

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	1
FAU 1503 & 1509, MUN 1157		ILLINOIS	CONTRACT NO. 61M10	

09-18-2026 LETTING ITEM 023

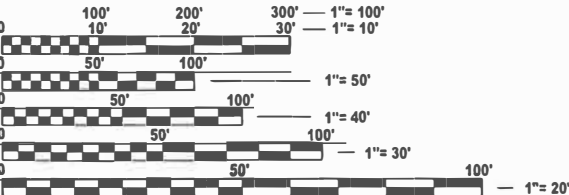
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
FAU ROUTE 1503 & 1509,
MUN ROUTE 1157
E INDIAN TRAIL RD - OHIO ST TO PENNSBURY LN
RESURFACING AND TRAFFIC SIGNAL MODERNIZATION
SECTION 23-00358-00-TL
PROJECT V6YU(934)
CITY OF AURORA
KANE & DUPAGE COUNTIES



KIMLEY-HORN & ASSOCIATES, INC.
ADAM KUCHARSKI, P.E.
#062-066208
Adam Kucharski
02-27-2026
ILLINOIS PROFESSIONAL ENGINEER
EXPIRATION DATE: 11-30-2027

FUNCTIONAL CLASSIFICATION
URBAN MINOR ARTERIAL
2023 ADT = 16,800
P.V. = 96.5% S.U. = 1.2% M.U. = 2.3%
POSTED SPEED LIMIT: 35 MPH

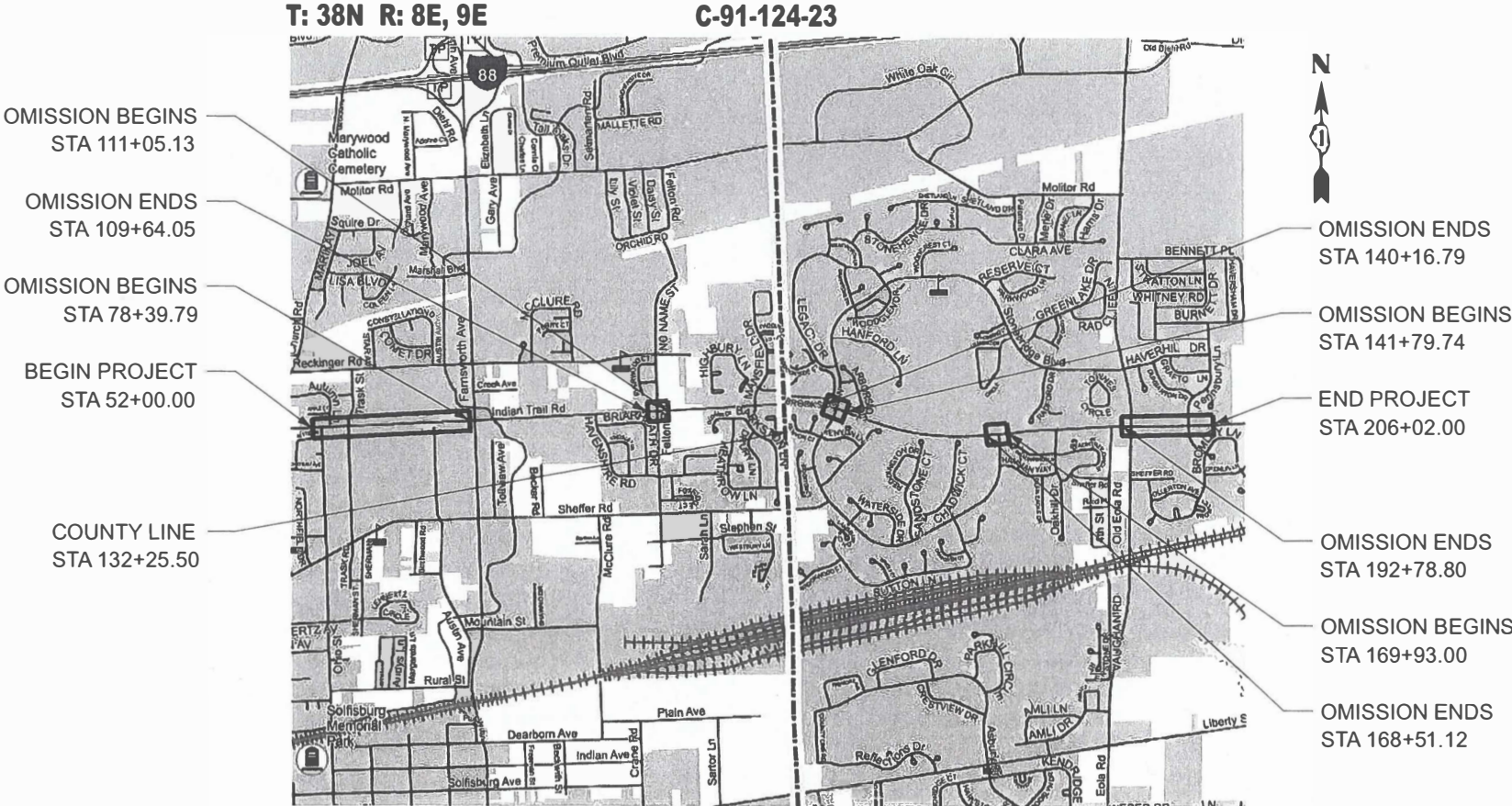


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JACKSON ROBBERT, E.I.
PROJECT MANAGER: ADAM KUCHARSKI, P.E.

CONTRACT NO. 61M10



LOCATION MAP
NOT TO SCALE
GROSS LENGTH = 15402.00 FT. = 2.92 MILE
NET LENGTH = 4295.62 FT. = 0.81 MILE
PROJECT OMISSIONS
FARNSWORTH AVE TO FELTEN RD: STA 78+39.79 TO STA 109+64.05
FELTEN RD TO W STONEBRIDGE BLVD: STA 111+05.13 TO STA 140+16.79
W STONEBRIDGE BLVD TO E STONEBRIDGE BLVD: STA 141+79.74 TO STA 168+51.12
E STONEBRIDGE BLVD TO EOLA RD: STA 169+93.00 TO STA 192+78.80

Kimley»Horn
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
APPROVED *November 13, 2025*
CITY OF AURORA, ENGINEERING COORDINATOR
PASSED *July 17, 2026*
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW
REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

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606301-04	PC CONCRETE ISLANDS AND MEDIANS
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 ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
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TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

GENERAL NOTES

1. GENERAL

a.

ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JAN 1, 2026; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

b.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF AURORA, IDOT, AND WITH ANY OTHER ROADWAY PROJECTS WITHIN THE 61G79 CONTRACT AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.

c.

ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

d.

THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (630-256-3202) AT LEAST 72 HOURS PRIOR TO BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. THE STORAGE OF EQUIPMENT OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL CONTACT THE CITY OF AURORA PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN CITY UTILITY LOCATIONS.

e.

PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE/SHE MUST IMMEDIATELY REPORT THEM TO THE ENGINEER BEFORE DOING ANY WORK. OTHERWISE, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF A DISAGREEMENT BETWEEN THE CONTRUCTION PLANS, STANDARD SPECIFICATIONS, AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONCTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK AND EXPENSE.

f.

THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION, EXCEPT FOR BRIEF PERIODS OF INTERRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER NO LESS THAN 24 HOURS IN ADVANCE OF THE INTERRUPTION OF ACCESS AND/OR SERVICES. THE NOTIFICATION WILL INCLUDE THE TIME AND DURATION OF THE INTERRUPTION.

g.

THE CONTRACTOR SHALL LIMIT ALL CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

h.

THE REMOVAL AND REPLACEMENT OF SIDEWALK AND CURB WITHIN THE PROJECT LIMITS SHALL BE AT THE DISCRETION OF THE RESTIDENT ENGINEER. ADDITIONAL QUANTITIES HAVE BEEN ACCOUNTED FOR IN THE SUMMARY OF QUANTITIES.
2. REMOVAL

a.

ALL EXCESS MATERIAL SHALL BE DISPOSED OF OFFSITE ON THE DAY IT IS EXCAVATED OR REMOVED.

b.

THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND LEGALLY DISPOSED OF OUTSIDE THE RIGHT-OF-WAY.

c.

TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BE CONFIRMED WITH THE CITY FOR SALVAGE BEFORE REMOVING FROM THE PROJECT SITE. ITEMS DESIGNATED FOR SALVAGE BY THE CITY SHALL BE CAREFULLY REMOVED AND RETURNED TO THE CITY.

d.

CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT.
3. DRAINAGE

a.

UNLESS OTHERWISE NOTED ON THE PLANS, THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY.
4. SIGNS

a.

ALL UNUSED SIGNS SHALL BE RETURNED TO THE CITY.

b.

EXISTING SIGNS THAT ARE TO REMAIN IN PLACE ARE NOT SHOWN IN THE PLANS.

GENERAL NOTES (CONTINUED)

5. UTILITIES

a.

THE CONTRACTOR SHALL CONTACT JULIE AT (800) 892-0123 FOR FIELD LOCATION OF UTILITIES.
6. TRAFFIC SIGNALS

a.

ALL MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE POSITIONED OVER THE CENTER OF EACH ASSOCIATED TRAVEL LANE AS SHOWN ON THE PLANS.

b.

THE LOCATION OF THE PEDESTRIAN PUSH BUTTONS MUST BE PARALLEL TO THE CROSSWALK. PEDESTRIAN PUSH BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG AND DISTRICT 1 DETAIL. THE CONTRACTOR WILL BE ALLOWED TO UTILIZE PUSH BUTTON EXTENSION HARDWARE TO COMPLY WITH ADA/PROWAG PUSH BUTTON REQUIREMENTS ONLY IF COMPLIANCE CANNOT BE OBTAINED BY FIELD ADJUSTMENT OF PROPOSED SIDEWALK AND/OR TRAFFIC SIGNAL SUPPORTS.

PROJECT CONTACTS:

ASTOUND WILLIAM NG WILLIAM.NG@ASTOUND.COM PH: (312) 955-2256	AT&T / KCI TECHNOLOGIES KEN CAUDILL KEN.CAUDILL@KCI.COM PH: (240) 215-7041
CITY OF AURORA TIM WEIDNER, P.E. WEIDNERT@AURORA.IL.US PH: (630) 256-3202	CITY OF AURORA- ELECTRICAL DIVISION JOE SCHAG SCHAGJ@AURORA.IL.US PH: (630) 256-3821
CITY OF AURORA- IT FIBER RILEY CUNNINGHAM CUNNINGHAMR@AURORA.IL.US PH: (630) 256-3465	CROWN CASTLE FIBER DIG TEAM FIBER.DIG@CROWNCastle.COM PH: (800) 654-3110
COMED PATRICIA RODRIGUEZ PATRICIARODRIGUEZ@USICLLC.COM PH: (630) 396-8225	DUPAGE COUNTY DOT JERMEY LEE, P.E. JERMEY.LEE@DUPAGECOUNTY.GOV PH: (630) 407-6884
FOX METRO WATER RECALM DISTRICT KERRY K. BEHR, P.E., CFM KBEHR@FOXMETRO.ORG PH: (630) 301-6805	LUMEN HALEY WOODS RELOCATIONS@LUMEN.COM PH: (877) 366-8344
NICOR KAREY JOHNSON KAREJOHN@SOUTHERNCO.COM PH: (224) 471-9356	RESIDENT ENGINEER FOR CONTRACT 61G79 RAMSEY SALAHAT, P.E. RSALAHAT@GFTINC.COM PH: (630) 849-6832
PRIMROSE SCHOOL OF EAST AURORA PH: (630) 566-0549	GWENDOLYN BROOKS ELEMENTARY SCHOOL CAROL BETZOLD CAROL_BETZOLD@IPSD.ORG PH: (630) 375-3200

COMMITMENTS

1. COORDINATION WITH RESIDENTS ABOUT THE PROJECT AND SIDEWALK CLOSURES WILL BE REQUIRED AT THE BEGINNING OF PHASE III ONCE THE CONTRACTOR IS SELECTED AND SCHEDULE HAS BEEN DEFINED. PRIOR TO CONSTRUCTION, THE CITY WILL DISTRIBUTE CONSTRUCTION NOTICES TO ALL RESIDENTS DIRECTLY ADJACENT TO THE PROJECT AND SOLICIT ANYONE IN THE HOUSEHOLD THAT REQUIRES SPECIAL ASSISTANCE. ADDITIONAL NOTICES WILL BE DISTRIBUTED TO LOCAL NEIGHBORHOOD GROUPS AND HOMEOWNERS' ASSOCIATIONS IMPACTED BY THE PROJECT.

MODEL: GenNotes [Sheet]
FILE NAME: c:\pwwork\100536734\268378002-SHT-GeneralNotes.dgn



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401 WILFRED ROAD, SUITE 600
WARRENVILLE, IL 60050
PHONE: (630) 487-6500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES

SCALE: NTS	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	2
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_01 [Sheet]
FILE NAME: c:\pwwork1\60536734\268378002-SHT-SQQ.dgn

= SPECIALTY ITEMS

					CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
#	CODE NO.	ITEM	UNIT	TOTAL QUANTITY				
					ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
#	20101100	TREE TRUNK PROTECTION	EACH	12	12			
#	20101200	TREE ROOT PRUNING	EACH	12	12			
#	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	6	6			
#	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6			
	20200100	EARTH EXCAVATION	CU YD	122	122			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	61	61			
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	201	201			
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1804	1804			
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23			
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23			
	25200110	SODDING, SALT TOLERANT	SQ YD	1804	1804			
	25200200	SUPPLEMENTAL WATERING	UNIT	91	91			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	38	38			
	28000400	PERIMETER EROSION BARRIER	FOOT	1523	1523			
	28000510	INLET FILTERS	EACH	62	62			



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DESIGNED	-	JRR
DRAWN	-	JRR
CHECKED	-	AMK
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 1	OF 12 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	3
		** = FAU 1503 & 1509, MUN 1157		
		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_02 [Sheet]
FILE NAME: c:\pwwork1\636734\268378002-SHT-SQQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
				ROADWAY	SAFETY	LIGHTING	TRAINEES
				0005	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1128	1128			
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	158	158			
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	416	416			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	15835	15835			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	11858	11858			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	230	230			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2944	2944			
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	36	36			
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1980	1980			
42001300	PROTECTIVE COAT	SQ YD	1454	1454			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	57	57			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9839	9839			
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	261	261			
42400800	DETECTABLE WARNINGS	SQ FT	602	602			
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	155	155			

= SPECIALTY ITEMS



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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633" / 1in.
PLOT DATE	= 7/8/2026

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DRAWN -	JRR
CHECKED -	AMK
DATE -	

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 2	OF 12	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	4
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_03 [Sheet]
FILE NAME: c:\pwwork1\6156734\268378002-SHT-SQQ.dgn

				CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY				
				ROADWAY	SAFETY	LIGHTING	TRAINEES
				0005	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	23358	23358			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	86	86			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1038	1038			
44000600	SIDEWALK REMOVAL	SQ FT	6360	6360			
44003100	MEDIAN REMOVAL	SQ FT	184	184			
44201299	DOWEL BARS 1 1/2"	EACH	292	292			
44213204	TIE BARS 3/4"	EACH	24	24			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	348	348			
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	470	470			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	221	221			
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	180	180			
#	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50		
#	66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5		
#	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
#	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		

= SPECIALTY ITEMS



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DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 3	OF 12	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	5
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_04 [Sheet]
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#	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
					ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	35	35			
	67100100	MOBILIZATION	L SUM	1	1			
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1		
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1		
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1		
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1		1		
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1		
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	504		504		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	7866	7866			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3933	3933			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3933	3933			
#	72000100	SIGN PANEL - TYPE 1	SQ FT	227.5	227.5			
#	72000200	SIGN PANEL - TYPE 2	SQ FT	154.5	154.5			
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1			

= SPECIALTY ITEMS



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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 "/in.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 4	OF 12	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	6
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SOQ_05 [Sheet]
FILE NAME: c:\pwwork1\61536734\268378002-SHT-SOQ.dgn

= SPECIALTY ITEMS

				CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY				
				ROADWAY	SAFETY	LIGHTING	TRAINEES
				0005	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	5	5			
# 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	34	34			
# 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3	3			
# 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	583	583			
# 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9734	9734			
# 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4252	4252			
# 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1292	1292			
# 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	570	570			
# 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	228	228			
# 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	583	583			
# 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	9734	9734			
# 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	4252	4252			
# 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1292	1292			
# 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	570	570			
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3398	3398			



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DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	7
		** = FAU 1503 & 1509, MUN 1157		
		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

MODEL: SQO_06 [Sheet]
FILE NAME: c:\pwwork1\6156734\268378002-SHT-SQO.dgn

= SPECIALTY ITEMS

					CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
#	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1821		1821		
#	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	544		544		
#	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1742		1742		
#	81400100	HANDHOLE	EACH	11		11		
#	81400300	DOUBLE HANDHOLE	EACH	8		8		
#	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3600			3600	
#	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4			4	
#	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8		8		
#	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2300		2300		
#	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	5300		5300		
#	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	8900		8900		
#	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	12700		12700		
#	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6100		6100		
#	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	250		250		
#	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	10150		10150		



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PLOT SCALE	= 0.16666633" / 1in.
PLOT DATE	= 7/8/2026

DESIGNED	-	JRR
DRAWN	-	JRR
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DATE	-	

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REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 6	OF 12 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	8
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_7 [Sheet]
FILE NAME: c:\pwwork1\0536734\268378002-SHT-SQQ.dgn

= SPECIALTY ITEMS

					CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
#	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	15		15		
#	87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1		1		
#	87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	2		2		
#	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2		2		
#	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1		
#	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	3		3		
#	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1		
#	87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1		1		
#	87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1		1		
#	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1		1		
#	87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1		1		
#	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT	EACH	1		1		
#	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	2		2		
#	87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1		1		
#	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	60		60		



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PLOT SCALE	= 0.16666633 "/in.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

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REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 7	OF 12 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	9
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_08 [Sheet]
FILE NAME: c:\pwwork1\60536734\268378002-SHT-SQQ.dgn

= SPECIALTY ITEMS

					CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
#	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	44		44		
#	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	168		168		
#	87900200	DRILL EXISTING HANDHOLE	EACH	17		17		
#	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	32		32		
#	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	26		26		
#	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	12		12		
#	88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	12		12		
#	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1		
#	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1		1		
#	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	28		28		
#	88600100	DETECTOR LOOP, TYPE I	FOOT	48		48		
#	88700200	LIGHT DETECTOR	EACH	11		11		
#	88700300	LIGHT DETECTOR AMPLIFIER	EACH	5		5		
#	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	5		5		
#	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	20528		20528		



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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 "/td>
PLOT DATE	= 7/8/2026

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DRAWN	-	JRR
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DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 8	OF 12 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	10
		** = FAU 1503 & 1509, MUN 1157		
		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_09 [Sheet]
FILE NAME: c:\pwwork1\61536734\268378002-SHT-SQQ.dgn

= SPECIALTY ITEMS

					CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY				
					ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
#	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5		5		
#	89502380	REMOVE EXISTING HANDHOLE	EACH	24		24		
#	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	37		37		
	K0036117	MULCH PLACEMENT 2"	SQ YD	63	63			
#	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2900		2900		
#	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	56		56		
#	X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1		1		
	X0327036	BIKE PATH REMOVAL	SQ YD	248	248			
#	X0327211	RELOCATE SWITCH	EACH	10		10		
#	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	16	16			
	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	96	96			
#	X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	900		900		
#	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	8		8		
#	X1400368	RELOCATE EXISTING PTZ CAMERA	EACH	10		10		
#	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3		3		



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PLOT SCALE	= 0.16666633" / 1in.
PLOT DATE	= 7/8/2026

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REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 9	OF 12 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	11
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_10 [Sheet]
FILE NAME: c:\pwwork1\6156734\268378002-SHT-SQQ.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
				ROADWAY	SAFETY	LIGHTING	TRAINEES
				0005	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	200	200			
X4202005	DIAMOND GRINDING AND GROOVING (ROADWAY SECTION)	SQ YD	3	3			
X4240114	TEMPORARY SIDEWALK	SQ FT	10100	10100			
X4400221	CURB REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	200	200			
X4400223	CURB REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	200	200			
X4420828	CLASS D PATCHES, TYPE III, 12 INCH (SPECIAL)	SQ YD	200	200			
X4421788	CLASS D PATCHES, TYPE I, 12 INCH (SPECIAL)	SQ YD	200	200			
X4421790	CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)	SQ YD	200	200			
X4421791	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL)	SQ YD	200	200			
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	200	200			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	30	30			
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	100	100			
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	9	9			
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	125		125		
# X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9			9	

= SPECIALTY ITEMS



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REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 10	OF 12	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	12
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: SQQ_11 (Sheet)
FILE NAME: c:\pwwork1\60536734\268378002-SHT-SQQ.dgn

= SPECIALTY ITEMS

					CONSTRUCTION TYPE CODE STP-L 80% FED / 20%			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SAFETY	LIGHTING	TRAINEES
					0005	0021	0021	0042
					URBAN	URBAN	URBAN	URBAN
#	X8440102	RELOCATE EXISTING LUMINAIRE	EACH	4			4	
#	X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	5		5		
#	X8620310	REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	5		5		
#	X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	2300		2300		
#	X8710306	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	9		9		
#	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	28		28		
#	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	44		44		
#	X8809005	LED SIGNAL FACE, LENS COVER	EACH	83		83		
#	X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	45		45		
#	X8891007	VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	5		5		
#	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	8		8		
#	X8950212	MODIFY EXISTING CONTROLLER CABINET (SPECIAL)	EACH	5		5		
#	X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	2500		2500		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
#	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	5		5		



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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 ' / In.
PLOT DATE	= 7/8/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

SCALE: NTS	SHEET 11	OF 12 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	13
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

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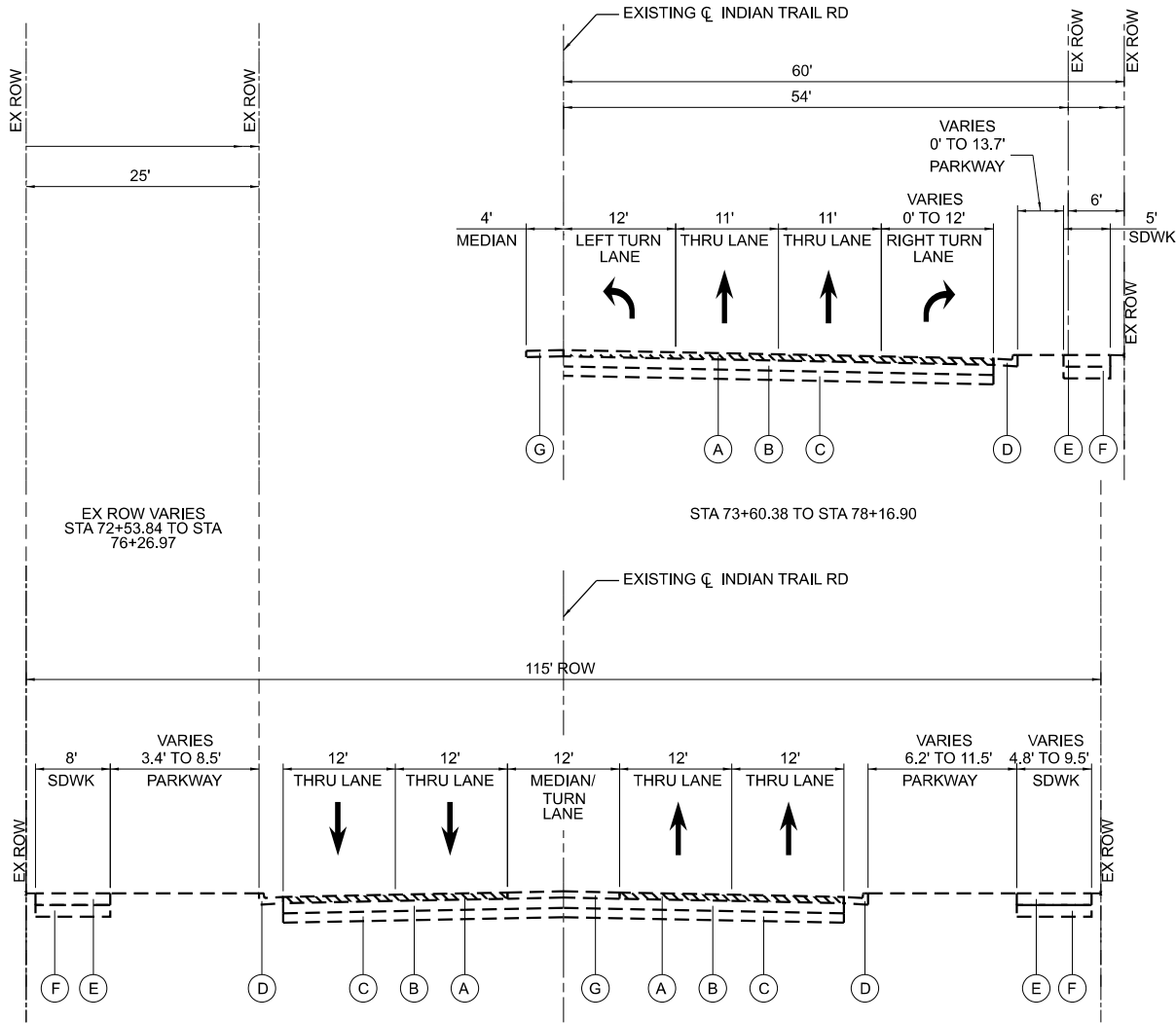
USER NAME	= Jackson.Robbert	DESIGNED	- JRR	REVISED	-
		DRAWN	- JRR	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
INDIAN TRAIL RD

