

11-07-2025 LETTING ITEM 148

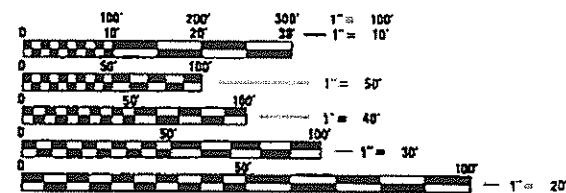
FOR INDEX OF SHEETS,
SEE SHEET NO. 2
FOR HIGHWAY STANDARDS, AND DETAILS
SEE SHEET NO. 3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR
FEDERAL AID HIGHWAY**

FAU 1034 (BALMORAL AVENUE)
FROM PEARL STREET TO DES PLAINES RIVER ROAD
FAU 2710 (DES PLAINES RIVER ROAD)
FROM FOSTER AVENUE TO DEVON AVENUE
TRAFFIC SIGNAL MODIFICATION AND
HIGH VISIBILITY BACKPLATE INSTALLATION
SECTION: 19-00035-00-SP
PROJECT NO.: DLYC(077)
VILLAGE OF ROSEMONT
COOK COUNTY
JOB NO. C-91-359-19

TRAFFIC DATA

ROUTE SEGMENT	SPEED (MPH)	ADT (2022)	CLASSIFICATION
DES PLAINES RIVER ROAD	35	28,500	MINOR ARTERIAL
BALMORAL AVENUE	25	13,400	MINOR ARTERIAL



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

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

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500
PROFESSIONAL DESIGN FIRM No. 154-001742
EXPIRATION DATE: 04-30-2025

CONTRACT NO. 61L21

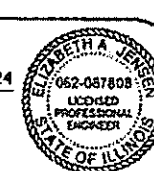
FOR SHEETS: 11-13, 19-29

Stephen N. Sugg 12/26/2024
ENGINEER
STEPHEN N. SUGG
ILLINOIS REGISTRATION No. 062-044117
EXPIRATION DATE: 11-30-2025



LEYDEN TOWNSHIP
GROSS LENGTH = 800 FT. = 0.15 MILES
NET LENGTH = 800 FT. = 0.15 MILES

Elizabeth A. Jensen 12/26/2024
ENGINEER
ELIZABETH A. JENSEN
ILLINOIS REGISTRATION No. 062-087808
EXPIRATION DATE: 11-30-2025



F.A.H. RTE.	SECTION	COUNTY	TOTAL SHEETS
19-00035-00-SP	19-00035-00-SP	COOK	101
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 61L21	



LOCATION OF SECTION INDICATED THUS: —

- SN 016-9963 (WB I-90)
- SN 016-9878 (EB I-90)
- SN 016-6342 (EB I-90 LOCAL LANES)
- SN 016-0512 (I-190 WB)
- SN 016-0512 (I-190 EB)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED <i>Jan 2, 2024</i> <i>Eric D. Smith</i>	VILLAGE OF ROSEMONT
PASSED <i>Jan 3, 2025</i> <i>Eric D. Smith</i>	DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW <i>1.6 2025</i> <i>Joe R. O'Keefe</i>	REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS

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FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\20004\Traffic\High Visibility	Backplate_Plans\02.INDEX-sht.20004.dgn	DRAWN - FPB	REVISED -						1034 & 2710	19-00035-00-SP	COOK	101	2
	PLOT SCALE = 2'	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L21								
	PLOT DATE = 6/20/2025	DATE -	REVISED -										
				SCALE: NOT TO SCALE	SHEET NO.	OF	SHEETS	STA.	TO STA.				
				FED. ROAD DIST. NO. 1					ILLINOIS	FED. AID PROJECT :			

PROFILE

NOTE BOOK
NO. _____

SURVEYED _____
PLOTTED _____
BY: _____
DATE: _____

NOTATION
STRUCTURE NOTATION: CHKD

BY _____

DATE _____

CHRISTOPHER B. BURKE

CBB

ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN

NOTE BOOK
NO. _____

SURVEYED _____
PLOTTED _____
BY: _____
DATE: _____

NOTATION
STRUCTURE NOTATION: CHKD

BY _____

DATE _____

GENERAL NOTES

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES, THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 FOR UTILITY LOCATIONS.
2.

THE CONTRACTOR SHALL NOTE THAT THE ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE FINISHED GRADE ELEVATIONS AND THAT PAVEMENT THICKNESS, TOPSOIL, ETC. MUST BE SUBTRACTED TO DETERMINE SUBGRADE ELEVATIONS.
3.

NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE RESIDENT ENGINEER. APPROVAL TO PROCEED MUST BE OBTAINED PRIOR TO INSTALLING PAVEMENT BASE, BINDER, SURFACE, AND PRIOR TO PLACING ANY CONCRETE AFTER FORMS HAVE BEEN SET.
4.

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.
5.

THE 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.

HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635001-02	DELINEATORS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS DAY ONLY
701427-05	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS LESS THAN 40MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARDS PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT DETAILS

DETAIL NO.	DESCRIPTION
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

SUMMARY OF QUANTITIES

				CONSTRUCTION CODE: 0021														
				90% FEDERAL / 10 % LOCAL														
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RIVER RD & FOSTER	RIVER RD & TECHNOLOGY	RIVER RD & BALMORAL	RIVER RD & WILLIAM ST	RIVER RD & BRYN MAWR	RIVER RD & CTA	RIVER RD & RAMP 32X	RIVER RD & WESTIN	RIVER RD & HIGGINS (IL 72)	RIVER RD & ONE O'HARE	RIVER RD & DEVON AVE	BALMORAL AVE & FASHION OUTLETS WAY	BALMORAL AVE & I-294 RAMPS	BALMORAL AVE & PEARL ST	INTERCONNECT
20200100	EARTH EXCAVATION	CU YD	121	4	4	4	39	4			38		28					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	50				16			5	20		9					
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	43				43											
25000210	SEEDING, CLASS 2A	ACRE	0.01				0.003			0.001	0.004		0.002					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1				0.3			0.1	0.3		0.3					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1				0.3			0.1	0.3		0.3					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1				0.3			0.1	0.3		0.3					
25100630	EROSION CONTROL BLANKET	SQ YD	50				5			15	15		15					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1				0.3			0.1	0.3		0.3					
28000510	INLET FILTERS	EACH	12				4			2	4		2					
31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	508				306			25	131		46					
31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	494				174			39	160		121					
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	284				158			22	60		24					
40800275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	666				222				222		222					
40800290	BITUMINOUS MATERIALS (TACK COAT)	POUND	67				22				23		22					
40804062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	34				19			2	10		3					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3067				1448			225	984		410					
42400600	DETECTABLE WARNINGS	SQ FT	400				230			25	119		26					
44000100	PAVEMENT REMOVAL	SQ YD	410				245			22	118		24					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	613				243			56	242		72					

* SPECIALTY ITEM

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 1 OF 7)				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\2004\Treffle\High Visibls	Backplate.Plans\04.500.2004.dgn	DRAWN - FPB	REVISED -						1034 & 2710	19-00035-00-SP	COOK	101	4
	PLOT SCALE = 2'	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L21								
	PLOT DATE = 7/21/2025	DATE -	REVISED -										
					SCALE: NOT TO SCALE	SHEET NO.	OF	SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT :	

SUMMARY OF QUANTITIES

PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	CHECKED		
	DATE		
PLAN	SURVEYED	DATE	BY
	PLOTTED		
	CHECKED		
	DATE		
PLAN	SURVEYED	DATE	BY
	PLOTTED		
	CHECKED		
	DATE		

CHRISTOPHER B. BURKE
ENGINEERING LTD.
5775 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 833-0580

CB
E

SURVEYED	DATE	BY
PLOTTED		
CHECKED		
DATE		

CONSTRUCTION CODE: 0021																		
90% FEDERAL / 10 % LOCAL																		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RIVER RD & FOSTER	RIVER RD & TECHNOLOGY	RIVER RD & BALMORAL	RIVER RD & WILLIAM ST	RIVER RD & BRYN MAWR	RIVER RD & CTA	RIVER RD & RAMP 32X	RIVER RD & WESTIN	RIVER RD & HIGGINS (IL 72)	RIVER RD & ONE O'HARE	RIVER RD & DEVON AVE	BALMORAL AVE & FASHION OUTLETS WAY	BALMORAL AVE & I-294 RAMP	BALMORAL AVE & PEARL ST	INTERCONNECT
44000600	SIDEWALK REMOVAL	SQ FT	3717				2100			219	995		403					
50300285	FORM LINER TEXTURED SURFACE	SQ FT	100				100											
60250200	CATCH BASINS TO BE ADJUSTED	EACH	4				3			1								
60255500	MANHOLES TO BE ADJUSTED	EACH	5				4						1					
60260100	INLETS TO BE ADJUSTED	EACH	1										1					
60600605	CONCRETE CURB, TYPE B	FOOT	424				188			27	206							
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	700				338			48	246		68					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	8							8								
60616300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	65				65											
60624600	CORRUGATED MEDIAN	SQ FT	60				60											
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5							5								
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2							2								
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.066	0.066	0.066	0.066	0.066
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.066	0.066	0.066	0.066	0.066
* 66901006	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	160	10	10	10	10	10	10	10	10	10	10	10	10	10	10	20
67100100	MOBILIZATION	L SUM	1	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.066	0.066	0.066	0.066	0.066
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.125	0.125	0.125	0.125	0.125		0.125	0.125		0.125					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.066	0.066	0.066	0.066	0.066
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.066	0.066	0.066	0.066	0.066
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	120				120											

* SPECIALTY ITEM

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 2 OF 7)	F.A.U. RTE. 1034 & 2710	SECTION 19-00035-00-SP	COUNTY COOK	TOTAL SHEETS 101	SHEET NO. 5		
N:\ROSEMONT\200804\Traffic\High Visibility	Backplate_Plane\05_S002_200804.dgn	DRAWN - FPB	REVISED -									
	PLOT SCALE = 2'	CHECKED - EAJ	REVISED -									
	PLOT DATE = 7/21/2025	DATE -	REVISED -									
					SCALE: NOT TO SCALE	SHEET NO. OF	SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :	

SUMMARY OF QUANTITIES

DATE

BY

SURVEYED

PLANNED

NOTED

FILE NAME

PLAN

NOTE BOOK

NO.

DATE

BY

SURVEYED

PLANNED

NOTED

FILE NAME

PROFILE

NOTE BOOK

NO.

CHRISTOPHER B. BURKE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600

Rosemont, Illinois 60018

(847) 823-4500

DATE

BY

SURVEYED

PLANNED

NOTED

FILE NAME

DATE

BY

SURVEYED

PLANNED

NOTED

FILE NAME

DATE

BY

SURVEYED

PLANNED

NOTED

FILE NAME

CONSTRUCTION CODE: 0021																		
90% FEDERAL / 10 % LOCAL																		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RIVER RD & FOSTER	RIVER RD & TECHNOLOGY	RIVER RD & BALMORAL	RIVER RD & WILLIAM ST	RIVER RD & BRYN MAWR	RIVER RD & CTA	RIVER RD & RAMP 32X	RIVER RD & WESTIN	RIVER RD & HIGGINS (IL 72)	RIVER RD & ONE O'HARE	RIVER RD & DEVON AVE	BALMORAL AVE & FASHION OUTLETS WAY	BALMORAL AVE & I-294 RAMP	BALMORAL AVE & PEARL ST	INTERCONNECT
* 72000100	SIGN PANEL - TYPE 1	SQ FT	260	23	15	24	62	70		21	30		15					
* 72000200	SIGN PANEL - TYPE 2	SQ FT	152		14		14	14			68		42					
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	45			18		27										
* 72600100	TELESCOPING STEEL SIGN SUPPORT	FOOT	22				22											
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	75				75											
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	440				222				218							
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	650				147			88	275		140					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1735				1125				610							
* 78000850	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	350				98			40	172		40					
78300202	PAVEMENT MARKING REMOVAL - WATER ELASTING	SQ FT	1530				631				879		20					
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3405		4		1209			58	720		586					828
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	827	80	5	90	207	56			282		107					
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1173				433				475		285					
81400100	HANDHOLE	EACH	16				6				6		4					
81400200	HEAVY-DUTY HANDHOLE	EACH	5				2				2		1					
81400300	DOUBLE HANDHOLE	EACH	4				2				1		1					
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 10	FOOT	274			274												
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7						1	1		1		1	1	1	1	
86400100	TRANSCEIVER - FIBER OPTIC	EACH	3				1				1		1					
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4609															4609

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

DATE
BY
SERVED
PLOT
CHECKED
FILE NAME

PLAN
NOTE BOOK
NO.

ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE
BY
SERVED
PLOT
CHECKED
FILE NAME

PROFILE
NOTE BOOK
NO.

CONSTRUCTION CODE: 0021																		
90% FEDERAL / 10 % LOCAL																		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RIVER RD & FOSTER	RIVER RD & TECHNOLOGY	RIVER RD & BALMORAL	RIVER RD & WILLIAM ST	RIVER RD & BRYN MAWR	RIVER RD & CTA	RIVER RD & RAMP 32X	RIVER RD & WESTIN	RIVER RD & HIGGINS (IL 72)	RIVER RD & ONE O'HARE	RIVER RD & DEVON AVE	BALMORAL AVE & FASHION OUTLETS WAY	BALMORAL AVE & I-294 RAMP	BALMORAL AVE & PEARL ST	INTERCONNECT
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3503		136		1328			443	1436		100					
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	8439	237	505	294	2074	598		1795	2285		651					
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	7777	640	495	808	1733	1135			1584		1384					
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3963	240	237	301	593	238			1990		364					
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3354				1494				1093		837					
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 5 2 C	FOOT	425				182				208		36					
87301800	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 5 1C	FOOT	4440	93	35	103	1363	89		66	2056		635					
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7				2				3		2					
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2								1		1					
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1					1										
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	3	1						1			1					
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2				1						1					
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1				1											
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1					1										
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1								1							
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2				1				1							
87702206	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 20 FT.	EACH	1								1							
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1		1													
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1			1												
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40				12				18		12					

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

				CONSTRUCTION CODE: 0021														
				90% FEDERAL / 10 % LOCAL														
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RIVER RD & FOSTER	RIVER RD & TECHNOLOGY	RIVER RD & BALMORAL	RIVER RD & WILLIAM ST	RIVER RD & BRYN MAWR	RIVER RD & CTA	RIVER RD & RAMP 32X	RIVER RD & WESTIN	RIVER RD & HIGGINS (IL 72)	RIVER RD & ONE O'HARE	RIVER RD & DEVON AVE	BALMORAL AVE & FASHION OUTLETS WAY	BALMORAL AVE & I-294 RAMP	BALMORAL AVE & PEARL ST	INTERCONNECT
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12				4				4		4					
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	94	14			14	14		14	1		37					
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	70		13	13	28	13			3							
87900200	DRILL EXISTING HANDHOLE	EACH	12	1	2	1	1	2		3								2
88030010	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	2							2								
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	32	2	2	2	8	5			7		8					
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9	1	1	1	1				2		3					
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	11	1	1	1	2	4			1		1					
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	14	1	1	1	3	4			3		1					
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2								2							
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4								4							
88102117	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	22				10			2	8		2					
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	221	10	12	13	14	20	20	13	19	12	11	16	21	24	16	
88500100	INDUCTIVE LOOP DETECTOR	EACH	20				5				12		3					
88600100	DETECTOR LOOP, TYPE I	FOOT	1713				489				1010		214					
88700200	LIGHT DETECTOR	EACH	18	2	2	2	2	4			3		3					
88700300	LIGHT DETECTOR AMPLIFIER	EACH	7	1	1	1	1	1			1		1					
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2								1		1					
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6	1	1	1		1		1			1					
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	5	1	1	1		1		1								

* SPECIALTY ITEM

FILE NAME =	USER NAME = bgunnelle	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 5 OF 7)				F.A.U. RTE. NO. 1	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\20204\Traffic\High Visibility	Backplate.Plans\08.SODS.20204.dgn	DRAWN - FPB	REVISED -		1034 & 2710	19-00035-00-5P	COOK	101	8				
	PLOT SCALE = 2'	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L21								
	PLOT DATE = 6/20/2025	DATE -	REVISED -		SCALE: NOT TO SCALE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :					

SUMMARY OF QUANTITIES

				CONSTRUCTION CODE: 0021														
				90% FEDERAL / 10 % LOCAL														
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RIVER RD & FOSTER	RIVER RD & TECHNOLOGY	RIVER RD & BALMORAL	RIVER RD & WILLIAM ST	RIVER RD & BRYN MAWR	RIVER RD & CTA	RIVER RD & RAMP 32X	RIVER RD & WESTIN	RIVER RD & HIGGINS (IL 72)	RIVER RD & ONE O'HARE	RIVER RD & DEVON AVE	BALMORAL AVE & FASHION OUTLETS WAY	BALMORAL AVE & I-294 RAMPS	BALMORAL AVE & PEARL ST	INTERCONNECT
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7824	899	896	1100		929										4000
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	13	1	1	1		1	1	1	1	1	1	1	1	1	1	
89502380	REMOVE EXISTING HANDHOLE	EACH	14								9		5					
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2								1		1					
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	14								8		6					
C2007010	SHRUB, ROSA RADRAZZ (KNOCKOUT ROSE), CONTAINER GROWN 3-GALLON	EACH	4				4											
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	0.23				0.23											
X0036117	MULCH PLACEMENT 2"	SQ YD	43				43											
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	3842	237	363	294	581	588		669	613		487					
X0324598	ROD AND CLEAN EXISTING CONDUIT	FOOT	1350															1350
X0325942	CONCRETE LANDING SLAB	SQ FT	351				351											
X0327978	CONCRETE PAVER PAVEMENT	SQ YD	40				40											
X1400144	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	2					1		1								
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	3				1				1		1					
X1400238	LUMINAIRE, LED, SPECIAL	EACH	2		1	1												
X1400587	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	14		1		6			2	4		1					
X1700107	CURB WALL (SPECIAL)	SQ FT	359				269				91							
X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	945				644			103	198							
X5220101	RETAINING WALL REMOVAL	SQ FT	104				70				34							
X8140102	GROUND EXISTING HANDHOLE	EACH	3							3								

* SPECIALTY ITEM

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 6 OF 7)				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
N:\ROSEMT\2000\ATraffic\High Visibility	Backplate.Plans\09_50D6.2000.dgn	DRAWN - FPB	REVISED -		1034 & 2710	19-00035-00-SP	COOK	101	9			
	PLOT SCALE = 2'	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L21							
	PLOT DATE = 6/20/2025	DATE -	REVISED -		SCALE: NOT TO SCALE	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS

SUMMARY OF QUANTITIES

[illegible]

* SPECIALTY ITEM

△ = CONSTRUCTION CODE: 0042

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 7 OF 7)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROSEMONT\20034\Traffic\High Visibility	Bookplate\Pliers\10.5007.20024.dgn	DRAWN - FPB	REVISED -			1034 & 2710	19-00035-00-SP	COOK	101	10	
	PLOT SCALE = 2"	CHECKED - EAJ	REVISED -								
	PLOT DATE = 7/23/2025	DATE -	REVISED -								
						CONTRACT NO. 61L21					
SCALE: NOT TO SCALE				SHEET NO. OF SHEETS		STA. TO STA.		FOR ROAD DIST. NO. 1, ILLINOIS DEPT. OF TRANSPORTATION			

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B.M. NOTED			
STRUCTURE NOTED	CHKO		
NO. _____			



CHRISTOPHER B. BURKE
 9575 West Highland Road, Suite 600
 Rosemead, Illinois 60018
 (847) 823-0500

ENGINEERING LTD.

PLAN _____

NOTE BOOK _____

ALIGNMENT _____

RT. OF WAY CHECKED _____

CADD FILE NAME _____

SURVEYED _____

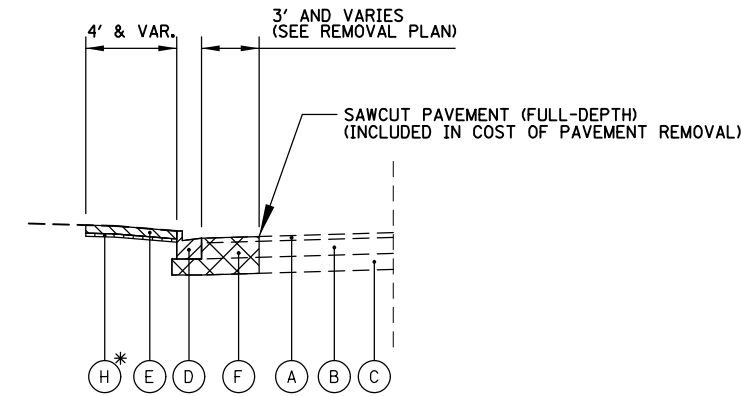
PLOTTED _____

NOTE BOOK _____

ALIGNMENT _____

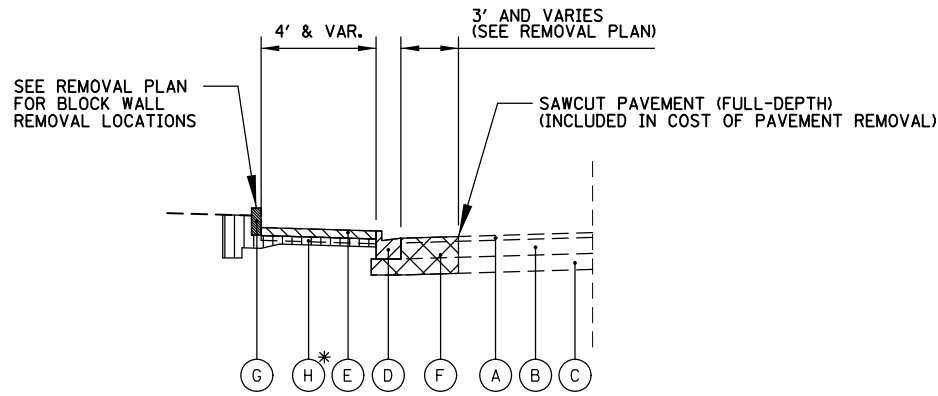
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CADD FILE NAME _____

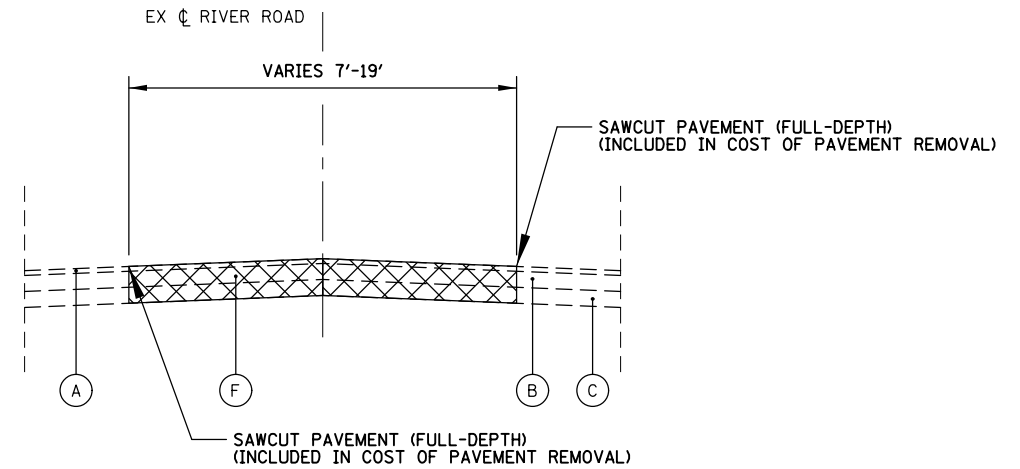


EXISTING TYPICAL SECTION

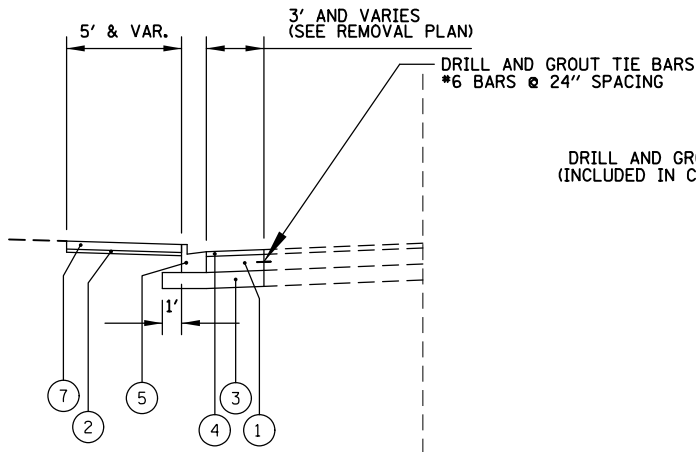
RIVER ROAD ADJACENT TO ADA RAMP RECONSTRUCTION



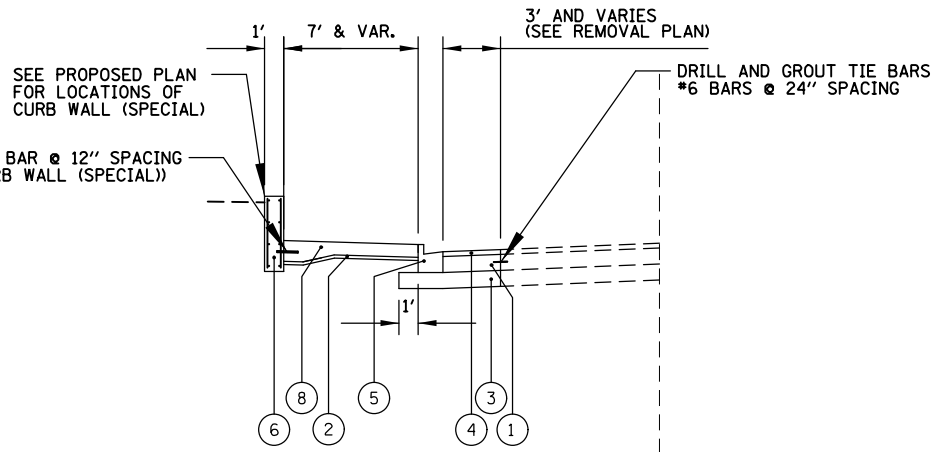
EXISTING TYPICAL SECTION
RIVER ROAD ADJACENT TO ADA RAMP RECONSTRUCTION
(WITH EXISTING RETAINING WALL)



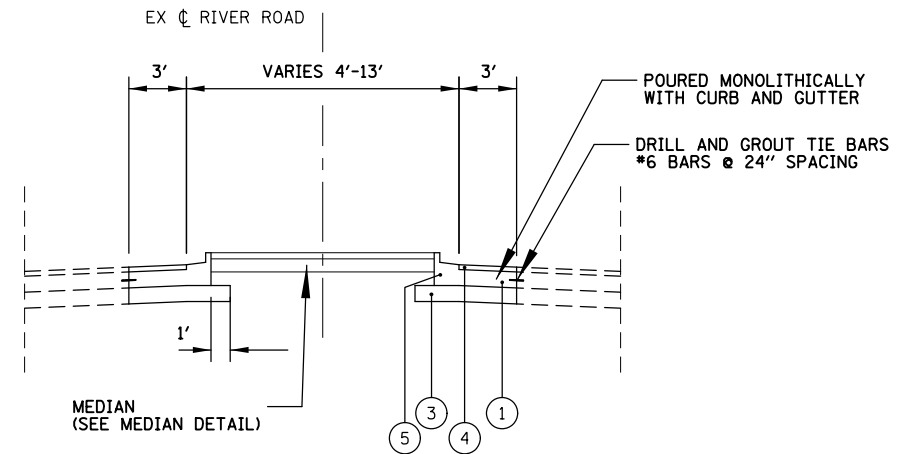
EXISTING TYPICAL SECTION
RIVER ROAD MEDIAN
STA. 75+41 TO STA. 76+11



PROPOSED TYPICAL SECTION
RIVER ROAD ADJACENT TO ADA RAMP RECONSTRUCTION



PROPOSED TYPICAL SECTION
RIVER ROAD ADJACENT TO ADA RAMP RECONSTRUCTION
(WITH PROPOSED CURB WALL (SPECIAL))



PROPOSED TYPICAL SECTION
RIVER ROAD MEDIAN
STA. 75+41 TO STA. 76+11

AREAS OF TURF THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 4" OF TOPSOIL AND SODDING. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @Ndes	QMP
RIVER ROAD PAVEMENT HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR	LR 1030 - 2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SQ YD/IN.
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.

LEGEND

- | | |
|------|---------------------------------------|
| (A) | EXISTING PAVEMENT TO REMAIN |
| (B) | EXISTING PCC BASE TO REMAIN |
| (C) | EXISTING AGGREGATE SUBGRADE TO REMAIN |
| (D) | CC&G REMOVAL (44000500) |
| (E) | SIDEWALK REMOVAL (44000600) |
| (F) | PAVEMENT REMOVAL (44000100) |
| (G) | RETAINING WALL REMOVAL (X0322924) |
| (H)* | EARTH EXCAVATION (20200100) |



REMOVAL ITEMS

*ANY EARTH EX REQUIRED IN PROPOSED IMPROVEMENT
WILL BE INCLUDED IN COST OF ITEM BEING CONSTRUCTED

- ① PORTLAND CEMENT CONCRETE
BASE COURSE, 10" (35300500)
- ② SUBBASE GRANULAR MATERIAL,
TYPE B, 2" (31101180)
- ③ SUBBASE GRANULAR MATERIAL,
TYPE B, 8" (31101600)
- ④ HOT-MIX ASPHALT SURFACE COURSE,
IL-9.5, MIX "D", N70, 2" (40604062)
- ⑤ COMBINATION CONCRETE CURB
AND GUTTER, TYPE B-6.12
(12" DEPTH) (60603800)
- ⑥ CURB WALL SPECIAL (X1700107)
- ⑦ PORTLAND CEMENT CONCRETE
SIDEWALK 5 INCH (42400200)
- ⑧ PORTLAND CEMENT CONCRETE
SIDEWALK 8 INCH, SPECIAL (X4240460)

FILE NAME =	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\20004\Civil\TYP_01_20004.shx		DRAWN - X	REVISED -					1034 & 2710	19-00035-00-SP	COOK	101	11
	PLOT SCALE = 10'	CHECKED - X	REVISED -					CONTRACT NO. 61L21				
	PLOT DATE = 6/20/2025	DATE -	REVISED -		SCALE: NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :				

DATE
BY
SURVEYED
PLOTTED
CHECKED
REVISIONS
NO. DATE

DATE
BY
SURVEYED
PLOTTED
CHECKED
REVISIONS
NO. DATE

PLAN

NOTE BOOK
NO. _____
CADD FILE NAME

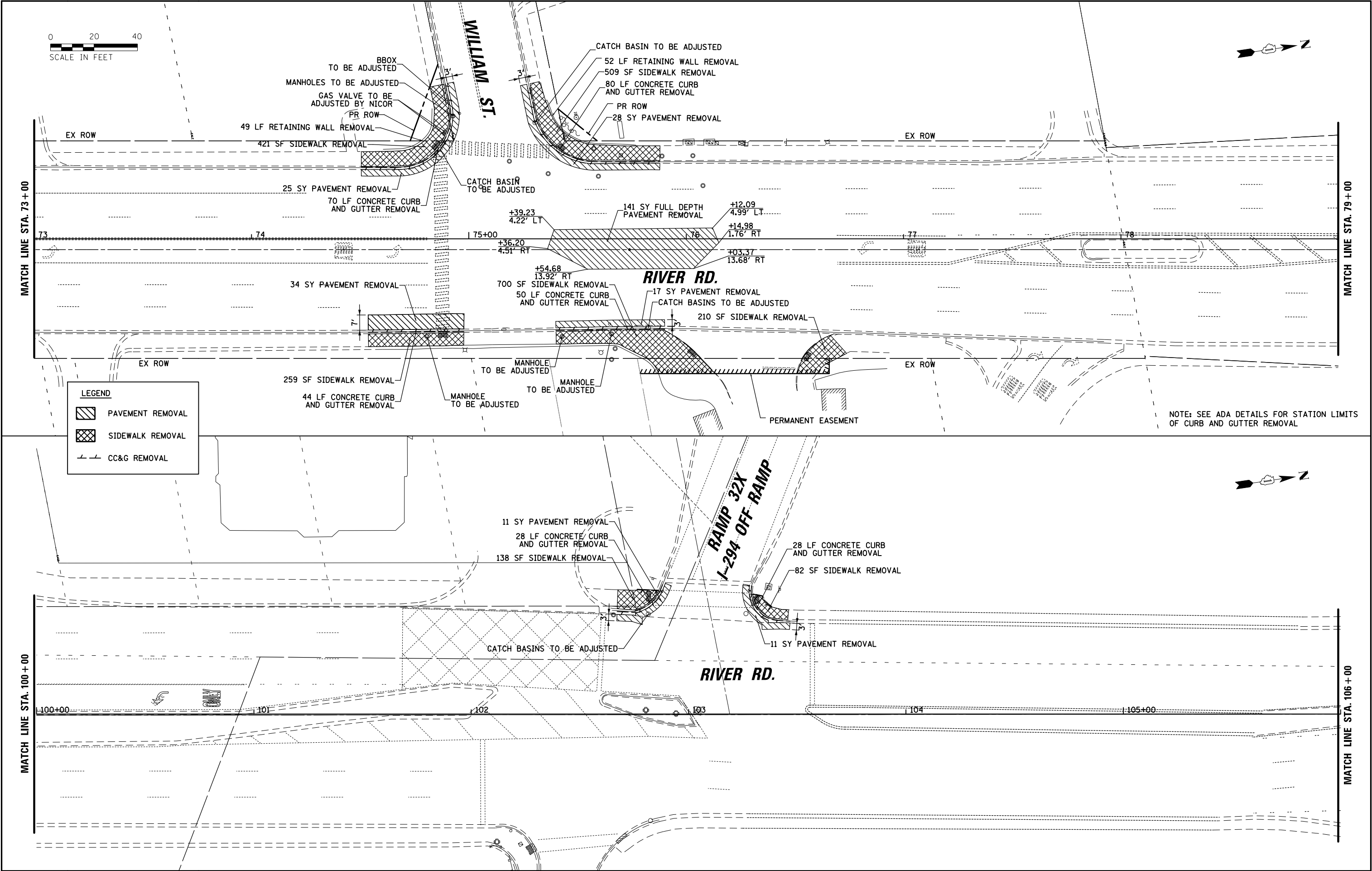
ENGINEERING LTD.

CHRISTOPHER B. BURKE
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 923-0500

C.B.B.

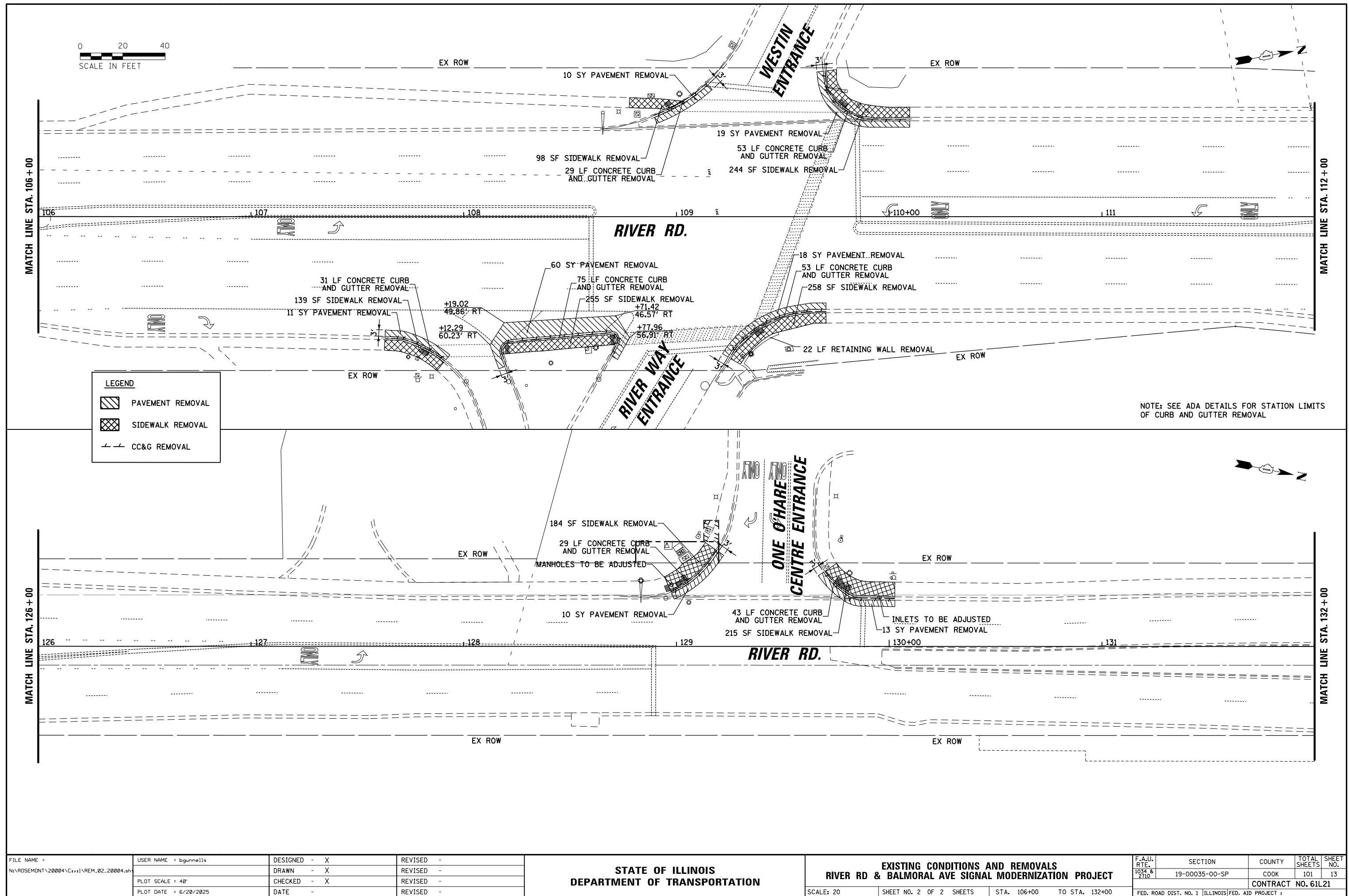
PROFILE

NOTE BOOK
NO. _____
STRUCTURE NOTATIONS OK/KO

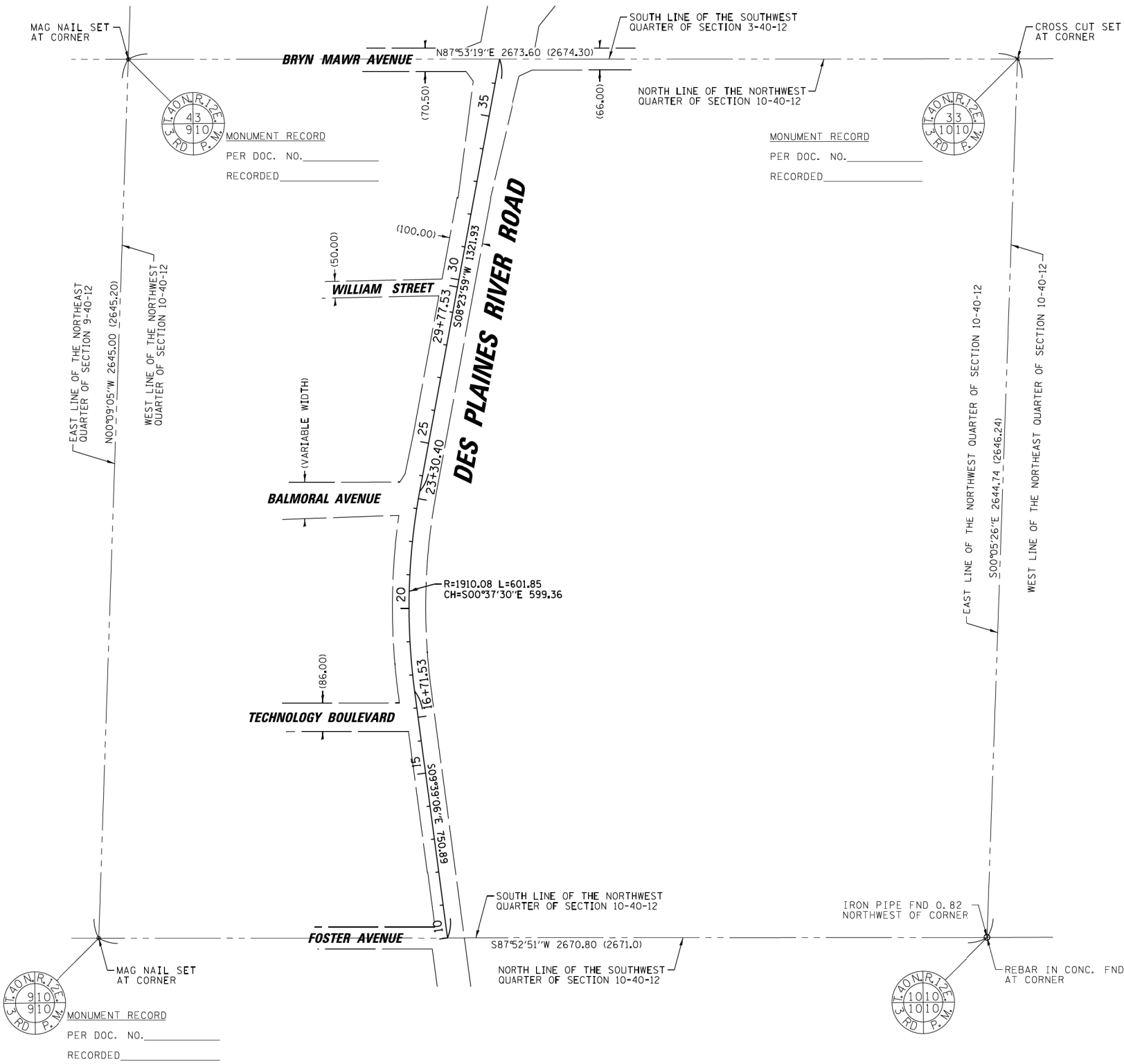


FILE NAME =	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS AND REMOVALS RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\20004\Civil\REM_01.20004.shx		DRAWN - X	REVISED -					1034 & 2710	19-00035-00-SP	COOK	101	12
	PLOT SCALE = 48'	CHECKED - X	REVISED -		SCALE: 20			SHEET NO. 1 OF 2 SHEETS		STA. 73+00 TO STA. 106+00		
	PLOT DATE = 6/20/2025	DATE -	REVISED -		CONTRACT NO. 61L21			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :				

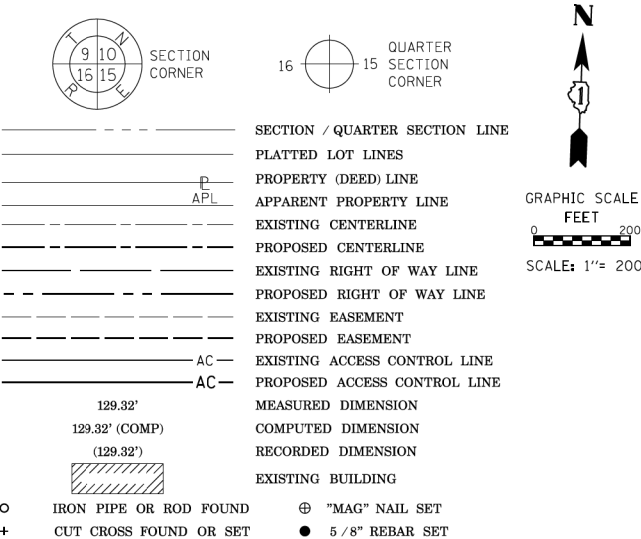
PROFILE	BY	DATE	 CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 822-0500	PLAN	SUPERVIEWED	BY	DATE
					PLotted		
					NOTE BOOK	ALIGNMENT CHECKED	
					NO. _____	RT. OF WAY CHECKED	
						CADD FILE NAME	



PART OF THE NORTHEAST QUARTER OF SECTION 9, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
PART OF THE NORTHWEST QUARTER OF SECTION 10, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND



STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001175-0014,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, 9 & 10, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS ____ DAY OF _____, 20__ A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
LICENSE EXPIRATION DATE: 11-30-2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE:

ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999968847.

AREAS SHOWN ON THIS PLAT ARE "GROUND"

COORDINATE TABLE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)			
DES PLAINES RIVER ROAD			
LOCATION	STATION	NORTHING	EASTING
STA. BEGIN/ FOSTER AV	10+00.00	1933215.5917	1112345.8420
C TECHNOLOGY BLVD	16+71.53	1933877.6157	1112233.2561
PC	17+50.89	1933955.8589	1112219.9500
C BALMORAL AV	23+30.40	1934533.0611	1112210.2779
PT	23+52.74	1934555.1831	1112213.4132
C WILLIAM ST	29+77.53	1935173.2651	1112304.6792
STA. END/ BRYN MAWR AV	36+74.68	1935862.9375	1112406.5161

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAT OF HIGHWAYS
STATE OF ILLINOIS
VILLAGE OF ROSEMONT
DES PLAINES RIVER ROAD

LIMITS: TECHNOLOGY BOULEVARD TO COUNTY: COOK
BRYN MAWR AVENUE

SECTION: 19-00035-00-SP JOB NO.: R-55-001-97
STA. 10+00.00 TO STA. 36+74.68
SCALE: 1"= 200' SHEET 2 OF 6 SHEETS

ROSEMONT VILLAGE HALL
9501 W. DEVON AVENUE
ROSEMONT, IL 60018

LEGEND

9

10

11

12

13

14

15

16

SECTION CORNER

16

15

14

13

12

11

10

9

QUARTER SECTION CORNER

0

100

200

GRAPHIC SCALE

0

200

SCALE: 1"= 200'

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPL

APPROVED PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

AC

EXISTING ACCESS CONTROL LINE

AC

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

129.32'

129.32' (COMP)

(129.32')

EXISTING BUILDING

○

IRON PIPE OR ROD FOUND

⊕

"MAG" NAIL SET

+

CUT CROSS FOUND OR SET

●

5 / 8" REBAR SET

■

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■

M

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

●

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)

COUNTY OF COOK)

SS

SS

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DATED AT ROSEMONT, ILLINOIS THIS ____ DAY OF _____, 20__ A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240

LICENSE EXPIRATION DATE: 11-30-2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE:

ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED

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AREAS SHOWN ON THIS PLAT ARE "GROUND"

COORDINATE TABLE			
ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)			
DES PLAINES RIVER ROAD			
LOCATION	STATION	NORTHING	EASTING
STA. BEGIN	45+82.35	1940384.2323	1112758.8113
STA. END/4 DEVON AV	56+56.15	1941408.0823	1112435.1328

IDOT USE ONLY

CB

B

CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W. Higgins Road, Suite 600

Rosemont, Illinois 60018

(847) 823-0500

PLAT OF HIGHWAYS
STATE OF ILLINOIS
VILLAGE OF ROSEMONT
DES PLAINES RIVER ROAD

LIMITS: HIGGINS ROAD TO DEVON AVENUE COUNTY: COOK
SECTION: 19-00035-00-SP JOB NO.: R-55-001-97
STA. 45+82.35 TO STA. 56+56.15
SCALE: 1"= 200' SHEET 3 OF 6 SHEETS

ROSEMONT VILLAGE HALL
9501 W. DEVON AVENUE
ROSEMONT, IL 60018

Sheet 15 of 101

PART OF THE NORTHEAST QUARTER OF SECTION 9, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
PART OF THE NORTHWEST QUARTER OF SECTION 10, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



SECTION CORNER



QUARTER SECTION CORNER



GRAPHIC SCALE
FEET
0 40
SCALE: 1"= 40'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

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DATED AT ROSEMONT, ILLINOIS THIS ____ DAY OF ____ 20__ A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
LICENSE EXPIRATION DATE: 11-30-2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE:
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AREAS SHOWN ON THIS PLAT ARE "GROUND"

CB **CHRISTOPHER B. BURKE ENGINEERING, LTD.**
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAT OF HIGHWAYS
STATE OF ILLINOIS
VILLAGE OF ROSEMONT
DES PLAINES RIVER ROAD

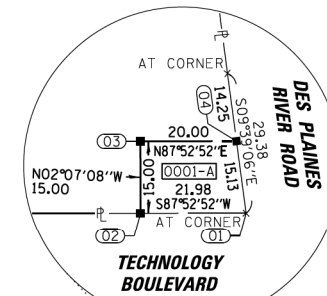
LIMITS: TECHNOLOGY BOULEVARD TO BRYN MAWR AVENUE COUNTY: COOK
SECTION: 19-0035-00-SP TO STA. 23+00.00 JOB NO.: R-55-001-97
STA. 16+00.00 TO STA. 23+00.00
SCALE: 1"= 40' SHEET 4 OF 6 SHEETS

ROSEMONT VILLAGE HALL
9501 W. DEVON AVENUE
ROSEMONT, IL 60018

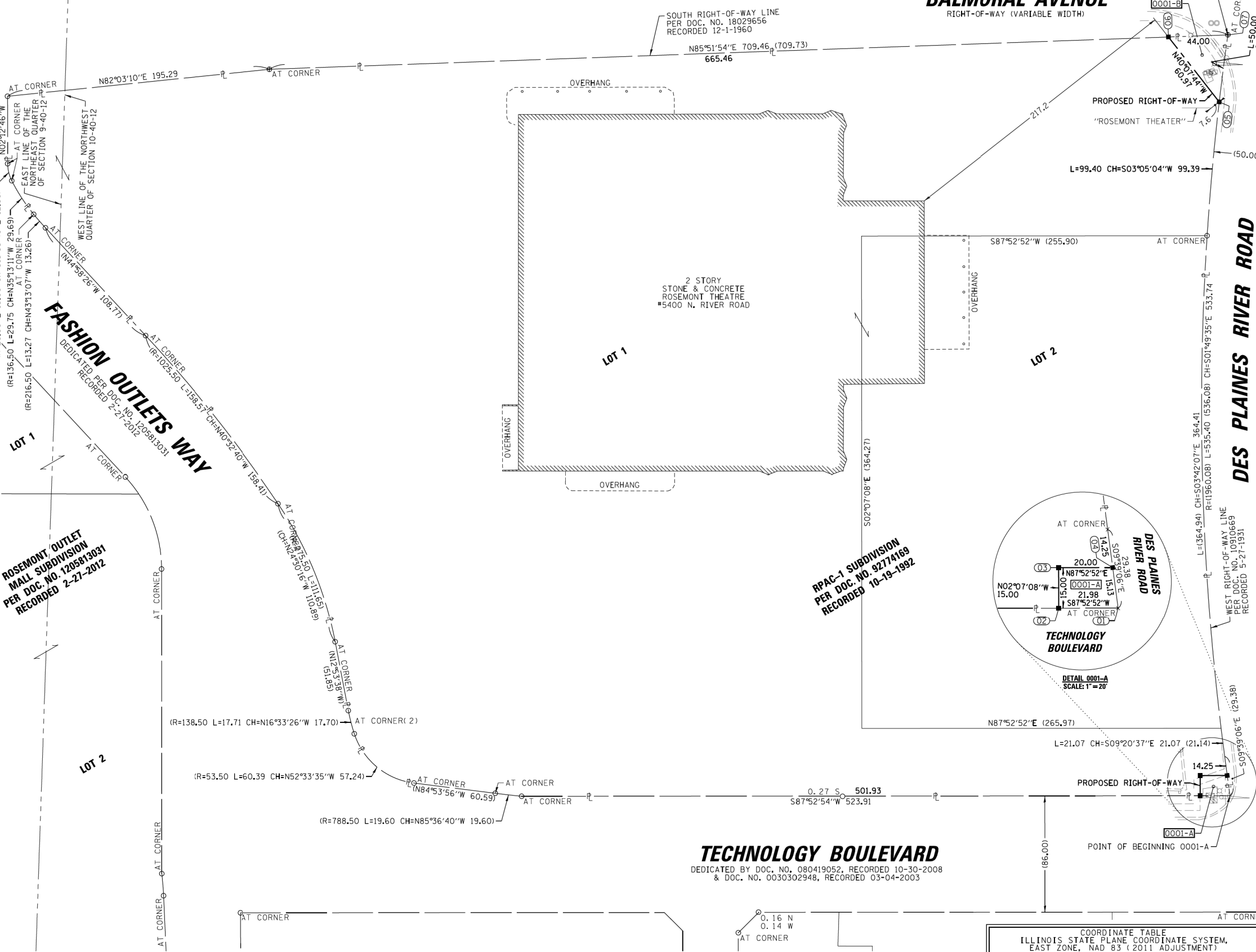
BALMORAL AVENUE
RIGHT-OF-WAY (VARIABLE WIDTH)

DES PLAINES RIVER ROAD

TECHNOLOGY BOULEVARD
DEDICATED BY DOC. NO. 080419052, RECORDED 10-30-2008
& DOC. NO. 0030302948, RECORDED 03-04-2003

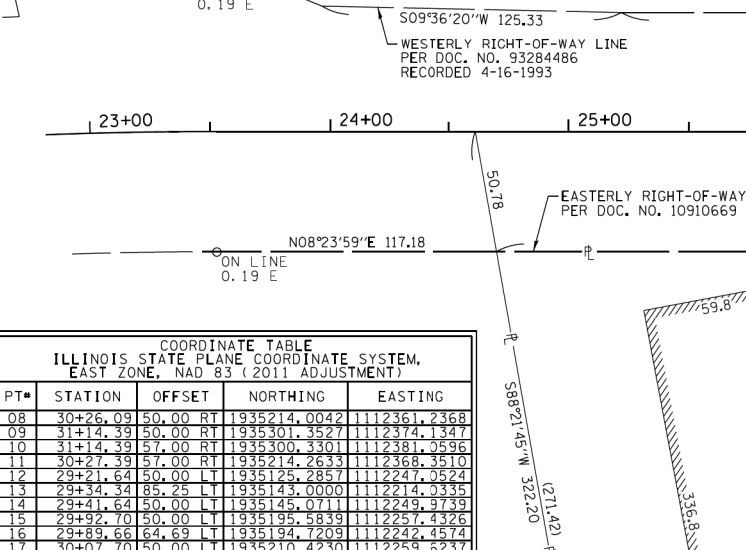
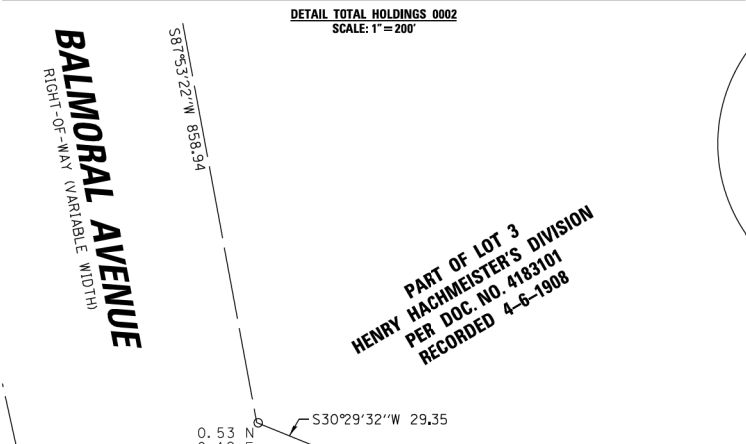
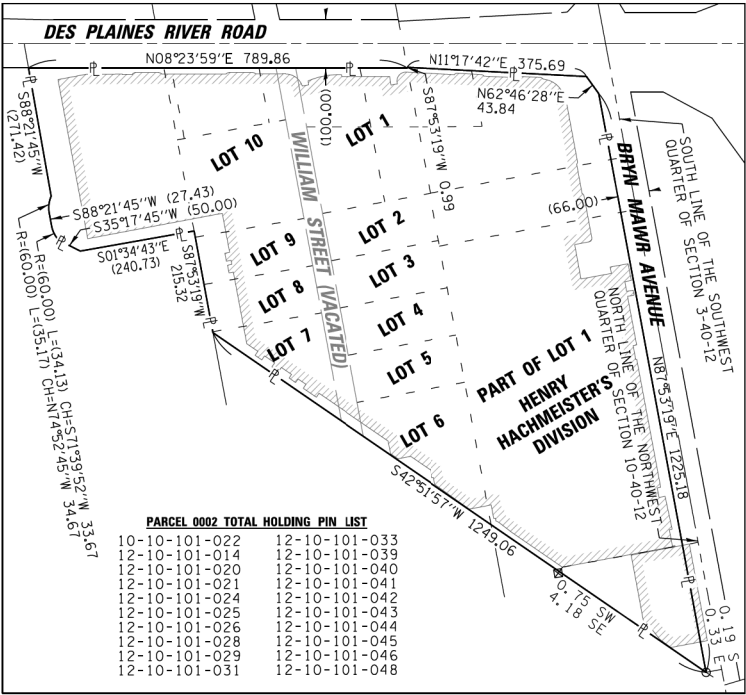


COORDINATE TABLE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)				
PT#	STATION	OFFSET	NORTHING	EASTING
01	17+21.52	50.00	1933918.5114	1112175.5834
02	17+24.40	71.79	1933917.6986	1112153.6149
03	17+39.27	69.83	1933932.6884	1112153.0603
04	17+36.65	50.00	1933933.4278	1112173.0467
05	22+23.91	50.00	1934431.1514	1112149.0566
06	22+65.26	93.33	1934477.7675	1112109.7619
07	22+72.64	50.00	1934480.9402	1112153.6474

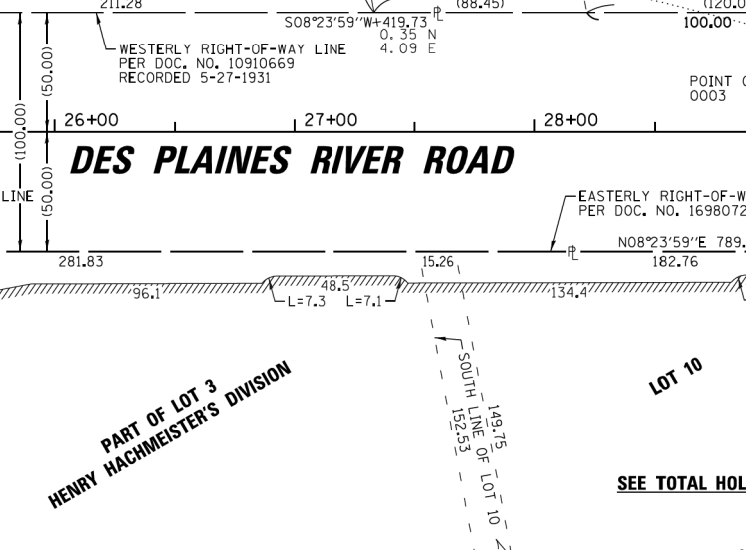
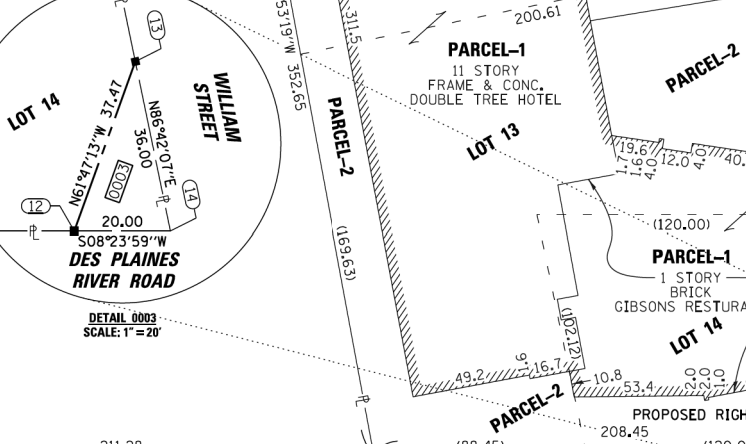
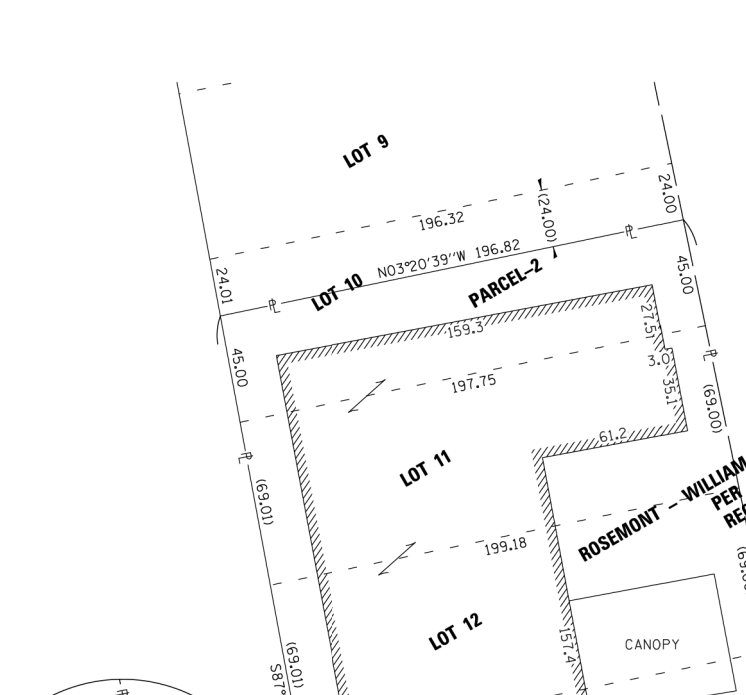


PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL TNDX# NIMRFR
					ACRES	SQUARE FEET	
0001-A	9.354	0.007	N/A		N/A	N/A	12-09-213-034
0001-B		0.025	N/A	9.322	N/A	N/A	12-10-100-131

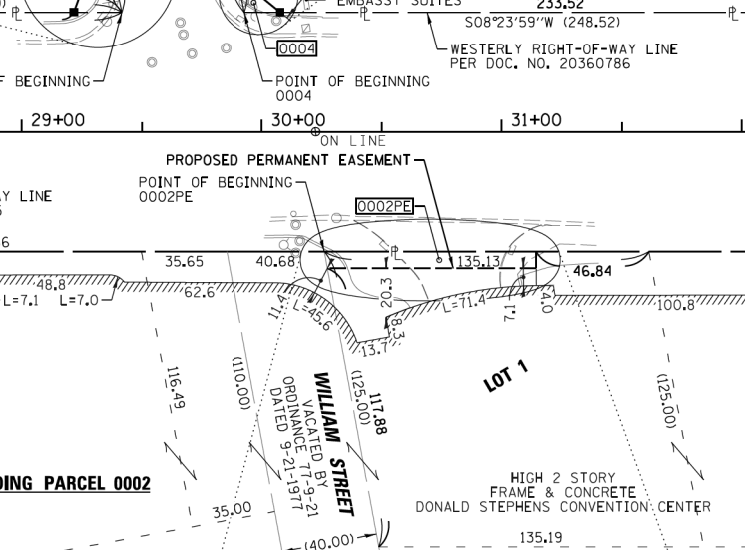
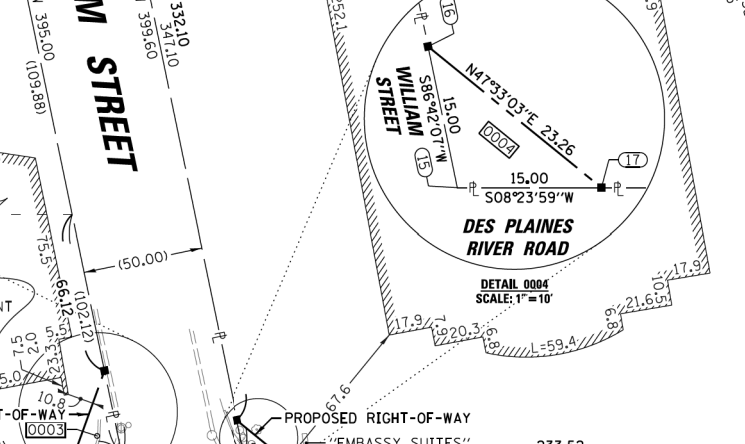
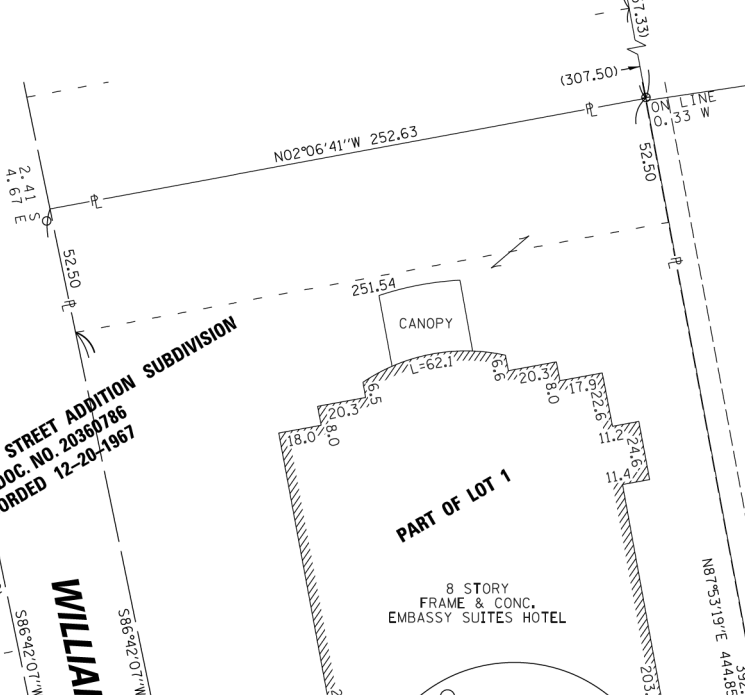
PART OF THE NORTHEAST QUARTER OF SECTION 9, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
PART OF THE NORTHWEST QUARTER OF SECTION 10, TWP. 40 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0002PE	20.949	N/A	N/A	20.949	0.014	614	12-10-101-028
0003	1.722	0.008	N/A	1.714	N/A	N/A	12-10-100-120
0004	2.406	0.003	N/A	2.403	N/A	N/A	12-10-100-105 12-10-100-115



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0002PE	20.949	N/A	N/A	20.949	0.014	614	12-10-101-028
0003	1.722	0.008	N/A	1.714	N/A	N/A	12-10-100-120
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0003	1.722	0.008	N/A	1.714	N/A	N/A	12-10-100-120
0004	2.406	0.003	N/A	2.403	N/A	N/A	12-10-100-105 12-10-100-115

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC - EXISTING ACCESS CONTROL LINE
- AC - PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001175-0014,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, 9 & 10, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACTED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS ____ DAY OF ____ 20__ A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
LICENSE EXPIRATION DATE: 11-30-2024

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AREAS SHOWN ON THIS PLAT ARE "GROUND"

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAT OF HIGHWAYS

STATE OF ILLINOIS
VILLAGE OF ROSEMONT
DES PLAINES RIVER ROAD

LIMITS: TECHNOLOGY BOULEVARD TO BRYN MAWR AVENUE COUNTY: COOK

SECTION: 19-00035-00-SP JOB NO.: R-55-001-97

STA. 22+81.58 TO STA. 32+50.50

SCALE: 1"= 40'

SHEET 5 OF 6 SHEETS

ROSEMONT VILLAGE HALL
9501 W. DEVON AVENUE
ROSEMONT, IL 60018

COORDINATE TABLE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)				
PT#	STATION	OFFSET	NORTHING	EASTING
18	46+42.45	48.10 LT	940427.0332	1112694.8323
19	46+42.45	58.10 LT	940424.0209	1112685.2968
20	46+81.45	58.09 LT	940461.2093	1112673.5485
21	46+81.45	48.09 LT	940464.2216	1112683.0840
22	46+74.45	58.09 LT	940454.5344	1112675.6572
23	46+74.45	68.09 LT	940451.5220	1112666.1217
24	46+81.45	68.09 LT	940458.1969	1112664.0130

LEGEND



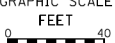
SECTION CORNER



QUARTER SECTION CORNER



N



GRAPHIC SCALE
FEET
0 40
SCALE: 1"= 40'



SECTION / QUARTER SECTION LINE



PLATTED LOT LINES



PROPERTY (DEED) LINE



APPARENT PROPERTY LINE



EXISTING CENTERLINE



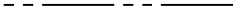
PROPOSED CENTERLINE



EXISTING RIGHT OF WAY LINE



PROPOSED RIGHT OF WAY LINE



EXISTING EASEMENT



PROPOSED EASEMENT



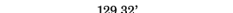
EXISTING ACCESS CONTROL LINE



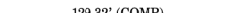
PROPOSED ACCESS CONTROL LINE



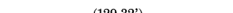
MEASURED DIMENSION



COMPUTED DIMENSION



RECORDED DIMENSION



EXISTING BUILDING



IRON PIPE OR ROD FOUND



"MAG" NAIL SET



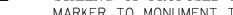
CUT CROSS FOUND OR SET



5 / 8" REBAR SET



STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



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PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)



RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001175-0014,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, 9 & 10, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS ____ DAY OF _____, 20__ A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
LICENSE EXPIRATION DATE: 11-30-2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE:
ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999968847.
AREAS SHOWN ON THIS PLAT ARE "GROUND"

CB **CHRISTOPHER B. BURKE ENGINEERING, LTD.**
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAT OF HIGHWAYS
STATE OF ILLINOIS
VILLAGE OF ROSEMONT
DES PLAINES RIVER ROAD

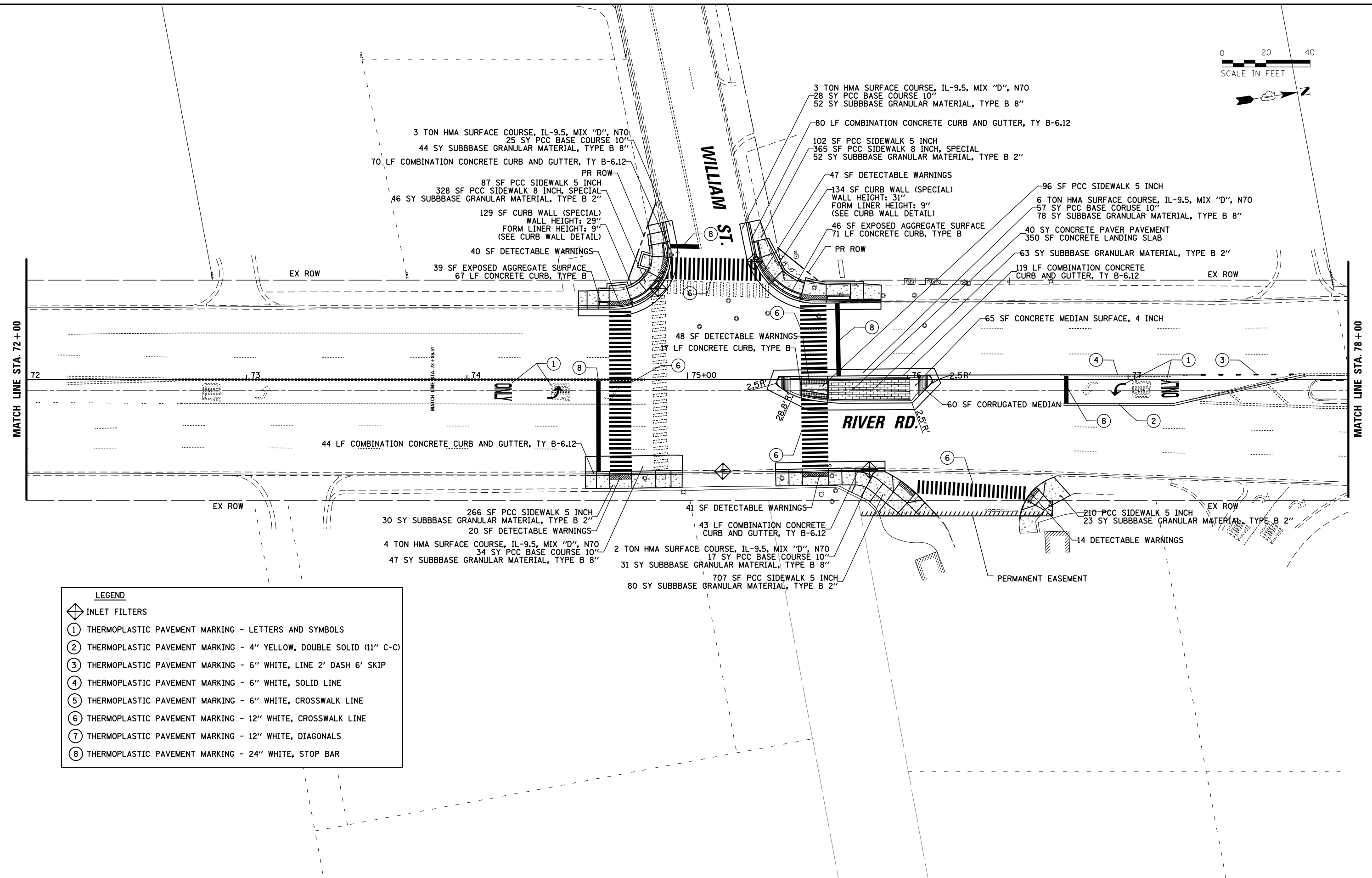
LIMITS: HIGGINS ROAD TO DEVON AVENUE COUNTY: COOK
SECTION: 19-00035-00-SP JOB NO.: R-55-001-97
STA. 45+82.35 TO STA. 51+50.00
SCALE: 1"= 40' SHEET 6 OF 6 SHEETS

ROSEMONT VILLAGE HALL
9501 W. DEVON AVENUE
ROSEMONT, IL 60018



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0005	5.195	0.009	N/A	5.186	N/A	N/A	12-03-100-019
0005TE		390 SQ. FT.			0.002	70	

PROFILE	BY	DATE	 CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (947) 823-0500	PLAN	BY	DATE	
SURVEYED					SURVEYED		
COLLECTED					ALIGNED		
NOTE BOOK					NOTE BOOK		
STRUCTURE NOTATIONS CHWD					RT. OF WAY CHECKED		
NO. _____				CADD FILE NAME			

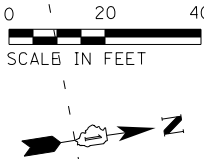
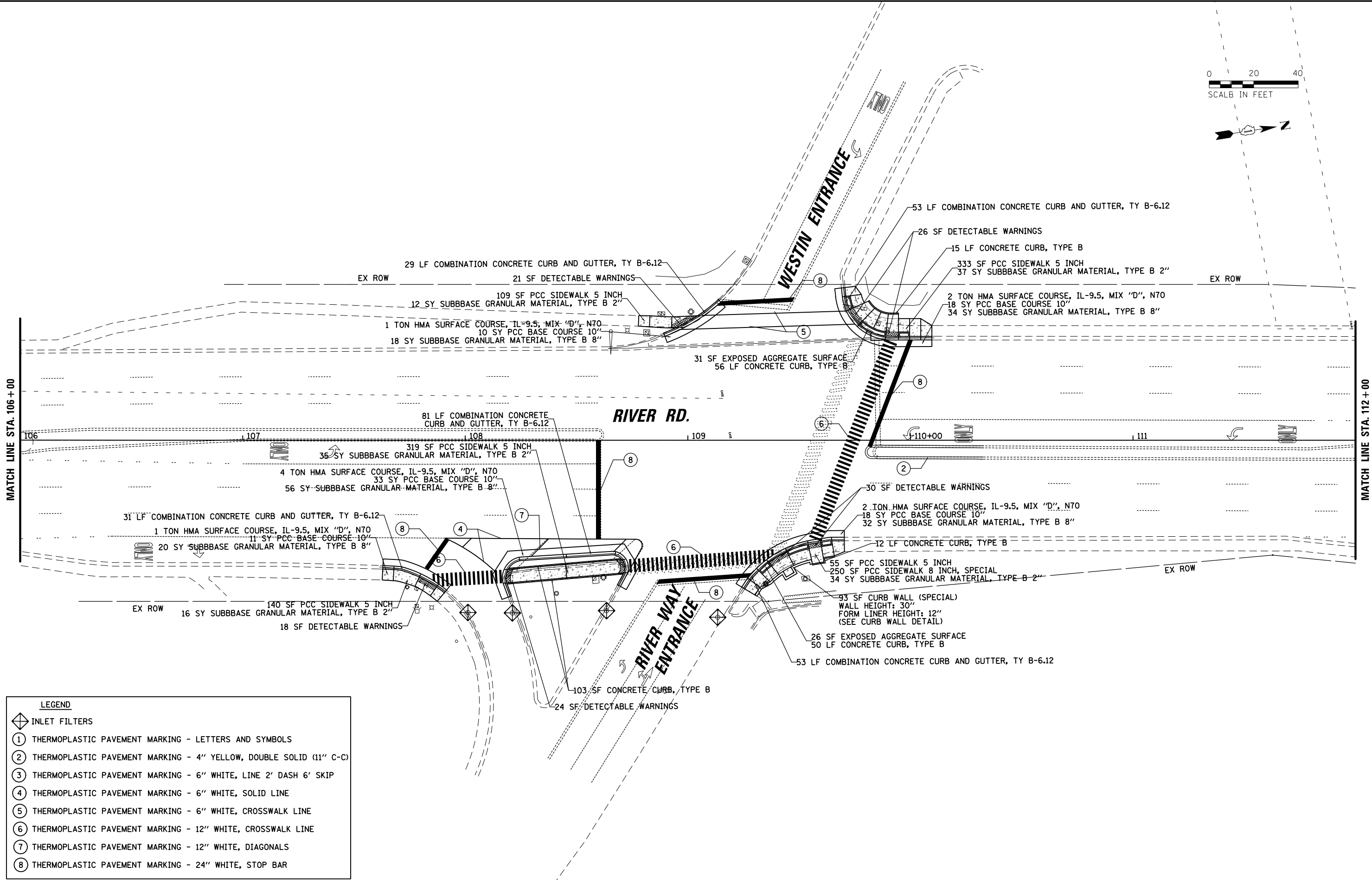


FILE NAME =	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND ROADWAY PLAN AND PROFILE WILLIAMS ST AND RIVER RD RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT	F.A.U. RTE. 1034 & 2710	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\20004\Civil\RPP_01_20004.shx		DRAWN - X	REVISED -			19-00035-00-SP	COOK	101	19	
	PLOT SCALE = 40'	CHECKED - X	REVISED -			CONTRACT NO. 61L21				
	PLOT DATE = 6/20/2025	DATE -	REVISED -			SCALE: 20	SHEET NO. 1 OF 3 SHEETS	STA. 72+00 TO STA. 78+00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :	

DATE
BY
SURVEYED
PLOTTED
CHECKED
NO.
PLAN
NOTE BOOK
NO.

ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500
C.B. BURKE
ELB

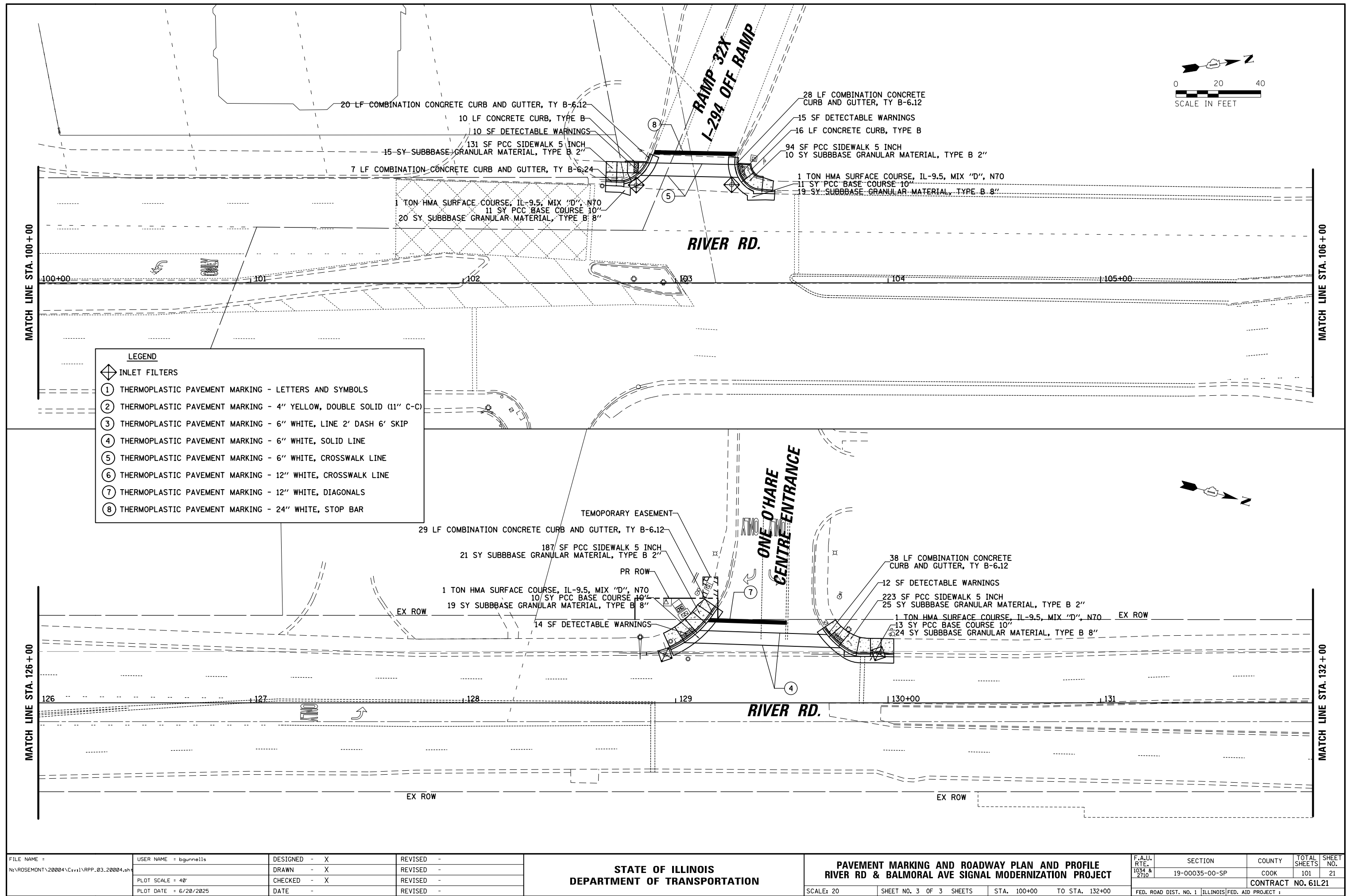
DATE
BY
SURVEYED
PLOTTED
CHECKED
NO.
PROFILE
NOTE BOOK
NO.



- LEGEND**
-  INLET FILTERS
 -  1 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 -  2 THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW, DOUBLE SOLID (11" C-C)
 -  3 THERMOPLASTIC PAVEMENT MARKING - 6" WHITE, LINE 2' DASH 6' SKIP
 -  4 THERMOPLASTIC PAVEMENT MARKING - 6" WHITE, SOLID LINE
 -  5 THERMOPLASTIC PAVEMENT MARKING - 6" WHITE, CROSSWALK LINE
 -  6 THERMOPLASTIC PAVEMENT MARKING - 12" WHITE, CROSSWALK LINE
 -  7 THERMOPLASTIC PAVEMENT MARKING - 12" WHITE, DIAGONALS
 -  8 THERMOPLASTIC PAVEMENT MARKING - 24" WHITE, STOP BAR

FILE NAME =	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND ROADWAY PLAN AND PROFILE WESTIN ENTRANCE AND RIVER RD RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT			F.A.U. RTE. 1034 & 2710	SECTION 19-00035-00-SP	COUNTY COOK	TOTAL	SHEET
N:\ROSEMONT\20004\Civil\RPP_02.20004.sh		DRAWN - X	REVISED -								101	20
	PLOT SCALE = 40'	CHECKED - X	REVISED -								CONTRACT NO. 61L21	
	PLOT DATE = 6/20/2025		DATE -									
		SCALE: 20		SHEET NO. 2 OF 3 SHEETS		STA. 106+00 TO STA. 112+00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :				

PROFILE	BY	DATE	 CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 822-0500	PLAN	SUPERVIEWED	BY	DATE
					PLotted		
					NOTE BOOK	ALIGNMENT CHECKED	
					NO. _____	RT. OF WAY CHECKED	
						CADD FILE NAME	



DATE

BY

PLANNING

ENGINEERING LTD.

9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE

BY

PROFILING

STRUCTURE NOTATIONS

DATE

BY

PLANNING

ENGINEERING LTD.

9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE

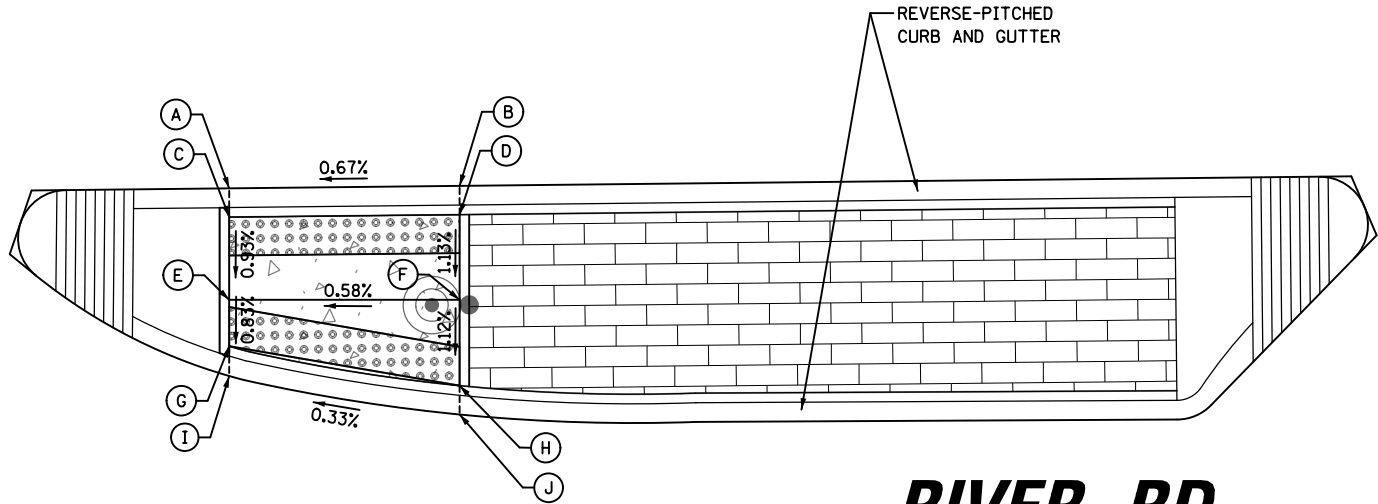
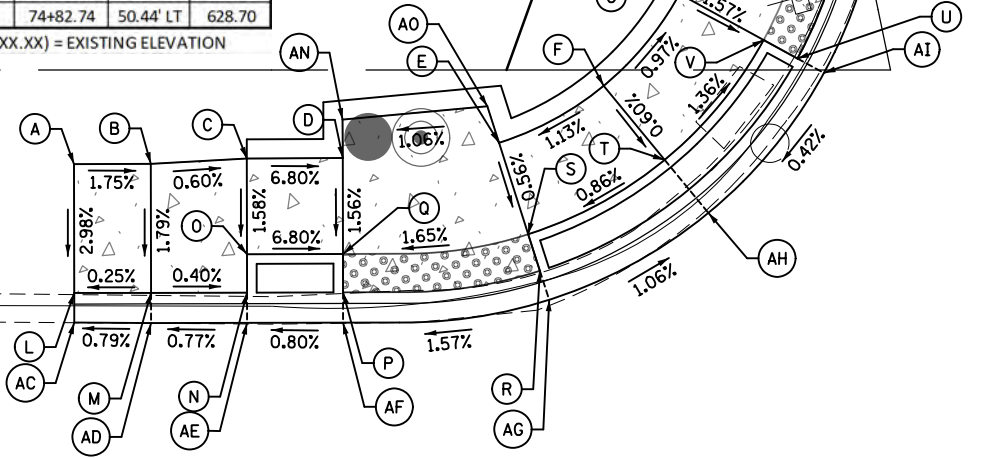
BY

PROFILING

STRUCTURE NOTATIONS

POINT	STA	OFF	ELEV
A	74+50.50	40.14' LT	(629.02)
B	74+54.50	40.15' LT	628.95
C	74+59.50	40.43' LT	628.92
D	74+64.50	40.45' LT	628.58
E	74+72.64	41.25' LT	628.68
F	74+78.09	44.22' LT	628.75
G	74+82.05	49.00' LT	628.69
H	74+84.03	55.90' LT	628.74
I	74+83.55	60.93' LT	629.15
J	74+82.99	65.92' LT	629.25
K	74+82.18	69.84' LT	(629.33)
L	74+50.52	33.42' LT	(628.82)
M	74+54.52	33.43' LT	628.83
N	74+59.52	33.45' LT	628.81
O	74+59.51	35.45' LT	628.84
P	74+64.52	33.46' LT	628.47
Q	74+64.51	35.46' LT	628.50
R	74+74.77	34.58' LT	628.64
S	74+74.16	36.48' LT	628.65
T	74+81.27	40.36' LT	628.72
U	74+88.19	45.64' LT	628.58
V	74+86.43	46.60' LT	628.61
W	74+91.02	55.47' LT	628.62
X	74+89.02	55.59' LT	628.65
Y	74+90.40	62.34' LT	629.06
Z	74+88.44	61.94' LT	629.09
AA	74+89.36	67.23' LT	629.14
AB	74+88.56	71.15' LT	(629.10)
AC	74+50.52	31.88' LT	(628.36)
AD	74+54.52	31.85' LT	(628.39)
AE	74+59.52	31.87' LT	(628.43)
AF	74+64.52	31.88' LT	(628.47)
AG	74+75.25	33.07' LT	628.64
AH	74+83.55	37.60' LT	(628.54)
AI	74+89.57	44.88' LT	(628.58)
AJ	74+92.60	55.38' LT	628.62
AK	74+91.94	62.66' LT	628.65
AL	74+90.91	67.55' LT	628.67
AM	74+90.09	71.47' LT	(628.68)
AN	74+64.49	42.45' LT	628.61
AO	74+72.03	43.15' LT	628.69
AP	74+78.54	51.65' LT	628.76
AQ	74+80.06	56.95' LT	628.80
AR	74+82.74	50.44' LT	628.70

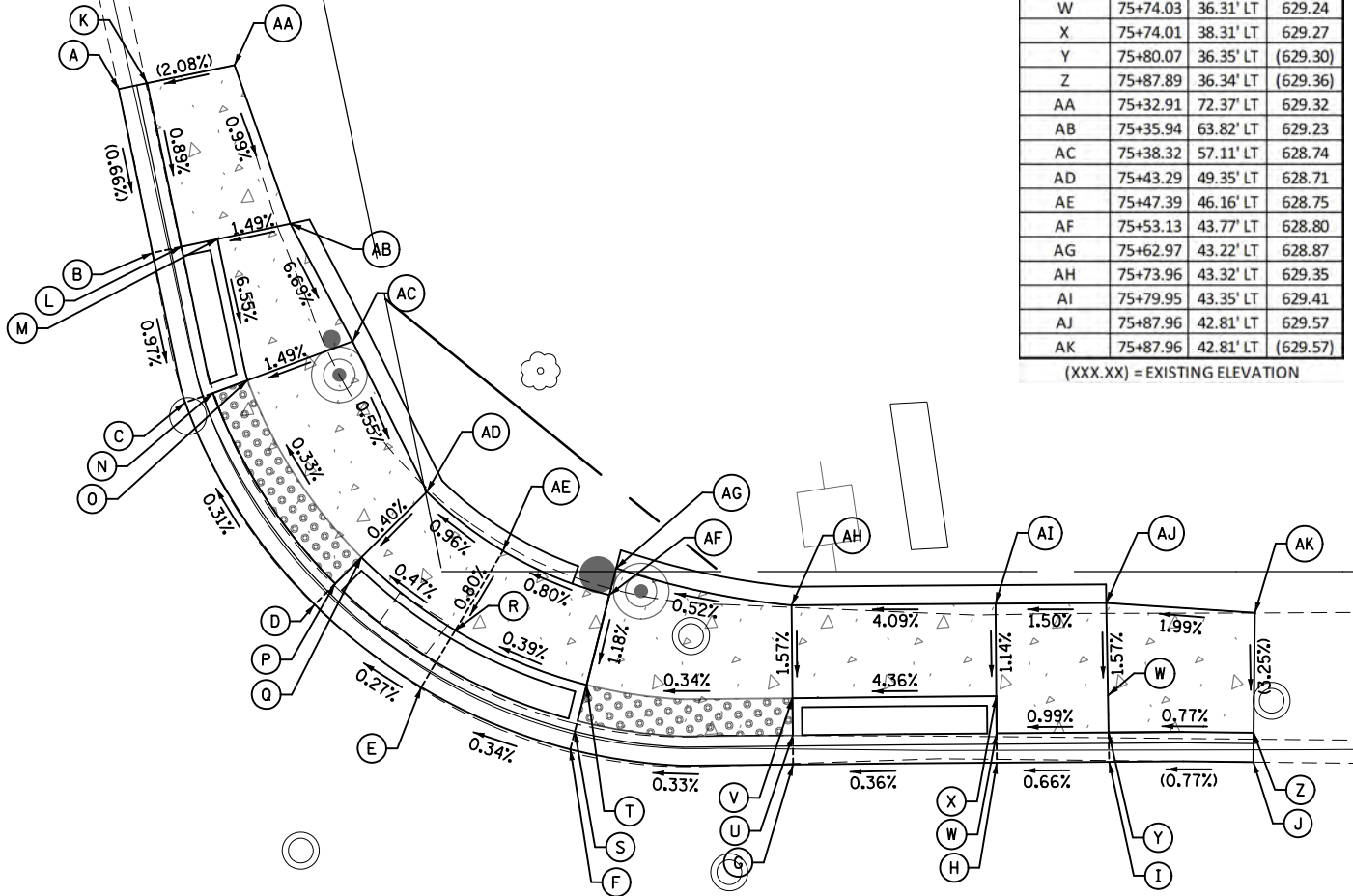
(XXX.XX) = EXISTING ELEVATION



RIVER RD.

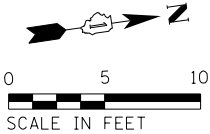
POINT	STA	OFF	ELEV
A	75+51.66	1.35' LT	(629.49)
B	75+63.66	1.47' LT	(629.57)
C	75+51.66	0.15' RT	629.53
D	75+63.66	0.03' RT	629.61
E	75+51.66	4.46' RT	629.49
F	75+63.66	4.46' RT	629.56
G	75+51.66	6.87' RT	629.47
H	75+63.66	8.93' RT	629.51
I	75+51.66	8.43' RT	(629.43)
J	75+63.66	10.44' RT	(629.47)

(XXX.XX) = EXISTING ELEVATION



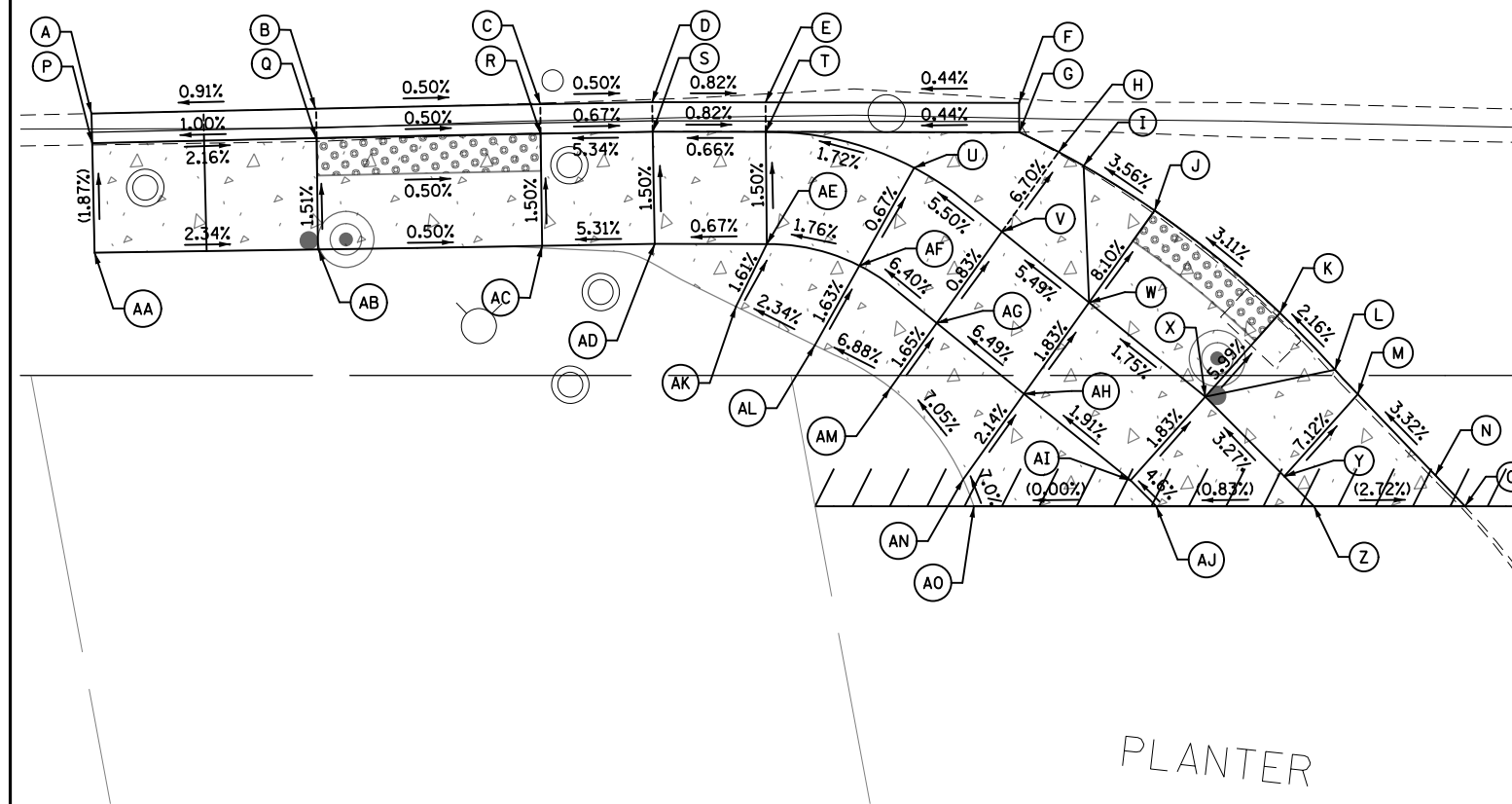
POINT	STA	OFF	ELEV
A	75+26.66	71.08' LT	(628.77)
B	75+28.49	62.24' LT	(628.71)
C	75+30.25	54.17' LT	628.63
D	75+37.24	43.27' LT	(628.67)
E	75+42.98	38.80' LT	(628.69)
F	75+51.03	35.46' LT	628.72
G	75+63.04	34.63' LT	(628.76)
H	75+74.04	34.73' LT	(628.80)
I	75+80.10	34.77' LT	(628.84)
J	75+87.87	34.76' LT	(628.90)
K	75+28.21	71.40' LT	(629.22)
L	75+30.01	62.56' LT	629.14
M	75+32.00	62.98' LT	629.17
N	75+31.74	54.68' LT	628.63
O	75+33.62	55.37' LT	628.66
P	75+38.35	44.39' LT	628.67
Q	75+39.76	45.81' LT	628.68
R	75+44.82	41.87' LT	628.71
S	75+51.42	36.99' LT	628.72
T	75+51.91	38.93' LT	628.74
U	75+63.03	36.21' LT	628.76
V	75+63.01	38.21' LT	628.79
W	75+74.03	36.31' LT	629.24
X	75+74.01	38.31' LT	629.27
Y	75+80.07	36.35' LT	(629.30)
Z	75+87.89	36.34' LT	(629.36)
AA	75+32.91	72.37' LT	629.32
AB	75+35.94	63.82' LT	629.23
AC	75+38.32	57.11' LT	628.74
AD	75+43.29	49.35' LT	628.71
AE	75+47.39	46.16' LT	628.75
AF	75+53.13	43.77' LT	628.80
AG	75+62.97	43.22' LT	628.87
AH	75+73.96	43.32' LT	629.35
AI	75+79.95	43.35' LT	629.41
AJ	75+87.96	42.81' LT	629.57
AK	75+87.96	42.81' LT	(629.57)

(XXX.XX) = EXISTING ELEVATION



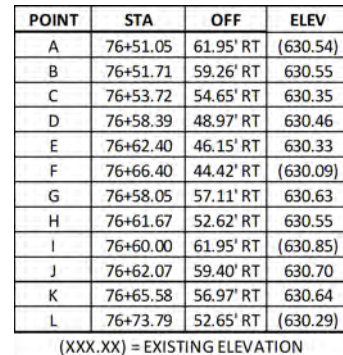
PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
NO. _____	RT. OF WAY CHECKED		
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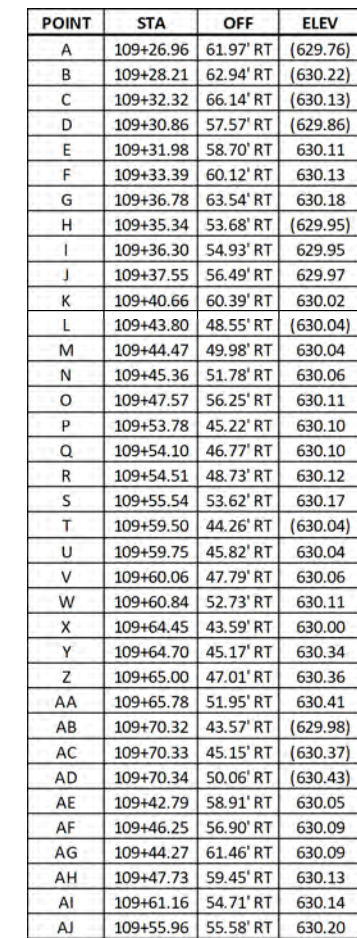
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	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
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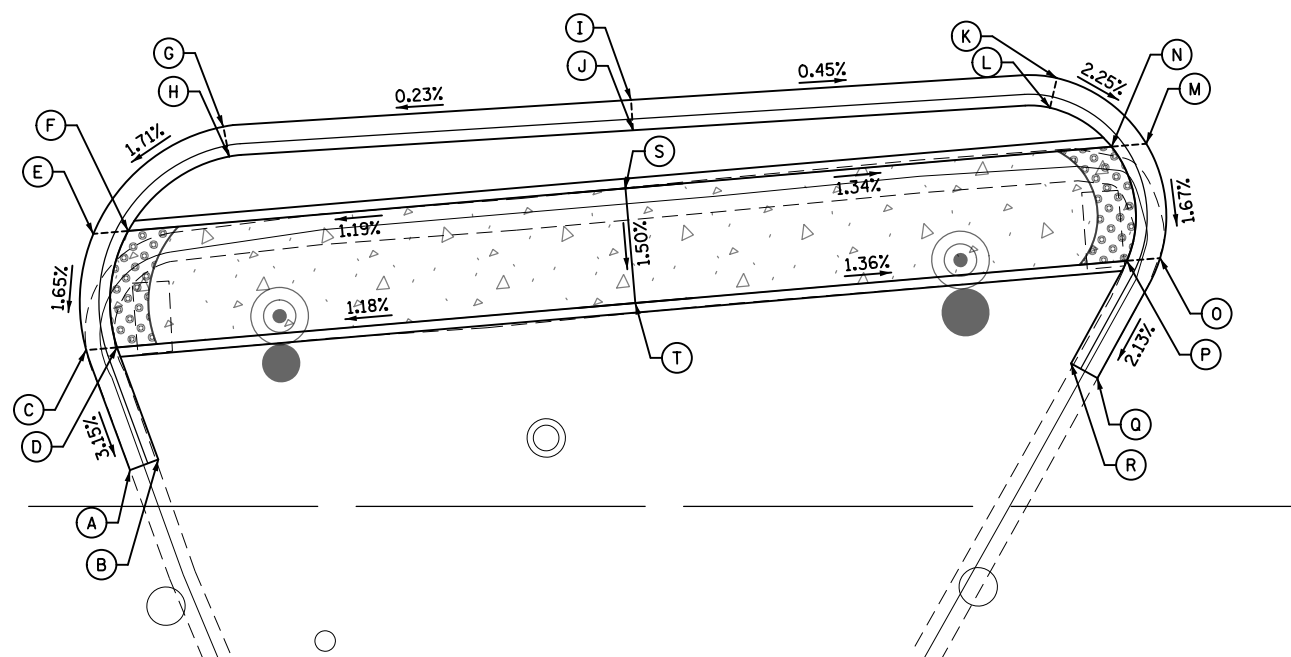
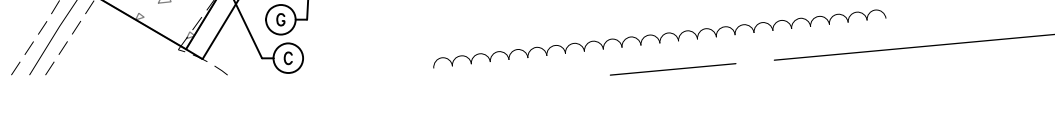
	POINT	STA	OFF	ELEV
	A	75+40.03	40.93' RT	(628.70)
	B	75+52.07	40.66' RT	628.81
	C	75+64.07	40.43' RT	(628.75)
	D	75+70.06	40.32' RT	(628.72)
	E	75+76.14	40.27' RT	(628.67)
	F	75+89.70	40.36' RT	628.73
	G	75+89.71	41.94' RT	629.13
	H	75+91.82	42.99' RT	629.22
	I	75+93.16	43.72' RT	629.25
	J	75+96.96	46.11' RT	629.34
	K	76+03.68	51.60' RT	(629.68)
	L	76+06.62	54.64' RT	(629.77)
	M	76+07.84	55.95' RT	(629.81)
	N	76+12.01	60.30' RT	(630.01)
	O	75+40.07	42.51' RT	(629.07)
	P	75+52.09	42.24' RT	(628.81)
	Q	75+64.09	42.01' RT	628.75
	R	75+70.08	41.90' RT	629.07
	S	75+76.15	41.91' RT	629.11
	T	75+84.08	43.83' RT	629.25
	U	75+88.79	47.25' RT	629.50
	V	75+93.46	51.04' RT	629.79
	W	75+99.68	56.08' RT	629.91
	X	76+03.91	60.35' RT	630.17
	Y	76+08.14	64.62' RT	630.44
	Z	75+40.20	48.38' RT	(629.18)
	AA	75+52.17	48.20' RT	(628.90)
	AB	75+64.16	48.01' RT	628.84
	AC	75+70.19	47.90' RT	629.16
	AD	75+76.19	47.91' RT	629.20
	AE	75+81.16	49.07' RT	629.29
	AF	75+85.30	52.15' RT	629.54
	AG	75+89.97	55.93' RT	629.83
	AH	75+95.67	60.56' RT	629.95
	AI	75+99.90	64.83' RT	630.23
	AJ	76+04.13	69.10' RT	(630.51)
	AK	75+74.55	51.26' RT	629.26
	AL	75+78.77	53.34' RT	629.37
	AM	75+82.83	55.61' RT	629.58
	AN	75+86.71	60.50' RT	629.86
	AO	75+91.67	65.04' RT	(629.04)

(XX.XX) = EXISTING ELEVATION





(XXX.XX) = EXISTING ELEVATION

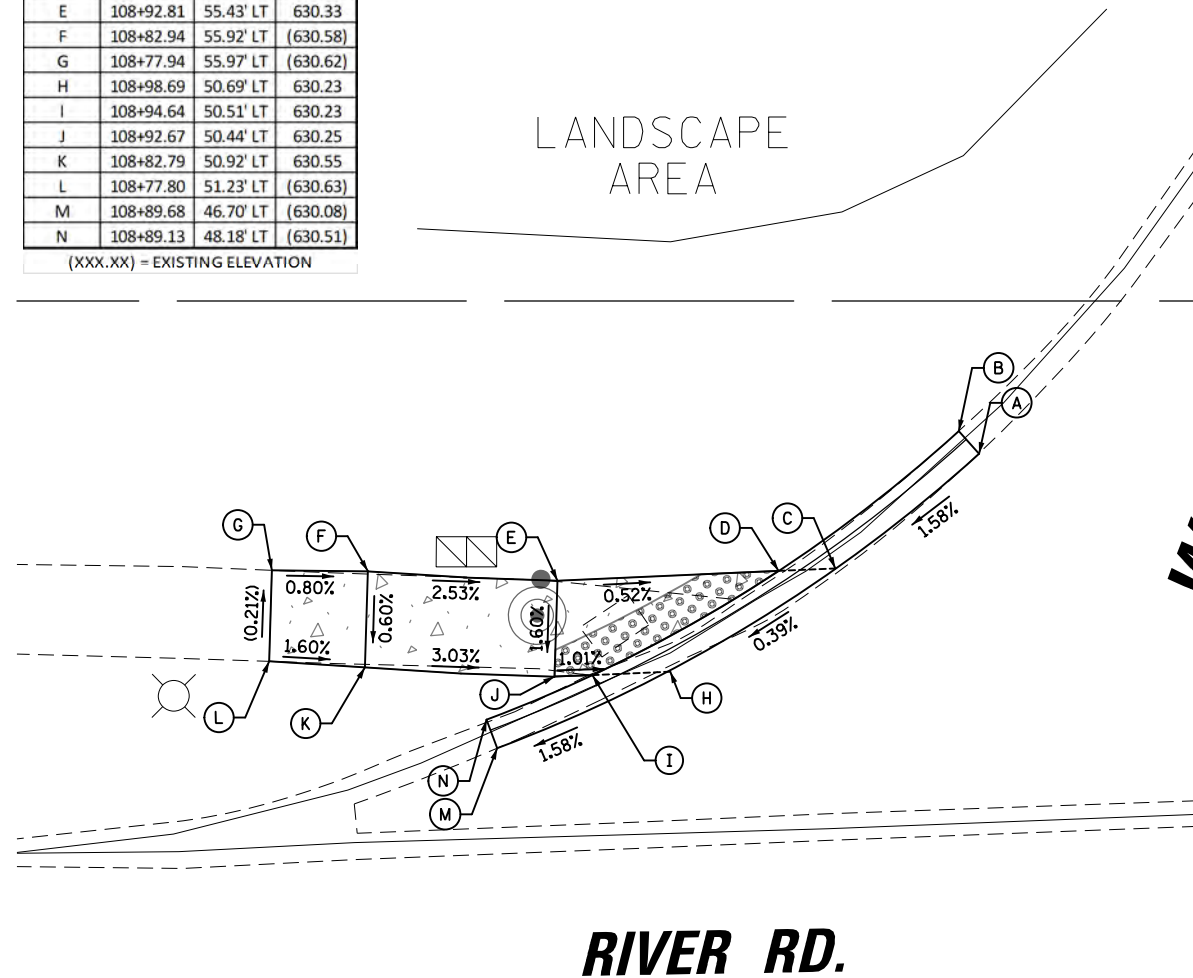


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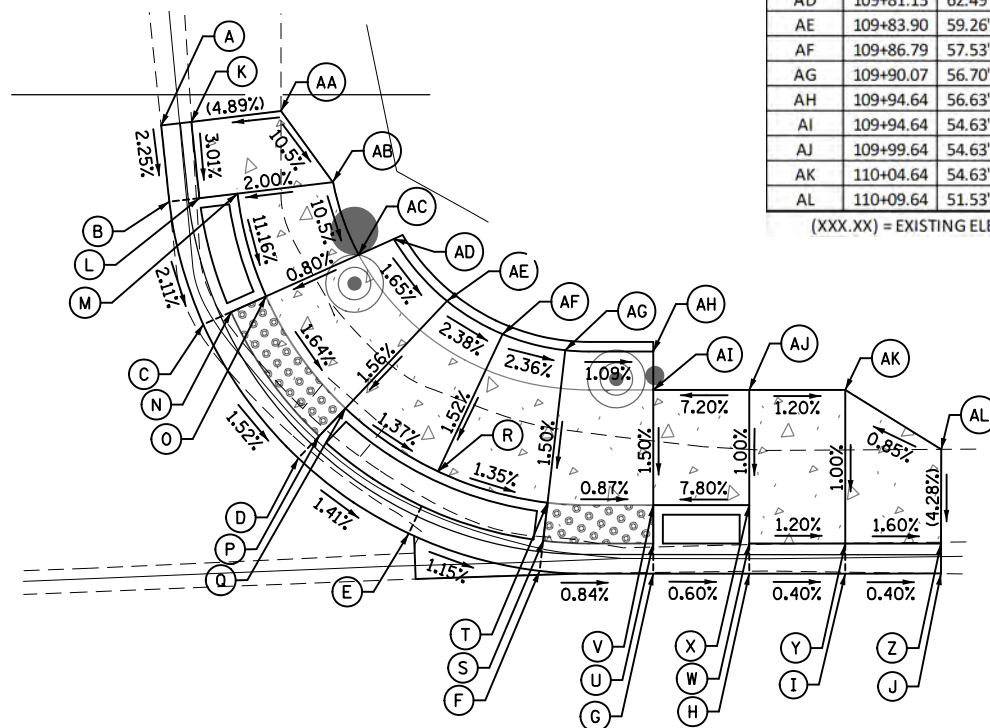
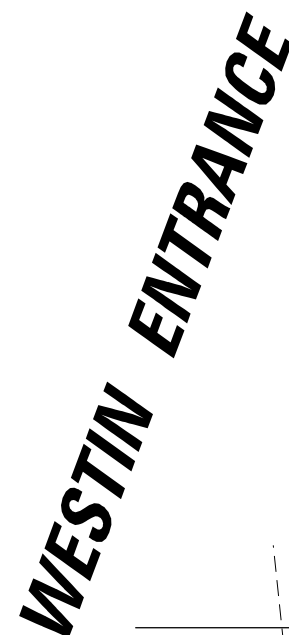
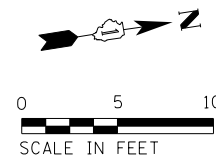
POINT	STA	OFF	ELEV
A	109+14.78	62.05' LT	(630.33)
B	109+13.73	63.22' LT	(630.7)
C	109+07.29	56.07' LT	630.27
D	109+04.34	55.94' LT	630.27
E	108+92.81	55.43' LT	630.33
F	108+82.94	55.92' LT	(630.58)
G	108+77.94	55.97' LT	(630.62)
H	108+98.69	50.69' LT	630.23
I	108+94.64	50.51' LT	630.23
J	108+92.67	50.44' LT	630.25
K	108+82.79	50.92' LT	630.55
L	108+77.80	51.23' LT	(630.63)
M	108+89.68	46.70' LT	(630.08)
N	108+89.13	48.18' LT	(630.51)

(XXX.XX) = EXISTING ELEVATION

(XXX.XX) = EXISTING ELEVATION



WESTIN ENTRANCE



RIVER RD.

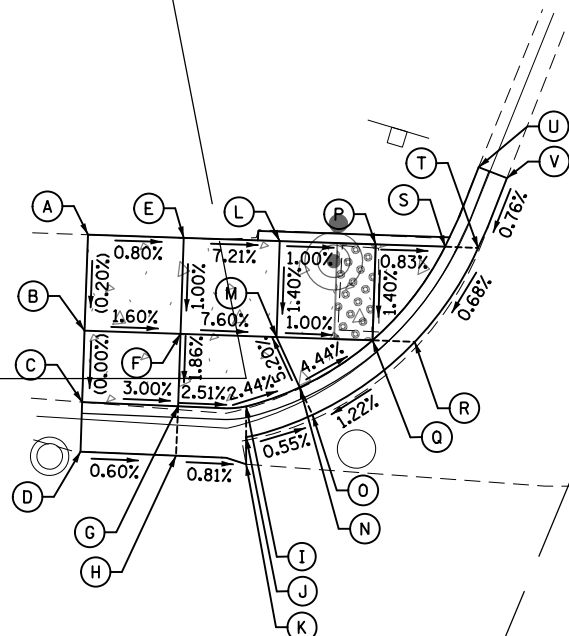
POINT	STA	OFF	ELEV
A	109+69.01	68.41' LT	(630.64)
B	109+69.43	64.43' LT	(630.55)
C	109+71.20	58.04' LT	(630.41)
D	109+76.15	51.07' LT	630.28
E	109+81.90	47.14' LT	(630.18)
F	109+88.72	45.20' LT	630.1
G	109+94.64	45.05' LT	(630.06)
H	109+99.64	45.05' LT	630.03
I	110+04.64	45.05' LT	(630.01)
J	110+09.64	45.04' LT	(629.99)
K	109+70.58	68.59' LT	(631.12)
L	109+71.00	64.62' LT	631.00
M	109+72.98	64.85' LT	631.04
N	109+72.64	58.68' LT	630.41
O	109+74.47	59.50' LT	630.43
P	109+77.24	52.22' LT	630.28
Q	109+78.61	53.67' LT	630.30
R	109+83.43	50.38' LT	630.22
S	109+88.91	46.77' LT	630.11
T	109+89.14	48.75' LT	630.14
U	109+94.64	46.63' LT	630.06
V	109+94.64	48.63' LT	630.09
W	109+99.64	46.63' LT	630.46
X	109+99.64	48.63' LT	630.48
Y	110+04.64	46.63' LT	(630.40)
Z	110+09.64	46.62' LT	(630.32)
AA	109+75.25	69.16' LT	(631.35)
AB	109+77.95	65.45' LT	631.14
AC	109+79.30	61.67' LT	630.47
AD	109+81.13	62.49' LT	630.49
AE	109+83.90	59.26' LT	630.42
AF	109+86.79	57.53' LT	630.34
AG	109+90.07	56.70' LT	630.26
AH	109+94.64	56.63' LT	630.21
AI	109+94.64	54.63' LT	630.18
AJ	109+99.64	54.63' LT	630.54
AK	110+04.64	54.63' LT	630.48
AL	110+09.64	51.53' LT	630.53

(XXX.XX) = EXISTING ELEVATION

[illegible]

POINT	STA	OFF	ELEV
A	102+67.44	57.14' LT	(631.18)
B	102+67.27	52.15' LT	(631.17)
C	102+67.15	48.43' LT	(631.17)
D	102+67.06	45.85' LT	(630.67)
E	102+72.44	56.98' LT	631.14
F	102+72.27	51.98' LT	631.09
G	102+72.14	48.21' LT	631.02
H	102+72.03	45.63' LT	(630.64)
I	102+75.69	48.21' LT	630.97
J	102+75.69	46.60' LT	630.60
K	102+75.69	45.19' LT	630.61
L	102+77.43	56.81' LT	630.78
M	102+77.27	51.81' LT	630.71
N	102+78.48	49.19' LT	630.86
O	102+79.14	47.76' LT	(630.58)
P	102+82.43	56.64' LT	630.73
Q	102+82.26	51.64' LT	630.66
R	102+84.47	51.57' LT	630.66
S	102+86.05	56.52' LT	630.70
T	102+87.77	56.46' LT	630.70
U	102+87.80	60.67' LT	(631.27)
V	102+89.27	60.09' LT	(630.73)

(XXX.XX) = EXISTING ELEVATION



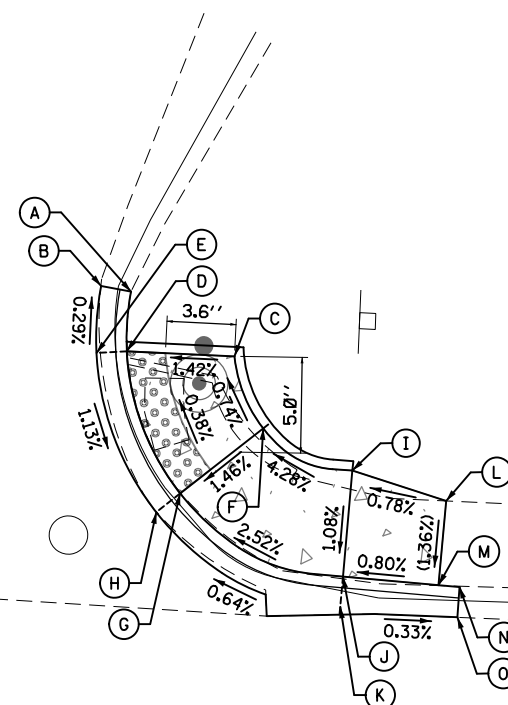
RIVER RD.



**RAMP 32X
I-294 OFF RAMP**

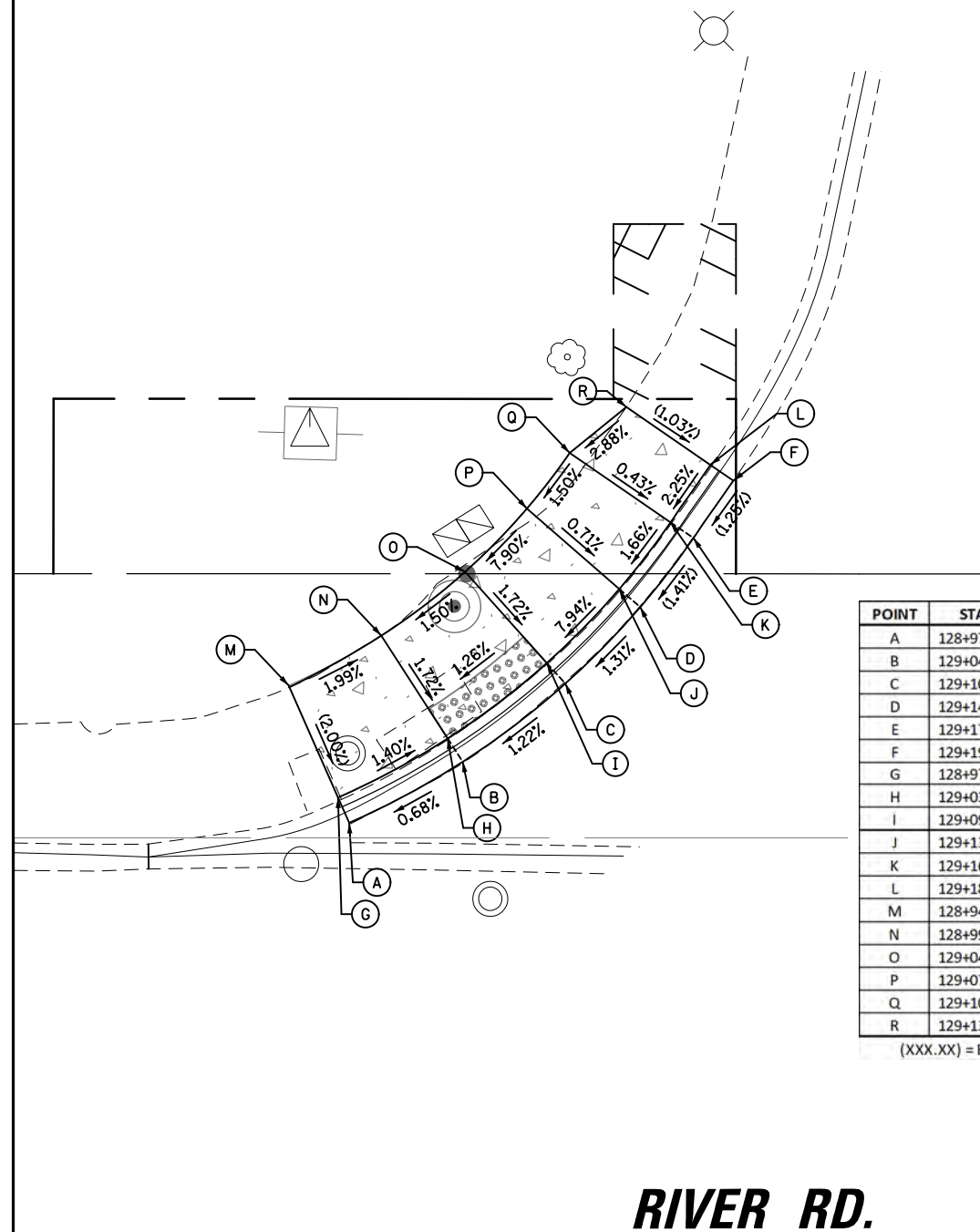
POINT	STA	OFF	ELEV
A	103+29.62	58.87' LT	(631.24)
B	103+28.07	59.16' LT	(630.71)
C	103+35.02	55.49' LT	(630.92)
D	103+29.41	55.76' LT	(630.84)
E	103+27.83	55.68' LT	(630.72)
F	103+36.51	51.74' LT	630.95
G	103+32.19	48.35' LT	(630.87)
H	103+30.95	47.37' LT	(630.62)
I	103+41.16	49.54' LT	631.17
J	103+40.67	44.02' LT	631.11
K	103+40.49	42.04' LT	(630.69)
L	103+46.04	47.96' LT	(631.21)
M	103+45.65	43.57' LT	(631.15)
N	103+46.74	43.48' LT	(631.11)
O	103+46.63	41.90' LT	(630.67)

(XXX.XX) = EXISTING ELEVATION



RIVER RD.

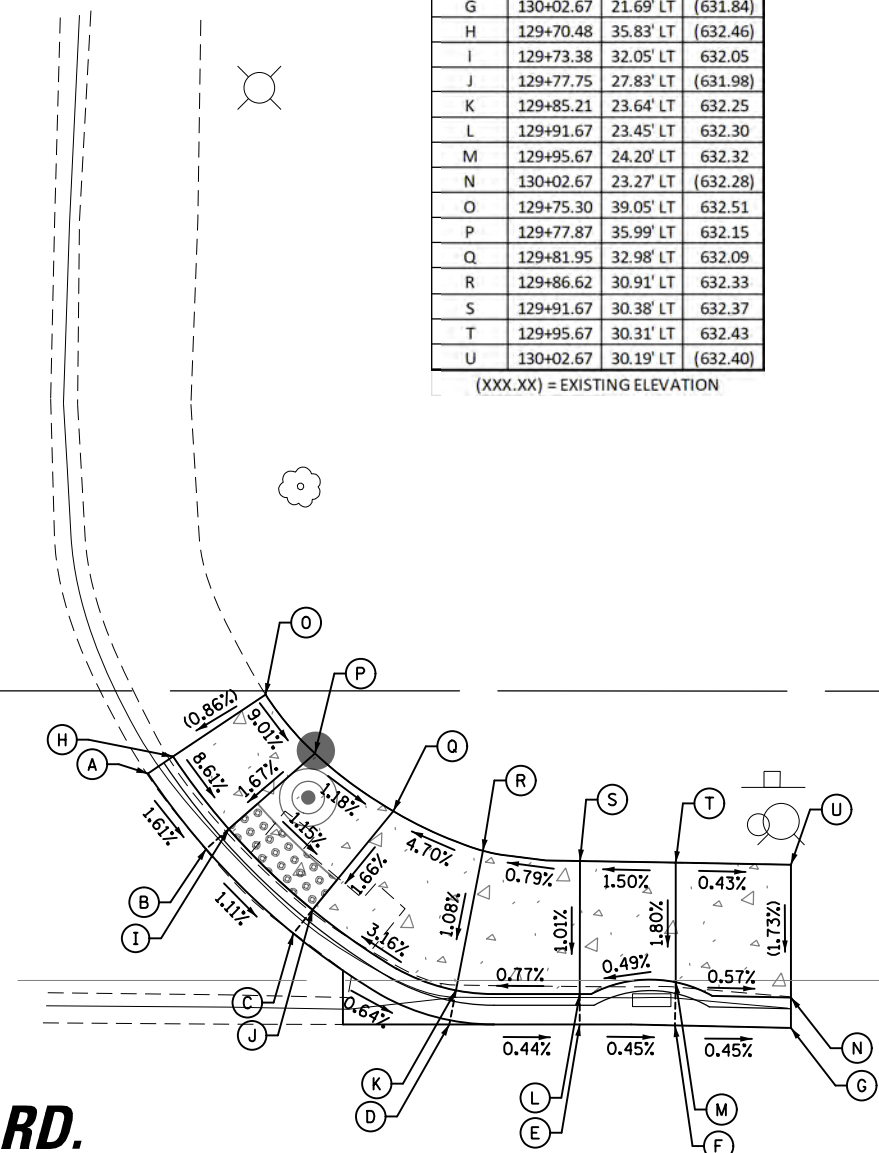
FILE NAME =	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS RAMP 32X /I-294 RAMP AND RIVER RD RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\20004\Civil\ADA.05.20004.SH		DRAWN - X	REVISED -			1034 & 2710	19-00035-00-SP	COOK	101	26
	PLOT SCALE = 10'	CHECKED - X	REVISED -			CONTRACT NO. 61L21				
	PLOT DATE = 6/20/2025	DATE -	REVISED -			SCALE: 5	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1



**ONE O'HARE CORPORATE
CENTER ENTRANCE**

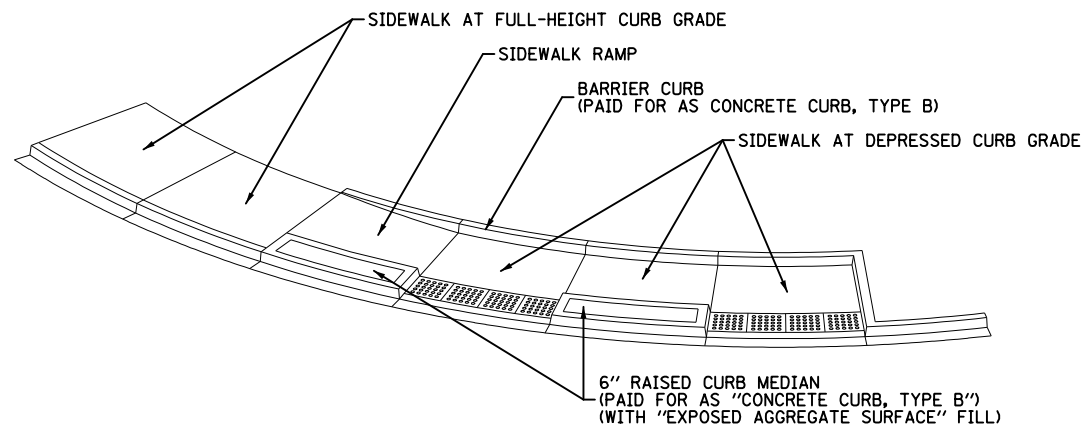
POINT	STA	OFF	ELEV
A	128+97.74	25.02' LT	(631.95)
B	129+04.24	28.51' LT	632.00
C	129+10.10	32.98' LT	632.00
D	129+14.38	37.36' LT	(632.17)
E	129+17.42	41.30' LT	(632.24)
F	129+19.70	44.58' LT	(632.29)
G	128+97.11	26.46' LT	(632.10)
H	129+03.38	29.84' LT	632.00
I	129+09.04	34.16' LT	632.09
J	129+13.19	38.38' LT	632.56
K	129+16.12	42.19' LT	632.64
L	129+18.39	45.49' LT	(632.73)
M	128+94.29	32.87' LT	(632.24)
N	128+99.59	35.72' LT	632.12
O	129+04.37	39.37' LT	632.21
P	129+07.91	42.99' LT	632.61
Q	129+10.35	46.16' LT	632.67
R	129+13.59	48.79' LT	(632.79)

(XXX.XX) = EXISTING ELEVATION

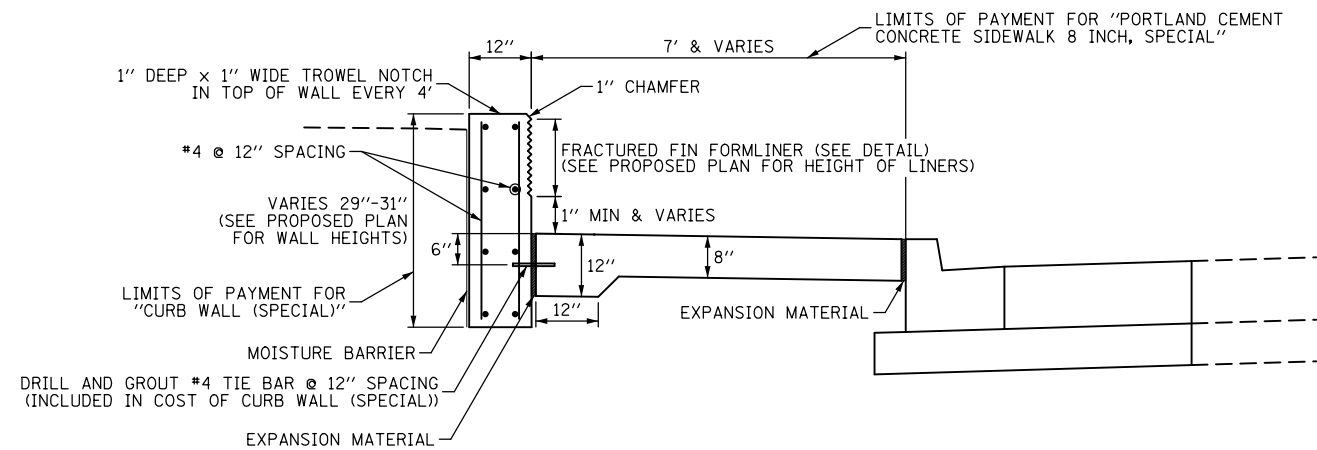


POINT	STA	OFF	ELEV
A	129+69.17	34.95' LT	(632.13)
B	129+72.20	31.00' LT	632.05
C	129+76.75	26.61' LT	631.98
D	129+84.91	22.09' LT	631.92
E	129+91.67	21.87' LT	(631.89)
F	129+95.67	21.84' LT	631.88
G	130+02.67	21.69' LT	(631.84)
H	129+70.48	35.83' LT	(632.46)
I	129+73.38	32.05' LT	632.05
J	129+77.75	27.83' LT	(631.98)
K	129+85.21	23.64' LT	632.25
L	129+91.67	23.45' LT	632.30
M	129+95.67	24.20' LT	632.32
N	130+02.67	23.27' LT	(632.28)
O	129+75.30	39.05' LT	632.51
P	129+77.87	35.99' LT	632.15
Q	129+81.95	32.98' LT	632.09
R	129+86.62	30.91' LT	632.33
S	129+91.67	30.38' LT	632.37
T	129+95.67	30.31' LT	632.43
U	130+02.67	30.19' LT	(632.40)

(XXX.XX) = EXISTING ELEVATION

[illegible]

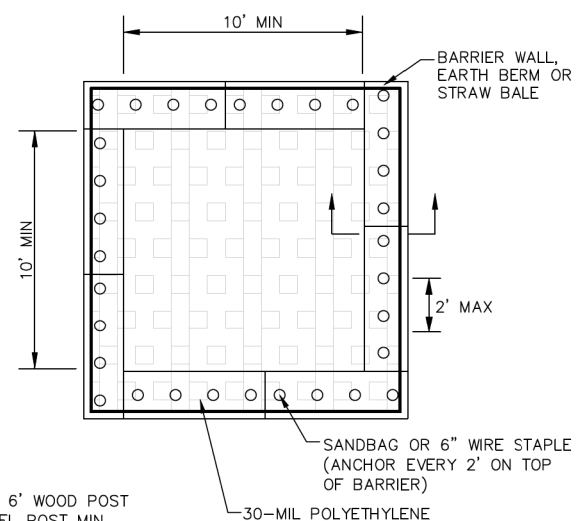
ADA RAMP WITH RAISED CURB MEDIAN DETAIL



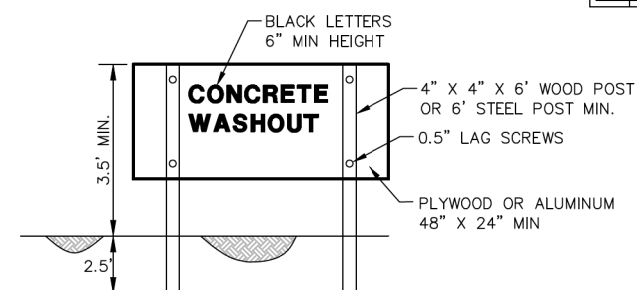
PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL
CURB WALL (SPECIAL)

- ## NOTES

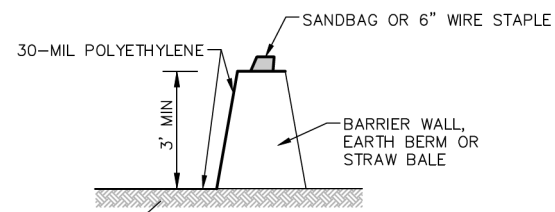
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. CONCRETE WASHOUT SHOULD NOT BE ALLOWED IN STREET OR TO REACH A STORM WATER DRAINAGE SYSTEM OR WATERCOURSE.
4. CONCRETE WASHOUT AREA TO BE LOCATED AT LEAST 10' BEHIND CURB IF ADJACENT TO A PAVED ROAD.
5. IF USING STRAW BALES, STAKE IN PLACE USING (2) 2"x2"x4' WOODEN STAKES.
6. STRAW BALES SHALL BE TRENCHED IN 3".
7. CONCRETE WASHOUT DUMPSTER MAY BE USED IN LIEU OF CONSTRUCTION ONE AS DETAILED.



