### 04-25-2025 LETTING ITEM 017

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED**

SECTION NO: 22-00247-00-RS RESURFACING **PROJECT: 06WW(152) CITY OF WAUKEGAN** LAKE COUNTY C-91-096-25





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HIGH	WAY STANDARDS
000001-08 424001-12 424011-05 424021-07 442201-03 606001-08 701006-05 701001-04 701301-04 701311-03	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS PERPENDICULAR CURB RAMPS FOR SIDEWALKS CORNER PARALLEL CURB RAMPS FOR SIDEWALKS DEPRESSED CORNER FOR SIDEWALKS CLASS C AND D PATCHES CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

- URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED 701501-06
- URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE URBAN LANE CLOSURE, MULTILANE INTERSECTION 701502-09
- 701701-10
- SIDEWALK, CORNER OR CROSSWALK CLOSURE 701801-06 TRAFFIC CONTROL DEVICES 701901-10
- 814001-03 HANDHOLES
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 878001-11 CONCRETE FOUNDATION DETAILS
- DETECTOR LOOP INSTALLATIONS 886001-01
- TYPICAL LAYOUTS FOR DETECTION LOOPS 886006-01

### **GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE 1. SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"
- 2. UTILITY LOCATIONS HAVE NOT BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS
- 3. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR (847-360-0944) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- 4. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- 5. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE 6. CITY WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- 7. THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE PARKING RESTRICTIONS. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
- 9. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- 10. ALL NITROGEN, PHOSPHOROUS AND POTASSIUM FERTILIZER NUTRIENTS HAVE BEEN INTENTIONALLY OMITTED FROM THE CONTRACT ON THE SODDING APPLICATION.
- 11. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 12. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER
- 13. THE RESIDENT ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT BRANDY.KENNEDY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 14. BEFORE BEGINNING ANY WORK. THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

6	USER NAME = jmiller	DESIGNED - CG	REVISED -		INDEX OF SHEETS, HIGHWAY STANDARDS AND		SECTION	COUNTY	TOTAL SHEET SHEETS NO.
		DRAWN - KAR	REVISED -	STATE OF ILLINOIS	CENEDAL NOTES	2736	22-00247-00-RS	LAKE	28 2
Consulting Engineers	PLOT SCALE = 20.0000 ' / in.	CHECKED - JDM	REVISED -	DEPARTMENT OF TRANSPORTATION	GENERAL NUTES			CONTRACT	NO. 61L31
	PLOT DATE = 2/27/2025	DATE - 2-25-2025	FILE - 220047_SHT-GenNotes.dgn		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS		

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### COMMITMENTS

The LPA is required to fill out the ADA Construction Inspection Form (D1 PD0039) and submit to DOT D1 ADA@illinois gov as part of the construction closeout activities. The form (D1 PD0039) is available at IDOT's Forms Website.

			CONSTRUCTION CODE
			SHERIDAN RD
	1		
CODE	ITEM	UNIT	0005
			URBAN
20200100	EARTH EXCAVATION	CU YD	60
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	106
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	115
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	275
25200110	SODDING, SALT TOLERANT	SQ YD	275
25200200	SUPPLEMENTAL WATERING	UNIT	8
28000510	INLET FILTERS .	EACH	28
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	75
35101600	AGGREGATE BASE COURSE, TYPE B 44	SQ YD	398
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	70
· · · · ·			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7,500
40600370	LONGITUDINAL JOINT SEALANT	FOOT	5,260
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	15
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	432
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE 11-4 75 N50	TON	467

### SUMMARY OF QUANTITIES

		1	CONSTRUCTION CODE SHERIDAN RD 100% FED
CODE NO.	ITEM	UNIT	ROADWAY 0005 URBAN
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D', NSO	TON	1,089
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	60
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	30
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,765
42400800	DETECTABLE WARNINGS	SQ FT	260
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	11,110
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	160
44000600	SIDEWALK REMOVAL	SQ FT	2,765
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	134
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	245
44201771	, CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	78
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
	·		
66900200	NON-SPECIAL WASTE DISPOSAL		20
66900530	SOIL DISPOSAL ANALYSIS	EACH	1
INDICATES S	ECIALIY IIEM		1

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		2736	22-00247-00-RS	LAKE	28	Э
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				CONSTRUCTION CODE SHERIDAN RD
	·			100% FED
	CODE	ITEM	UNIT	ROADWAY
	NO.		0	URBAN
٠	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
•	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1
	55901006		CAL DA	20
			CALUA	
	67100100	MOBILIZATION	L SUM	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701562	L. SUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	14,570
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4,860
1	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	492
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	16,470
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1,860
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	150
	10200261	TENDODADY DAVENENT MADVING LINE 12" DANT	600T	720
	70500201	TENTORANT PAYEMENT MARNING - LINE 12 - PAINT	r001	720
Į				