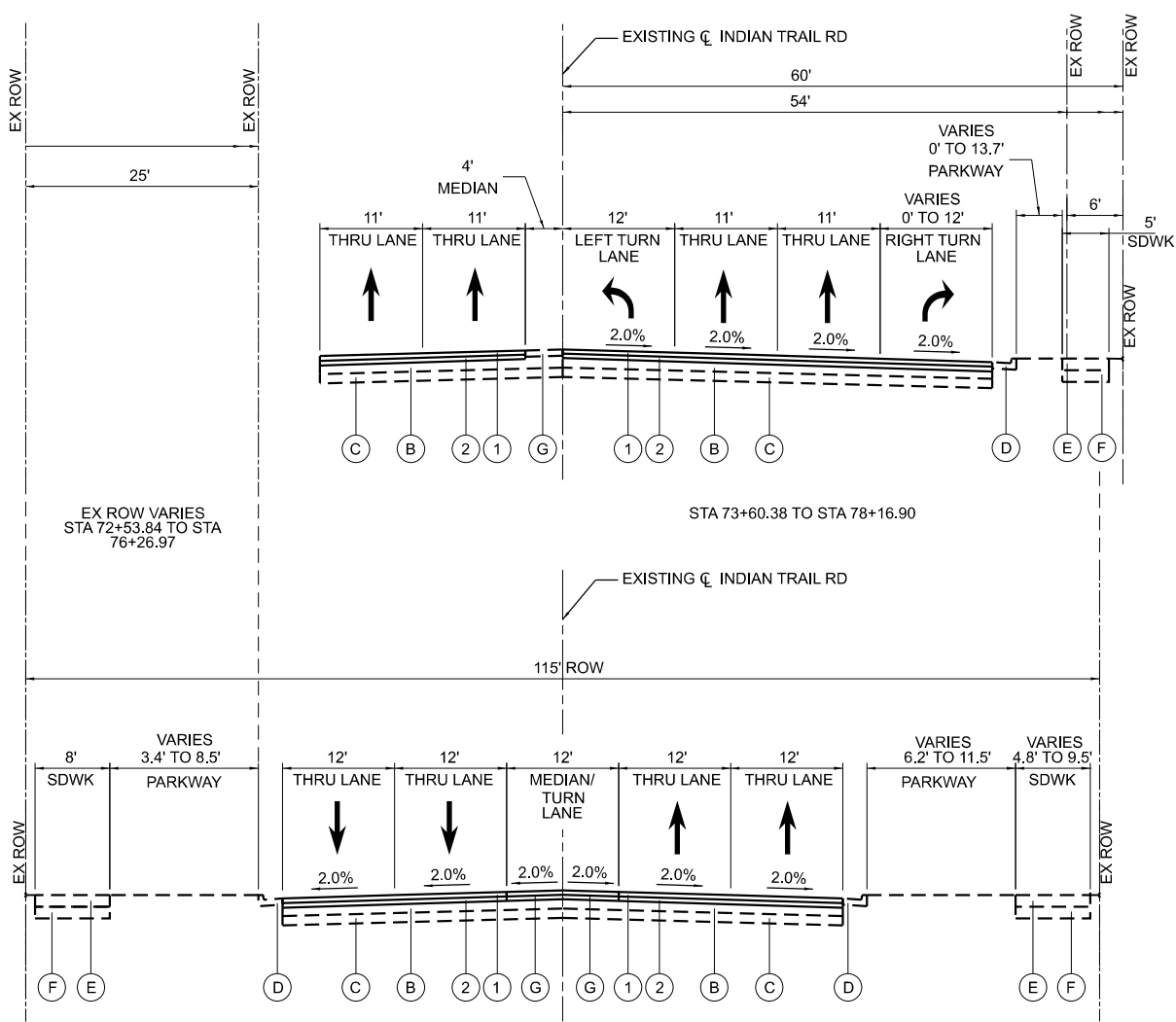
SCALE: NTS SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	14
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION – INDIAN TRAIL RD

STA 52+16.39 TO STA 73+60.38



PROPOSED TYPICAL SECTION – INDIAN TRAIL RD

STA 52+16.39 TO STA 73+60.38

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ N _{DESIGN}	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1.5"	4% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2.25"	4% @ 70 GYR.	LR 1030-2
RESURFACING AT CURB REPLACEMENTS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% @ 70 GYR.	LR 1030-2
CLASS D PATCHES (SPECIAL)		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 GYR.	LR 1030-2
TEMPORARY SIDEWALK		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D" N50; 2"	4% @ 50 GYR.	LR 1030-2
SHARED USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D" N50; 4" (IN 2 LIFTS)	4% @ 50 GYR.	LR 1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 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.

NOTE 3: LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-19 N70.

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, VARIES 1.5" - 2"
- (B) HOT-MIX ASPHALT BINDER COURSE, VARIES 9.5" - 12"
- (C) AGGREGATE SUBGRADE IMPROVEMENT, VARIES 6" - 12"
- (D) COMBINATION CONCRETE CURB & GUTTER, VARIES
- (E) SIDEWALK, 5"
- (F) SIDEWALK SUBGRADE, VARIES 4" - 8"
- (G) MEDIAN

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.25"
- (3) PCC SIDEWALK, 5"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B CA-6, 4"

SIDEWALK REMOVAL AT INTERSECTION

HOT-MIX ASPHALT SURFACE REMOVAL

PROJECT OMISSIONS

FARNSWORTH AVE TO FELTEN RD: STA 78+39.79 TO STA 109+64.05
FELTEN RD TO W STONEBRIDGE BLVD: STA 111+05.13 TO STA 140+16.79
W STONEBRIDGE BLVD TO E STONEBRIDGE BLVD: STA 141+79.74 TO STA 168+51.12
E STONEBRIDGE BLVD TO EOLA RD: STA 169+93.00 TO STA 192+78.80

MODEL: TYP_01 [Sheet]
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USER NAME = Jackson.Robbert
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PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

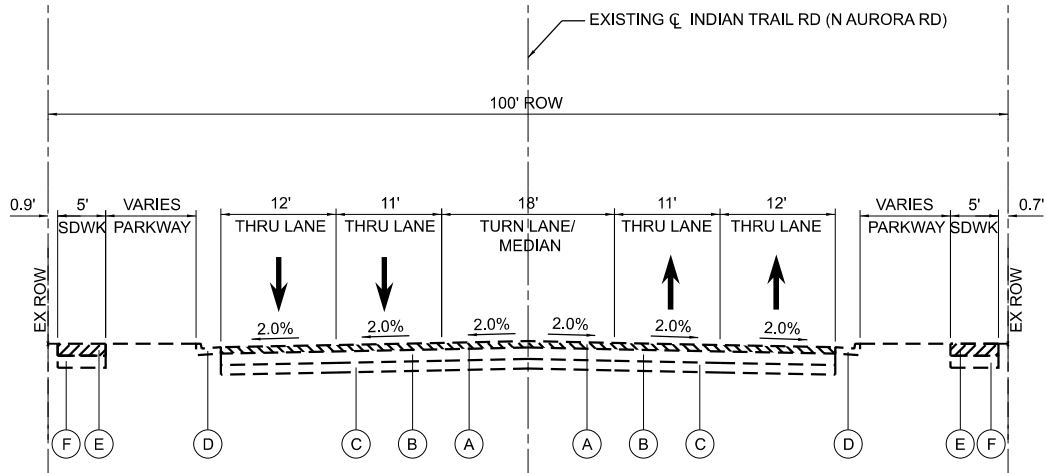
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
INDIAN TRAIL RD

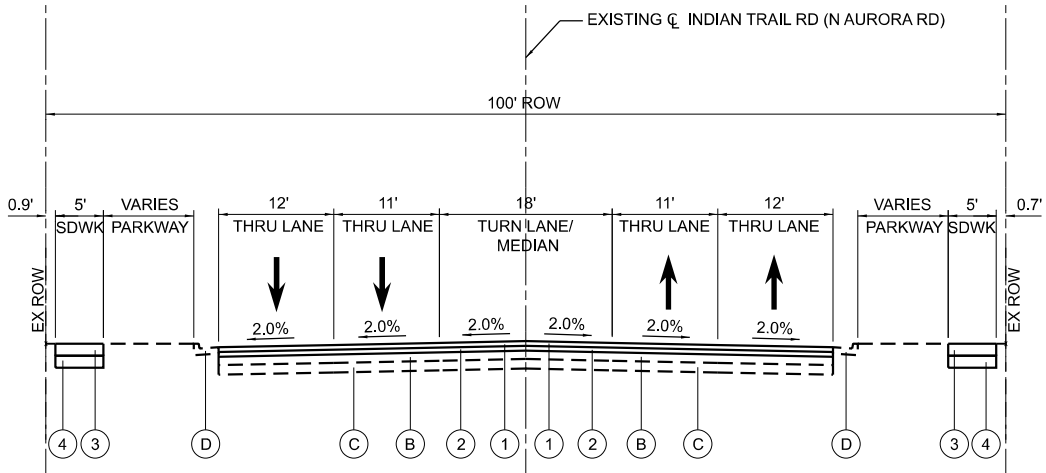
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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** = FAU 1503 & 1509, MUN 1157			CONTRACT NO. 61M10	
ILLINOIS			FED. AID PROJECT	



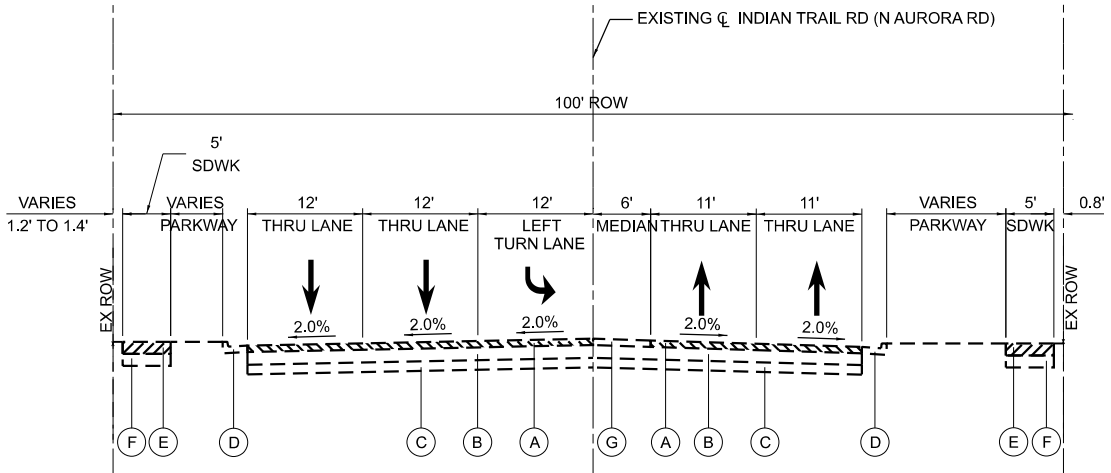
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(N AURORA RD) AT PENNSBURY – WEST LEG**

STA 192+78.80 TO STA 202+80.00



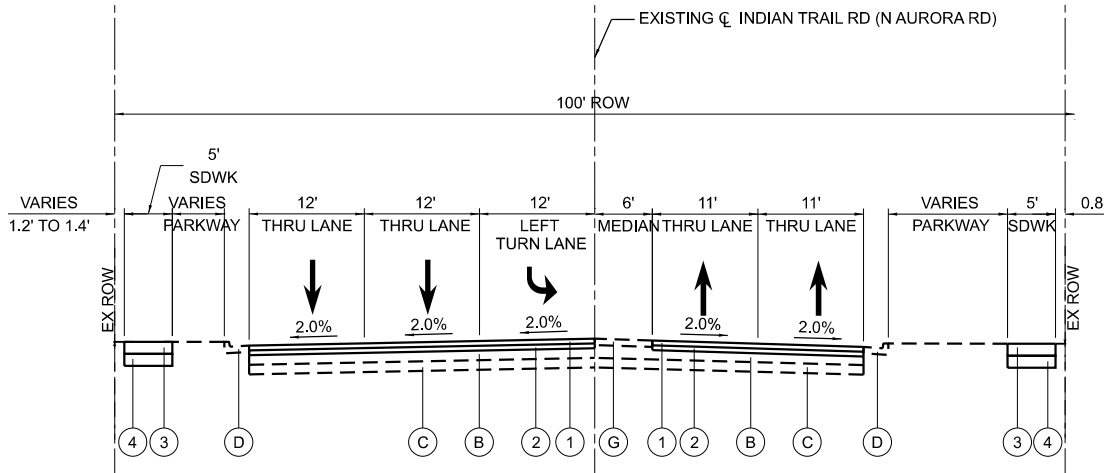
**PROPOSED TYPICAL SECTION – INDIAN TRAIL RD
(N AURORA RD) AT PENNSBURY – WEST LEG**

STA 192+78.80 TO STA 202+80.00



**EXISTING TYPICAL SECTION – INDIAN TRAIL RD
(N AURORA RD) AT PENNSBURY – EAST LEG**

STA 202+80.00 TO STA 205+52.30



**PROPOSED TYPICAL SECTION – INDIAN TRAIL RD
(N AURORA RD) AT PENNSBURY – EAST LEG**

STA 202+80.00 TO STA 205+52.30

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, VARIES 1.5" - 2"
- (B) HOT-MIX ASPHALT BINDER COURSE, VARIES 9.5" - 12"
- (C) AGGREGATE SUBGRADE IMPROVEMENT, VARIES 6" - 12"
- (D) COMBINATION CONCRETE CURB & GUTTER, VARIES
- (E) SIDEWALK, 5"
- (F) SIDEWALK SUBGRADE, VARIES 4" - 8"
- (G) MEDIAN

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.25"
- (3) PCC SIDEWALK, 5"
- (4) SUBBASE GRANULAR MATERIAL, TYPE B CA-6, 4"

SIDEWALK REMOVAL AT INTERSECTION

HOT-MIX ASPHALT SURFACE REMOVAL

PROJECT OMISSIONS

FARNSWORTH AVE TO FELTEN RD: STA 78+39.79 TO STA 109+64.05
FELTEN RD TO W STONEBRIDGE BLVD: STA 111+05.13 TO STA 140+16.79
W STONEBRIDGE BLVD TO E STONEBRIDGE BLVD: STA 141+79.74 TO STA 168+51.12
E STONEBRIDGE BLVD TO EOLA RD: STA 169+93.00 TO STA 192+78.80

MODEL: TYP_02 [Sheet]
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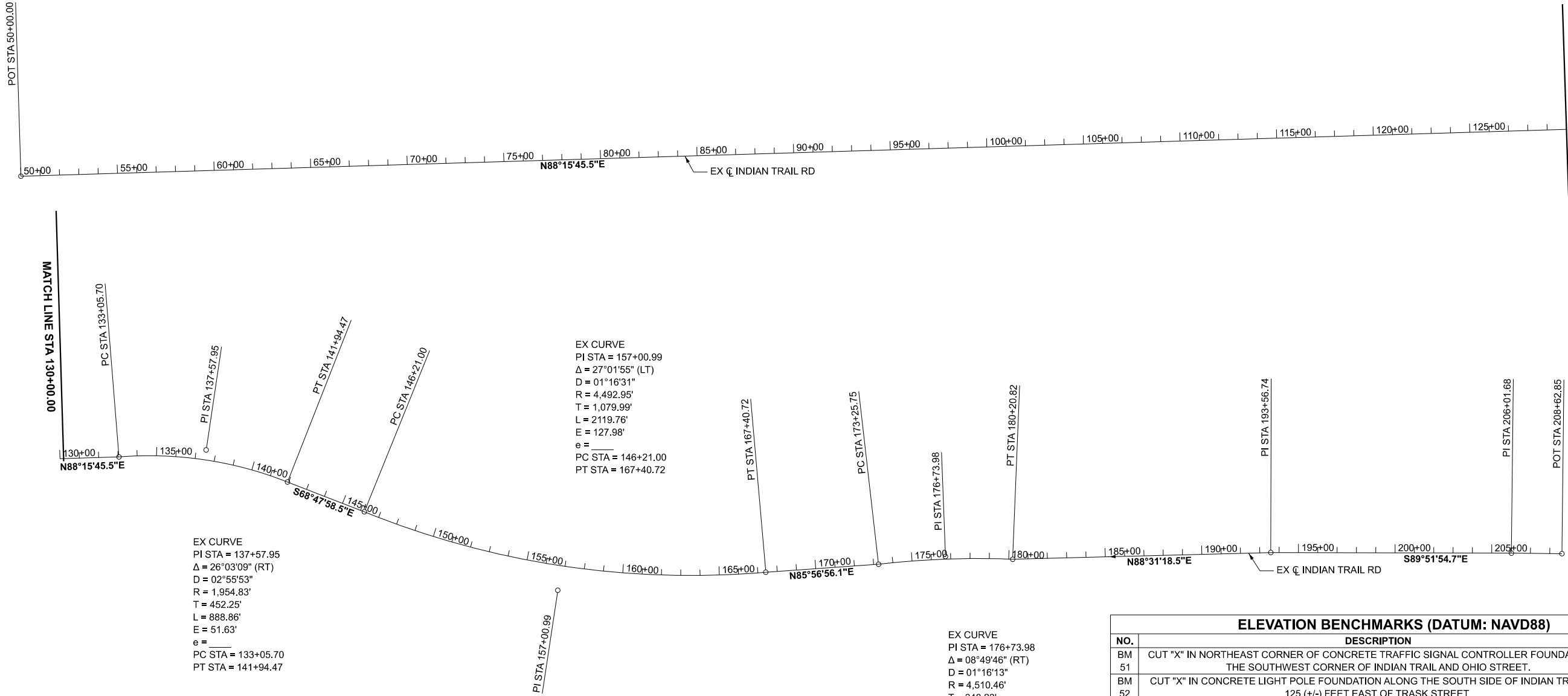
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	DRAWN - JRR	REVISED -
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PLOT DATE = 7/8/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
INDIAN TRAIL RD (N AURORA RD) AT PENNSBURY - EAST AND WEST LEG**

SCALE: 1"=10' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	16
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



EX CURVE
PI STA = 157+00.99
Δ = 27°01'55" (LT)
D = 01°16'31"
R = 4,492.95'
T = 1,079.99'
L = 2119.76'
E = 127.98'
e = _____
PC STA = 146+21.00
PT STA = 167+40.72

EX CURVE
PI STA = 137+57.95
Δ = 26°03'09" (RT)
D = 02°55'53"
R = 1,954.83'
T = 452.25'
L = 888.86'
E = 51.63'
e = _____
PC STA = 133+05.70
PT STA = 141+94.47

EX CURVE
PI STA = 176+73.98
Δ = 08°49'46" (RT)
D = 01°16'13"
R = 4,510.46'
T = 348.23'
L = 695.08'
E = 13.42'
e = _____
PC STA = 173+25.75
PT STA = 180+20.82

ELEVATION BENCHMARKS (DATUM: NAVD88)

NO.	DESCRIPTION	ELEVATION
BM 51	CUT "X" IN NORTHEAST CORNER OF CONCRETE TRAFFIC SIGNAL CONTROLLER FOUNDATION AT THE SOUTHWEST CORNER OF INDIAN TRAIL AND OHIO STREET.	746.19
BM 52	CUT "X" IN CONCRETE LIGHT POLE FOUNDATION ALONG THE SOUTH SIDE OF INDIAN TRAIL AND 125 (+/-) FEET EAST OF TRASK STREET.	733.72
BM 53	CUT "X" IN NORTH SIDE OF A CONCRETE TRAFFIC SIGNAL MAST ARM FOUNDATION WITH NO TRAFFIC SIGNAL INSTALLED, ALONG THE SOUTH SIDE OF INDIAN TRAIL AT THE EAST SIDE OF THE ENTRANCE TO SIMMONS PARK, SOUTH OF THE MAIN ENTRANCE TO THE AURORA POLICE STATION.	727.42
BM 54	DISK MONUMENT (CITY OF AURORA BM #20 SOUTH) AT THE SOUTHWEST CORNER OF INDIAN TRAIL AND FARNSWORTH AVENUE.	709.45
BM 55	CUT "X" IN SOUTHWEST CORNER OF CONCRETE TRAFFIC SIGNAL CONTROLLER FOUNDATION AT THE NORTHWEST CORNER OF INDIAN TRAIL AND FELTEN ROAD.	724.64
BM 56	CUT "X" IN THE NORTHEAST CORNER OF CONCRETE TRAFFIC SIGNAL CONTROLLER FOUNDATION AT THE SOUTHEAST CORNER OF INDIAN TRAIL AND STONEBRIDGE BLVD (WEST).	725.15
BM 57	CUT "X" IN SOUTHEAST CORNER OF CONCRETE TRAFFIC SIGNAL CONTROLLER FOUNDATION AT THE SOUTHWEST CORNER OF INDIAN TRAIL AND STONEBRIDGE BLVD (EAST).	721.59
BM 58	CUT "X" IN SOUTHWEST CORNER OF CONCRETE ELECTRICAL TRANSFORMER FOUNDATION ALONG THE NORTH SIDE OF INDIAN TRAIL, JUST EAST OF EOLA ROAD AND WEST OF THE ENTRANCE TO BP GAS STATION.	731.32
BM 59	CUT "X" IN NORTHWEST CORNER OF CONCRETE TRAFFIC SIGNAL CONTROLLER FOUNDATION AT THE SOUTHEAST CORNER OF INDIAN TRAIL AND PENNSBURY LANE.	725.80

ALIGNMENT DATA - EX INDIAN TRAIL			
POINT	STATION	NORTHING	EASTING
POT	50+00.00	1863236.84	995389.69
PC	133+05.70	1863488.65	1003691.57
PI	137+57.95	1863524.68	1004142.38
PT	141+94.47	1863359.05	1004563.21
PC	146+21.00	1863204.80	1004960.88
PI	157+00.99	1862799.00	1005961.73
PT	167+40.72	1862892.41	1007037.67
PC	173+25.75	1862933.74	1007621.24
PI	176+73.98	1862973.40	1007967.21
PT	180+20.82	1862959.48	1008315.16
PI	193+56.74	1862993.95	1009650.63
PI	206+01.68	1862991.02	1010895.57
POT	208+62.85	1862988.07	1011156.72

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PHONE: 630-487-6555
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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 "/In.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