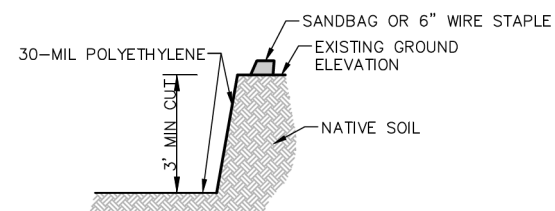
PLAN VIEW



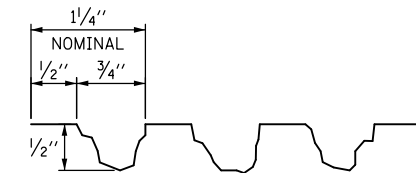
CONCRETE WASHOUT SIGN DETAIL
(OR EQUIVALENT)



ABOVE GRADE ANCHOR SECTION



SUBGRADE ANCHOR SECTION



FRACTURED FIN FORMLINER DETAIL

(PAID FOR AS "FORM LINER TEXTURED SURFACE")

- MAINTENANCE:

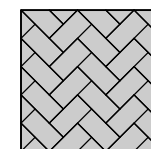
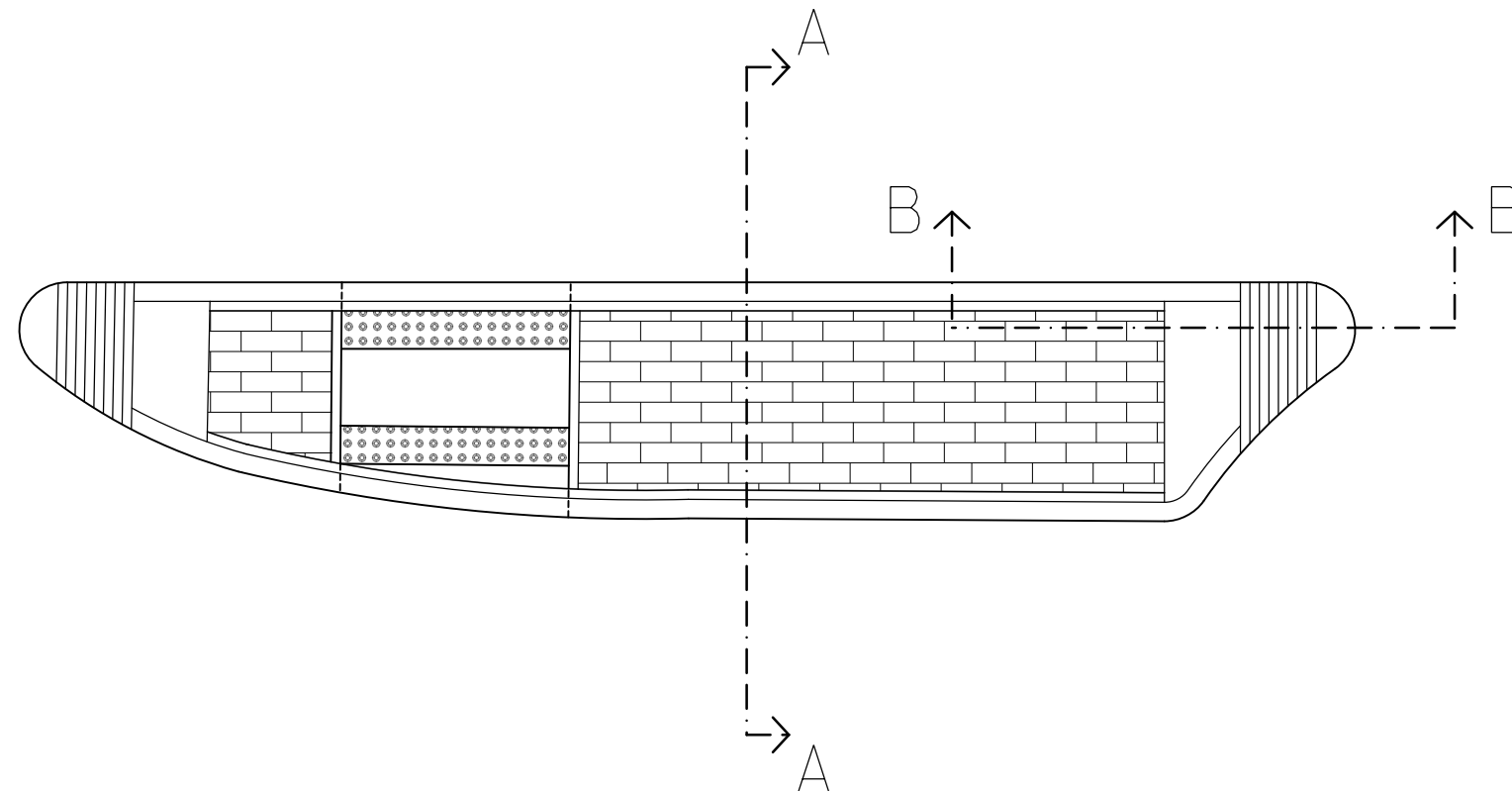
1. DRIED CONCRETE WASTE SHALL BE PICKED UP AND DISPOSED OF PROPERLY WHEN 75% OF CAPACITY IS REACHED.

03.15.2016

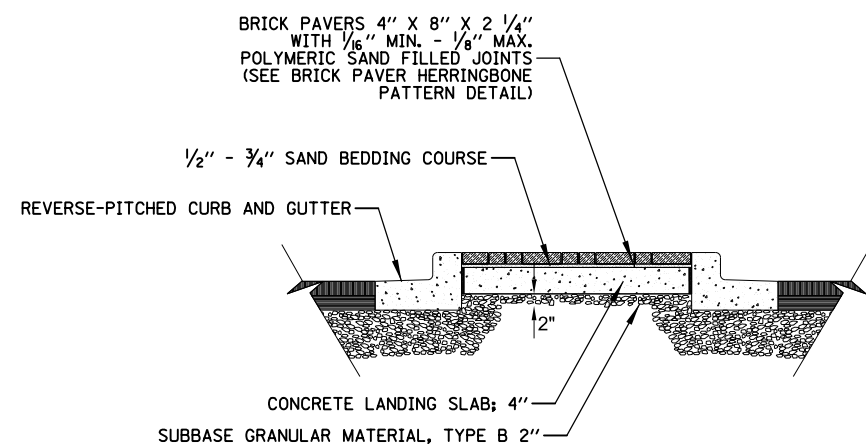
CONCRETE WASHOUT

FILE NAME = N:\ROSEMONT\20004\Civil\DET_01.20004.shx	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL SHEET RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - X	REVISED -						1034 & 2710	19-00035-00-SP	COOK	101	28
	PLOT SCALE = 10'	CHECKED - X	REVISED -		CONTRACT NO. 61L21								
	PLOT DATE = 6/20/2025	DATE -	REVISED -										
					SCALE: NOT TO SCALE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :				

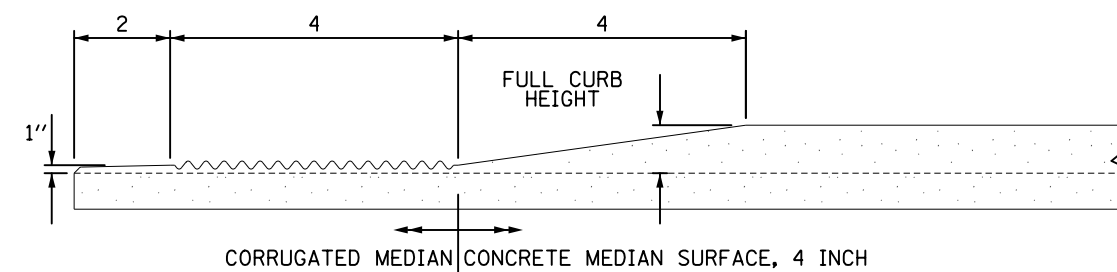
PROFILE	BY	DATE	 CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 923-0800	PLAN	BY	DATE
SUPERSED NOTES				SUPERSED PLAN		
GRADES CHECKED				ALIGNMENT CHECKED		
NOTE BOOK				RT. OF WAY CHECKED		
STRUCTURE NOTATIONS CHWD				CADD FILE NAME NO. _____		



BRICK PAVER HERRINGBONE PATTERN DETAIL



SECTION A – ADA RAMP WITH RAISED CURB MEDIAN DETAIL



SECTION B – MEDIAN NOSE TRANSITION DETAIL

FILE NAME =	USER NAME = bgunnells	DESIGNED - X	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL SHEET RIVER RD & BALMORAL AVE SIGNAL MODERNIZATION PROJECT	F.A.U. RTE. 1034 & 2710	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
N:\ROSEMONT\20004\Civil\DET_02.20004.shx		DRAWN - X	REVISED -			19-00035-00-SP	COOK	101	29				
	PLOT SCALE = 10'	CHECKED - X	REVISED -			CONTRACT NO. 61L21							
	PLOT DATE = 6/20/2025	DATE -	REVISED -										
						SCALE: NOT TO SCALE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT :
									CONTRACT NO. 61L21				

PROFILE

SURVEYED
PLOTTED
NOTED
BY: _____
STRUCTURE NOTATIONS OK/KO

NOTE BOOK
NO. _____

DATE

BY

CHRISTOPHER B. BURKE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

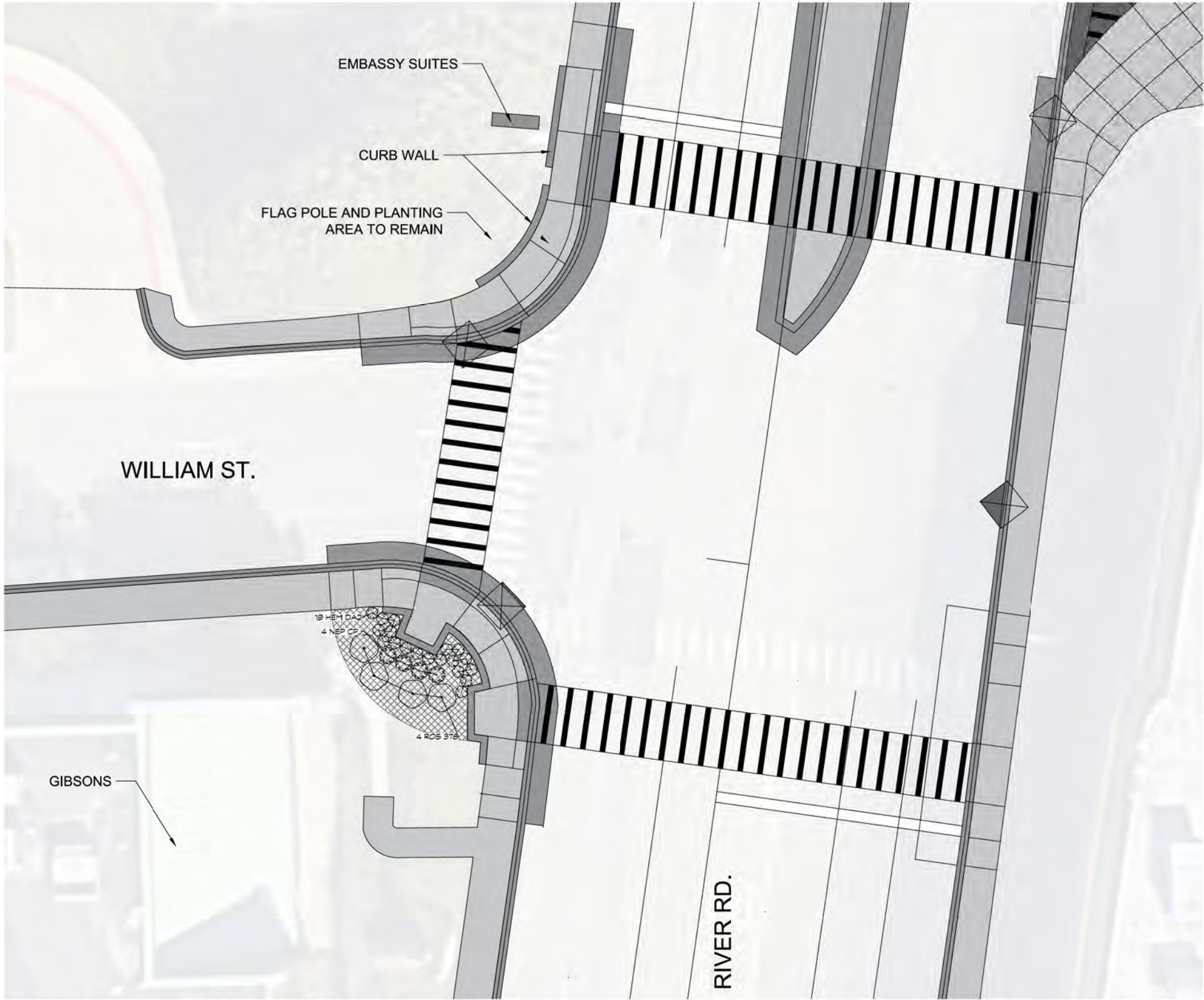
PLAN

SURVEYED
PLOTTED
NOTED
BY: _____
CAD FILE NAME

NOTE BOOK
NO. _____

DATE

BY



PLANT SCHEDULE							
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
SHRUBS							
	HEM DA2	Hemerocallis lilloasphodelus / Lemon Daylily	1 gal.	Container	19		
	NEP CPJ	Nepeta x 'Cat's Pajamas' / Cat's Pajamas Catmint	1 gal.	Container	4		
	ROS 378	Rosa x 'Radrazz' / Knock Out® Shrub Rose	3 gal.	Container	4		

LEGEND

Mulch and TopSoil



TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

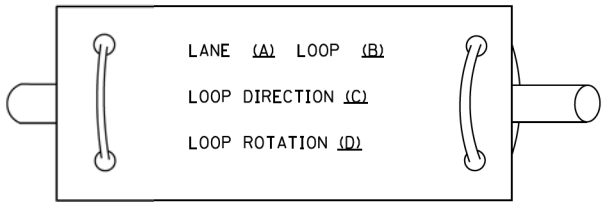
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM					
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
CONFIMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A. RTE. 1034 & 2710	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED					19-00035-00-SP	COOK	101	31	
	PLOT SCALE	CHECKED	REVISED					TS-05				
	PLOT DATE	DATE	REVISED					CONTRACT NO.61L21				
					SCALE: NONE	SHEET 1	OF 7	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

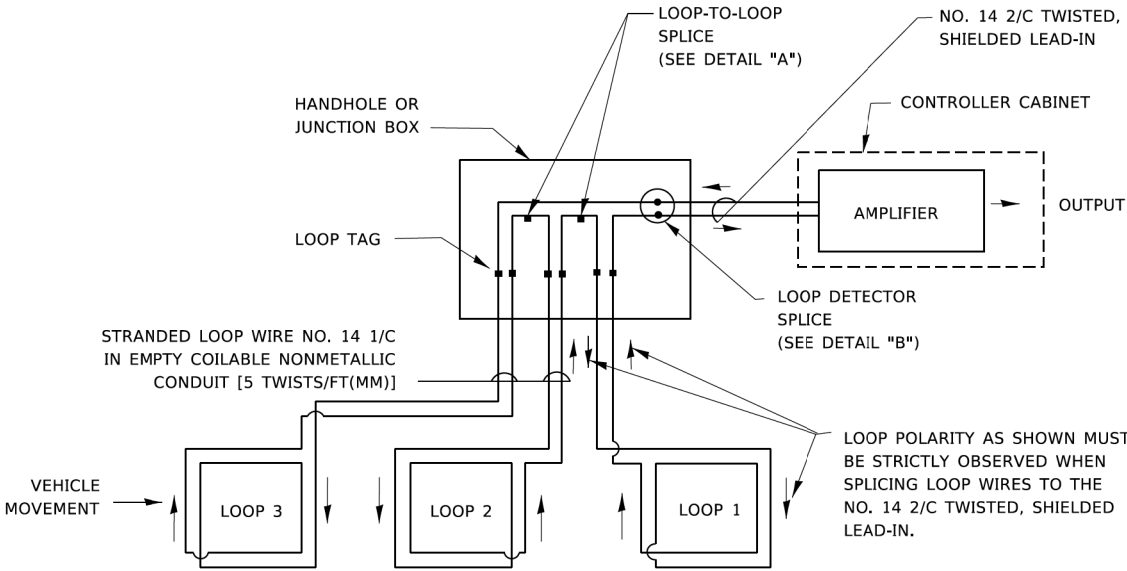
LOOP DETECTOR NOTES

- 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.
- 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 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.
- 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.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

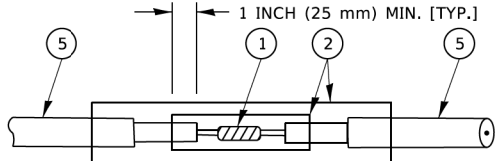


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

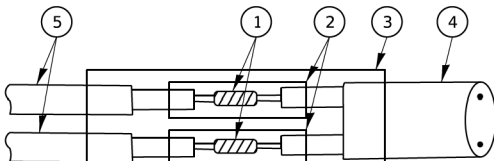


DETECTOR LOOP WIRING SCHEMATIC

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

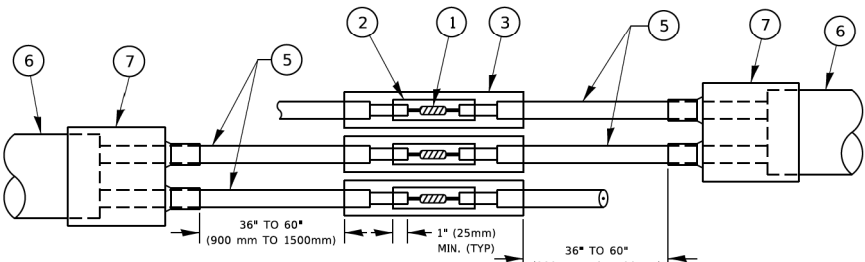


DETAIL "A"
LOOP-TO-LOOP SPLICE

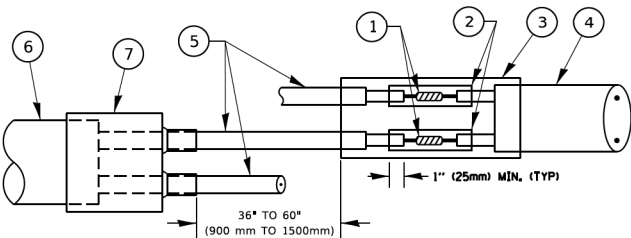


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

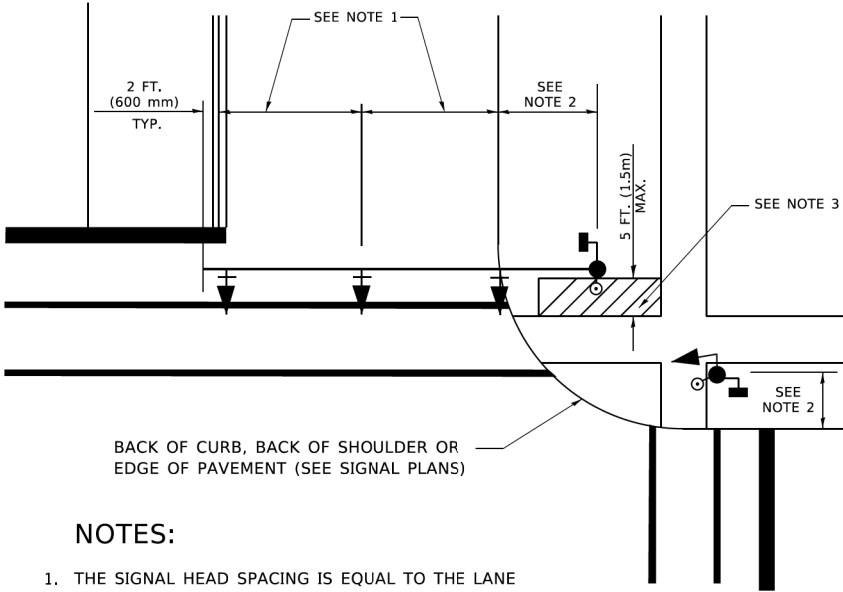
LOOP DETECTOR SPLICE

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

TS SHT NO. 2	USER NAME = footemj			DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A. RTE. 1034 & 2710	SECTION 19-00035-00-SP	COUNTY COOK	TOTAL SHEETS 101	SHEET NO. 32
	DRAWN -			REVISED -	REVISED -		SCALE: NONE			SHEET 2 OF 7 SHEETS			CONTRACT NO.61L21	
	PLOT SCALE = 50,0000 ' / in.			CHECKED -	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/4/2019			DATE -	REVISED -									

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

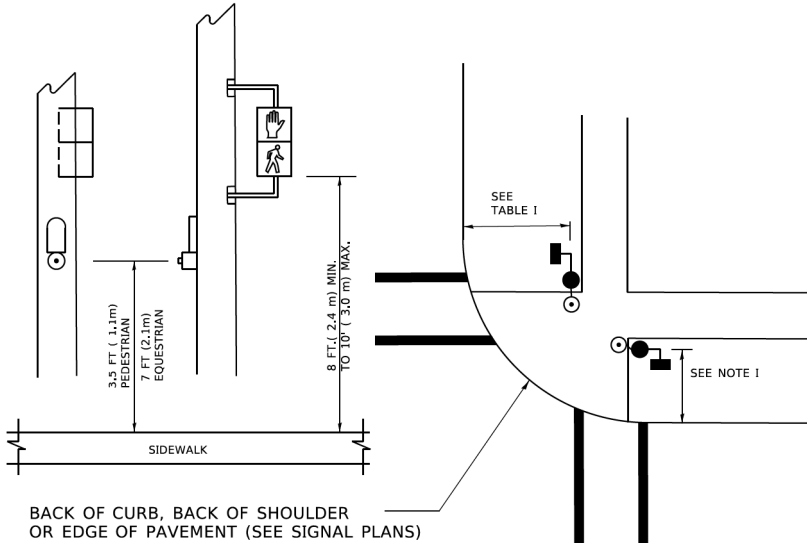
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

- 1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE 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."

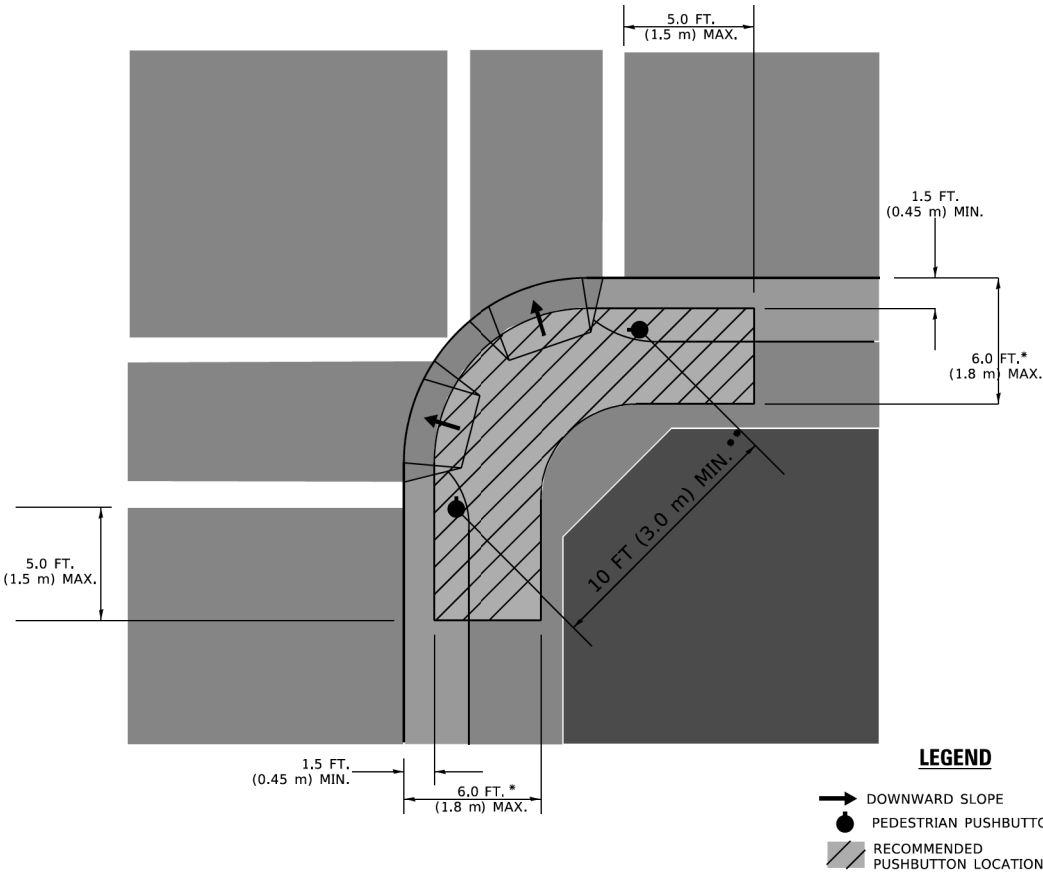
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



- * 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:

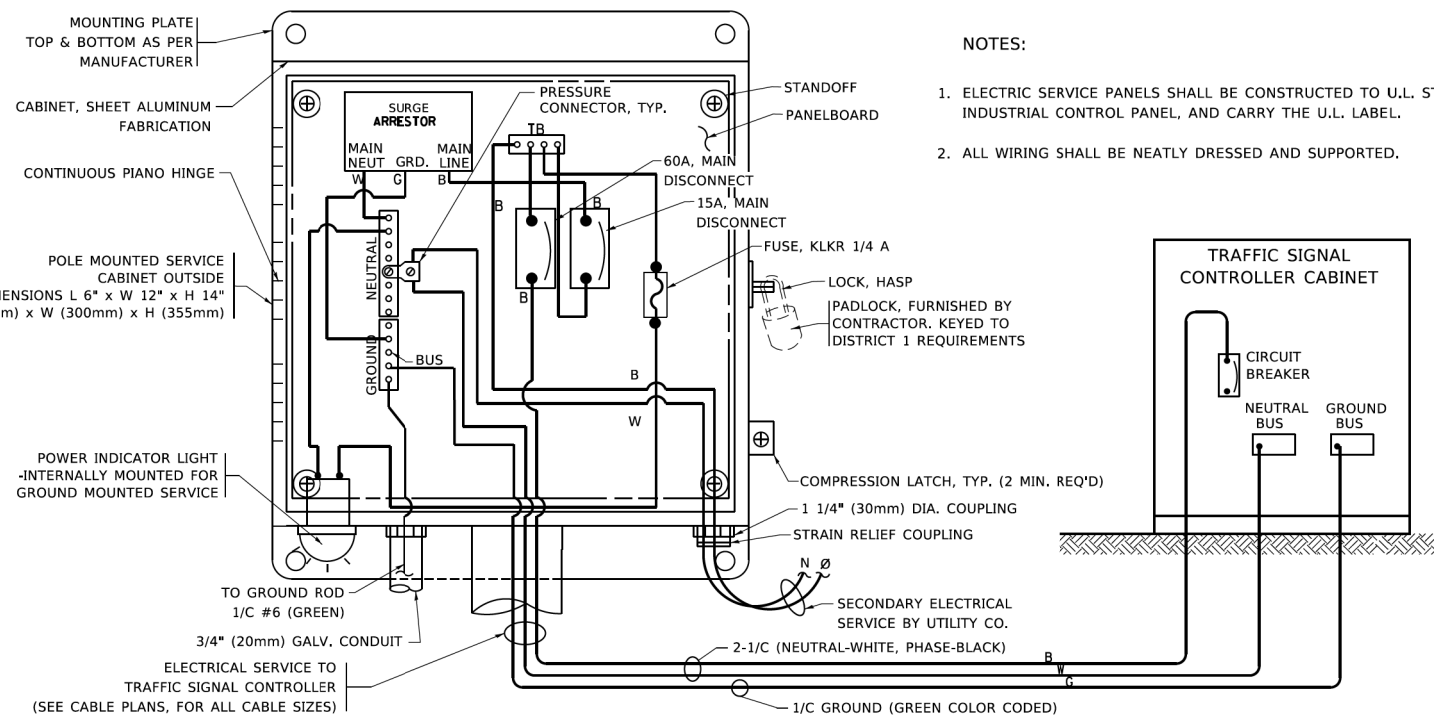
- 1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- 2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 5. 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

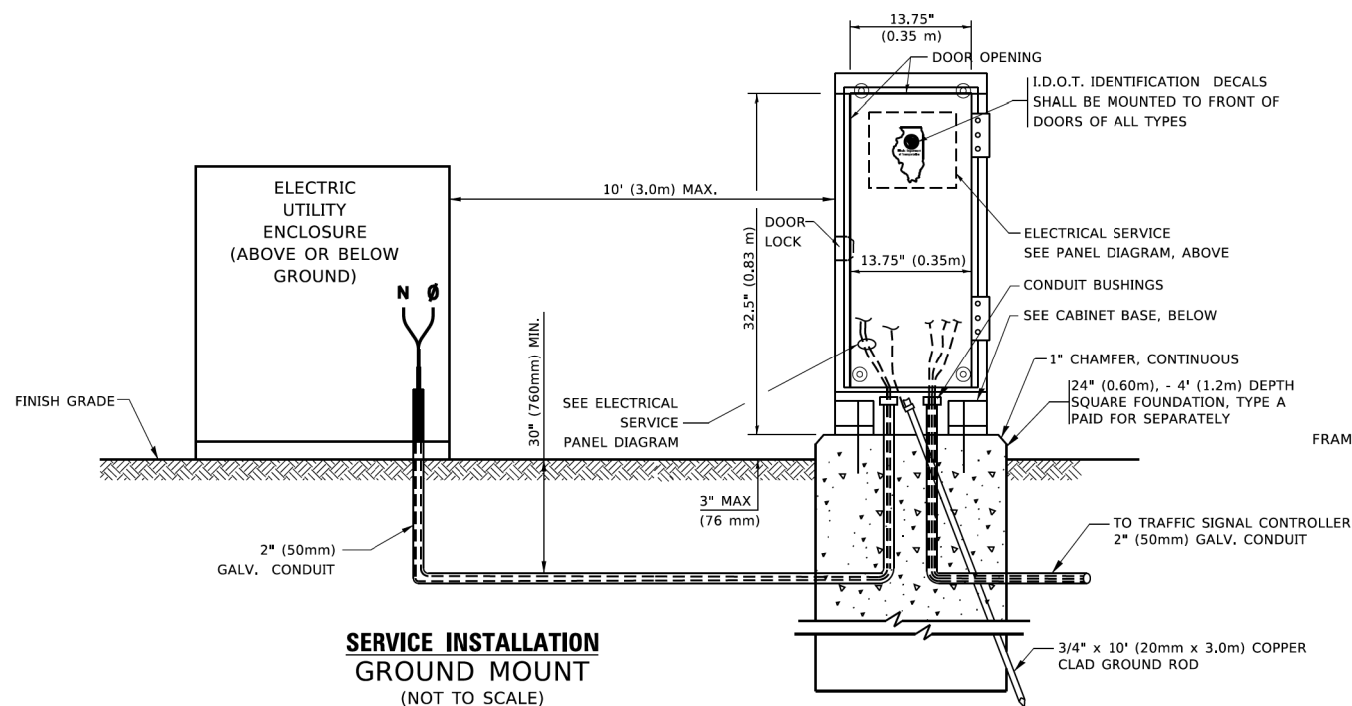
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

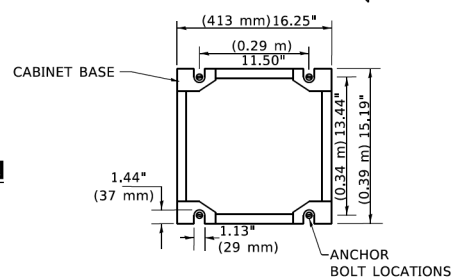
- 1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
-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



ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

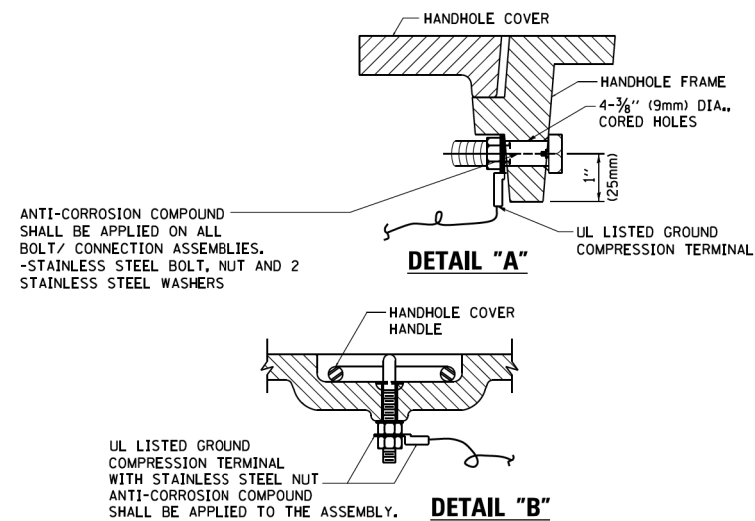


SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)



CABINET – BASE BOLT PATTERN
(NOT TO SCALE)

- NOTES:
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



SEE DETAIL "A"

SEE DETAIL "B"

RECESSED COVER

CABLE HOOKS REQUIRED, ALL HANDHOLES

GROUND CABLES TO CONTROLLER DOUBLE HANDHOLE

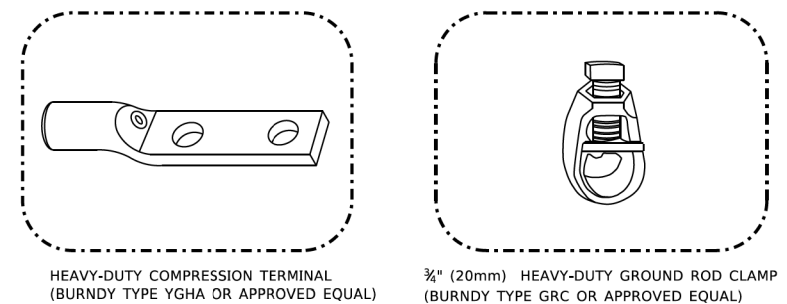
TO POLE OR POST AS REQ'D.

MENT GROUNDING GROUND (GREEN COLOR CODED)

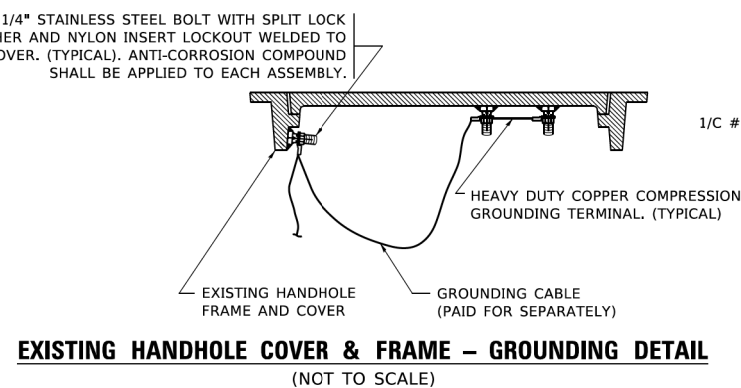
U.L. LISTED DIRECT BURIAL SPLICE KIT

HANDHOLE COVER & FRAME – GROUNDING DETAIL

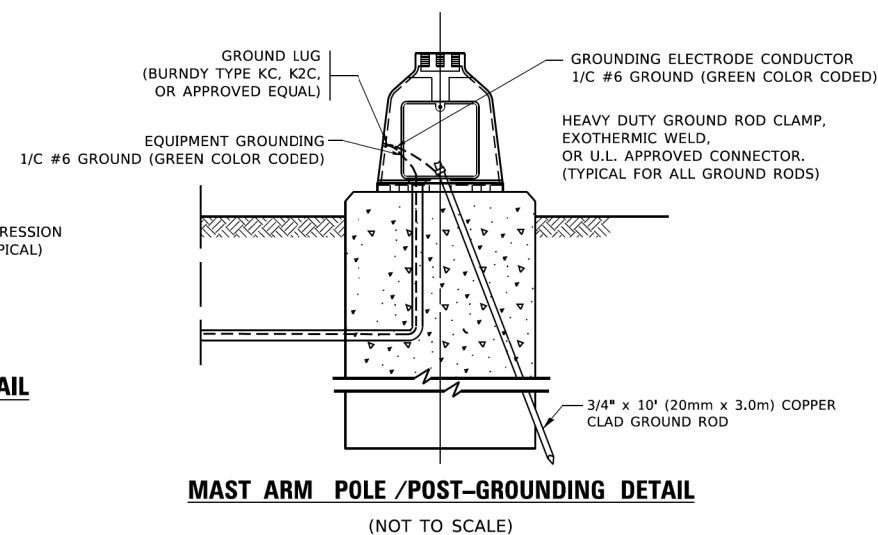
(NOT TO SCALE)



- ## NOTES:
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
- 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES.
- 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
- 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

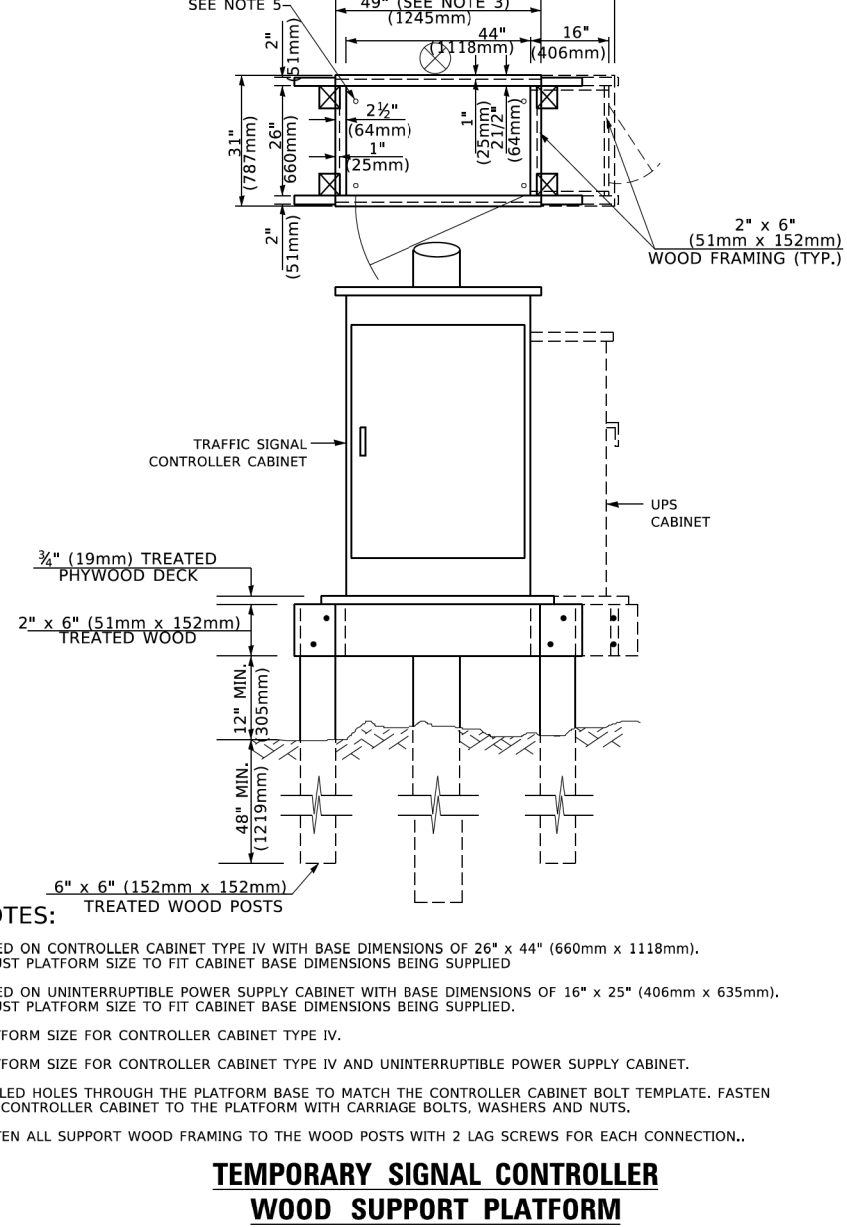
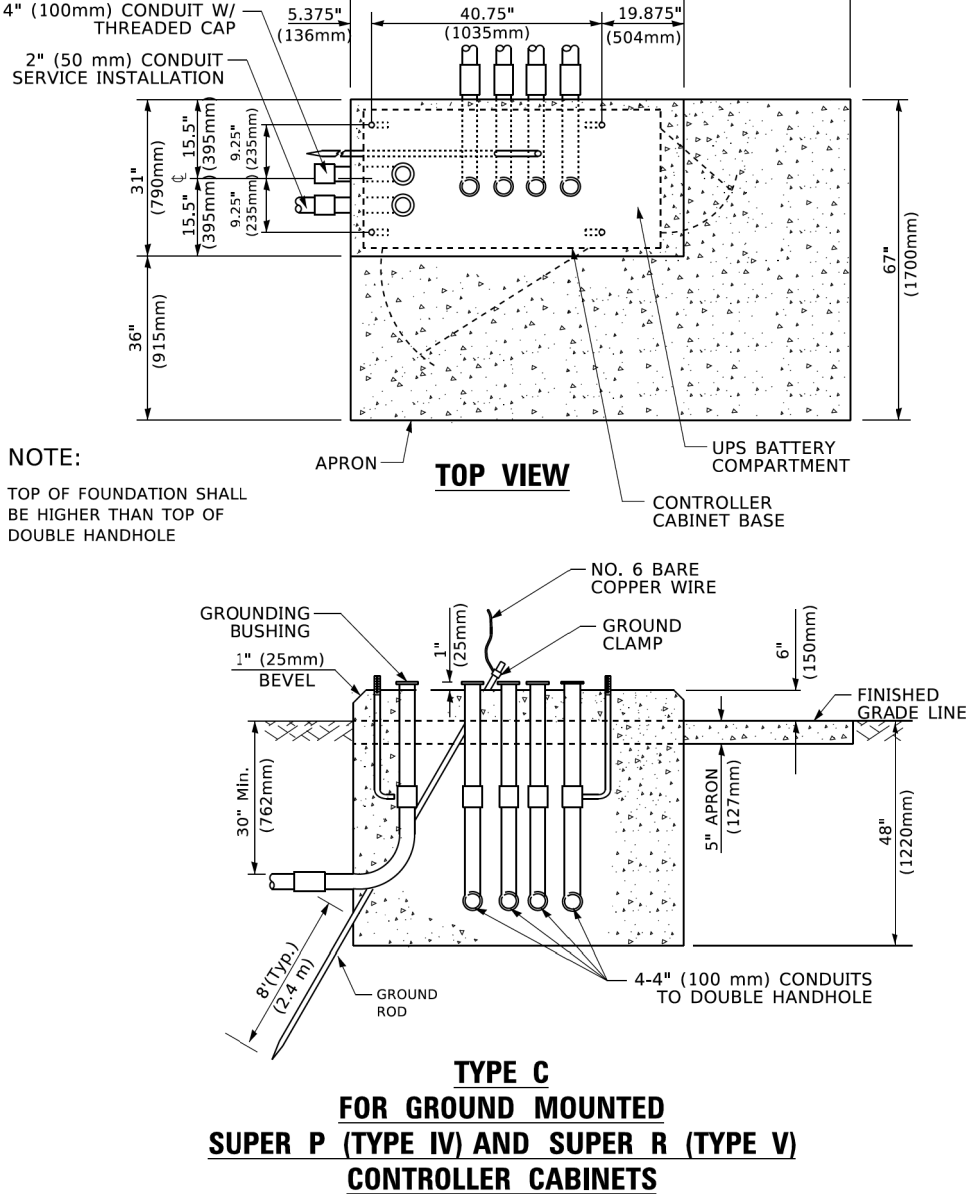
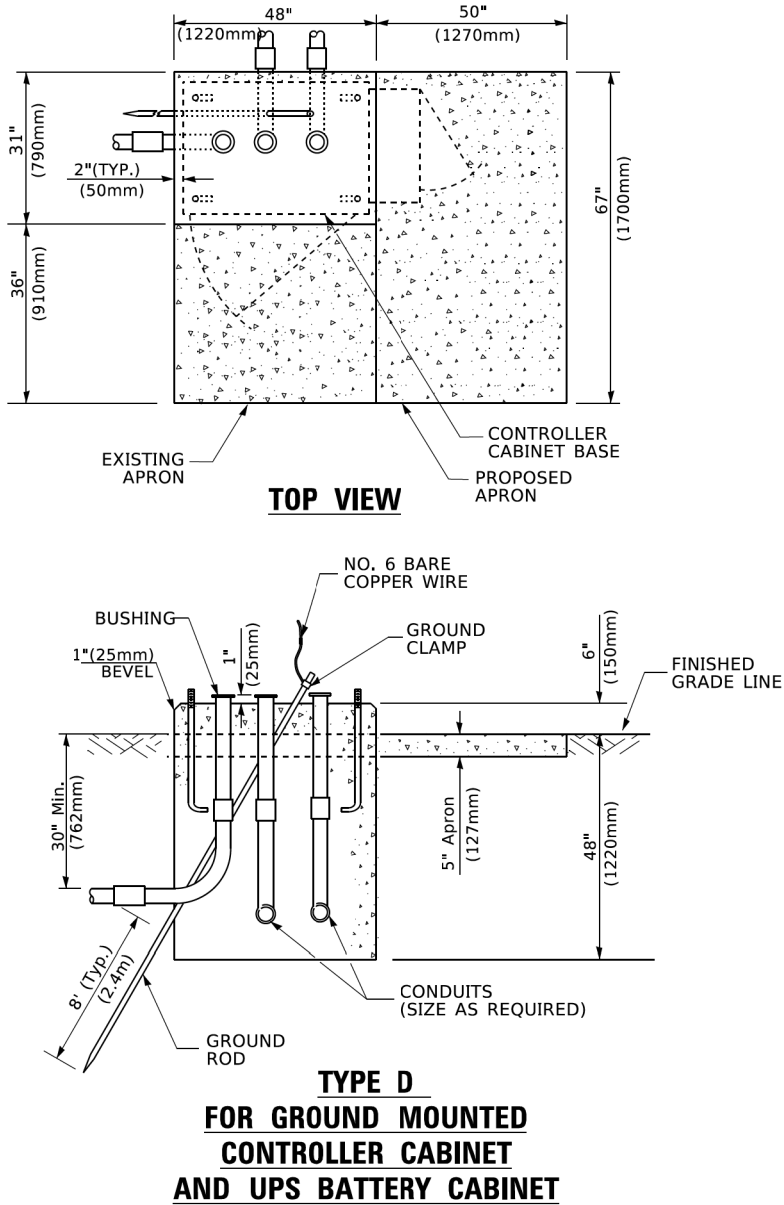


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)



MAST ARM POLE /POST-GROUNDING DETAIL
(NOT TO SCALE)

USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A. RTE. 1034 & 2710	SECTION 19-00035-00-SP	COUNTY COOK	TOTAL SHEETS 101	SHEET NO. 34
	DRAWN -	REVISED -					TS-05 CONTRACT NO.61L21				
PLOT SCALE = 50.0000' = 1 in.	CHECKED -	REVISED -		SCALE: NONE			SHEET 4 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/4/2019	DATE -	REVISED -									



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

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

VERTICAL CABLE LENGTH

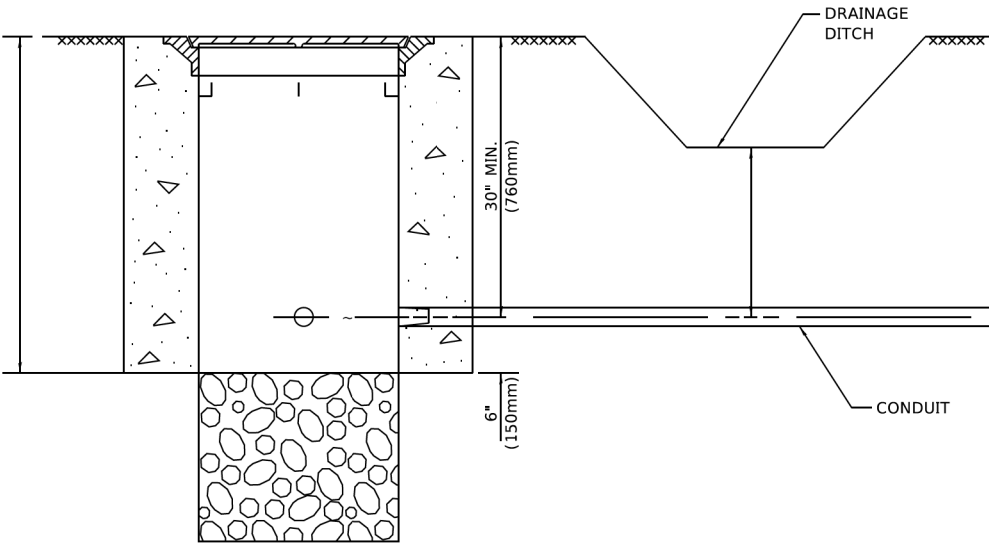
FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

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

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

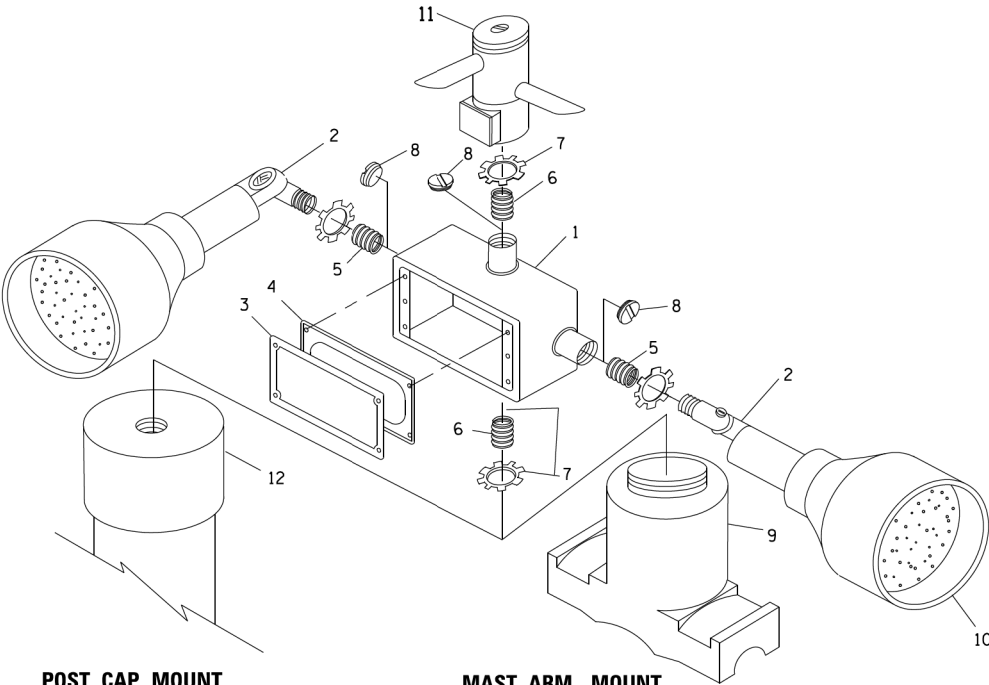
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



NOTES:

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

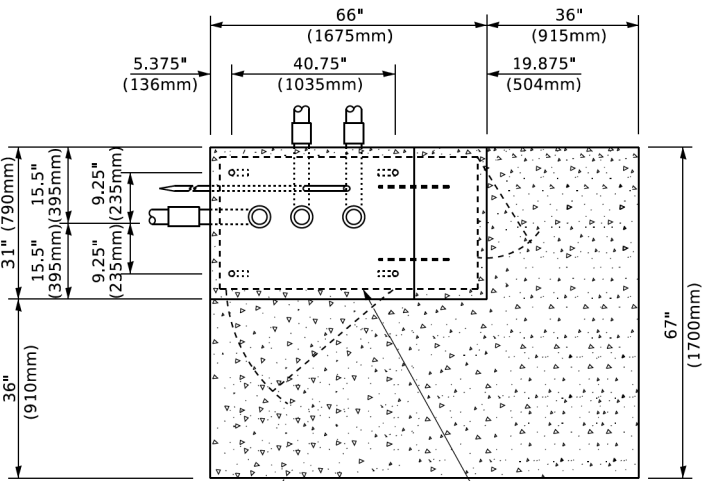
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



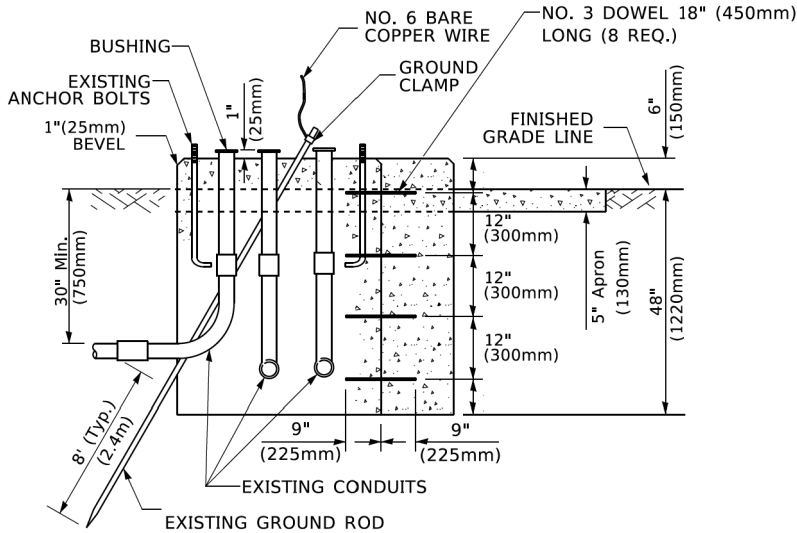
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

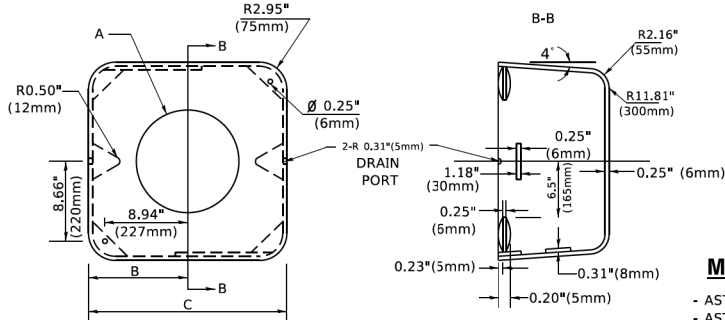


MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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

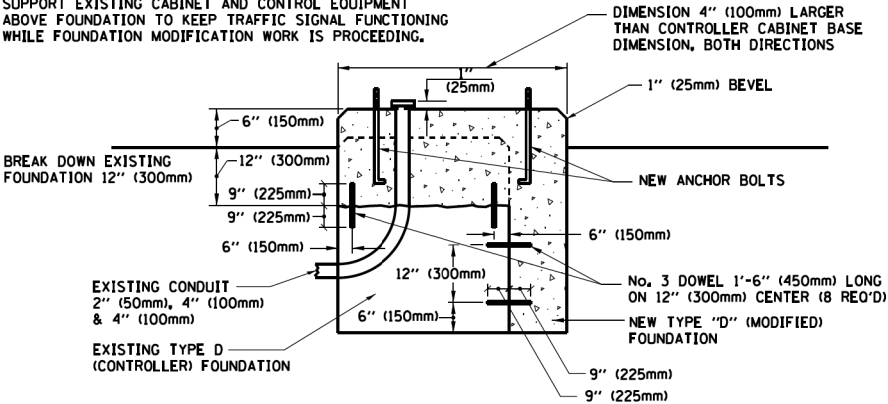
SHROUD

NOTES:

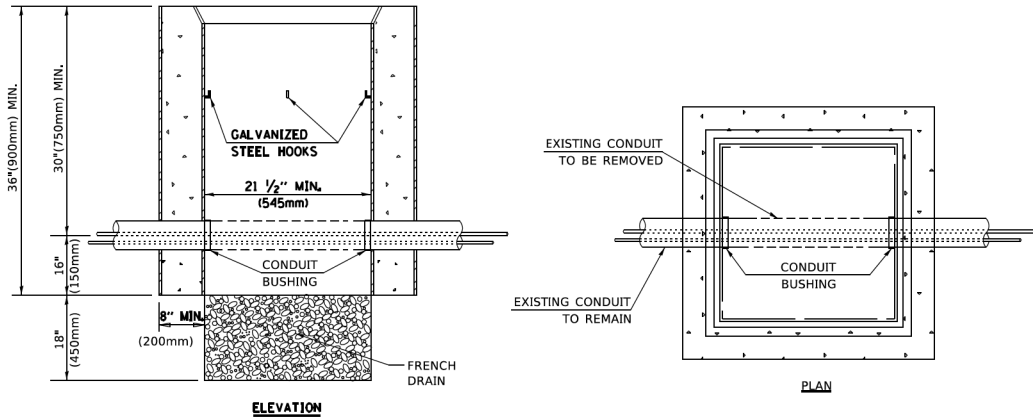
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

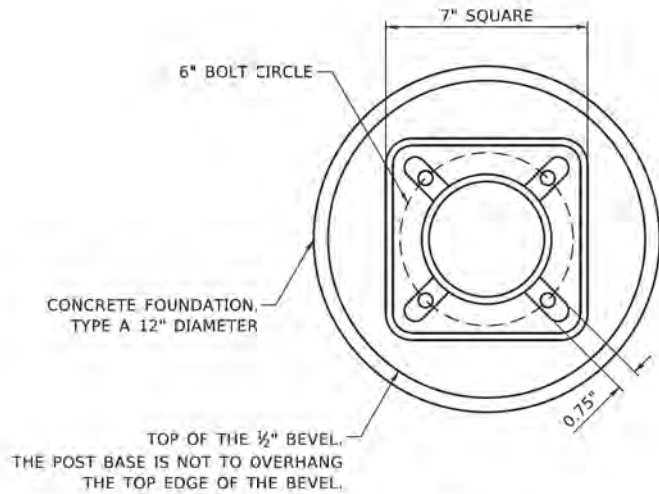
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DRAWN -	REVISED -	REVISED -
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

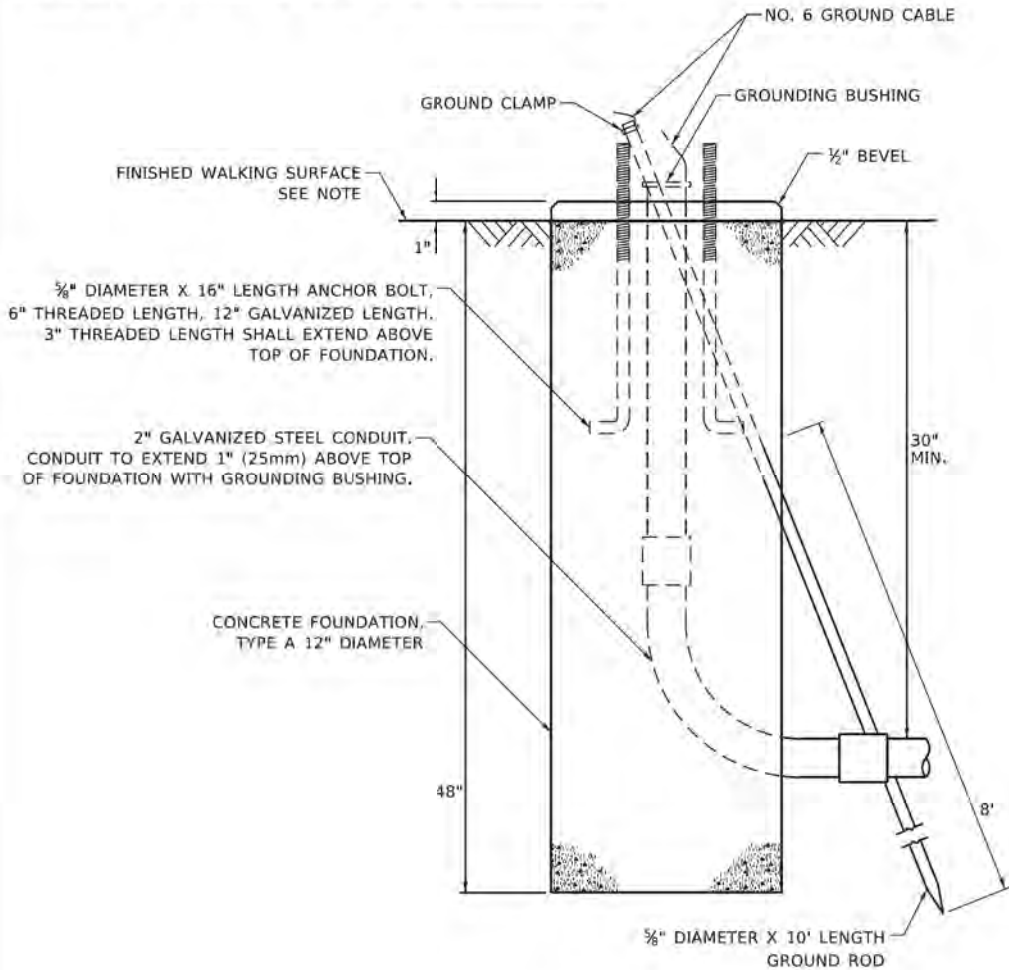
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO.61L21		
		ILLINOIS	FED. AID PROJECT	

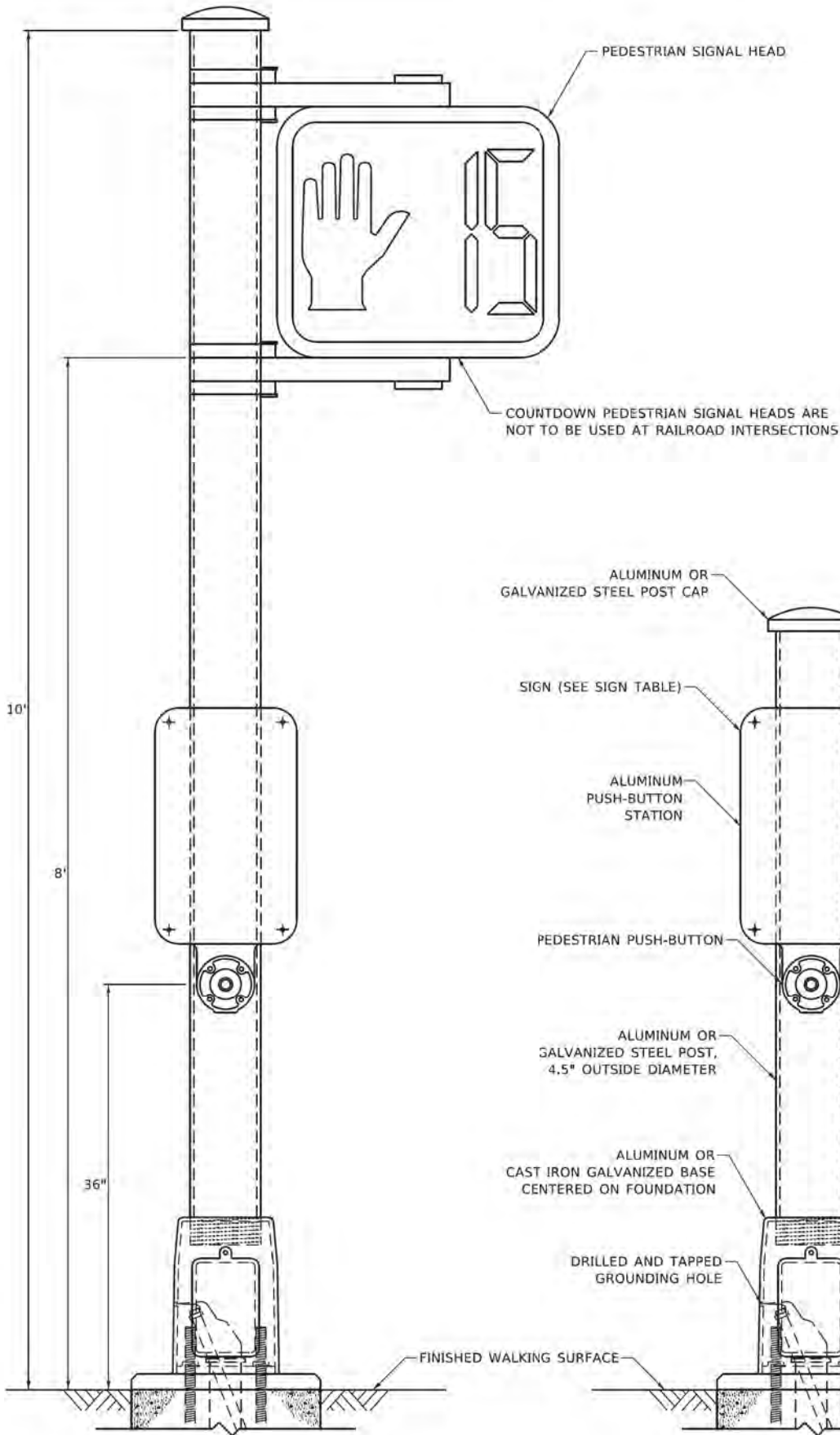


BOLT PATTERN

NOTE:
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



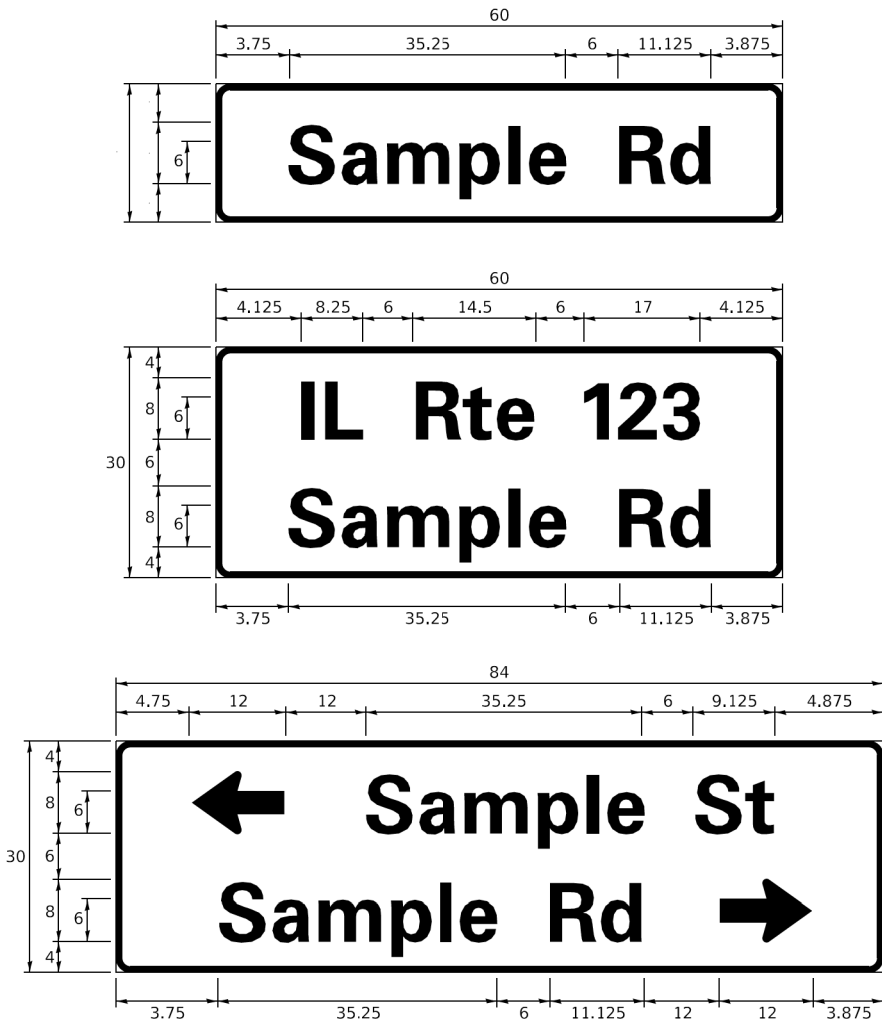
SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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.

PEDESTRIAN SIGNAL POST, 5 FT.

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

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 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-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 TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

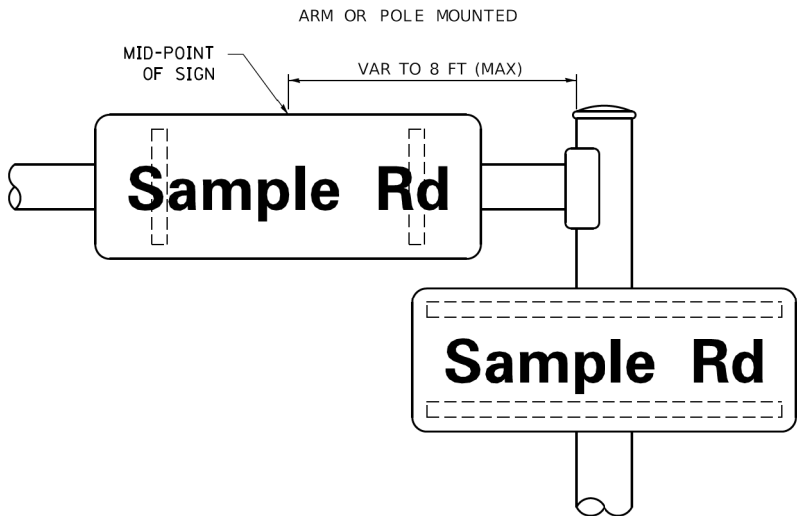
SIGN CHANNEL
SIGN SCREWS

BRACKETS

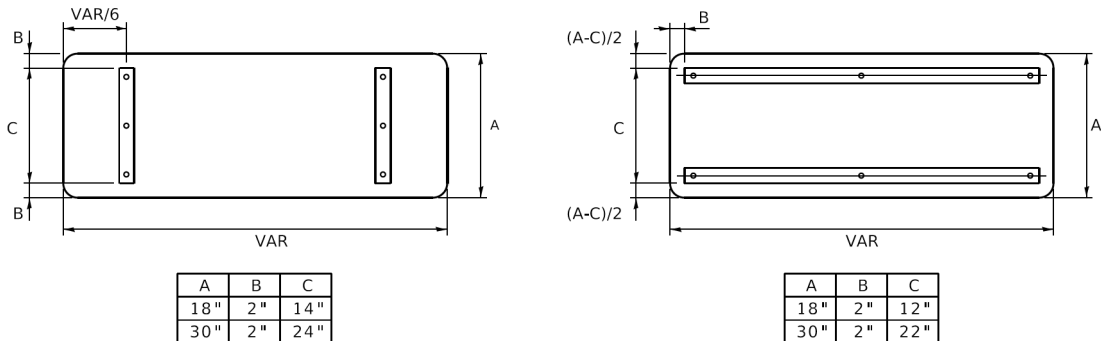
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015
	DRAWN - LP	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

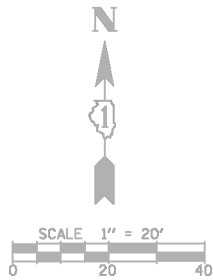
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1034 & 2710	19-00035-00-SP	COOK	101	38
TS-02		CONTRACT NO.61L21		
ILLINOIS		FED. AID PROJECT		

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 IN THE CONTRACT BID PRICE.

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE EXISTING MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.