## ITEM CODE NO. 70300281 TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT 72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A 78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS 78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400 THERMOPLASTIC PAVEMENT MARKING - UNE 8" 78000500 78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12\* 78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24" 78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING 81028200 UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. 81400200 HEAVY-DUTY HANDHOLE \* 85000200 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 87301215 ELECTRIC CABLE IN CONDUIT. SIGNAL NO. 14 2C 87301305 ELECTRIC CABLE IN CONDUIT, LEAD-IN. NO. 14 1 PAIR 87900200 DRILL EXISTING HANDHOLE

INDICATES SPECIALTY ITEM

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		DRAWN – KAR	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	2736 22-00247-00-85	LAKE 28 4
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\* INDICATES SPECIALTY ITEM

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### SUMMARY OF QUANTITIES

		CONSTRUCTION CODE
		SHERIDAN RD 100% FED
	UNIT	ROADWAY
		0005
	FOOT	285
	EACH	1
	SQ FT	164
	FOOT	5,488
	FOOT	620
	FOOT	50
	FOOT	240
	FOOT	95
1, j,		
	SQ FT	2,734
	FOOT	75
	EACH	1
	EACH	1
<u>.</u>		
	FOOT	550
	FOOT	350
	EACH	2

### SUMMARY OF QUANTITIES

				CONSTRUCTION CODE
				SHERIDAN RD 100% FED
	CODE			ROADWAY
	NO.	ПЕМ	UNIT	0005
r	89600100		FOOT	URBAN
			1001	000
•	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
,	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	80502376		FACH	6
ж.				, , , , , , , , , , , , , , , , , , ,
*	89502380	REMOVE EXISTING HANDHOLE	EACH	1
	20017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	7
	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	3
٠	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
	¥0221500		70.07	764
	~UJ24335		1001	290
,	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3
	X4060286	HOT-MIX ASPHALT DRIVEWAY PAVEMENT. 6"	SQ YD	70
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	526
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	ЕАСН	3
, I	INDICATES S	L PECIALTY ITEM	1	

				CONSTRUCTION CODE SHERIDAN RD
	CODE NO.	ІТЕМ	UNIT	ROADWAY 0005
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	24
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	52
	X8760200		EACR	
к	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
,	INDICATES SI	PECIALTY ITEM		

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, ž z	-	PLOT DATE = 3/13/2025	DATE - 2-25-2025	FILE - 220047_SHT-SOQ.dgn		SCALE: NONE SHEET 3 OF 4 SHEETS STA, TO STA.		ILLINOIS	1		

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LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.

### NOTE:

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

FINISHED HMA 1/4" HIGHER THAN GUTTER FLAG.

CONTRACTOR SHALL MILL BEFORE PATCHING.

### EXISTING LEGEND EXISTING HMA BINDER & SURFACE COURSE

EXISTING AGGREGATE BASE COURSE

### PROPOSED LEGEND

- 1 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1 3/4"
- 2 NOT USED
- 3 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 3/4"
- EXISTING COMBINATION CURB AND GUTTER (4) CLASS D PATCHES 10"
- 5 HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (G) REMOVE EXISTING COMBINATION CURB & GUTTER
- (H) CLASS D PATCH

GROUND SURFACE

EXISTING SIDEWALK

A

В

 $\bigcirc$ 

D

E

(F)

- (1) SIDEWALK REMOVAL
- $(\mathbf{J})$ EARTH EXCAVATION
- $\square$ REMOVAL ITEM

- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
- (6)
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (7)AGGREGATE SUBGRADE IMPROVEMENT
- (8) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- (9)GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (11) AGGREGATE BASE COURSE, TYPE B 4"

	HMA	HMA		AGGREGATE
CORE	SURFACE	BINDER	PCC	BASE
STATION	INCH	INCH	INCH	INCH
400+25	2.50	2.50	8.00	
406+50	2.00	10.00		3.50
412+50	1.75	9.75		7.00
419+00	2.25	10.00		4.25
424+50	2.25	9.50		6.25

EXISTING PAVEMENT THICKNESS TABLE

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1 3/4"	4% @ 50 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50: 3/4"	3.5% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50: 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50: 4"	4% @ 50 Gyr.	LR1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm); 10"	4% @ 70 Gyr.	LR1030-2
QMP designation: Quality Control/Quality Assurance (QC/QA) PER LR1030-2		
NOTES:		