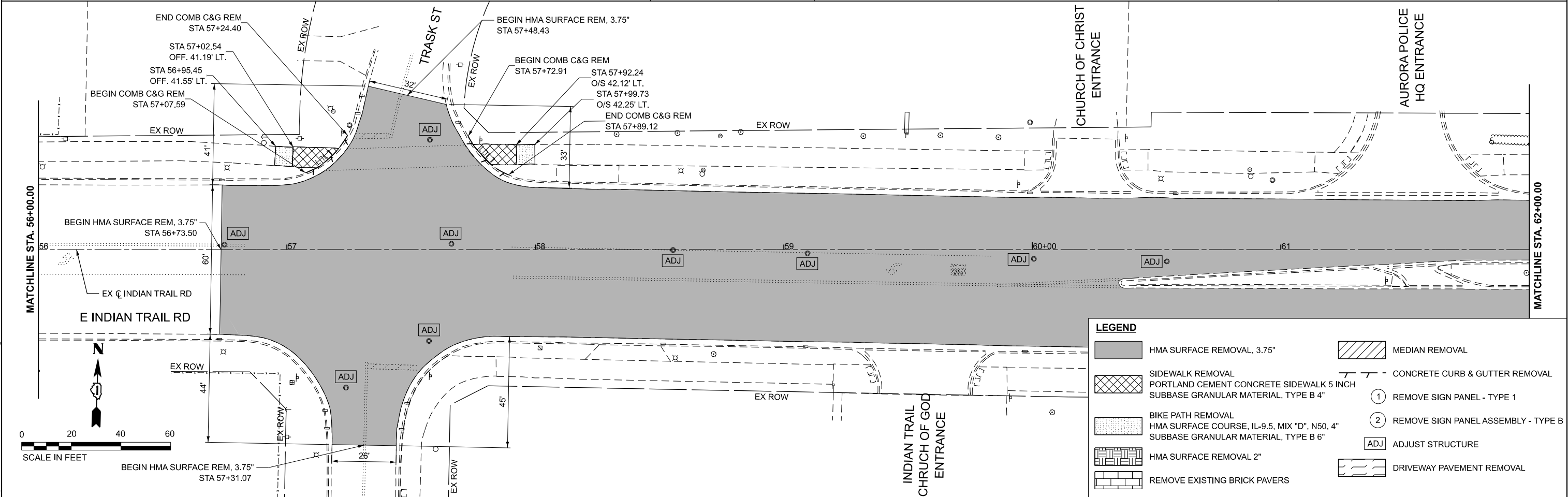
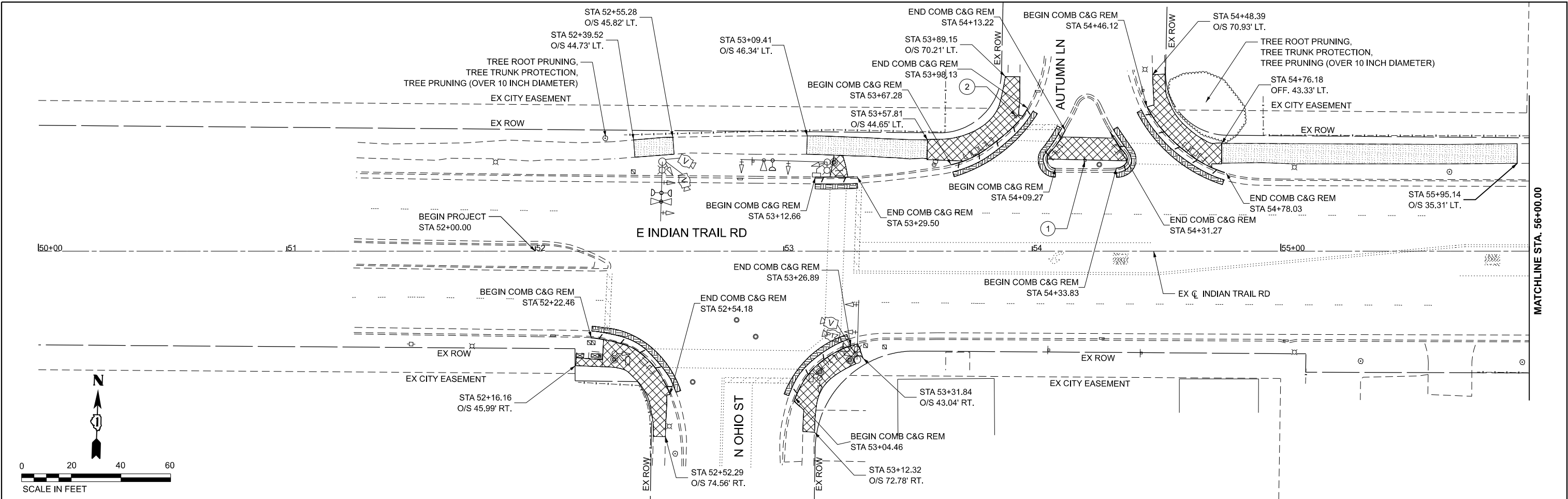
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REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=300' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	17
		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		



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	DRAWN - JRR		CHECKED - AMK	REVISED -		SCALE: 1"=20'		**	23-00358-00-TL	KANE/DUPAGE	125	18
	PLOT SCALE = 0.16666633" / In.		DATE -	REVISED -		SHEET 1 OF 6 SHEETS		STA. TO STA.		CONTRACT NO. 61M10		
	PLOT DATE = 7/8/2026									ILLINOIS FED. AID PROJECT		

HMA SURFACE REMOVAL, 3.75"

SIDEWALK REMOVAL
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
SUBBASE GRANULAR MATERIAL, TYPE B 4"

BIKE PATH REMOVAL
HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 4"
SUBBASE GRANULAR MATERIAL, TYPE B 6"

HMA SURFACE REMOVAL 2"

REMOVE EXISTING BRICK PAVERS

MEDIAN REMOVAL

CONCRETE CURB & GUTTER REMOVAL

1

REMOVE SIGN PANEL - TYPE 1

2

REMOVE SIGN PANEL ASSEMBLY - TYPE B

ADJ

ADJUST STRUCTURE

DRIVEWAY PAVEMENT REMOVAL

MODEL: Removal_B
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USER NAME = Jackson.Robbert

DESIGNED - JRR

DRAWN - JRR

PLOT SCALE = 0.16666633 "/in.

CHECKED - AMK

DATE -

REVISD -

REVISD -

REVISD -

REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

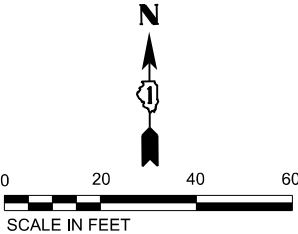
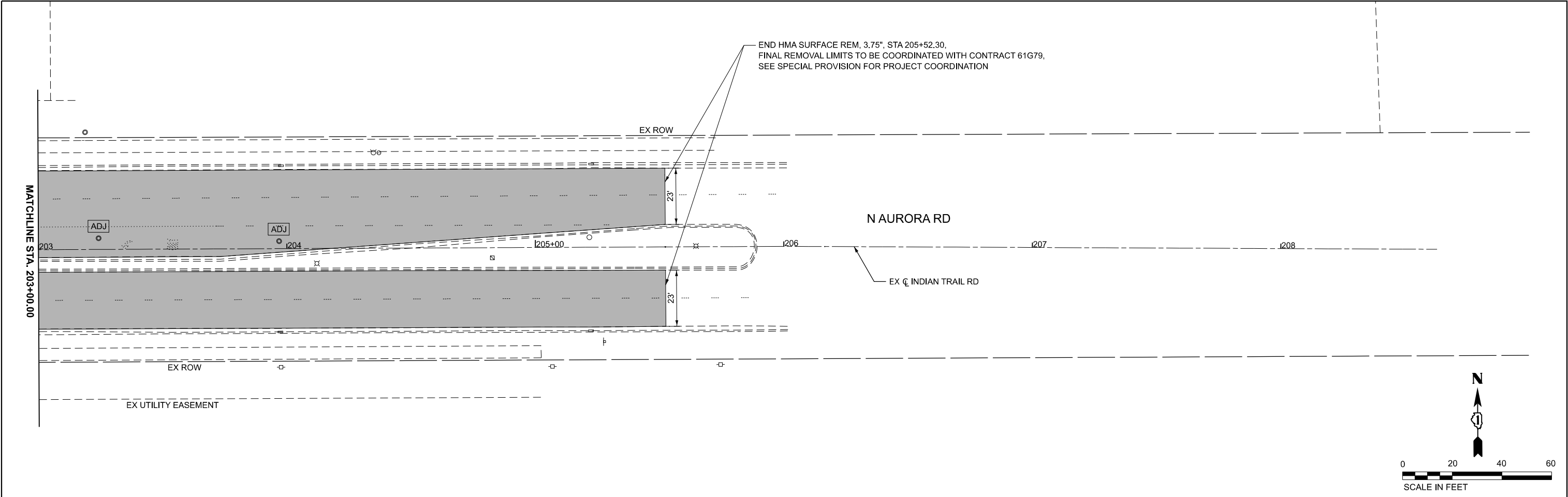
REMOVAL PLAN
INDIAN TRAIL RD

SCALE: 1"=20'

SHEET 2 OF 6 SHEETS

STA. TO STA.

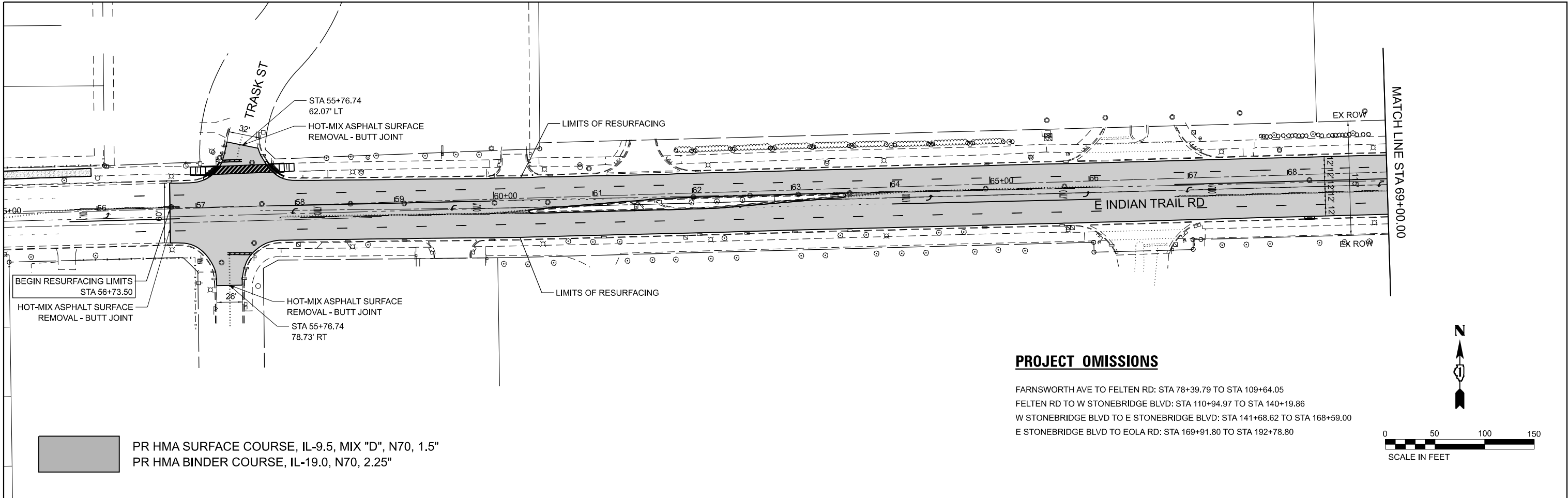
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** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



LEGEND	
 HMA SURFACE REMOVAL, 3.75"	 MEDIAN REMOVAL
 SIDEWALK REMOVAL PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"	 CONCRETE CURB & GUTTER REMOVAL
 BIKE PATH REMOVAL HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 4" SUBBASE GRANULAR MATERIAL, TYPE B 6"	 REMOVE SIGN PANEL - TYPE 1
 HMA SURFACE REMOVAL 2"	 REMOVE SIGN PANEL ASSEMBLY - TYPE B
 REMOVE EXISTING BRICK PAVERS	 ADJUST STRUCTURE
	 DRIVEWAY PAVEMENT REMOVAL

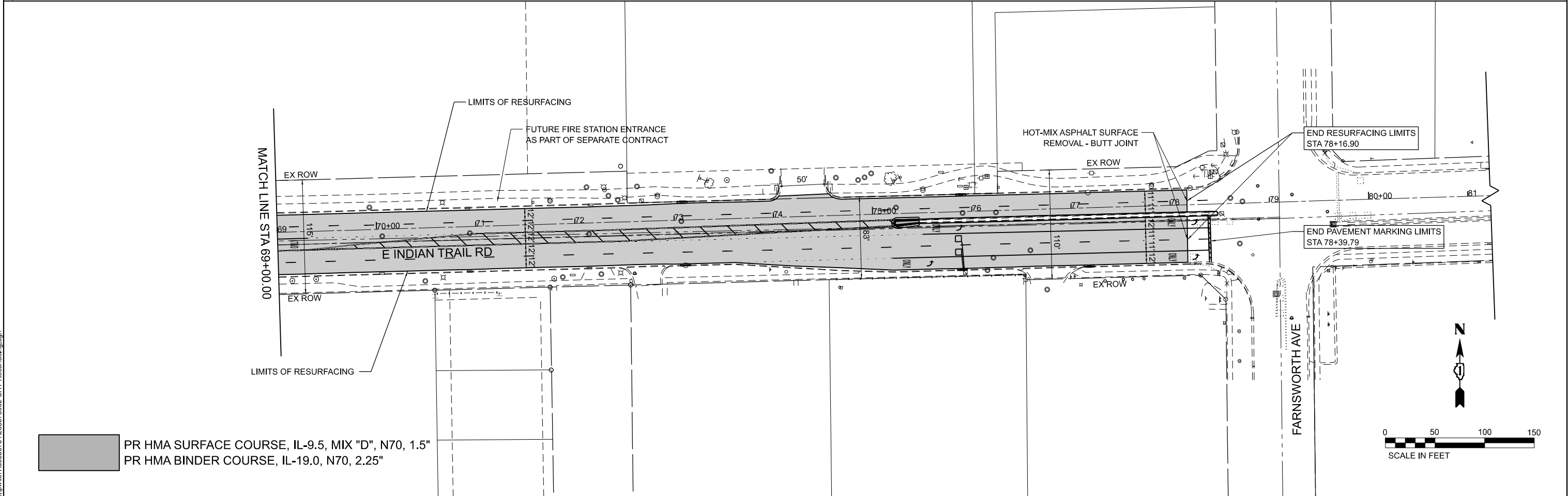
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	PLOT DATE = 7/8/2026		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									
						SCALE: 1"=20'					SHEET 6	OF 6	SHEETS	STA.	TO STA.



PROJECT OMISSIONS

FARNSWORTH AVE TO FELTEN RD: STA 78+39.79 TO STA 109+64.05
FELTEN RD TO W STONEBRIDGE BLVD: STA 110+94.97 TO STA 140+19.86
W STONEBRIDGE BLVD TO E STONEBRIDGE BLVD: STA 141+68.62 TO STA 168+59.00
E STONEBRIDGE BLVD TO EOLA RD: STA 169+91.80 TO STA 192+78.80



MODEL: Plan_01 (Sheet)
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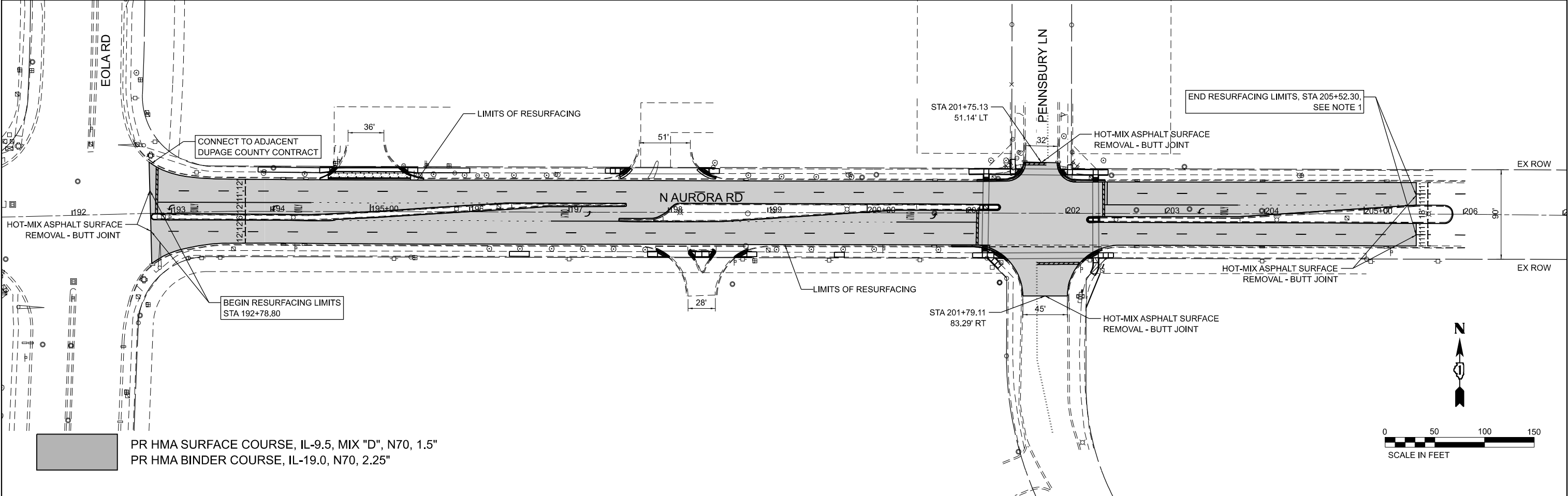
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PLOT DATE = 7/8/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY RESURFACING PLANS
TRASK ST TO FARNSWORTH AVE**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	24
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		



PROJECT OMISSIONS

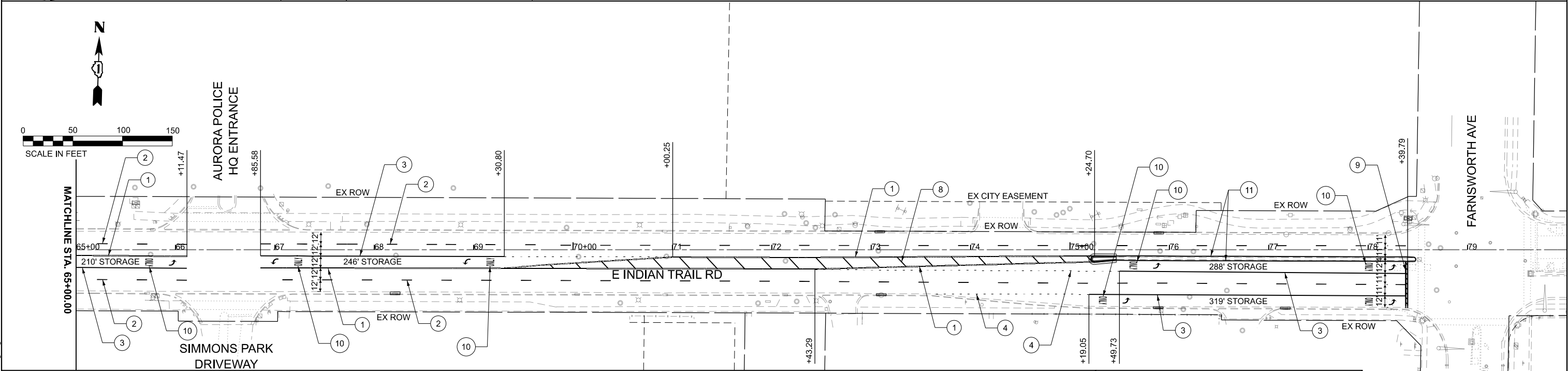
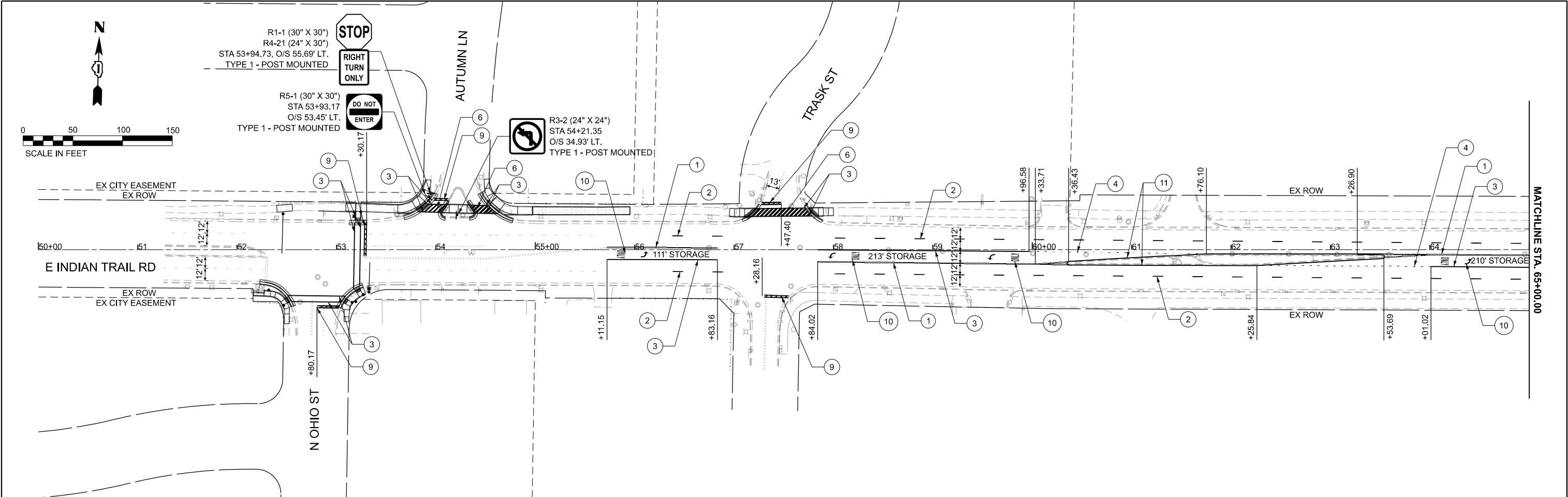
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FELTEN RD TO W STONEBRIDGE BLVD: STA 110+94.97 TO STA 140+19.86
W STONEBRIDGE BLVD TO E STONEBRIDGE BLVD: STA 141+68.62 TO STA 168+59.00
E STONEBRIDGE BLVD TO EOLA RD: STA 169+91.80 TO STA 192+78.80

NOTES

- 1. FINAL RESURFACING LIMITS TO BE COORDINATED WITH CONTRACT 61G79. SEE SPECIAL PROVISION FOR PROJECT COORDINATION.

