ 20 — (5)

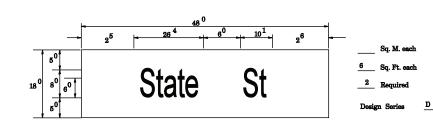
IL RTE. 72

(WEST OAK KNOLL DR.)

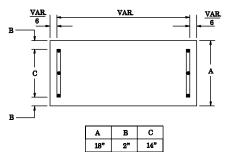
IL RT	E. 72 AND	STATE	ST/GETZE	LMAN R	D. – CABLE PLAN	RTE.	SECTION	COUNTY	SHEETS	SHEE I
SCHEDI	JLE OF QUA	NTITIE	S & PHA	SE DESI	GNATION DIAGRAM	557	32-TS (11)	KANE	13	10
			<u> </u>			CONTRACT	NO. 6	50R93		
SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

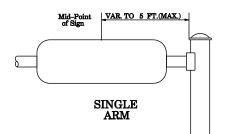
# PANEL SIGN DESIGN TYPE 1

# 9.75 Sq. Ft. each



# SUPPORTING CHANNELS





# EXAMPLE, 2 DENOTES $\frac{3}{6}$ Upper Case To Lower Case Spacing Chart 8-6 Inch Series "C & D"

						8	SEC	ONI	L	ETT	ER						
		a c	d e o q		ik l pru	fv	W	j	İ	s	t	v	у	2	ĸ	2	z
	SERIES	С	D	C	D	С	D	С	D	C	D	C	D	С	D	C	D
	AWX	1 <sup>2</sup>	14	14	15	1 <sup>2</sup>	14	06	1 <sup>0</sup>	1 <sup>1</sup>	14	06	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	14
	В	14	15	2 0	21	14	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	14	1 <sup>5</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	14	16	17
	CEG	14	1 <sup>5</sup>	2 0	2 1	$1^2$	14	06	1 <sup>0</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	1 <sup>4</sup>	14	1 <sup>5</sup>	14	1 <sup>5</sup>
F	DOQR	14	15	2 0	2 1	14	1 <sup>5</sup>	06	1 <sup>0</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	14	14	1 <sup>5</sup>	14	15
F I R	F	0 5	0 6	14	15	0 6	1 <sup>0</sup>	05	0 6	0 6	10	06	1 <sup>0</sup>	06	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
S	HIM N	2 0	2 1	2 2	2 4	20	$2^1$	14	15	16	17	16	17	20	21	20	21
-	JU	2 0	2 1	2 0	2 1	1 <sup>6</sup>	17	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	17	16	17	1 <sup>6</sup>	17	20	21
L E	K L	1 <sup>1</sup>	12	16	17	1 <sup>1</sup>	1 <sup>2</sup>	0 5	06	11	1 <sup>2</sup>	11	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	12	14
T E R	P	1 <sup>2</sup>	14	14	15	1 <sup>2</sup>	14	05	06	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	14
E R	s	1 <sup>2</sup>	14	16	17	$1^2$	14	06	1 <sup>0</sup>	1 <sup>2</sup>	14						
	T	1 <sup>1</sup>	1 <sup>2</sup>	16	17	06	1 <sup>0</sup>	06	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	14
	v	0 <sup>6</sup>	10	14	15	1 <sup>1</sup>	1 <sup>2</sup>	06	1 <sup>0</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	14
	Y	0 5	0 6	14	1 <sup>5</sup>	06	1 <sup>0</sup>	05	06	05	0 7	05	06	06	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
	z	1 <sup>6</sup>	17	2 2	2 4	1 <sup>6</sup>	17	1 <sup>2</sup>	14	16	17	1 <sup>6</sup>	17	1 <sup>6</sup>	17	20	2 <sup>1</sup>

# Lower Case To Lower Case Spacing Chart 6 Inch Series "C & D"

							SE	CON	D :	LET	TEF	3					
		a c	d e		ik l pru	fv	V	j	i	s	t	v	у	,	<b>C</b>	2	Z
	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	C	D
F	adhgij lmnqu	16	17	22	24	16	17	1 <sup>2</sup>	14	14	1 <sup>5</sup>	14	15	16	17	16	17
RS	bfkops	1 <sup>2</sup>	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
T	се	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
L	r	06	10	12	14	06	10	0 8	08	05	06	0 5	06	0 6	10	0 6	10
T	t z	1 <sup>2</sup>	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
Ē	v y	1 <sup>1</sup>	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
"	w	1 <sup>1</sup>	1 <sup>2</sup>	14	1 <sup>5</sup>	1 <sup>1</sup>	12	05	06	11	12	11	12	1 <sup>1</sup>	12	12	14
	x	1 <sup>2</sup>	14	16	17	11	12	05	06	1 <sup>1</sup>	12	11	12	11	1 <sup>2</sup>	12	14