 HIGH VISIBILITY BACKPLATES 04/17/2024

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9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 9

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN BALMORAL AVENUE AND PEARL AVENUE				F.A.U. RTE. 1034 & 2710	SECTION 19-00035-00-SP	COUNTY COOK	TOTAL SHEETS 101	SHEET NO. 39
N:\ROSEMONT\2004\Traffic\High Visibility Backplate Plans\Hvbp_Balmoral and Pearl.01.DWG	Backplate Plans\Hvbp_Balmoral and Pearl.01.DWG	DRAWN - FPB	REVISED -						CONTRACT NO. 61L21				
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	REVISED -		SCALE: 1" = 40'	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :		
PLOT DATE = 6/20/2025	DATE -	REVISED -	REVISED -										



<u>SCHEDULE OF QUANTITIES</u>		
ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	16
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

 HIGH VISIBILITY BACKPLATES 04/17/2024

CB **CHRISTOPHER B. BURKE** ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE BALMORAL AVENUE AND PEARL AVENUE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\2004\Traffic\High Visibility	Backplate.Plans\Hvbp.Balmoral and Pearl.02.DRAWN	DRAWN - FPB	REVISED -			1034 & 2710	19-00035-00-SP	COOK	101	40
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -			CONTRACT NO. 61L21				
	PLOT DATE = 6/20/2025	DATE -	REVISED -			SCALE: NOT TO SCALE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :	



DATE
BY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.

DATE
BY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.

DATE
BY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.

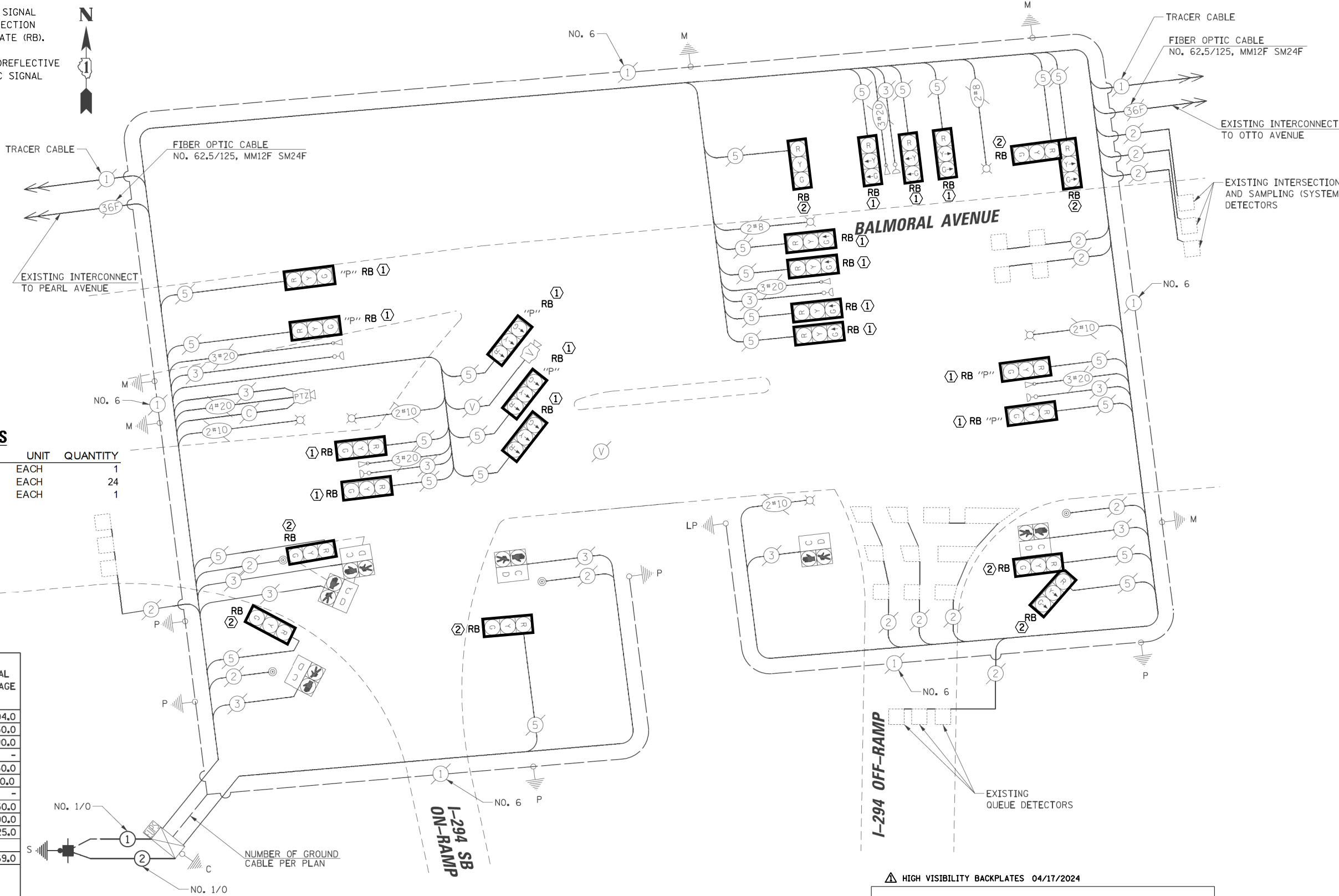
PLAN
NO.

ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 12

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	24
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	24	17	0.50		204.0
(YELLOW)	24	25	0.25		150.0
(GREEN)	24	15	0.25		90.0
ARROW	-	12	0.10		-
PED. SIGNAL	6	25	1.00		150.0
CONTROLLER	1	100	1.00		100.0
ILLUMINATED SIGN	-	25	0.05		-
VIDEO SYSTEM	1	150	1.00		150.0
LUMINAIRE	6	400	0.50		1200.0
BATTERY BACKUP	1	25	1.00		25.0
FLASHER	-	-	0.50		-
ENERGY COSTS TO:					TOTAL = 2069.0



VILLAGE OF ROSEMONT

9501 West Devon Avenue
Rosemont, Illinois 60018

ENERGY SUPPLY: CONTACT: LINDA KLOC
PHONE: (708) 410-5313
COMPANY: COMED

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -
N:\ROSEMONT\20004\Traffic\High Visibility Backplate\Plans\Hvbp\Balmoral and I294.02		DRAWN - FPB	REVISED -
		CHECKED - EAJ	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN
BALMORAL AVENUE AND I-294 NB-SB RAMP

SCALE: NOT TO SCALE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1034 & 2710	19-00035-00-SP	COOK	101	42
CONTRACT NO. 61L21				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :				

HIGH VISIBILITY BACKPLATES 04/17/2024



CHRISTOPHER B. BURKE ENGINEERING LTD.

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Rosemont, Illinois 60018
(847) 823-0500

PROFILE SURVEYED _____ PLOTTED _____ GRADES CHECKED _____ S.W. NOTED _____ STRUCTURE NOTATIONS OK/NO		BY _____ DATE _____
NOTE BOOK NO. _____		PLAN ALIGNMENT _____ RT. OF WAY CHECKED _____ CAD FILE NAME _____
CHRISTOPHER B. BURKE 9575 West Highway Road, Suite 600 Rosemont, Illinois 60018 (847) 823-4500		
ENGINEERING LTD.		

[illegible]

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3 or 4 IS TERMINATED.

TS SHT NO. 13

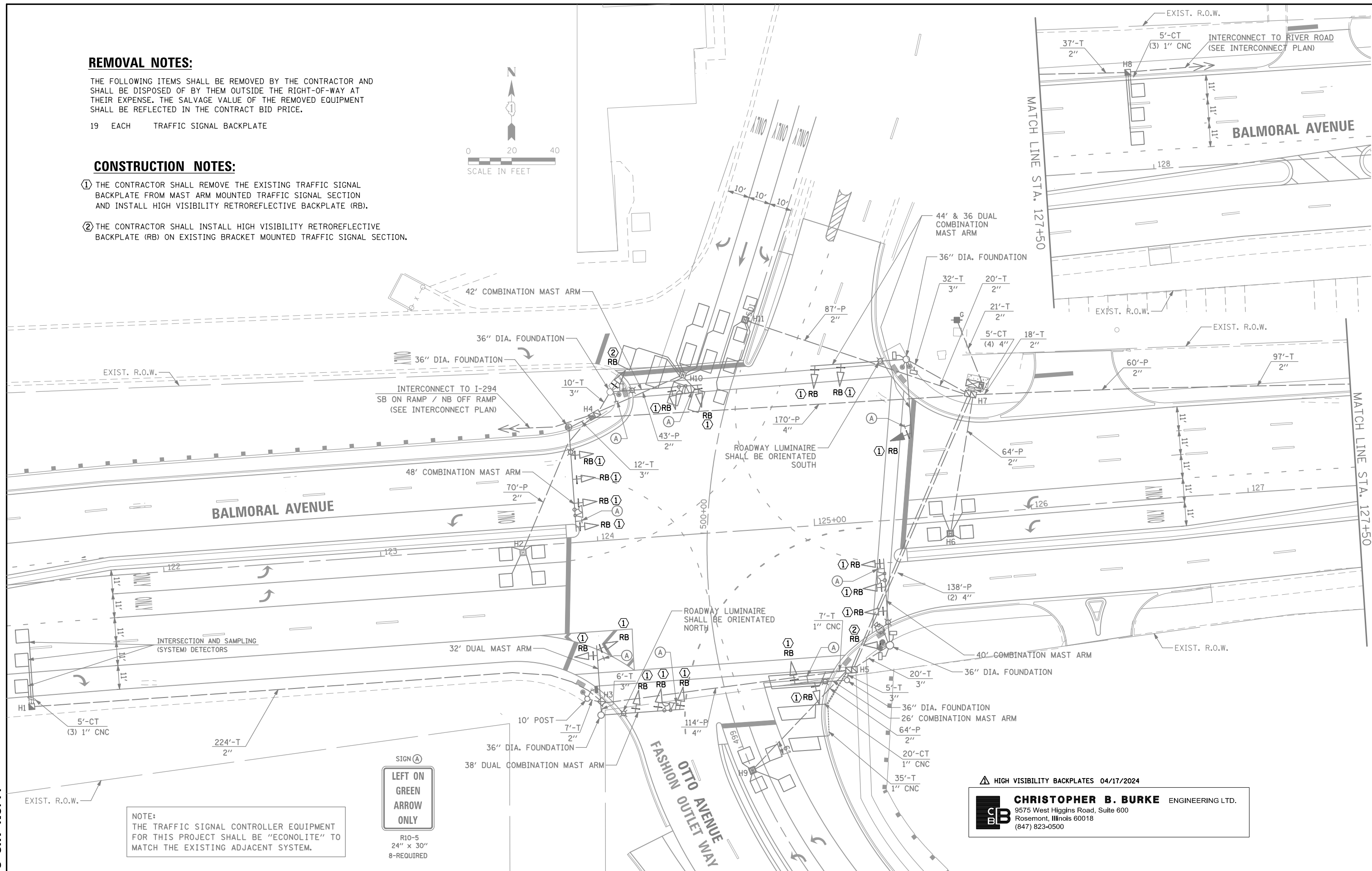
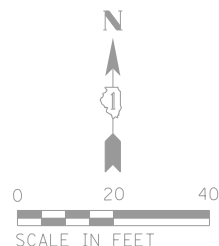
[illegible]

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEQUENCE OF OPERATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION BALMORAL AVENUE AND I-294 NB-SB RAMP	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROSEMONT\200404\Traffic\High Visibility	Backplate.Plans\Hvbp.Balmoral and I294.03	SDRAWN - FPB	REVISED -			1034 & 2710	19-00035-00-SP	COOK	101	43	
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -			CONTRACT NO. 61L21					
	PLOT DATE = 6/20/2025	DATE -	REVISED -								
				SCALE: NOT TO SCALE SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :			

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 IN THE CONTRACT BID PRICE.

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.

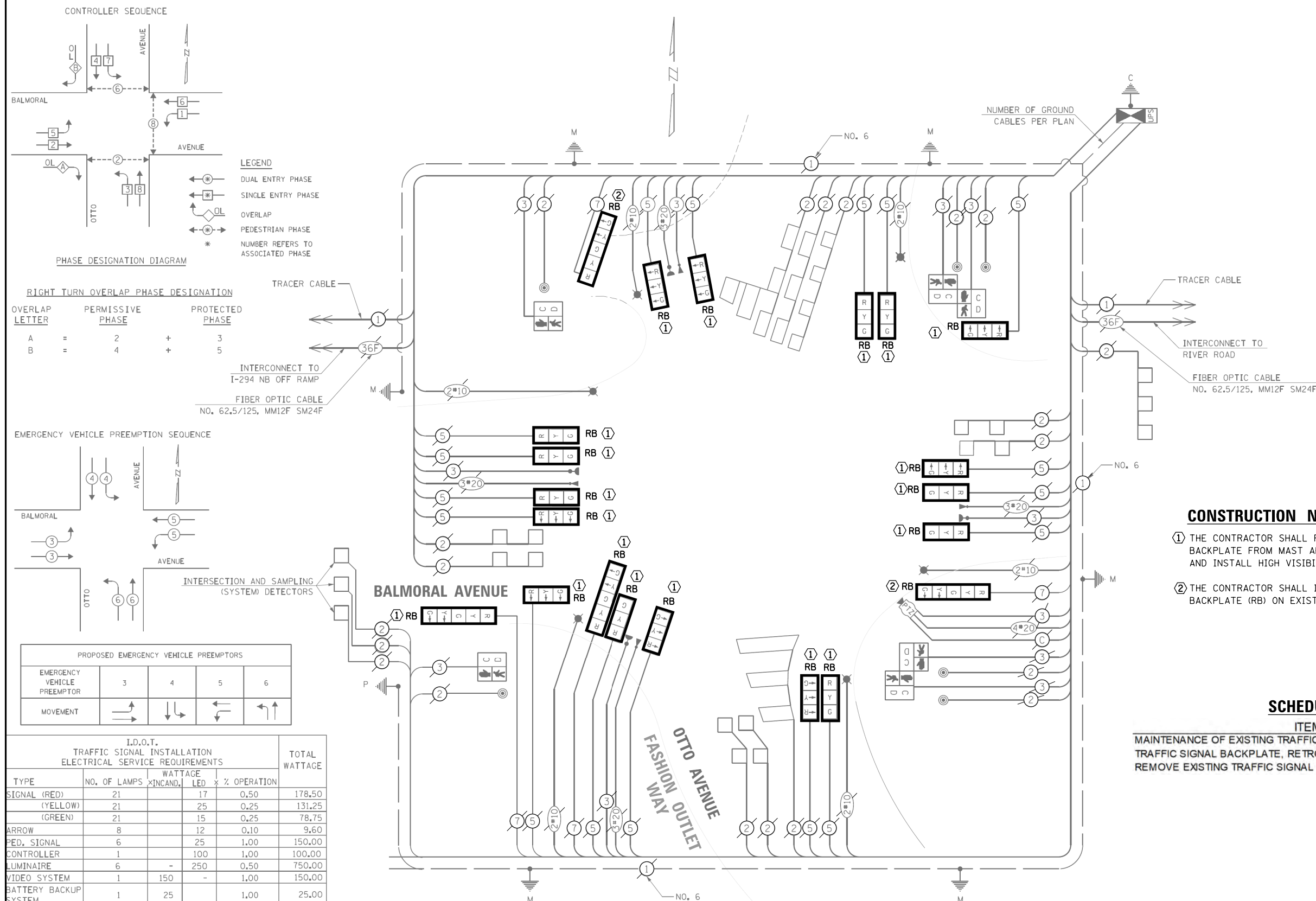


1 HIGH VISIBILITY BACKPLATES 04/17/2024

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO.14

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROSEMONT\2004\Traffic\High Visibility	Backplate_Plans\Hvbp_Balmoral and Fashion Outlet Way	DRAWN - FPB	REVISED -		BALMORAL AVENUE AND OTTO AVENUE / FASHION OUTLET WAY				1034 & 2710	19-00035-00-SP	COOK	101	44
	PLOT SCALE = 48'	CHECKED - EAJ	REVISED -						CONTRACT NO. 61L21				
	PLOT DATE = 6/20/2025	DATE -	REVISED -		SCALE: 1" = 40'				SHEET NO.	OF	SHEETS	STA.	TO STA.
									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :				



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	21
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

 HIGH VISIBILITY BACKPLATES 04/17/2024



CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME =	USER NAME = bgunnells	DESIGNED - BG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND CABLE PLAN BALMORAL AVENUE AND OTTO AVENUE / FASHION OUTLET WAY				F.A.U. RTE. 1034 & 2710	SECTION 19-00035-00-SP	COUNTY COOK	TOTAL SHEETS 101	SHEET NO. 45
N:\ROSEMONT\20004\Traffic\High Visibility	Backplate_Plans\Hvbp_Balmoral and Fashion	02/21/2025	02/21/2025		SCALE: NOT TO SCALE	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :		
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -								CONTRACT NO. 61L21		
	PLOT DATE = 6/20/2025	DATE -	REVISED -										

 CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500		BY	DATE
PROFILE	SUBMITTED	PLAN	SUBMITTED
	PLOTTED		PLOTTED
	GRADES CHECKED	NOTE BOOK	ALIGNMENT CHECKED
	B.M. NOTED		RT. OF WAY CHECKED
	STRUCTURE NOTATIONS CHKD	No. _____	CADD FILE NAME _____

TS SHT NO. 16

REMOVAL AND RELOCATION NOTES:

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 IN THE CONTRACT BID PRICE.

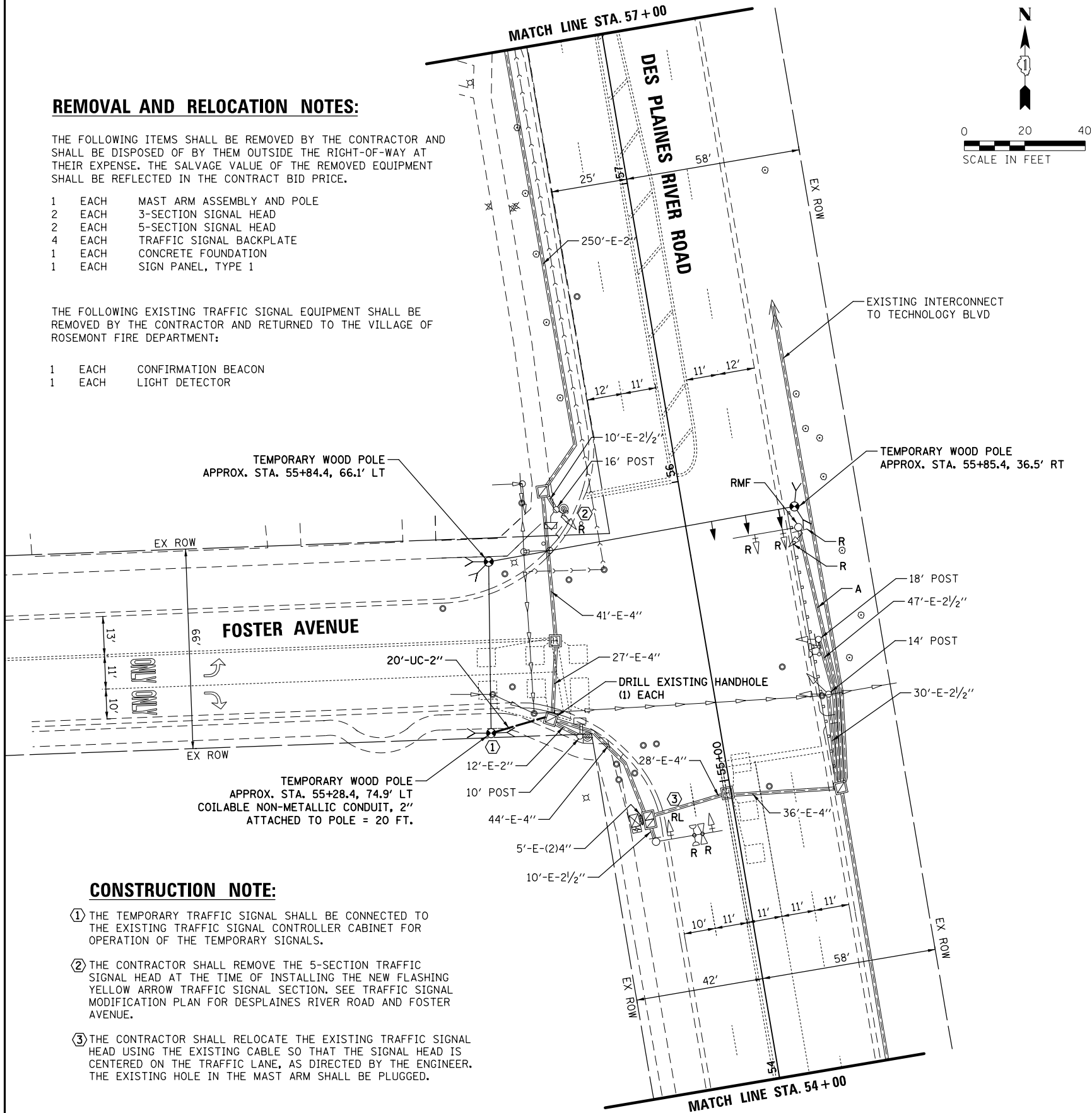
- | | | |
|---|------|----------------------------|
| 1 | EACH | MAST ARM ASSEMBLY AND POLE |
| 2 | EACH | 3-SECTION SIGNAL HEAD |
| 2 | EACH | 5-SECTION SIGNAL HEAD |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 1 | EACH | CONCRETE FOUNDATION |
| 1 | EACH | SIGN PANEL, TYPE 1 |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE OF ROSEMONT FIRE DEPARTMENT:

- ```

1 EACH CONFIRMATION BEACON
1 EACH LIGHT DETECTOR

```

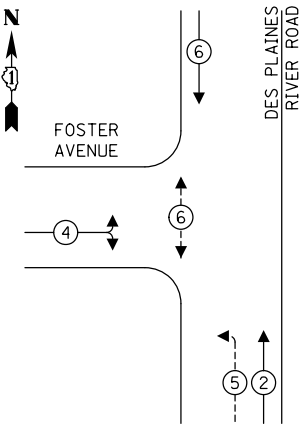


**CONSTRUCTION NOTE:**

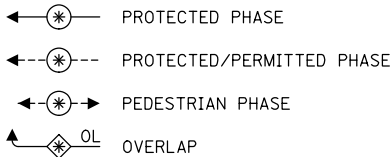
- ① THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.
- ② THE CONTRACTOR SHALL REMOVE THE 5-SECTION TRAFFIC SIGNAL HEAD AT THE TIME OF INSTALLING THE NEW FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION. SEE TRAFFIC SIGNAL MODIFICATION PLAN FOR DESPLAINES RIVER ROAD AND FOSTER AVENUE.
- ③ THE CONTRACTOR SHALL RELOCATE THE EXISTING TRAFFIC SIGNAL HEAD USING THE EXISTING CABLE SO THAT THE SIGNAL HEAD IS CENTERED ON THE TRAFFIC LANE, AS DIRECTED BY THE ENGINEER. THE EXISTING HOLE IN THE MAST ARM SHALL BE PLUGGED.

|                                         |                                         |               |           |                                                               |                                                                                                                                                      |           |    |        |                |                |                       |                 |                    |
|-----------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|--------|----------------|----------------|-----------------------|-----------------|--------------------|
| FILE NAME =                             | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL<br/>AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN<br/>DES PLAINES RIVER ROAD AND FOSTER AVENUE</div> |           |    |        | F.A.U.<br>RTE. | SECTION        | COUNTY                | TOTAL<br>SHEETS | SHEET<br>NO.       |
| N:\ROSEMONT\20004\Traffic\High Visibilt | Backplate.Plans\RIVER-Foster-01.TMP.dgn | DRAWN - FPB   | REVISED - |                                                               |                                                                                                                                                      |           |    |        | 1034 &<br>2710 | 19-00035-00-SP | COOK                  | 101             | 46                 |
|                                         | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                               | CONTRACT NO. 61L21                                                                                                                                   |           |    |        |                |                |                       |                 |                    |
|                                         | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                               | SCALE: 1" = 40'                                                                                                                                      | SHEET NO. | OF | SHEETS | STA.           | TO STA.        | FED. ROAD DIST. NO. 1 | ILLINOIS        | FED. AID PROJECT : |

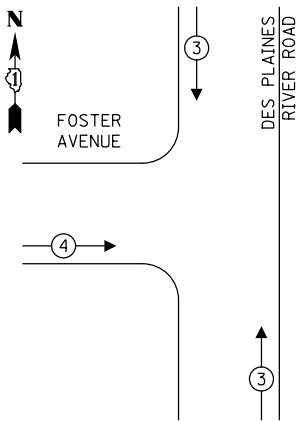
## TEMPORARY CONTROLLER SEQUENCE



**LEGEND:**



## EMERGENCY VEHICLE PREEMPTION SEQUENCE



| PROPOSED EMERGENCY VEHICLE PREEMPTORS |                                                                                   |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| EMERGENCY VEHICLE PREEMPTOR           | 3                                                                                 | 4                                                                                 |
| MOVEMENT                              |  |  |

## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 9            | 11          | 50          | 99.0          |
| (YELLOW)          | 9            | 20          | 5           | 9.0           |
| (GREEN)           | 9            | 12          | 45          | 48.6          |
| SOLID ARROW (RED) | -            | 10          | 50          | -             |
| (GREEN & YELLOW)  | 6            | 10          | 10          | 6.0           |
| FLASHING ARROW    | -            | 10          | 5           | -             |
| PED. SIGNAL       | 2            | 20          | 100         | 40.0          |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM      | -            | 150         | 100         | -             |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | -            | 165         | 50          | -             |
| PTZ               | -            | 60          | 100         | -             |
|                   |              |             | TOTAL =     | 327.6         |

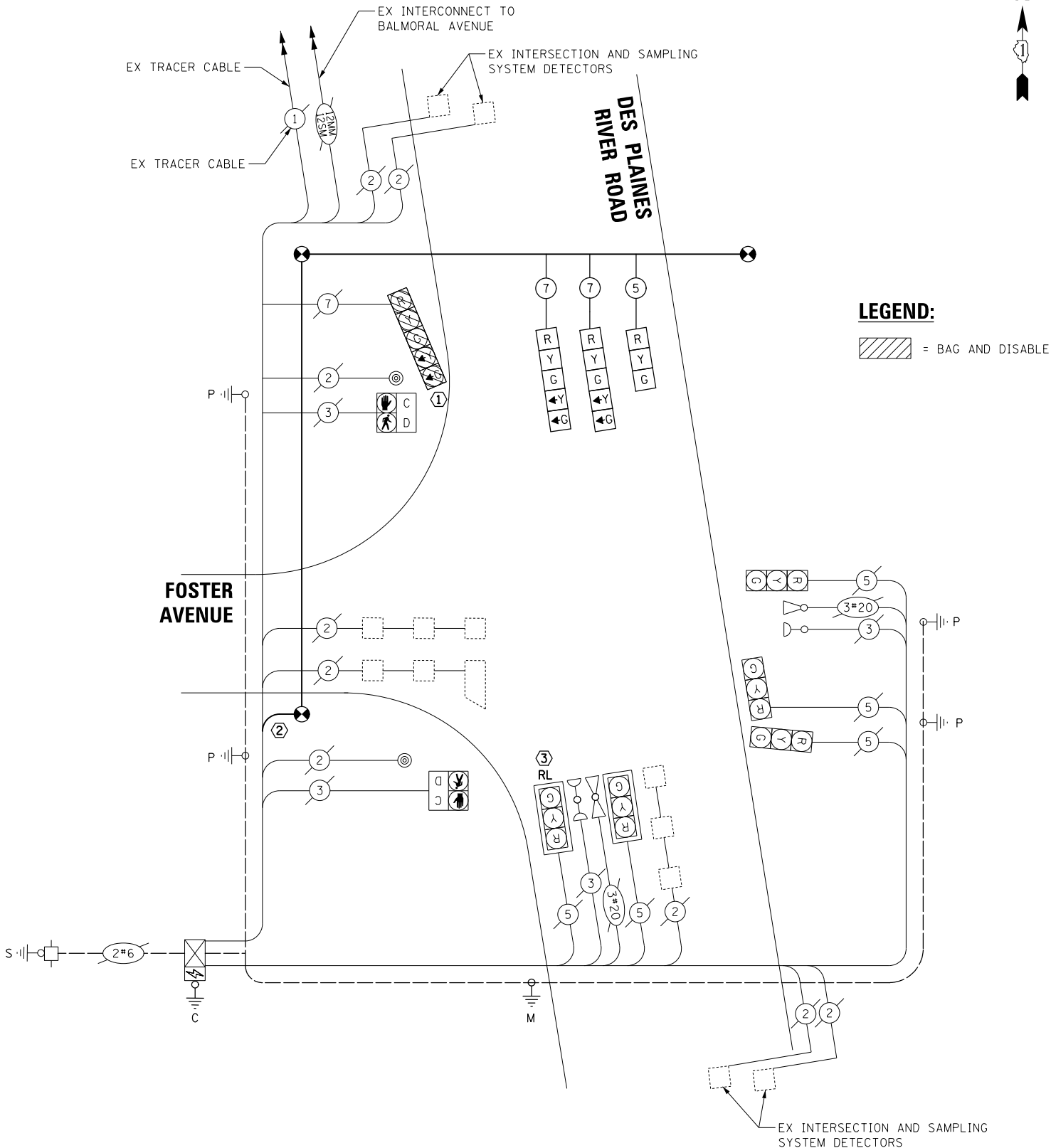
ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVENUE  
ROSEMONT, ILLINOIS 60018

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

### CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE 5-SECTION TRAFFIC SIGNAL HEAD WHILE THE TEMPORARY TRAFFIC SIGNAL IS OPERATIONAL UNTIL THE SIGNAL HEAD IS REMOVED.
- ② THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.
- ③ THE CONTRACTOR SHALL RELOCATE THE EXISTING TRAFFIC SIGNAL HEAD USING THE EXISTING CABLE SO THAT THE SIGNAL HEAD IS CENTERED ON THE TRAFFIC LANE, AS DIRECTED BY THE ENGINEER. THE EXISTING HOLE IN THE MAST ARM SHALL BE PLUGGED.



## TEMPORARY CABLE PLAN

(NOT TO SCALE)

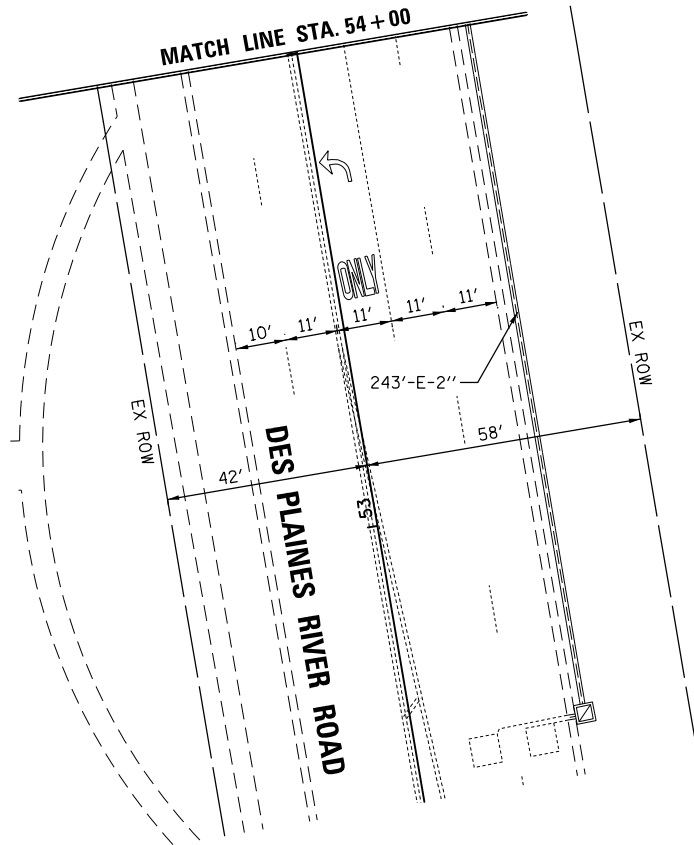
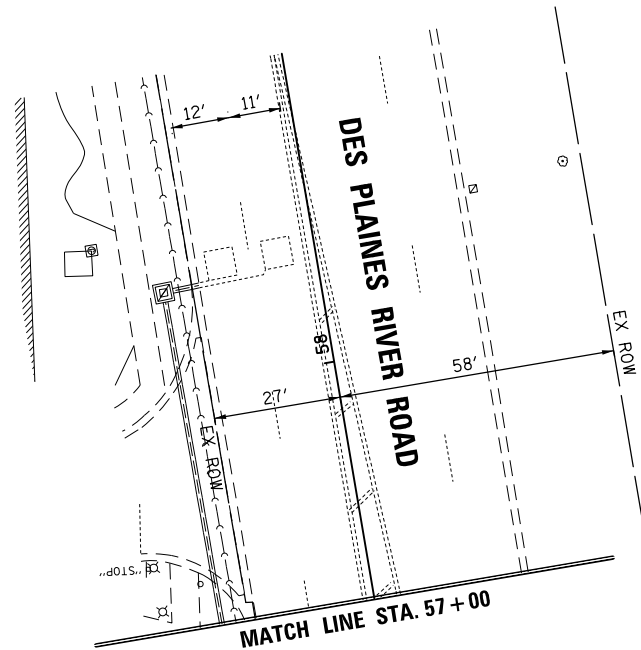
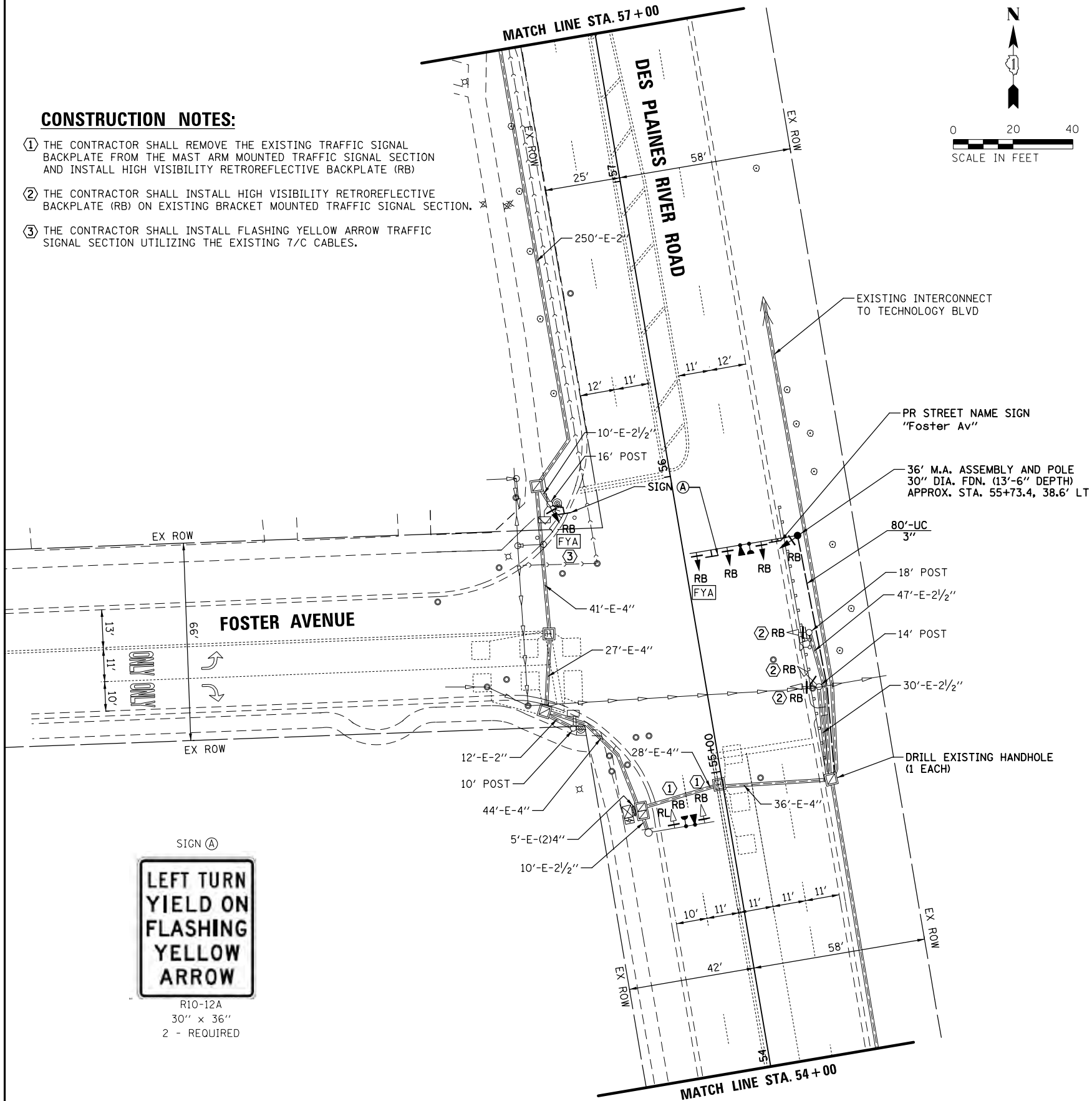
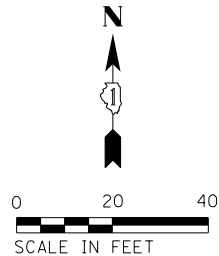
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|-----------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|--------------|-----------------------|--------------|
| FILE NAME =                             | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION<br>DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE<br>DES PLAINES RIVER ROAD AND FOSTER AVENUE | F.A.U.<br>RTE.      | SECTION             | COUNTY       | TOTAL<br>SHEETS       | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibilt | Backplate.Plans\RIVER-Foster-02.TCB.dgn | DRAWN - FPB   | REVISED - |                                                   |                                                                                                                                                    | 1034 &<br>2710      | 19-00035-00-SP      | COOK         | 101                   | 47           |
| PLOT SCALE = 40'                        | CHECKED - EAJ                           | REVISED -     | REVISED - |                                                   |                                                                                                                                                    | CONTRACT NO. 61L21  |                     |              |                       |              |
| PLOT DATE = 6/20/2025                   | DATE -                                  | REVISED -     | REVISED - |                                                   |                                                                                                                                                    | SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS     |

|                                                                                                                                                                                                  |                          |           |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|----------------------|
|  <b>CHRISTOPHER B. BURKE</b><br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 823-0500 |                          | BY        | DATE                 |
| PROFILE                                                                                                                                                                                          | SUBMITTED                | PLAN      | SUBMITTED            |
|                                                                                                                                                                                                  | PLOTTED                  |           | PLOTTED              |
|                                                                                                                                                                                                  | GRADES CHECKED           | NOTE BOOK | ALIGNMENT CHECKED    |
|                                                                                                                                                                                                  | B.M. NOTED               |           | RT. OF WAY CHECKED   |
|                                                                                                                                                                                                  | STRUCTURE NOTATIONS CHKD | No. _____ | CADD FILE NAME _____ |

TS SHT NO. 18

### CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB)
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.
- ③ THE CONTRACTOR SHALL INSTALL FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION UTILIZING THE EXISTING T/C CABLES.



|                                          |                                         |               |           |
|------------------------------------------|-----------------------------------------|---------------|-----------|
| FILE NAME =                              | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - |
| N:\ROSEMONT\2004\Traffic\High Visibility | Backplate.Plans\RIVER-Foster_03.MOD.dgn | DRAWN - FPB   | REVISED - |
|                                          | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |
|                                          | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |

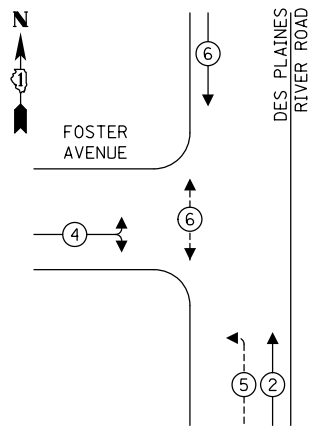
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| TRAFFIC SIGNAL MODIFICATION PLAN<br>DES PLAINES RIVER ROAD AND FOSTER AVENUE |           |    |        |              |
|------------------------------------------------------------------------------|-----------|----|--------|--------------|
| SCALE: 1" = 40'                                                              | SHEET NO. | OF | SHEETS | STA. TO STA. |

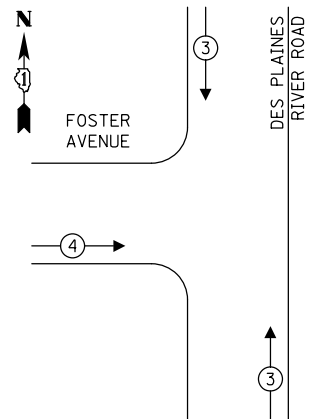
|                       |                |                    |                 |              |
|-----------------------|----------------|--------------------|-----------------|--------------|
| F.A.U.<br>RTE.        | SECTION        | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1034 &<br>2710        | 19-00035-00-SP | COOK               | 101             | 48           |
|                       |                | CONTRACT NO. 61L21 |                 |              |
| FED. ROAD DIST. NO. 1 | ILLINOIS       | FED. AID PROJECT : |                 |              |



## EXISTING CONTROLLER SEQUENCE



## EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 8            | 11          | 50          | 44.0          |
| (YELLOW)          | 8            | 20          | 5           | 8.0           |
| (GREEN)           | 8            | 12          | 45          | 43.2          |
| SOLID ARROW (RED) | 2            | 10          | 50          | 10.0          |
| (GREEN & YELLOW)  | 4            | 10          | 10          | 4.0           |
| FLASHING ARROW    | 2            | 10          | 5           | 1.0           |
| PED. SIGNAL       | 2            | 20          | 100         | 40.0          |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM      | -            | 150         | 100         | -             |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | -            | 165         | 50          | -             |
| PTZ               | -            | 60          | 100         | -             |
|                   |              |             | TOTAL =     | 275.2         |

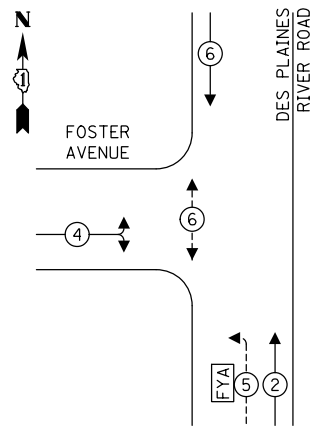
ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVENUE  
ROSEMONT, ILLINOIS 60018

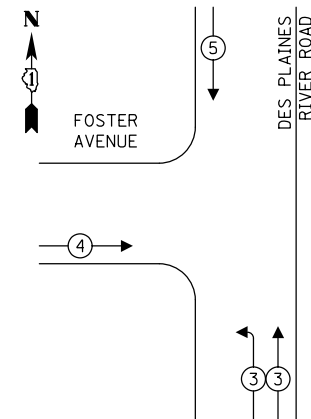
ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

ACCOUNT NUMBER: -

## PROPOSED CONTROLLER SEQUENCE

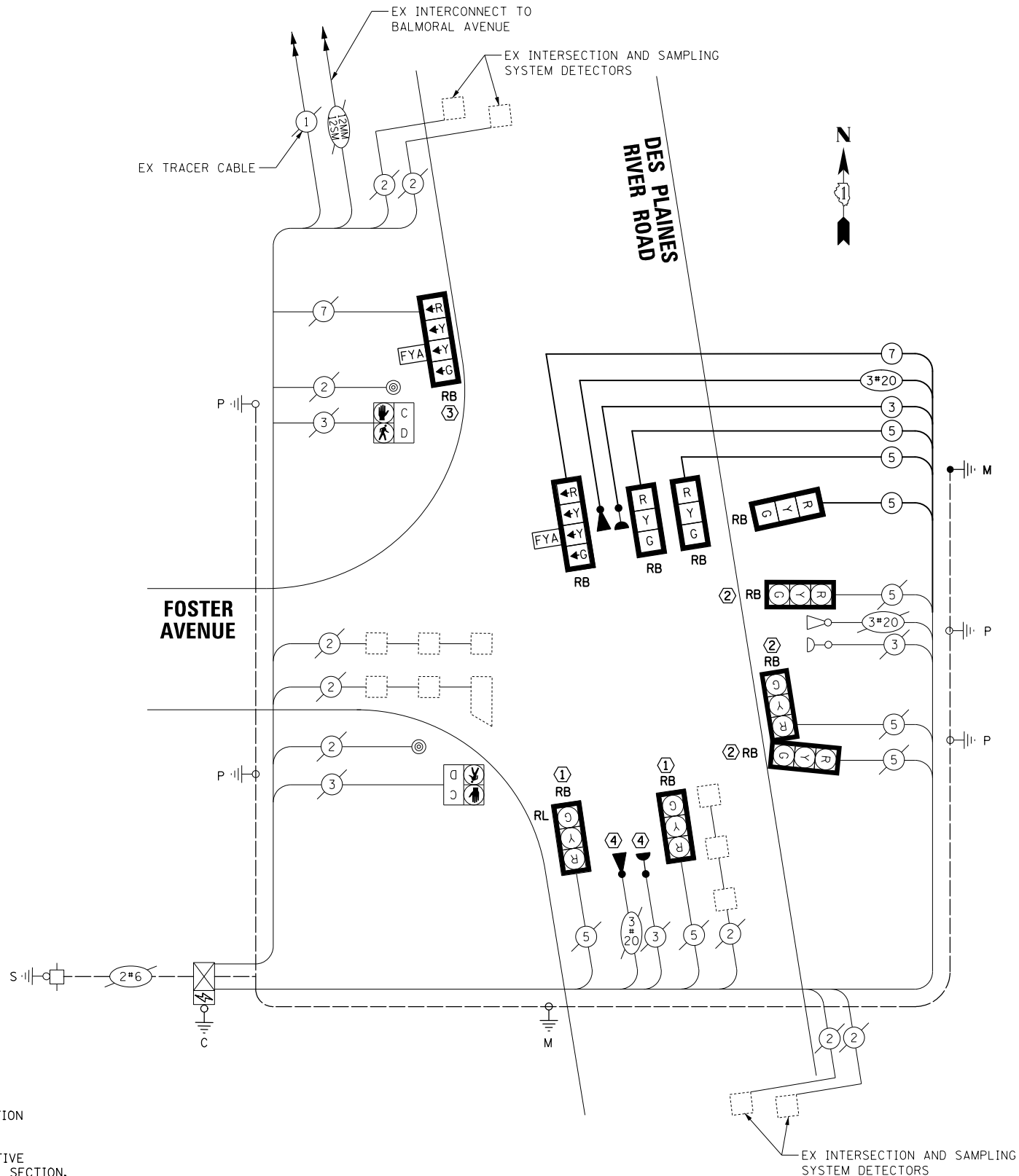


## PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



### CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB)
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.
- ③ THE CONTRACTOR SHALL INSTALL FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION UTILIZING THE EXISTING T/C CABLES.
- ④ THE CONTRACTOR SHALL INSTALL THE PROPOSED CONFIRMATION BEACON AND LIGHT DETECTOR UTILIZING THE EXISTING CABLES.



**CABLE PLAN**  
(NOT TO SCALE)

|                                           |                                         |               |           |                                                               |                                                                                                                                              |                                  |                           |                |                        |                    |         |                       |          |                    |
|-------------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------|----------------|------------------------|--------------------|---------|-----------------------|----------|--------------------|
| FILE NAME =                               | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND<br/>EMERGENCY VEHICLE PREEMPTION SEQUENCE<br/>DES PLAINES RIVER ROAD AND FOSTER AVENUE</div> | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>49 |         |                       |          |                    |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-Foster_04.CAB.dgn | DRAWN - FPB   | REVISED - |                                                               |                                                                                                                                              | SCALE: NOT TO SCALE              |                           | SHEET NO. OF   | SHEETS                 | STA.               | TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |
|                                           | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                               |                                                                                                                                              |                                  |                           |                |                        |                    |         | CONTRACT NO. 61L21    |          |                    |
|                                           | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                               |                                                                                                                                              |                                  |                           |                |                        |                    |         |                       |          |                    |

PROFILE

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

PLAN

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

CHRISTOPHER B. BURKE

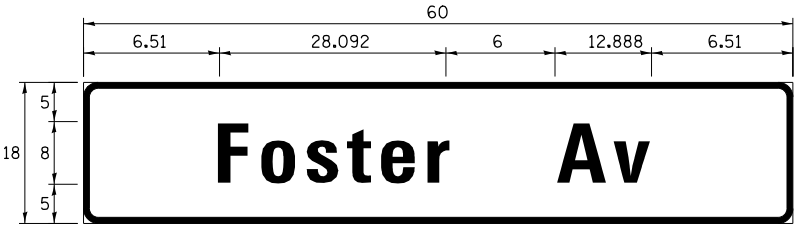
ENGINEERING LTD.

9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 933-0500

TS SHT NO. 20

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 7.5          | 1               | ZZ            | 1             |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGNS DETAIL.

SCHEDULE OF QUANTITIES

| ITEM                                                               | UNIT  | QUANTITY |
|--------------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                                | SQ FT | 23       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                     | FOOT  | 80       |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                        | FOOT  | 237      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                        | FOOT  | 640      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                        | FOOT  | 240      |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT  | 93       |
| STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.                           | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                       | FOOT  | 14       |
| DRILL EXISTING HANDHOLE                                            | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED              | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED               | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED               | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED              | EACH  | 1        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                          | EACH  | 10       |
| LIGHT DETECTOR                                                     | EACH  | 2        |
| LIGHT DETECTOR AMPLIFIER                                           | EACH  | 1        |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT                         | EACH  | 1        |
| MODIFY EXISTING CONTROLLER CABINET                                 | EACH  | 1        |
| REMOVE ELECTRIC CABLE FROM CONDUIT                                 | FOOT  | 899      |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                           | EACH  | 1        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C    | FOOT  | 237      |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET                       | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)                    | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL TIMING                                    | EACH  | 1        |

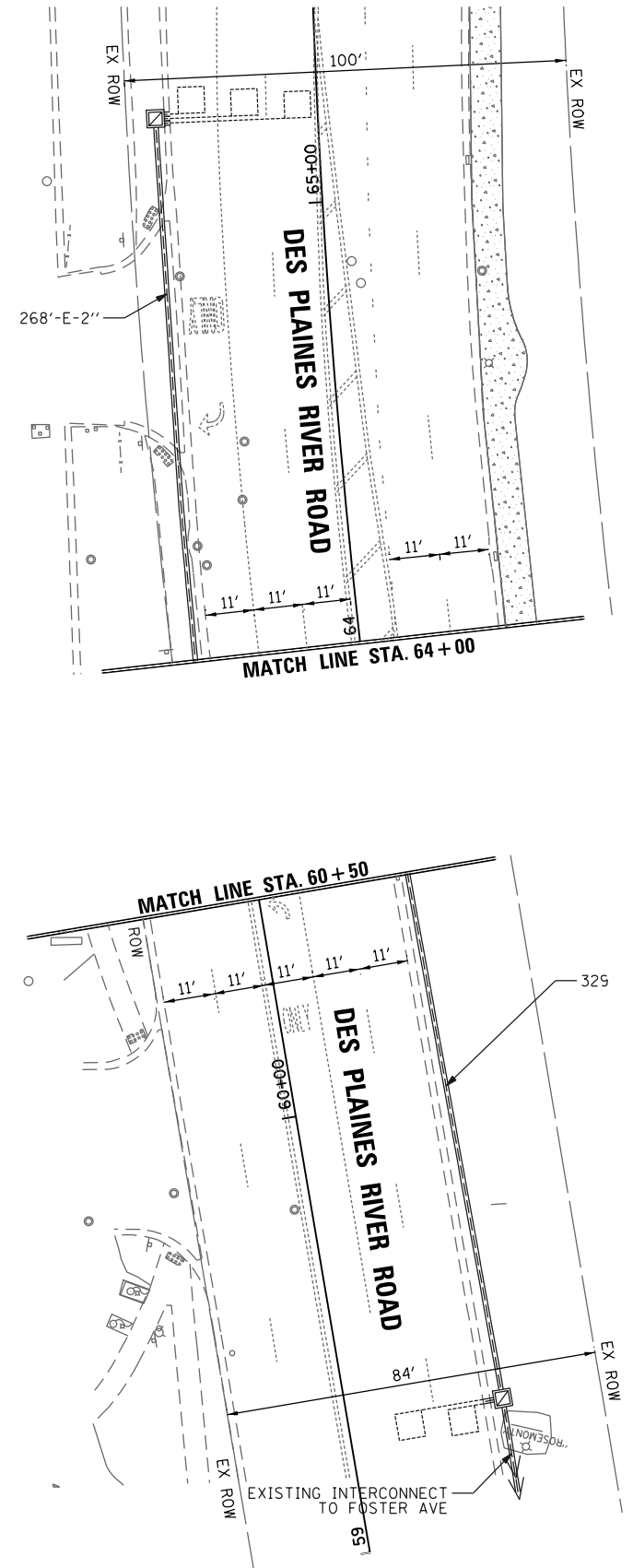
|                                                                                                                                                     |  |                                                                                                                |  |                                            |  |                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>PROFILE</b><br>SURVEYED _____ BY _____ DATE _____<br>PLOTTED _____<br>GRADES CHECKED _____<br>S.W. NOTED _____<br>STRUCTURE NOTATIONS CHRD _____ |  | <b>CHRISTOPHER B. BURKE</b><br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 823-5600 |  | PLAN _____<br>NOTE BOOK _____<br>NO. _____ |  | SURVEYED _____ BY _____ DATE _____<br>PLOTTED _____<br>ALIGNMENT CHECKED _____<br>P.T. OF LAST CHECKED _____<br>CAD FILE NAME _____ |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|

|   |      |                                        |
|---|------|----------------------------------------|
| 1 | EACH | COMBINATION MAST ARM ASSEMBLY AND POLE |
| 2 | EACH | 3-SECTION SIGNAL HEAD                  |
| 3 | EACH | 5-SECTION SIGNAL HEAD                  |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE               |
| 1 | EACH | LUMINAIRE                              |
| 1 | EACH | CONCRETE FOUNDATION                    |
| 1 | EACH | SIGN PANEL, TYPE 1                     |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON                 |

1 EACH PEDESTRIAN SIGNAL HEAD

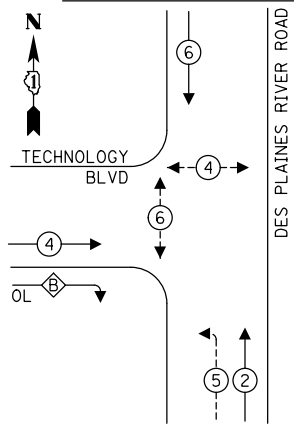
|   |      |                     |
|---|------|---------------------|
| 1 | EACH | CONFIRMATION BEACON |
| 1 | EACH | LIGHT DETECTOR      |

- ① THE CONTRACTOR SHALL REMOVE THE 5-SECTION TRAFFIC SIGNAL HEAD AT THE TIME OF INSTALLING THE NEW FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION. SEE TRAFFIC SIGNAL MODIFICATION PLAN FOR DES PLAINES RIVER ROAD AND TECHNOLOGY BOULEVARD.
- ② THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.



|                                                                                       |                       |               |           |                                                               |                                                                                                                                                             |                     |              |                                                   |                                  |         |        |                 |              |
|---------------------------------------------------------------------------------------|-----------------------|---------------|-----------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|---------------------------------------------------|----------------------------------|---------|--------|-----------------|--------------|
| FILE NAME =                                                                           | USER NAME = bgunnells | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL<br/>AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN<br/>DES PLAINES RIVER ROAD AND TECHNOLOGY BOULEVARD</div> |                     |              |                                                   | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate Plans\RIVER-Technology_01.TMP.dgn | DRAWN - FPB           | REVISED -     |           |                                                               |                                                                                                                                                             |                     |              |                                                   | 19-00035-00-SP                   | COOK    | 101    | 51              |              |
| PLOT SCALE = 48'                                                                      | CHECKED - EAJ         | REVISED -     |           |                                                               | CONTRACT NO. 61L21                                                                                                                                          |                     |              |                                                   |                                  |         |        |                 |              |
| PLOT DATE = 6/20/2025                                                                 | DATE -                | REVISED -     |           |                                                               | SCALE: 1" = 40'                                                                                                                                             | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                                  |         |        |                 |              |

## TEMPORARY CONTROLLER SEQUENCE



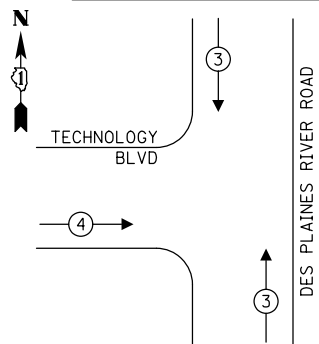
**LEGEND:**

-  PROTECTED PHASE  
 PROTECTED/PERMITTED PHASE  
 PEDESTRIAN PHASE  
 OVERLAP  
 FREE FLOW

**RIGHT TURN OVERLAP**  
**PHASE DESIGNATION:**

$$\frac{\text{OVERLAP LETTER}}{B} = \frac{\text{PERMISSIVE PHASE}}{4} + \frac{\text{PROTECTED PHASE}}{5}$$

## TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

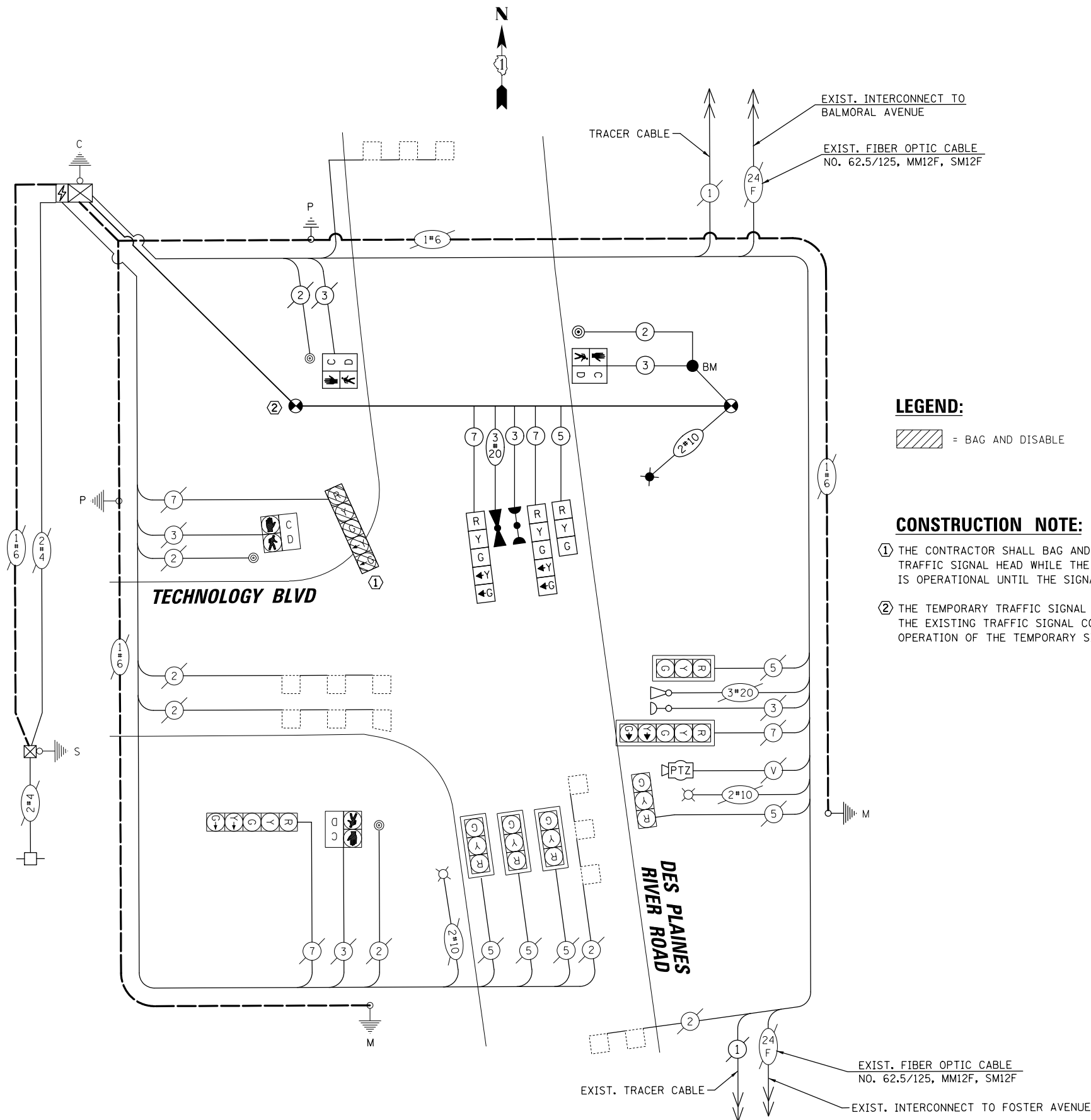
| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 11           | 11          | 50          | 60.5          |
| (YELLOW)          | 11           | 20          | 5           | 11.0          |
| (GREEN)           | 11           | 12          | 45          | 59.4          |
| SOLID ARROW (RED) | -            | 10          | 50          | -             |
| (GREEN & YELLOW)  | 10           | 10          | 10          | 10.0          |
| FLASHING ARROW    | -            | 10          | 5           | -             |
| PED. SIGNAL       | 4            | 20          | 100         | 80.0          |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM      | -            | 150         | 100         | -             |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | 3            | 165         | 50          | 247.5         |
| PTZ               | 1            | 60          | 100         | 60.0          |
|                   |              |             | TOTAL =     | 653.4         |

ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVENUE  
ROSEMONT, ILLINOIS 60018

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

ACCOUNT NUMBER: \_\_\_\_\_



**LEGEND:**

-  = BAG AND DISABLE

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE 5-SECTION TRAFFIC SIGNAL HEAD WHILE THE TEMPORARY TRAFFIC SIGNAL IS OPERATIONAL UNTIL THE SIGNAL HEAD IS REMOVED.
- ② THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.