2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

efault P:W		USER NAME = jmiller	DESIGNED - CG	REVISED -		TYPICAL SECTIONS AND HOT-MIX	F.A.U. BTE	SECTION	COUNTY	TOTAL	SHEET
BAXTER WOODMAN			DRAWN - KAR	REVISED -	STATE OF ILLINOIS		2736	22-00247-00-RS	LAKE	28	6
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JDM	REVISED -	DEPARTMENT OF TRANSPORTATION	ASPHALI REQUIREMENTS			CONTRACT	F NO. 6	1L31	
M	_	PLOT DATE = 2/27/2025	DATE - 2-25-2025	FILE - 220047_SHT-TypSec.dgn		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS			



### HOT-MIX ASPHALT MIXTURE REQUIREMENTS



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				2736	22-0024	7-00-RS		LAKE	28	8
RUAD							CONTRACT	NO. 61	lL31	
S STA.	411+00	TO STA.	422+00			ILLINOIS				

![](_page_8_Figure_0.jpeg)

NOTE: SIGNAL AT WASHINGTON STREET USES VIDEO DETECTION

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2025 jmiller 2/27/2025 4:47:34 PM

•	USER NAME = jmiller	DESIGNED - CG	REVISED -		BC	DADWAY PLAN		F.A.U.	SECTION	COUNTY	TOTAL	SHEET
		DRAWN - KAR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					22-00247-00-RS	LAKE	28	9
	PLOT SCALE = 20.0020 ' / in.	CHECKED - JDM	REVISED -							CONTRAC	.T NO. 61'	L31
	PLOT DATE = 2/27/2025	DATE - 2-25-2025	FILE - 220047_SHT-Plan13 SheridanSout	:h.dgn	SCALE: 1" = 20' SHEET 7 OF	7 SHEETS STA.	422+00 TO STA. 427+00		ILLINOIS			

1 A R	KII	NG		

_	END IMPROVEMENTS
	SHERIDAN ROAD
	STA 426+23

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HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (TYP)