MODEL: Plan_02 [Sheet]
FILE NAME: c:\paw\k1\0536734\268378002-SHT-Resurfacing.dgn

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	DRAWN - JRR			CHECKED - AMK	REVISED -		SCALE: 1"=50'			**	23-00358-00-TL	KANE/DUPAGE	125	25
	PLOT SCALE = 0.16666633' / In.			DATE -	REVISED -		SHEET 2 OF 2 SHEETS			** = FAU 1503 & 1509, MUN 1157				
	PLOT DATE = 7/8/2026			DATE -	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				



LEGEND

- 1 GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)
- 2 GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SKIP DASH WHITE, 10' LINE WITH 30' SPACE)
- 3 GROOVING FOR RECESSED PM 7" - THERMOPLASTIC PM - LINE 6" (SOLID WHITE)
- 4 GROOVING FOR RECESSED PM 7" - THERMOPLASTIC PM - LINE 6" (DOTTED WHITE, 2' LINE WITH 6' SPACE)
- 5 NOTE (5) NO LONGER USED IN PLANS

- 6 GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID WHITE, BICYCLE & EQUESTRIAN CROSSWALK, 45°, 24" E-E)
- 7 GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID WHITE, SCHOOL CROSSWALK, 24" E-E)
- 8 GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID YELLOW, 45°, 20' C-C)
- 9 GROOVING FOR RECESSED PM 25" - THERMOPLASTIC PM - LINE 24" (SOLID WHITE, STOP BAR)
- 10 GROOVING FOR RECESSED PM LETTERS AND SYMBOLS - THERMOPLASTIC PM - LETTERS AND SYMBOLS
- 11 GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SOLID YELLOW)
- 12 MODIFIED URETHANE PM - LINE 6" (SOLID WHITE, PEDESTRIAN CROSSWALK)

NOTES

- 1. ALL POST MOUNTED SIGNS SHALL BE INSTALLED PER IDOT HIGHWAY STANDARD 720006-04.
- 2. ALL POST MOUNTED SIGNS SHALL BE INSTALLED ON TELESCOPING STEEL SIGN SUPPORTS AND BASES PER IDOT HIGHWAY STANDARDS 7280001-01 AND 731001-01.
- 3. ALL SIGNS SHALL BE MOUNTED PER IDOT HIGHWAY STANDARD 720001-01

MODEL: PMK-A
FILE NAME: c:\paw\k1100536734\268378002-SHT-PMK-Sign.dgn

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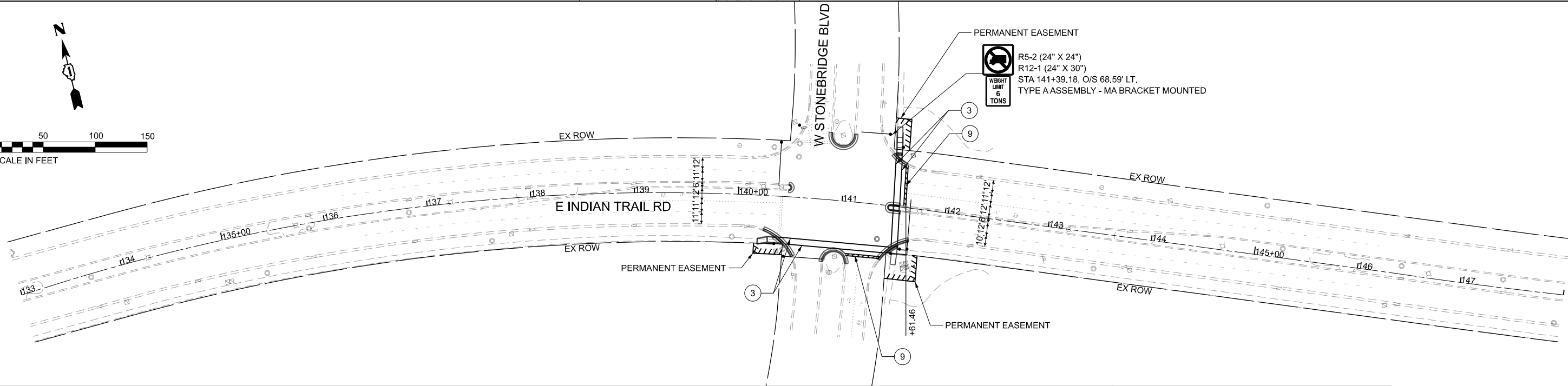
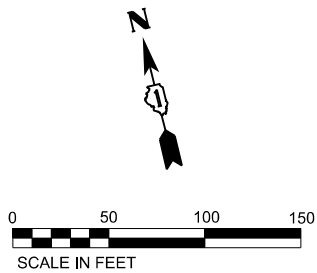
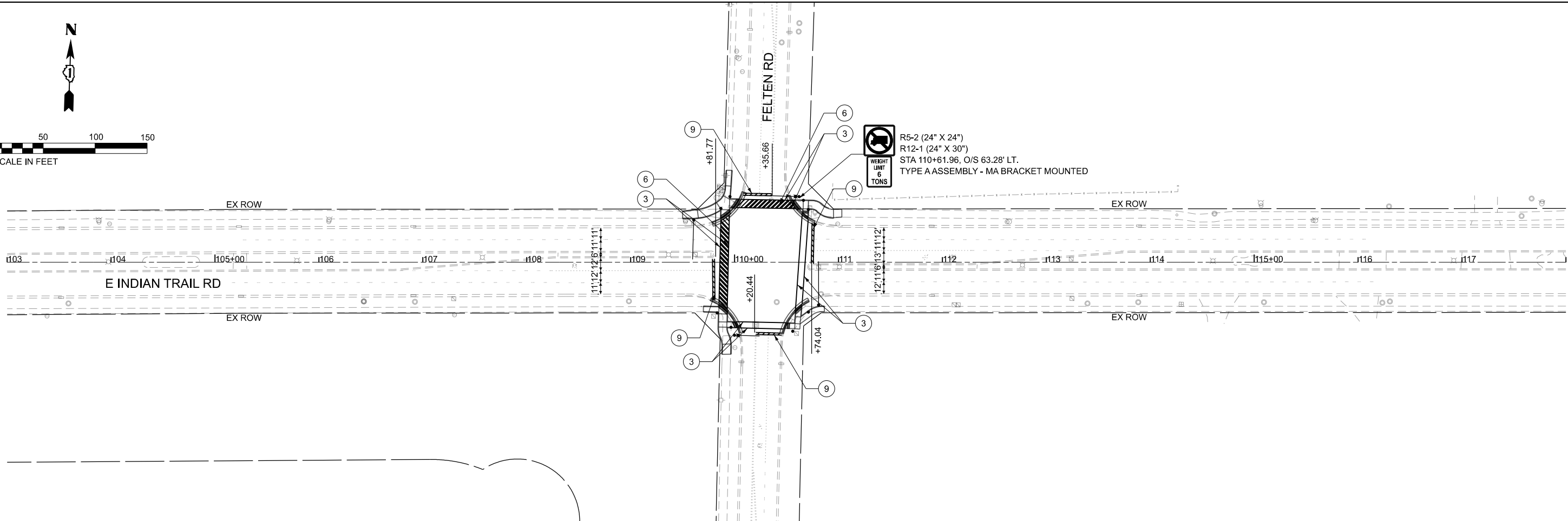
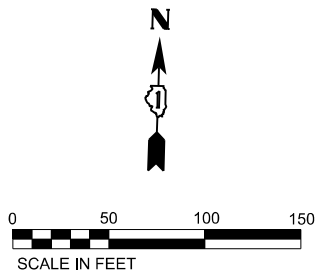
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		DRAWN	- JRR	REVISED	-
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PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	26
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)
- GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SKIP DASH WHITE, 10' LINE WITH 30' SPACE)
- GROOVING FOR RECESSED PM 7" - THERMOPLASTIC PM - LINE 6" (SOLID WHITE)
- GROOVING FOR RECESSED PM 7" - THERMOPLASTIC PM - LINE 6" (DOTTED WHITE, 2' LINE WITH 6' SPACE)
- NOTE (5) NO LONGER USED IN PLANS

- GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID WHITE, BICYCLE & EQUESTRIAN CROSSWALK, 45°, 24" E-E)
- GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID WHITE, SCHOOL CROSSWALK, 24" E-E)
- GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID YELLOW, 45°, 20' C-C)
- GROOVING FOR RECESSED PM 25" - THERMOPLASTIC PM - LINE 24" (SOLID WHITE, STOP BAR)
- GROOVING FOR RECESSED PM LETTERS AND SYMBOLS - THERMOPLASTIC PM - LETTERS AND SYMBOLS
- GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SOLID YELLOW)
- MODIFIED URETHANE PM - LINE 6" (SOLID WHITE, PEDESTRIAN CROSSWALK)

NOTES

- ALL POST MOUNTED SIGNS SHALL BE INSTALLED PER IDOT HIGHWAY STANDARD 720006-04.
- ALL POST MOUNTED SIGNS SHALL BE INSTALLED ON TELESCOPING STEEL SIGN SUPPORTS AND BASES PER IDOT HIGHWAY STANDARDS 7280001-01 AND 731001-01.
- ALL SIGNS SHALL BE MOUNTED PER IDOT HIGHWAY STANDARD 720001-01

Kimley»Horn

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4011 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / 1in.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
INDIAN TRAIL RD

SCALE: 1"=50'

SHEET 2

OF

3

SHEETS

STA.

TO STA.

F.A.U.
RTE.

**

SECTION

23-00358-00-TL

COUNTY

KANE/DUPAGE

TOTAL
SHEETS

125

SHEET
NO.

27

** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

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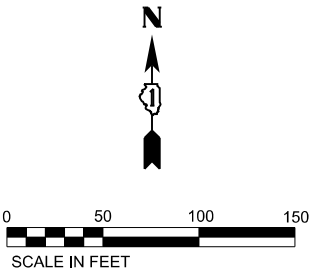
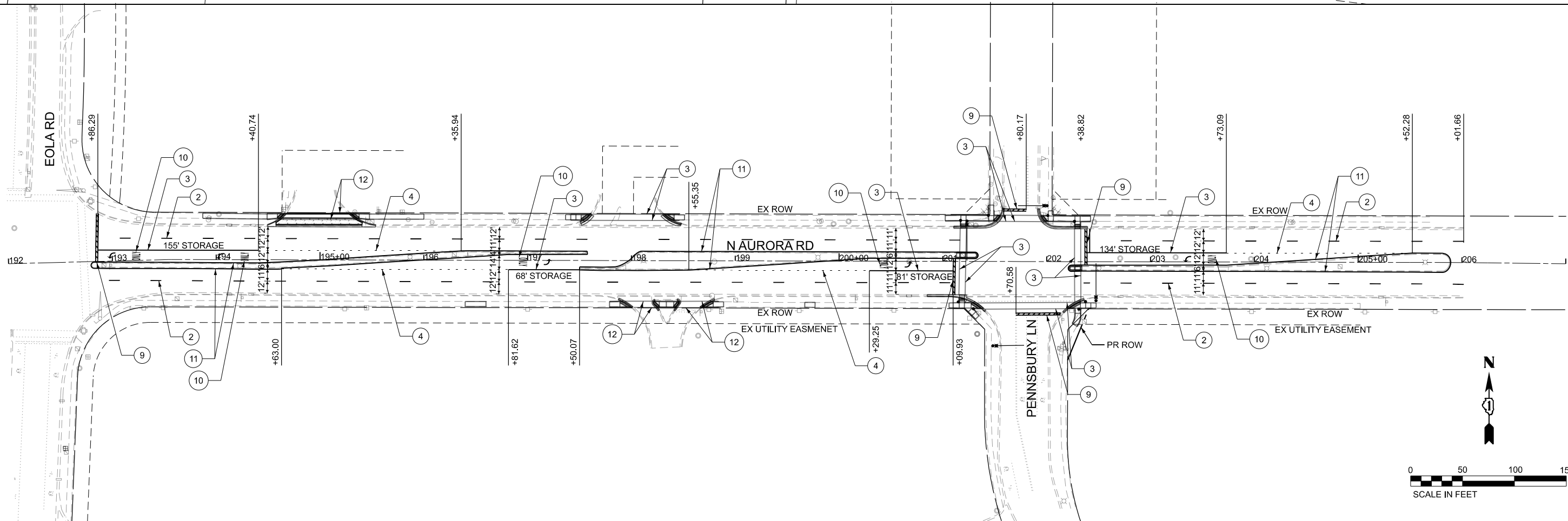
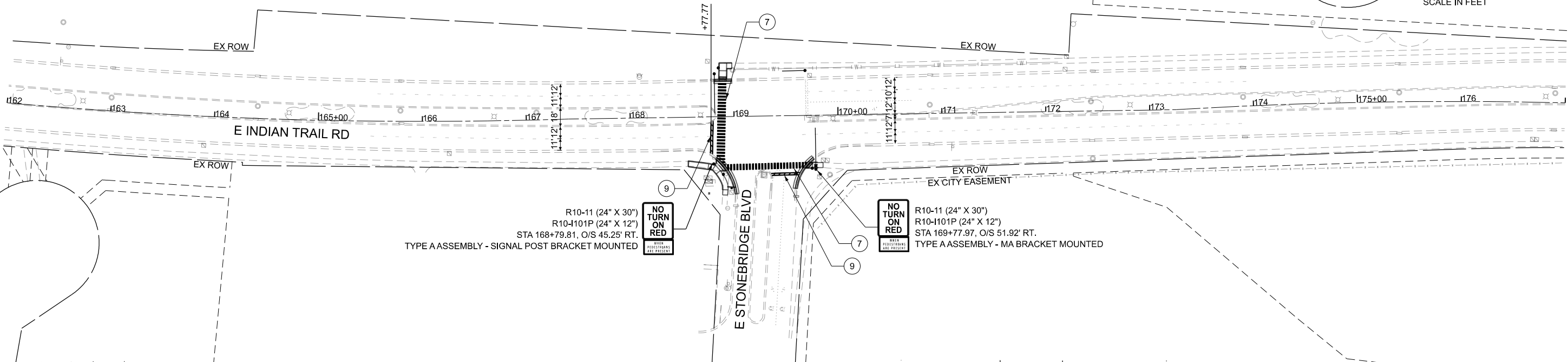
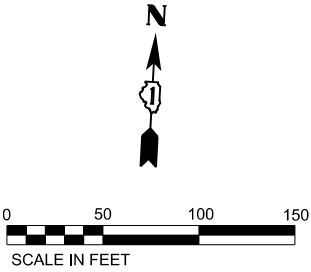
LEGEND

- 1
- GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)
- 2
- GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SKIP DASH WHITE, 10' LINE WITH 30' SPACE)
- 3
- GROOVING FOR RECESSED PM 7" - THERMOPLASTIC PM - LINE 6" (SOLID WHITE)
- 4
- GROOVING FOR RECESSED PM 7" - THERMOPLASTIC PM - LINE 6" (DOTTED WHITE, 2' LINE WITH 6' SPACE)
- 5
- NOTE (5) NO LONGER USED IN PLANS

- 6
- GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID WHITE, BICYCLE & EQUESTRIAN CROSSWALK, 45°, 24" E-E)
- 7
- GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID WHITE, SCHOOL CROSSWALK, 24" E-E)
- 8
- GROOVING FOR RECESSED PM 13" - THERMOPLASTIC PM - LINE 12" (SOLID YELLOW, 45°, 20' C-C)
- 9
- GROOVING FOR RECESSED PM 25" - THERMOPLASTIC PM - LINE 24" (SOLID WHITE, STOP BAR)
- 10
- GROOVING FOR RECESSED PM LETTERS AND SYMBOLS - THERMOPLASTIC PM - LETTERS AND SYMBOLS
- 11
- GROOVING FOR RECESSED PM 5" - THERMOPLASTIC PM - LINE 4" (SOLID YELLOW)
- 12
- MODIFIED URETHANE PM - LINE 6" (SOLID WHITE, PEDESTRIAN CROSSWALK)

NOTES

1.
- ALL POST MOUNTED SIGNS SHALL BE INSTALLED PER IDOT HIGHWAY STANDARD 720006-04.
2.
- ALL POST MOUNTED SIGNS SHALL BE INSTALLED ON TELESCOPING STEEL SIGN SUPPORTS AND BASES PER IDOT HIGHWAY STANDARDS 7280001-01 AND 731001-01.
3.
- ALL SIGNS SHALL BE MOUNTED PER IDOT HIGHWAY STANDARD 720001-01



MODEL: PMK-C
FILE NAME: c:\paw\kh1\0536734\268378002-SHT-PMK-Sign.dgn

Kimley»Horn

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401 WILFELD ROAD, SUITE 600
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PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	28
		** = FAU 1503 & 1509, MUN 1157		
		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

USER NAME = jackson.rob
PLOT DATE = 12/23/2024

HRGreen
PCH sheets: 5510.dgn

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL GULFBOX	○	DRAINAGE FLOW LINE	└─┘
TRAFFIC SIGNAL HANDHOLE	○	RIP RAP	⬢
TRAFFIC SIGNAL SIGNAL POST	○	HEADWALL	—
TRAFFIC SIGNAL STEEL MAST ARM	—	CULVERT END SECTION	⬢
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON	●	DRAINAGE MANHOLE	○
TRAFFIC SIGNAL WOODEN POLE	●	INLET	○
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY	—	ROADWAY DITCH FLOW	—
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET	—	VEGETATION LINE	—
TRAFFIC SIGNAL JUNCTION BOX	⬢	STUMP	⬢
TRAFFIC SIGNAL CONTROLLER	⬢	SHRUB	○
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE	⬢	EVERGREEN TREE	⬢
RAILROAD CANTILEVER MAST ARM	—	DECIDUOUS TREE	⬢
RAILROAD CROSSBUCK	—	WOODS/BUSH LINE	—
RAILROAD TRACK	—	TRAFFIC SIGN	⬢
RAILROAD TRACK (ABANDONED)	—	GUARDRAIL POST	⬢
RAILROAD CROSSGATE	—	GUARDRAIL	—
RAILROAD CONTROL BOX	⬢	FIELD LINE	—
RAILROAD FLASHING SIGNAL	⬢	LEVEE/NOISE BARRIER	—
UTILITY TELEPHONE SPLICE BOX	⬢	FENCE	—
UTILITY POWER POLE	⬢	MAIL BOX	⬢
UTILITY TRAFFIC SIGNAL	⬢	ADVERTISING SIGN	⬢
UTILITY LIGHT POLE	⬢	MARSH	—
UTILITY FIRE HYDRANT	⬢	LIGHTING HANDHOLE	⬢
UTILITY MANHOLE	○	LIGHTING POWER POLE	⬢
UTILITY TELEPHONE POLE	⬢	LIGHTING JUNCTION BOX	⬢
UTILITY GUY ANCHOR	—	LIGHTING HEAVYDUTY HANDHOLE	⬢
UTILITY PIPELINE WARNING SIGN	⬢	LIGHTING CONTROLLER	⬢
UTILITY HANDHOLE	○	LIGHTING PULL POINT	⬢
UTILITY SPLICE BOX	⬢	HIGHWAY LIGHTING ELECTRICAL GROUND	⬢
UTILITY JUNCTION BOX	⬢	HIGHWAY LIGHTING SINGLE UNIT	⬢
UTILITY HEAVY DUTY HANDHOLE	⬢	HIGHWAY LIGHTING DOUBLE UNIT	⬢
UTILITY DOUBLE HANDHOLE	⬢	EXISTING CONCRETE BARRIER	—
UTILITY CONTROLLER	⬢	EXISTING CREEK OR DITCH	—
UTILITY WATER METER	○	EXISTING EDGE OF PAVEMENT	—

BASIS OF COORDINATE & BEARING STATEMENT

ALL DIMENSIONS 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 0.999945849.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS SURVEYED BY HR GREEN, INC. IN MAY & JUNE, 2023.

PREPARED BY:



2363 Sequoia Drive, Suite 101
Aurora, Illinois 60506
HRGreen.com
Illinois Professional Design Firm # 184-001322

RIGHT OF WAY LEGEND

SECTION CORNERS	QUARTER SECTION CORNERS
EXISTING CENTERLINE	EXISTING RIGHT-OF-WAY LINE
EXISTING RIGHT-OF-WAY LINE	FORMER RIGHT OF WAY LINE
EXISTING EASEMENT LINE	EXISTING RIGHT OF WAY & ACCESS CONTROL LINE
PROPOSED RIGHT OF WAY & ACCESS CONTROL LINE	PROPOSED ACCESS CONTROL LINE
PROPOSED CENTERLINE	PROPOSED RIGHT-OF-WAY LINE
PROPOSED TEMPORARY EASEMENT LINE	PROPOSED PERMANENT EASEMENT LINE
SECTION LINE	QUARTER SECTION LINE
QUARTER QUARTER SECTION LINE	PROPERTY LINE (TITLE)
RECORDED PLAT/DEED LINE	APPARENT PROPERTY LINE
SAME OWNERSHIP	MEASURED DIMENSION
RECORDED DIMENSION	FOUND STONE
FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED	SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)	SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
FOUND CUT CROSS	SET CUT CROSS

- STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DEPARTMENT OF TRANSPORTATION SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.
- ^B STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS IN CULTIVATED AREA, A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

LEGEND FOR ABBREVIATIONS

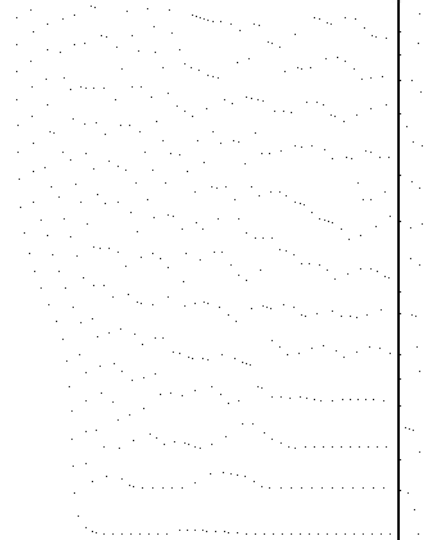
A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
CL	CENTERLINE
CAB	CABINET
CH	COUNTY HIGHWAY
Ch	CHAIN
CP	CONTROL POINT
CPS	COTTON PICKER SPINDLE
DB	DEED BOOK
E	EAST
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAU	FEDERAL AID URBAN
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m	METER
m ²	SQUARE METERS
N	NORTH
N/F	NOW OR FORMERLY
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT ON TANGENT
PL	PROPERTY LINE
PR	PROPOSED
R	RANGE
RD	ROAD
REC	RECORD
ROW	RIGHT-OF-WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SEC	SECTION
SQ FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
T	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

PROPOSED PARCEL NUMBER LEGEND

00123001	PROPOSED FEE SIMPLE ACQUISITION
00123001PE	PROPOSED PERMANENT EASEMENT
00123001TE	PROPOSED TEMPORARY EASEMENT
00123001DED	PROPOSED DEDICATION
00123001AC	PROPOSED ACCESS CONTROL LINE
00123001A	PROPOSED FEE SIMPLE ACQUISITION WITH MULTIPLE TRACTS
00123001TE-A	PROPOSED TEMPORARY EASEMENT WITH MULTIPLE TRACTS

CURVE ABBREVIATIONS

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
R	RADIUS OF CURVE
L	LENGTH OF CURVE
CB	CHORD BEARING
C	CHORD LENGTH
D	DEGREE OF CURVE
E	EXTERNAL ORDINATE
Δ	DELTA



MODEL: ROW_01 [Sheet]
FILE NAME: c:\pwwork1\0536734\268378002-SHT-ROWPlats.dgn

Kimley»Horn

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4011 WILFORD ROAD, SUITE 400
WARRENVILLE, IL 60055
PHONE: 630-467-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

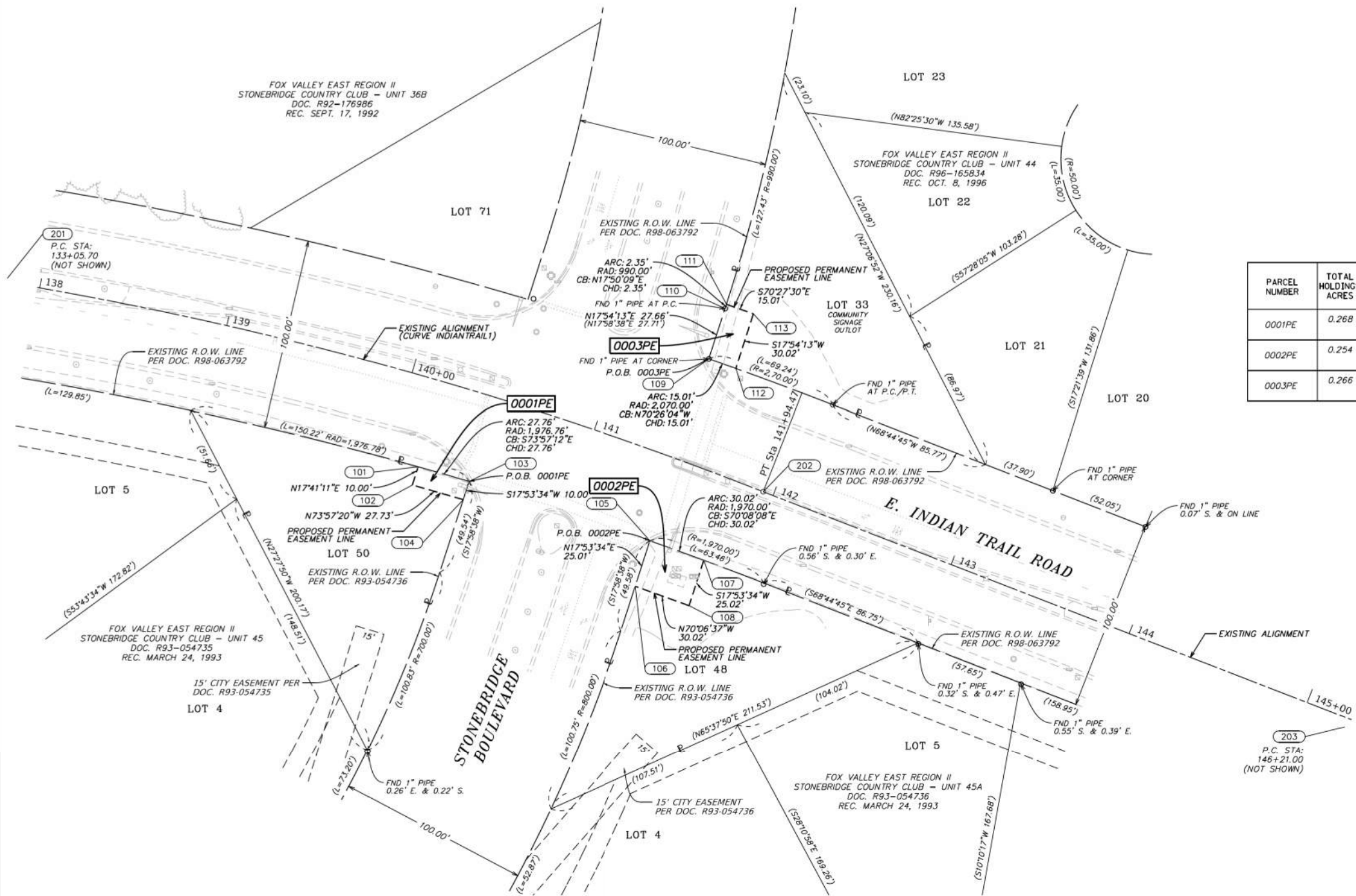
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLANS
GENERAL NOTES & LEGEND

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	29
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

PART OF SECTION 18, TWP. 38 N., R. 9 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
0001PE	0.268	N/A	--	N/A	0.268	0.006	278	07-18-102-006
0002PE	0.254	N/A	--	N/A	0.254	0.017	--	07-18-103-083
0003PE	0.266	N/A	--	N/A	0.266	0.010	450	07-18-109-001

PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)				
PT.NO.	NORTHING	EASTING	STATION	OFFSET
101	1863372.119	1004382.181	140+16.81	46.26' RT
102	1863362.592	1004379.142	140+16.55	56.26' RT
103	1863364.445	1004408.862	140+45.24	45.95' RT
104	1863354.929	1004405.790	140+45.10	55.95' RT
105	1863333.349	1004503.905	141+47.62	45.09' RT
106	1863309.550	1004496.222	141+48.62	70.08' RT
107	1863323.149	1004532.137	141+78.34	44.72' RT
108	1863299.337	1004524.449	141+78.75	69.71' RT
109	1863428.497	1004534.776	141+44.00	54.88' LT
110	1863454.819	1004543.280	141+43.02	82.52' LT
111	1863457.054	1004543.999	141+42.94	84.87' LT
112	1863452.034	1004558.144	141+58.59	55.05' LT
113	1863423.472	1004548.916	141+57.32	85.04' LT

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, RICHARD B. McCOMBS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, HR GREEN, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001322.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 17 AND 18, TOWNSHIP 38 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 AURORA, ILLINOIS THIS ____ DAY OF _____ 202__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035.003847
LICENSE EXPIRATION DATE: 11/30/2026

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



PREPARED BY:



2363 Sequoia Drive, Suite 101
Aurora, Illinois 60506
HRGreen.com
Illinois Professional Design Firm # 184-001322

INDIAN TRAIL ROAD CENTERLINE COORDINATES ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)				
PT.NO.	NORTHING	EASTING	STATION	GEOMETRY
201	1863488.652	1003691.568	133+05.70	P.C.
202	1863359.051	1004563.212	141+94.47	P.T.
203	1863204.802	1004960.876	149+21.00	P.C.