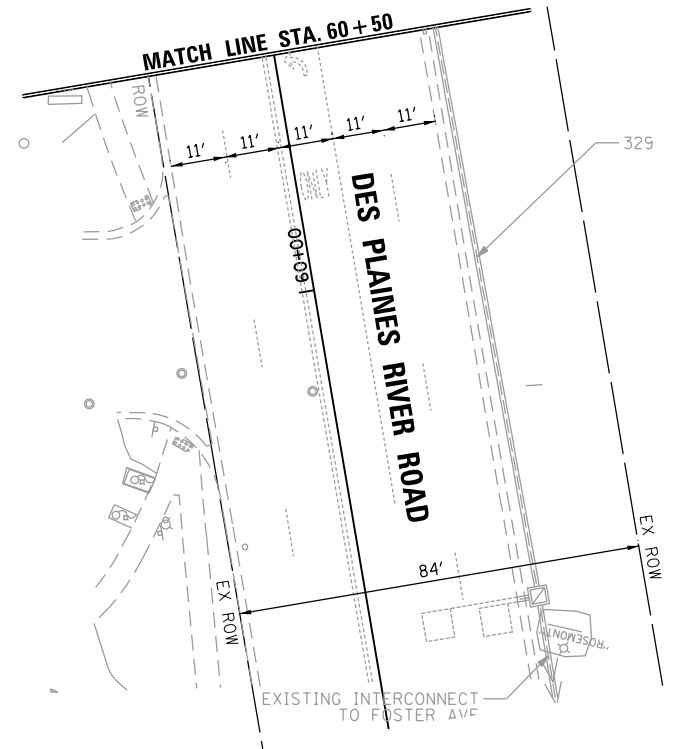
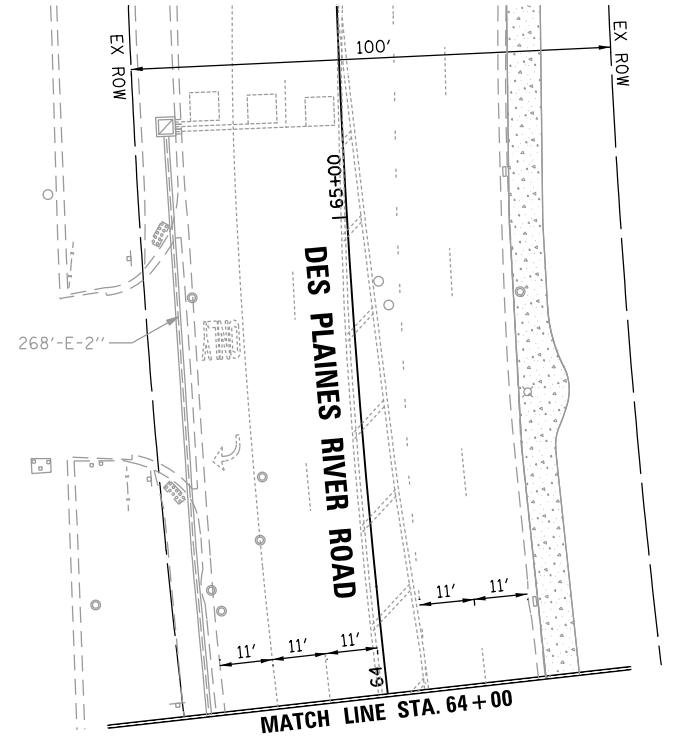
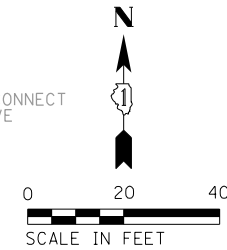
## TEMPORARY CABLE PLAN

(NOT TO SCALE)

|                                                                                       |                       |               |                    |                                                               |                                                                                                                                                                                   |                     |              |                                                   |                 |              |
|---------------------------------------------------------------------------------------|-----------------------|---------------|--------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|---------------------------------------------------|-----------------|--------------|
| FILE NAME =                                                                           | USER NAME = bgunnells | DESIGNED - BG | REVISED -          | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,<br/>AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE<br/>DES PLAINES RIVER ROAD AND TECHNOLOGY BOULEVARD</div> | F.A.U.<br>R.T.E.    | SECTION      | COUNTY                                            | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate.Plans\RIVER-Technology.02.TCB.dgn | DRAWN - FPB           | REVISED -     | 1034 &<br>2710     |                                                               |                                                                                                                                                                                   | 19-00035-00-SP      | COOK         | 101                                               | 52              |              |
| PLOT SCALE = 48'                                                                      | CHECKED - EAJ         | REVISED -     | CONTRACT NO. 61L21 |                                                               |                                                                                                                                                                                   |                     |              |                                                   |                 |              |
| PLOT DATE = 6/20/2025                                                                 | DATE -                | REVISED -     | SCALE: 1" = 40'    |                                                               |                                                                                                                                                                                   | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                 |              |

|                                                                                                                                                     |  |                                                                                                                |  |                                            |  |                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>PROFILE</b><br>SURVEYED _____ BY _____ DATE _____<br>PLOTTED _____<br>GRADES CHECKED _____<br>S.W. NOTED _____<br>STRUCTURE NOTATIONS CHRD _____ |  | <b>CHRISTOPHER B. BURKE</b><br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 823-5600 |  | PLAN _____<br>NOTE BOOK _____<br>NO. _____ |  | SURVEYED _____ BY _____ DATE _____<br>PLOTTED _____<br>ALIGNMENT CHECKED _____<br>P.T. OF LAST CHECKED _____<br>CAD FILE NAME _____ |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|

- [illegible]

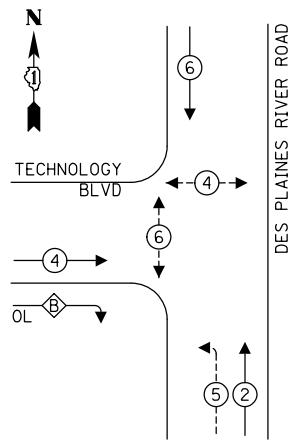


TS SHT NO. 23

|                                                                                       |                       |               |                    |                                                               |                                                                                                 |    |        |      |                |                       |          |                    |              |
|---------------------------------------------------------------------------------------|-----------------------|---------------|--------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----|--------|------|----------------|-----------------------|----------|--------------------|--------------|
| FILE NAME =                                                                           | USER NAME = bgunnells | DESIGNED - BG | REVISED -          | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>TRAFFIC SIGNAL MODIFICATION PLAN<br/>DES PLAINES RIVER ROAD AND TECHNOLOGY BOULEVARD</div> |    |        |      | F.A.U.<br>RTE. | SECTION               | COUNTY   | TOTAL<br>SHEETS    | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate Plans\RIVER-Technology_03.MXD.dgn | DRAWN - FPB           | REVISED -     | 1034 &<br>2710     |                                                               |                                                                                                 |    |        |      | 19-00035-00-SP | COOK                  | 101      | 53                 |              |
| PLOT SCALE = 48'                                                                      | CHECKED - EAJ         | REVISED -     | CONTRACT NO. 61L21 |                                                               |                                                                                                 |    |        |      |                |                       |          |                    |              |
| PLOT DATE = 6/20/2025                                                                 | DATE -                | REVISED -     | SCALE: 1" = 40'    |                                                               | SHEET NO.                                                                                       | OF | SHEETS | STA. | TO STA.        | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |              |



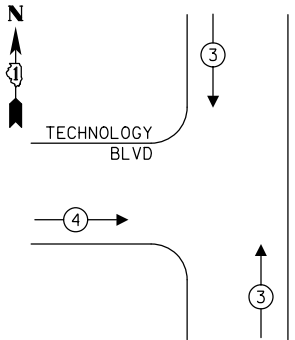
### EXISTING CONTROLLER SEQUENCE



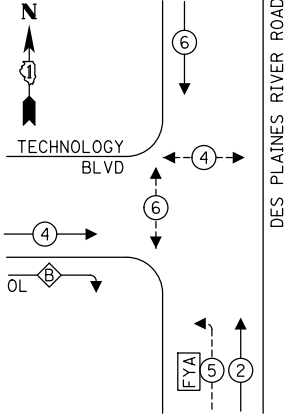
**RIGHT TURN OVERLAP**  
**PHASE DESIGNATION:**

$$\frac{\text{OVERLAP LETTER}}{B} = \frac{\text{PERMISSIVE PHASE}}{4} + \frac{\text{PROTECTED PHASE}}{5}$$

## EX EMERGENCY VEHICLE PREEMPTION SEQUENCE



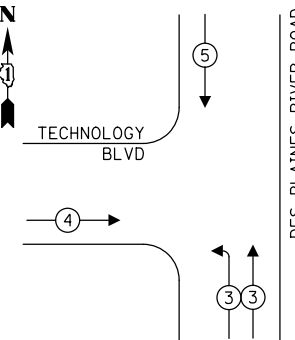
**PROPOSED**  
**CONTROLLER SEQUENCE**



**RIGHT TURN OVERLAP**  
**PHASE DESIGNATION:**

$$\frac{\text{OVERLAP LETTER}}{B} = \frac{\text{PERMISSIVE PHASE}}{4} + \frac{\text{PROTECTED PHASE}}{5}$$

## PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 10           | 11          | 50          | 55.0          |
| (YELLOW)          | 10           | 20          | 5           | 10.0          |
| (GREEN)           | 10           | 12          | 45          | 54.0          |
| SOLID ARROW (RED) | 2            | 10          | 50          | 10.0          |
| (GREEN & YELLOW)  | 8            | 10          | 10          | 8.0           |
| FLASHING ARROW    | 2            | 10          | 5           | 1.0           |
| PED. SIGNAL       | 4            | 20          | 100         | 80.0          |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM      | -            | 150         | 100         | -             |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | 3            | 165         | 50          | 247.5         |
| PTZ               | 1            | 60          | 100         | 60.0          |
|                   |              |             | TOTAL =     | 650.5         |

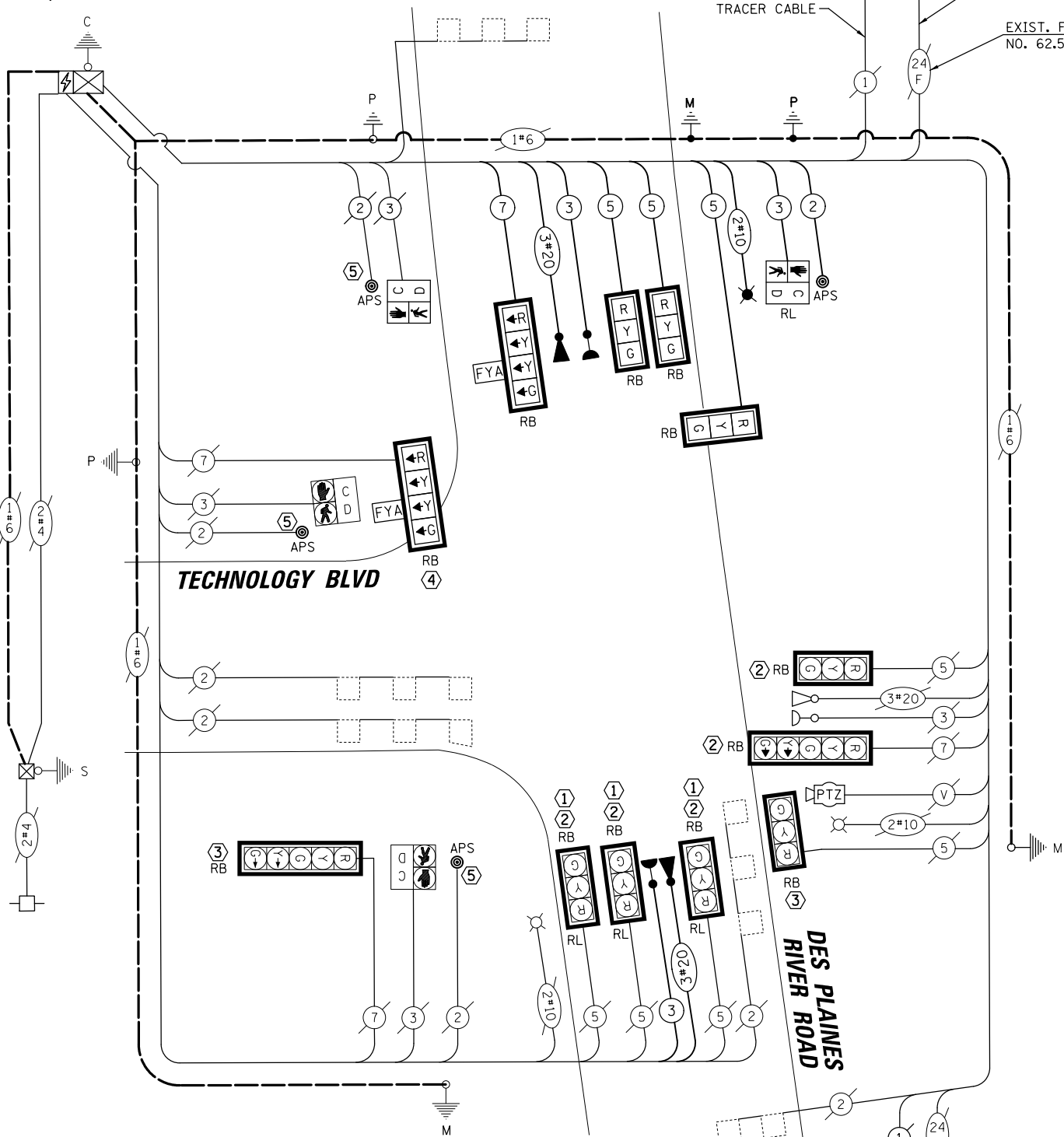
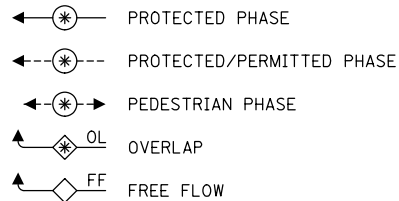
ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVENUE  
ROSEMONT, ILLINOIS 60018

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

ACCOUNT NUMBER:

**LEGEND:**



**CABLE PLAN**  
(NOT TO SCALE)

|                                                                                       |                       |               |                    |                                                               |                                                                                                                                                     |                |         |        |                 |              |
|---------------------------------------------------------------------------------------|-----------------------|---------------|--------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|--------|-----------------|--------------|
| FILE NAME =                                                                           | USER NAME = bgunnells | DESIGNED - BG | REVISED -          | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND<br/>EMERGENCY VEHICLE PREEMPTION SEQUENCE<br/>DES PLAINES RIVER ROAD AND TECHNOLOGY BOULEVARD</div> | F.A.U.<br>RTE. | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate.Plans\RIVER-Technology_04.CAB.dgn | DRAWN - FPB           | REVISED -     | 1034 &<br>2710     |                                                               |                                                                                                                                                     | 19-00035-00-SP | COOK    | 101    | 54              |              |
| PLOT SCALE = 40'                                                                      | CHECKED - EAJ         | REVISED -     | CONTRACT NO. 61L21 |                                                               |                                                                                                                                                     |                |         |        |                 |              |
| PLOT DATE = 6/20/2025                                                                 | DATE -                | REVISED -     | SCALE: 1" = 40'    |                                                               |                                                                                                                                                     | SHEET NO.      | OF      | SHEETS | STA.            | TO STA.      |
|                                                                                       |                       |               |                    | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :             |                                                                                                                                                     |                |         |        |                 |              |

PROFILE

NOTE BOOK NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_

PLOTTED \_\_\_\_\_

BY \_\_\_\_\_

DATE \_\_\_\_\_

PLAN

NOTE BOOK NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_

PLOTTED \_\_\_\_\_

BY \_\_\_\_\_

DATE \_\_\_\_\_

CHRISTOPHER B. BURKE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600

Rosemont, Illinois 60018

(847) 823-0500

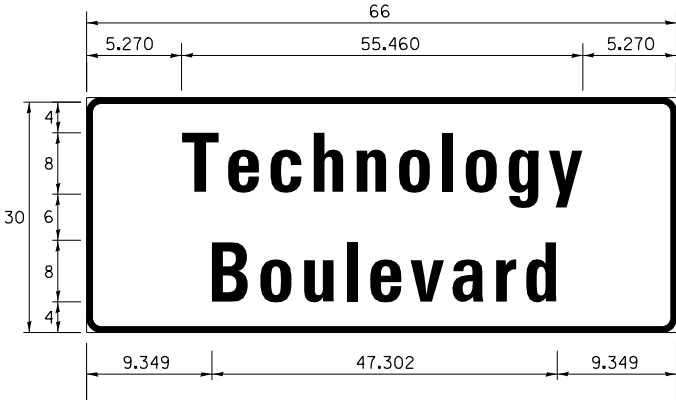
CIB

STRUCTURE NOTATIONS CHKO

TS SHT NO.25

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA ( SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|---------------|-----------------|---------------|---------------|
| D             | 13.75         | 2               | ZZ            | 1             |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGNS DETAIL.

SCHEDULE OF QUANTITIES

| ITEM                                                            | UNIT  | QUANTITY |
|-----------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                             | SQ FT | 15       |
| SIGN PANEL - TYPE 2                                             | SQ FT | 14       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.                  | FOOT  | 4        |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                  | FOOT  | 5        |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                     | FOOT  | 136      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                     | FOOT  | 505      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                     | FOOT  | 495      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                     | FOOT  | 237      |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 | FOOT  | 35       |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.             | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                    | FOOT  | 13       |
| DRILL EXISTING HANDHOLE                                         | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED           | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED            | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED            | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED           | EACH  | 1        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                       | EACH  | 12       |
| LIGHT DETECTOR                                                  | EACH  | 2        |
| LIGHT DETECTOR AMPLIFIER                                        | EACH  | 1        |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT                      | EACH  | 1        |
| MODIFY EXISTING CONTROLLER CABINET                              | EACH  | 1        |
| REMOVE ELECTRIC CABLE FROM CONDUIT                              | FOOT  | 896      |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                        | EACH  | 1        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT  | 363      |
| LUMINAIRE, LED, SPECIAL                                         | EACH  | 1        |
| PEDESTRIAN SIGNAL POST, 10 FT.                                  | EACH  | 1        |
| ACCESSIBLE PEDESTRIAN SIGNALS                                   | EACH  | 4        |
| CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER                    | FOOT  | 4        |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)                 | EACH  | 1        |
| LUMINAIRE SAFETY CABLE ASSEMBLY                                 | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL TIMING                                 | EACH  | 1        |

TS SHT NO. 26

PROFILE

SURVEYED  
PLOTTED  
CHECKED  
BY: [blank]  
DATE: [blank]

NOTE BOOK  
NO. [blank]

PLAN

SURVEYED  
PLOTTED  
CHECKED  
BY: [blank]  
DATE: [blank]

NOTE BOOK  
NO. [blank]

CHRYSTOPHER B. BURKE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

BY

DATE

REMOVAL AND RELOCATION NOTES:

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 IN THE CONTRACT BID PRICE.

- 1

EACH

COMBINATION MAST ARM ASSEMBLY AND POLE
- 3

EACH

3-SECTION SIGNAL HEAD
- 2

EACH

5-SECTION SIGNAL HEAD
- 6

EACH

TRAFFIC SIGNAL BACKPLATE
- 1

EACH

LUMINAIRE
- 1

EACH

CONCRETE FOUNDATION

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL EQUIPMENTS.

- 2

EACH

SIGN PANEL, TYPE 1

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE OF ROSEMONT FIRE DEPARTMENT:

- 1

EACH

CONFIRMATION BEACON
- 1

EACH

LIGHT DETECTOR

TEMPORARY WOOD POLE  
APPROX. STA. 69+40.3, 46.5' LT

TEMPORARY WOOD POLE  
APPROX. STA. 69+43.8, 50.4' RT

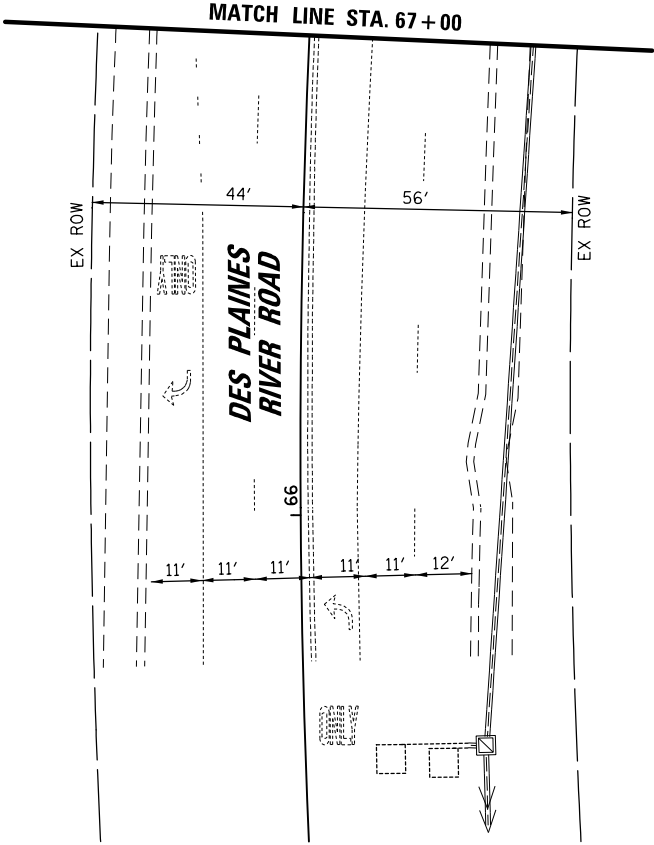
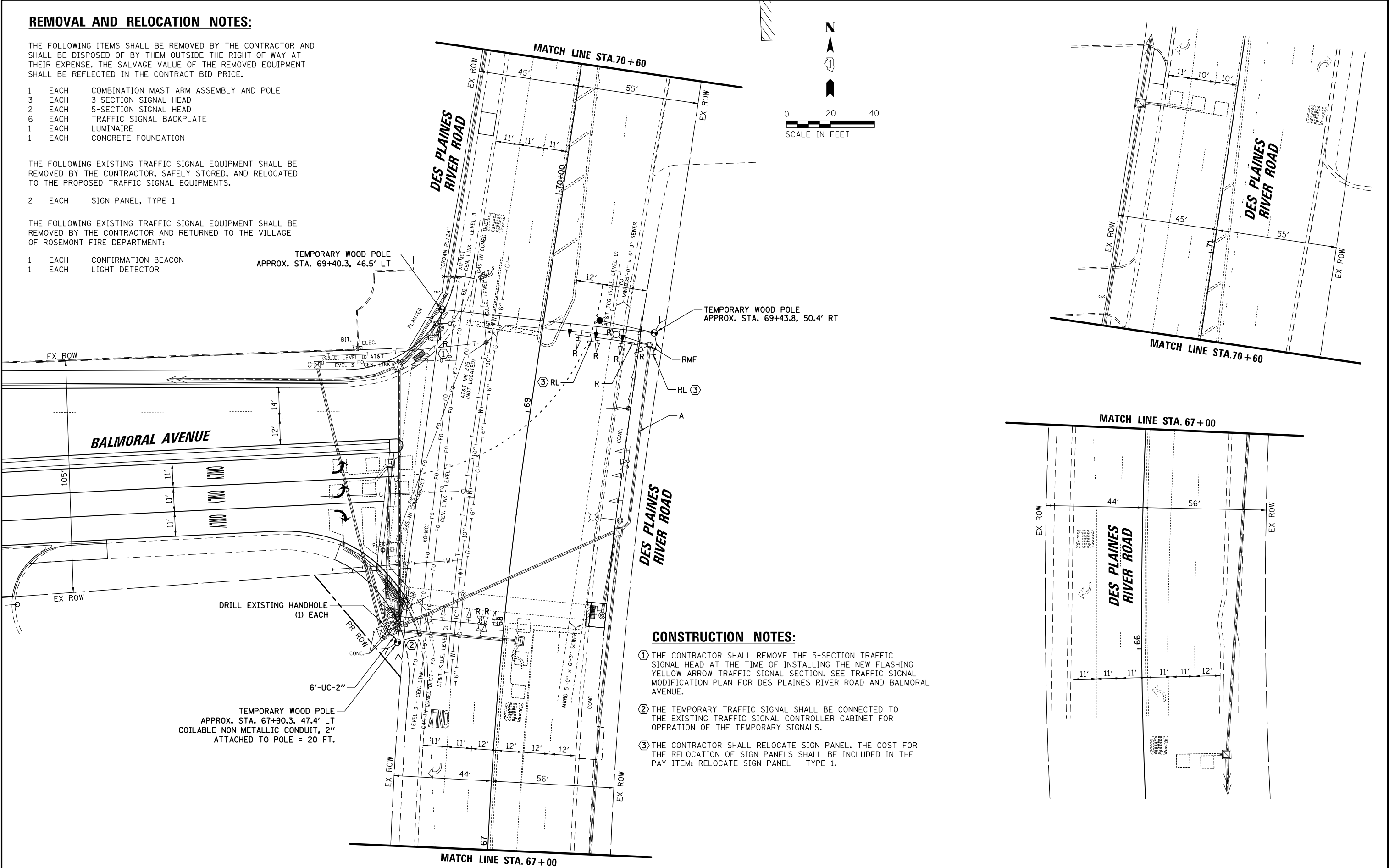
CONSTRUCTION NOTES:

- 1

THE CONTRACTOR SHALL REMOVE THE 5-SECTION TRAFFIC SIGNAL HEAD AT THE TIME OF INSTALLING THE NEW FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION. SEE TRAFFIC SIGNAL MODIFICATION PLAN FOR DES PLAINES RIVER ROAD AND BALMORAL AVENUE.
- 2

THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.
- 3

THE CONTRACTOR SHALL RELOCATE SIGN PANEL. THE COST FOR THE RELOCATION OF SIGN PANELS SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE SIGN PANEL - TYPE 1.

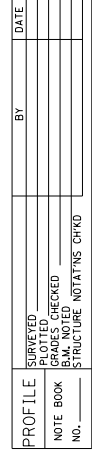


|                                           |                                          |               |           |                                                               |                                                                                                                                                        |  |  |                    |                |           |                 |              |
|-------------------------------------------|------------------------------------------|---------------|-----------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------|----------------|-----------|-----------------|--------------|
| FILE NAME =                               | USER NAME = bgunnells                    | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL<br/>AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN<br/>DES PLAINES RIVER ROAD AND BALMORAL AVENUE</div> |  |  | F.A.U.<br>RTE.     | SECTION        | COUNTY    | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate_Plan\RIVER-Balmoral.01.TMP.dgn | DRAWN - FPB   | REVISED - |                                                               |                                                                                                                                                        |  |  | 1034 &<br>2710     | 19-00035-00-SP | COOK      | 101             | 56           |
|                                           | PLOT SCALE = 40'                         | CHECKED - EAJ | REVISED - |                                                               |                                                                                                                                                        |  |  | CONTRACT NO. 61L21 |                |           |                 |              |
|                                           | PLOT DATE = 6/28/2025                    | DATE -        | REVISED - |                                                               |                                                                                                                                                        |  |  | SCALE: 1" = 40'    | SHEET NO.      | OF SHEETS | STA.            | TO STA.      |

|                           |    |      |
|---------------------------|----|------|
| PROFILE                   | BY | DATE |
| SUBMITTED                 |    |      |
| PLOTTED                   |    |      |
| GRADES CHECKED            |    |      |
| S.M. NOTED                |    |      |
| STRUCTURE NOTED THIS CHRG |    |      |
| NO. _____                 |    |      |


**CHRISTOPHER B. BURKE**  
 ENGINEERING LTD.  
 9975 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 623-0500

|                    |    |      |
|--------------------|----|------|
| PLAN               | BY | DATE |
| SUBMITTED          |    |      |
| PLOTTED            |    |      |
| ALIGNMENT CHECKED  |    |      |
| RT. OF WAY CHECKED |    |      |
| ADD FILE NAME      |    |      |
| NO. _____          |    |      |



## TS SHT NO. 27

PROFILE

SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

BY  
DATE

PLAN

SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

BY  
DATE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

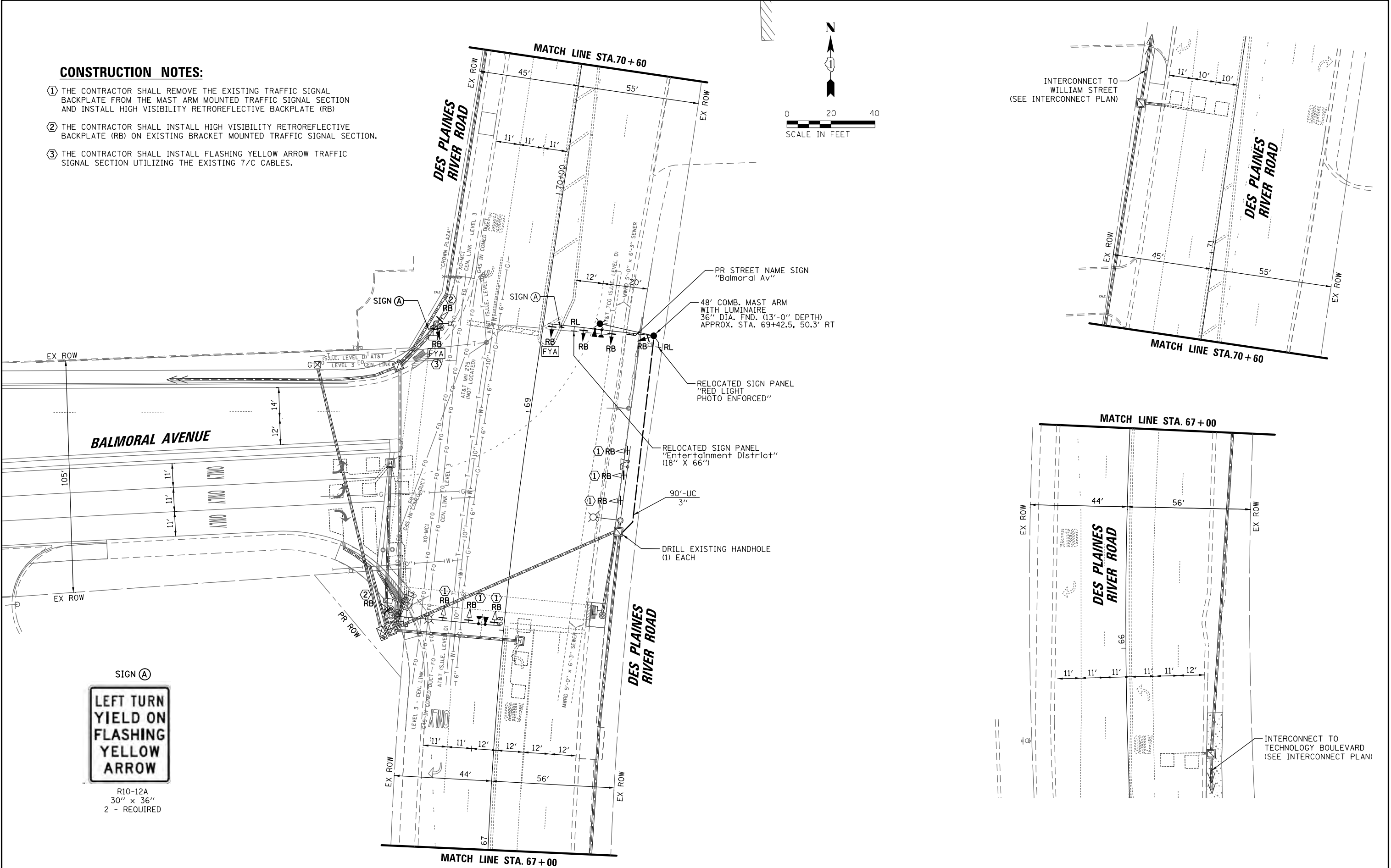
CHRISTOPHER B. BURKE

TS SHT NO. 28

TS SHT NO. 28

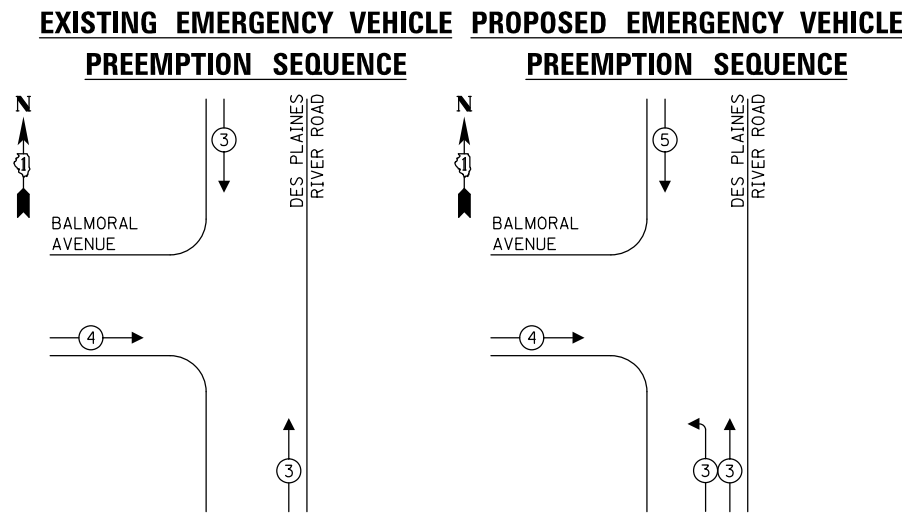
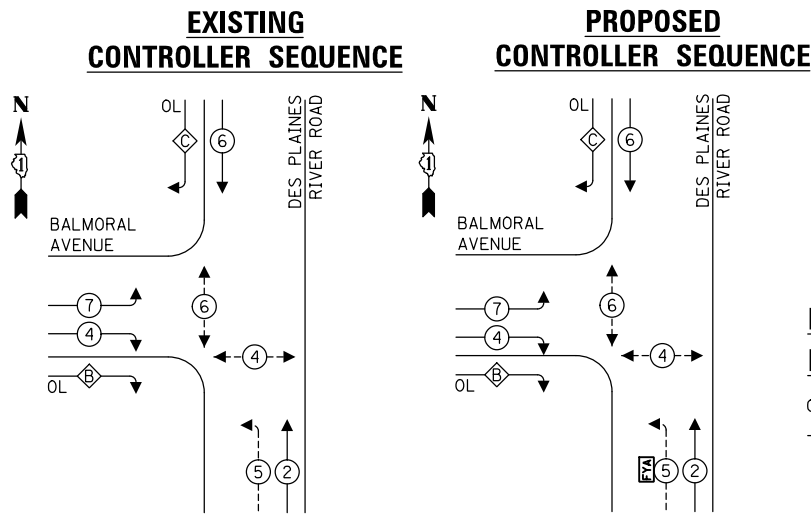
CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB)
- THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.
- THE CONTRACTOR SHALL INSTALL FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION UTILIZING THE EXISTING 7/C CABLES.



|                                           |                                           |               |           |                                                   |                                                                                |                |           |      |                    |                       |          |                    |           |
|-------------------------------------------|-------------------------------------------|---------------|-----------|---------------------------------------------------|--------------------------------------------------------------------------------|----------------|-----------|------|--------------------|-----------------------|----------|--------------------|-----------|
| FILE NAME =                               | USER NAME = bgunnells                     | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL MODIFICATION PLAN<br>DES PLAINES RIVER ROAD AND BALMORAL AVENUE |                |           |      | F.A.U. RTE.        | SECTION               | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-Balmoral.03.MOD.dgn | DRAWN - FPB   | REVISED - |                                                   | 1034 & 2710                                                                    | 19-00035-00-SP | COOK      | 101  | 58                 |                       |          |                    |           |
|                                           | PLOT SCALE = 48"                          | CHECKED - EAJ | REVISED - |                                                   |                                                                                |                |           |      | CONTRACT NO. 61L21 |                       |          |                    |           |
|                                           | PLOT DATE = 6/28/2025                     | DATE -        | REVISED - |                                                   | SCALE: 1" = 40'                                                                | SHEET NO.      | OF SHEETS | STA. | TO STA.            | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |           |





| TRAFFIC SIGNAL<br>ELECTRICAL SERVICE REQUIREMENTS |                 |                |                |                  |
|---------------------------------------------------|-----------------|----------------|----------------|------------------|
| TYPE                                              | NO. OF<br>LAMPS | LED<br>WATTAGE | %<br>OPERATION | TOTAL<br>WATTAGE |
| SIGNAL (RED)                                      | 11              | 11             | 50             | 60.5             |
| (YELLOW)                                          | 11              | 20             | 5              | 11.0             |
| (GREEN)                                           | 11              | 12             | 45             | 59.4             |
| SOLID ARROW (RED)                                 | 2               | 10             | 50             | 10.0             |
| (GREEN & YELLOW)                                  | 12              | 10             | 10             | 12.0             |
| FLASHING ARROW                                    | 2               | 10             | 5              | 1.0              |
| PED. SIGNAL                                       | 4               | 20             | 100            | 80.0             |
| CONTROLLER                                        | 1               | 100            | 100            | 100.0            |
| UPS                                               | 1               | 25             | 100            | 25.0             |
| VIDEO SYSTEM                                      | -               | 150            | 100            | -                |
| BLANK-OUT SIGN                                    | -               | 25             | 5              | -                |
| FLASHER                                           | -               | -              | 50             | -                |
| STREET NAME SIGN                                  | -               | 120            | 50             | -                |
| LUMINAIRE                                         | 4               | 165            | 50             | 330.0            |
| PTZ                                               | 1               | 60             | 100            | 60.0             |
|                                                   |                 |                | TOTAL =        | 748.9            |

ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVENUE  
ROSEMONT, ILLINOIS 60018

ENERGY SUPPLY: CONTACT: LINDA KLOC  
PHONE: (708) 410-5313  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

ACCOUNT NUMBER:

**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**

Diagram illustrating the proposed emergency vehicle preemption sequence at the intersection of Des Plaines Avenue and River Road:

- Emergency vehicle approaches from the west on Des Plaines Avenue.
- Emergency vehicle turns right onto River Road.
- Emergency vehicle proceeds through the intersection.
- Emergency vehicle exits the intersection onto River Road.
- Emergency vehicle is clear of the intersection.

**LEGEND:**

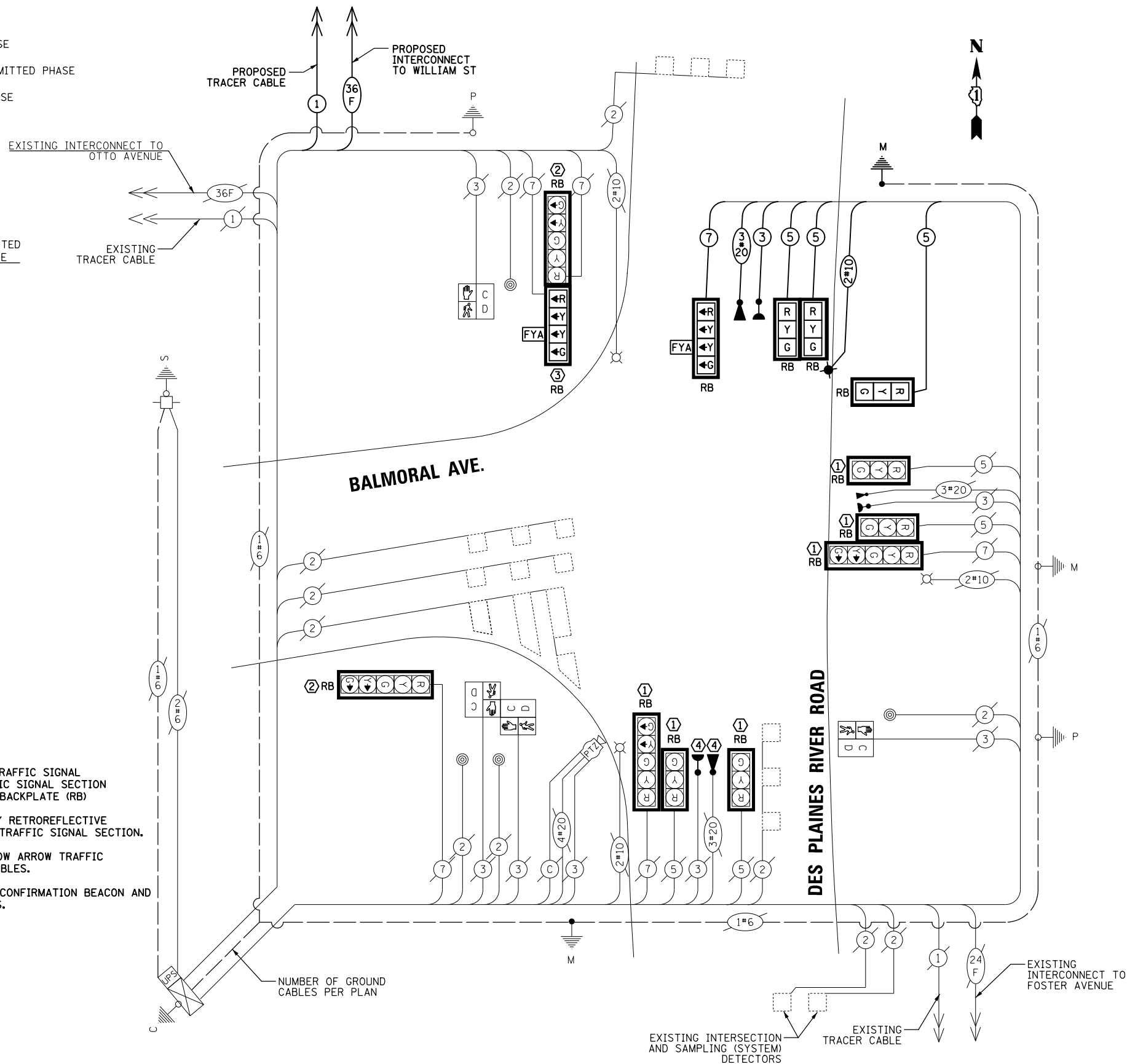
-  PROTECTED PHASE  
 PROTECTED/PERMITTED PHASE  
 PEDESTRIAN PHASE  
 OVERLAP

**RIGHT TURN OVERLAP**  
**PHASE DESIGNATION:**

| OVERLAP<br>LETTER |   | PERMISSIVE<br>PHASE |   | PROTECTED<br>PHASE |
|-------------------|---|---------------------|---|--------------------|
| B                 | = | 4                   | + | 5                  |
| C                 | = | 6                   | + | 7                  |

### CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB)
- ② THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.
- ③ THE CONTRACTOR SHALL INSTALL FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION UTILIZING THE EXISTING 7/C CABLES.
- ④ THE CONTRACTOR SHALL INSTALL THE PROPOSED CONFIRMATION BEACON AND LIGHT DETECTOR UTILIZING THE EXISTING CABLES.

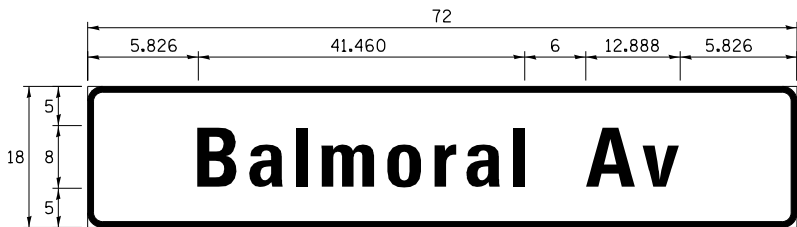


**CABLE PLAN**  
(NOT TO SCALE)

|                                           |                                           |               |           |                                                                 |                                                                                                                                              |  |  |  |                                                   |                           |                |                        |                    |
|-------------------------------------------|-------------------------------------------|---------------|-----------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------|---------------------------|----------------|------------------------|--------------------|
| FILE NAME =                               | USER NAME = bgunnells                     | DESIGNED - BG | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND<br/> EMERGENCY VEHICLE PREEMPTION SEQUENCE<br/> DES PLAINES RIVER ROAD AND BALMORAL AVENUE</b> |  |  |  | F.A.U.<br>RTE.<br>1034 &<br>2710                  | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>59 |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate_Plans\RIVER-Balmoral.04.CAB.dgn | DRAWN - FPB   | REVISED - |                                                                 | SCALE: 1" = 40'                                                                                                                              |  |  |  | CONTRACT NO. 61L21                                |                           |                |                        |                    |
|                                           | PLOT SCALE = 4/8"                         | CHECKED - EAJ | REVISED - |                                                                 | SHEET NO. OF SHEETS STA. TO STA.                                                                                                             |  |  |  | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                           |                |                        |                    |
|                                           | PLOT DATE = 6/20/2025                     | DATE -        | REVISED - |                                                                 |                                                                                                                                              |  |  |  |                                                   |                           |                |                        |                    |

## **SIGN PANEL – TYPE 1**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN<br>SERIES | AREA<br>( SQ FT) | SIGN PANEL<br>TYPE | SHEETING<br>TYPE | QTY.<br>REQUIRED |
|------------------|------------------|--------------------|------------------|------------------|
| D                | 9.0              | 1                  | ZZ               | 1                |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGNS DETAIL.

## **SCHEDULE OF QUANTITIES**

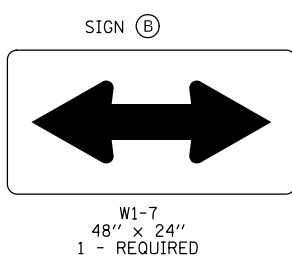
| ITEM                                                               | UNIT  | QUANTITY |
|--------------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                                | SQ FT | 24       |
| RELOCATE SIGN PANEL - TYPE 1                                       | SQ FT | 18       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                     | FOOT  | 90       |
| ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10          | FOOT  | 274      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                        | FOOT  | 294      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                        | FOOT  | 806      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                        | FOOT  | 301      |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT  | 103      |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.                | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                       | FOOT  | 13       |
| DRILL EXISTING HANDHOLE                                            | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED              | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED               | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED               | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED              | EACH  | 1        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                          | EACH  | 13       |
| LIGHT DETECTOR                                                     | EACH  | 2        |
| LIGHT DETECTOR AMPLIFIER                                           | EACH  | 1        |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT                         | EACH  | 1        |
| MODIFY EXISTING CONTROLLER CABINET                                 | EACH  | 1        |
| REMOVE ELECTRIC CABLE FROM CONDUIT                                 | FOOT  | 1100     |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                           | EACH  | 1        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C    | FOOT  | 294      |
| LUMINAIRE, LED, SPECIAL                                            | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)                    | EACH  | 1        |
| LUMINAIRE SAFETY CABLE ASSEMBLY                                    | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL TIMING                                    | EACH  | 1        |

|                                          |                                           |               |           |                                                               |                                                                                                                            |                     |              |                                                   |                |        |                 |              |
|------------------------------------------|-------------------------------------------|---------------|-----------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|---------------------------------------------------|----------------|--------|-----------------|--------------|
| FILE NAME =                              | USER NAME = bgunnells                     | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>SCHEDULE OF QUANTITIES AND<br/>MAST ARM MOUNTED STREET NAME SIGN<br/>DES PLAINES RIVER ROAD AND BALMORAL AVENUE</div> |                     |              | F.A.U.<br>RTE.                                    | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibilit | Backplate.Plans\RIVER-Balmoral.05.STN.dgn | DRAWN - FPB   | REVISED - |                                                               |                                                                                                                            |                     |              | 1034 &<br>2710                                    | 19-00035-00-SP | COOK   | 101             | 60           |
|                                          | PLOT SCALE = 40'                          | CHECKED - EAJ | REVISED - |                                                               | CONTRACT NO. 61L21                                                                                                         |                     |              |                                                   |                |        |                 |              |
|                                          | PLOT DATE = 6/20/2025                     | DATE -        | REVISED - |                                                               | SCALE: NOT TO SCALE                                                                                                        | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                |        |                 |              |

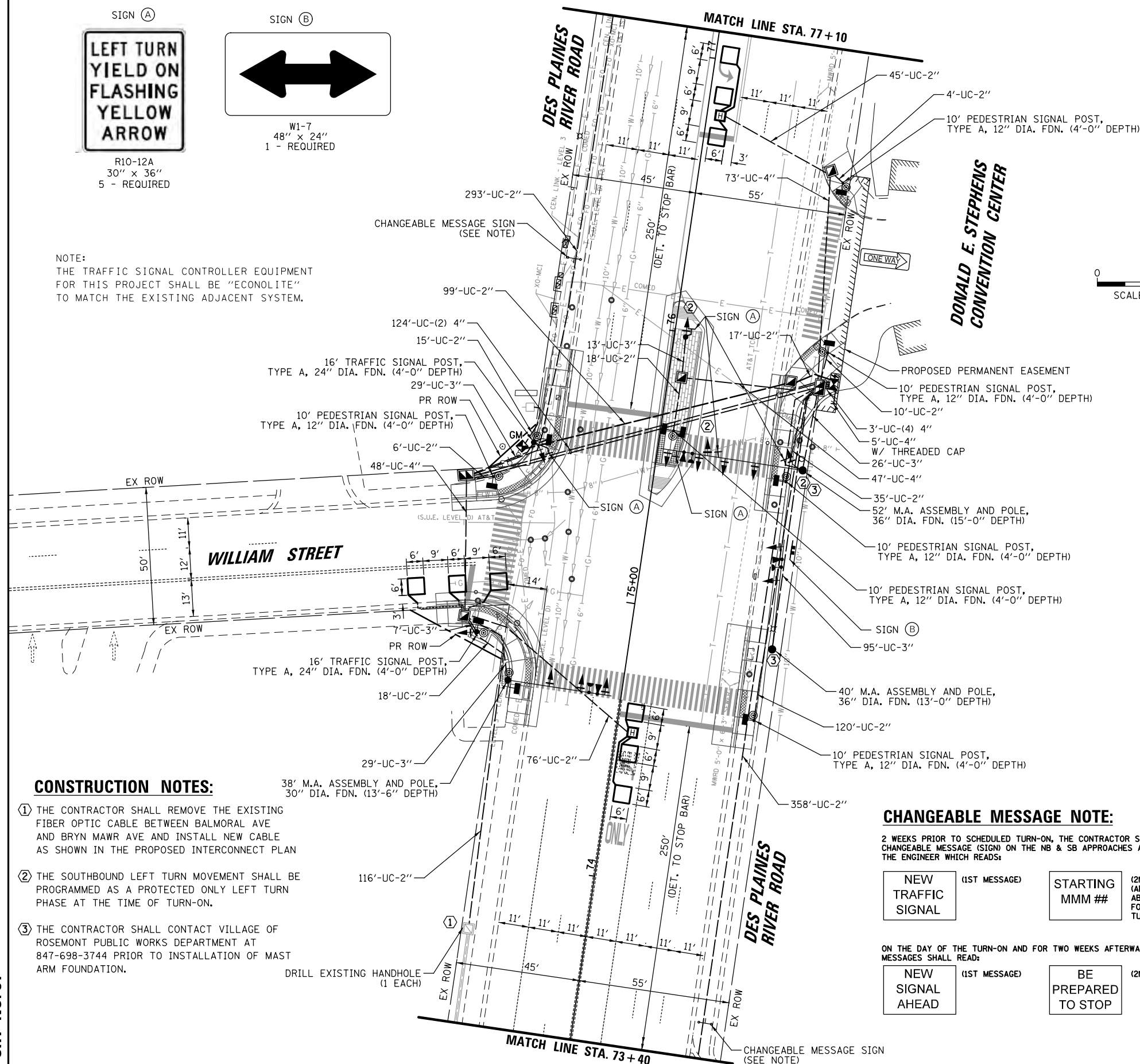
ENGINEERING LTD.

|  |                          |
|--|--------------------------|
|  | SURVEYED _____           |
|  | PLOTTED _____            |
|  | ALIGNMENT CHECKED _____  |
|  | RT. OF WAY CHECKED _____ |
|  | CADD FILE NAME _____     |

| BY | DATE |
|----|------|
|    |      |
|    |      |
|    |      |
|    |      |
|    |      |



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS PROJECT SHALL BE "ECONOLITE"  
TO MATCH THE EXISTING ADJACENT SYSTEM.



2 WEEKS PRIOR TO SCHEDULED TURN-ON, THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE (SIGN) ON THE NB & SB APPROACHES AS DIRECTED BY THE ENGINEER WHICH READS:

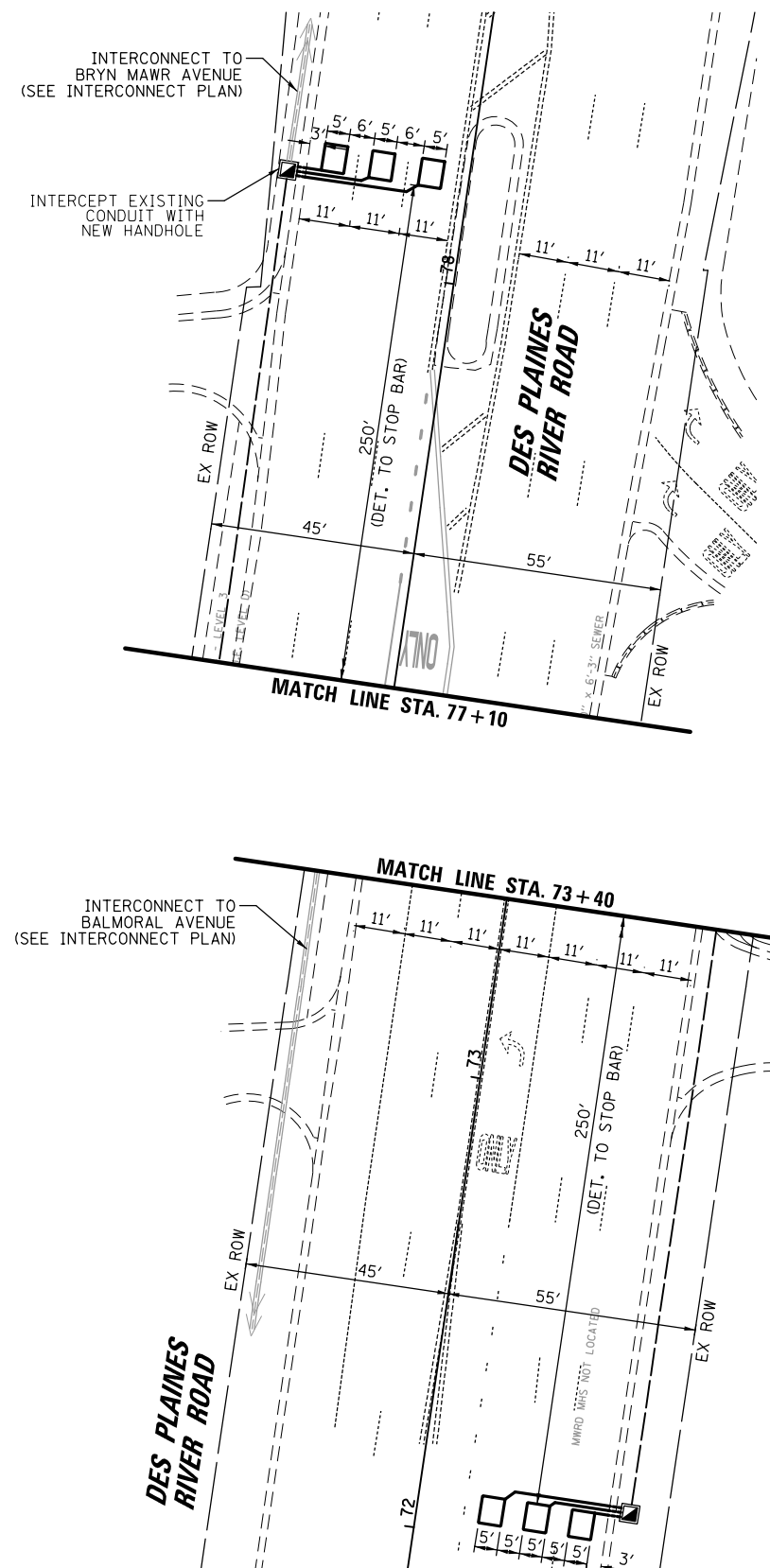
NEW  
TRAFFIC  
SIGNAL

STARTING  
MMM ##

ON THE DAY OF THE TURN-ON AND FOR TWO WEEKS AFTERWARDS THE  
MESSAGES SHALL READ:

NEW  
SIGNAL  
AHEAD

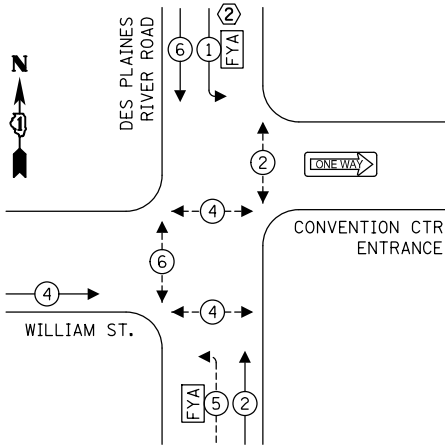
BE  
PREPARED  
TO STOP



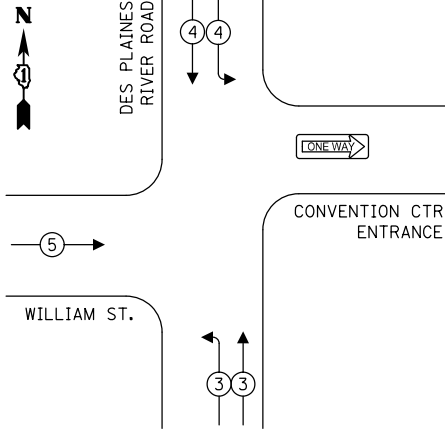
TS SHT NO. 31

|                                           |                                          |               |           |                                                   |                                                                                              |                |      |        |                    |         |                                                   |              |           |
|-------------------------------------------|------------------------------------------|---------------|-----------|---------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|------|--------|--------------------|---------|---------------------------------------------------|--------------|-----------|
| FILE NAME =                               | USER NAME = bgunnells                    | DESIGNED = BG | REVISED = | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL INSTALLATION PLAN<br>DES PLAINES RIVER RD AND WILLIAM ST /CONVENTION CTR ENT. |                |      |        | F.A.U. RTE.        | SECTION | COUNTY                                            | TOTAL SHEETS | SHEET NO. |
| N:\ROSEMONT\20004\Traffic\High_Visibility | Backplate_Plans\RIVER-William_01.MOD.dgn | DRAWN = FPB   | REVISED = |                                                   | 1034 & 2710                                                                                  | 19-00035-00-SP | COOK | 101    | 61                 |         |                                                   |              |           |
|                                           | PLOT SCALE = 40'                         | CHECKED = EAJ | REVISED = |                                                   |                                                                                              |                |      |        | CONTRACT NO. 61L21 |         |                                                   |              |           |
|                                           | PLOT DATE = 6/20/2025                    | DATE =        | REVISED = |                                                   | SCALE: 1" = 40'                                                                              | SHEET NO.      | OF   | SHEETS | STA.               | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |              |           |

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 9            | 11          | 50          | 49.5          |
| (YELLOW)          | 9            | 20          | 5           | 9.0           |
| (GREEN)           | 9            | 12          | 45          | 48.6          |
| SOLID ARROW (RED) | 4            | 10          | 50          | 20.0          |
| (GREEN & YELLOW)  | 8            | 10          | 10          | 8.0           |
| FLASHING ARROW    | 4            | 10          | 5           | 2.0           |
| PED. SIGNAL       | 10           | 20          | 100         | 200.0         |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM      | -            | 150         | 100         | -             |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | -            | 165         | 50          | -             |
| PTZ               | -            | 60          | 100         | -             |
| TOTAL =           |              |             |             | 462.1         |

ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVE  
ROSEMONT, IL 60018

ENERGY SUPPLY: CONTACT: LATALIA GILBERT

PHONE: 773-858-8334

COMPANY: COMED

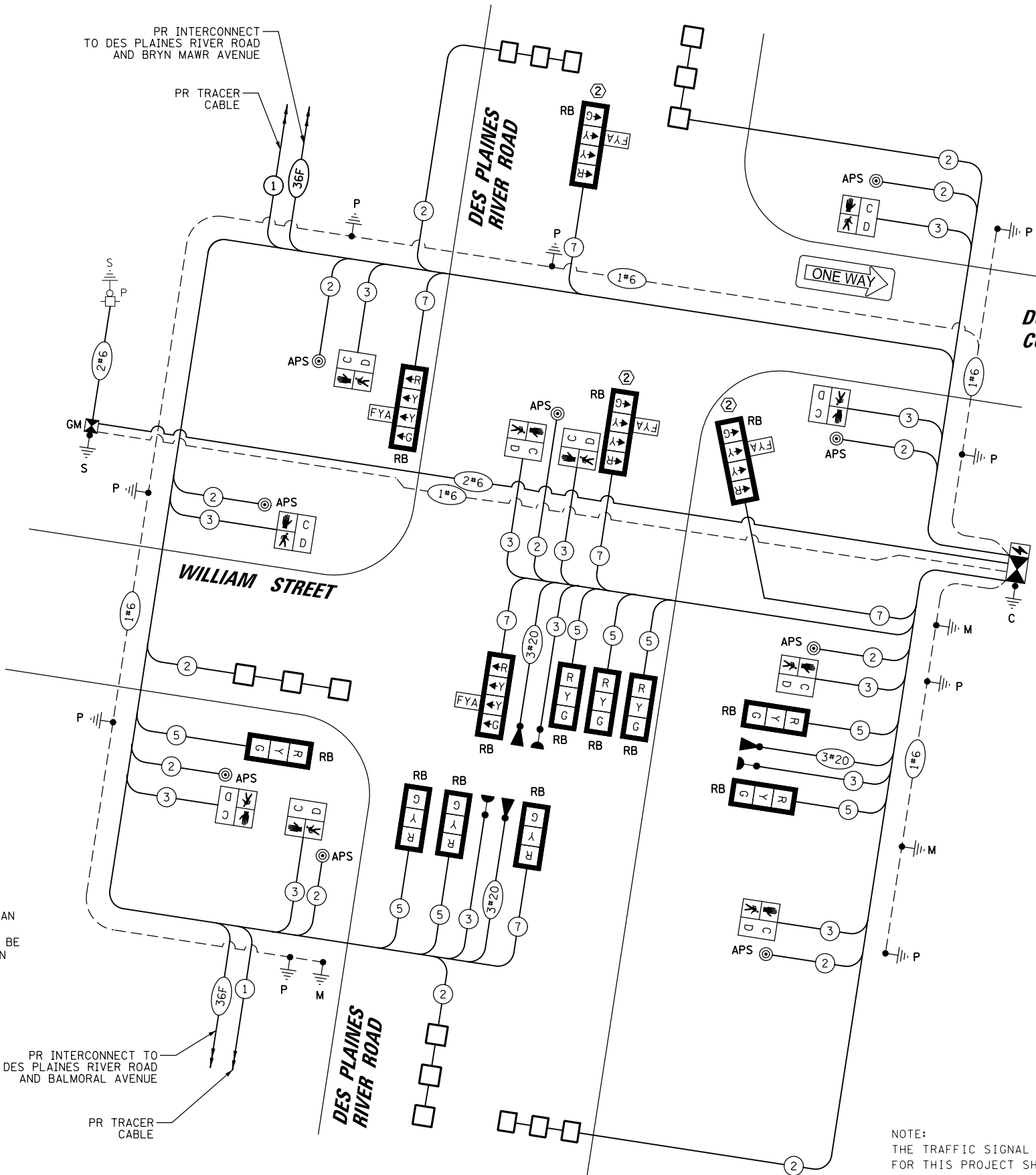
ACCOUNT NUMBER: ---

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL REMOVE THE EXISTING FIBER OPTIC CABLE BETWEEN BALMORAL AVE AND BRYN MAWR AVE AND INSTALL NEW CABLE AS SHOWN IN THE PROPOSED INTERCONNECT PLAN
- THE SOUTHBOUND LEFT TURN MOVEMENT SHALL BE PROGRAMMED AS A PROTECTED ONLY LEFT TURN PHASE AT THE TIME OF TURN-ON.



CABLE PLAN  
(NOT TO SCALE)

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS PROJECT SHALL BE "ECONOLITE"  
TO MATCH THE EXISTING ADJACENT SYSTEM.

|                                                                                    |                       |
|------------------------------------------------------------------------------------|-----------------------|
| FILE NAME =                                                                        | USER NAME = bgunnells |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate\Plans\RIVER-William_02.CAB.dgn |                       |
| PLOT SCALE = 48"                                                                   |                       |
| PLOT DATE = 6/20/2025                                                              |                       |

|               |           |
|---------------|-----------|
| DESIGNED - BG | REVISED - |
| DRAWN - FPB   | REVISED - |
| CHECKED - EAJ | REVISED - |
| DATE -        | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                                                                                                                                                  |                               |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|
| CABLE PLAN, PHASE DESIGNATION DIAGRAM,<br>AND EMERGENCY VEHICLE PREEMPTION SEQUENCE<br>DES PLAINES RIVER RD AND WILLIAM ST / CONVENTION CTR ENT. |                               |                        |
| SCALE: NOT TO SCALE                                                                                                                              | SHEET NO. ____ OF ____ SHEETS | STA. ____ TO STA. ____ |

|                                                   |                           |                |                        |                    |
|---------------------------------------------------|---------------------------|----------------|------------------------|--------------------|
| F.A.U.<br>RTE.<br>1034 &<br>2710                  | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>62 |
| CONTRACT NO. 61L21                                |                           |                |                        |                    |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                           |                |                        |                    |



PROFILE

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

NOTED \_\_\_\_\_  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

STRUCTURE NOTATION: CHKO

PLAN

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

NOTED \_\_\_\_\_  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

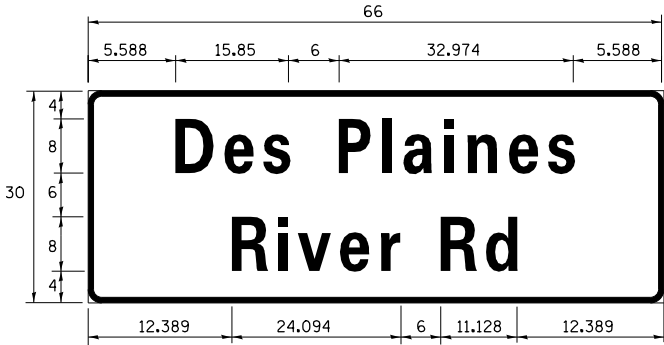
CAD FILE NAME: \_\_\_\_\_

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9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

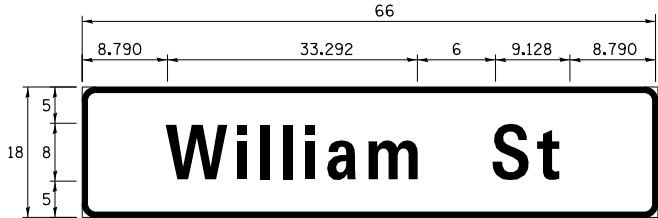
C  
B  
E

TS SHT NO. 33

SIGN PANEL – TYPE 1 OR TYPE 2  
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 13.75        | 2               | ZZ            | 1             |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 8.25         | 1               | ZZ            | 2             |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGN DETAIL.

SCHEDULE OF QUANTITIES

| ITEM                                                                      | UNIT  | QUANTITY |
|---------------------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                                       | SQ FT | 62       |
| SIGN PANEL - TYPE 2                                                       | SQ FT | 14       |
| TELESCOPING STEEL SIGN SUPPORT                                            | FOOT  | 22       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.                            | FOOT  | 1209     |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                            | FOOT  | 207      |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.                            | FOOT  | 433      |
| HANDHOLE                                                                  | EACH  | 6        |
| HEAVY-DUTY HANDHOLE                                                       | EACH  | 2        |
| DOUBLE HANDHOLE                                                           | EACH  | 2        |
| TRANSCEIVER - FIBER OPTIC                                                 | EACH  | 1        |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                               | FOOT  | 1328     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                               | FOOT  | 2074     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                               | FOOT  | 1733     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                               | FOOT  | 593      |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                         | FOOT  | 1494     |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C                             | FOOT  | 182      |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C        | FOOT  | 1363     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                              | EACH  | 2        |
| STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.                                  | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE A                                               | FOOT  | 12       |
| CONCRETE FOUNDATION, TYPE C                                               | FOOT  | 4        |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                              | FOOT  | 14       |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                              | FOOT  | 28       |
| DRILL EXISTING HANDHOLE                                                   | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED                     | EACH  | 8        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED                      | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED                      | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED                     | EACH  | 3        |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH  | 10       |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                                 | EACH  | 14       |
| INDUCTIVE LOOP DETECTOR                                                   | EACH  | 5        |
| DETECTOR LOOP, TYPE I                                                     | FOOT  | 489      |
| LIGHT DETECTOR                                                            | EACH  | 2        |
| LIGHT DETECTOR AMPLIFIER                                                  | EACH  | 1        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C           | FOOT  | 581      |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED                             | EACH  | 1        |
| PEDESTRIAN SIGNAL POST, 10 FT.                                            | EACH  | 6        |
| FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)               | EACH  | 1        |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL                                     | EACH  | 1        |
| ACCESSIBLE PEDESTRIAN SIGNALS                                             | EACH  | 9        |
| CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER                              | FOOT  | 24       |
| EXPLORATORY EXCAVATION                                                    | CU YD | 20       |



TS SHT NO. 34

PROFILE

NOTE BOOK

NO.

DATE

BY

STRUCTURE NOTATIONS CHK'D

CHROSTOPHER B. BURKE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600

Rosemont, Illinois 60018

(847) 823-0500

PLAN

NOTE BOOK

NO.

DATE

BY

CAD FILE NAME

SURVEYED

PLOTTED

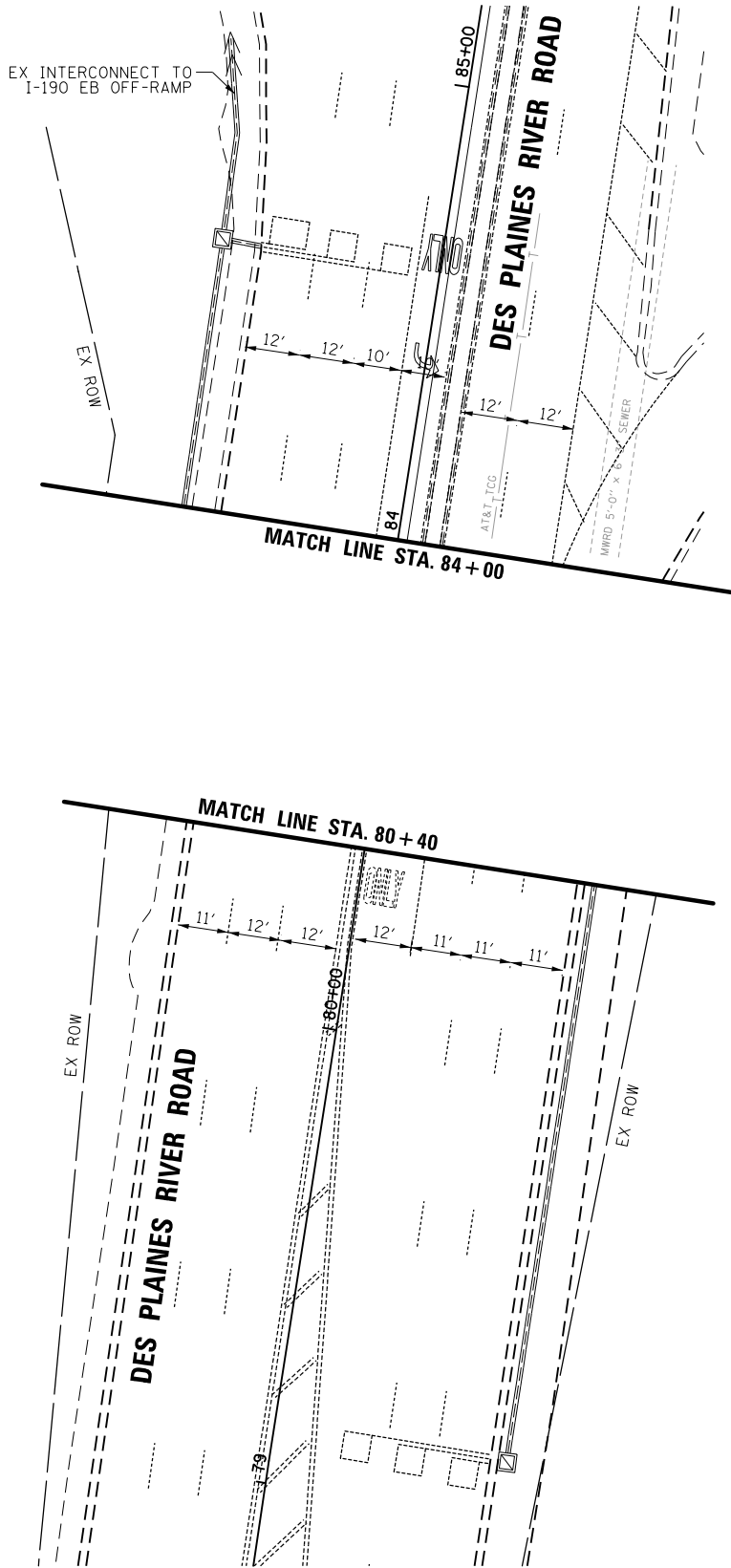
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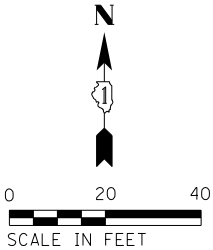
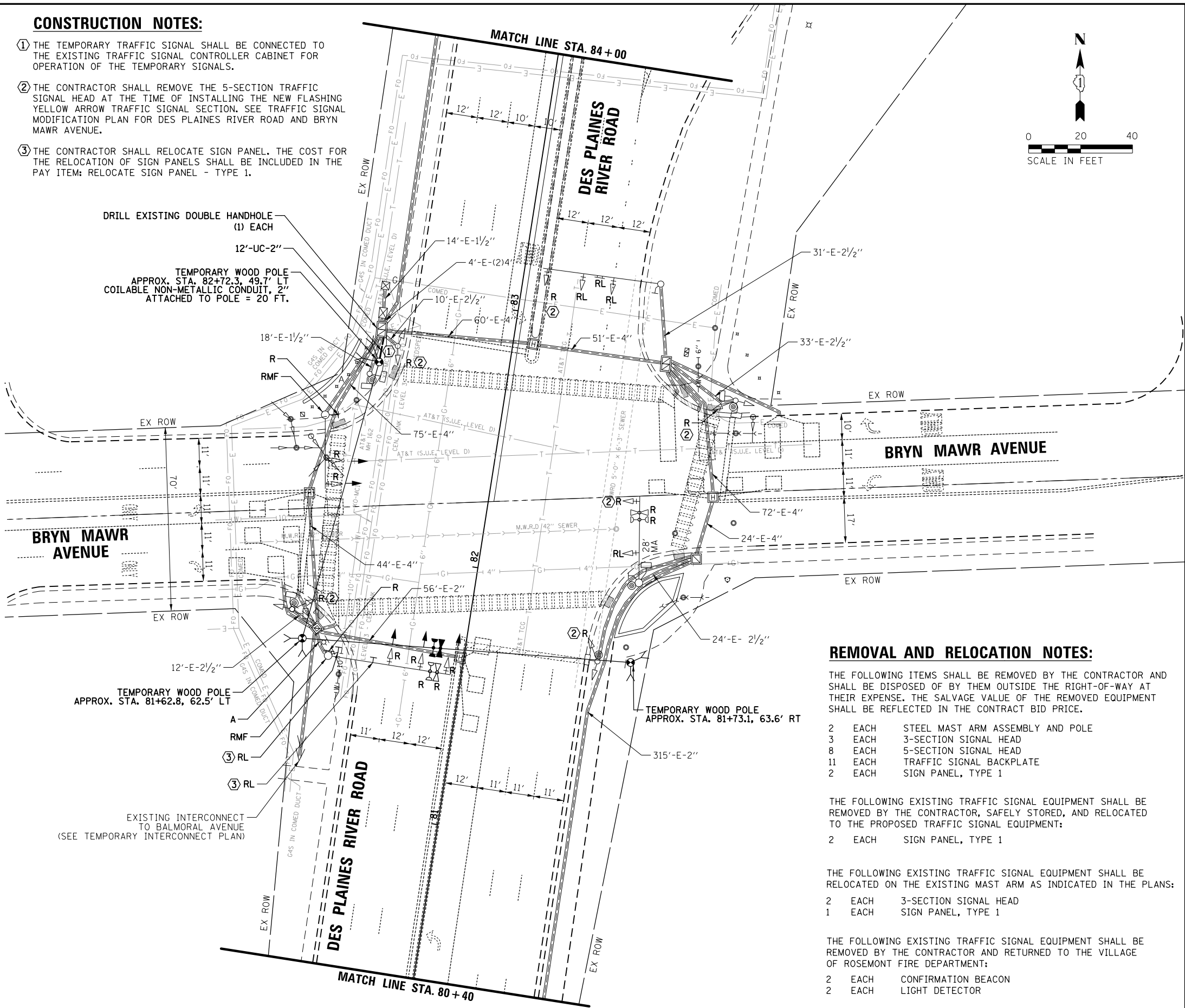
BY

FILE NAME



CONSTRUCTION NOTES:

- 1 THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.
- 2 THE CONTRACTOR SHALL REMOVE THE 5-SECTION TRAFFIC SIGNAL HEAD AT THE TIME OF INSTALLING THE NEW FLASHING YELLOW ARROW TRAFFIC SIGNAL SECTION. SEE TRAFFIC SIGNAL MODIFICATION PLAN FOR DES PLAINES RIVER ROAD AND BRYN MAWR AVENUE.
- 3 THE CONTRACTOR SHALL RELOCATE SIGN PANEL. THE COST FOR THE RELOCATION OF SIGN PANELS SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE SIGN PANEL - TYPE 1.