 $\odot$ 

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

					· · ·				
ITEM	EXISTING	PROPOSED	ITEM		EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET	$\boxtimes$		HANDHOLE -SQUARE				SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	$\left( \begin{array}{c} R \\ Y \end{array} \right) \left( \left( \left( \begin{array}{c} R \\ Y \end{array} \right) \left( \left( \left( \begin{array}{c} R \\ Y \end{array} \right) \right) \left( \left( \left( \begin{array}{c} R \\ Y \end{array} \right) \left( \left( \left( \left( \left( \left( \begin{array}{c} R \right) \right) \right) \left( $	R R
COMMUNICATION CABINET	ECC	CC	-ROUND	IANDHOLF					G G AY
MASTER CONTROLLER	EMC	MC	-SQUARE -ROUND		H ®	H B		P	<b>€</b> G <b>€</b> G <b>P</b>
MASTER MASTER CONTROLLER	EMMC	ММС	DOUBLE HAND	HOLE			SIGNAL HEAD WITH BACKPLATE	61 61 61	
UNINTERRUPTABLE POWER SUPPLY	¥	£	JUNCTION BOX		$\bigcirc$	0	-(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		Y Y Y
SERVICE INSTALLATION -(P) POLE MOUNTED	<sup>P</sup>	° - <b>∎</b> -	RAILROAD CAN	ITILEVER MAST ARM	X <del>CX X</del> X	X <del>•X</del> X			
SERVICE INSTALLATION	G	GM G GM	RAILROAD FLAS	SHING SIGNAL	<del>ZoZ</del>	XOX		P RB	P RB
-(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CRO	DSSING GATE	<u>x0x</u> >		PEDESTRIAN SIGNAL HEAD		¥ 4
TELEPHONE CONNECTION	ET	Т	RAILROAD CON				AT RAILROAD INTERSECTIONS		
STEEL MAST ARM ASSEMBLY AND PO	LE O	- •		CONDUIT (UC)			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C C D	v c ★ D
ALUMINUM MAST ARM ASSEMBLY AND	D POLE	>	GALVANIZED S	TEEL					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIR	e O-X	- • <del>x</del>	TEMPORARY SP TETHER WIRE,	PAN WIRE, AND CABLE			"NO LEFT TURN"/"NO RIGHT TURN"		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORAR	Ŷ	• • BM	SYSTEM ITEM	ITEM	s I	SP	NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
WOOD POLE	$\otimes$	θ	REMOVE ITEM			R	GROUND CABLE IN CONDUIT,		<u> </u>
GUY WIRE	$\succ$	$\succ$	RELOCATE ITEN	М		RL	NO. 6 SOLID COPPER (GREEN)	$\sim$	
SIGNAL HEAD		-	ABANDON ITEM	1		А	NO. 14 1/C	1)	
SIGNAL HEAD WITH BACKPLATE	+>	+►	CONTROLLER C	CABINET AND		RCF	COAXIAL CABLE	— <u>c</u>	— <u>c</u> —
SIGNAL HEAD OPTICALLY PROGRAMM	ED> <sup>P</sup> +t	$\rightarrow^{P} \rightarrow^{P} \rightarrow^{P} \rightarrow^{P}$	MAST ARM POL				VENDOR CABLE	(v)	(V)
FLASHER INSTALLATION -(FS) SOLAR POWERED	ମ> <sup>F</sup> ମ	$>^{FS} \bullet \bullet^{F} \bullet \bullet^{FS}$	5 FOUNDATION T	O BE REMOVED		RMF	COPPER INTERCONNECT CABLE.		
			SIGNAL POST A FOUNDATION T	AND TO BE REMOVED		RPF	NO. 18, 3 PAIR TWISTED, SHIELDED		
PEDESTRIAN SIGNAL HEAD	-0	-1	DETECTOR LOC	DP, TYPE I		$\Box$ $\bigcirc$	-NO. 62.5/125, MM12F -NO. 62.5/125, MM12F	(12F)	-(12F)
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH	I BUTTON © © A	APS	PREFORMED DE	ETECTOR LOOP	P (P)	P P	-NO. 62.5/125, MM12F SM24F	24F	24F
RADAR DETECTION SENSOR		R	SAMPLING (SYS	STEM) DETECTOR	5 (5)	5 (5)		36F	36F
VIDEO DETECTION CAMERA		V	INTERSECTION (SYSTEM) DETE	AND SAMPLING ECTOR	(21) (21)	IS (IS)			
RADAR/VIDEO DETECTION ZONE			QUEUE AND SA (SYSTEM) DETE	AMPLING ECTOR	QS QS	QS QS	-(C) CONTROLLER -(M) MAST ARM		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZJ	PTZ	WIRELESS DET	ECTOR SENSOR	$(\mathfrak{W})$	0	-(P) POST -(S) SERVICE		
EMERGENCY VEHICLE LIGHT DETECTO	DR <	•	WIRELESS ACC	ESS POINT					
CONFIMATION BEACON	-⊂	H							
WIRELESS INTERCONNECT	· <del>·/   </del>	•++ <del>   </del>							
WIRELESS INTERCONNECT RADIO REP	PEATER ERR	RR							
								164 1	
USER NA	ME = footemj	DESIGNED - IP DRAWN - IP	REVISED	ST/	ATE OF ILLINOIS		DISTRICT ONE	F.A. SECTIO	N COUNTY TOTAL SHEET SHEETS NO. 0-RS LAKE 28 10
PLOT SC/ PLOT DA	ALE = 50.0000 ' / in. TE = 3/4/2019	CHECKED - LP DATE - 9/29/2016	REVISED -	DEPARTMEN	NT OF TRANSPORTATION	SCALE: NONE SH	EET 1 OF 7 SHEETS STA. TO STA.		INOIS FED. AID PROJECT

ti i EL: De NAME: Q L

![](_page_9_Figure_3.jpeg)

### 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.

![](_page_10_Figure_8.jpeg)

- 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.

![](_page_10_Figure_13.jpeg)

### **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.

![](_page_10_Figure_19.jpeg)

DETAIL "A" LOOP-TO-LOOP SPLICE

![](_page_10_Figure_21.jpeg)

### 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.

USER NAME = footemj	DESIGNED -	REVISED -				פוס	TRICT O	NF		F.A. BTF	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS					I DECICAL I		2749	22-00247-00-RS	LAKE	28	11
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	2	TANDARD	IKAFFIU	5 SIGNA	L DESIGN I	JETAILS		TS-05	CONTRACT	LNO. 6	1L31
PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE	SHEET 2	OF 7	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

![](_page_10_Figure_32.jpeg)

DETAIL "B"

LOOP-TO-CONTROLLER SPLICE

### TYPE I LOOP

![](_page_10_Figure_34.jpeg)

### PRE-FORMED LOOP

### DETAIL "B" LOOP-TO-CONTROLLER SPLICE

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

![](_page_11_Figure_0.jpeg)

![](_page_11_Figure_1.jpeg)

TRAFFIC S	IGNAL	EQUIPMENT	OFFSE
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TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOL
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOU
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOU
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOU
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOU
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOL
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOL

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.