EXIST. CURVE INDIANTRAIL
PI STA. = 137+57.95
 $\Delta = 26^\circ 03' 09''$ (RT)
 $D = 2^\circ 55' 53''$
 $R = 1,954.83'$
 $T = 452.25'$
 $L = 888.77'$
 $E = 51.63'$
P.C. STA. = 133+05.70
P.T. STA. = 141+94.47

RIGHT-OF-WAY PLANS

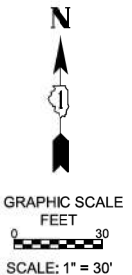
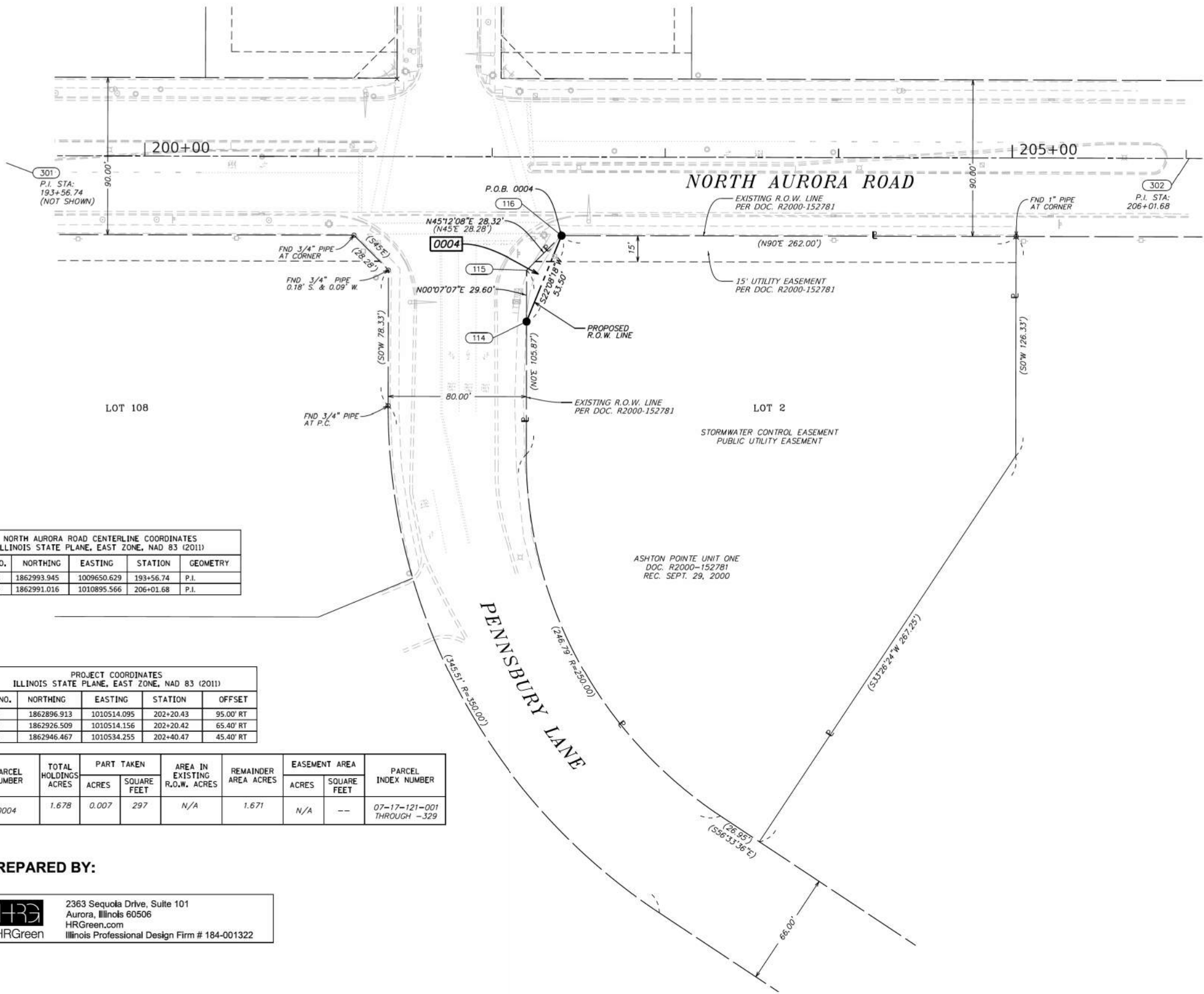
INDIAN TRAIL RD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=30'	SHEET 2	OF 3	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	30
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS FED. AID PROJECT				

PART OF SECTION 17, TWP. 38 N., R. 9 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



SPACE RESERVED FOR RECORDING OFFICER

NORTH AURORA ROAD CENTERLINE COORDINATES ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)				
PT.NO.	NORTHING	EASTING	STATION	GEOMETRY
301	1862993.945	1009650.629	193+56.74	P.I.
302	1862991.016	1010895.566	206+01.68	P.I.

PROJECT COORDINATES ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)				
PT.NO.	NORTHING	EASTING	STATION	OFFSET
114	1862896.913	1010514.095	202+20.43	95.00' RT
115	1862926.509	1010514.156	202+20.42	65.40' RT
116	1862946.467	1010534.255	202+40.47	45.40' RT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
0004	1.678	0.007	297	N/A	1.671	N/A	--	07-17-121-001 THROUGH -329

PREPARED BY:



2363 Sequoia Drive, Suite 101
Aurora, Illinois 60506
HRGreen.com
Illinois Professional Design Firm # 184-001322

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, RICHARD B. McCOMBS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, HR GREEN, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001322,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 17 AND 18, TOWNSHIP 38 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE 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 AURORA, ILLINOIS THIS ____ DAY OF _____, 202__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035.003847
LICENSE EXPIRATION DATE: 11/30/2026

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



MODEL: ROW_03 [Sheet]
FILE NAME: c:\pwwork1\00356734\268378002-SHT-ROWPlats.dgn



USER NAME = Jackson.Robbert	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLANS
N AURORA RD

SCALE: 1"=30' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	31
** = FAU 1503 & 1509, MUN 1157				
CONTRACT NO. 61M10				
ILLINOIS FED. AID PROJECT				

INDIAN TRAIL TRAFFIC CONTROL PLAN

TRAFFIC CONTROL AND PROTECTION GENERAL NOTES:

1.

THE LIST OF APPLICABLE STANDARDS RELATED TO TRAFFIC CONTROL AND PROTECTION FOR BOTH IDOT AND DISTRICT 1 ARE SEEN ON SHEET 2 OF THESE CONTRACT PLANS.
2.

NO WORK SHALL BEGIN UNTIL THE TRAFFIC CONTROL MEASURES ARE IN PLACE. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE TRAFFIC PROTECTION BY THE APPLICATION OF TRAFFIC CONTROL DEVICES ACCORDING TO THE "STANDARD SPECIFICATIONS" AND AS SHOWN ON THE PLANS.
3.

THE TEMPORARY TRAFFIC CONTROL STANDARDS IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE ABOVE HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS UNLESS OTHERWISE SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS.
4.

ALL TRAFFIC CONTROL WARNING SIGNS AND ASSOCIATED SIGNING MOUNTED WITH THE SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS ON FLUORESCENT ORANGE REFLECTIVE SHEETING.
5.

ALL CONSTRUCTION SIGNS, BARRICADES, AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR.
6.

ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
7.

THE SIGN SPACING FOR THE ABOVE HIGHWAY STANDARDS SHALL BE ACCORDING TO THE SIGN SPACING TABLE SHOWN ON THIS TRAFFIC CONTROL PLAN.
8.

ROAD NAME PLATES SHALL BE INSTALLED ON THE "ROAD CONSTRUCTION AHEAD" SIGNS AT THE INTERSECTIONS SHOWN ON THIS TRAFFIC CONTROL PLAN. THE ROAD NAME PLATES SHALL BE 9 INCH BLANKS WITH 6 INCH UPPERCASE AND 4.5 INCH LOWERCASE LETTERING. THE ROAD NAME PLATES SHALL BE FURNISHED BY THE CONTRACTOR.
9.

"ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
10.

THE CONTRACTOR SHALL NOT PLACE THE FINAL HMA SURFACE COURSE UNTIL ALL UNDERGROUND WORK HAS BEEN COMPLETED.
11.

THE CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE SIGNS AT EACH APPROACH 7 DAYS IN ADVANCE OF SWITCHING THE TRAFFIC SIGNAL(S) FROM THE EXISTING SYSTEM TO THE PROPOSED SYSTEM. THE CHANGEABLE MESSAGE SIGN SHALL REMAIN IN PLACE FOR 7 DAYS AFTER THE FLASHING YELLOW ARROW SIGNALS ARE IN OPERATION TO ALERT MOTORISTS OF THE CHANGE IN OPERATIONS AT THE INTERSECTION.
12.

SHORT TERM AND TEMPORARY PAVEMENT MARKING RELATED PAY ITEMS ARE NOT SHOWN IN THESE CONTRACT PLANS. TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED AND PAID FOR AS NOTED IN SECTION 703 OF THE STANDARD SPECIFICATIONS.
13.

DRIVEWAY ENTRANCE SIGNING SHALL BE PLACED PER IDOT STANDARD TC-26 AT ALL COMMERCIAL ENTRANCES WITHIN THE RESURFACING LIMITS ON THESE CONTRACT PLANS.
14.

THE CONTRACTOR SHALL MAINTAIN SAFE ACCESS AT INTERSECTIONS FOR PEDESTRIANS AT ALL TIMES. WHERE SIDEWALK IS TO BE REMOVED, TEMPORARY HMA SIDEWALK SHALL BE PLACED WHEN PERMANENT PCC SIDEWALK WILL NOT BE INSTALLED AT THE END OF THE DAY.

EROSION CONTROL NOTES

1.

APPLICABLE STANDARDS

IUM STANDARDS: 654SB
561C
561D
2.

ANY SEDIMENT OR SOIL TRACKED OFF THE SITE SHALL BE REMOVED BY SCRAPING OR STREET SWEEPING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT.
3.

PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AT 1 FOOT OUTSIDE THE TOE OF SLOPE OR INSIDE THE RIGHT-OF-WAY, WHICHEVER IS CLOSER TO THE CENTERLINE, OR AS DIRECTED BY THE ENGINEER PRIOR TO THE START OF ANY EARTHWORK.
4.

THE PERIMETER EROSION BARRIER SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. AT THIS TIME, THE PERIMETER EROSION BARRIER SHALL BE REMOVED AND AREAS DAMAGED BY THE PERIMETER EROSION BARRIER REMOVAL SHALL BE RESTORED. THE RESTORATION OF THE AREA DISTURBED BY THE PERIMETER EROSION BARRIER REMOVAL SHALL BE INCLUDED IN THE PAY ITEM OF PERIMETER EROSION BARRIER.
5.

ALL DISTURBED AREAS THAT CAN NOT BE STABILIZED WITH PERMANENT EROSION CONTROL SYSTEMS WITHIN FOURTEEN (14) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE SHALL HAVE TEMPORARY EROSION CONTROL SYSTEMS CONSTRUCTED. ALL DISTURBED AREAS THAT CAN NOT BE STABILIZED IN PERMANENT CONDITION WITHIN THE TIMELINE SPECIFIED ABOVE SHALL BE COVERED WITH TEMPORARY EROSION CONTROL SEEDING AND UNTIL SODDING, SALT TOLERANT, CAN BE PLACED IN FINAL CONDITION. THE PLACEMENT OF THESE RESPECTIVE TEMPORARY EROSION CONTROL ITEMS SHALL BE INSTALLED, MAINTAINED, DISPOSED, AND PAID FOR AS NOTED IN SECTION 280 OF THE STANDARD SPECIFICATIONS. TEMPORARY EROSION CONTROL RELATED PAY ITEMS ARE NOT SHOWN IN THESE CONTRACT PLANS.
6.

TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
7.

TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING, SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AND AS DIRECTED BY THE ENGINEER.
8.

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 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
9.

PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING RIVER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

LEGEND:

- SODDING, SALT TOLERANT
- MULCH PLACEMENT, 2"
- INLET FILTERS
- PERIMETER EROSION BARRIER



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4011 WINDFIELD ROAD, SUITE 200
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PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson,Robbert
DESIGNED - JRR
DRAWN - JRR
PLOT SCALE = 0.16666633' / In.
CHECKED - AMK
PLOT DATE = 7/8/2026
DATE -

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

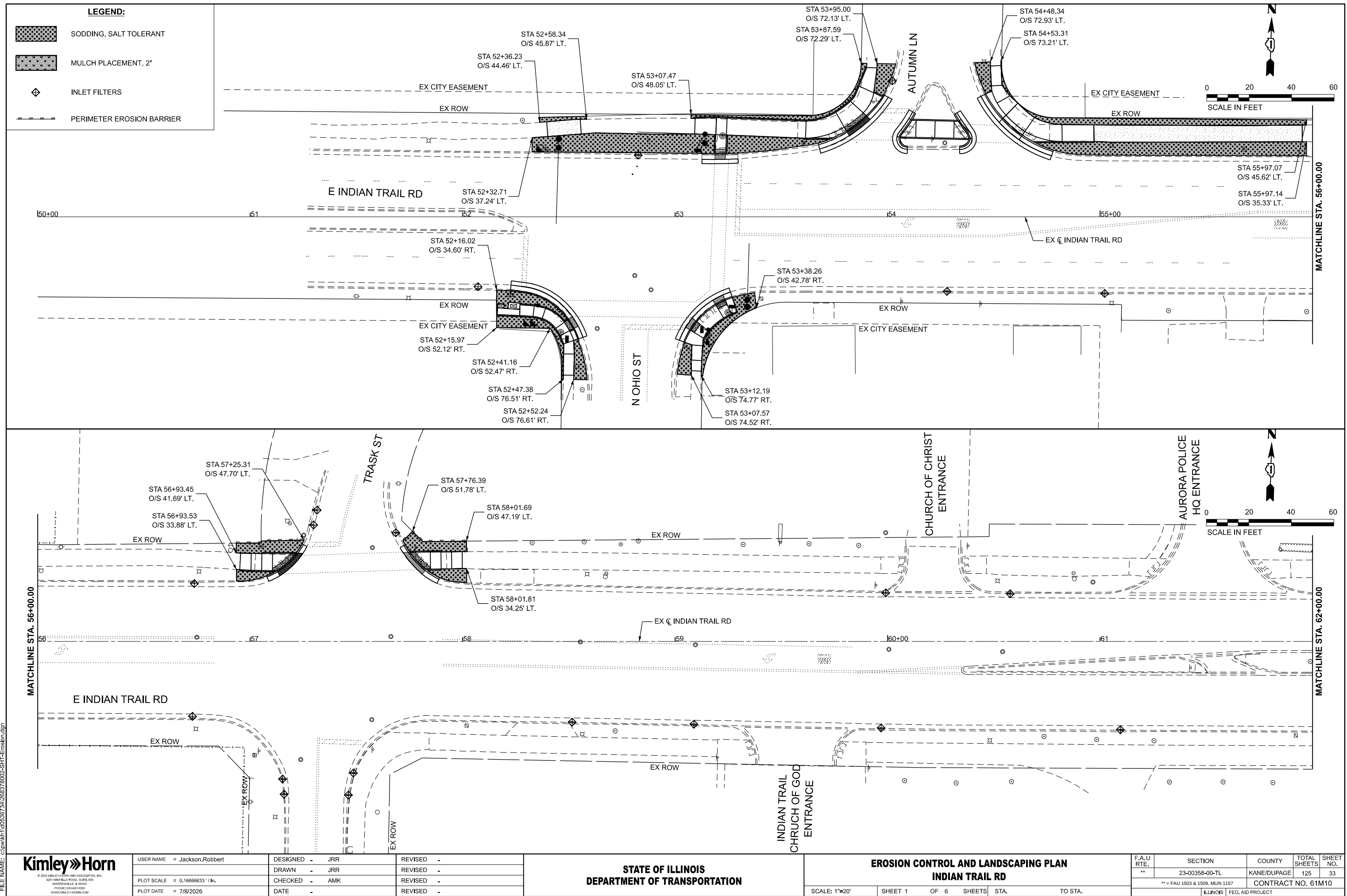
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

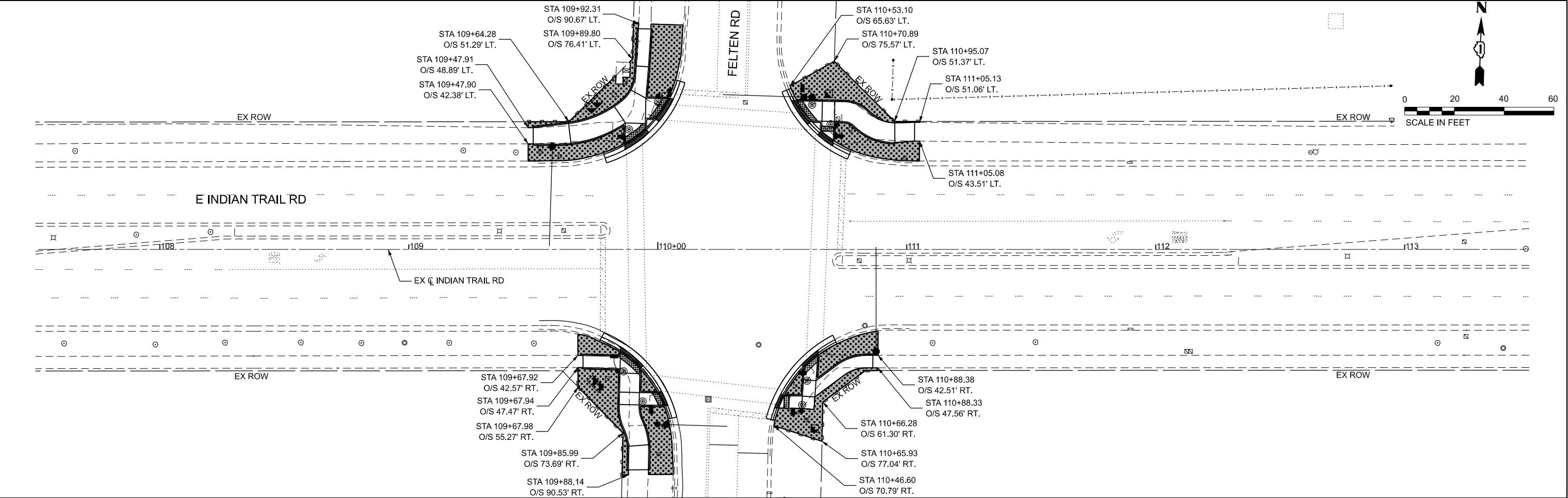
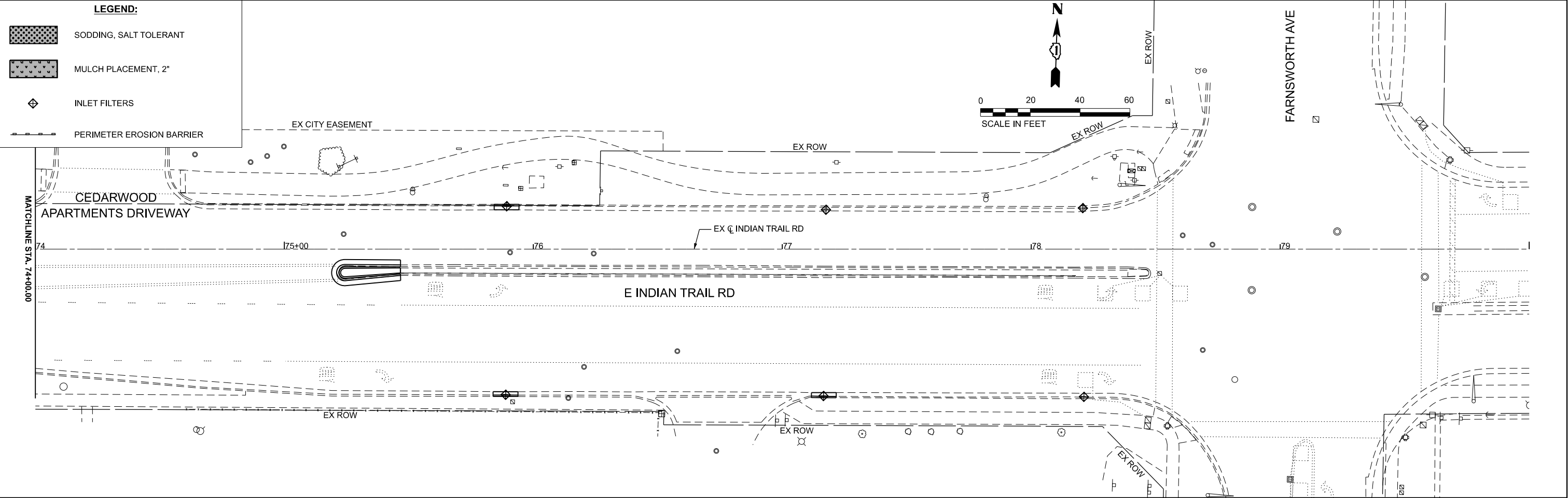
MAINTENANCE OF TRAFFIC
AND EROSION CONTROL NOTES