REMOVAL AND RELOCATION NOTES:

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 IN THE CONTRACT BID PRICE.

- |    |      |                                  |
|----|------|----------------------------------|
| 2  | EACH | STEEL MAST ARM ASSEMBLY AND POLE |
| 3  | EACH | 3-SECTION SIGNAL HEAD            |
| 8  | EACH | 5-SECTION SIGNAL HEAD            |
| 11 | EACH | TRAFFIC SIGNAL BACKPLATE         |
| 2  | EACH | SIGN PANEL, TYPE 1               |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL EQUIPMENT:

- |   |      |                    |
|---|------|--------------------|
| 2 | EACH | SIGN PANEL, TYPE 1 |
|---|------|--------------------|

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE RELOCATED ON THE EXISTING MAST ARM AS INDICATED IN THE PLANS:

- |   |      |                       |
|---|------|-----------------------|
| 2 | EACH | 3-SECTION SIGNAL HEAD |
| 1 | EACH | SIGN PANEL, TYPE 1    |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE OF ROSEMONT FIRE DEPARTMENT:

- |   |      |                     |
|---|------|---------------------|
| 2 | EACH | CONFIRMATION BEACON |
| 2 | EACH | LIGHT DETECTOR      |

|                                           |                                           |               |           |                                                   |                                                                                                                                            |           |    |        |                |         |                |                 |                                                       |     |    |
|-------------------------------------------|-------------------------------------------|---------------|-----------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|----|--------|----------------|---------|----------------|-----------------|-------------------------------------------------------|-----|----|
| FILE NAME =                               | USER NAME = bgunnells                     | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL<br>AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN<br>DES PLAINES RIVER ROAD AND BRYN MAWR AVENUE |           |    |        | F.A.U.<br>RTE. | SECTION | COUNTY         | TOTAL<br>SHEETS | SHEET<br>NO.                                          |     |    |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-BrynMawr_01.TMP.dgn | DRAWN - FPB   | REVISED - |                                                   | SCALE: 1" = 40'                                                                                                                            | SHEET NO. | OF | SHEETS | STA.           | TO STA. | 1034 &<br>2710 | 19-00035-00-SP  | COOK                                                  | 101 | 64 |
|                                           | PLOT SCALE = 40"                          | CHECKED - EAJ | REVISED - |                                                   |                                                                                                                                            |           |    |        |                |         |                |                 | CONTRACT NO. 61L21                                    |     |    |
|                                           | PLOT DATE = 6/20/2025                     | DATE -        | REVISED - |                                                   |                                                                                                                                            |           |    |        |                |         |                |                 | FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT : |     |    |
|                                           |                                           |               |           |                                                   |                                                                                                                                            |           |    |        |                |         |                |                 |                                                       |     |    |

DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

CBSB

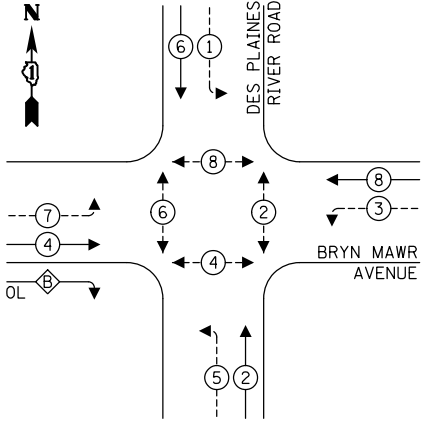
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BY  
SURVEYED  
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NOTE BOOK  
NO.

TS SHT NO. 35

TEMPORARY CONTROLLER SEQUENCE



LEGEND:

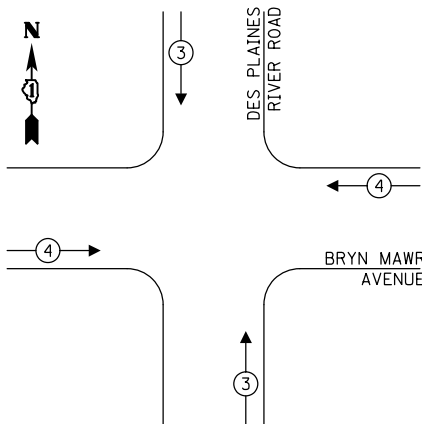
- ←(\*) PROTECTED PHASE
- ←-\*(\*)- PROTECTED/PERMITTED PHASE
- ←-\*(\*)→ PEDESTRIAN PHASE
- ←(OL) OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER B = PERMISSIVE PHASE 4 + PROTECTED PHASE 5

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 18           | 11          | 50          | 99.0          |
| (YELLOW)          | 18           | 20          | 5           | 18.0          |
| (GREEN)           | 18           | 12          | 45          | 97.2          |
| SOLID ARROW (RED) | -            | 10          | 50          | -             |
| (GREEN & YELLOW)  | 24           | 10          | 10          | 24.0          |
| FLASHING ARROW    | -            | 10          | 5           | -             |
| PED. SIGNAL       | 8            | 20          | 100         | 160.0         |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | -            | 25          | 100         | -             |
| VIDEO SYSTEM      | -            | 150         | 100         | -             |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | -            | 165         | 50          | -             |
| PTZ               | -            | 60          | 100         | -             |
| TOTAL =           |              |             |             | 498.2         |

ENERGY COSTS TO:

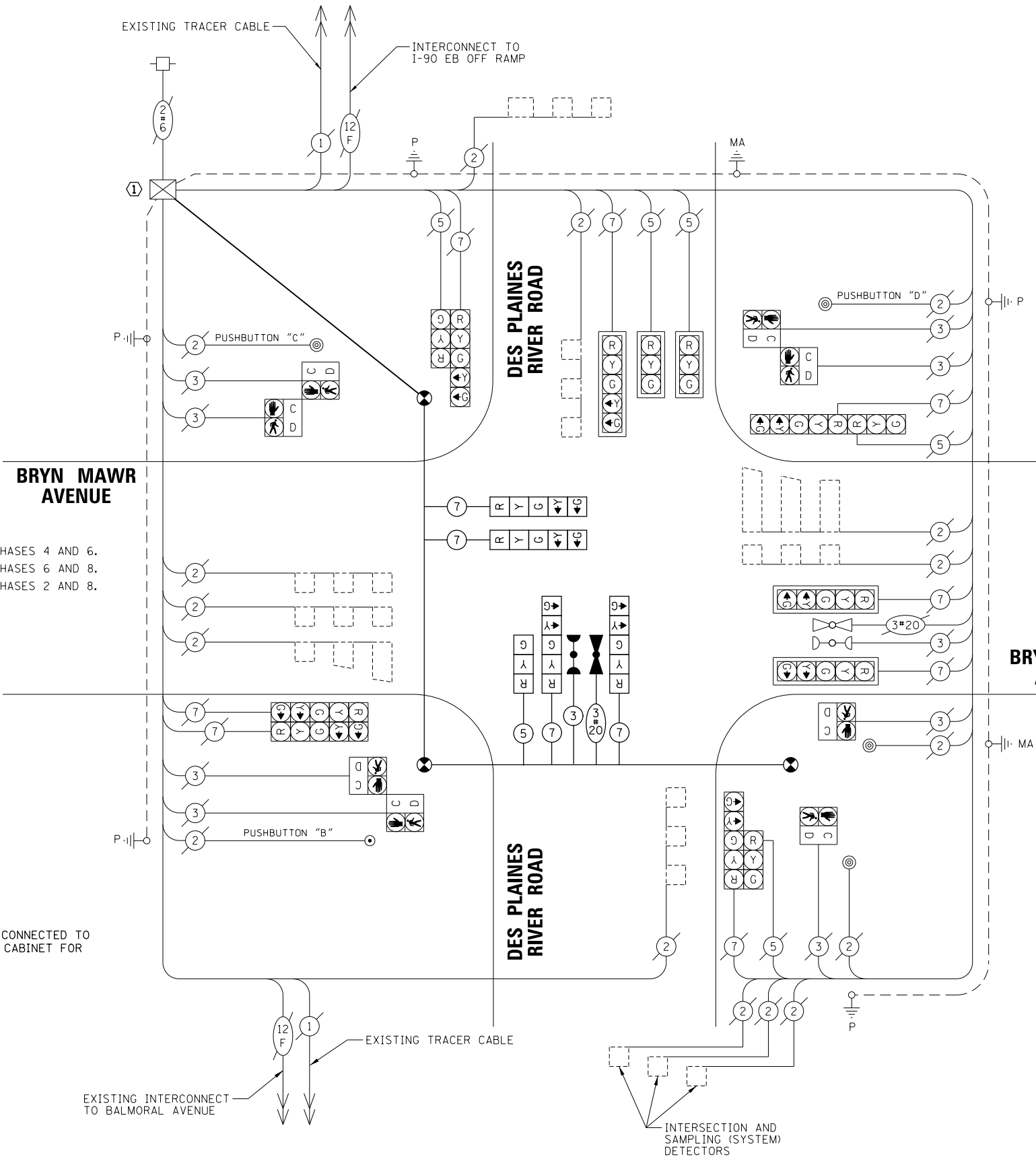
VILLAGE OF ROSEMONT  
9501 WEST DEVON AVENUE  
ROSEMONT, ILLINOIS 60018

ENERGY SUPPLY: CONTACT: LINDA KLOC  
PHONE: (708) 410-5313  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

CONSTRUCTION NOTE:

- ① THE TEMPORARY TRAFFIC SIGNAL SHALL BE CONNECTED TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR OPERATION OF THE TEMPORARY SIGNALS.

BRYN MAWR AVENUE



TEMPORARY CABLE PLAN

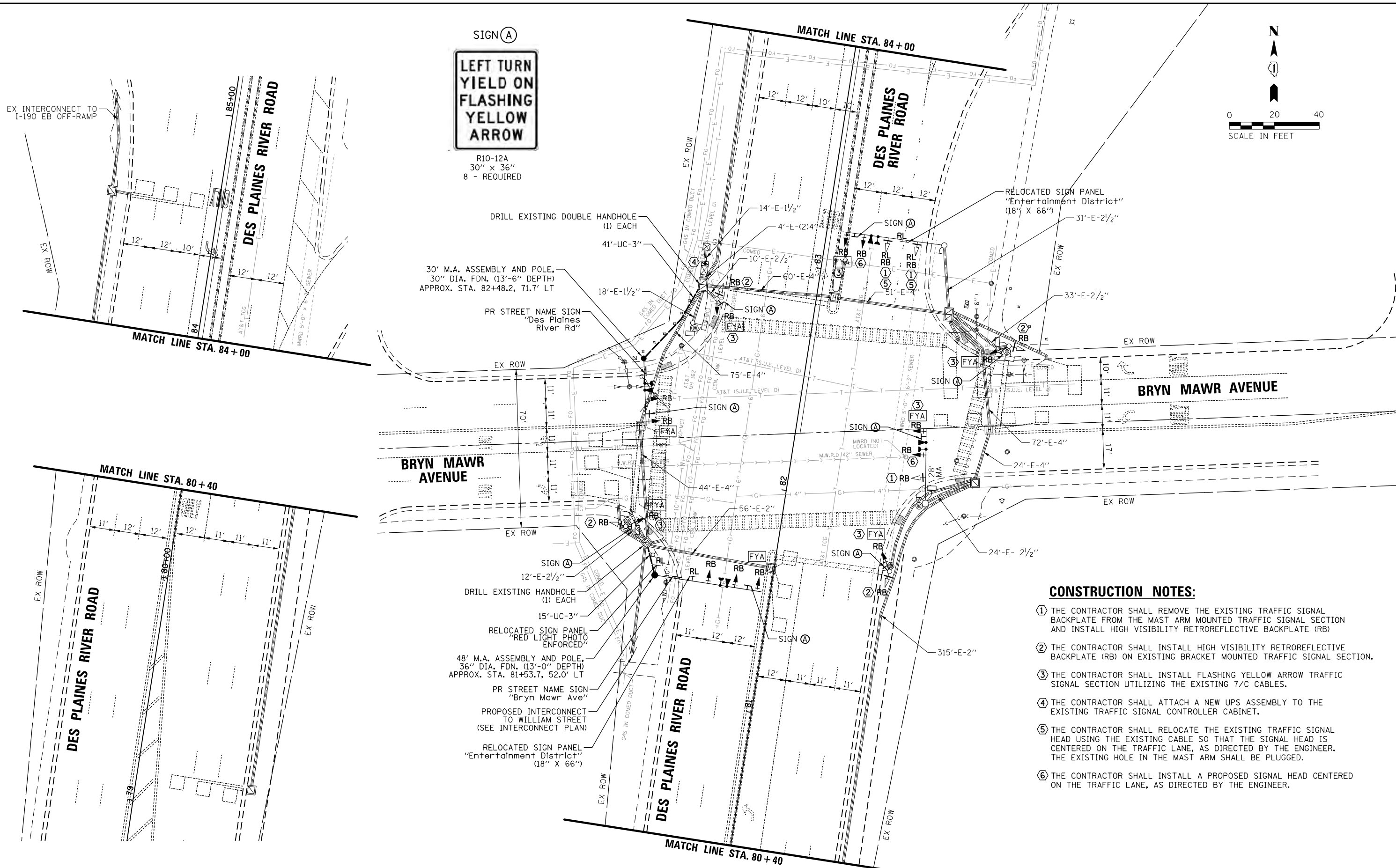
NOT TO SCALE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DES PLAINES RIVER ROAD AND BRYN MAWR AVENUE

SCALE: 1" = 40' SHEET NO. OF SHEETS STA. TO STA.

| F.A.U. RTE.                                         | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------------------------|----------------|--------|--------------|-----------|
| 1034 & 2710                                         | 19-00035-00-SP | COOK   | 101          | 65        |
| CONTRACT NO. 61L21                                  |                |        |              |           |
| FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT : |                |        |              |           |



|                                           |                                           |               |           |                                                   |                                                                                 |                |      |        |      |                |                                                   |        |                 |              |
|-------------------------------------------|-------------------------------------------|---------------|-----------|---------------------------------------------------|---------------------------------------------------------------------------------|----------------|------|--------|------|----------------|---------------------------------------------------|--------|-----------------|--------------|
| FILE NAME :                               | USER NAME : bgunnells                     | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL MODIFICATION PLAN<br>DES PLAINES RIVER ROAD AND BRYN MAWR AVENUE |                |      |        |      | F.A.U.<br>RTE. | SECTION                                           | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-BrynMawr_03.MDD.dgn | DRAWN - FPB   | REVISED - |                                                   | 1034 &<br>2710                                                                  | 19-00035-00-SP | COOK | 101    | 66   |                |                                                   |        |                 |              |
|                                           | PLOT SCALE : 48'                          | CHECKED - EAJ | REVISED - |                                                   | CONTRACT NO. 61L21                                                              |                |      |        |      |                |                                                   |        |                 |              |
|                                           | PLOT DATE : 6/20/2025                     | DATE -        | REVISED - |                                                   | SCALE: 1" = 40'                                                                 | SHEET NO.      | OF   | SHEETS | STA. | TO STA.        | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |        |                 |              |



PROFILE

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

BY \_\_\_\_\_

PLAN

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

BY \_\_\_\_\_

CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

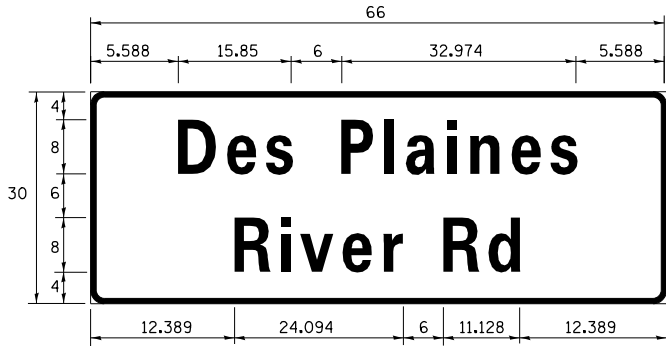
C  
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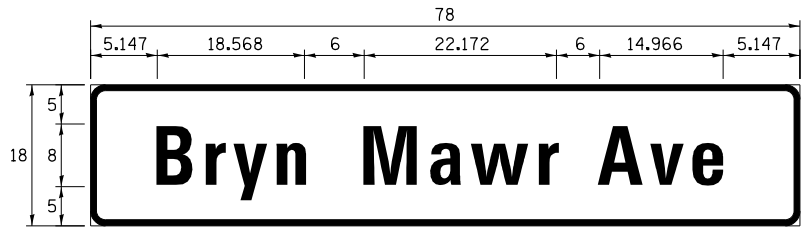
TS SHT NO. 38

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA ( SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|---------------|-----------------|---------------|---------------|
| D             | 13.75         | 2               | ZZ            | 1             |



| DESIGN SERIES | AREA ( SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|---------------|-----------------|---------------|---------------|
| C             | 9.75          | 1               | ZZ            | 1             |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGNS DETAIL.

SCHEDULE OF QUANTITIES

| ITEM                                                               | UNIT  | QUANTITY |
|--------------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                                | SQ FT | 70       |
| SIGN PANEL - TYPE 2                                                | SQ FT | 14       |
| RELOCATE SIGN PANEL - TYPE 1                                       | SQ FT | 27       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                     | FOOT  | 56       |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                        | FOOT  | 598      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                        | FOOT  | 1135     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                        | FOOT  | 238      |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT  | 89       |
| STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.                           | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.                           | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                       | FOOT  | 14       |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                       | FOOT  | 13       |
| DRILL EXISTING HANDHOLE                                            | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED              | EACH  | 5        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED               | EACH  | 4        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED              | EACH  | 4        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                          | EACH  | 20       |
| LIGHT DETECTOR                                                     | EACH  | 4        |
| LIGHT DETECTOR AMPLIFIER                                           | EACH  | 1        |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT                         | EACH  | 1        |
| MODIFY EXISTING CONTROLLER CABINET                                 | EACH  | 1        |
| REMOVE ELECTRIC CABLE FROM CONDUIT                                 | FOOT  | 929      |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                           | EACH  | 1        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C    | FOOT  | 598      |
| UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL                  | EACH  | 1        |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET                       | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)                    | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL TIMING                                    | EACH  | 1        |

|                                                                                                    |                       |               |           |                                                   |                                                                                                                |                                                       |                           |                |                     |                 |
|----------------------------------------------------------------------------------------------------|-----------------------|---------------|-----------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------|----------------|---------------------|-----------------|
| FILE NAME =<br>N:\ROSEMONT\20004\Traffic\High Visibility Backplate_Plans\RIVER-BrynMawr_05.STN.dgn | USER NAME = bgunnells | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES AND<br>MAST ARM MOUNTED STREET NAME SIGN<br>DES PLAINES RIVER ROAD AND BRYN MAWR AVENUE | F.A.U. RTE.<br>1034 &<br>2710                         | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL SHEETS<br>101 | SHEET NO.<br>68 |
|                                                                                                    | PLOT SCALE = 48"      | CHECKED - EAJ | REVISED - |                                                   |                                                                                                                | CONTRACT NO. 61L21                                    |                           |                |                     |                 |
|                                                                                                    | PLOT DATE = 6/20/2025 | DATE -        | REVISED - |                                                   |                                                                                                                | SCALE: NOT TO SCALE                                   | SHEET NO.                 | OF             | SHEETS              | STA. TO STA.    |
|                                                                                                    |                       |               |           |                                                   |                                                                                                                | FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT : |                           |                |                     |                 |



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 IN THE CONTRACT BID PRICE.

**REMOVAL NOTES:**

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 IN THE CONTRACT BID PRICE.

20 EACH TRAFFIC SIGNAL BACKPLATE

**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).

**DES PLAINES RIVER ROAD**

**DES PLAINES RIVER ROAD**

**CTA STATION 52+10**

**SCALE IN FEET**

**0 20 40**

**CONC. WALL**

**EXISTING INTERCONNECT TO DES PLAINES RIVER ROAD/I-190 EB RAMP**

**LANDSCAPE AREA**

**SPARE 4" CONDUIT**

**SUPER P CABINET**

**7'-UC-4"**

**16'-UC-3"**

**33'-E-2"**

**10' POST**

**24' DUAL M.A. & 38' DUAL COMB. M.A.**

**238'-E-1 1/4"**

**62'-E-2"**

**146'-E-(2) 4"**

**70'-E-2"**

**132'-E-1 1/4"**

**132'-E-2"**

**140'-E-1 1/2"**

**28' DUAL M.A. & 60' DUAL COMB. M.A.**

**8'-E-4"**

**118'-E-4"**

**66'-E-2"**

**5'-E-(4) 4"**

**7'-E-4"**

**22'-E-3"**

**10' POST**

**78'-UC-2"**

**153'-E-4"**

**24' DUAL M.A. & 55' DUAL COMB. M.A.**

**13'-E-4"**

**132'-E-1 1/4"**

**70'-E-2"**

**140'-E-1 1/2"**

**28' DUAL M.A. & 60' DUAL COMB. M.A.**

**8'-E-4"**

**118'-E-4"**

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**28' DUAL M.A. & 60' DUAL COMB. M.A.**

**8'-E-4"**

**118'-E-4"**

① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).

**⚠ HIGH VISIBILITY BACKPLATES 04/17/2024**

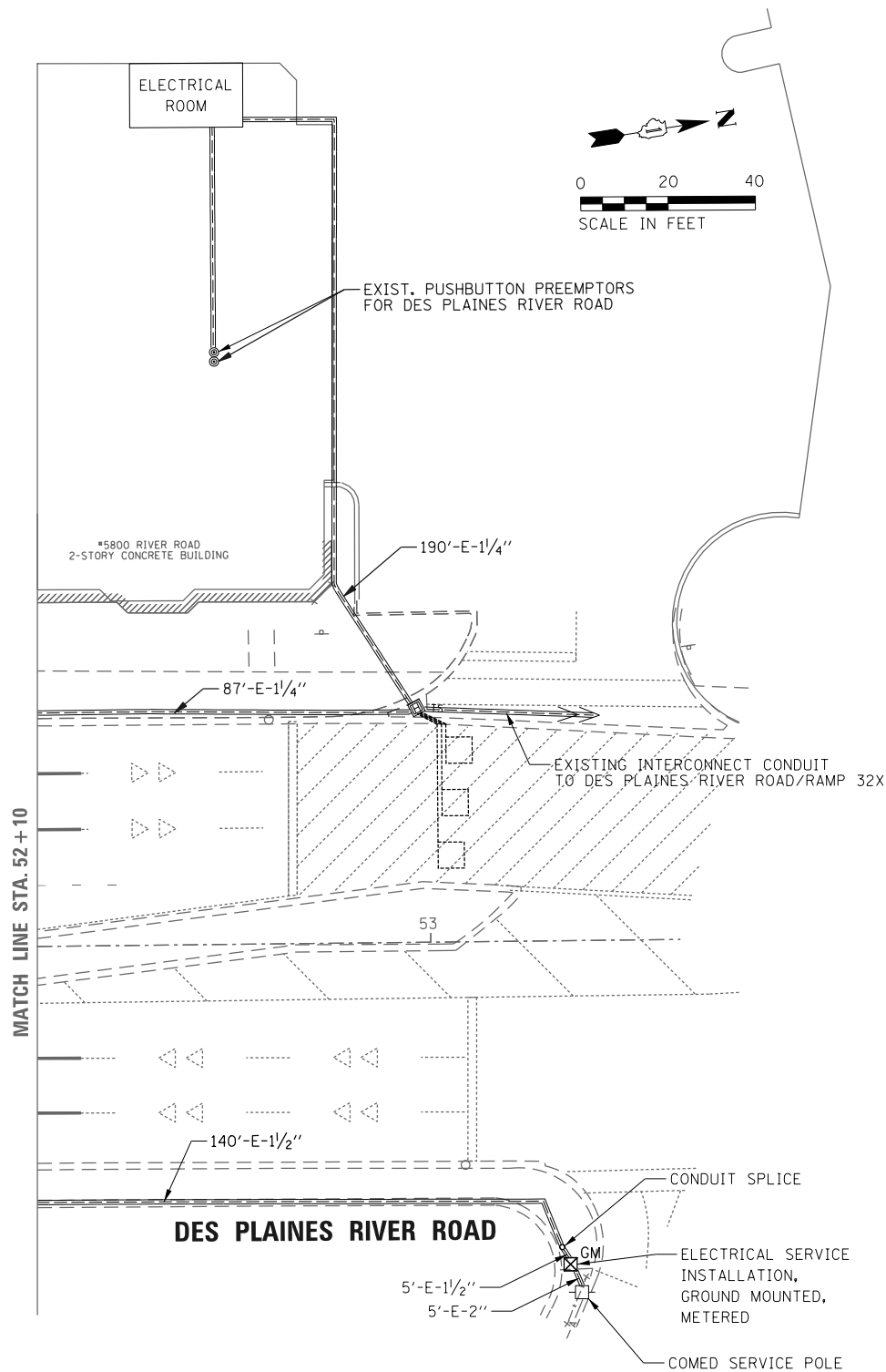
**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

TS # 11215  
ECON # 34

|                                          |                                           |               |           |                                                               |                                                                                                                        |  |  |  |                                  |                           |                                                   |                        |                    |  |
|------------------------------------------|-------------------------------------------|---------------|-----------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------|---------------------------|---------------------------------------------------|------------------------|--------------------|--|
| FILE NAME =                              | USER NAME = bgunnells                     | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | TRAFFIC SIGNAL MODIFICATION PLAN<br>HIGH VISIBILITY BACKPLATES (SHEET 1 OF 2)<br>DESPLAINS RIVER ROAD AND CTA ENTRANCE |  |  |  | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION<br>19-00035-00-SP | COUNTY<br>COOK                                    | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>69 |  |
| N:\ROSEMONT\2000\Traffic\High Visibility | Backplate.Plans\Hvbp.River and CTA.01.MOD | DRAWN - FPB   | REVISED - |                                                               |                                                                                                                        |  |  |  |                                  |                           |                                                   |                        |                    |  |
|                                          | PLOT SCALE = 40'                          | CHECKED - EAJ | REVISED - |                                                               |                                                                                                                        |  |  |  |                                  |                           |                                                   |                        |                    |  |
|                                          | PLOT DATE = 6/20/2025                     | DATE -        | REVISED - |                                                               |                                                                                                                        |  |  |  |                                  |                           |                                                   |                        |                    |  |
|                                          |                                           |               |           |                                                               | SCALE: 1" = 40'                                                                                                        |  |  |  | SHEET NO. OF SHEETS STA. TO STA. |                           | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                        |                    |  |
|                                          |                                           |               |           |                                                               |                                                                                                                        |  |  |  |                                  |                           | CONTRACT NO. 61L21                                |                        |                    |  |

|                                                                                                                                                                                                |    |                  |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------|---------------------|
|  <b>CHRISTOPHER B. BURKE</b><br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 823-0500 |    | ENGINEERING LTD. |                     |
| DATE                                                                                                                                                                                           | BY | PLAN             | SURVEYED<br>PLOTTED |
|                                                                                                                                                                                                |    | NOTE BOOK        | ALIGNMENT CHECKED   |
|                                                                                                                                                                                                |    | NO. _____        | PT. OF WAY CHECKED  |
|                                                                                                                                                                                                |    |                  | CAUD FILE NAME      |

TS SHT NO. 40



 HIGH VISIBILITY BACKPLATES 04/17/2024

**CB** **CHRISTOPHER B. BURKE** ENGINEERING LTD.  
19575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

TS # 11215  
ECON # 34

|                                                                                               |                       |               |           |                                                               |                                                                                                                         |                |           |      |             |                       |          |                    |           |
|-----------------------------------------------------------------------------------------------|-----------------------|---------------|-----------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------|-----------|------|-------------|-----------------------|----------|--------------------|-----------|
| FILE NAME =                                                                                   | USER NAME = bgunnells | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | TRAFFIC SIGNAL MODIFICATION PLAN<br>HIGH VISIBILITY BACKPLATES (SHEET 2 OF 2)<br>DESPLAINES RIVER ROAD AND CTA ENTRANCE |                |           |      | F.A.U. RTE. | SECTION               | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| N:\ROSEMONT\2004\Traffic\High Visibility Backplate Plans\Hvbpr.River and CTA-02.MCDRAWN - FPB |                       | REVISED -     | REVISED - |                                                               | 1034 & 2710                                                                                                             | 19-00035-00-SP | COOK      | 101  | 70          |                       |          |                    |           |
| PLOT SCALE = 40'                                                                              |                       | CHECKED - EAJ | REVISED - |                                                               | CONTRACT NO. 61L21                                                                                                      |                |           |      |             |                       |          |                    |           |
| PLOT DATE = 6/20/2025                                                                         |                       | DATE -        | REVISED - |                                                               |                                                                                                                         |                |           |      |             |                       |          |                    |           |
|                                                                                               |                       |               |           |                                                               | SCALE: 1" = 40'                                                                                                         | SHEET NO.      | OF SHEETS | STA. | TO STA.     | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |           |

BY: DATE: SURVEYED: PLOTTED: CHECKED: BY: DATE: NO.:

PLAN: NOTE BOOK: NO.:

ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

CHB

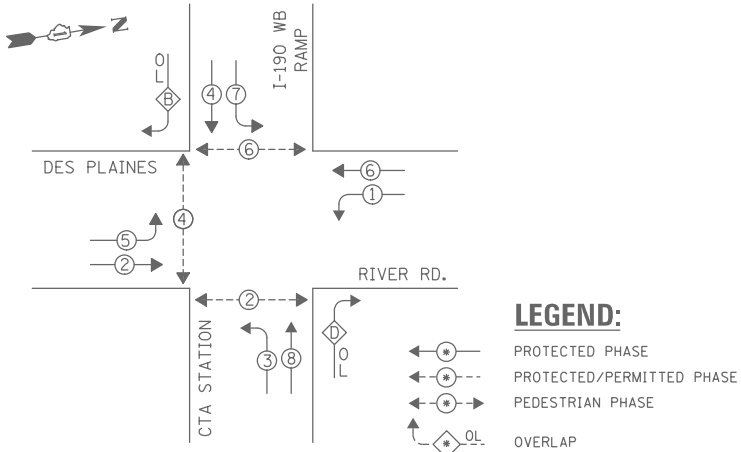
BY: DATE: SURVEYED: PLOTTED: CHECKED: BY: DATE: NO.:

PROFILE: NOTE BOOK: NO.:

STRUCTURE NOTATIONS OK'D

TS SHT NO. 41

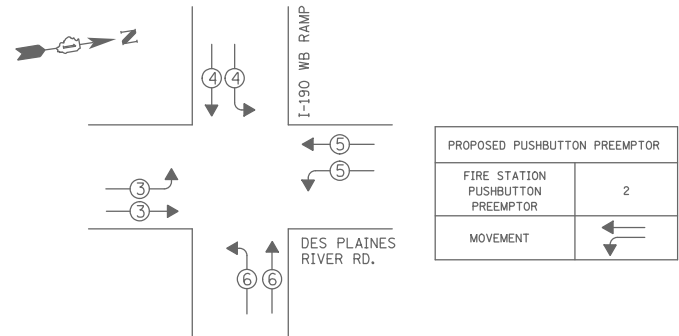
EXISTING CONTROLLER SEQUENCE



RIGHT TURN OVERLAP  
PHASE DESIGNATION

| OVERLAP LETTER |   | PERMISSIVE PHASE |   | PROTECTED PHASE |
|----------------|---|------------------|---|-----------------|
| B              | = | 4                | + | 5               |
| D              | = | 8                | + | 1               |

EXISTING EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

| TYPE             | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)     | 20           | 11          | 50          | 110.0         |
| (YELLOW)         | 20           | 20          | 5           | 20.0          |
| (GREEN)          | 20           | 12          | 45          | 108.0         |
| PERMISSIVE ARROW | 8            | 10          | 10          | 8.0           |
| PED. SIGNAL      | 6            | 20          | 100         | 120.0         |
| CONTROLLER       | 1            | 100         | 100         | 100.0         |
| UPS              | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM     | 1            | 150         | 100         | 150.0         |
| BLANK-OUT SIGN   | -            | 25          | 5           | -             |
| FLASHER          | -            | -           | 50          | -             |
| STREET NAME SIGN | -            | 120         | 50          | -             |
| LUMINAIRE        | 4            | 400         | 50          | 800.0         |
|                  |              |             | TOTAL =     | 1441.0        |

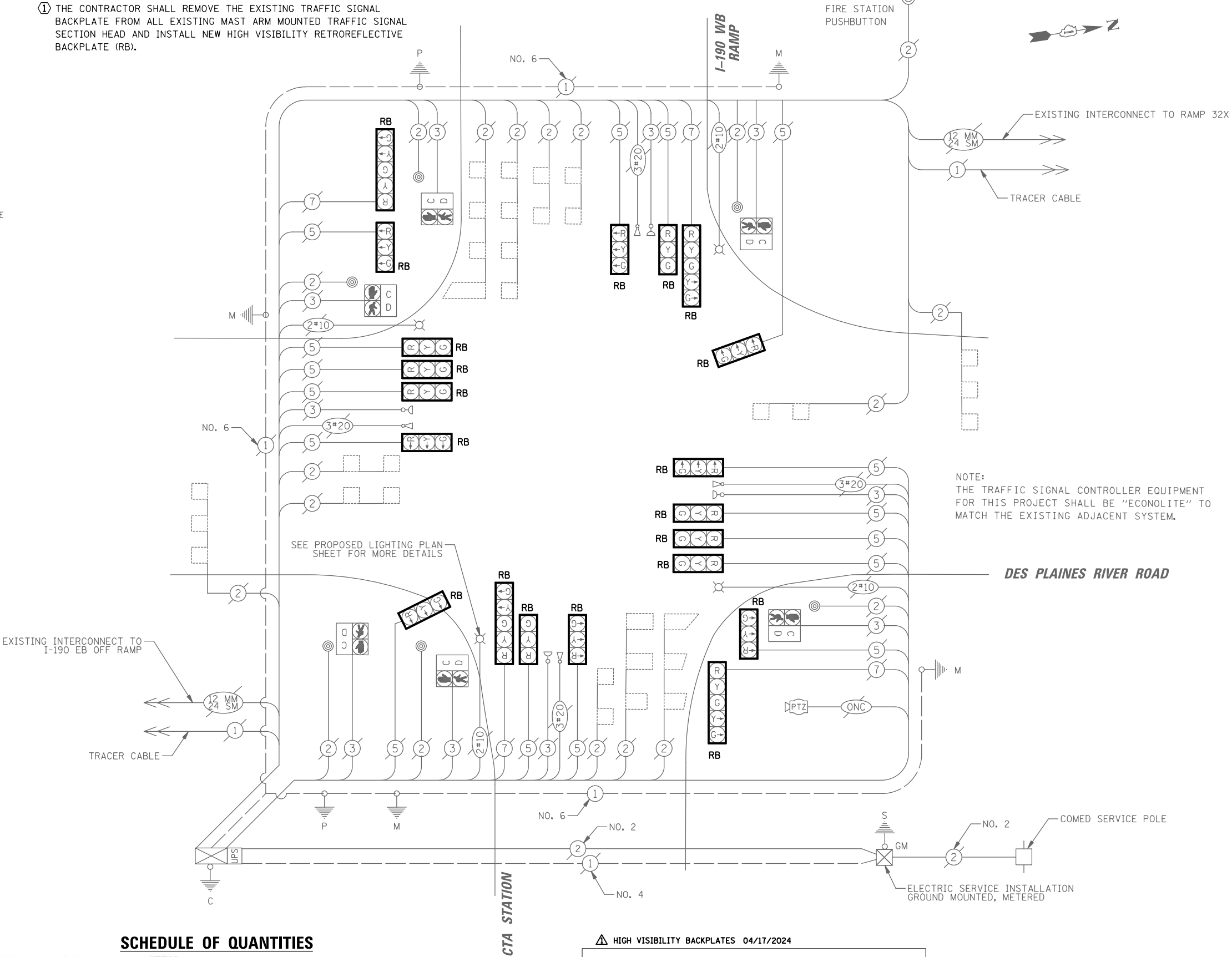
ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: (630) 437-2129  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM ALL EXISTING MAST ARM MOUNTED TRAFFIC SIGNAL SECTION HEAD AND INSTALL NEW HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).



SCHEDULE OF QUANTITIES

| ITEM                                                | UNIT | QUANTITY |
|-----------------------------------------------------|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE           | EACH | 20       |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT            | EACH | 1        |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

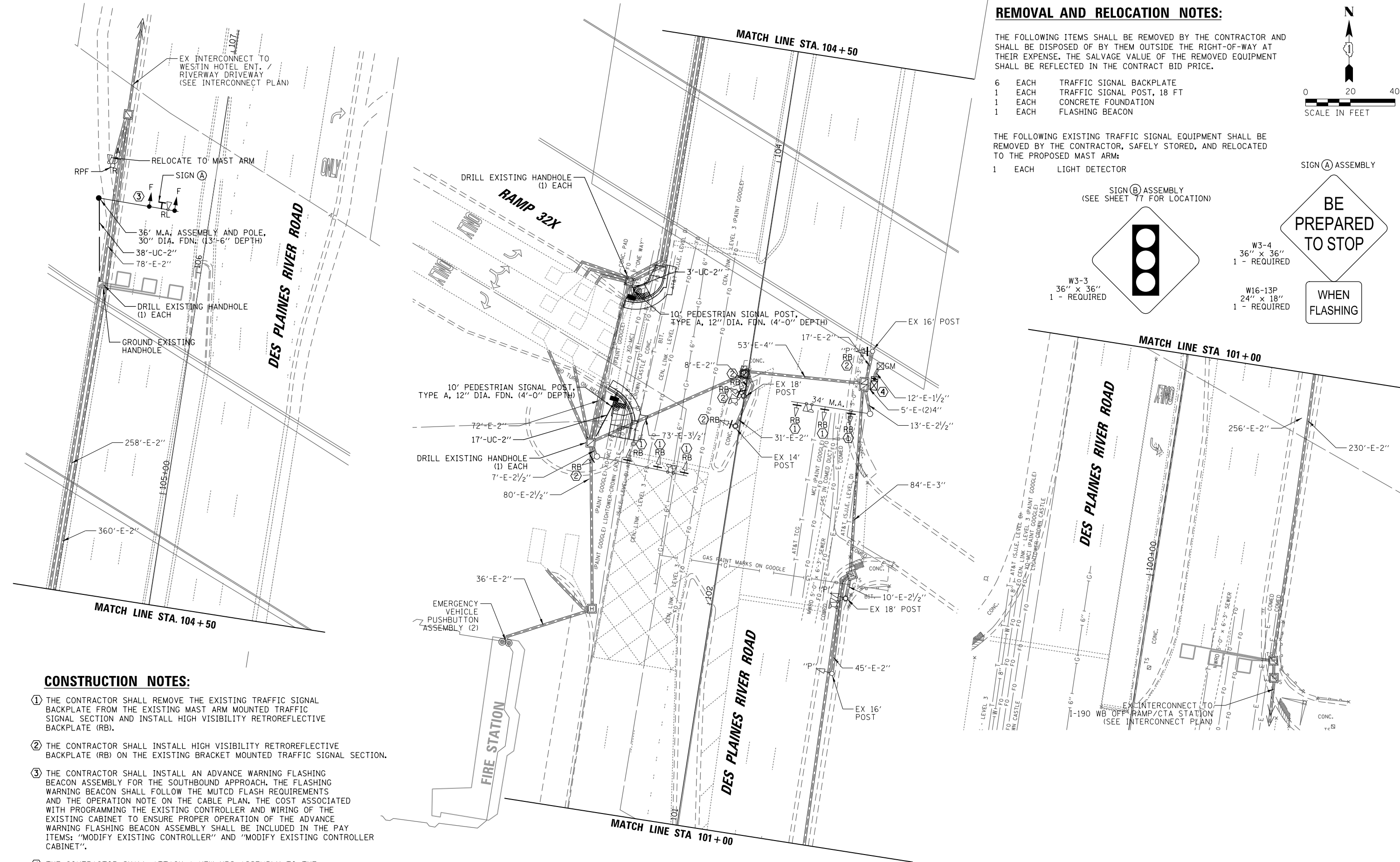
HIGH VISIBILITY BACKPLATES 04/17/2024



CHRISTOPHER B. BURKE ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

TS # 11215  
ECON # 34

|                                                                                    |                       |               |           |                                                   |                                                                                               |  |  |                     |                |                                                   |              |           |
|------------------------------------------------------------------------------------|-----------------------|---------------|-----------|---------------------------------------------------|-----------------------------------------------------------------------------------------------|--|--|---------------------|----------------|---------------------------------------------------|--------------|-----------|
| FILE NAME =                                                                        | USER NAME = bgunnells | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES AND CABLE PLAN<br>DES PLAINES RIVER ROAD AT I-190 WB RAMP /CTA STATION |  |  | F.A.U. RTE.         | SECTION        | COUNTY                                            | TOTAL SHEETS | SHEET NO. |
| N:\ROSEMONT\2004\Traffic\High Visibility Backplate_Plans\Hvbp_River and CTA_03.CAD | DRAWN - FPB           | REVISED -     |           |                                                   |                                                                                               |  |  | 1034 & 2710         | 19-00035-00-SP | COOK                                              | 101          | 71        |
|                                                                                    | PLOT SCALE = 40'      | CHECKED - EAJ | REVISED - |                                                   | CONTRACT NO. 61L21                                                                            |  |  |                     |                |                                                   |              |           |
|                                                                                    | PLOT DATE = 6/20/2025 | DATE -        | REVISED - |                                                   | SCALE: NOT TO SCALE                                                                           |  |  | SHEET NO. OF SHEETS | STA. TO STA.   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |              |           |



CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE EXISTING MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).
- THE CONTRACTOR SHALL INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB) ON THE EXISTING BRACKET MOUNTED TRAFFIC SIGNAL SECTION.
- THE CONTRACTOR SHALL INSTALL AN ADVANCE WARNING FLASHING BEACON ASSEMBLY FOR THE SOUTHBOUND APPROACH. THE FLASHING WARNING BEACON SHALL FOLLOW THE MUTCD FLASH REQUIREMENTS AND THE OPERATION NOTE ON THE CABLE PLAN. THE COST ASSOCIATED WITH PROGRAMMING THE EXISTING CONTROLLER AND WIRING OF THE EXISTING CABINET TO ENSURE PROPER OPERATION OF THE ADVANCE WARNING FLASHING BEACON ASSEMBLY SHALL BE INCLUDED IN THE PAY ITEMS: "MODIFY EXISTING CONTROLLER" AND "MODIFY EXISTING CONTROLLER CABINET".
- THE CONTRACTOR SHALL ATTACH A NEW UPS ASSEMBLY TO THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET.

REMOVAL AND RELOCATION NOTES:

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 IN THE CONTRACT BID PRICE.

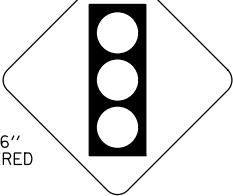
- |   |      |                            |
|---|------|----------------------------|
| 6 | EACH | TRAFFIC SIGNAL BACKPLATE   |
| 1 | EACH | TRAFFIC SIGNAL POST, 18 FT |
| 1 | EACH | CONCRETE FOUNDATION        |
| 1 | EACH | FLASHING BEACON            |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARM:

- |   |      |                |
|---|------|----------------|
| 1 | EACH | LIGHT DETECTOR |
|---|------|----------------|

SIGN (B) ASSEMBLY  
(SEE SHEET 77 FOR LOCATION)

W3-3  
36" x 36"  
1 - REQUIRED



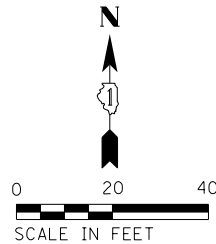
W3-4  
36" x 36"  
1 - REQUIRED

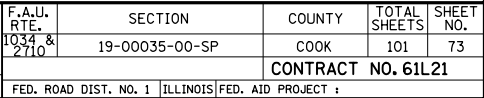
W16-13P  
24" x 18"  
1 - REQUIRED

SIGN (A) ASSEMBLY



WHEN  
FLASHING



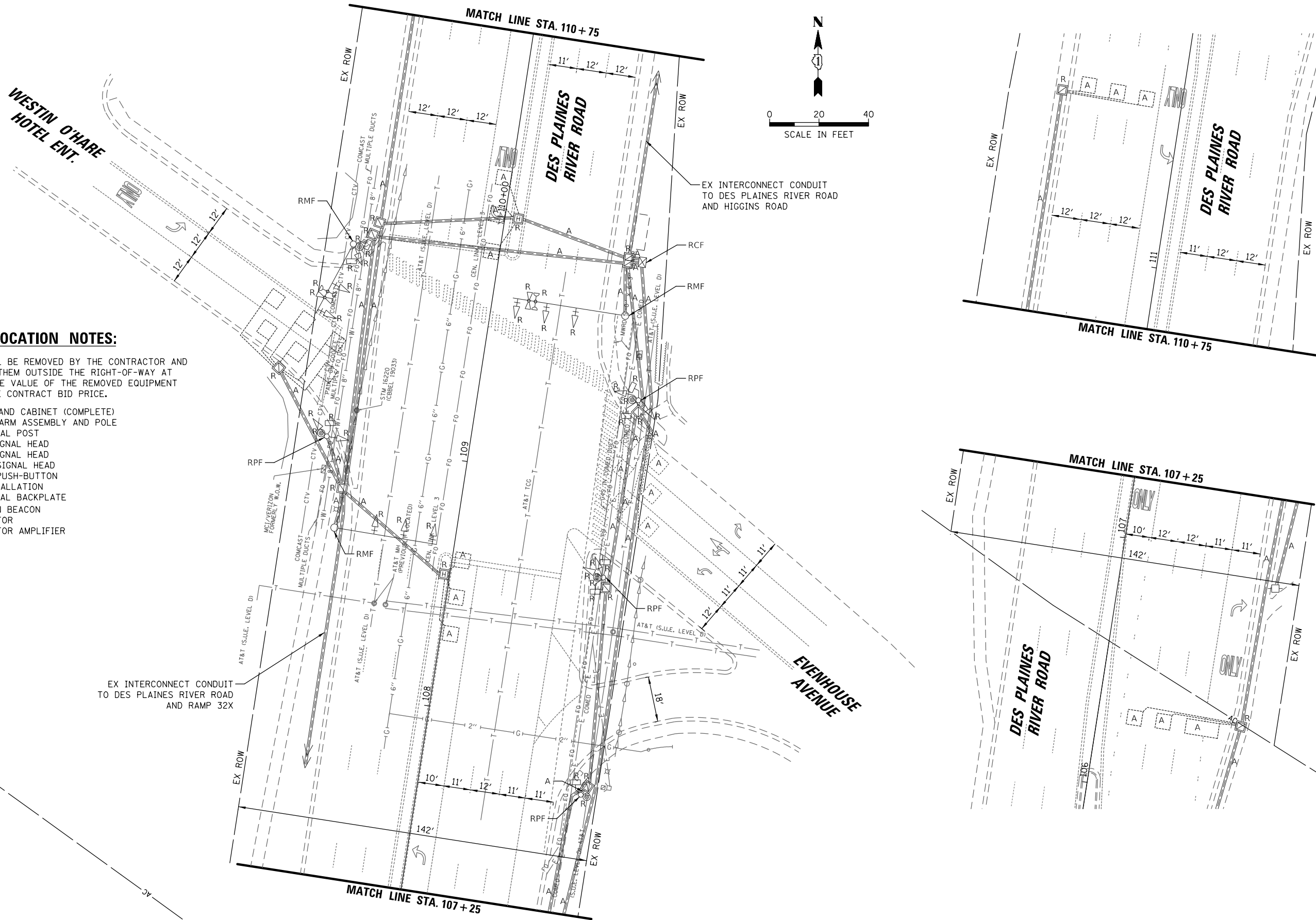




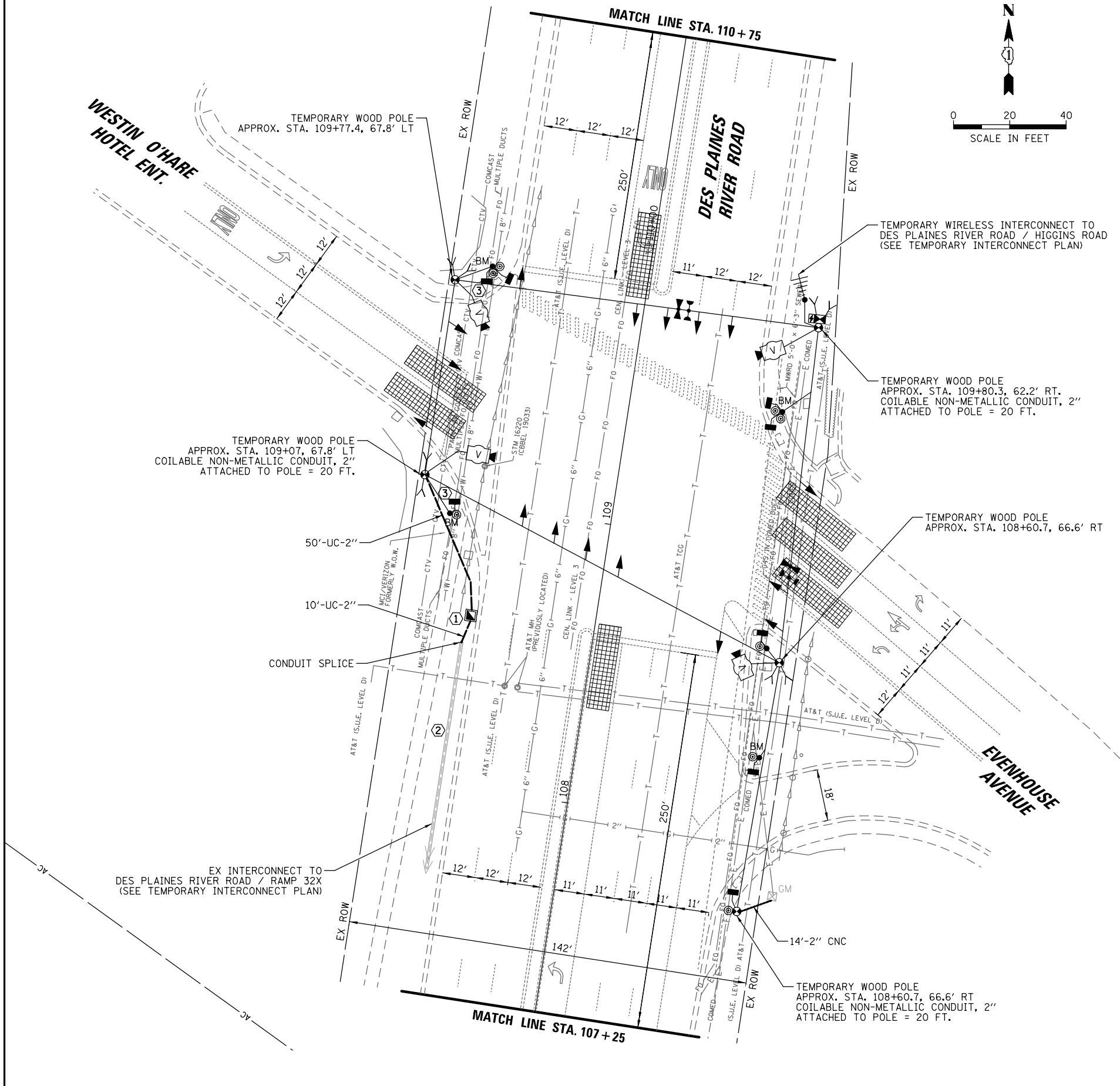
**REMOVAL AND RELOCATION NOTES:**

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 IN THE CONTRACT BID PRICE.

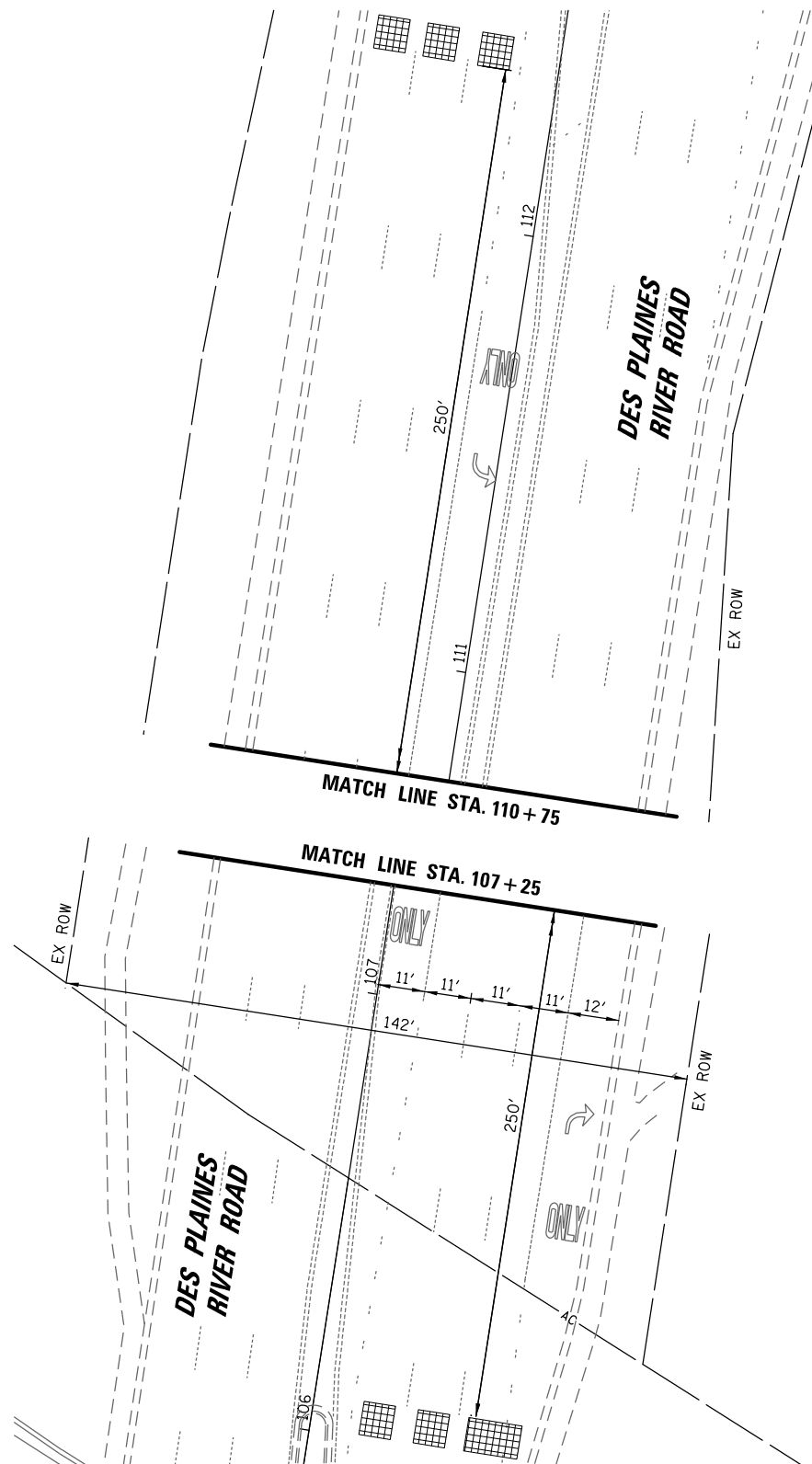
- |    |      |                                   |
|----|------|-----------------------------------|
| 1  | EACH | CONTROLLER AND CABINET (COMPLETE) |
| 3  | EACH | STEEL MAST ARM ASSEMBLY AND POLE  |
| 4  | EACH | TRAFFIC SIGNAL POST               |
| 6  | EACH | 3-SECTION SIGNAL HEAD             |
| 10 | EACH | 5-SECTION SIGNAL HEAD             |
| 8  | EACH | PEDESTRIAN SIGNAL HEAD            |
| 5  | EACH | PEDESTRIAN PUSH-BUTTON            |
| 1  | EACH | SERVICE INSTALLATION              |
| 8  | EACH | TRAFFIC SIGNAL BACKPLATE          |
| 2  | EACH | CONFIRMATION BEACON               |
| 2  | EACH | LIGHT DETECTOR                    |
| 1  | EACH | LIGHT DETECTOR AMPLIFIER          |



|                                           |                                         |               |           |                                                   |                                                                                                                          |                |           |      |                |                       |          |                    |              |
|-------------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|-----------|------|----------------|-----------------------|----------|--------------------|--------------|
| FILE NAME =                               | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN<br>DES PLAINES RIVER ROAD AND<br>WESTIN HOTEL ENTRANCE / EVENHOUSE AVENUE |                |           |      | F.A.U.<br>RTE. | SECTION               | COUNTY   | TOTAL<br>SHEETS    | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-Westin_01.REM.dgn | DRAWN - FPB   | REVISED - |                                                   | 1034 &<br>2110                                                                                                           | 19-00035-00-SP | COOK      | 101  | 74             |                       |          |                    |              |
|                                           | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                   | CONTRACT NO. 61L21                                                                                                       |                |           |      |                |                       |          |                    |              |
|                                           | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                   | SCALE: 1" = 40'                                                                                                          | SHEET NO.      | OF SHEETS | STA. | TO STA.        | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |              |

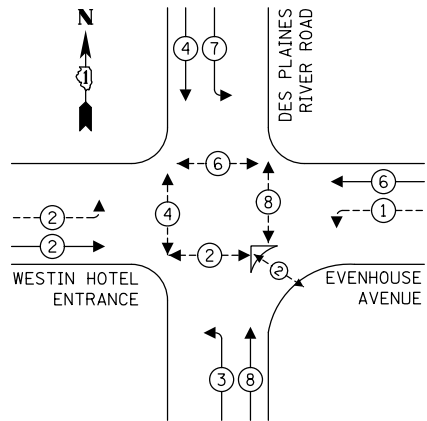


- ## **CONSTRUCTION NOTES:**
- ①** THE CONTRACTOR SHALL SPLICE THE EXISTING CONDUIT IN THE SOUTHWEST QUADRANT AND INSTALL NEW CONDUIT TO THE PROPOSED HANDHOLE. THE CONTRACTOR SHALL COIL THE EXISTING FIBER OPTIC CABLE IN AN ADJACENT HANDHOLE BEFOREHAND TO ENSURE SUFFICIENT CABLE LENGTH FOR SPLICING. THE CABLE SPLICE SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED TO THE WOOD POLE. THE FIBER OPTIC CABLE SHALL BE FUSION SPLICED. THE PROPOSED HANDHOLE AND CONDUIT CONNECTION WILL REMAIN IN USE FOR THE TEMPORARY TRAFFIC SIGNAL AND THE PERMANENT TRAFFIC SIGNAL. THE COSTS ASSOCIATED WITH PROVIDING TEMPORARY TRAFFIC SIGNAL INTERCONNECT SHALL BE INCLUDED IN THE UNIT COST OF PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - ②** EXISTING CONDUIT RUNS FOR THE SB INTERCONNECT WILL BE RE-USED FOR THE PERMANENT TRAFFIC SIGNAL INSTALLATION.
  - ③** PUSHBUTTONS AND PEDESTRIAN SIGNAL HEADS FOR THE WEST APPROACH CROSSING SHALL BE BAGGED AND DISABLED UNTIL THE WEST APPROACH CROSSING IS COMPLETE.



|                                           |                                         |               |           |                                                                      |                                                                                                                                                 |           |           |      |             |                                                   |                |              |           |    |
|-------------------------------------------|-----------------------------------------|---------------|-----------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------|-------------|---------------------------------------------------|----------------|--------------|-----------|----|
| FILE NAME =                               | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div> | <div>TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN</div> <div>DES PLAINES RIVER ROAD AND</div> <div>WESTIN HOTEL ENTRANCE / EVENHOUSE AVENUE</div> |           |           |      | F.A.U. RTE. | SECTION                                           | COUNTY         | TOTAL SHEETS | SHEET NO. |    |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-Westin_02.TMP.dgn | DRAWN - FPB   | REVISED - |                                                                      | SCALE: 1" = 40'                                                                                                                                 | SHEET NO. | OF SHEETS | STA. | TO STA.     | 1034 & 2110                                       | 19-00035-00-SP | COOK         | 101       | 75 |
|                                           | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                                      |                                                                                                                                                 |           |           |      |             | CONTRACT NO. 61L21                                |                |              |           |    |
|                                           | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                                      |                                                                                                                                                 |           |           |      |             | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                |              |           |    |

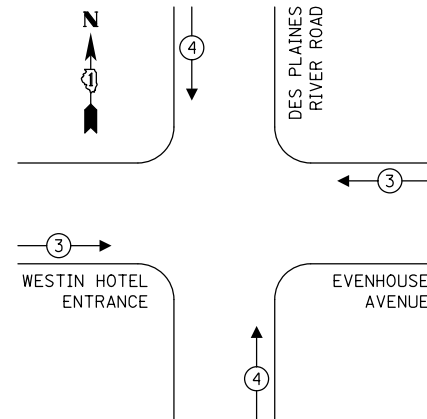
## TEMPORARY CONTROLLER SEQUENCE



**LEGEND:**

-  PROTECTED PHASE  
 PROTECTED/PERMITTED PHASE  
 PEDESTRIAN PHASE  
 OL OVERLAP

## TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE             | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)     | 12           | 11          | 50          | 66.0          |
| (YELLOW)         | 12           | 20          | 5           | 12.0          |
| (GREEN)          | 12           | 12          | 45          | 64.8          |
| PERMISSIVE ARROW | 8            | 10          | 10          | 8.0           |
| PED. SIGNAL      | 8            | 20          | 100         | 160.0         |
| CONTROLLER       | 1            | 100         | 100         | 100.0         |
| UPS              | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM     | 1            | 150         | 100         | 150.0         |
| BLANK-OUT SIGN   | -            | 25          | 5           | -             |
| FLASHER          | -            | -           | 50          | -             |
| STREET NAME SIGN | -            | 120         | 50          | -             |
| LUMINAIRE        | -            | -           | -           | -             |
|                  |              |             | TOTAL =     | 585.8         |

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

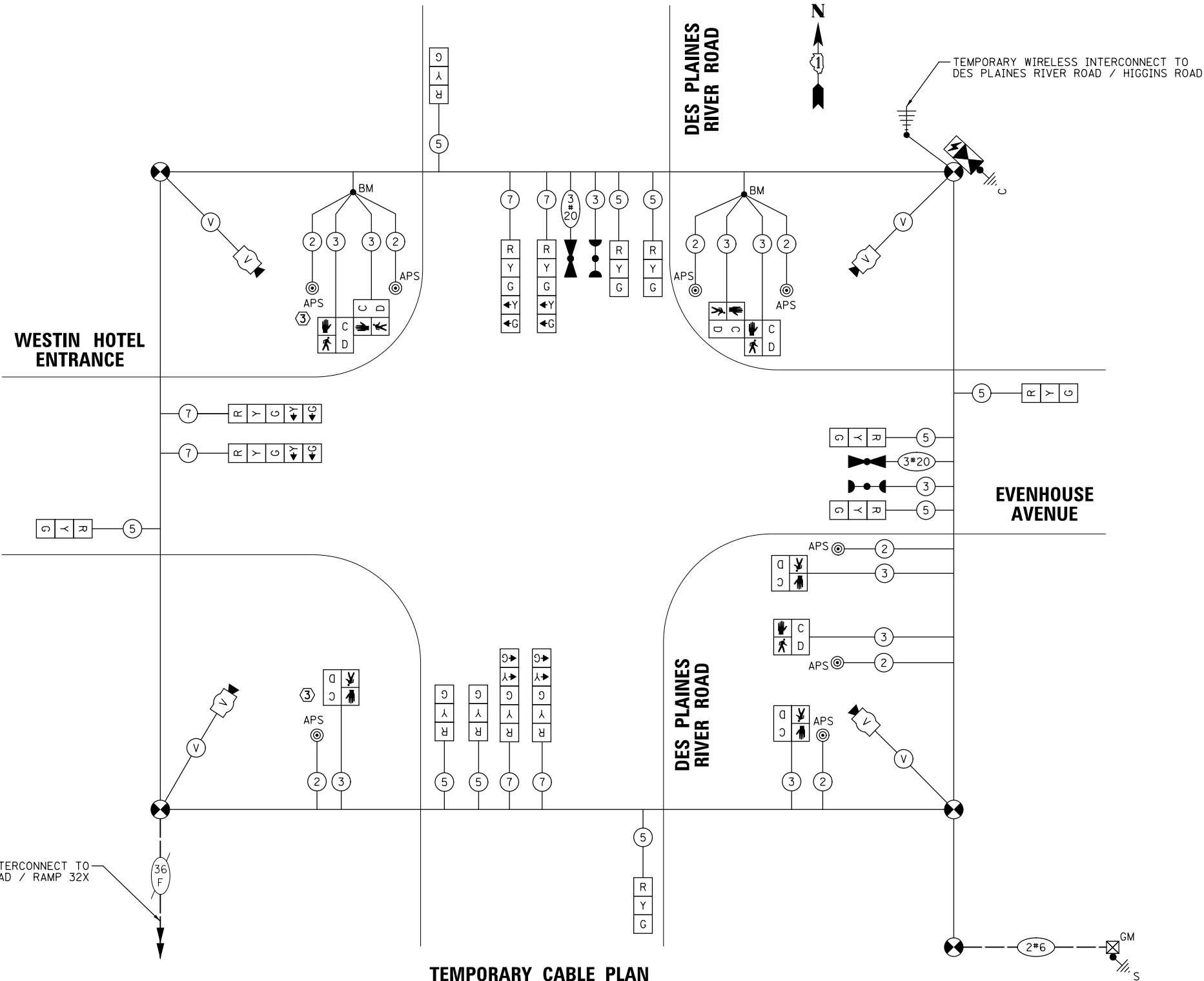
|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| FILE NAME =                               | USER NAME = bgunnells                   |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate_Plans\RIVER-Westin_03.TCB.dgn |
|                                           | PLOT SCALE = 40'                        |
|                                           | PLOT DATE = 6/20/2025                   |

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL SPLICE THE EXISTING CONDUIT IN THE SOUTHWEST QUADRANT AND INSTALL NEW CONDUIT TO THE PROPOSED HANDHOLE. THE CONTRACTOR SHALL COIL THE EXISTING FIBER OPTIC CABLE IN AN ADJACENT HANDHOLE BEFOREHAND TO ENSURE SUFFICIENT CABLE LENGTH FOR SPLICING. THE CABLE SPLICE SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED TO THE WOOD POLE. THE FIBER OPTIC CABLE SHALL BE FUSION SPLICED. THE PROPOSED HANDHOLE AND CONDUIT CONNECTION WILL REMAIN IN USE FOR THE TEMPORARY TRAFFIC SIGNAL AND THE PERMANENT TRAFFIC SIGNAL. THE COSTS ASSOCIATED WITH PROVIDING TEMPORARY TRAFFIC SIGNAL INTERCONNECT SHALL BE INCLUDED IN THE UNIT COST OF PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- ② EXISTING CONDUIT RUNS FOR THE SB INTERCONNECT WILL BE RE-USED FOR THE PERMANENT TRAFFIC SIGNAL INSTALLATION.
- ③ PUSHBUTTONS AND PEDESTRIAN SIGNAL HEADS FOR THE WEST APPROACH CROSSING SHALL BE BAGGED AND DISABLED UNTIL THE WEST APPROACH CROSSING IS COMPLETE.