# Number To Number Spacing Chart 8 Inch Series "C & D"

									SE	COI	4D	ΝÜ	JME	ER							
		(	0		1	2	2		3	4	L	ŧ	5	•	3	7	7	8	3	9	•
	SERIES	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D	С	D
F	0 9	1 <sup>6</sup>	17	1 <sup>6</sup>	17	14	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	14	1 <sup>5</sup>	1 <sup>6</sup>	17	1 <sup>2</sup>	14	1 <sup>6</sup>	17	1 <sup>6</sup>	17
R	1	<b>2</b> 0	2 1	<b>2</b> 0	2 1	20	2 1	1 <sup>6</sup>	17	14	15	2 <sup>0</sup>	2 <sup>1</sup>	<b>2</b> 0	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	20	2 <sup>1</sup>
Т	234	14	1 <sup>5</sup>	14	15	14	1 <sup>5</sup>	1 <sup>2</sup>	14	1 <sup>2</sup>	14	14	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	17	14	15
N U	5	14	1 <sup>5</sup>	14	1 <sup>5</sup>	14	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	14	1 <sup>5</sup>	14	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	14	15	14	15
M B	6	1 <sup>6</sup>	17	14	15	14	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	14	14	1 <sup>5</sup>	14	15	1 <sup>1</sup>	1 <sup>2</sup>	14	15	14	1 <sup>5</sup>
E R	7	1 <sup>2</sup>	14	1 <sup>2</sup>	14	14	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	05	06	1 <sup>2</sup>	14	1 <sup>4</sup>	15	1 <sup>1</sup>	1 <sup>2</sup>	14	15	1 <sup>2</sup>	14
_	8	1 <sup>6</sup>	17	1 <sup>6</sup>	17	14	1 <sup>5</sup>	1 <sup>2</sup>	15	1 <sup>2</sup>	14	14	1 <sup>5</sup>	1 <sup>6</sup>	17	1 <sup>2</sup>	14	1 <sup>6</sup>	17	14	15

# UPPER AND LOWER CASE LETTER WIDTHS

L E		UPPER				6 INCH LOWER CASE LETTERS			
E T E R	SEF	UES	SE	RIES	T T E	SERIES			
R S	С	C D		С р		C	D		
A	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>5</sup>	a	3 5	4 2		
В	3 <sup>2</sup>	40	4 8	5 <sup>8</sup>	ь	3 <sup>5</sup>	4 2		
С	3 <sup>2</sup>	4 0	48	5 <sup>3</sup>	с	3 <sup>5</sup>	4 1		
D	3 <sup>2</sup>	40	4 8	5 <sup>8</sup>	d	3 5	4 2		
E	g 0	35	40	4 7	е	3 5	4 2		
F	3 <sup>0</sup>	3 5	4 <sup>0</sup>	4 7	f	2 8	26		
G	3 <sup>2</sup>	40	4 8	5 <sup>8</sup>	g	3 <sup>5</sup>	4 2		
н	3 <sup>2</sup>	40	4 8	5 <sup>8</sup>	h	3 <sup>5</sup>	4 2		
I	0 7	0 7	1 <sup>1</sup>	1 <sup>2</sup>	i	11	1 <sup>1</sup>		
J	3 <sup>0</sup>	3 <sup>6</sup>	4 0	5 <sup>0</sup>	j	2 0	2 2		
K	3 <sup>2</sup>	41	4 8	5 4	k	3 5	4 2		
L	8 <sup>0</sup>	3 5	4 0	4 7	1	1 <sup>1</sup>	11		
м	8 <sup>7</sup>	45	5 <sup>1</sup>	6 <sup>1</sup>	m	6 <sup>0</sup>	7 0		
N	3 <sup>2</sup>	4 0	48	5 <sup>8</sup>	n	3 5	4 2		
0	3 <sup>4</sup>	42	4 5	5 <sup>5</sup>	0	3 <sup>6</sup>	48		
P	3 <sup>2</sup>	4 <sup>0</sup>	4 8	5 <sup>8</sup>	р	3 <sup>5</sup>	42		
Q	3 <sup>4</sup>	4 2	4 5	5 <sup>5</sup>	q	3 5	4 2		
R	3 <sup>2</sup>	4 0	4 8	5 8	r	2 6	3 <sup>2</sup>		
s	3 <sup>2</sup>	4 0	48	58	8	8 <sup>6</sup>	4 2		
т	8 <sup>0</sup>	3 <sup>5</sup>	40	4 7	t	2 7	3 <sup>2</sup>		
U	3 <sup>2</sup>	4 0	4 8	5 <sup>8</sup>	u	3 5	4 2		
v	3 <sup>5</sup>	4 4	4 7	6 <sup>0</sup>	v	4 2	4 7		
w	44	5 <sup>2</sup>	6 <sup>0</sup>	70	w	5 5	64		
x	3 <sup>4</sup>	40	4 5	5 <sup>8</sup>	x	44	5 <sup>1</sup>		
Y	8 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>6</sup>	У	4 6	58		
z	3 <sup>2</sup>	40	48	5 8	z	3 <sup>6</sup>	4 8		