USER NAME = footemj	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS			DIST	RICT OF	NE
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	S	IANDARD	IRAFFIC	SIGNA	LD
PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE	SHEET 3	OF 7	SHEETS	S

![](_page_11_Figure_11.jpeg)

![](_page_12_Figure_0.jpeg)

וכ	NE	F.A. RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	DESIGN DETAILS	2749	22-00247	'-00-RS		LAKE	28	13
	L DESIGN DETAILS		TS05			CONTRACT	NO. 6	1L31
5	STA. TO STA.			ILLINOIS	FED. A	D PROJECT		

![](_page_13_Figure_0.jpeg)

**DEPARTMENT OF TRANSPORTATION** 

CHECKED

DATE

PLOT SCALE = 50.0000 ' / in.

PLOT DATE = 3/4/2019

REVISED

REVISED

STANDARD TRAFFIC SIGN SHEET 5 OF 7 SHEET SCALE: NONE

ength	<ol> <li>Foundation</li> <li>Depth</li> </ol>	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
(9 <b>.</b> 1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
equal to	13'-6" (4₌1 m)	30" (750mm)	24'' (600mm)	8	6(19)
ess than m)	11'-0" (3.4 m)	36'' (900mm)	30" (750mm)	12	7(22)
equal to less than m)	13'-0" (4.0 m)	36'' (900mm)	30" (750mm)	12	7(22)
equal to d up to m)	15'-0" (4.6 m)	36'' (900mm)	30" (750mm)	12	7(22)
equal to less than m)	21'-0" (6.4 m)	42'' (1060mm)	36" (900mm)	16	8(25)
equal to d up to m)	25'-0" (7 <b>.</b> 6 m)	42'' (1060mm)	36'' (900mm)	16	8(25)

0	NE		F.A. RTE.	SEC	FION		COUNTY	TOTAL SHEETS	SHEET NO.
AL DESIGN DETAILS		2749	22-00247	7-00-RS		LAKE	28	14	
	AL DESIGN DETAILS			TS05			CONTRACT	NO. 6	1L31
s	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		

![](_page_14_Figure_0.jpeg)

	с	HEIGHT	WEIGHT
1)	19 <b>"</b> (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
m)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
n)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
n)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

DNE AL DESIGN DETAILS		F.A. RTE.	SECT	LION		COUNTY	TOTAL SHEETS	SHEET NO	
		2749	22-00247	7-00-RS		LAKE	28	15	
		TS05			CONTRACT NO. 61L31				
5	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		

![](_page_15_Figure_0.jpeg)

![](_page_15_Picture_1.jpeg)

R10–3b

![](_page_15_Picture_3.jpeg)

R10–3d

![](_page_15_Figure_4.jpeg)

R10–3e

SI	GN	ТΔ	RI	F
ы	UN	IA	DL	

	_
SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

### NOTES:

- 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING. 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING
- TWO DIRECTIONS ON THE SAME PHASE SHALL BE **BI-DIRECTIONAL.**
- 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

![](_page_15_Figure_12.jpeg)

DNE		F.A. RTE.	SECT	FION		COUNTY	TOTAL SHEETS	SHEET NO.	
1	I DESIGN DETAILS		2749	22-00247	7-00-RS		LAKE 28		16
AL DESIGN DETAILS		TS-05				CONTRACT NO. 61L31			
5	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		

![](_page_16_Figure_0.jpeg)

USER NAME = jmiller	USER NAME = jmiller	DESIGNED - JSW	REVISED -		т	BAFFIC SIGN	
BAXTER		DRAWN - MZ	REVISED -	STATE OF ILLINOIS			
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JSW	REVISED -	DEPARTMENT OF TRANSPORTATION	SH	IERIDAN RU	AD AND
	PLOT DATE = 3/13/2025	DATE - 2-25-2025	FILE - 220047_SHT-APS1.dgn		SCALE: 1" = 20'	SHEET 1 O	F 1 SHEET

![](_page_16_Picture_4.jpeg)

### **REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED ON THE CONTRACT BID PRICE.

5 EACH PEDESTRIAN PUSH BUTTON

### TS 15035 CENTRACS Formerly ECON 204

RNIZATION PLAN		F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D	RELVIDERE STREET		2736	22-00247-00-RS	LAKE	28	17
BELVIDERE STREET					CONTRACT	NO. 6	1L31
S	STA.	TO STA.		ILLINOIS			