## TEMPORARY CABLE PLAN

(NOT TO SCALE)



**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DES PLAINES RIVER RD AND WESTIN HOTEL ENT / EVENHOUSE AVE**

|                 |           |    |        |      |         |
|-----------------|-----------|----|--------|------|---------|
| SCALE: 1" = 40' | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|-----------------|-----------|----|--------|------|---------|

|                       |                |                           |                 |              |
|-----------------------|----------------|---------------------------|-----------------|--------------|
| F.A.U.<br>RTE.        | SECTION        | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1034 &<br>2710        | 19-00035-00-SP | COOK                      | 101             | 76           |
|                       |                | <b>CONTRACT NO. 61L21</b> |                 |              |
| FED. ROAD DIST. NO. 1 | ILLINOIS       | FED. AID PROJECT :        |                 |              |

|                       |          |                    |
|-----------------------|----------|--------------------|
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |
|-----------------------|----------|--------------------|

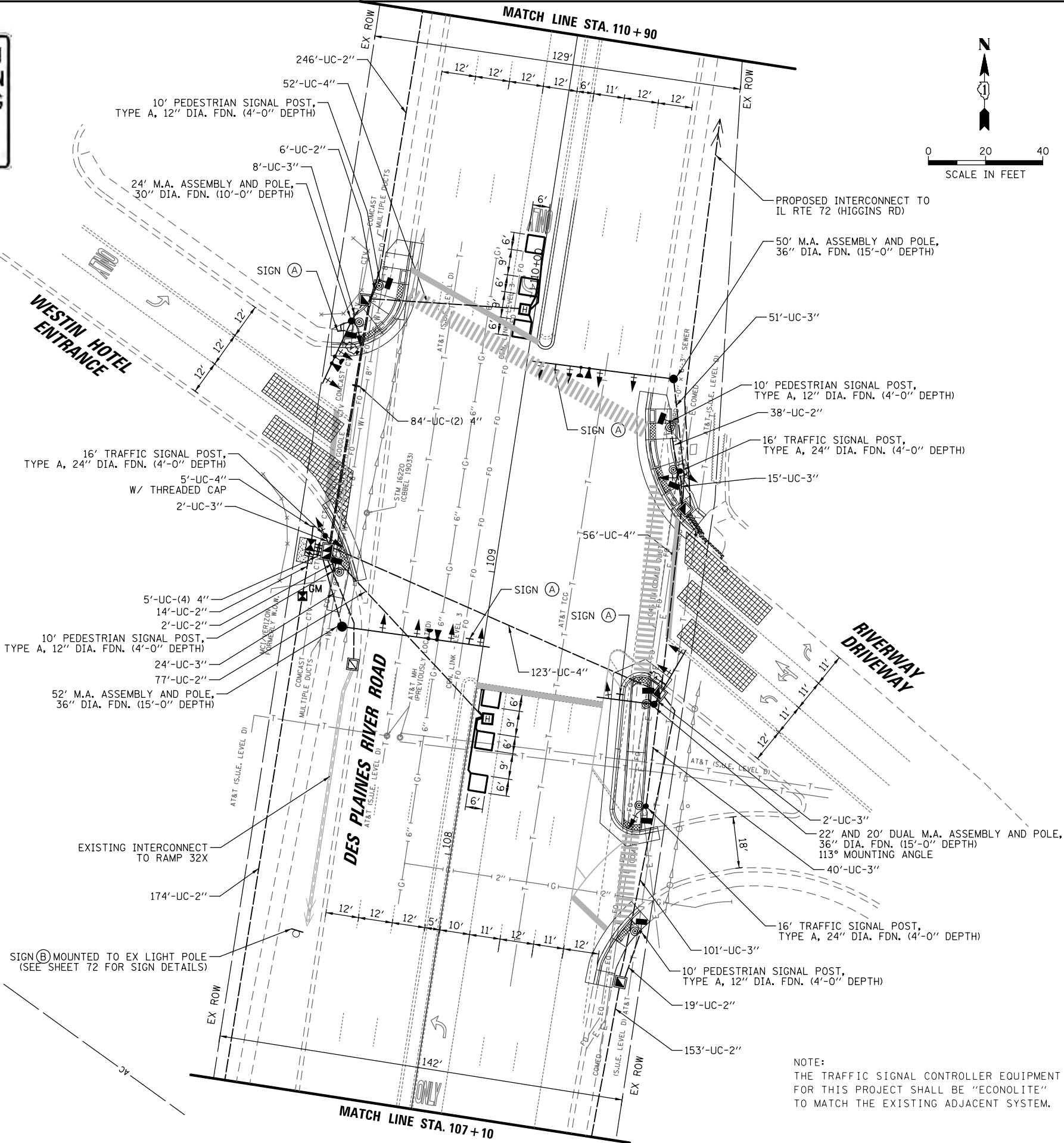
|           |                          |  |    |      |                                                                                                                                                                                                                      |      |                    |  |    |      |
|-----------|--------------------------|--|----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|--|----|------|
| PROFILE   |                          |  | BY | DATE |  <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING LTD.<br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 823-0500 | PLAN | SURVEYED           |  | BY | DATE |
|           | SURVEYED                 |  |    |      |                                                                                                                                                                                                                      |      | PLOTTED            |  |    |      |
|           | PLOTTED                  |  |    |      |                                                                                                                                                                                                                      |      | NOTE BOOK          |  |    |      |
|           | GRADE CHECKED            |  |    |      |                                                                                                                                                                                                                      |      | RT. OF WAY CHECKED |  |    |      |
| NOTE BOOK | S.M. NOTED               |  |    |      |                                                                                                                                                                                                                      |      |                    |  |    |      |
| NO. _____ | STRUCTURE NOTATIONS OK'D |  |    |      |                                                                                                                                                                                                                      |      |                    |  |    |      |

TS SHT NO. 47

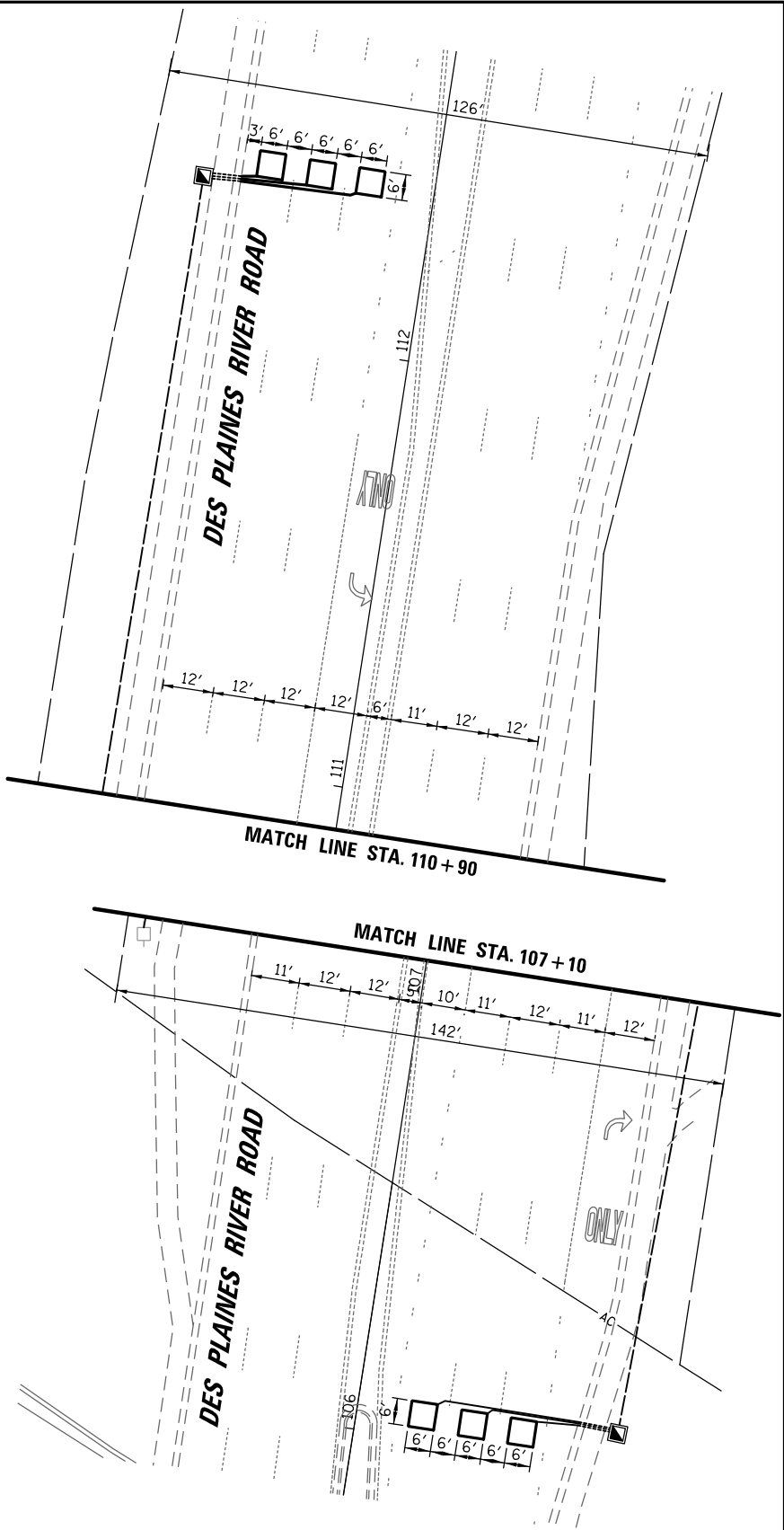
SIGN (A)

LEFT TURN  
YIELD ON  
FLASHING  
YELLOW  
ARROW

R10-12A  
30" x 36"  
4 - REQUIRED

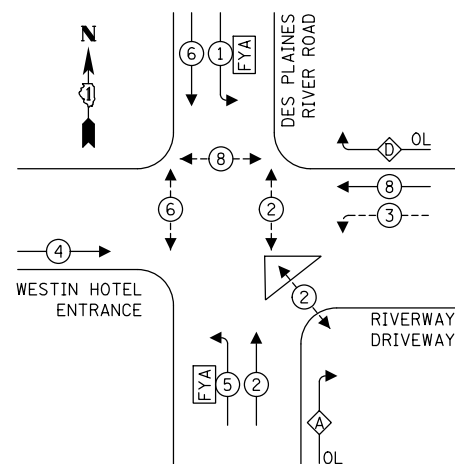


NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS PROJECT SHALL BE "ECONOLITE"  
TO MATCH THE EXISTING ADJACENT SYSTEM.



|                                          |                                         |               |           |                                                   |                                                                                                                          |                 |           |    |        |      |         |                                                   |         |        |                 |              |
|------------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|----|--------|------|---------|---------------------------------------------------|---------|--------|-----------------|--------------|
| FILE NAME =                              | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL INSTALLATION MODERNIZATION PLAN<br>DES PLAINES RIVER ROAD AND<br>WESTIN HOTEL ENTRANCE / EVENHOUSE AVENUE | SCALE: 1" = 40' | SHEET NO. | OF | SHEETS | STA. | TO STA. | F.A.U.<br>RTE.<br>1034 &<br>2710                  | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| N:\ROSEMONT\20004\Traffic\High Visibilit | Backplate.Plans\RIVER-Westin_04.MDD.dgn | DRAWN - FPB   | REVISED - |                                                   |                                                                                                                          |                 |           |    |        |      |         | 19-00035-00-SP                                    | COOK    | 101    | 77              |              |
|                                          | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                   |                                                                                                                          |                 |           |    |        |      |         | CONTRACT NO. 61L21                                |         |        |                 |              |
|                                          | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                   |                                                                                                                          |                 |           |    |        |      |         | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |         |        |                 |              |

### PROPOSED CONTROLLER SEQUENCE



**LEGEND:**

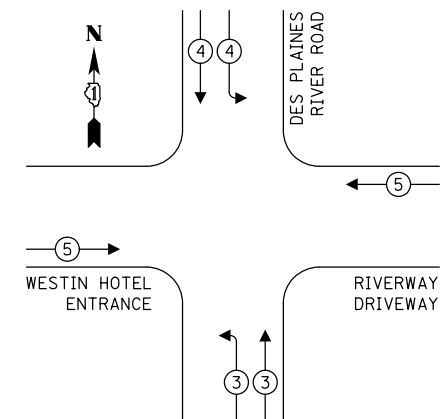
-  PROTECTED PHASE  
 PROTECTED/PERMITTED PHASE  
 PEDESTRIAN PHASE  
 OL OVERLAP

## RIGHT TURN OVERLAP

**PHASE DESIGNATION:**

| OVERLAP<br>LETTER |   | PERMISSIVE<br>PHASE |   | PROTECTED<br>PHASE |
|-------------------|---|---------------------|---|--------------------|
| A                 | = | 2                   | + | 3                  |
| D                 | = | 8                   | + | 1                  |

## PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



## TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

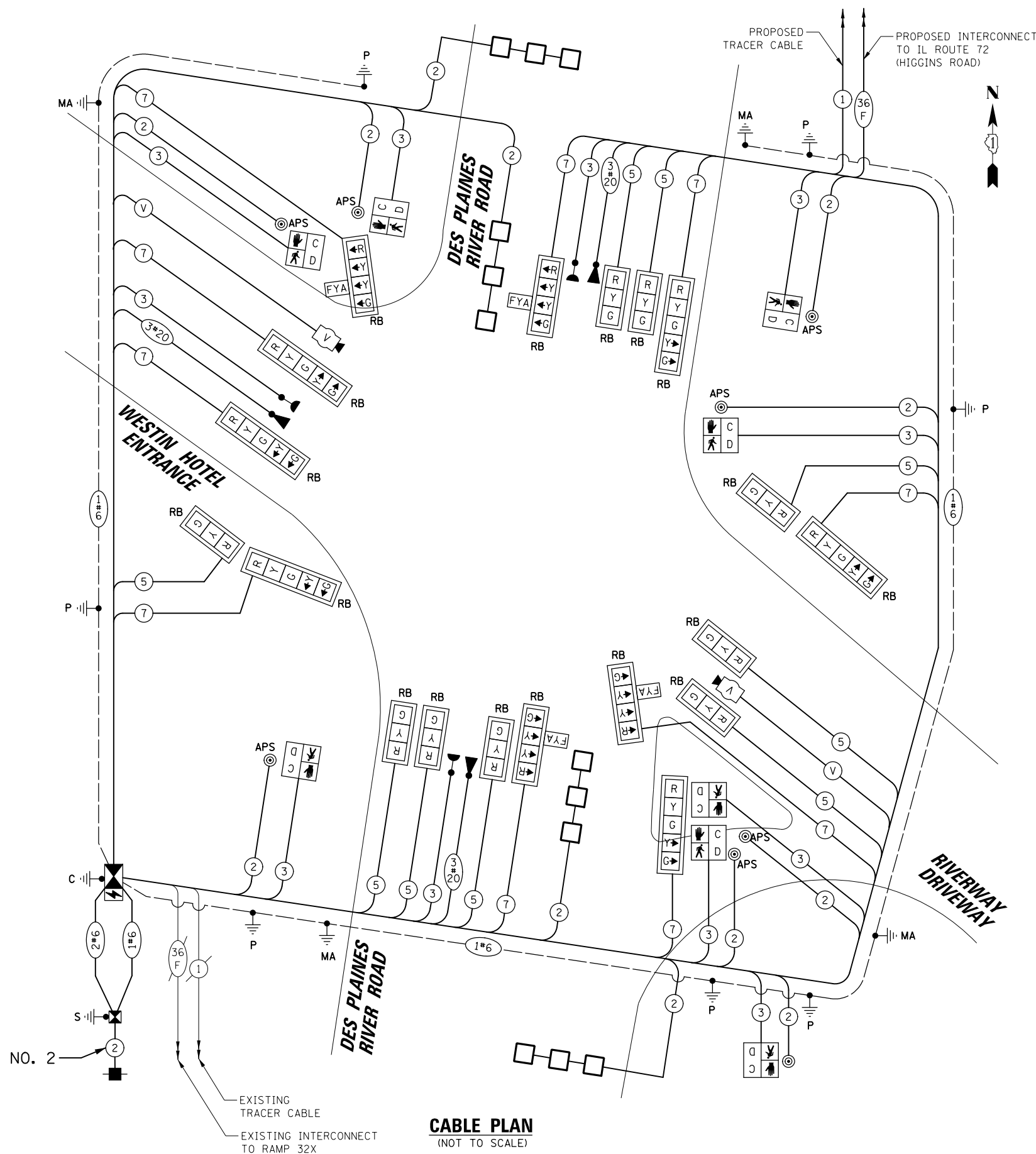
| TYPE              | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|-------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED)      | 15           | 11          | 50          | 82.5          |
| (YELLOW)          | 15           | 20          | 5           | 15.0          |
| (GREEN)           | 15           | 12          | 45          | 81.0          |
| SOLID ARROW (RED) | 4            | 10          | 50          | 20.0          |
| (GREEN & YELLOW)  | 20           | 10          | 10          | 20.0          |
| FLASHING ARROW    | 4            | 10          | 5           | 2.0           |
| PED. SIGNAL       | 8            | 20          | 100         | 160.0         |
| CONTROLLER        | 1            | 100         | 100         | 100.0         |
| UPS               | 1            | 25          | 100         | 25.0          |
| VIDEO SYSTEM      | 1            | 150         | 100         | 150.0         |
| BLANK-OUT SIGN    | -            | 25          | 5           | -             |
| FLASHER           | -            | -           | 50          | -             |
| STREET NAME SIGN  | -            | 120         | 50          | -             |
| LUMINAIRE         | -            | 250         | 50          | -             |
|                   |              |             | TOTAL =     | 655.5         |

ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVE.  
ROSEMONT, IL 60018

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: \_\_\_\_\_  
ACCOUNT NUMBER: ---

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS PROJECT SHALL BE "ECONOLITE"  
TO MATCH THE EXISTING ADJACENT SYSTEM.



### **CABLE PLAN**

(NOT TO SCALE)

|                                           |                                         |               |           |                                                               |                                                                                                                                                                         |                     |              |                                                     |                           |                |                        |                    |
|-------------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------|-----------------------------------------------------|---------------------------|----------------|------------------------|--------------------|
| FILE NAME =                               | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION<br>DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE<br>DES PLAINES RIVER RD AND WESTIN HOTEL ENT / EVENHOUSE AVE |                     |              | F.A.U.<br>RTE.<br>1034 &<br>2710                    | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>78 |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate_Plans\RIVER-Westin_05_CAB.dgn | DRAWN - FPB   | REVISED - |                                                               |                                                                                                                                                                         |                     |              |                                                     |                           |                |                        |                    |
|                                           | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                               |                                                                                                                                                                         |                     |              |                                                     |                           |                |                        |                    |
|                                           | DATE = 6/20/2025                        | DATE -        | REVISED - |                                                               |                                                                                                                                                                         |                     |              |                                                     |                           |                |                        |                    |
|                                           |                                         |               |           |                                                               | SCALE: 1" = 40'                                                                                                                                                         | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS / FED. AID PROJECT : |                           |                |                        |                    |
|                                           |                                         |               |           |                                                               |                                                                                                                                                                         |                     |              | CONTRACT NO. 61L21                                  |                           |                |                        |                    |



PROFILE

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

PLAN

NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

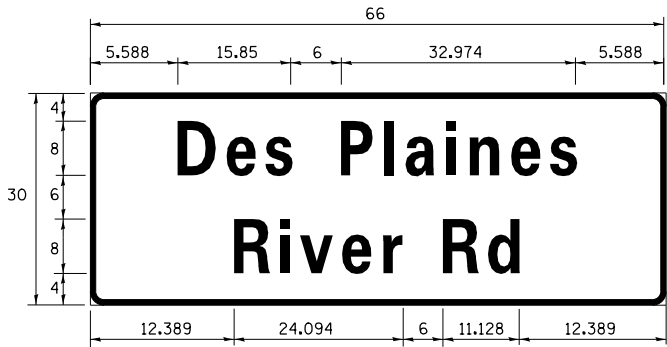
C  
B  
E

DESIGNED - BG  
DRAWN - FFB  
CHECKED - EAJ  
DATE - 6/20/2025

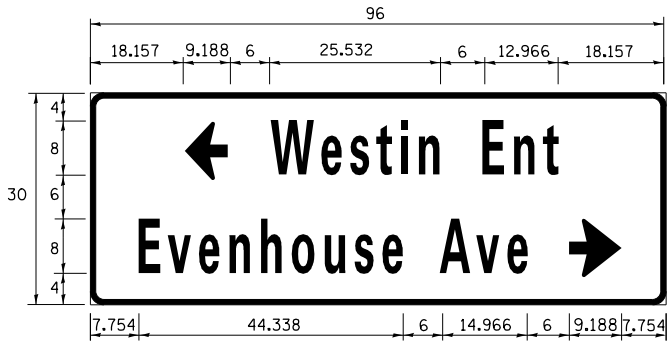
TS SHT NO. 49

SIGN PANEL – TYPE 1 OR TYPE 2

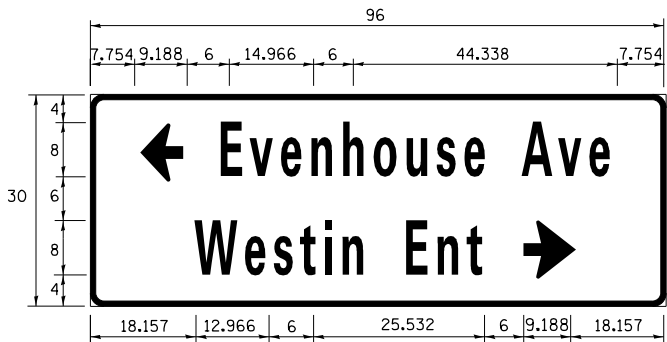
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 13.75        | 2               | ZZ            | 2             |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| C             | 20.0         | 2               | ZZ            | 1             |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| C             | 20.0         | 2               | ZZ            | 1             |

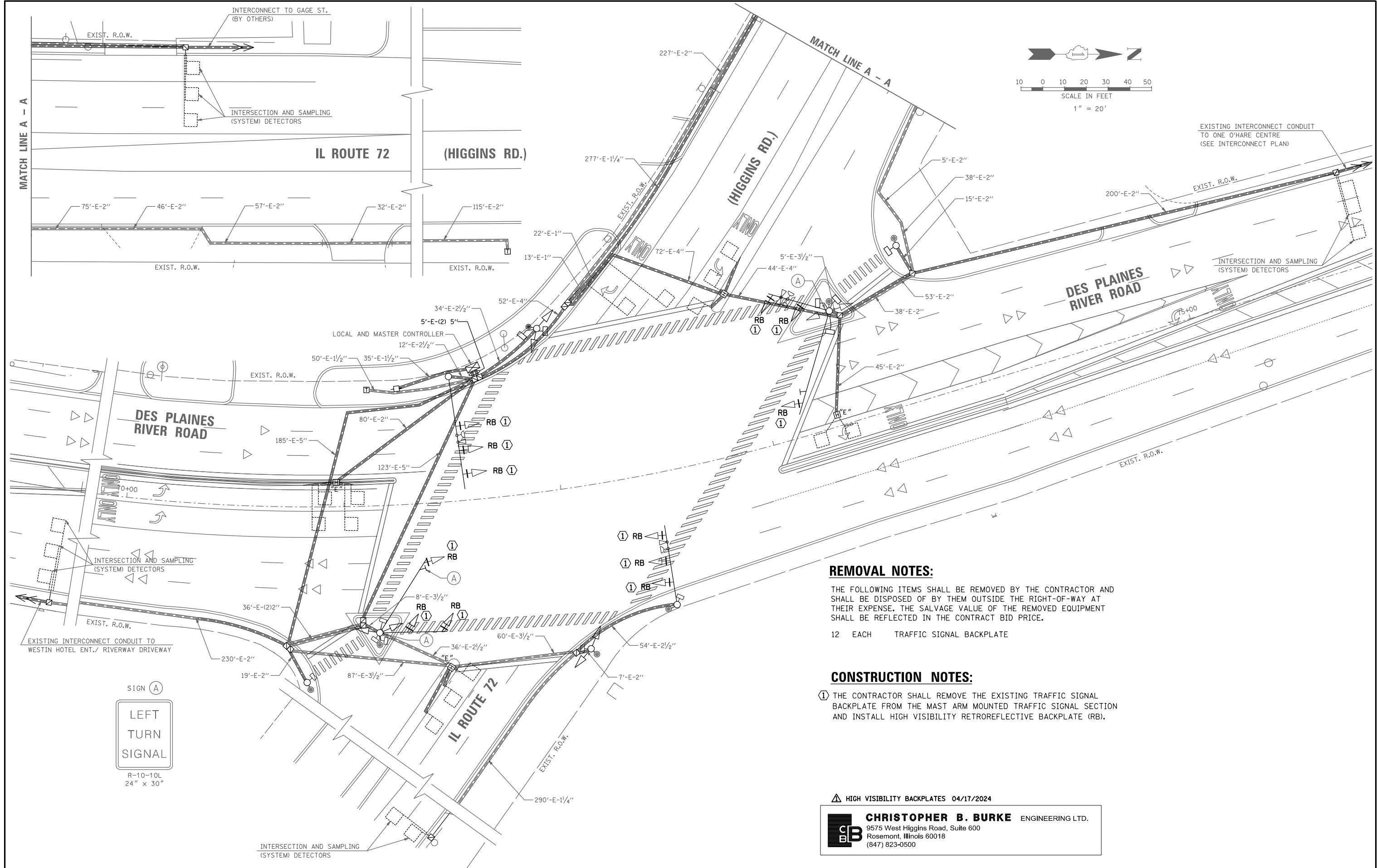
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGN DETAIL.

SCHEDULE OF QUANTITIES

| ITEM                                                                      | UNIT  | QUANTITY |
|---------------------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                                       | SQ FT | 30       |
| SIGN PANEL - TYPE 2                                                       | SQ FT | 68       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.                            | FOOT  | 720      |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                            | FOOT  | 282      |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.                            | FOOT  | 475      |
| HANDHOLE                                                                  | EACH  | 6        |
| HEAVY-DUTY HANDHOLE                                                       | EACH  | 2        |
| DOUBLE HANDHOLE                                                           | EACH  | 1        |
| TRANSCEIVER - FIBER OPTIC                                                 | EACH  | 1        |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                               | FOOT  | 1436     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                               | FOOT  | 2285     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                               | FOOT  | 1584     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                               | FOOT  | 1990     |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                         | FOOT  | 1063     |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C                             | FOOT  | 208      |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C        | FOOT  | 2056     |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                              | EACH  | 3        |
| STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 20 FT.   | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE A                                               | FOOT  | 16       |
| CONCRETE FOUNDATION, TYPE C                                               | FOOT  | 4        |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                              | FOOT  | 1        |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                              | FOOT  | 3        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED                     | EACH  | 7        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED                      | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED                      | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED                     | EACH  | 3        |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED                      | EACH  | 2        |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED                     | EACH  | 4        |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH  | 8        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                                 | EACH  | 19       |
| INDUCTIVE LOOP DETECTOR                                                   | EACH  | 12       |
| DETECTOR LOOP, TYPE I                                                     | FOOT  | 1010     |
| LIGHT DETECTOR                                                            | EACH  | 3        |
| LIGHT DETECTOR AMPLIFIER                                                  | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION                                     | EACH  | 1        |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                  | EACH  | 1        |
| REMOVE EXISTING HANDHOLE                                                  | EACH  | 9        |
| REMOVE EXISTING DOUBLE HANDHOLE                                           | EACH  | 1        |
| REMOVE EXISTING CONCRETE FOUNDATION                                       | EACH  | 8        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C           | FOOT  | 613      |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED                             | EACH  | 1        |
| PEDESTRIAN SIGNAL POST, 10 FT.                                            | EACH  | 4        |
| FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)               | EACH  | 1        |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL                                     | EACH  | 1        |
| ACCESSIBLE PEDESTRIAN SIGNALS                                             | EACH  | 8        |
| CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER                              | FOOT  | 16       |
| VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH                           | EACH  | 2        |
| TEMPORARY TRAFFIC SIGNAL TIMING                                           | EACH  | 1        |

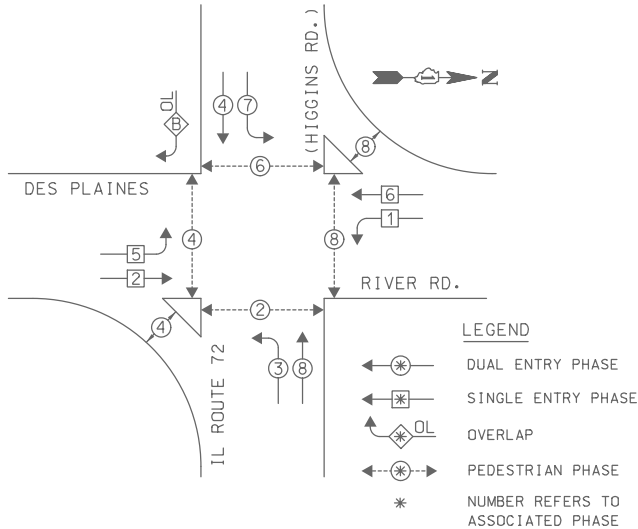
|                                                                                                             |  |                        |                                                                                                                                                                                                                      |                                                                                                                                  |                        |
|-------------------------------------------------------------------------------------------------------------|--|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>PROFILE</b><br>SURVEYED PLOTTED<br>GRADES CHECKED<br>B.M. NOTED<br>STRUCTURE NOTATIONS CHKD<br>NO. _____ |  | BY _____<br>DATE _____ |  <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING LTD.<br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 923-0500 | PLAN _____<br>SURVEYED _____<br>PLOTTED _____<br>ALIGNMENT CHECKED _____<br>RT. OF WAY CHECKED _____<br>CADD FILE NAME NO. _____ | BY _____<br>DATE _____ |
|-------------------------------------------------------------------------------------------------------------|--|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|

TS SHT NO. 50



|                                          |                                           |               |           |                                                                      |                                                                                                                                                   |           |           |             |                |                       |                             |           |
|------------------------------------------|-------------------------------------------|---------------|-----------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|----------------|-----------------------|-----------------------------|-----------|
| FILE NAME =                              | USER NAME = bgunnells                     | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div> | <div>TRAFFIC SIGNAL MODIFICATION PLAN</div> <div>HIGH VISIBILITY BACKPLATES</div> <div>DESPLAINES RIVER ROAD AND IL ROUTE 72 (HIGGINS ROAD)</div> |           |           | F.A.U. RTE. | SECTION        | COUNTY                | TOTAL SHEETS                | SHEET NO. |
| N:\ROSEMONT\2004\Traffic\High Visibility | Backplate Plans\Hvbp_River and Higgins.01 | DRAWN - FPB   | REVISED - |                                                                      |                                                                                                                                                   |           |           | 1034 & 2710 | 19-00035-00-SP | COOK                  | 101                         | 80        |
|                                          | PLOT SCALE = 40'                          | CHECKED - EAJ | REVISED - |                                                                      | CONTRACT NO. 61L21                                                                                                                                |           |           |             |                |                       |                             |           |
|                                          | PLOT DATE = 6/20/2025                     | DATE -        | REVISED - |                                                                      | SCALE: 1" = 40'                                                                                                                                   | SHEET NO. | OF SHEETS | STA.        | TO STA.        | FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT : |           |

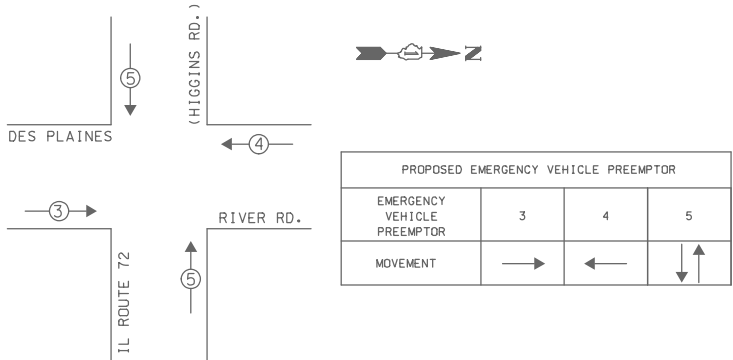
EXISTING CONTROLLER SEQUENCE



RIGHT TURN OVERLAP  
PHASE DESIGNATION

| OVERLAP<br>LETTER | PERMISSIVE<br>PHASE | PROTECTED<br>PHASE | DISPLAY |
|-------------------|---------------------|--------------------|---------|
| B                 | =                   | 4 + 5 - 4          |         |

EXISTING EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



| I.D.O.T.<br>TRAFFIC SIGNAL INSTALLATION<br>ELECTRICAL SERVICE REQUIREMENTS |              |                          |             |                | TOTAL<br>WATTAGE |
|----------------------------------------------------------------------------|--------------|--------------------------|-------------|----------------|------------------|
| TYPE                                                                       | NO. OF LAMPS | WATTAGE<br>X INCAND. LED | % OPERATION |                |                  |
| SIGNAL (RED)                                                               | 20           | 10                       | 0.50        | 100.00         |                  |
| (YELLOW)                                                                   | 20           | 19                       | 0.25        | 95.00          |                  |
| (GREEN)                                                                    | 20           | 11                       | 0.25        | 55.00          |                  |
| ARROW                                                                      | 12           | 9                        | 0.10        | 10.80          |                  |
| PED. SIGNAL                                                                | 12           | 9                        | 1.00        | 108.00         |                  |
| CONTROLLER                                                                 | 1            | 100                      | 1.00        | 100.00         |                  |
| LUMINAIRE                                                                  |              | 250                      | 0.50        |                |                  |
| VIDEO SYSTEM                                                               |              | 150                      | 1.00        |                |                  |
| BATTERY BACKUP<br>SYSTEM                                                   |              | 25                       | 1.00        |                |                  |
| FLASHER                                                                    |              |                          | 0.50        |                |                  |
| ENERGY COSTS TO:                                                           |              |                          |             | TOTAL = 468.80 |                  |



**VILLAGE OF ROSEMONT**  
9501 West Devon Avenue  
Rosemont, Illinois 60016

ENERGY SUPPLY: CONTACT: LINDA KLOC  
PHONE: (708) 410-5313  
COMPANY: COMED

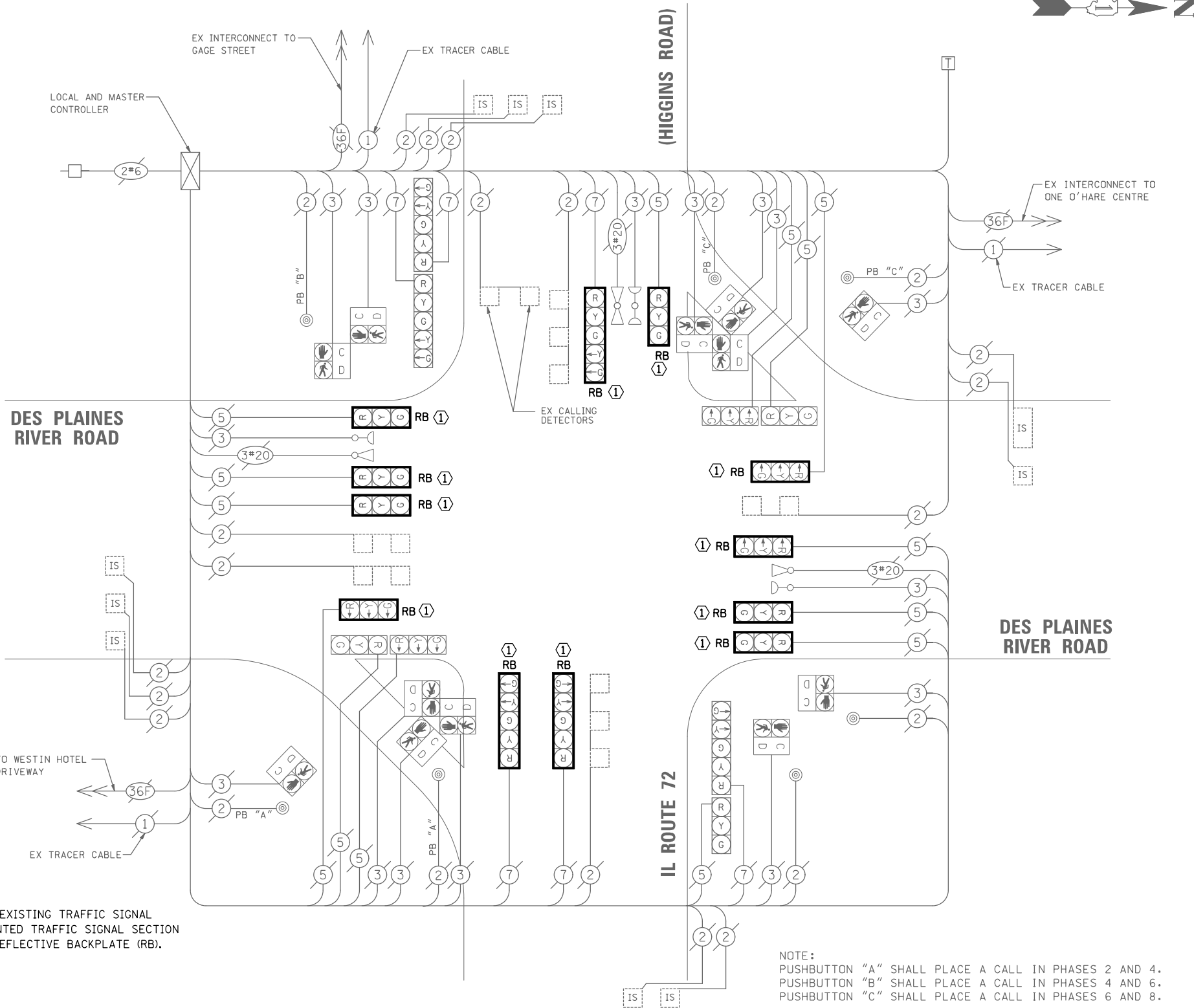
CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL BACKPLATE FROM THE MAST ARM MOUNTED TRAFFIC SIGNAL SECTION AND INSTALL HIGH VISIBILITY RETROREFLECTIVE BACKPLATE (RB).

SCHEDULE OF QUANTITIES

| ITEM                                                | UNIT | QUANTITY |
|-----------------------------------------------------|------|----------|
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE           | EACH | 12       |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT            | EACH | 1        |

CABLE PLAN  
NOT TO SCALE



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

△ HIGH VISIBILITY BACKPLATES 04/17/2024

**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

|           |                          |    |      |
|-----------|--------------------------|----|------|
| PROFILE   | SUBMITTED<br>PLOTTED     | BY | DATE |
| NOTE BOOK | GRADES CHECKED           |    |      |
| NO. _____ | B.M. NOTED               |    |      |
|           | STRUCTURE NOTATIONS CHKD |    |      |



**CHRISTOPHER B. BURKE**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

ENGINEERING LTD.

PLAN \_\_\_\_\_

SUBMITTED \_\_\_\_\_

PLOTTED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

RT. OF WAY CHECKED \_\_\_\_\_

CADD FILE NAME \_\_\_\_\_

**CHRISTOPHER B. BURKE**  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

| BY | DATE |
|----|------|
|    |      |
|    |      |
|    |      |
|    |      |
|    |      |

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
GRADES CHECKED \_\_\_\_\_  
B.M. NOTED \_\_\_\_\_  
STRUCTURE NOTAT'NS CH'KD \_\_\_\_\_

TS SHT NO. 52

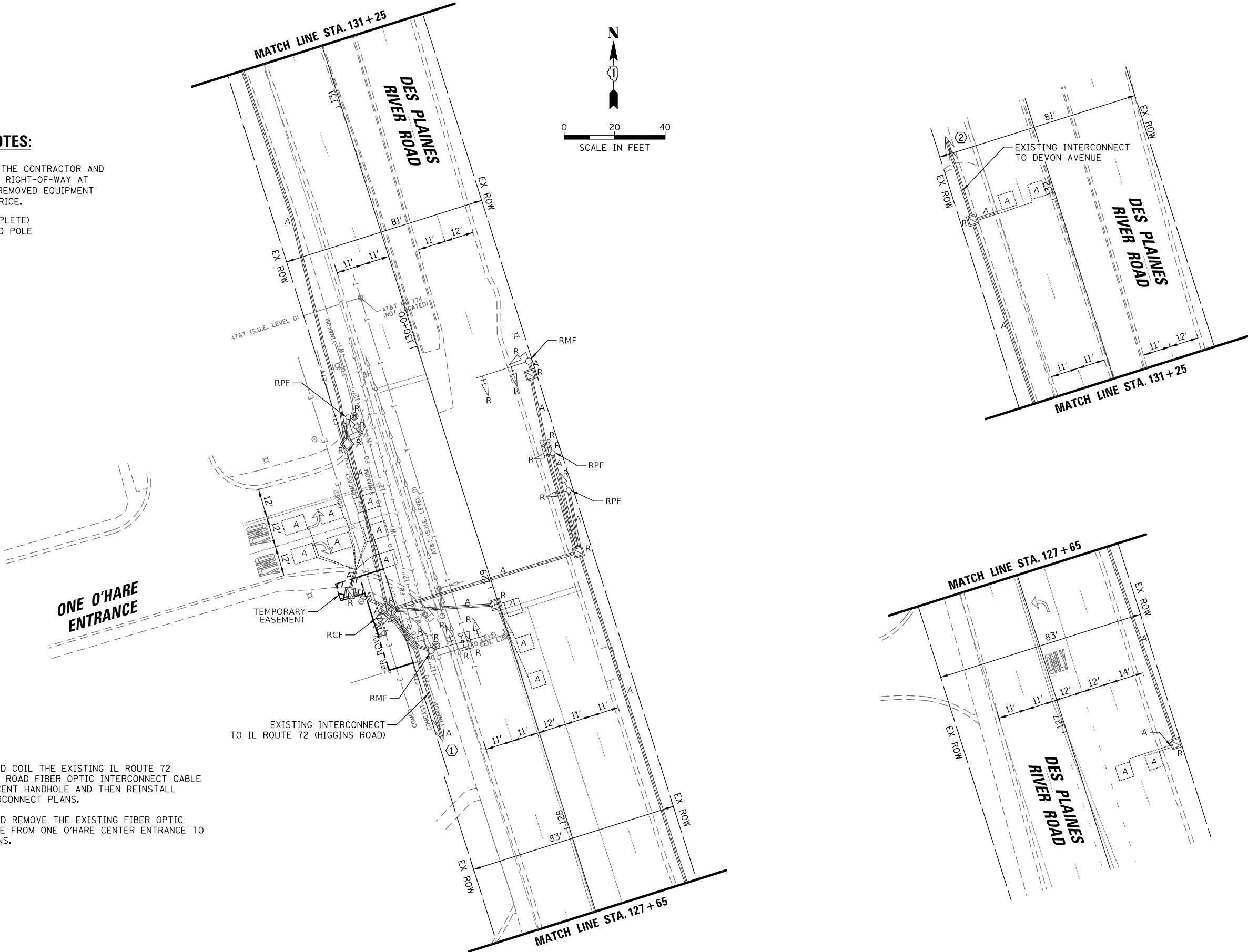
**REMOVAL AND RELOCATION NOTES:**

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 IN THE CONTRACT BID PRICE.

- |   |      |                                   |
|---|------|-----------------------------------|
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE) |
| 2 | EACH | STEEL MAST ARM ASSEMBLY AND POLE  |
| 3 | EACH | TRAFFIC SIGNAL POST               |
| 7 | EACH | 3-SECTION SIGNAL HEAD             |
| 2 | EACH | 5-SECTION SIGNAL HEAD             |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD            |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON            |
| 1 | EACH | SERVICE INSTALLATION              |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE          |
| 2 | EACH | CONFIRMATION BEACON               |
| 2 | EACH | LIGHT DETECTOR                    |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER          |

### CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL DISCONNECT AND COIL THE EXISTING IL ROUTE 72 (HIGGINS ROAD) AND DES PLAINES RIVER ROAD FIBER OPTIC INTERCONNECT CABLE AND TRACER CABLE TO THE NEXT ADJACENT HANDHOLE AND THEN REINSTALL TO THE PERMANENT CABINET. SEE INTERCONNECT PLANS.
- ② THE CONTRACTOR SHALL DISCONNECT AND REMOVE THE EXISTING FIBER OPTIC INTERCONNECT CABLE AND TRACER CABLE FROM ONE O'HARE CENTER ENTRANCE TO DEVON AVENUE. SEE INTERCONNECT PLANS.



|                                       |                                         |               |           |                                                               |                                                                                                              |           |    |        |                |                |                       |                 |                    |
|---------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|----|--------|----------------|----------------|-----------------------|-----------------|--------------------|
| FILE NAME :                           | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | <div>EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN<br/>DES PLAINES RIVER ROAD AND ONE O'HARE ENTRANCE</div> |           |    |        | F.A.U.<br>RTE. | SECTION        | COUNTY                | TOTAL<br>SHEETS | SHEET<br>NO.       |
| N:\ROSEMONT\2004\Traffic\High Visiblt | Backplate.Plans\RIVER-10hare.01.REM.dgn | DRAWN - FPB   | REVISED - |                                                               |                                                                                                              |           |    |        | 1034 &<br>2710 | 19-00035-00-SP | COOK                  | 101             | 82                 |
|                                       | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                               | CONTRACT NO. 61L21                                                                                           |           |    |        |                |                |                       |                 |                    |
|                                       | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                               | SCALE: 1" = 40'                                                                                              | SHEET NO. | OF | SHEETS | STA.           | TO STA.        | FED. ROAD DIST. NO. 1 | ILLINOIS        | FED. AID PROJECT : |

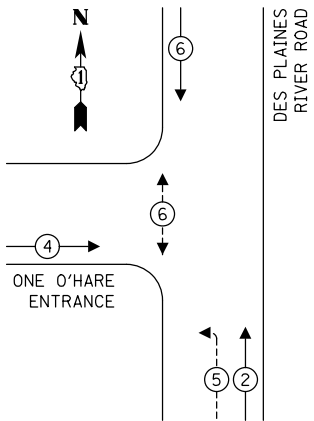






## TS SHT NO. 54

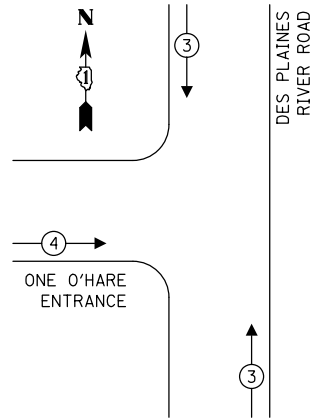
## TEMPORARY CONTROLLER SEQUENCE



**LEGEND:**

-  PROTECTED PHASE  
 PROTECTED/PERMITTED PHASE  
 PEDESTRIAN PHASE  
 OL OVERLAP

## TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



| TRAFFIC SIGNAL<br>ELECTRICAL SERVICE REQUIREMENTS |                 |                |                |                  |
|---------------------------------------------------|-----------------|----------------|----------------|------------------|
| TYPE                                              | NO. OF<br>LAMPS | LED<br>WATTAGE | %<br>OPERATION | TOTAL<br>WATTAGE |
| SIGNAL (RED)                                      | 9               | 11             | 50             | 49.5             |
| (YELLOW)                                          | 9               | 20             | 5              | 180.0            |
| (GREEN)                                           | 9               | 12             | 45             | 48.6             |
| PERMISSIVE ARROW                                  | 4               | 10             | 10             | 4.0              |
| PED. SIGNAL                                       | 2               | 20             | 100            | 40.0             |
| CONTROLLER                                        | 1               | 100            | 100            | 100.0            |
| UPS                                               | 1               | 25             | 100            | 25.0             |
| VIDEO SYSTEM                                      | 1               | 150            | 100            | 150.0            |
| BLANK-OUT SIGN                                    | -               | 25             | 5              | -                |
| FLASHER                                           | -               | -              | 50             | -                |
| STREET NAME SIGN                                  | -               | 120            | 50             | -                |
| LUMINAIRE                                         | -               | 250            | 50             | -                |
|                                                   |                 |                | TOTAL =        | 597.1            |

ENERGY COSTS TO:

VILLAGE OF ROSEMONT  
9501 WEST DEVON AVE  
ROSEMONT, IL 60018

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

ACCOUNT NUMBER:

|                                                                                   |                       |
|-----------------------------------------------------------------------------------|-----------------------|
| FILE NAME =                                                                       | USER NAME = bgunnells |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate.Plans\RIVER-10hare_03.TCB.dgn |                       |
|                                                                                   | PLOT SCALE = 40'      |
|                                                                                   | PLOT DATE = 6/20/2025 |

|               |           |
|---------------|-----------|
| DESIGNED - BG | REVISED - |
| DRAWN - FPB   | REVISED - |
| CHECKED - EAJ | REVISED - |
| DATE -        | REVISED - |

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DES PLAINES RIVER ROAD AND ONE O'HARE ENTRANCE**

|                 |           |    |        |      |         |
|-----------------|-----------|----|--------|------|---------|
| SCALE: 1" = 40' | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|-----------------|-----------|----|--------|------|---------|

|                       |                |                           |                 |              |
|-----------------------|----------------|---------------------------|-----------------|--------------|
| F.A.U.<br>RTE.        | SECTION        | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1034 &<br>2710        | 19-00035-00-SP | COOK                      | 101             | 84           |
|                       |                | <b>CONTRACT NO. 61L21</b> |                 |              |
| FED. ROAD DIST. NO. 1 | ILLINOIS       | FED. AID PROJECT :        |                 |              |

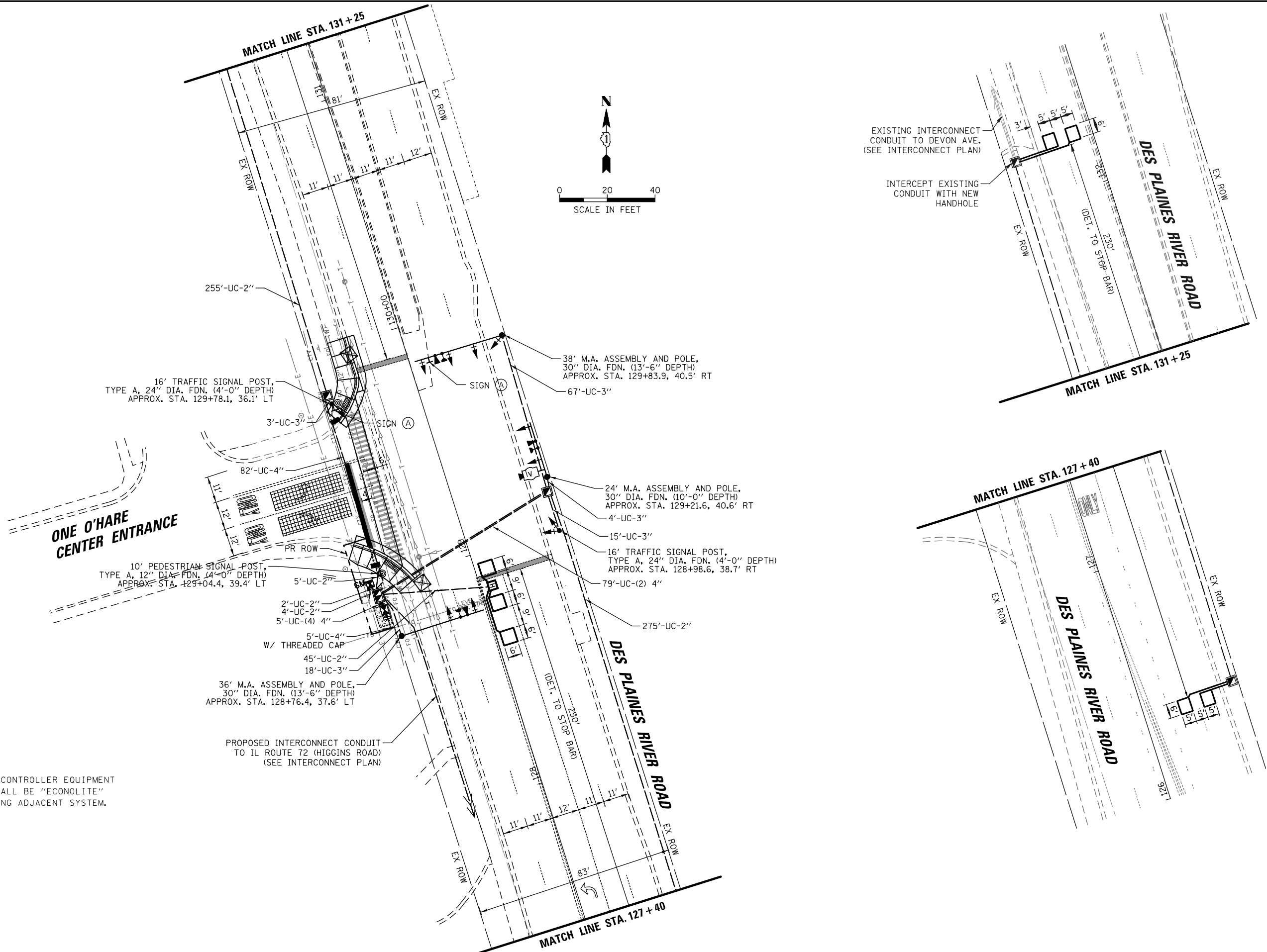
|                       |          |                    |
|-----------------------|----------|--------------------|
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |
|-----------------------|----------|--------------------|

## TEMPORARY CABLE PLAN

(NOT TO SCALE)

|      |    |           |                          |           |                     |      |
|------|----|-----------|--------------------------|-----------|---------------------|------|
| DATE | BY | PROFILE   | SURVEYED<br>PLOTTED      | PLAN      | SURVEYED<br>PLOTTED | DATE |
|      |    | NOTE BOOK | GRADES CHECKED           | NOTE BOOK | ALIGNMENT CHECKED   |      |
|      |    | NO. _____ | B.M. NOTED               | NO. _____ | PT. OF WAY CHECKED  |      |
|      |    |           | STRUCTURE NOTATIONS CHKD |           | CADD FILE NAME      |      |

TS SHT NO. 55



|                                           |                                         |               |           |                                                   |                                                                                            |           |    |        |                |         |               |                 |              |     |    |
|-------------------------------------------|-----------------------------------------|---------------|-----------|---------------------------------------------------|--------------------------------------------------------------------------------------------|-----------|----|--------|----------------|---------|---------------|-----------------|--------------|-----|----|
| FILE NAME =                               | USER NAME = bgunnells                   | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL MODERNIZATION PLAN<br>DES PLAINES RIVER ROAD AND ONE O'HARE CENTER ENTRANCE |           |    |        | F.A.U.<br>RTE. | SECTION | COUNTY        | TOTAL<br>SHEETS | SHEET<br>NO. |     |    |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-10hare_04_M00.dgn | DRAWN - FPB   | REVISED - |                                                   | SCALE: 1" = 40'                                                                            | SHEET NO. | OF | SHEETS | STA.           | TO STA. | 1034 &<br>210 | 19-00035-00-SP  | COOK         | 101 | 85 |
|                                           | PLOT SCALE = 40'                        | CHECKED - EAJ | REVISED - |                                                   | CONTRACT NO. 61L21                                                                         |           |    |        |                |         |               |                 |              |     |    |
|                                           | PLOT DATE = 6/20/2025                   | DATE -        | REVISED - |                                                   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT :                                          |           |    |        |                |         |               |                 |              |     |    |

DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
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DATE  
BY  
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PLOTTED  
NOTE BOOK  
NO.

CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

C.B.B.

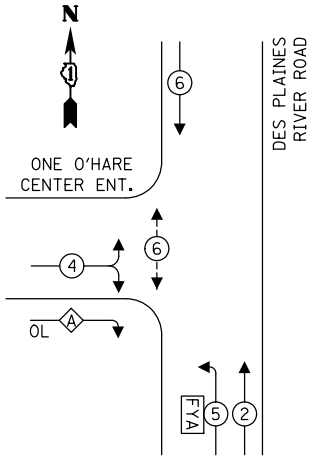
DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

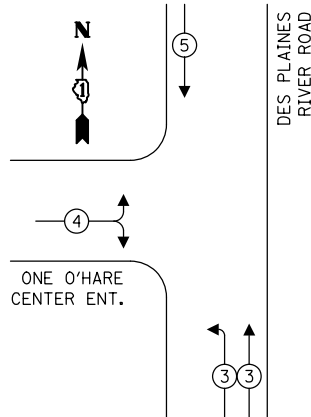
DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

TS SHT NO.56

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE



TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

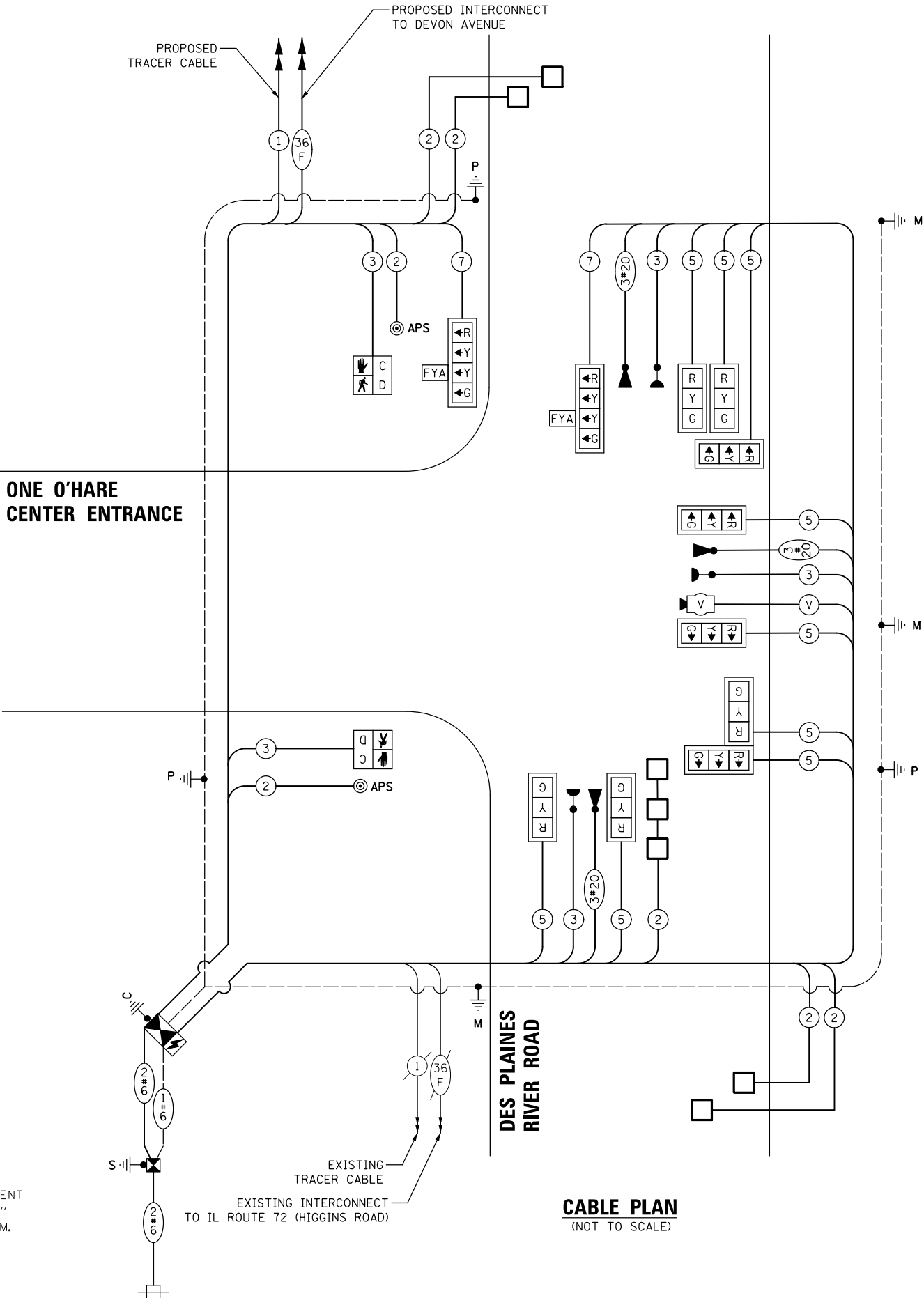
| TYPE                                                                                                                                                                                                     | QUANTITY | LED WATTAGE | TOTAL WATTAGE |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|---------------|
| SIGNAL HEAD                                                                                                                                                                                              |          |             |               |
| 3-SECTION                                                                                                                                                                                                | 9        | 11          | 99            |
| 4-SECTION                                                                                                                                                                                                | 2        | 14          | 28            |
| 5-SECTION                                                                                                                                                                                                | -        | 13          | -             |
| PROGRAMMABLE SIGNALS                                                                                                                                                                                     |          |             |               |
| 3-SECTION                                                                                                                                                                                                | -        | 22          | -             |
| 4-SECTION                                                                                                                                                                                                | -        | 32          | -             |
| 5-SECTION                                                                                                                                                                                                | -        | 28          | -             |
| PED. SIGNAL                                                                                                                                                                                              | 2        | 15          | 30            |
| CONTROLLER                                                                                                                                                                                               | 1        | 150         | 150           |
| MASTER CONTROLLER                                                                                                                                                                                        | -        | 100         | -             |
| UPS                                                                                                                                                                                                      | 1        | 25          | 25            |
| DETECTION RADAR                                                                                                                                                                                          | -        | 20          | -             |
| VIDEO                                                                                                                                                                                                    | 1        | 20          | 20            |
| NETWORK SWITCH II OR III                                                                                                                                                                                 | -        | 25          | -             |
| BLANK-OUT SIGN                                                                                                                                                                                           | -        | 35          | -             |
| CELLULAR MODEM                                                                                                                                                                                           | -        | 15          | -             |
| TOTAL SERVICE WIRE SIZING                                                                                                                                                                                |          |             | 352           |
| UPS CHARGING                                                                                                                                                                                             | 1        | 225         | 225           |
| BATTERY HEATER MAT                                                                                                                                                                                       | 1        | 180         | 180           |
| CABINET HEATER                                                                                                                                                                                           | 1        | 200         | 200           |
| FLASHER                                                                                                                                                                                                  | 1        | 15          | 15            |
| LED STREET NAME SIGN                                                                                                                                                                                     | -        | 120         | -             |
| LUMINAIRE                                                                                                                                                                                                | -        | 240         | -             |
| TOTAL SERVICE WIRE SIZING                                                                                                                                                                                |          |             | 957           |
| ENERGY COSTS TO:<br>VILLAGE OF ROSEMONT<br>9501 WEST DEVON AVE.<br>ROSEMONT, IL 60018<br>ENERGY SUPPLY: CONTACT: NEW CONTACT<br>PHONE: NEW NUMBER<br>COMPANY: COMMONWEALTH EDISON<br>ACCOUNT NUMBER: --- |          |             |               |

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS PROJECT SHALL BE "ECONOLITE"  
TO MATCH THE EXISTING ADJACENT SYSTEM.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION  
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DES PLAINES RIVER ROAD AND ONE O'HARE CENTER ENTRANCE  
SCALE: 1" = 40' SHEET NO. OF SHEETS STA. TO STA.

|                                                     |                           |                |                        |                    |
|-----------------------------------------------------|---------------------------|----------------|------------------------|--------------------|
| F.A.U.<br>RTE.<br>1034 &<br>2710                    | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>86 |
| FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT : |                           |                |                        |                    |



PROFILE  
NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

TS SHT NO. 57

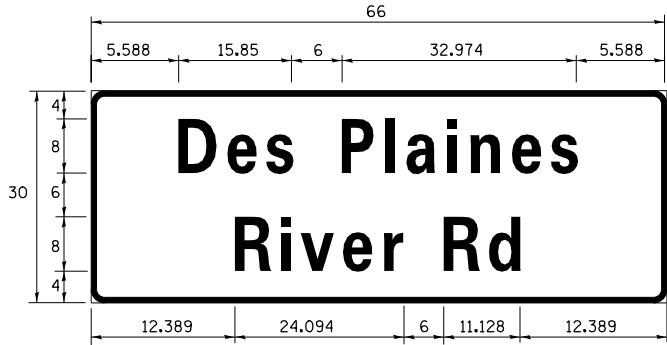
PLAN  
NOTE BOOK  
NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

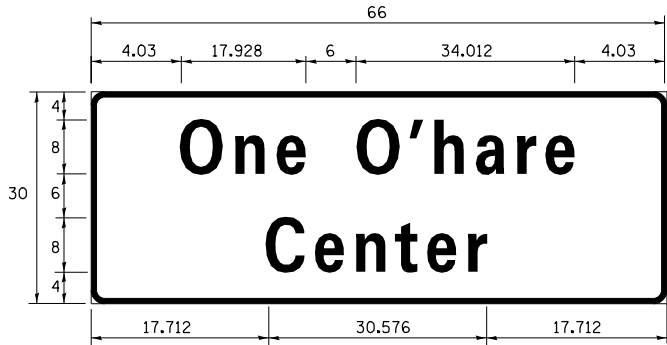
CHRISTOPHER B. BURKE  
ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 13.75        | 2               | ZZ            | 1             |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 13.75        | 2               | ZZ            | 2             |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION  
PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME  
SIGN DETAIL.

SCHEDULE OF QUANTITIES

| ITEM                                                                      | UNIT  | QUANTITY |
|---------------------------------------------------------------------------|-------|----------|
| SIGN PANEL - TYPE 1                                                       | SQ FT | 15       |
| SIGN PANEL - TYPE 2                                                       | SQ FT | 42       |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.                            | FOOT  | 586      |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                            | FOOT  | 107      |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.                            | FOOT  | 265      |
| HANDHOLE                                                                  | EACH  | 4        |
| HEAVY-DUTY HANDHOLE                                                       | EACH  | 1        |
| DOUBLE HANDHOLE                                                           | EACH  | 1        |
| TRANSCEIVER - FIBER OPTIC                                                 | EACH  | 1        |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                               | FOOT  | 160      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                               | FOOT  | 651      |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                               | FOOT  | 1384     |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                               | FOOT  | 364      |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                         | FOOT  | 837      |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C                             | FOOT  | 36       |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C        | FOOT  | 635      |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                              | EACH  | 2        |
| STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.                                  | EACH  | 1        |
| STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.                                  | EACH  | 1        |
| CONCRETE FOUNDATION, TYPE A                                               | FOOT  | 12       |
| CONCRETE FOUNDATION, TYPE C                                               | FOOT  | 4        |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                              | FOOT  | 37       |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED                     | EACH  | 6        |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED                      | EACH  | 3        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED                      | EACH  | 1        |
| SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED                     | EACH  | 1        |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH  | 2        |
| TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE                                 | EACH  | 11       |
| INDUCTIVE LOOP DETECTOR                                                   | EACH  | 3        |
| DETECTOR LOOP, TYPE I                                                     | FOOT  | 214      |
| LIGHT DETECTOR                                                            | EACH  | 3        |
| LIGHT DETECTOR AMPLIFIER                                                  | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION                                     | EACH  | 1        |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT                                | EACH  | 1        |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                  | EACH  | 1        |
| REMOVE EXISTING HANDHOLE                                                  | EACH  | 5        |
| REMOVE EXISTING DOUBLE HANDHOLE                                           | EACH  | 1        |
| REMOVE EXISTING CONCRETE FOUNDATION                                       | EACH  | 6        |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C           | FOOT  | 487      |
| SERVICE INSTALLATION, GROUND MOUNTED, METERED                             | EACH  | 1        |
| PEDESTRIAN SIGNAL POST, 10 FT.                                            | EACH  | 1        |
| FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)               | EACH  | 1        |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL                                     | EACH  | 1        |
| ACCESSIBLE PEDESTRIAN SIGNALS                                             | EACH  | 2        |
| CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER                              | FOOT  | 4        |
| VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH                           | EACH  | 1        |
| TEMPORARY TRAFFIC SIGNAL TIMING                                           | EACH  | 1        |

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 IN THE CONTRACT BID PRICE.