N.	6 INCH	SERIES	8 INCH	SERIES
N <sub>U</sub> M <sub>B</sub> E <sub>R</sub>	С	D	С	D
1	1 <sup>2</sup>	14	1 5	2 0
2	3 <sup>2</sup>	40	48	58
8	3 <sup>2</sup>	40	48	5 8
4	g 5	4 8	4 7	5 <sup>7</sup>
5	3 2	40	48	5 <sup>8</sup>
6	3 <sup>2</sup>	40	4 8	58
7	3 <sup>2</sup>	40	4 8	5 3
8	3 <sup>2</sup>	4 0	48	5 <sup>8</sup>
9	3 <sup>2</sup>	40	4 8	5 <sup>8</sup>
0	8 <sup>4</sup>	4 <sup>2</sup>	45	5 5

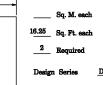
REVISIONS   DATE		ILLINOIS DEPARTMENT OF TRANSPORTATION
		ILLINOIS DEPARTMENT OF TRANSPORTATION
D.A.Z/D.A.G.	11/90	
	6/98	
CADD	1000	MAST ARM MOUNTED
		STREET NAME SIGNS
		TRAWN RY-RD

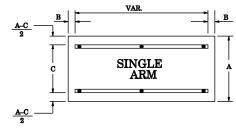
	SCALE: HORIZ. DATE 1-01-02
	SCALE: VERT.

DESIGNED BY: JHE CHECKED BY: DAD COUNTY TOTAL SHEET NO. KANE 13 11 SECTION COUNTY

# PANEL SIGN DESIGN TYPE 2







A	В	С
18"	2"	12"
30"	2"	22"

SUPPORTING CHANNELS

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

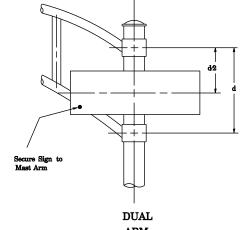
# **GENERAL NOTES**

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 884001, 884006 AND 884011, AS APPLICABLE, PLUS TWO (2) SIGN PARELS 2"-6" x 6"-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND
- 3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED
- 5. SIGNET ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND
- \* WESTERN TRAFFIC CONTROL INC.
- \* TUCKER COMPANY, INC. WAUWATOSA, WI

PARTS LISTING: SIGN CHANNEL PART #HPN053 (MED. CHANNEL) SIGN SCREWS 14 " x 14 x 1" H.W.H. #8

SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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



		ARM		
SIGNFIX	ALUMINUM	CHANNEL	FRAMING	SYSTEM

Shall be used. See Note #5.

USER NAME = \$USER\$ DESIGNED REVISED \$FILEL\$ DRAWN JDH REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

MAST ARM MOUNTED STREET NAME SIGNS SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA.

557 32-TS (11) CONTRACT NO. 60R93 TO STA.

TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.