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

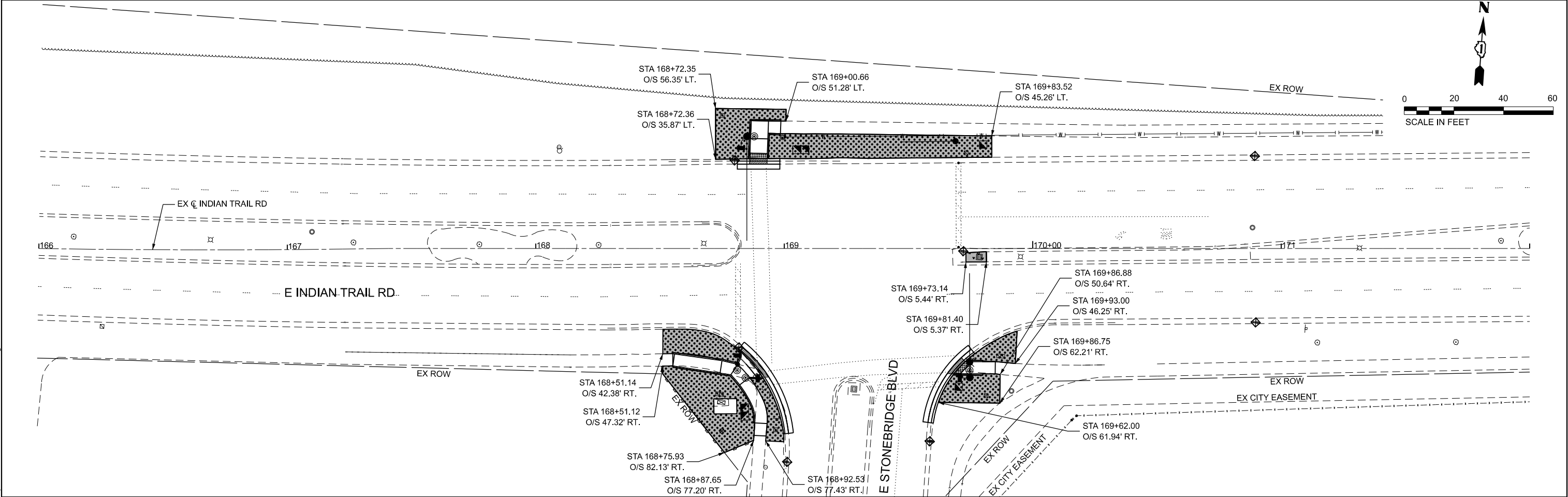
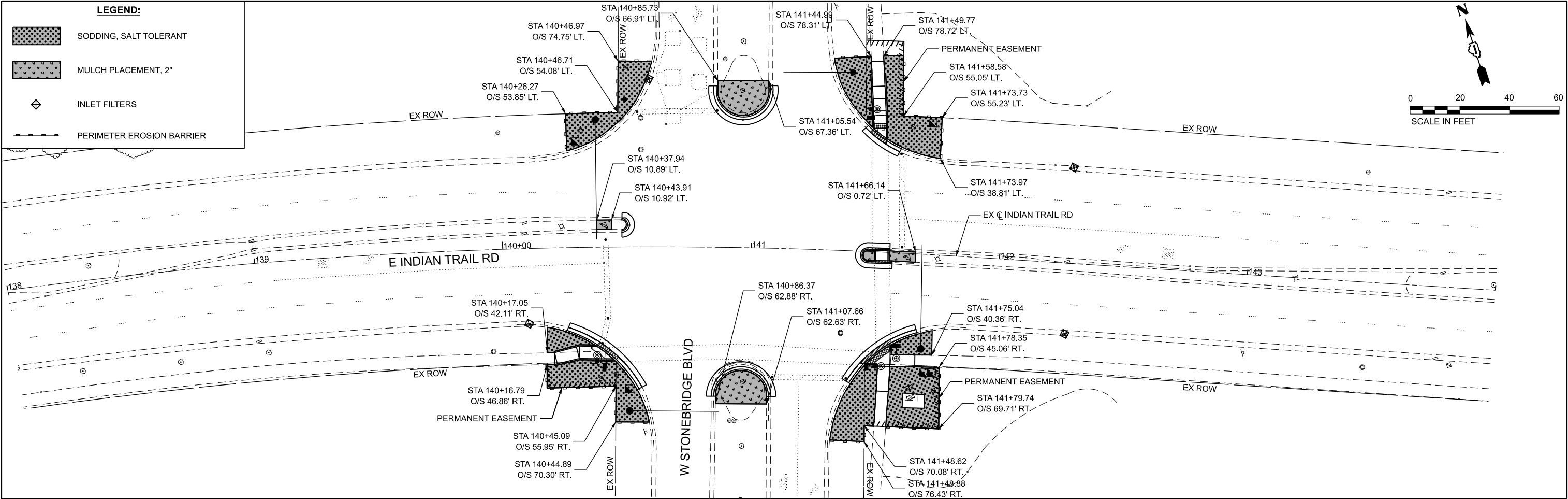
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	32
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: Notes_01 [Sheet]
FILE NAME: c:\pwwork1\00356734\268378002-SHT-MOT-ErosionNotes.dgn





Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 4011 WILFORD ROAD, SUITE 600 WARRENVILLE, IL 60055 PHONE: (630) 487-6555 WWW.KIMLEY-HORN.COM	USER NAME = Jackson.Robbert		DESIGNED - JRR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL AND LANDSCAPING PLAN INDINA TRAIL RD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / 1in.		DRAWN - JRR	REVISED -		SCALE: 1"=20'			**	23-00358-00-TL	KANE/DUPAGE	125	35
	PLOT DATE = 7/8/2026		CHECKED - AMK	REVISED -		SHEET 3 OF 6 SHEETS			CONTRACT NO. 61M10				
			DATE -	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				



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FILE NAME: c:\pwwork1\0536734\268378002-SHT-Erosion.dgn

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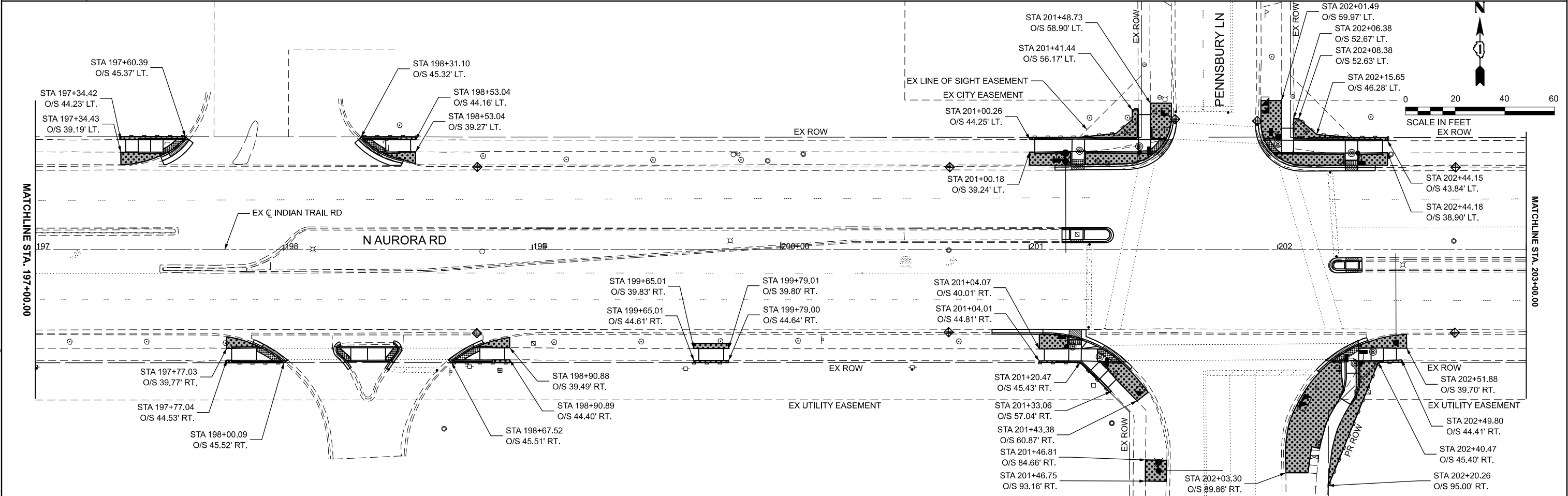
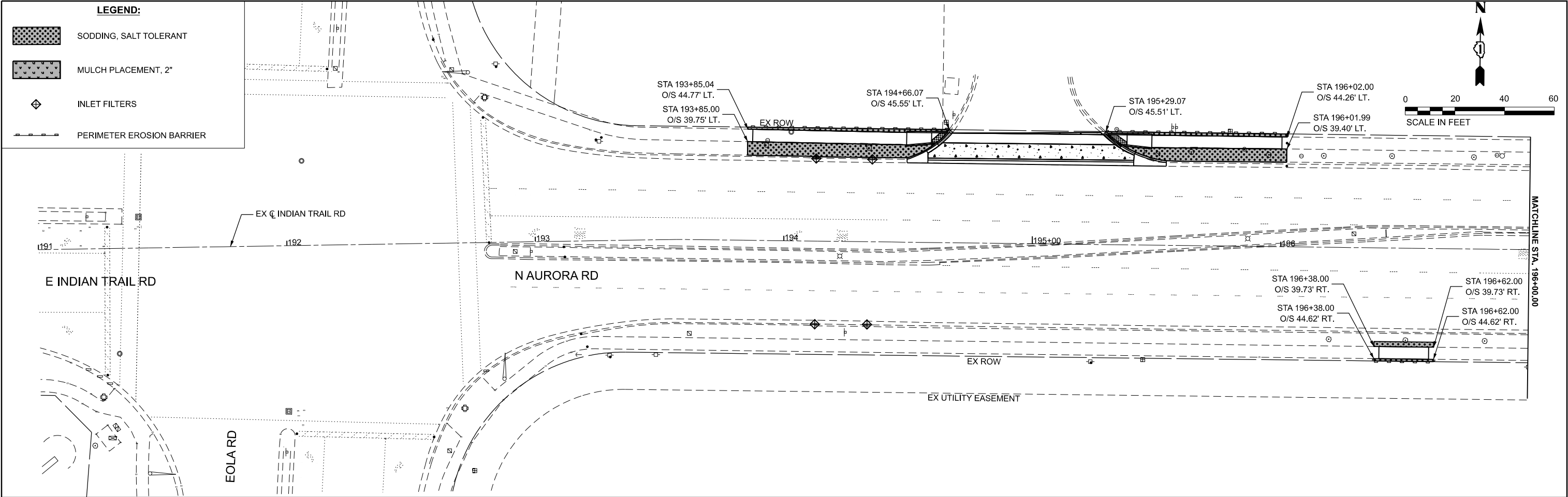
USER NAME	= Jackson.Robbert	DESIGNED	- JRR	REVISED	-
DRAWN	- JRR	REVIS	-	REVIS	-
PLOT SCALE	= 0.16666633" / 1in.	CHECKED	- AMK	REVIS	-
PLOT DATE	= 7/8/2026	DATE	-	REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN
INDIAN TRAIL RD

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	36
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		



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FILE NAME: c:\pwworking\268378002-SHT-Erosion.dgn

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USER NAME = Jackson,Robbert
PLOT SCALE = 0.16666633"/In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING PLAN
N AURORA RD**

SCALE: 1"=20'

SHEET 5

OF 6

SHEETS

STA.

TO STA.

F.A.U.
RTE.

**

SECTION

23-00358-00-TL

COUNTY

KANE/DUPAGE

TOTAL
SHEETS

125

SHEET
NO.

37

** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

MODEL: ADA_01 (Sheet)
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WARRENVILLE, IL 60059
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USER NAME = Jackson,Robbert
DESIGNED - JRR
DRAWN - JRR
PLOT SCALE = 0.16666633" / ft.
CHECKED - AMK
PLOT DATE = 7/8/2026
DATE -

REVIS
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & OHIO ST

SCALE: 1"=5'
SHEET 1 OF 15 SHEETS
STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	39
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

INDIAN TRAIL AND N OHIO STREET INTERSECTION SW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	52+16.16	45.99	(746.03)
B	52+16.39	42.83	(746.04)
C	52+26.80	46.42	745.44
D	52+26.81	43.63	745.43
E	52+26.96	41.39	745.40
G	52+33.10	46.84	744.93
H	52+33.68	41.88	744.86
J	52+37.42	47.81	744.85
K	52+39.02	43.08	744.78
M	52+43.78	52.47	744.19
N	52+47.85	49.56	744.10
P	52+49.48	48.4	743.98
Q	52+45.88	55.89	744.12
R	52+50.31	53.58	744.03
S	52+52.09	52.66	743.90
U	52+47.54	59.79	744.07
V	52+52.27	58.18	743.99
W	52+54.17	57.54	(743.98)
X	52+47.49	64.51	743.99
Y	52+52.49	64.56	743.91
Z	52.47.43	74.51	(743.47)
ZZ	52+52.29	74.56	(743.34)
AA	52+58.49	56.07	(743.65)
AB	52+22.89	30.11	(745.41)
AC	52+51.55	46.91	744.10
AD	52+54.36	51.48	(743.90)
AE	52+47.43	74.51	(743.47)
AF	52+52.29	74.56	(743.34)

INDIAN TRAIL AND N OHIO STREET INTERSECTION SE CORNER - SIDEWALK RAMP CONTROL POINTS				INDIAN TRAIL AND N OHIO STREET INTERSECTION SE CORNER - SIDEWALK RAMP CONTROL POINTS CONT.			
POINT NO.	STATION	OFFSET (RT)	ELEVATION	POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	53+12.32	72.78	(743.59)	N	53+19.14	41.56	743.53
B	53+07.62	72.47	(743.51)	O	53+29.11	44.66	(743.79)
C	53+12.49	67.78	743.61	P	53+26.89	38.02	743.69
D	53+07.76	67.47	743.58	Q	53+23.58	39.26	743.59
E	53+12.89	60.68	743.71	R	53+26.36	45.69	743.72
F	53+08.22	60.42	743.69	AA	53+00.11	57.38	(743.28)
G	53+04.51	59.03	(743.67)	AB	53+04.97	52.00	743.30
H	53+13.27	57.07	743.42	AC	53+08.08	47.61	(743.36)
I	53+07.29	53.42	743.30	AD	53+17.71	39.21	743.53
J	53+09.01	54.46	743.30	AE	53+22.48	36.73	(743.56)
K	53+15.60	53.79	743.46	AF	53+25.38	33.50	(743.66)
L	53+10.19	49.34	743.36	PM1	52+79.88	46.45	(744.14)
M	53+22.79	47.54	743.65	PM2	52+79.62	52.45	(743.93)

LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

E INDIAN TRAIL RD

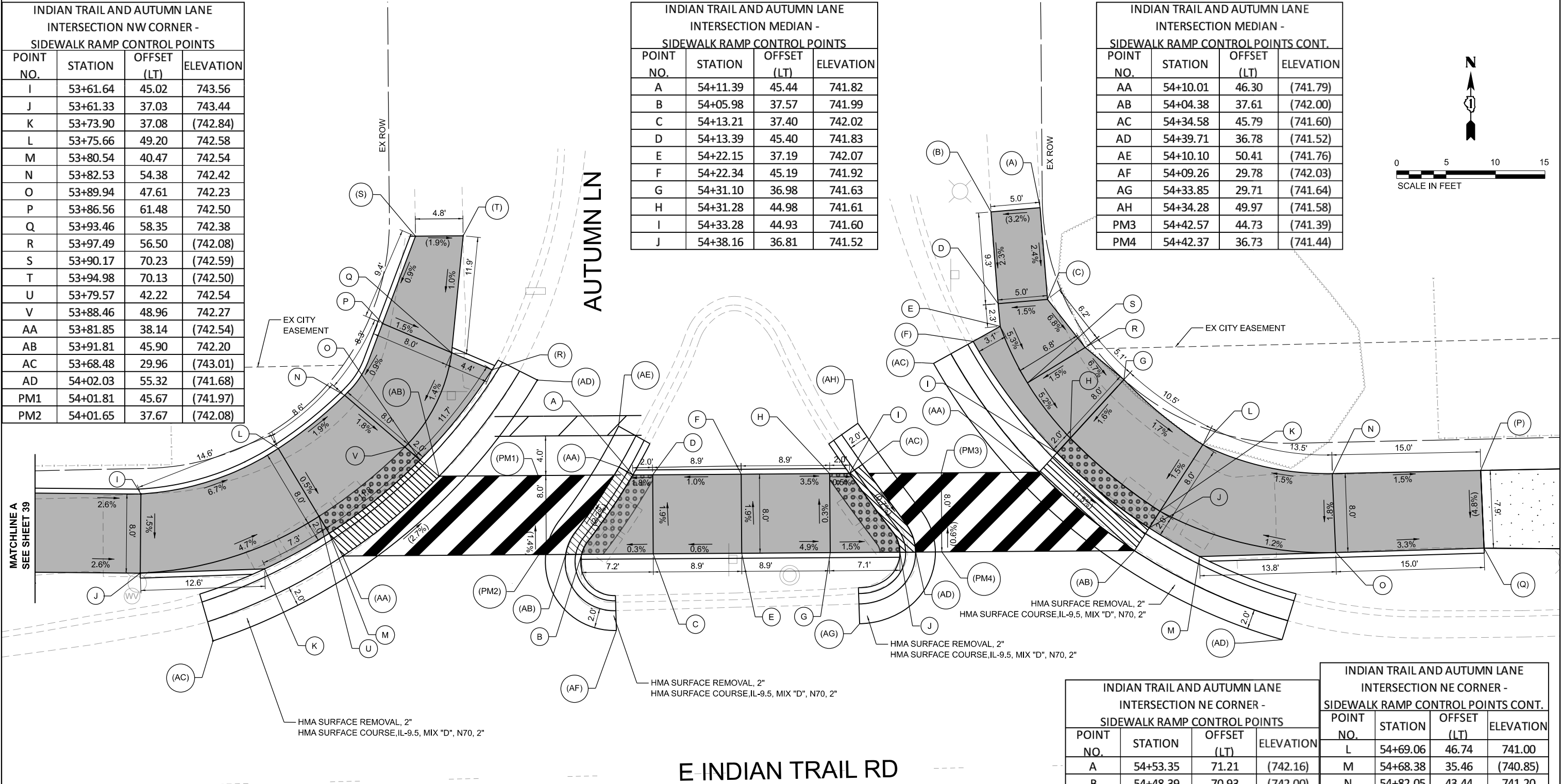
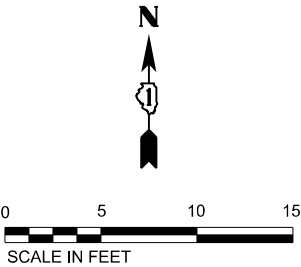
N OHIO ST

SCALE IN FEET

INDIAN TRAIL AND AUTUMN LANE INTERSECTION NW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
I	53+61.64	45.02	743.56
J	53+61.33	37.03	743.44
K	53+73.90	37.08	(742.84)
L	53+75.66	49.20	742.58
M	53+80.54	40.47	742.54
N	53+82.53	54.38	742.42
O	53+89.94	47.61	742.23
P	53+86.56	61.48	742.50
Q	53+93.46	58.35	742.38
R	53+97.49	56.50	(742.08)
S	53+90.17	70.23	(742.59)
T	53+94.98	70.13	(742.50)
U	53+79.57	42.22	742.54
V	53+88.46	48.96	742.27
AA	53+81.85	38.14	(742.54)
AB	53+91.81	45.90	742.20
AC	53+68.48	29.96	(743.01)
AD	54+02.03	55.32	(741.68)
PM1	54+01.81	45.67	(741.97)
PM2	54+01.65	37.67	(742.08)

INDIAN TRAIL AND AUTUMN LANE INTERSECTION MEDIAN - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	54+11.39	45.44	741.82
B	54+05.98	37.57	741.99
C	54+13.21	37.40	742.02
D	54+13.39	45.40	741.83
E	54+22.15	37.19	742.07
F	54+22.34	45.19	741.92
G	54+31.10	36.98	741.63
H	54+31.28	44.98	741.61
I	54+33.28	44.93	741.60
J	54+38.16	36.81	741.52

INDIAN TRAIL AND AUTUMN LANE INTERSECTION MEDIAN - SIDEWALK RAMP CONTROL POINTS CONT.			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
AA	54+10.01	46.30	(741.79)
AB	54+04.38	37.61	(742.00)
AC	54+34.58	45.79	(741.60)
AD	54+39.71	36.78	(741.52)
AE	54+10.10	50.41	(741.76)
AF	54+09.26	29.78	(742.03)
AG	54+33.85	29.71	(741.64)
AH	54+34.28	49.97	(741.58)
PM3	54+42.57	44.73	(741.39)
PM4	54+42.37	36.73	(741.44)



LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

INDIAN TRAIL AND AUTUMN LANE INTERSECTION NE CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
L	54+53.35	71.21	(742.16)
A	54+48.39	70.93	(742.00)
B	54+53.82	61.92	(741.94)
C	54+48.83	61.63	741.87
D	54+48.96	59.34	741.75
E	54+46.18	57.90	(741.66)
F	54+55.70	47.82	741.05
G	54+54.31	46.39	741.01
H	54+63.39	38.51	740.82
I	54+64.53	40.16	740.86

INDIAN TRAIL AND AUTUMN LANE INTERSECTION NE CORNER - SIDEWALK RAMP CONTROL POINTS CONT.			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
M	54+68.38	35.46	(740.85)
N	54+82.05	43.44	741.20
O	54+82.15	35.44	741.08
P	54+97.06	43.30	(740.97)
Q	54+97.16	35.43	(740.59)
R	54+57.48	56.94	741.52
S	54+51.53	53.54	741.42
AA	54+52.45	44.48	(741.01)
AB	54+61.84	36.26	(740.82)
AC	54+42.12	55.79	(741.37)
AD	54+76.48	26.81	(740.68)

Kimley»Horn

USER NAME = Jackson,Robbert
DESIGNED - JRR
DRAWN - JRR
PLOT SCALE = 0.16666633 1/In.
CHECKED - AMK
PLOT DATE = 7/8/2026
DATE -

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DATE -

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DRAWN - JRR
PLOT SCALE = 0.16666633 1/In.
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PLOT DATE = 7/8/2026
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & AUTUMN LN

SCALE: 1"=5'

SHEET 3

OF 15

SHEETS

STA.

TO STA.

F.A.U

RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

23-00358-00-TL

KANE/DUPAGE

125

41

** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

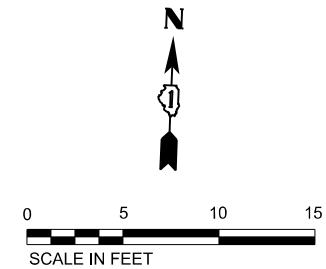
ILLINOIS FED. AID PROJECT

INDIAN TRAIL AND TRASK STREET INTERSECTION
NW CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	56+95.45	41.55	(735.56)
B	56+95.05	33.80	(735.76)
C	57+00.45	41.48	735.26
D	57+00.34	33.48	735.40
E	57+05.45	41.41	735.18
F	57+05.34	33.41	735.32
G	57+10.45	41.34	735.02
H	57+10.50	33.34	735.16
I	57+12.50	33.32	735.13
J	57+21.49	41.41	734.88
PM1	57+47.99	41.67	(734.69)
PM2	57+47.14	33.66	(734.72)
AA	57+08.83	28.31	(735.42)
AB	57+14.01	30.98	735.13
AC	57+24.81	41.44	734.88
AD	57+26.72	44.67	(734.72)

INDIAN TRAIL AND TRASK STREET INTERSECTION
NE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	57+75.18	41.94	734.24
B	57+82.81	33.99	734.14
C	57+84.73	42.06	734.04
D	57+84.81	34.03	734.15
E	57+89.73	42.12	734.13
F	57+89.84	34.13	734.05
G	57+94.73	42.19	734.05
H	57+94.84	34.19	733.98
I	57+99.73	42.25	(733.82)
J	57+99.83	34.36	(733.87)
AA	57+70.47	44.19	(734.29)
AB	57+71.87	41.93	(734.24)
AC	57+80.96	31.63	(734.14)
AD	57+87.92	27.34	(734.04)



TRASK ST

E INDIAN TRAIL RD

LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

===== PROPOSED SIDE CURB

(%) EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

Kimley»Horn

USER NAME = Jackson,Robbert

DESIGNED - JRR

REVIS

PLOT SCALE = 0.16666633 1/In.

DRAWN - JRR

REVIS

PLOT DATE = 7/8/2026

CHECKED - AMK

REVIS

DATE -

REVIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & TRASK ST

SCALE: 1"=5'

SHEET 4

OF

15

SHEETS

STA.

TO STA.

F.A.U.
RTE.

**

SECTION

23-00358-00-TL

COUNTY

KANE/DUPAGE

TOTAL
SHEETS

125

SHEET
NO.