EXISTING AND PROPOSED	EXISTING AND	PROPOSED EMERGE	ENCY LEGEND:		
CONTROLLER SEQUENCE	VEHICLE PRE	EMPTION SEQUENC		ECTED PHASE	
N.		Ν			
BELVIDERE ST	<u>Belvidere st</u>	SHERIDAN RD	<ul> <li>(*) PROTE</li> <li>-(*)- ► PEDES</li> <li>▲</li> <li>◆</li> <li>OL OVERI</li> </ul>	ECTED/PERMITTED PHASE	IERIDAN ROAD
				·	S S
SUMMARY OF QU	ANTITES			2 @ APS A	
		AL		3 2 1	
LINDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	EOOT 75	Y			
HEAVY-DUTY HANDHOLE	EACH 1				
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLA	TION EACH 1				
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT 550	)			
DRILL EXISTING HANDHOLE	FOOT 350	)			
REBUILD EXISTING HANDHOLE	EACH 6			3#20	
REMOVE EXISTING HANDHOLE	EACH 1				
DETECTOR LOOP, TYPE I	FOOT 536	BELVIDERE		5)	
MODIFY EXISTING CONTROLLER CABINET	EACH 1				
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH 1				
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL II	EACH 1	<u> </u>			
PEDESTRIAN SIGNAL POST, 5 FT.	EACH 2	<u>,</u>			
ACCESSIBLE PEDESTRIAN SIGNALS	EACH 8		(	2)	
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT 8			· · · · · · · · · · · · · · · · · · ·	_
TRAFFIC SIGNAL				5)-( <u>~</u> ,>(U)	
ELECTRICAL SERVICE REQUIREMENTS			Р Ц 📩		
		TRACER CABLE —		$3 - \frac{1}{2}$	
TYPE WATTAGE WATTAGE SIGNAL HEAD 3-SECTION 9 11 99		NO. 14			
4-SECTION 14 5-SECTION 4 13 52				2)—@ APS	
PROGRAMMABLE SIGNAL 3-SECTION - 22					
4-SECTION - 32 5-SECTION - 28				2)@ APS	
PEDESTRIAN SIGNAL         8         15         120           CONTROLLER         1         150         150			24 F		$\begin{pmatrix} 7 \\ 7 \end{pmatrix} \begin{pmatrix} \# \\ 20 \end{pmatrix} \begin{pmatrix} 3 \\ 3 \end{pmatrix} \begin{pmatrix} 5 \\ 5 \end{pmatrix}$
MASTER CONTROLLER - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100					
DETECTION RADAR - 20 -	TO G	ENESEE STREET	N N		
BLANK-OUT SIGN 25			``		
NETWORK SWITCH (I OR II)     -     35     -       CELLULAR MODEM     -     15     -			~	T[	-0-1#6
TOTAL FOR UPS = 446           UPS CHARGING         1         225         225           BATTERY HEATER MAT         1         180         180           CABINET HEATER         1         200         200				M	Ā
LED STREET NAME SIGN 120			(	#	
LUMINAIRE - 240				6/	
CITY OF WAUKEGAN			2#6		
100 N. MARTIN LUTHER KING JR. AVE WAUKEGAN, IL 60685				4	
ENERGY SUPPLY CONTACT: DANIEL MENDEZ			S '' 'T' (1#6)		
PHONE: 773-799-6111 COMPANY: COMMONWEALTH EDISON				<u></u>	
ACCOUNT NUMBER: 54776-83000					
USER NAME = jmiller	DESIGNED - JSW	REVISED -			CABLE PLAN, PHASE DESIGNATION DI
BAXTER WOODMAN	DRAWN - MZ CHECKED - ISW	REVISED -		ΙLLINUIS ΓΡΔΝΙΣΡΩΡΤΔΤΙΩΝ	PREEMPTION SEQUENCE AND SU
PLOT DATE = 3/13/2025	DATE - 2-25-2025	FILE - 220047_SHT-APS2.dgn			SCALE: N.T.S. SHEET 1 OF 1 SHEETS

...\plotdrv\pdf-BW\_Default.plt ...\220047\_PH\_II\_Sheridan\_Pen.tbl P:\WAUKC\220047-2022\_STP\_Projec

![](_page_17_Figure_3.jpeg)

ILLINOIS

TO STA.