2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND,

4. ALL BORDERS SHALL BE 34 " WIDE AND CORNER RADIUS SHALL BE 2-14 "

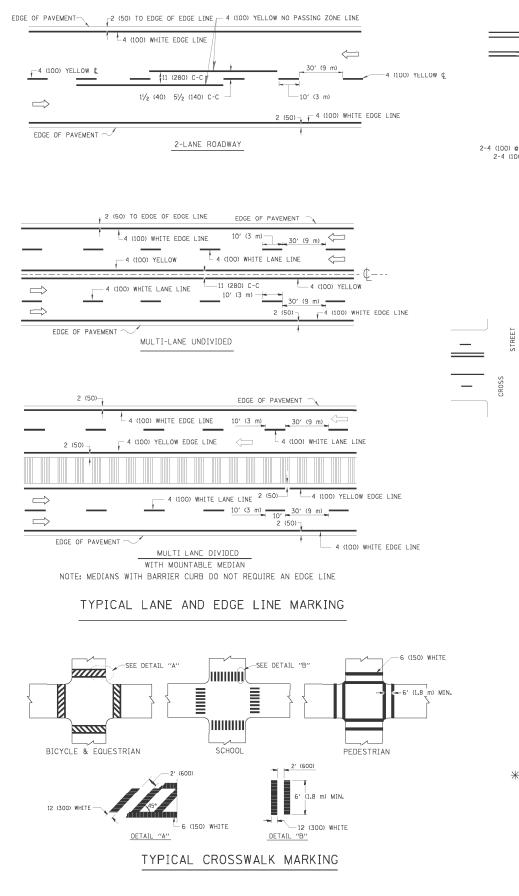
POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

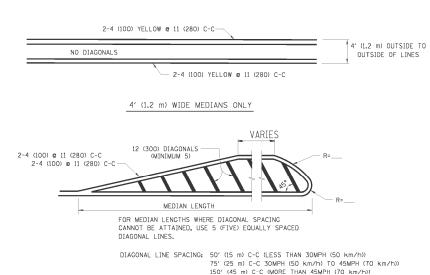
\* ART. CORPORATION \* AMERICAN FABRICATION CO.

SCHAUMBURG, IL CHICAGO HEIGHTS, IL

CHECKED КММ REVISED PLOT DATE = \$DATE\$ DATE REVISED

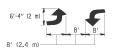






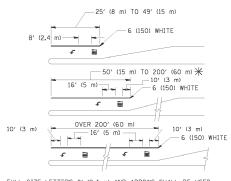
# MEDIANS OVER 4' (1.2 m) WIDE 4 (100) YELLOW 4 (100) YELLOW LINES (5½ (140) C-C) 2-4 (100) YELLOW 0 11 (280) C-C 4 (100) YELLOW LINES (5½ (140) C-C)

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



MEDIAN WITH TWO-WAY LEFT TURN LANE

# TYPICAL PAINTED MEDIAN MARKING

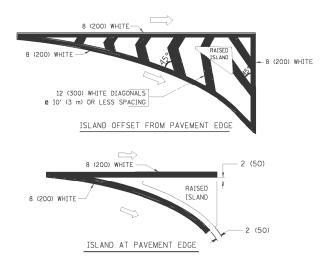


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  $\P$  AREA = 15.6 SQ. FT. (1.5 m² )  $\P$  AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