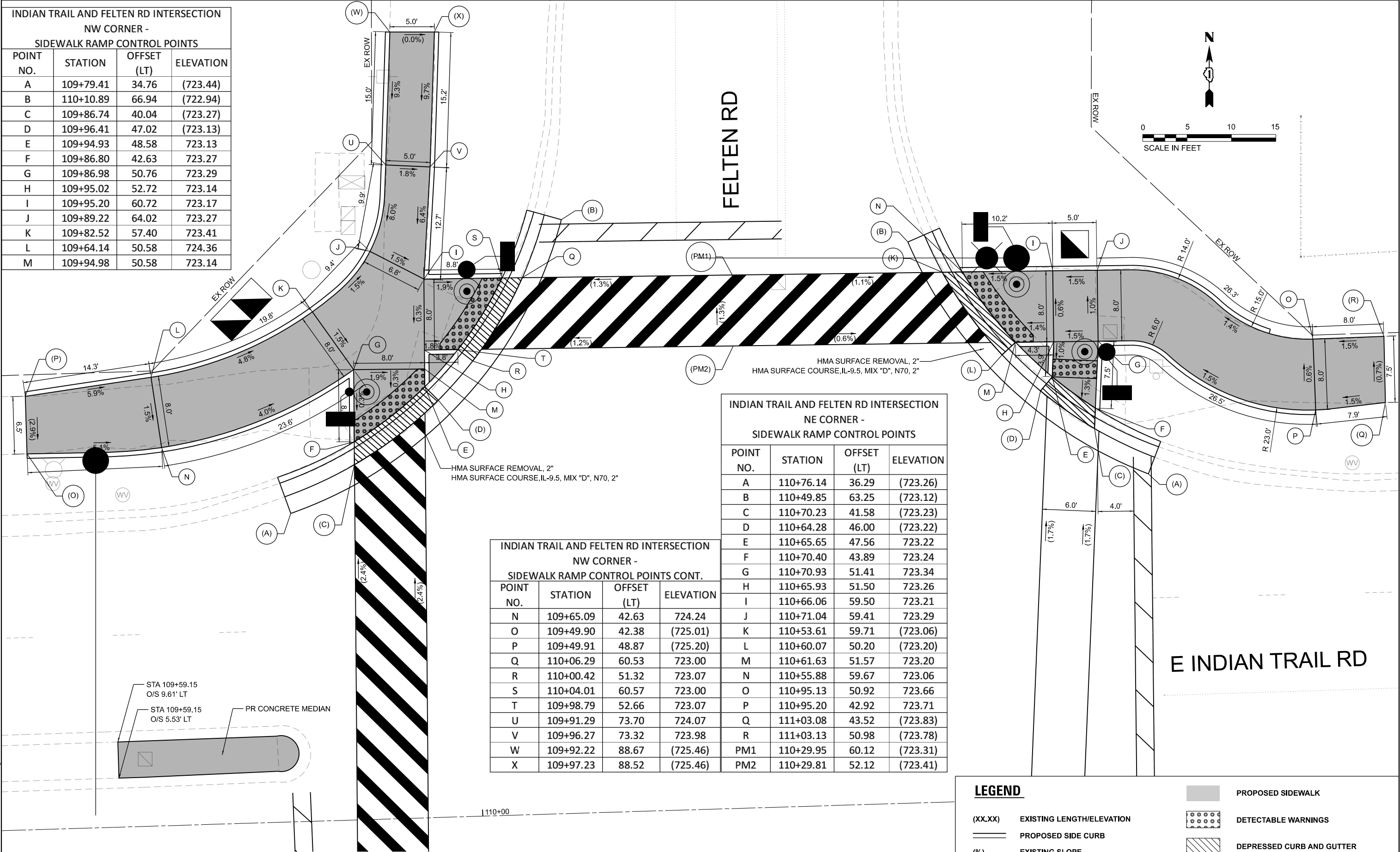
42

** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

INDIAN TRAIL AND FELTEN RD INTERSECTION			
NW CORNER -			
SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	109+79.41	34.76	(723.44)
B	110+10.89	66.94	(722.94)
C	109+86.74	40.04	(723.27)
D	109+96.41	47.02	(723.13)
E	109+94.93	48.58	723.13
F	109+86.80	42.63	723.27
G	109+86.98	50.76	723.29
H	109+95.02	52.72	723.14
I	109+95.20	60.72	723.17
J	109+89.22	64.02	723.27
K	109+82.52	57.40	723.41
L	109+64.14	50.58	724.36
M	109+94.98	50.58	723.14



INDIAN TRAIL AND FELTEN RD INTERSECTION
NE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	110+76.14	36.29	(723.26)
B	110+49.85	63.25	(723.12)
C	110+70.23	41.58	(723.23)
D	110+64.28	46.00	(723.22)
E	110+65.65	47.56	723.22
F	110+70.40	43.89	723.24
G	110+70.93	51.41	723.34
H	110+65.93	51.50	723.26
I	110+66.06	59.50	723.21
J	110+71.04	59.41	723.29
K	110+53.61	59.71	(723.06)
L	110+60.07	50.20	(723.20)
M	110+61.63	51.57	723.20
N	110+55.88	59.67	723.06
O	110+95.13	50.92	723.66
P	110+95.20	42.92	723.71
Q	111+03.08	43.52	(723.83)
R	111+03.13	50.98	(723.78)
PM1	110+29.95	60.12	(723.31)
PM2	110+29.81	52.12	(723.41)

INDIAN TRAIL AND FELTEN RD INTERSECTION
NW CORNER -
SIDEWALK RAMP CONTROL POINTS CONT.

POINT NO.	STATION	OFFSET (LT)	ELEVATION
N	109+65.09	42.63	724.24
O	109+49.90	42.38	(725.01)
P	109+49.91	48.87	(725.20)
Q	110+06.29	60.53	723.00
R	110+00.42	51.32	723.07
S	110+04.01	60.57	723.00
T	109+98.79	52.66	723.07
U	109+91.29	73.70	724.07
V	109+96.27	73.32	723.98
W	109+92.22	88.67	(725.46)
X	109+97.23	88.52	(725.46)

LEGEND

- (XX.XX)

EXISTING LENGTH/ELEVATION
- =====

PROPOSED SIDE CURB
- (%)

EXISTING SLOPE
- ** ALL CROSSWALKS SHALL BE HIGH VISIBILITY CROSSWALKS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PROPOSED BIKE PATH

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Kimley»Horn

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4011 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60059
PHONE: (630) 487-6500
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633" / In.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & FELTEN RD

SCALE: 1"=5' SHEET 5 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	43
		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

INDIAN TRAIL AND FELTEN ROAD INTERSECTION
SW CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	110+07.60	67.35	(723.65)
B	109+78.42	33.36	(723.63)
C	110+04.05	62.72	(723.61)
D	110+01.41	56.90	723.70
E	110+00.05	57.63	723.70
F	110+02.43	62.69	723.61
G	109+92.49	62.47	723.79
H	109+92.60	57.47	723.84
I	109+84.49	62.29	723.93
J	109+84.60	57.29	723.98
K	109+84.77	49.64	723.74
L	109+92.77	49.81	723.72
M	109+92.81	47.81	723.71

INDIAN TRAIL AND FELTEN ROAD
INTERSECTION SW CORNER -
SIDEWALK RAMP CONTROL POINTS CONT.

POINT NO.	STATION	OFFSET (RT)	ELEVATION
N	109+94.05	46.65	(723.71)
O	109+84.81	47.93	723.71
P	109+84.92	42.95	723.61
Q	109+84.96	41.33	723.58
R	109+85.00	39.11	(723.58)
S	109+69.94	47.46	(724.57)
T	109+69.92	42.60	(724.45)
U	109+88.26	79.08	724.89
V	109+96.24	78.45	724.74
W	109+96.17	88.45	(725.19)
X	109+88.13	88.53	(725.65)
PM1	109+85.67	8.66	(723.93)
PM2	109+93.67	8.83	(723.93)

INDIAN TRAIL AND FELTEN ROAD
INTERSECTION SE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	110+43.49	67.84	(723.62)
B	110+70.24	34.44	(723.24)
C	110+46.91	63.66	(723.52)
D	110+49.39	58.05	(723.50)
E	110+50.73	58.75	723.50
F	110+48.57	63.70	723.52
G	110+57.71	63.90	723.87
H	110+58.06	58.91	723.77
I	110+62.69	64.26	723.94
J	110+63.05	59.26	723.86
K	110+63.52	52.69	723.73
L	110+58.53	52.34	723.64
M	110+58.88	47.35	723.41
N	110+64.23	42.64	723.28
O	110+64.39	40.43	(723.28)
P	110+57.76	46.28	(723.41)
Q	110+86.38	42.52	(723.93)
R	110+86.33	47.56	(724.03)
PM3	110+25.43	57.69	(723.85)
PM4	110+25.30	63.69	(723.85)
PM5	110+60.44	18.41	(723.60)
PM6	110+66.43	18.84	(723.57)

LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION
PROPOSED SIDE CURB
(%) EXISTING SLOPE

PROPOSED SIDEWALK
DETECTABLE WARNINGS
DEPRESSED CURB AND GUTTER
PROPOSED BIKE PATH

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

Kimley»Horn

USER NAME = Jackson,Robbert
PLOT SCALE = 0.16666633 1/In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & FELTEN RD

SCALE: 1"=5'

SHEET 6

OF 15

SHEETS

STA.

TO STA.

F.A.U.
RTE.

**

SECTION

23-00358-00-TL

COUNTY

KANE/DUPAGE

TOTAL
SHEETS

125

SHEET
NO.

44

** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

W STONEBRIDGE BLVD

INDIAN TRAIL AND W STONEBRIDGE BLVD
INTERSECTION EAST SIDE MEDIAN -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	141+50.34	4.58	(724.58)
B	141+55.30	4.55	(724.42)
C	141+50.27	3.50	724.49
D	141+55.23	3.39	724.42
E	141+50.03	0.51	724.51
F	141+55.02	0.60	724.45
G	141+50.01	1.55	(724.51)
H	141+54.93	1.63	(724.47)
AA	141+47.08	6.59	(724.54)
AB	141+57.00	6.54	(724.37)
AC	141+48.62	3.53	(724.57)
AD	141+55.73	3.64	(724.49)
PM5	141+48.16	24.36	(725.05)
PM6	141+54.09	24.71	(724.94)



HMA SURFACE REMOVAL, 2"
HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"

PR PERMANENT EASEMENT

INDIAN TRAIL AND W STONEBRIDGE BLVD
INTERSECTION SE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	141+52.91	55.88	(724.57)
B	141+57.95	55.92	(724.68)
C	141+58.07	45.92	724.18
D	141+52.95	45.88	724.26
E	141+52.92	44.91	724.25
F	141+48.32	45.08	724.34
G	141+68.30	45.41	(724.38)
H	141+68.13	40.66	(724.24)
I	141+57.92	40.93	724.06
J	141+57.80	37.28	724.05
K	141+57.73	34.90	724.05
L	141+54.43	45.16	724.23
AA	141+38.49	51.48	724.32
AB	141+67.37	28.47	723.87
PM3	141+50.81	21.76	(724.32)
PM4	141+56.86	21.40	(724.20)

INDIAN TRAIL AND W STONEBRIDGE BLVD
INTERSECTION NE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	141+45.94	47.99	725.40
B	141+52.48	43.28	725.26
C	141+47.23	49.52	725.40
D	141.52.09	49.82	725.34
E	141+46.72	56.52	725.74
F	141+51.56	56.80	725.68
G	141+46.33	61.36	725.83
H	141+51.15	61.78	725.77
I	141+45.94	66.35	726.25
J	141+50.75	66.76	726.23
K	141+45.18	76.31	(727.09)
L	141+49.94	76.73	(727.15)
AA	141+42.71	48.31	(725.57)
AB	141+56.98	38.85	(724.99)

LEGEND

(XX.XX)

EXISTING LENGTH/ELEVATION

=====

PROPOSED SIDE CURB

(%)

EXISTING SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



DEPRESSED CURB AND GUTTER



PROPOSED BIKE PATH

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & STONEBRIDGE BLVD

SCALE: 1"=5'

SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	45
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

Kimley»Horn

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4011 WILLOW ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-467-4555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-
PLOT SCALE	= 0.16666633" / In.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

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INDIAN TRAIL AND W STONEBRIDGE BLVD INTERSECTION SW CORNER - SIDEWALK RAMP CONTROL POINTS				INDIAN TRAIL AND W STONEBRIDGE BLVD INTERSECTION SOUTH SIDE MEDIAN - CURB CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION	POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	140+19.86	46.87	(725.99)	A	140+82.56	59.96	(724.66)
B	140+19.97	42.09	(726.11)	B	141+11.42	59.57	(724.68)
C	140+20.98	46.63	(725.98)				
D	140+28.98	39.96	725.42				
E	140+30.15	44.66	725.25				
F	140+30.24	39.66	725.41				
G	140+37.38	39.83	725.29				
H	140+43.94	4.98	725.00				
I	140+38.55	38.10	725.29				
J	140+47.18	45.03	(725.00)				
AA	140+26.73	30.24	(725.82)				
AB	140+57.75	55.47	(724.63)				
PM1	140+88.95	40.18	(724.88)				
PM2	140+88.64	46.18	(724.80)				

LEGEND

(XX.XX)

EXISTING LENGTH/ELEVATION

=====

PROPOSED SIDE CURB

(%)

EXISTING SLOPE

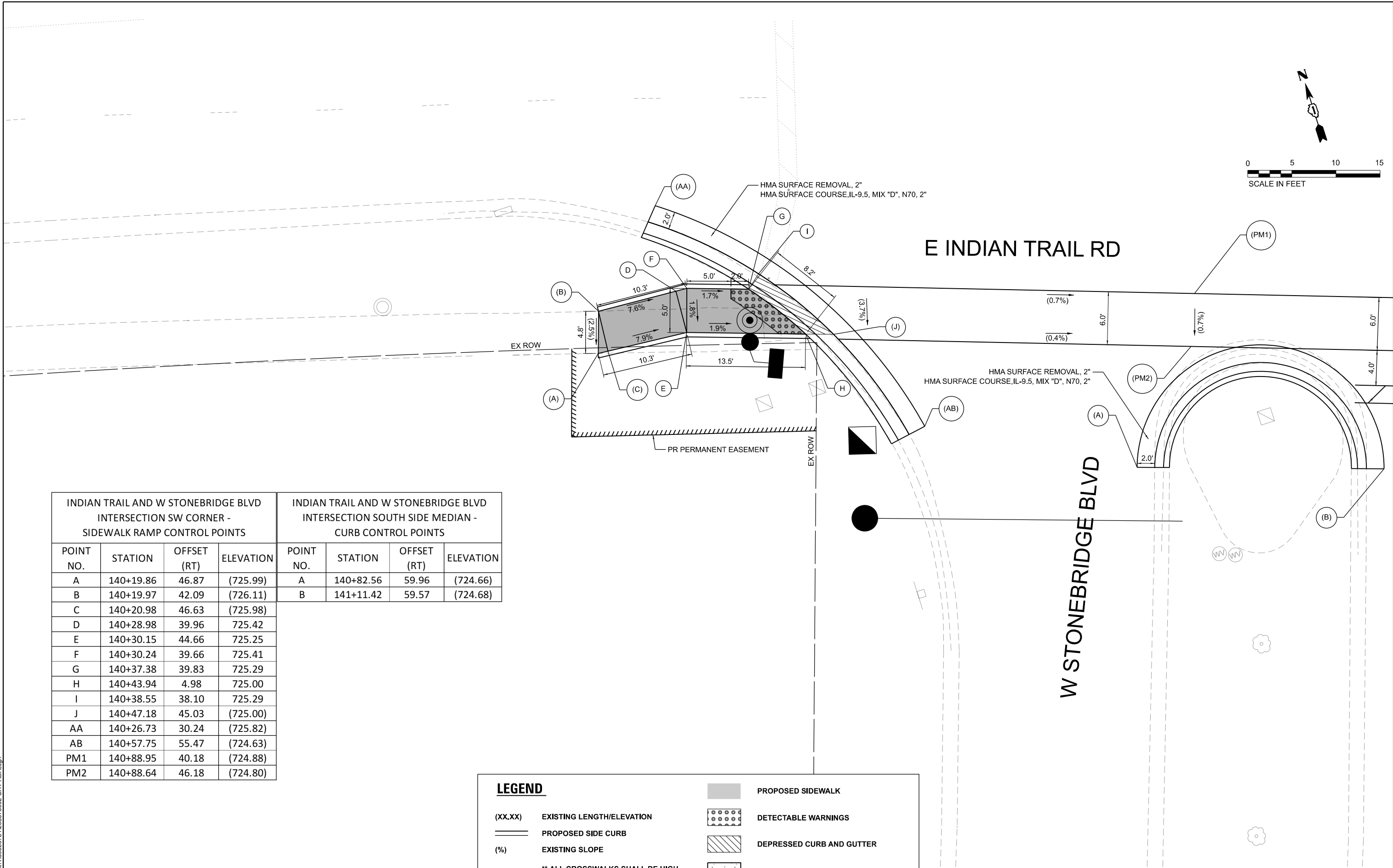
** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

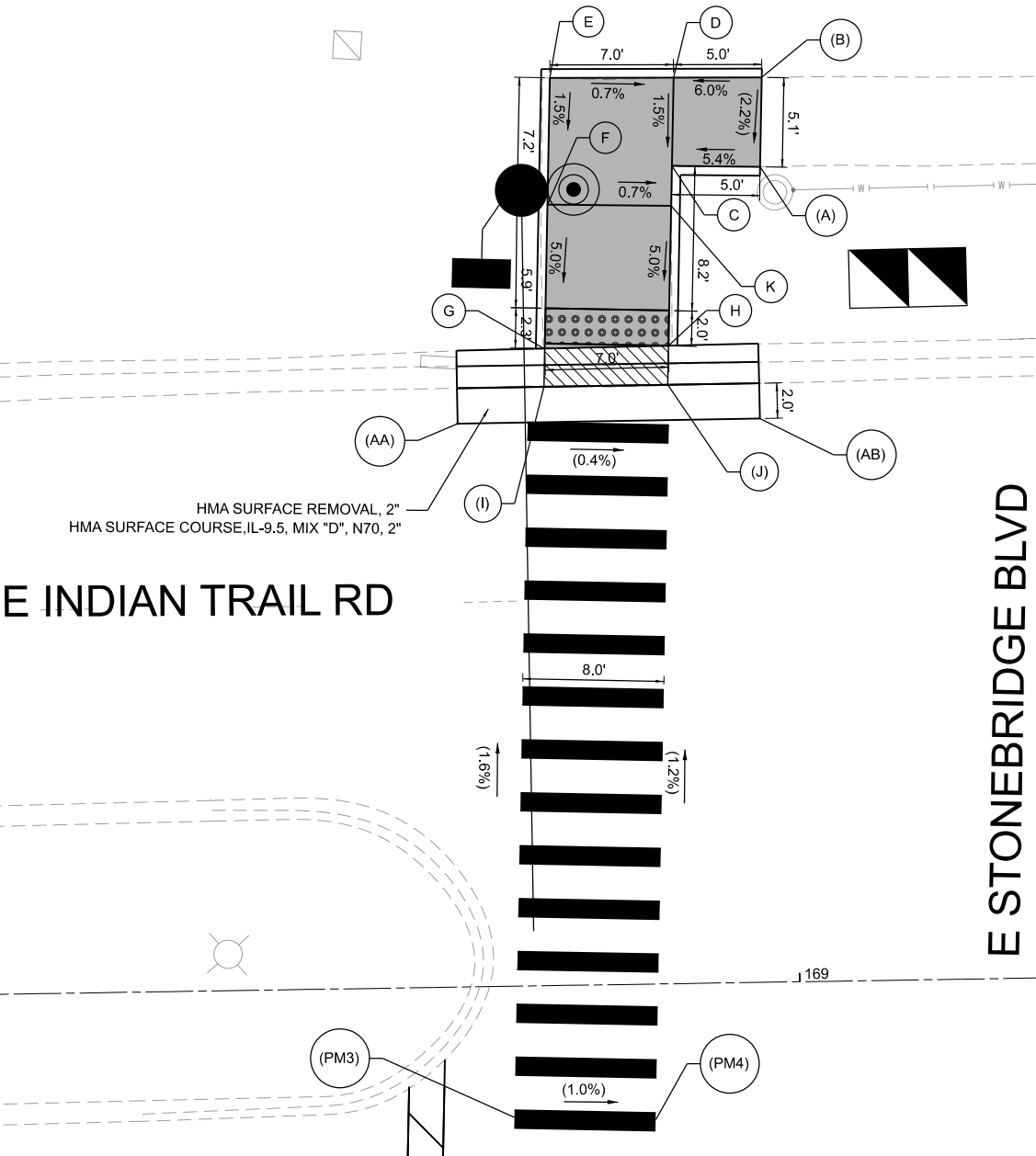
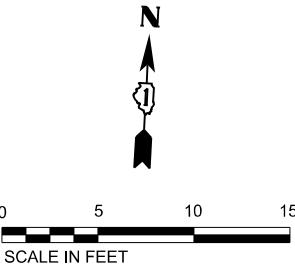
PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH





INDIAN TRAIL AND E STONEBRIDGE BLVD INTERSECTION NW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	168+98.47	46.21	(721.10)
B	168+98.65	51.29	(721.21)
C	168+93.47	46.35	720.83
D	168+93.65	51.35	720.91
E	168+86.64	51.45	720.96
F	168+85.02	44.27	720.85
G	168+86.11	36.09	720.44
H	168+93.12	36.15	720.40
I	168+86.04	33.94	(720.44)
J	168+93.04	33.95	(720.40)
K	168+92.02	44.09	720.80
AA	168+79.73	31.94	(720.59)
AB	168+98.23	31.95	(720.44)
PM3	168+83.71	4.73	(721.06)
PM4	168+91.70	7.71	(720.97)

LEGEND

- (XX.XX)

EXISTING LENGTH/ELEVATION
- =====

PROPOSED SIDE CURB
- (%)

EXISTING SLOPE
- ** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PROPOSED BIKE PATH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
INDIAN TRAIL RD & STONEBRIDGE BLVD

SCALE: 1"=5' SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	47
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

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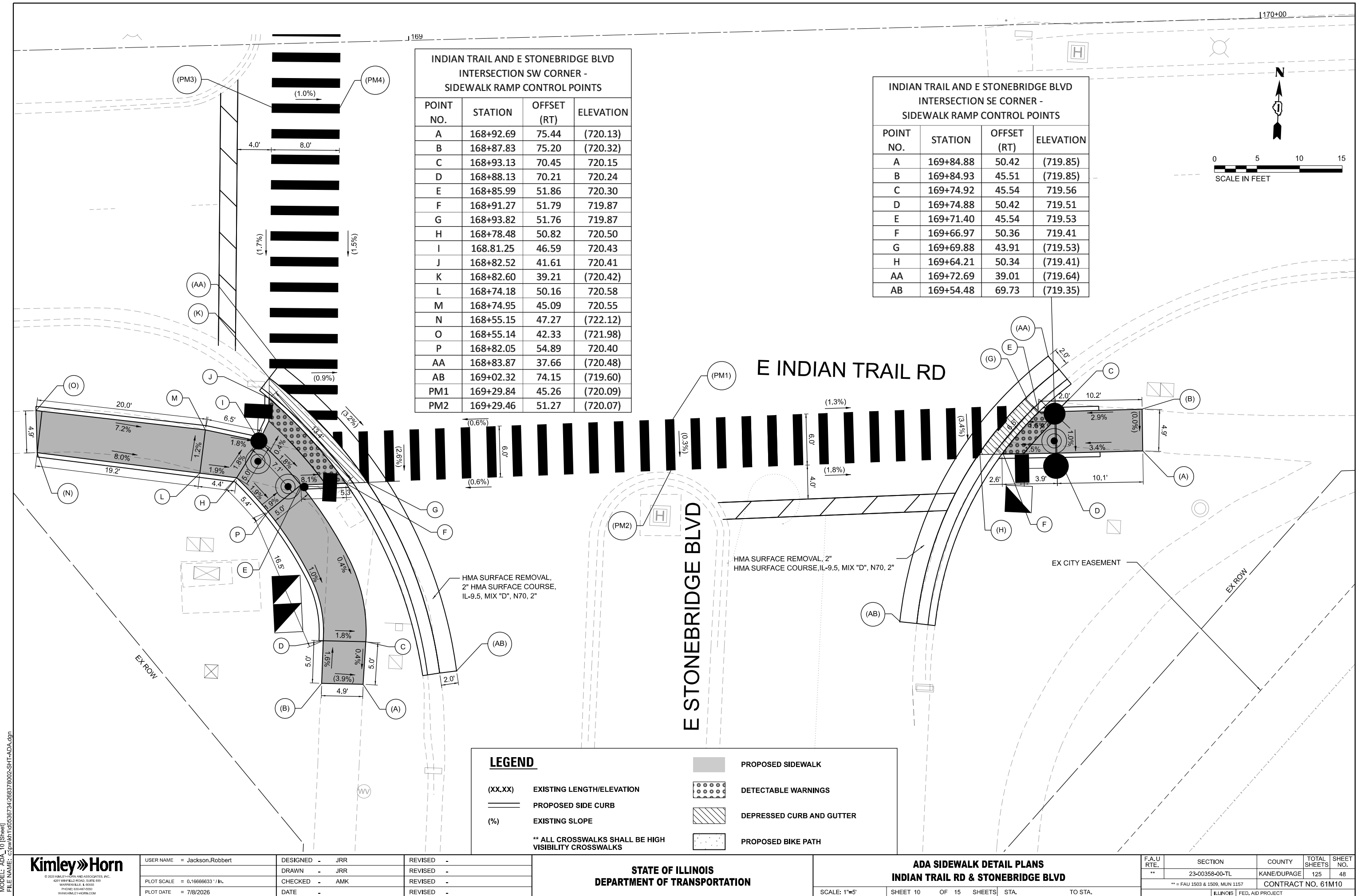
Kimley»Horn

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4011 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-5555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert	DESIGNED	- JRR	REVISED	-
		DRAWN	- JRR	REVISED	-
PLOT SCALE	= 0.16666633 "/in.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