![](_page_18_Figure_0.jpeg)

...\220047 PH II Sheridan Pen.tbl P:\WAUKC\220047-2022 STP Projects\CAD\Sheets\_Phase II Sheridan\220047\_SHT-ADA

ATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM ENSE NO. - 184-001121 - EXPIRES 4/30/2025 Iller 2/27/2025

RR	(0.7%)		- (SS					1 ( )
		6'		               	-			
		(0.8%)	-00		EX TY	C& PE I	G 3.6-2	24
КК					-((			
0.3% 1.3	0.3%	1.5%	.6%- .2% }	(0.5%)		-		
		1878	10'	(MM)	P	Р		
FF II		/ /	-(JJ) APS P DN EX	USH BI ( MAST	JT <sup>-</sup>	FON: RM	S	
-(EE)	BB	STA	TION	OFFSE	T T	ELE	/ATI(	) NC
$\bigcirc$		400-	+76.0		<u></u> ^I	(62	27.13	<u>י פ</u> וויר
		408-	+69.5	23 9' 1	2	6	$\frac{2}{267}$	<u>, ,</u> , ,
	FF	408-	+69.4	27.1		67	26.6	<u>-</u>
	FF	408-	+64.9	32.5'	<del>را</del>	62	26.7	<u>-</u>
	GG	408-	+75.3	29.5' 1	RT	62	26.60	<u>)</u> ,
	HH	408-	+74.5	33.8' F	RT	62	26.52	2'
	II	408-	+70.6	38.3' F	RΤ	62	26.60	)'
	JJ	408-	+74.5	45.8' F	RΤ	62	26.62	2'
	KK	408-	+79.2	45.3' I	RΤ	62	26.5	5'
	LL	408-	+81.8	45.1' F	RΤ	62	26.59	9'
LEVATION	MM	408-	+75.2	50.7' I	RT	62	26.63	3'
	NN	408-	+79.4	50.4' F	RΤ	62	26.5	7'
	00	408-	+82.0	50.2' F	RT	62	26.6	1'
	PP	408-	+74.7	60.7' F	RT	(62	27.2	5')
_K	QQ	408-	+78.9	61.0' F	RT	(62	27.2	7')
	RR	409-	+07.5	44.4' 6	<u> </u>	(62	26.8	5')
NGS	SS	409-	+07.1	50.3' F	₹T	(62	26.8	1')
ΔΙΙ S		F.A.U.	SE	CTION	СС	DUNTY	TOTAL	SHEET
ELVIDERE STREFT		KIE.	22-002	47-00-RS	L	AKE	28	19
S STA. TO	STA.	<b>_</b>			СО	NTRACT	NO. 61	L31

![](_page_19_Figure_0.jpeg)

![](_page_20_Figure_0.jpeg)

![](_page_20_Figure_1.jpeg)

PORTLAND CEMENT CONCRETE (P.C.C.) SIDEWALK, 5-INCH NO SCALE

 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2025 Imilier
 2/27/2025
 4:49:06 PM

 MODEL: Default
 2/27/2025
 4:49:06 PM
 PM

USER NAME = jmiller	DESIGNED - CG	G REVISED	D -							F.A.U. RTE	SECTION	COUNTY TOT		, SHEET		
BAXTER		DRAWN - KA	R REVISED	D -	STATE OF ILLINOIS	MISCELLANEOUS DETAILS			MISCELLANEOUS DETAILS 2749		2749	22-00247-00-RS	LAKE	28	21	
Consulting Engineers PLOT	PLOT SCALE = 20.0000 ' / in.	CHECKED - JDI	M REVISED	D -	] DEPARTMENT OF TRANSPORTATION $[$					_		CONTRAC	T NO. 6	1L31		
	PLOT DATE = 2/27/2025	DATE - 2-25-	-2025 FILE - 22	220047_SHT-MiscDetails.dgn			NONE	SHEET 1	OF 1 SH	IEETS STA.	TO STA.		ILLINOIS			

### **CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING) AROUND THE STRUCTURE.

  - METAL PLATE.
  - AFTER MILLING).
- STAGE 2 (AFTER PAVEMENT MILLING)
- - FINAL SURFACE ELEVATION.

- ENGINEER."
- ① SUB-BASE GRANULAR MATERIAL
- (2) EXISTING PAVEMENT
- (3) 36 (900) DIAMETER METAL PLA
- (4) PROPOSED CRUSHED STONE AN HMA SURFACE MIX
- (5) EXISTING STRUCTURE

### LOCATION OF STRUCTURES

### **BASIS OF PAYMENT**

- (SPECIAL)."
- RECONSTRUCTION.
- BE PAID FOR SEPARATELY.