# TYPICAL TURN LANE MARKING



# TYPICAL ISLAND MARKING

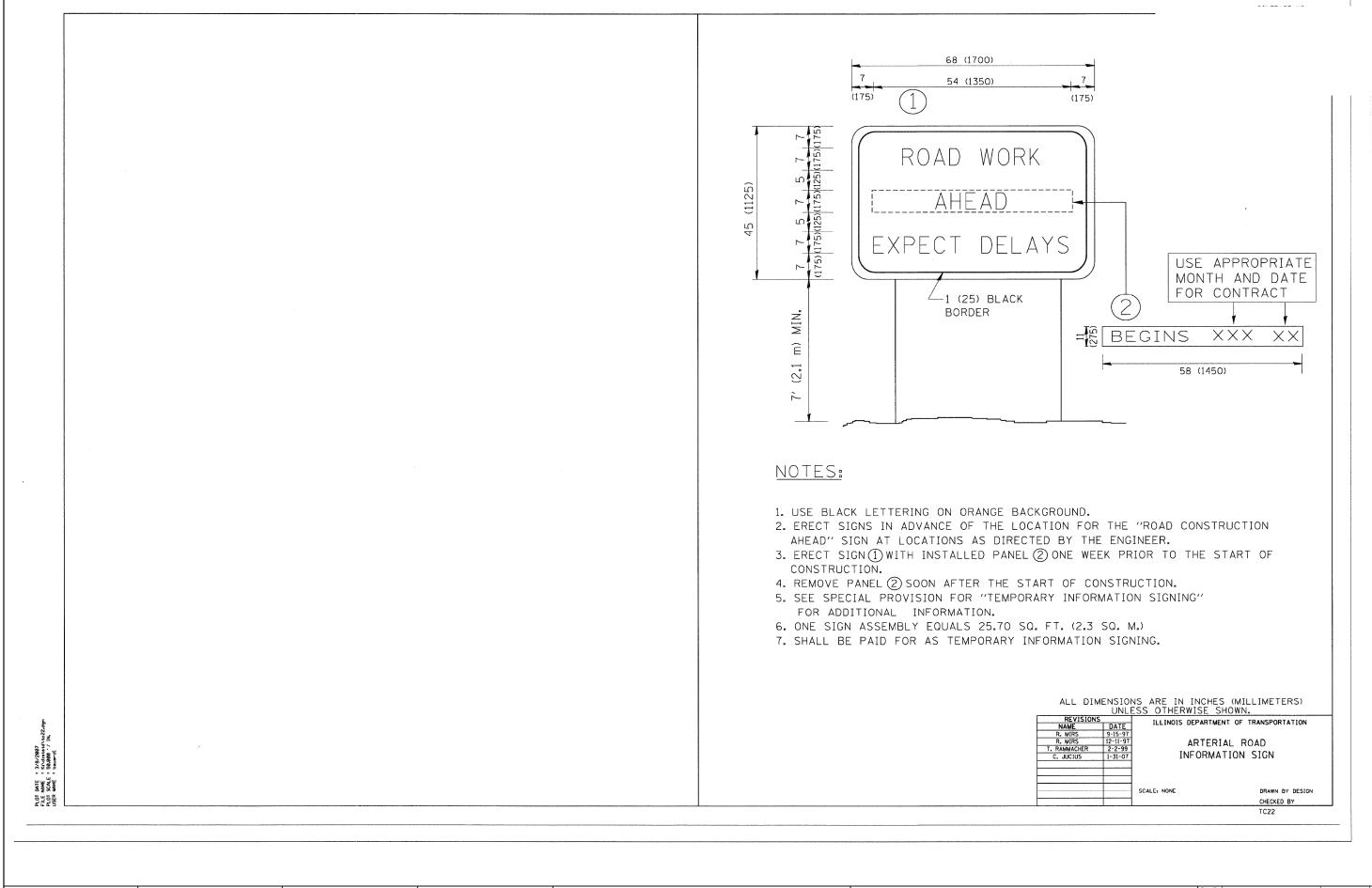
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW	SV <sub>2</sub> (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 51/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (500) APART 2' (500) APART 5EE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (0VER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (0VER 45MPH (70 km/h))

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

All dimensions are in inches (millimeters)

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	DW	REVISED -			DISTRICT ONE		F.A.P.	SECTION	COUNTY	TOTAL	HEET NO.
\$FILEL\$		DRAWN -	JDH	REVISED -	STATE OF ILLINOIS			•	557	32-TS (11)	KANE	13	12
	PLOT SCALE = \$SCALE\$	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS					CONTRACT	T NO. 6	R93
	PLOT DATE = \$DATE\$	DATE -		REVISED -	SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AI	D PROJECT		





FILE NAME = \$FILEL\$	USER NAME = \$USER\$  PLOT SCALE = \$SCALE\$	DESIGNED - DRAWN - CHECKED -	DW JDH KMM	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  SCAL	INICODMATION CICN				F.A.P. SECTION RTE. SECTION 557 32-TS (11)	COUNTY TOTAL SHEE SHEETS NO. KANE 13 13
	PLOT DATE = \$DATE\$	DATE -		REVISED -		SCALE: NONE SHEET NO. 12 OF SHEETS STA. TO STA.		TA. TO STA.	ILL INOIS FEI	ILLINOIS FED. A	CONTRACT NO. BORS