**CONSTRUCTION NOTES:**

- DES PLAINES

PROP. PERMANENT  
EASEMENT

INTERCONNECT TO  
DES PLAINES RIVER RD.  
AT CASINO ENTRANCE

**CB** **CHRISTOPHER B. BURKE** ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

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

R10-5,  
24" X 30"  
(4 REQUIRED)

**TRAFFIC SIGNAL MODIFICATION PLAN- (SHEET 1 OF 2)**  
**DES PLAINES RIVER ROAD AND DEVON AVENUE**

|                 |           |    |        |      |         |
|-----------------|-----------|----|--------|------|---------|
| SCALE: 1" = 40' | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|-----------------|-----------|----|--------|------|---------|

|                                                   |                |                    |                 |              |
|---------------------------------------------------|----------------|--------------------|-----------------|--------------|
| F.A.U.<br>RTE.                                    | SECTION        | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1034 &<br>2710                                    | 19-00035-00-SP | COOK               | 101             | 88           |
|                                                   |                | CONTRACT NO. 61L21 |                 |              |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                |                    |                 |              |

TS SHT NO. 58

|                                                                                                                |    |      |                                                                                                                                                                                                                      |           |                     |    |      |
|----------------------------------------------------------------------------------------------------------------|----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|----|------|
| <b>PROFILE</b><br>SURVEYED<br>PLOTTED<br>GRADES CHECKED<br>B.M. NOTED<br>STRUCTURE NOTATIONS CHKD<br>NO. _____ | BY | DATE |  <b>CHRISTOPHER B. BURKE</b><br>ENGINEERING LTD.<br>9575 West Higgins Road, Suite 600<br>Rosemont, Illinois 60018<br>(847) 822-0500 | PLAN      | SURVEYED<br>PLOTTED | BY | DATE |
|                                                                                                                |    |      |                                                                                                                                                                                                                      | NOTE BOOK | ALIGNMENT CHECKED   |    |      |
|                                                                                                                |    |      |                                                                                                                                                                                                                      | NO. _____ | PT. OF WAY CHECKED  |    |      |
|                                                                                                                |    |      |                                                                                                                                                                                                                      |           | CADD FILE NAME      |    |      |
|                                                                                                                |    |      |                                                                                                                                                                                                                      |           |                     |    |      |



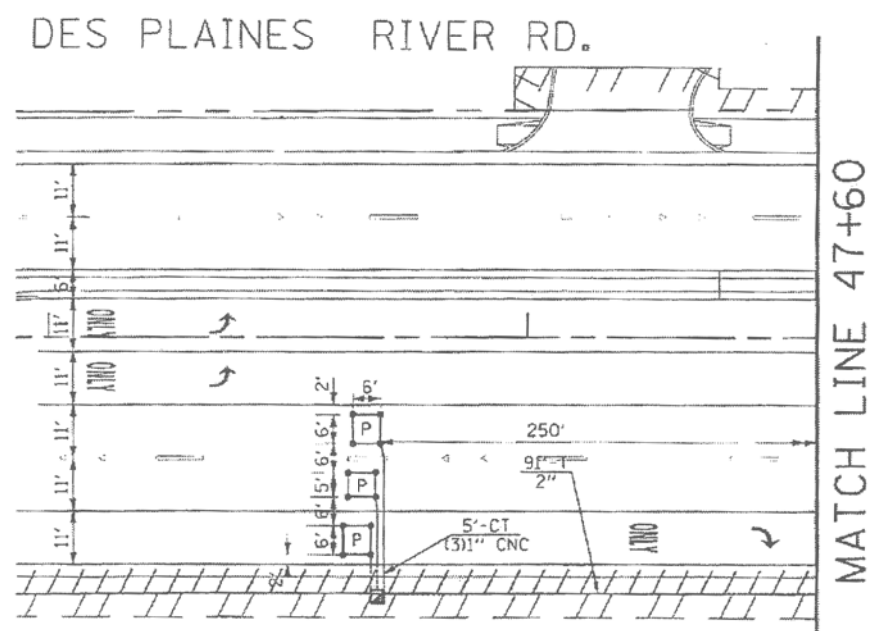
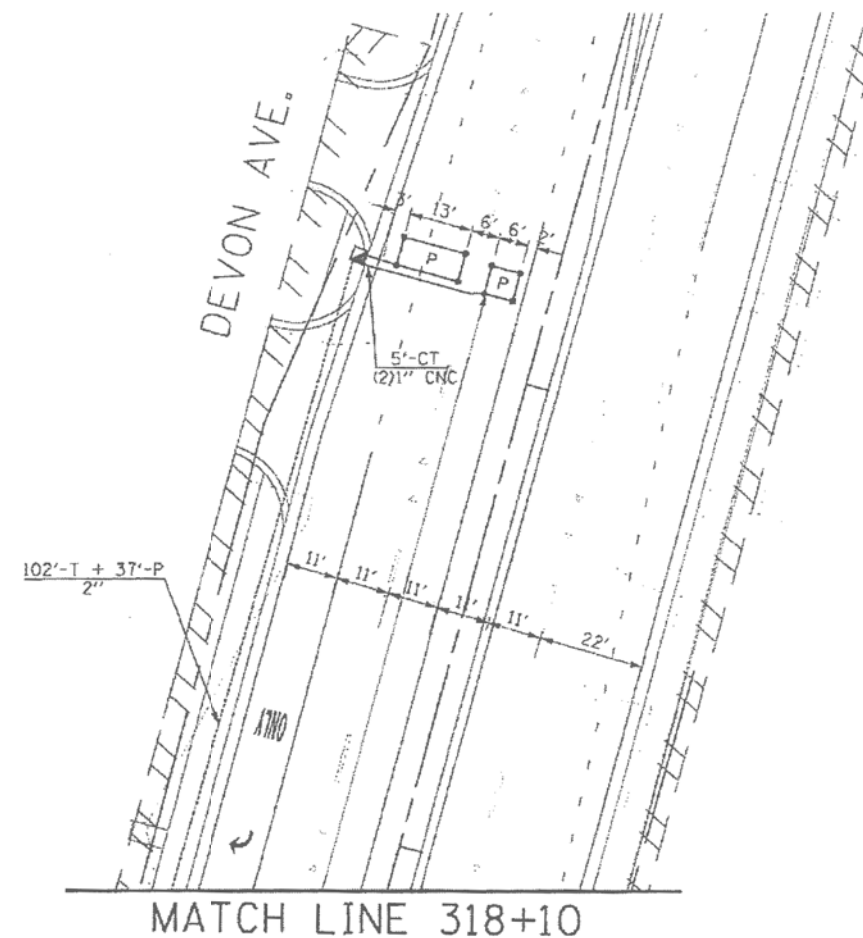
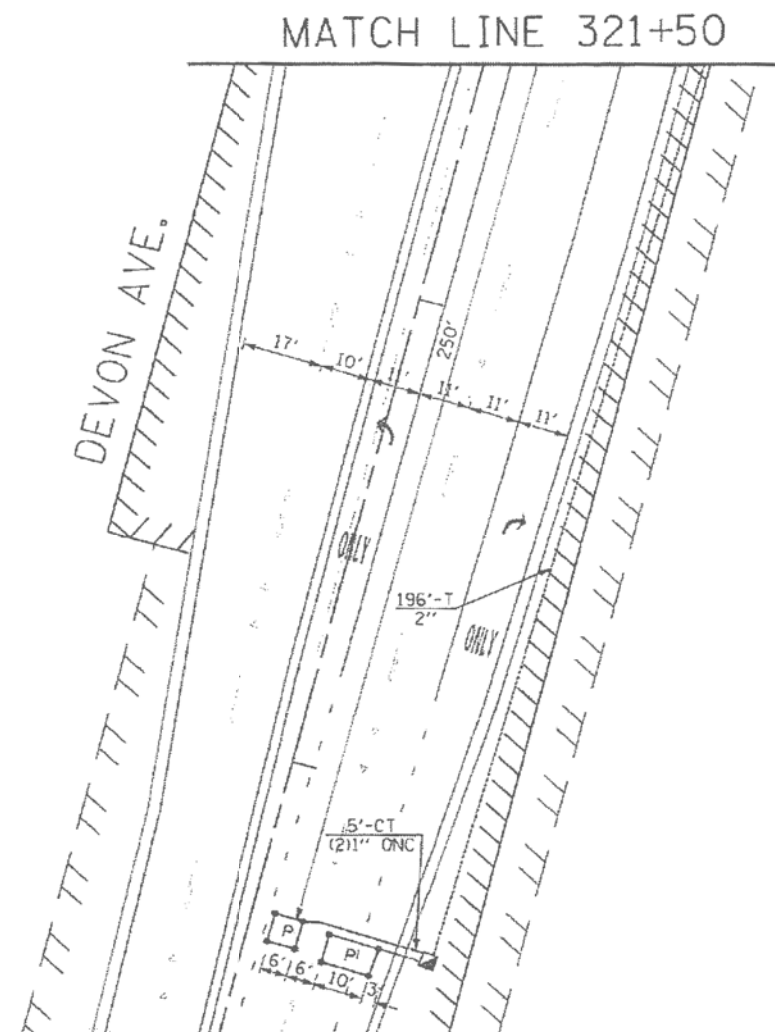
|                |      |    |                    |      |
|----------------|------|----|--------------------|------|
| PROFILE        | DATE | BY | PLAN               | DATE |
| SUPERSED       |      |    | SUPERSED           |      |
| NOTES          |      |    | REVISED            |      |
| GRADES CHECKED |      |    | ALIGNMENT CHECKED  |      |
| NOTE BOOK      |      |    | RT. OF WAY CHECKED |      |
| B.M. NOTED     |      |    | CADD FILE NAME     |      |
| STRUCTURE      |      |    | NO. _____          |      |
| NOTAT'NS CHWD  |      |    |                    |      |



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TS SHT NO. 59



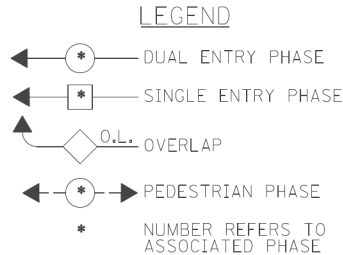
 HIGH VISIBILITY BACKPLATES 04/17/2024

**CB** **CHRISTOPHER B. BURKE** ENGINEERING LTD.  
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

|                                          |                                             |               |           |                                                                                        |                                                                                                                                   |           |    |        |                                                   |                           |                |                        |                    |
|------------------------------------------|---------------------------------------------|---------------|-----------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------|----|--------|---------------------------------------------------|---------------------------|----------------|------------------------|--------------------|
| FILE NAME =                              | USER NAME = bgunnells                       | DESIGNED - BG | REVISED - | <p align="center"><b>STATE OF ILLINOIS</b><br/><b>DEPARTMENT OF TRANSPORTATION</b></p> | <p align="center"><b>TRAFFIC SIGNAL MODIFICATION PLAN - (SHEET 2 OF 2)</b><br/><b>DES PLAINES RIVER ROAD AND DEVON AVENUE</b></p> |           |    |        | F.A.U.<br>RTE.<br>1034 &<br>2710                  | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>89 |
| N:\ROSEMONT\2004\Traffic\High Visibility | Backplate.Plans\Hvbp_River and Devon_02.MXD | DRAWN - FPB   | REVISED - |                                                                                        |                                                                                                                                   |           |    |        | CONTRACT NO. 61L21                                |                           |                |                        |                    |
|                                          | PLOT SCALE = 40'                            | CHECKED - EAJ | REVISED - |                                                                                        |                                                                                                                                   |           |    |        |                                                   |                           |                |                        |                    |
|                                          | PLOT DATE = 6/20/2025                       | DATE -        | REVISED - |                                                                                        |                                                                                                                                   |           |    |        |                                                   |                           |                |                        |                    |
|                                          |                                             |               |           |                                                                                        | SCALE: NOT TO SCALE                                                                                                               | SHEET NO. | OF | SHEETS | STA.                                              | TO STA.                   |                |                        |                    |
|                                          |                                             |               |           |                                                                                        |                                                                                                                                   |           |    |        | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                           |                |                        |                    |

|                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|
| <b>PROFILE</b><br>SURVEYED _____<br>PLOTTED _____<br>GRADES CHECKED _____<br>S.W. NOTED _____<br>STRUCTURE NOTATIONS OK/NO                                                                                                                                                                                                                                                        |  | BY _____<br>DATE _____                                                            |
| <b>NOTE BOOK</b><br>NO. _____                                                                                                                                                                                                                                                                                                                                                     |  | <b>PLAN</b><br>ALIGNMENT _____<br>RT. OF WAY CHECKED _____<br>CAD FILE NAME _____ |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  </div> <div> <b>CHRISTOPHER B. BURKE</b><br/>         9575 West Highway Road, Suite 600<br/>         Rosemont, Illinois 60018<br/>         (847) 823-4500       </div> </div> |  |                                                                                   |
| ENGINEERING LTD.                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                   |

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



| OVERLAP<br>LETTER |   | PERMISSIVE<br>PHASE |   | PROTECTED<br>PHASE |
|-------------------|---|---------------------|---|--------------------|
| A                 | = | 2                   | + | 3                  |
| B                 | = | 4                   | + | 5                  |
| C                 | = | 6                   | + | 7                  |
| D                 | = | 8                   | + | 1                  |

The diagram shows a four-way intersection. The top road is labeled "DES PLAINES RIVER RD." and has a traffic signal with a green circle containing the number "5" and a downward arrow. The bottom road is labeled "DEVON AVE." and has a traffic signal with a green circle containing the number "5" and an upward arrow. The left road has two lanes, each with a green circle containing the number "3" and a rightward arrow. The right road has two lanes, each with a green circle containing the number "4" and a leftward arrow. A vehicle is shown in the right lane of the bottom road, moving towards the intersection. A table in the bottom right corner lists the following: "PROHIBITED VEH", "EMERGENCY VEH PREEMPT", and "MOVEMENT".

| PROPOSED EMERGENCY VEHICLE PREEMPTORS |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| EMERGENCY VEHICLE PREEMPTOR           | 3                                                                                     | 4                                                                                     | 5                                                                                     |
| MOVEMENT                              |  |  |  |

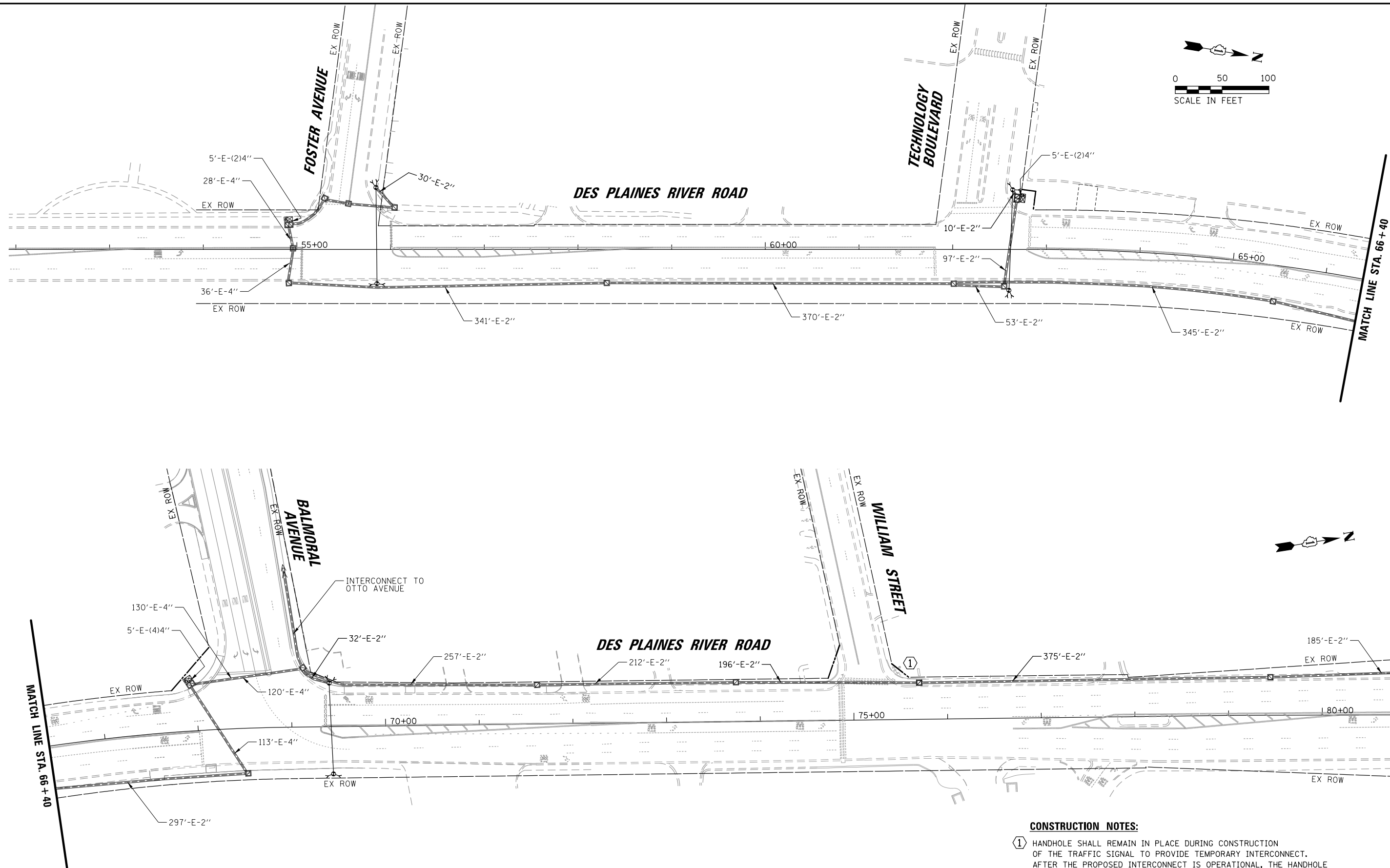
CABLE PLAN  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

**⚠ HIGH VISIBILITY BACKPLATES 04/17/2024**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

|                       |                |                    |                 |              |
|-----------------------|----------------|--------------------|-----------------|--------------|
| F.A.U.<br>RTE.        | SECTION        | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
| 1034 &<br>2710        | 19-00035-00-SP | COOK               | 101             | 90           |
|                       |                | CONTRACT NO. 61L21 |                 |              |
| FED. ROAD DIST. NO. 1 | ILLINOIS       | FED. AID PROJECT : |                 |              |



**CONSTRUCTION NOTES:**

① HANDHOLE SHALL REMAIN IN PLACE DURING CONSTRUCTION OF THE TRAFFIC SIGNAL TO PROVIDE TEMPORARY INTERCONNECT. AFTER THE PROPOSED INTERCONNECT IS OPERATIONAL, THE HANDHOLE SHALL BE REMOVED.

|                                           |                                       |               |           |                                                               |                                                                                                            |                |           |      |             |                       |          |                    |           |
|-------------------------------------------|---------------------------------------|---------------|-----------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------|-----------|------|-------------|-----------------------|----------|--------------------|-----------|
| FILE NAME =                               | USER NAME = bgunnells                 | DESIGNED - BG | REVISED - | <div>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</div> | TEMPORARY INTERCONNECT PLAN (SHEET 1 OF 3)<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |                |           |      | F.A.U. RTE. | SECTION               | COUNTY   | TOTAL SHEETS       | SHEET NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-INT-Temp-01.dgn | DRAWN - FPB   | REVISED - |                                                               | 1034 & 2110                                                                                                | 19-00035-00-SP | COOK      | 101  | 91          |                       |          |                    |           |
|                                           | PLOT SCALE = 100'                     | CHECKED - EAJ | REVISED - |                                                               | CONTRACT NO. 61L21                                                                                         |                |           |      |             |                       |          |                    |           |
|                                           | PLOT DATE = 6/20/2025                 | DATE -        | REVISED - |                                                               | SCALE: 1" = 100'                                                                                           | SHEET NO.      | OF SHEETS | STA. | TO STA.     | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT : |           |

PROFILE

SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

BY

DATE

TS SHT NO. 62

STRUCTURE NOTATIONS CHK'D

PLAN

SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

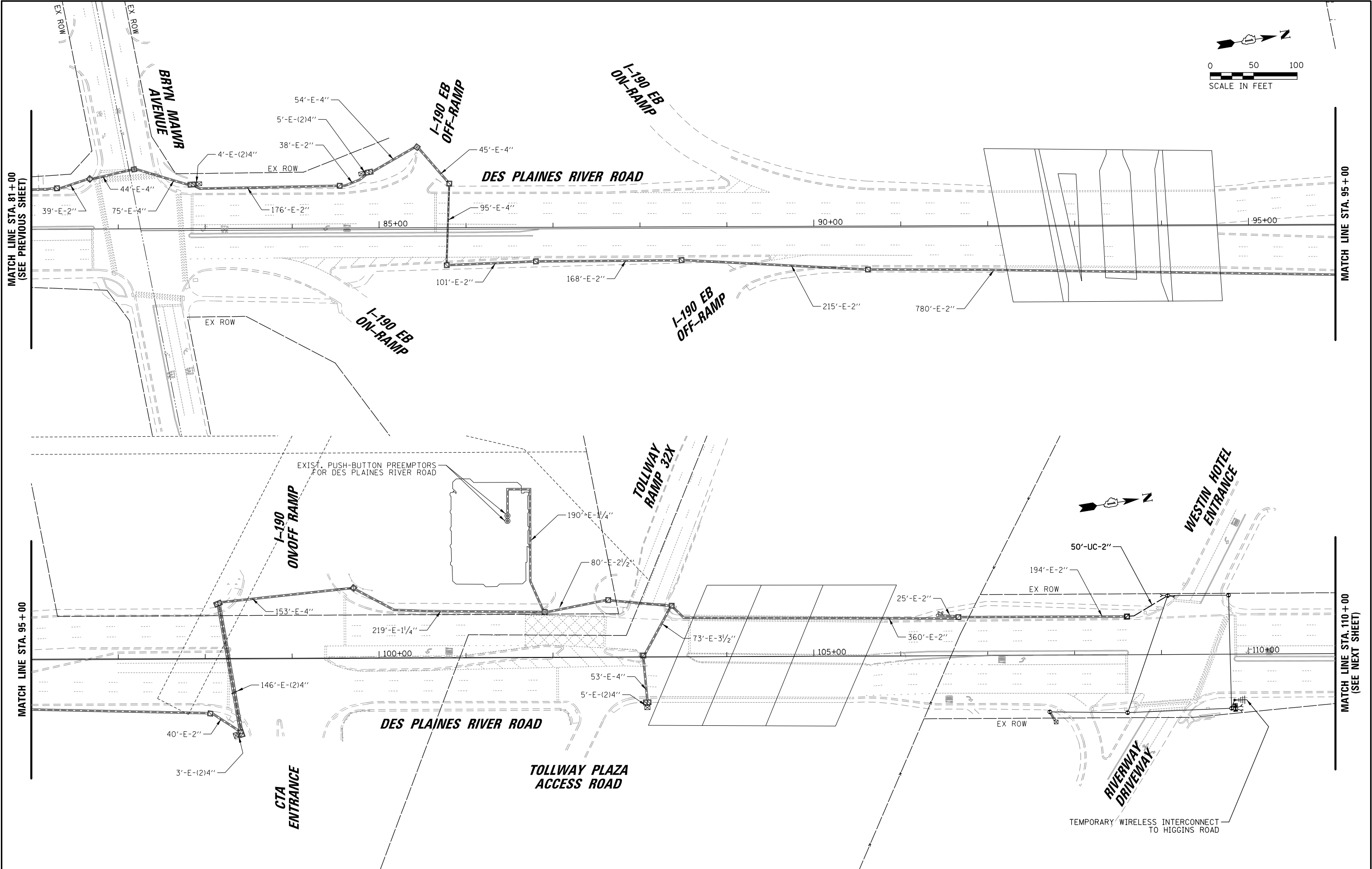
BY

DATE

CHRISTOPHER B. BURKE

ENGINEERING LTD.

9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500



|                                           |                                       |               |           |                                                   |                                                                                                            |  |  |  |                                  |                |           |                 |              |                                                   |
|-------------------------------------------|---------------------------------------|---------------|-----------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------|----------------|-----------|-----------------|--------------|---------------------------------------------------|
| FILE NAME =                               | USER NAME = bgunnells                 | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TEMPORARY INTERCONNECT PLAN (SHEET 2 OF 3)<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |  |  |  | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION        | COUNTY    | TOTAL<br>SHEETS | SHEET<br>NO. |                                                   |
| N:\ROSEMONT\20004\Traffic\High Visibility | Backplate.Plans\RIVER-INT-Temp-02.dgn | DRAWN - FPB   | REVISED - |                                                   |                                                                                                            |  |  |  |                                  | 19-00035-00-SP | COOK      | 101             | 92           |                                                   |
|                                           | PLOT SCALE = 100'                     | CHECKED - EAJ | REVISED - |                                                   |                                                                                                            |  |  |  |                                  |                |           |                 |              |                                                   |
|                                           | PLOT DATE = 6/20/2025                 | DATE -        | REVISED - |                                                   |                                                                                                            |  |  |  | SCALE: 1" = 100'                 | SHEET NO.      | OF SHEETS | STA.            | TO STA.      | CONTRACT NO. 61L21                                |
|                                           |                                       |               |           |                                                   |                                                                                                            |  |  |  |                                  |                |           |                 |              | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |

PROFILE

SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

BY

DATE

PLAN

SURVEYED  
PLOTTED  
NOTE BOOK  
NO.

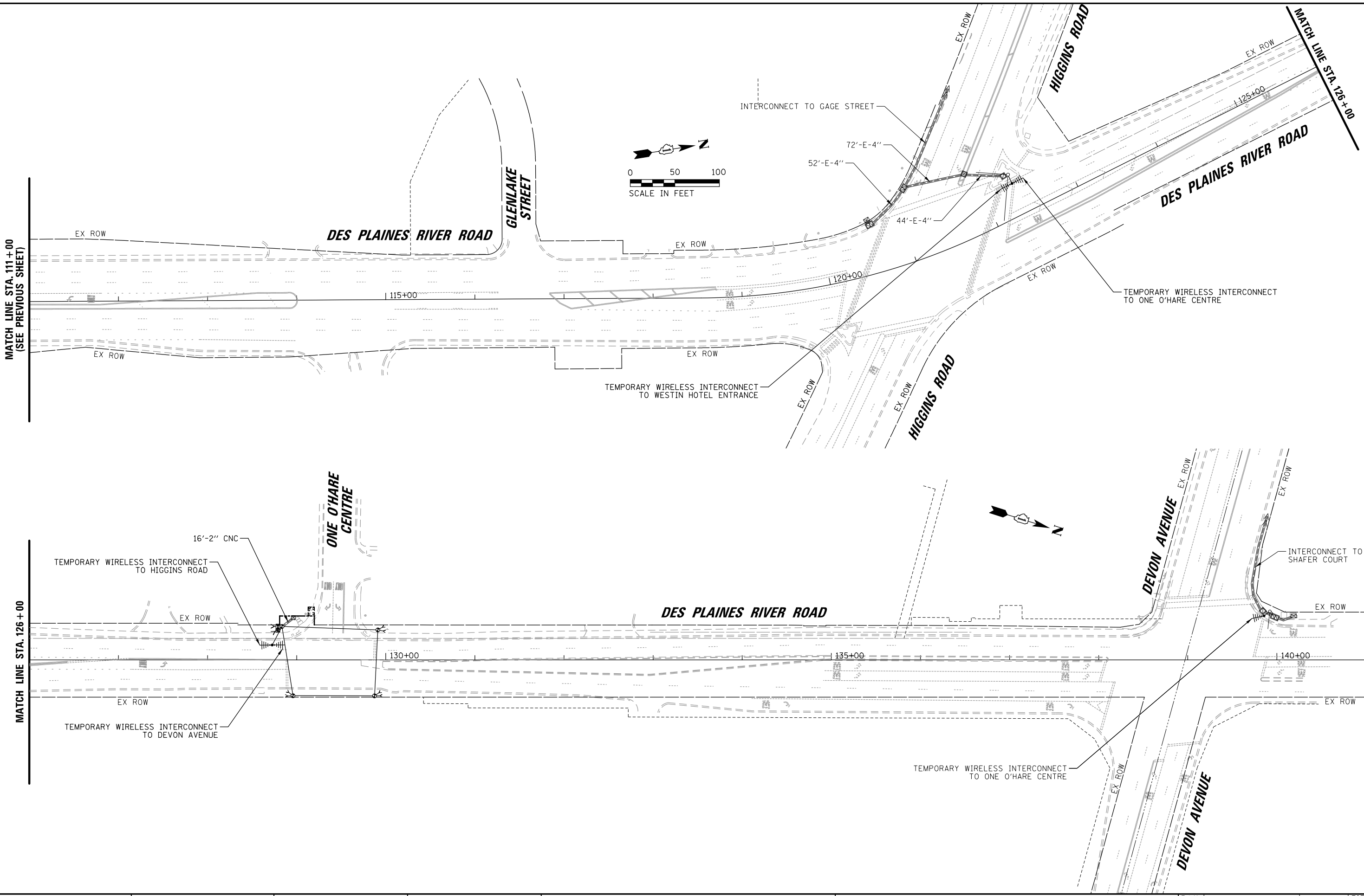
BY

DATE

CHB

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9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 923-0500

TS SHT NO. 63



|                                                                                                |                       |               |                |                                                   |                                                                                                            |  |  |                                  |                                                                                                                             |        |                 |              |
|------------------------------------------------------------------------------------------------|-----------------------|---------------|----------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|--|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------|-----------------|--------------|
| FILE NAME =<br>N:\ROSEMONT\20004\Traffic\High Visibility Backplate\Plans\RIVER-INT-Temp-03.dgn | USER NAME = bgunnells | DESIGNED - BG | REVISED -      | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TEMPORARY INTERCONNECT PLAN (SHEET 3 OF 3)<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |  |  | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION                                                                                                                     | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|                                                                                                | DRAWN - FPB           | REVISED -     | 19-00035-00-SP |                                                   |                                                                                                            |  |  |                                  | COOK                                                                                                                        | 101    | 93              |              |
|                                                                                                | PLOT SCALE = 100'     | CHECKED - EAJ | REVISED -      |                                                   |                                                                                                            |  |  |                                  | CONTRACT NO. 61L21                                                                                                          |        |                 |              |
|                                                                                                | PLOT DATE = 6/20/2025 | DATE -        | REVISED -      |                                                   |                                                                                                            |  |  |                                  | SCALE: 1" = 100'    SHEET NO.    OF    SHEETS    STA.    TO STA.    FED. ROAD DIST. NO. 1    ILLINOIS    FED. AID PROJECT : |        |                 |              |



PROFILE

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NOTE BOOK \_\_\_\_\_  
NO. \_\_\_\_\_

DATE \_\_\_\_\_

BY \_\_\_\_\_

STRUCTURE NOTATION CHKD

DATE \_\_\_\_\_

BY \_\_\_\_\_

CHRISTOPHER B. BURKE

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Rosemont, Illinois 60018  
(847) 923-0500

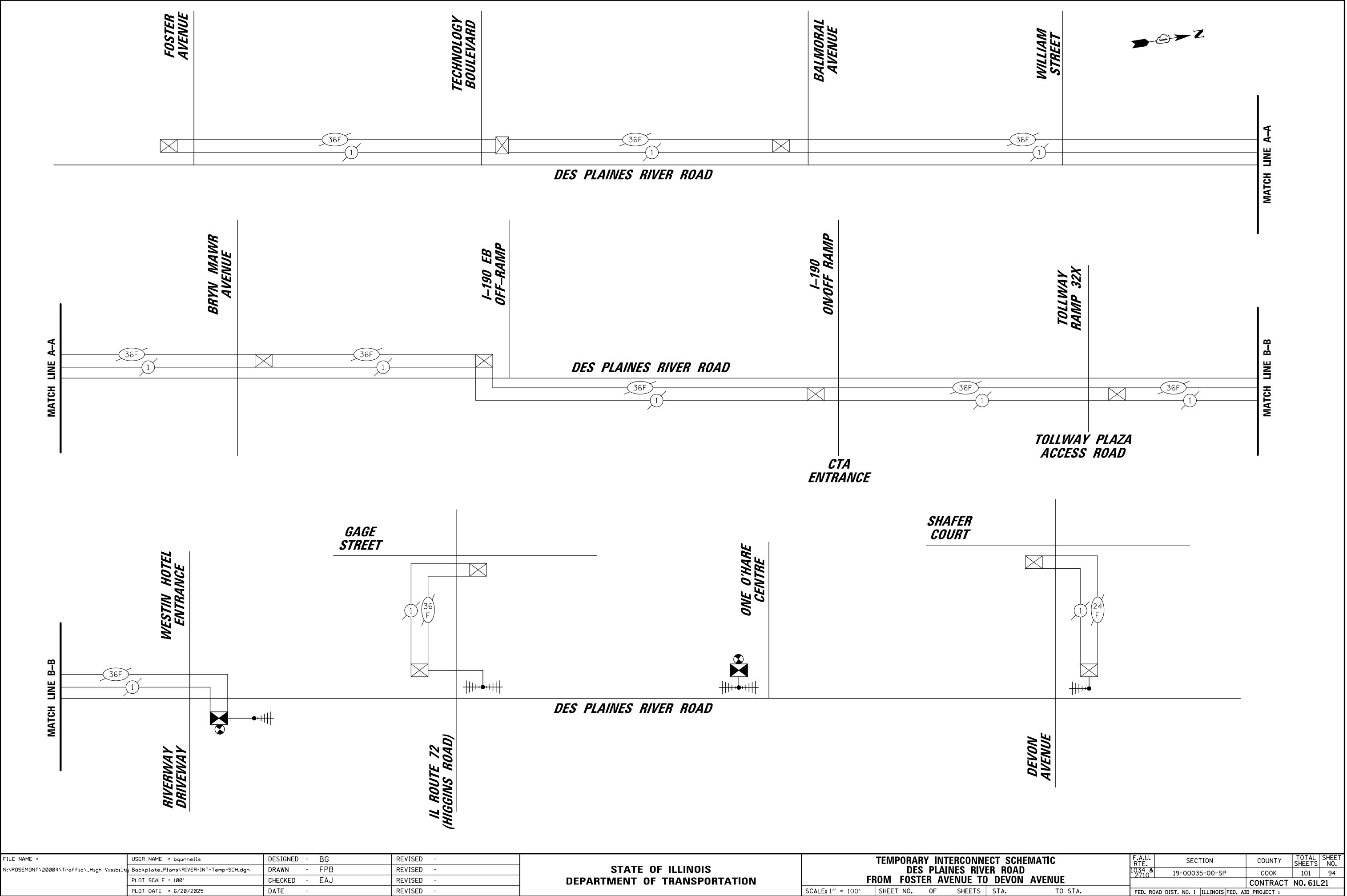
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NOTE BOOK \_\_\_\_\_  
NO. \_\_\_\_\_

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TS SHT NO. 64



|                                                       |                                        |                  |           |                                                   |                                                                                                  |              |  |                                                       |                                  |                           |                |                        |                    |
|-------------------------------------------------------|----------------------------------------|------------------|-----------|---------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------|--|-------------------------------------------------------|----------------------------------|---------------------------|----------------|------------------------|--------------------|
| FILE NAME =<br>N:\ROSEMONT\20004\Traffic\High Visibil | USER NAME = bgunnells                  | DESIGNED - BG    | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | TEMPORARY INTERCONNECT SCHEMATIC<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |              |  |                                                       | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>94 |
|                                                       | Backplate.Plans\RIVER-INT-Temp-SCH.dgn | DRAWN - FPB      | REVISED - |                                                   |                                                                                                  |              |  |                                                       | CONTRACT NO. 61L21               |                           |                |                        |                    |
|                                                       | PLOT SCALE = 100'                      | CHECKED - EAJ    | REVISED - |                                                   |                                                                                                  |              |  |                                                       |                                  |                           |                |                        |                    |
|                                                       | PLOT DATE = 6/20/2025                  | DATE -           | REVISED - |                                                   |                                                                                                  |              |  |                                                       |                                  |                           |                |                        |                    |
|                                                       |                                        | SCALE: 1" = 100' |           | SHEET NO. OF SHEETS                               |                                                                                                  | STA. TO STA. |  | FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT : |                                  |                           |                |                        |                    |

TS SHT NO. 65

PROFILE  
NOTE BOOK  
NO.

DATE  
BY

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(847) 823-0500

CB

ENGINEERING LTD.

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**CONSTRUCTION NOTES:**

- ① HANDHOLE SHALL REMAIN IN PLACE DURING CONSTRUCTION OF THE TRAFFIC SIGNAL TO PROVIDE TEMPORARY INTERCONNECT. AFTER THE PROPOSED INTERCONNECT IS OPERATIONAL, THE HANDHOLE SHALL BE REMOVED.
- ② THE CONTRACTOR SHALL TERMINATE 2 SINGLE MODE FIBERS AT RIVER/BALMORAL, 4 SINGLE MODE FIBERS AT RIVER/WILLIAM, AND 2 SINGLE MODE FIBERS AT RIVER/BRYN MAWR. THIS WORK SHALL BE INCLUDED IN THE UNIT COST FOR: FIBER OPTIC CABLE.

|                                                                               |                       |               |           |                                                   |                                                                                                           |  |  |                                                   |                |        |              |           |
|-------------------------------------------------------------------------------|-----------------------|---------------|-----------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------|----------------|--------|--------------|-----------|
| FILE NAME =                                                                   | USER NAME = bgunnells | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PROPOSED INTERCONNECT PLAN (SHEET 1 OF 3)<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |  |  | F.A.U. RTE.                                       | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\ROSEMONT\20004\Traffic\High Visibility Backplate\Plans\RIVER-INT-PR-01.dgn |                       | DRAWN - FPB   | REVISED - |                                                   |                                                                                                           |  |  | 1034 & 2710                                       | 19-00035-00-SP | COOK   | 101          | 95        |
|                                                                               | PLOT SCALE = 100'     | CHECKED - EAJ | REVISED - |                                                   | SCALE: 1" = 100'                                                                                          |  |  | CONTRACT NO. 61L21                                |                |        |              |           |
|                                                                               | PLOT DATE = 6/20/2025 | DATE -        | REVISED - |                                                   | SHEET NO. OF SHEETS STA. TO STA.                                                                          |  |  | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT : |                |        |              |           |

PROFILE

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NOTE BOOK  
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BY

TS SHT NO. 66

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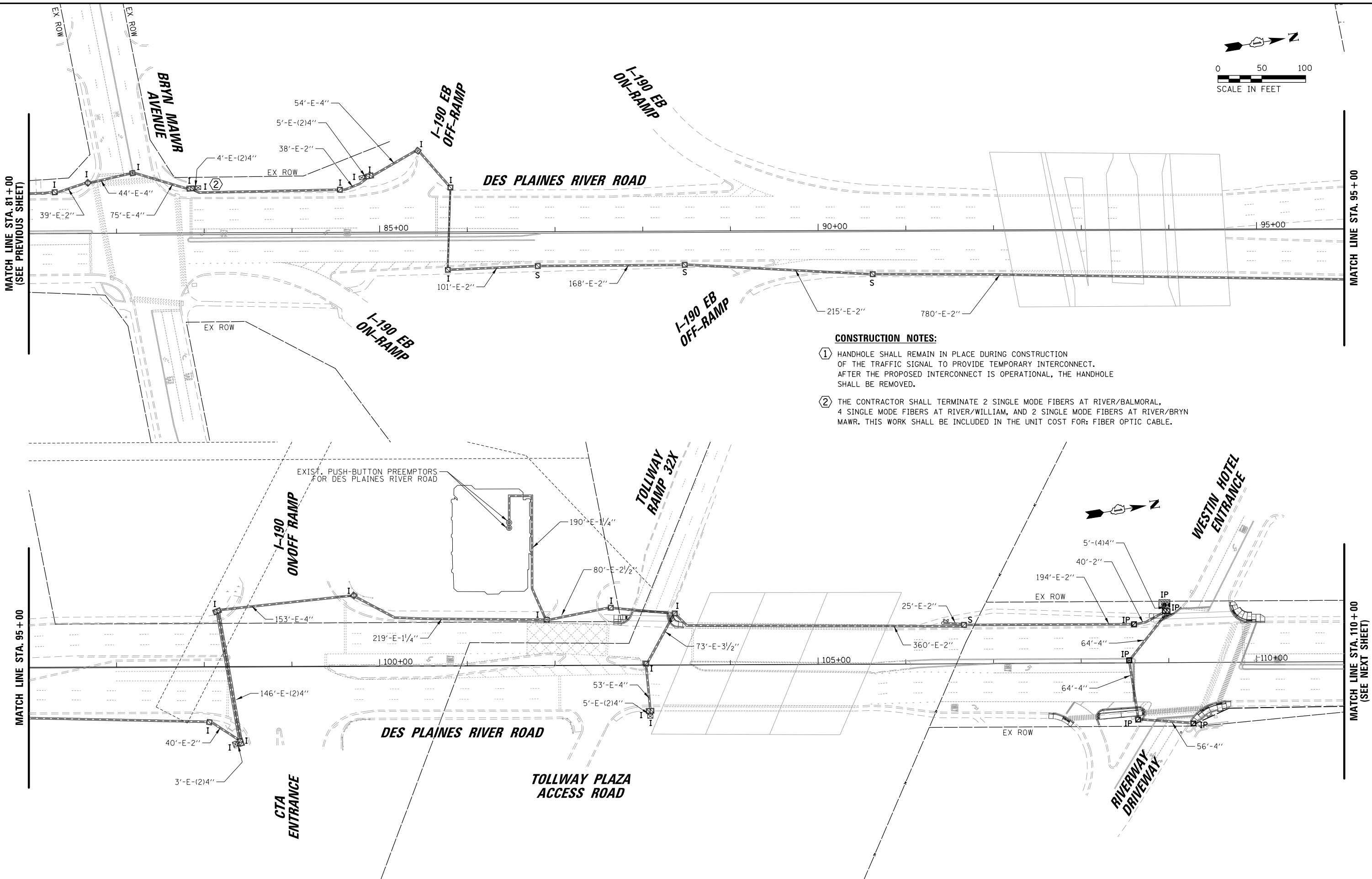
9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

PLAN

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PLOTTED  
NOTE BOOK  
NO.

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BY



|                                          |                                     |               |           |                                                   |                                                                                                           |  |  |  |                                  |         |        |                 |              |                                |
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| FILE NAME =                              | USER NAME = bgunnells               | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PROPOSED INTERCONNECT PLAN (SHEET 2 OF 3)<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |  |  |  | F.A.U.<br>RTE.<br>1034 &<br>2710 | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |                                |
| N:\ROSEMONT\20004\Traffic\High Visibilit | Backplate\Plans\RIVER-INT-PR-02.dgn | DRAWN - FPB   | REVISED - |                                                   |                                                                                                           |  |  |  | 19-00035-00-SP                   | COOK    | 101    | 96              |              |                                |
|                                          | PLOT SCALE = 100'                   | CHECKED - EAJ | REVISED - |                                                   |                                                                                                           |  |  |  | CONTRACT NO. 61L21               |         |        |                 |              |                                |
|                                          | PLOT DATE = 6/20/2025               | DATE -        | REVISED - |                                                   | SCALE: 1" = 100'                                                                                          |  |  |  | SHEET NO.                        | OF      | SHEETS | STA.            | TO STA.      | FED. ROAD DIST. NO. 1 ILLINOIS |

PROFILE

NOTE BOOK NO.

SURVEYED PLOTTED CHECKED BY DATE

STRUCTURE NOTATIONS CHKD

PLAN

NOTE BOOK NO.

SURVEYED PLOTTED CHECKED BY DATE

CAD FILE NAME

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BY

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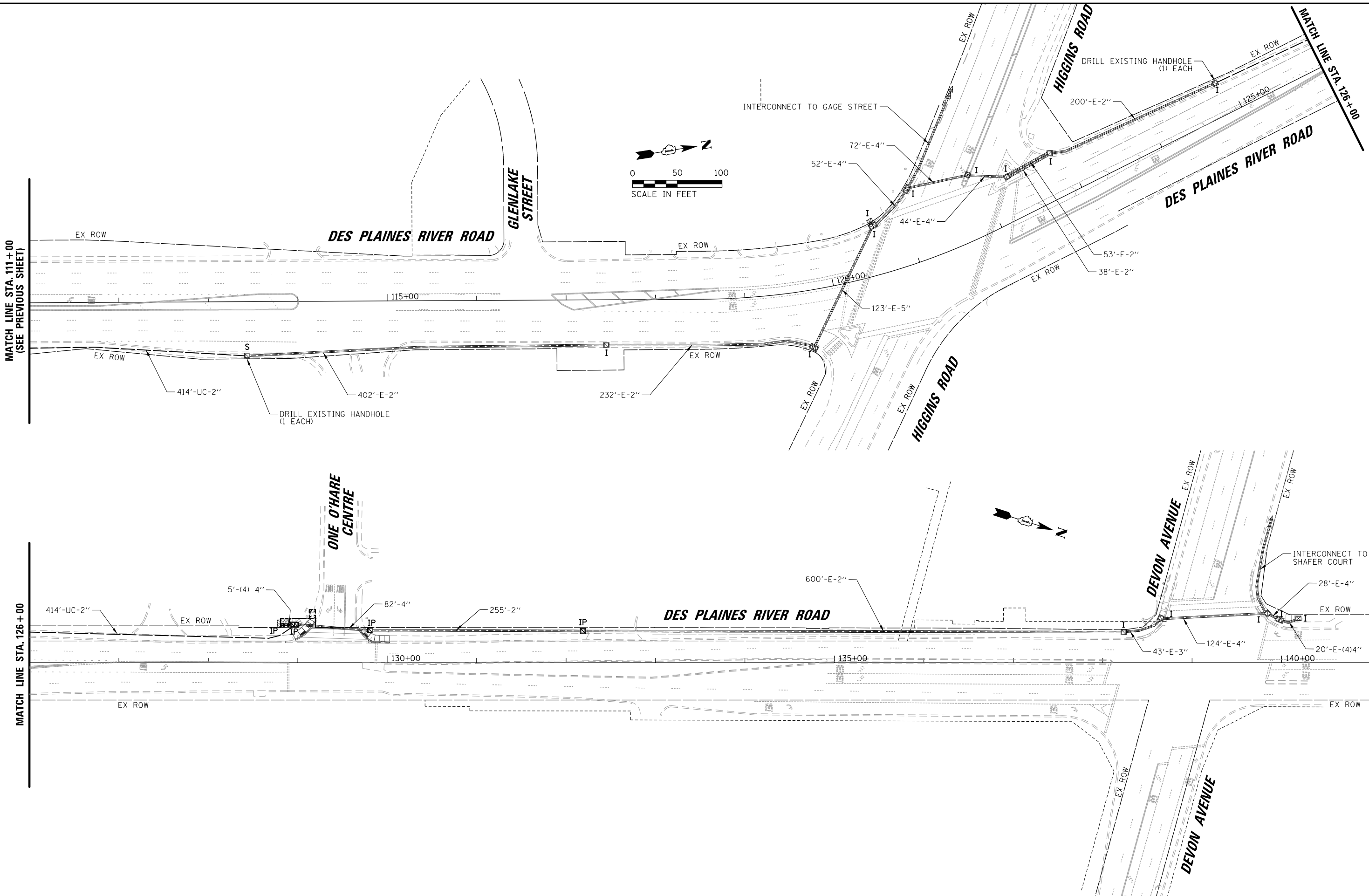
CHRISTOPHER B. BURKE

CB

DATE

BY

TS SHT NO. 67



|                                                                                              |                       |               |           |                                                   |                                                                                                           |                  |           |           |                            |                           |                |                     |                 |
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| FILE NAME =<br>N:\ROSEMONT\20004\Traffic\High Visibility Backplate\Plans\RIVER-INT-PR-03.dgn | USER NAME = bgunnells | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | PROPOSED INTERCONNECT PLAN (SHEET 3 OF 3)<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |                  |           |           | F.A.U. RTE.<br>1034 & 2710 | SECTION<br>19-00035-00-SP | COUNTY<br>COOK | TOTAL SHEETS<br>101 | SHEET NO.<br>97 |
|                                                                                              | PLOT SCALE = 100'     | CHECKED - EAJ | REVISED - |                                                   |                                                                                                           |                  |           |           |                            |                           |                |                     |                 |
|                                                                                              | PLOT DATE = 6/20/2025 | DATE -        | REVISED - |                                                   |                                                                                                           |                  |           |           |                            |                           |                |                     |                 |
|                                                                                              |                       |               |           |                                                   |                                                                                                           | SCALE: 1" = 100' | SHEET NO. | OF SHEETS |                            |                           |                |                     |                 |

PROFILE

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BY \_\_\_\_\_

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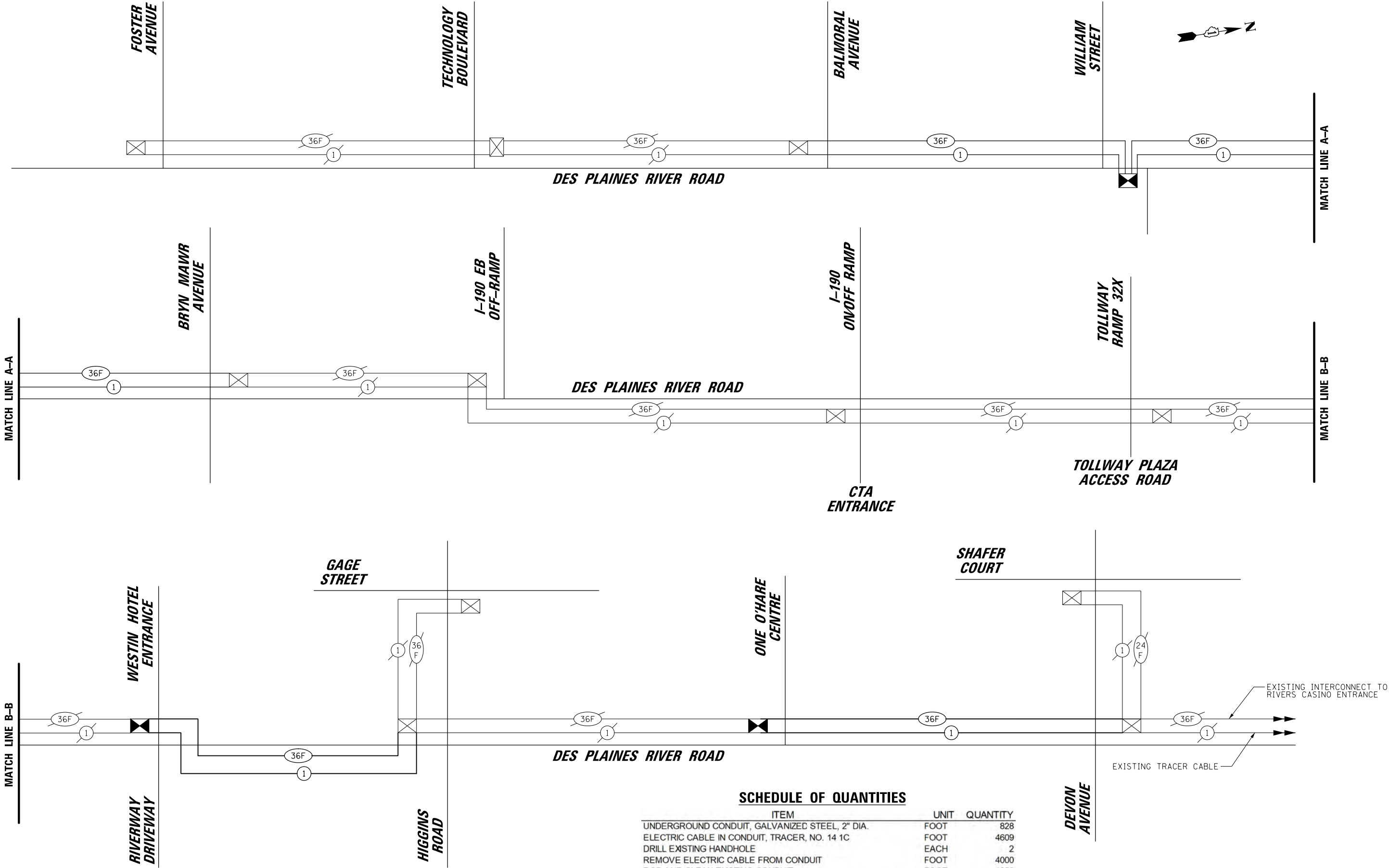
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BY \_\_\_\_\_

TS SHT NO. 68



SCHEDULE OF QUANTITIES

| ITEM                                                    | UNIT | QUANTITY |
|---------------------------------------------------------|------|----------|
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.          | FOOT | 828      |
| ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C            | FOOT | 4609     |
| DRILL EXISTING HANDHOLE                                 | EACH | 2        |
| REMOVE ELECTRIC CABLE FROM CONDUIT                      | FOOT | 4000     |
| ROD AND CLEAN EXISTING CONDUIT                          | FOOT | 1350     |
| FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F | FOOT | 4609     |

|                                                                                            |                       |               |           |                                                   |                                                                                        |    |      |                                                       |                        |             |                  |              |
|--------------------------------------------------------------------------------------------|-----------------------|---------------|-----------|---------------------------------------------------|----------------------------------------------------------------------------------------|----|------|-------------------------------------------------------|------------------------|-------------|------------------|--------------|
| FILE NAME = N:\ROSEMONT\20004\Traffic\High Visibility Backplate.Plans\RIVER-INT-PR-SCH.dgn | USER NAME = bgunnells | DESIGNED - BG | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | INTERCONNECT SCHEMATIC<br>DES PLAINES RIVER ROAD<br>FROM FOSTER AVENUE TO DEVON AVENUE |    |      | F.A.U. RTE. 1034 & 2710                               | SECTION 19-00035-00-SP | COUNTY COOK | TOTAL SHEETS 101 | SHEET NO. 98 |
|                                                                                            | PLOT SCALE = 100'     | CHECKED - EAJ | REVISED - |                                                   |                                                                                        |    |      | CONTRACT NO. 61L21                                    |                        |             |                  |              |
|                                                                                            | PLOT DATE = 6/20/2025 | DATE -        | REVISED - |                                                   |                                                                                        |    |      | FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT : |                        |             |                  |              |
| SCALE: 1" = 100'                                                                           |                       | SHEET NO.     | OF        | SHEETS                                            | STA.                                                                                   | TO | STA. |                                                       |                        |             |                  |              |



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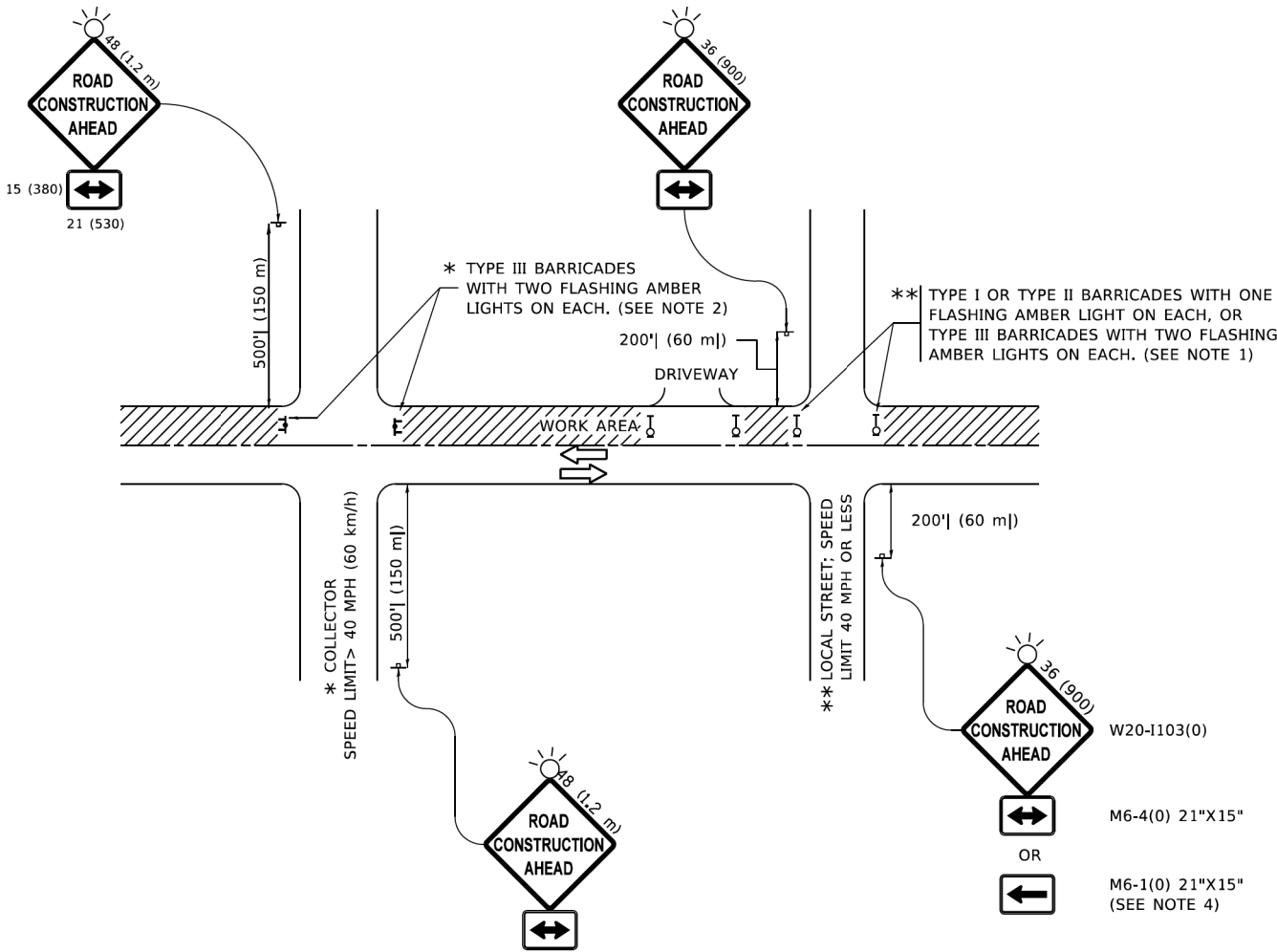
|            |                     |          |          |         |                         |
|------------|---------------------|----------|----------|---------|-------------------------|
| USER NAME  | = Lawrence.DeManche | DESIGNED | - L.H.A. | REVISED | - T. RAMMACHER 01-06-00 |
|            |                     | DRAWN    | -        | REVISED | - A. SCHUETZE 07-01-13  |
| PLOT SCALE | = 100,0000 ' / in.  | CHECKED  | -        | REVISED | - A. SCHUETZE 09-15-16  |
| PLOT DATE  | = 5/3/2024          | DATE     | - 06-89  | REVISED | - D. SENDERAK 05-03-24  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE    SHEET 1 OF 1 SHEETS    STA. TO STA.

|                                |                           |                  |                        |                    |
|--------------------------------|---------------------------|------------------|------------------------|--------------------|
| F.A.<br>RTE.<br>1034 &<br>2710 | SECTION<br>19-00035-00-SP | COUNTY<br>COOK   | TOTAL<br>SHEETS<br>101 | SHEET<br>NO.<br>99 |
| TC-10                          |                           | CONTRACT NO61L21 |                        |                    |
|                                |                           | ILLINOIS         | FED. AID PROJECT       |                    |

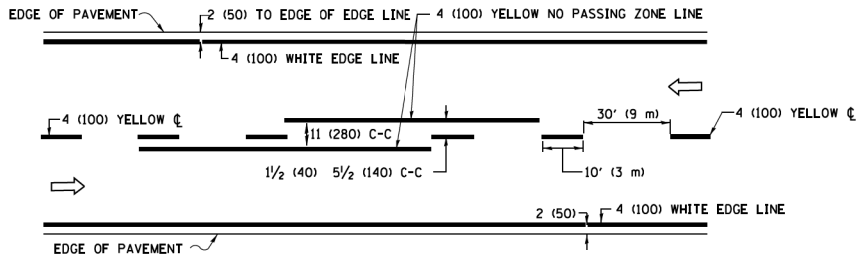


NOTES:

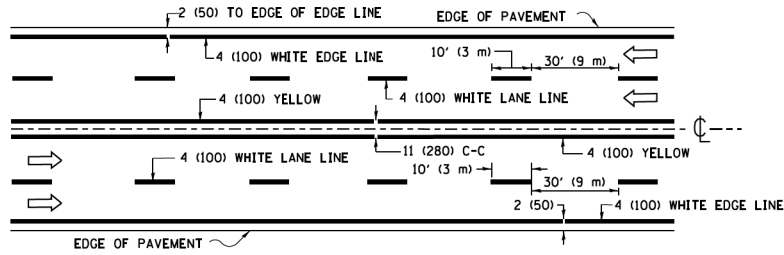
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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 AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

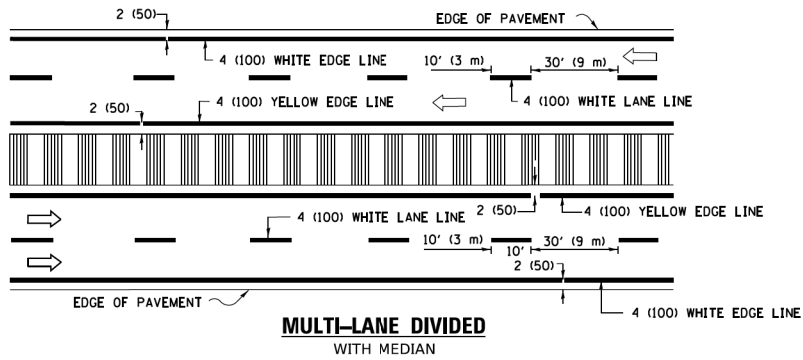
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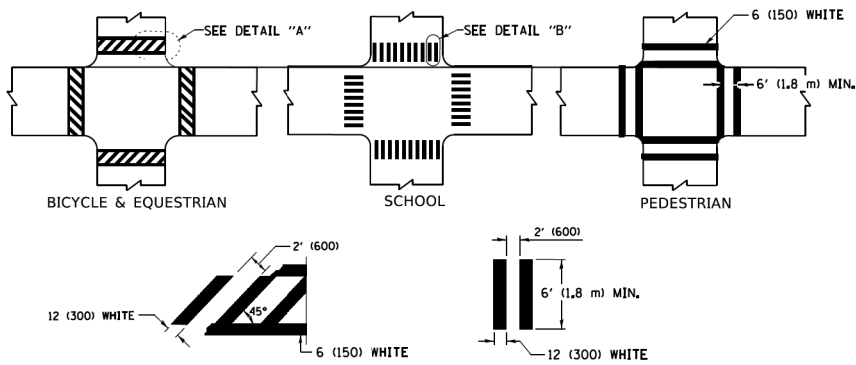
### 2-LANE ROADWAY



### MULTI-LANE UNDIVIDED



### TYPICAL LANE AND EDGE LINE MARKING

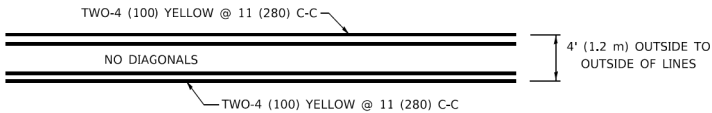


#### DETAIL "A"

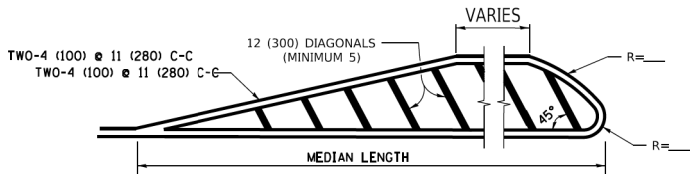
#### DETAIL "B"

### TYPICAL CROSSWALK MARKING

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

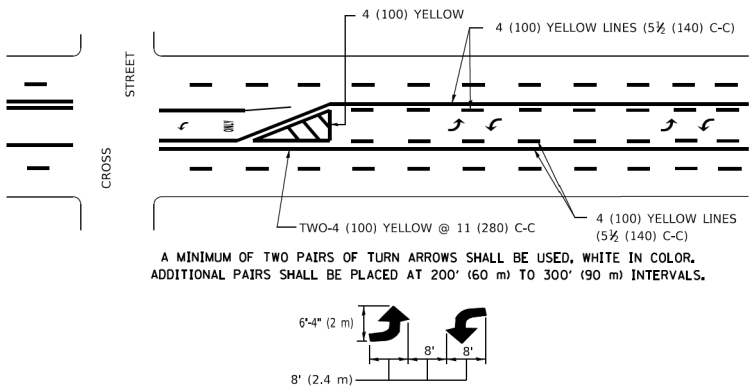


### 4' (1.2 m) WIDE MEDIANS ONLY



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

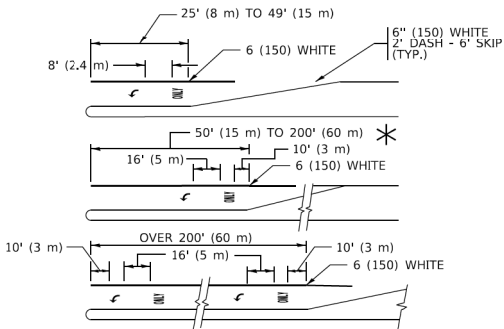
### MEDIANS OVER 4' (1.2 m) WIDE



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

### MEDIAN WITH TWO-WAY LEFT TURN LANE

### TYPICAL PAINTED MEDIAN MARKING

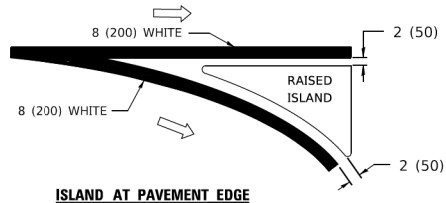
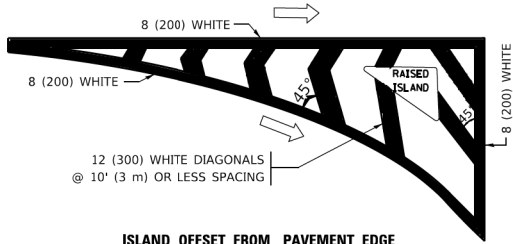


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

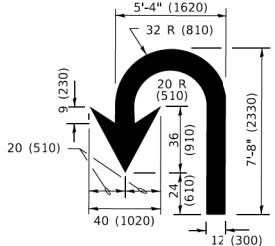
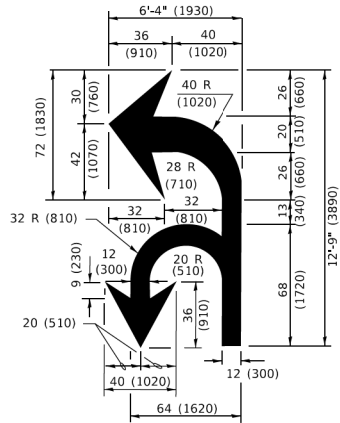
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

### TYPICAL LEFT (OR RIGHT) TURN LANE

### TYPICAL TURN LANE MARKING



### TYPICAL ISLAND MARKING



### LANE REDUCTION TRANSITION

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

| 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)<br>2 @ 4 (100)                                                                     | SOLID<br>SOLID               | YELLOW<br>YELLOW                                        | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN                                                                     |
| LANE LINES                                                                                        | 4 (100)<br>5 (125) ON FREEWAYS                                                             | SKIP-DASH<br>SKIP-DASH       | WHITE<br>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<br>WHITE-RIGHT                              | OUTLINE MEDIANS IN YELLOW                                                                                                                                          |
| 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<br>8' (2.4m) LEFT ARROW                                         | SKIP-DASH AND SOLID IN PAIRS | YELLOW<br>WHITE                                         | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE<br>SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL           |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90°                                            | SOLID<br>SOLID<br>SOLID      | WHITE<br>WHITE<br>WHITE                                 | NOT LESS THAN 6' (1.8 m) APART<br>2' (600) APART<br>2' (600) APART<br>SEE 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°<br>NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID                        | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING.                                                                                            |
| GORE MARKING AND CHANNELIZING LINES                                                               | 8 (200) WITH 12 (300) DIAGONALS @ 45°                                                      | SOLID                        | WHITE                                                   | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)<br>30' (9 m) C-C (OVER 45MPH (70 km/h))              |
| RAILROAD CROSSING                                                                                 | 24 (600) TRANSVERSE LINES: "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"               | SOLID                        | WHITE                                                   | SEE STATE STANDARD 780001<br>AREA OF:<br>*R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH<br>*X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )                                     |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')                                                  | 12 (300) @ 45°                                                                             | SOLID                        | WHITE - RIGHT<br>YELLOW - LEFT                          | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>150' (45 m) C-C (OVER 45MPH (70 km/h))                       |
| U TURN ARROW                                                                                      | SEE DETAIL                                                                                 | SOLID                        | WHITE                                                   | 16.3 SF                                                                                                                                                            |
| 2 ARROW COMBINATION LEFT AND U TURN                                                               | SEE DETAIL                                                                                 | SOLID                        | WHITE                                                   | 30.4 SF                                                                                                                                                            |

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

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

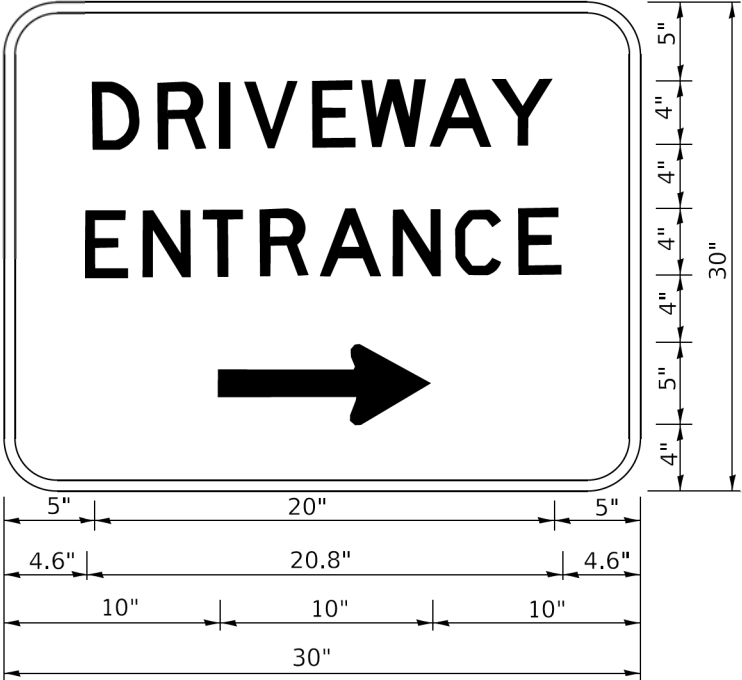
|                             |                  |                              |
|-----------------------------|------------------|------------------------------|
| USER NAME = footemj         | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
|                             | DRAWN -          | REVISED - C. JUCIUS 07-01-13 |
| PLOT SCALE = 50.0000' / in. | CHECKED -        | REVISED - C. JUCIUS 12-21-15 |
| PLOT DATE = 3/4/2019        | DATE - 03-19-90  | REVISED - C. JUCIUS 04-12-16 |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

|                       |                        |                    |                  |               |
|-----------------------|------------------------|--------------------|------------------|---------------|
| F.A. RTE. 1034 & 2710 | SECTION 19-00035-00-SP | COUNTY COOK        | TOTAL SHEETS 101 | SHEET NO. 100 |
| TC-13                 |                        | CONTRACT NO. 61L21 |                  |               |
| ILLINOIS              |                        | FED. AID PROJECT   |                  |               |



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- NOTES:
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
  2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE  
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)  
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY  
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE  
FAR LEFT SIDE OF THE DRIVEWAY.
  3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL Default  
FILE Name: p:\planroom\dot.illinois.gov\p\W\DOT\Documents\DOT\_Offices\District 1\Projects\DU45422\2-1\CADData\CADsheets\126.dgn

MODEL: Default  
FILE NAME: DWG

|  |                              |            |                              |                                                   |                           |             |                     |              |                           |                           |                   |                     |                  |  |  |  |
|--|------------------------------|------------|------------------------------|---------------------------------------------------|---------------------------|-------------|---------------------|--------------|---------------------------|---------------------------|-------------------|---------------------|------------------|--|--|--|
|  | USER NAME = leysa            | DESIGNED - | REVISED - C. JUCIUS 02-15-07 | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | DRIVEWAY ENTRANCE SIGNING | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | F.A. RTE.<br>1034 & 2710  | SECTION<br>19-00035-00-SP | COUNTY<br>COOK    | TOTAL SHEETS<br>101 | SHEET NO.<br>101 |  |  |  |
|  | PLOT SCALE = 50.0000 ' / in. | DRAWN -    | REVISED -                    |                                                   |                           |             |                     |              | TC-26                     |                           | CONTRACT NO.61L21 |                     |                  |  |  |  |
|  | PLOT DATE = 8/6/2021         | CHECKED -  | REVISED -                    |                                                   |                           |             |                     |              | ILLINOIS FED. AID PROJECT |                           |                   |                     |                  |  |  |  |
|  |                              | DATE -     | REVISED -                    |                                                   |                           |             |                     |              |                           |                           |                   |                     |                  |  |  |  |