![](_page_21_Figure_23.jpeg)

### <u>NOTES</u>

- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

DETAILS F FRAMES AND LIDS ADJUST SCALE: NONE SHEET 1 OF 1 SHEET

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

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A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE. C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE. B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE. \* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE

### **LEGEND**

	6 FRAME AND LID (SEE NOTES)
	(7) CLASS PP-2* CONCRETE
ATE ND	(8) PROPOSED HMA SURFACE COURSE
	(9) PROPOSED HMA BINDER COURSE

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED

2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE

3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL

4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

•0	OR		F.A. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
MENT WITH MILLING		2749	22-00247-		LAKE	28	22		
		BD600-03 (BD-08)				CONTRACT NO. 61L31			
5	STA.	TO STA.		I	ILLINOIS	FED. AI	D PROJECT		

![](_page_22_Figure_0.jpeg)

 $\star$  3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

 $\star\star$  if the final surface of the pavement is concrete, the gutter is to be flush WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF HUMOIS		CURB OR CURB AND GUTTER	F	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - M. GOMEZ 01-22-01	STATE OF ILLINUIS	REMOVAL AND REPLACEMENT		2	2749	22-00247-00-RS	LAKE	28	23
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	DEPARTMENT OF TRANSPORTATION				BD600-06 (BD-24)		CONTRACT NO.		L31
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1 OF 1 SHEETS STA.	TO STA.	ILLINOIS FED. A		AID PROJECT		

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

![](_page_22_Picture_10.jpeg)

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

![](_page_23_Figure_0.jpeg)

AND		F.A. RTE.	A. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
	ETAILS		2749	22-00247	-00-RS	LAKE	28	24	
-			_	BD400–05 BD–32 CONTRACT NO.					1L31
ŝ	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT		

ROAD (ROAD (ROAD (ROAD) (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SUBULETION (SU
NOTES:
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:
<ul> <li>a) ONE ROAD CONSTRUCTION AREAD SIGN 36 X 36 (900X900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.</li> <li>b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY PLOCKING WITH TYPE I TYPE II OP TYPE III PARPICADES 1/2 OF</li> </ul>
THE CROSS SECTION OF THE CLOSED PORTION.
AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

	USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00		TRAFFIC CONTROL AND PROTECTION FOR	F.A. SECTION	COUNTY TOTAL SHEET SHEETS NO.
		DRAWN -	REVISED - A. SCHUETZE 07-01-13	STATE OF ILLINOIS		2749 22-00247-00-RS	LAKE 28 25
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	DEPARTMENT OF TRANSPORTATION	SIDE NUADS, INTENSECTIONS, AND DRIVEWATS	TC-10	CONTRACT NO. 61L31
F	PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	SC	SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	ILLINOIS FE	D. AID PROJECT

![](_page_24_Figure_3.jpeg)

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

![](_page_25_Figure_0.jpeg)

PLOT DATE = 3/4/2019

DATE

03-19-90

REVISED -

C IUCIUS 04-12-16

D(FT)

SPEED LIMIT

### LANE REDUCTION TRANSITION

★ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

F LINE	PATTERN	COLOR	SPACING / REMARKS
	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
	SOLID	YELLOW	11 (280) C-C
	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
EWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
BEING	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
ULL « .4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
N ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHEWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
TH DNALS USED FOR E MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
2 (300) 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
VERSE 5' (1.8 m) 00)	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: **=3.6 SQ. FT. (0.33 m ) <sup>2</sup> EACH *X*=54.0 SQ. FT. (5.0 m ) <sup>2</sup>
SOLID WHITE - RIGHT YELLOW - LEFT			50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
	SOLID	WHITE	16.3 SF
	SOLID	WHITE	30.4 SF

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

ONE			F.A. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.	
г	MARKINGS			22-00247	-00-RS	LAKE	28	26		
				TC-13 CONTRACT NO.						
S	STA.	TO STA.			ILLINOIS	FED. AI	D PROJECT			

SHEET 1 OF SHEET

SCALE: NONE

![](_page_26_Figure_0.jpeg)

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98				F.A.	SECTION	COUNTY	TOTAL S	SHEET
	DRAWN -	REVISED - E. GOMEZ 08-28-00	STATE OF ILLINOIS	SHORT TH	ERM PAVEMENT MARKING LETTERS AND SYMBOLS	2749	22-00247-00-RS	LAKE	28	27
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	DEPARTMENT OF TRANSPORTATION				TC-16	CONTRACT	F NO. 61	L31
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		-

![](_page_27_Figure_0.jpeg)

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97			ΔΑΤΕΡΙΔΙ ΒΟΔΟ		F.A.	SECTION	COUNTY	TOTAL	SHEET		
	DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS						2749	22-00247-00-RS	LAKE	28	28
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION		INFORMATION SIGN					TC-22		ΓNΟ. 6	1L31
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		