DESIGNED	- JRR	REVISED	-
DRAWN	- JRR	REVISED	-
CHECKED	- AMK	REVISED	-
DATE	-	REVISED	-

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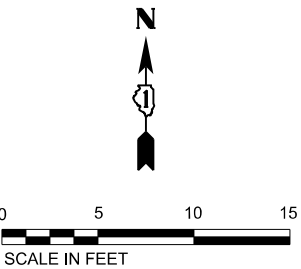
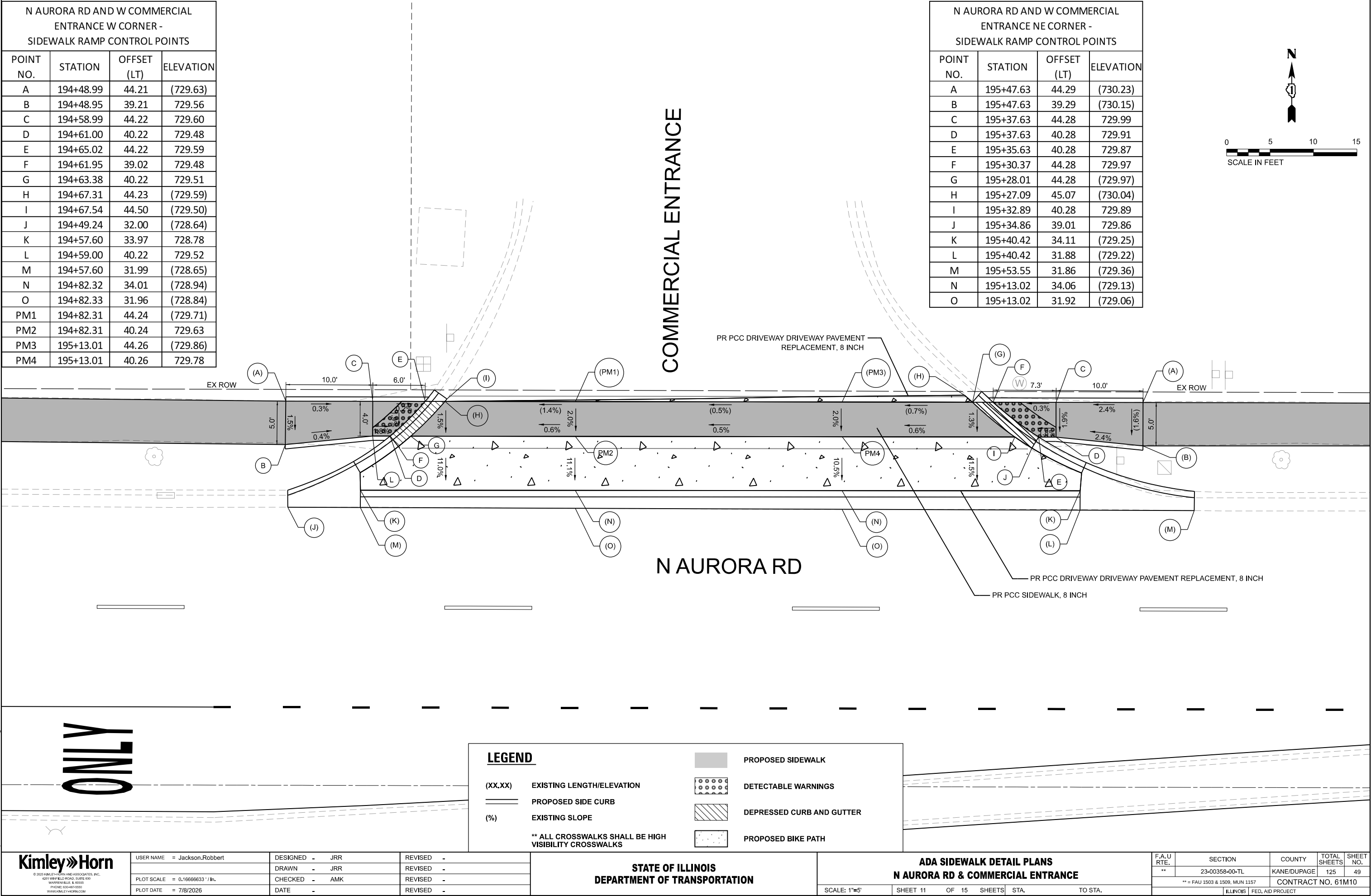


INDIAN TRAIL AND E STONEBRIDGE BLVD INTERSECTION SW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	168+92.69	75.44	(720.13)
B	168+87.83	75.20	(720.32)
C	168+93.13	70.45	720.15
D	168+88.13	70.21	720.24
E	168+85.99	51.86	720.30
F	168+91.27	51.79	719.87
G	168+93.82	51.76	719.87
H	168+78.48	50.82	720.50
I	168.81.25	46.59	720.43
J	168+82.52	41.61	720.41
K	168+82.60	39.21	(720.42)
L	168+74.18	50.16	720.58
M	168+74.95	45.09	720.55
N	168+55.15	47.27	(722.12)
O	168+55.14	42.33	(721.98)
P	168+82.05	54.89	720.40
AA	168+83.87	37.66	(720.48)
AB	169+02.32	74.15	(719.60)
PM1	169+29.84	45.26	(720.09)
PM2	169+29.46	51.27	(720.07)

INDIAN TRAIL AND E STONEBRIDGE BLVD INTERSECTION SE CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	169+84.88	50.42	(719.85)
B	169+84.93	45.51	(719.85)
C	169+74.92	45.54	719.56
D	169+74.88	50.42	719.51
E	169+71.40	45.54	719.53
F	169+66.97	50.36	719.41
G	169+69.88	43.91	(719.53)
H	169+64.21	50.34	(719.41)
AA	169+72.69	39.01	(719.64)
AB	169+54.48	69.73	(719.35)

N AURORA RD AND W COMMERCIAL ENTRANCE W CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	194+48.99	44.21	(729.63)
B	194+48.95	39.21	729.56
C	194+58.99	44.22	729.60
D	194+61.00	40.22	729.48
E	194+65.02	44.22	729.59
F	194+61.95	39.02	729.48
G	194+63.38	40.22	729.51
H	194+67.31	44.23	(729.59)
I	194+67.54	44.50	(729.50)
J	194+49.24	32.00	(728.64)
K	194+57.60	33.97	728.78
L	194+59.00	40.22	729.52
M	194+57.60	31.99	(728.65)
N	194+82.32	34.01	(728.94)
O	194+82.33	31.96	(728.84)
PM1	194+82.31	44.24	(729.71)
PM2	194+82.31	40.24	729.63
PM3	195+13.01	44.26	(729.86)
PM4	195+13.01	40.26	729.78

N AURORA RD AND W COMMERCIAL ENTRANCE NE CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	195+47.63	44.29	(730.23)
B	195+47.63	39.29	(730.15)
C	195+37.63	44.28	729.99
D	195+37.63	40.28	729.91
E	195+35.63	40.28	729.87
F	195+30.37	44.28	729.97
G	195+28.01	44.28	(729.97)
H	195+27.09	45.07	(730.04)
I	195+32.89	40.28	729.89
J	195+34.86	39.01	729.86
K	195+40.42	34.11	(729.25)
L	195+40.42	31.88	(729.22)
M	195+53.55	31.86	(729.36)
N	195+13.02	34.06	(729.13)
O	195+13.02	31.92	(729.06)



LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

MODEL: ADA_11 (Sheet)
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Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
4011 WILFORD ROAD, SUITE 200
WARRENVILLE, IL 60055
PHONE: 630-487-8500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633" / 1ft.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
N AURORA RD & COMMERCIAL ENTRANCE

SCALE: 1"=5'

SHEET 11 OF 15 SHEETS STA. TO STA.

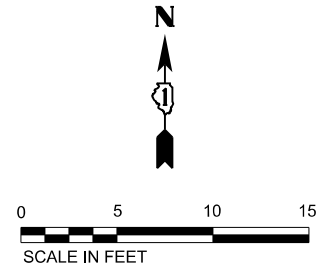
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	49
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

N AURORA RD AND E COMMERCIAL ENTRANCE
NW CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	197+36.42	44.21	(730.67)
B	197+36.43	39.20	(730.50)
C	197+41.42	44.19	730.29
D	197+41.43	39.21	730.20
E	197+46.42	44.18	730.20
F	197+46.43	39.23	730.11
G	197+51.42	44.16	729.83
H	197+51.43	39.24	729.76
I	197+59.35	44.17	729.79
J	197+53.43	39.24	729.73
K	197+61.91	44.17	729.79
L	197+54.53	37.36	(729.73)
AA	197+63.48	42.93	(729.87)
AB	197+51.78	34.09	(729.73)
PM1	197+97.02	44.73	(729.47)
PM2	197+97.02	38.73	(729.40)

N AURORA RD AND E COMMERCIAL ENTRANCE
NE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	198+51.04	44.23	(729.81)
B	198+51.04	39.27	(729.72)
C	198+41.04	44.26	729.34
D	198+41.04	39.27	729.25
E	198+32.16	44.25	729.29
F	198+39.04	39.27	729.22
H	198+29.99	44.25	729.29
I	198+38.34	37.92	(729.12)
AA	198+28.55	42.86	(729.34)
AB	198+42.82	33.90	(729.00)



COMMERCIAL ENTRANCE

N AURORA RD

LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

===== PROPOSED SIDE CURB

(%) EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

Kimley»Horn

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4011 WILFORD ROAD, SUITE 300
WARRENVILLE, IL 60055
PHONE: 630-467-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson,Robbert

DESIGNED - JRR

REVISED -

DRAWN - JRR

REVISI

PLOT SCALE = 0.16666633 1/In.

CHECKED - AMK

REVISED -

PLOT DATE = 7/8/2026

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
N AURORA RD & COMMERCIAL ENTRANCE

SCALE: 1"=5'

SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	50
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

MODEL: ADA_13 (Sheet)
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4011 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-5555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson,Robbert
PLOT SCALE = 0.16666633" / 1ft.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLAN
N AURORA RD & COMMERCIAL ENTRANCE

SCALE: 1"=5'

SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	51
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

N AURORA RD AND E COMMERCIAL ENTRANCE SW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	197+79.03	39.79	(730.12)
B	197+79.04	44.57	(730.16)
C	197+89.03	39.59	729.63
D	197+88.94	44.58	729.72
E	197+91.03	39.59	729.60
F	197+98.88	44.56	729.67
G	197+91.82	38.05	(729.60)
H	198+01.62	44.56	(729.67)
AA	197+88.11	36.31	(729.55)

LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

COMMERCIAL ENTRANCE

EX UTILITY EASEMENT LINE

INDIAN TRAIL AND E COMMERCIAL ENTRANCE SE CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	198+88.88	39.49	(728.96)
B	198+88.89	44.38	(729.09)
C	198+78.88	39.49	728.59
D	198+78.89	44.44	728.89
E	198+76.88	39.50	728.56
F	198+68.84	44.45	728.84
G	198+76.20	38.07	(728.56)
H	198+66.12	44.46	(728.84)
AA	198+79.80	36.50	(728.48)
PM1	198+61.35	39.06	(728.80)
PM2	198+61.38	45.06	(728.95)

N AURORA RD AND E COMMERCIAL ENTRANCE MEDIAN - SIDEWALK RAMP CONTROL POINTS				N AURORA RD AND E COMMERCIAL ENTRANCE MEDIAN - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (RT)	ELEVATION	POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	198+20.41	38.87	(729.35)	K	198+45.66	39.53	729.17
B	198+23.84	45.62	(729.45)	L	198+42.89	44.53	729.30
C	198+21.75	39.55	729.35	M	198+47.22	39.06	(729.16)
D	198+24.98	44.55	729.45	N	198+44.17	44.46	(729.32)
E	198+25.46	39.55	729.38	AA	198+22.49	37.12	(729.29)
F	198+26.98	44.54	729.47	AB	198+44.26	36.70	(729.11)
G	198+33.70	39.54	729.44	PM3	198+11.67	45.06	(729.59)
H	198+33.71	44.54	729.51	PM4	198+11.67	39.06	(729.36)
I	198+40.88	39.53	729.25				
J	198+40.89	44.53	729.32				

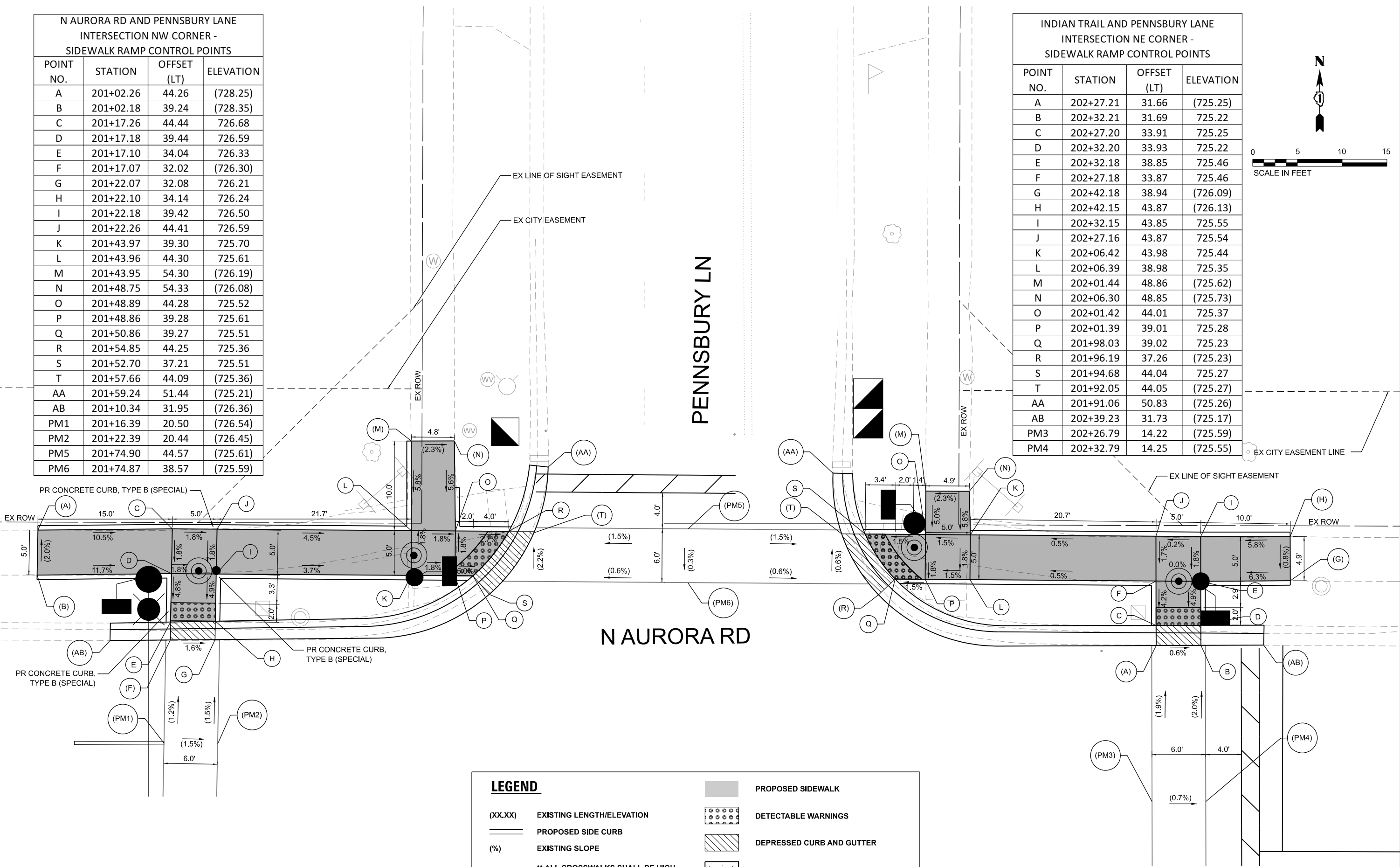
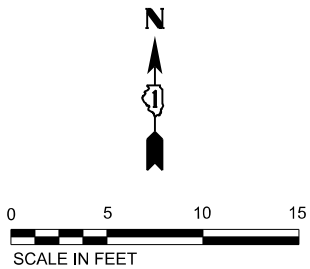
N AURORA RD

0 5 10 15
SCALE IN FEET

N

N AURORA RD AND PENNSBURY LANE INTERSECTION NW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	201+02.26	44.26	(728.25)
B	201+02.18	39.24	(728.35)
C	201+17.26	44.44	726.68
D	201+17.18	39.44	726.59
E	201+17.10	34.04	726.33
F	201+17.07	32.02	(726.30)
G	201+22.07	32.08	726.21
H	201+22.10	34.14	726.24
I	201+22.18	39.42	726.50
J	201+22.26	44.41	726.59
K	201+43.97	39.30	725.70
L	201+43.96	44.30	725.61
M	201+43.95	54.30	(726.19)
N	201+48.75	54.33	(726.08)
O	201+48.89	44.28	725.52
P	201+48.86	39.28	725.61
Q	201+50.86	39.27	725.51
R	201+54.85	44.25	725.36
S	201+52.70	37.21	725.51
T	201+57.66	44.09	(725.36)
AA	201+59.24	51.44	(725.21)
AB	201+10.34	31.95	(726.36)
PM1	201+16.39	20.50	(726.54)
PM2	201+22.39	20.44	(726.45)
PM5	201+74.90	44.57	(725.61)
PM6	201+74.87	38.57	(725.59)

INDIAN TRAIL AND PENNSBURY LANE INTERSECTION NE CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	202+27.21	31.66	(725.25)
B	202+32.21	31.69	725.22
C	202+27.20	33.91	725.25
D	202+32.20	33.93	725.22
E	202+32.18	38.85	725.46
F	202+27.18	33.87	725.46
G	202+42.18	38.94	(726.09)
H	202+42.15	43.87	(726.13)
I	202+32.15	43.85	725.55
J	202+27.16	43.87	725.54
K	202+06.42	43.98	725.44
L	202+06.39	38.98	725.35
M	202+01.44	48.86	(725.62)
N	202+06.30	48.85	(725.73)
O	202+01.42	44.01	725.37
P	202+01.39	39.01	725.28
Q	201+98.03	39.02	725.23
R	201+96.19	37.26	(725.23)
S	201+94.68	44.04	725.27
T	201+92.05	44.05	(725.27)
AA	201+91.06	50.83	(725.26)
AB	202+39.23	31.73	(725.17)
PM3	202+26.79	14.22	(725.59)
PM4	202+32.79	14.25	(725.55)



LEGEND

(XX.XX)

EXISTING LENGTH/ELEVATION

=====

PROPOSED SIDE CURB

(%)

EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

MODEL: ADA_14 (Sheet)
FILE NAME: c:\paw\k11005367\41268378002-SHT-ADA.dgn

KimleyHorn

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401 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
DESIGNED	- JRR
DRAWN	- JRR
PLOT SCALE	= 0.16666633 "/in.
PLOT DATE	= 7/8/2026
CHECKED	- AMK
DATE	-

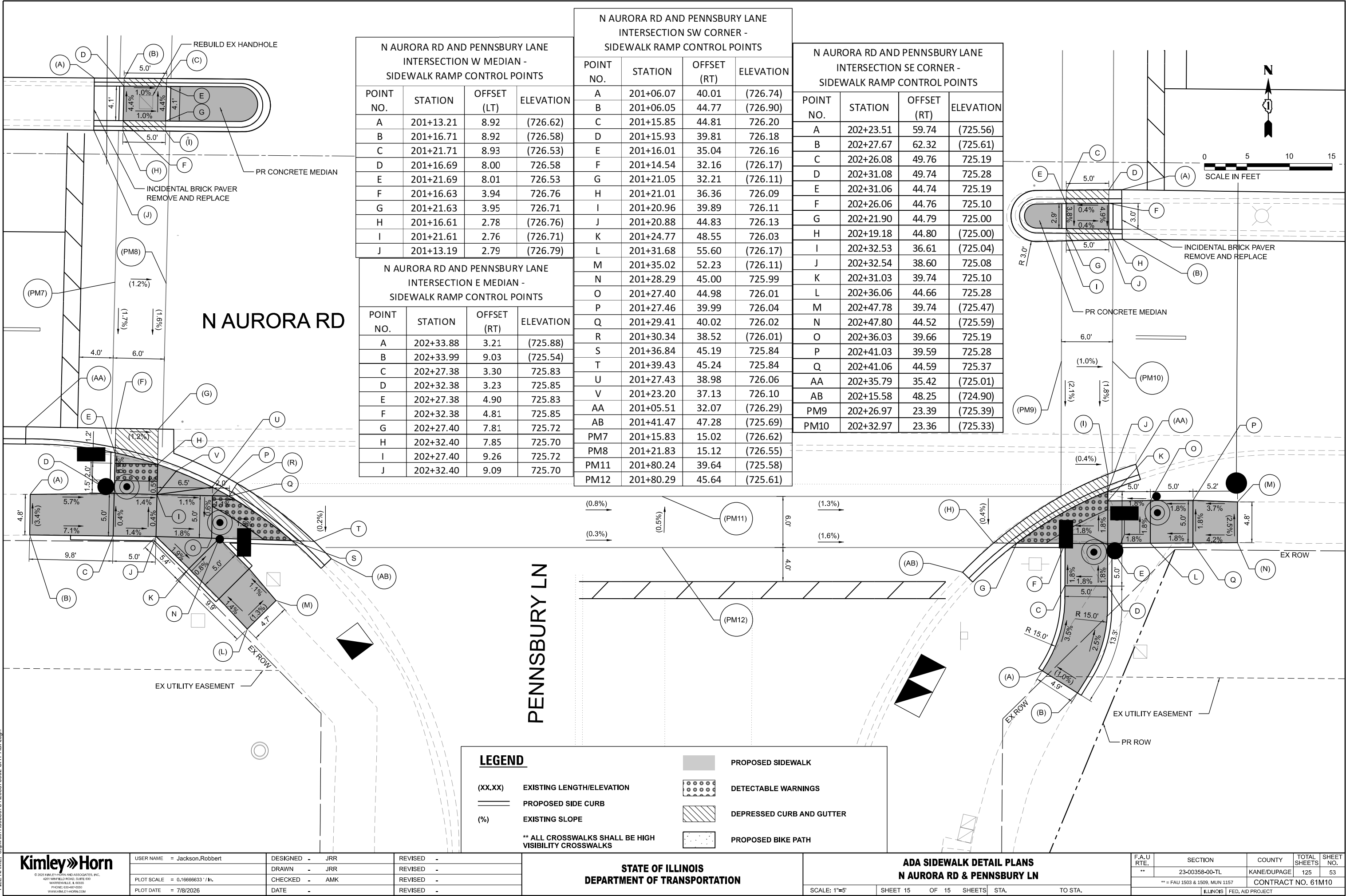
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
N AURORA RD & PENNSBURY LN

SCALE: 1"=5' SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	52
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



N AURORA RD AND PENNSBURY LANE
INTERSECTION W MEDIAN -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	201+13.21	8.92	(726.62)
B	201+16.71	8.92	(726.58)
C	201+21.71	8.93	(726.53)
D	201+16.69	8.00	726.58
E	201+21.69	8.01	726.53
F	201+16.63	3.94	726.76
G	201+21.63	3.95	726.71
H	201+16.61	2.78	(726.76)
I	201+21.61	2.76	(726.71)
J	201+13.19	2.79	(726.79)

N AURORA RD AND PENNSBURY LANE
INTERSECTION E MEDIAN -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	202+33.88	3.21	(725.88)
B	202+33.99	9.03	(725.54)
C	202+27.38	3.30	725.83
D	202+32.38	3.23	725.85
E	202+27.38	4.90	725.83
F	202+32.38	4.81	725.85
G	202+27.40	7.81	725.72
H	202+32.40	7.85	725.70
I	202+27.40	9.26	725.72
J	202+32.40	9.09	725.70

N AURORA RD AND PENNSBURY LANE
INTERSECTION SW CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	201+06.07	40.01	(726.74)
B	201+06.05	44.77	(726.90)
C	201+15.85	44.81	726.20
D	201+15.93	39.81	726.18
E	201+16.01	35.04	726.16
F	201+14.54	32.16	(726.17)
G	201+21.05	32.21	(726.11)
H	201+21.01	36.36	726.09
I	201+20.96	39.89	726.11
J	201+20.88	44.83	726.13
K	201+24.77	48.55	726.03
L	201+31.68	55.60	(726.17)
M	201+35.02	52.23	(726.11)
N	201+28.29	45.00	725.99
O	201+27.40	44.98	726.01
P	201+27.46	39.99	726.04
Q	201+29.41	40.02	726.02
R	201+30.34	38.52	(726.01)
S	201+36.84	45.19	725.84
T	201+39.43	45.24	725.84
U	201+27.43	38.98	726.06
V	201+23.20	37.13	726.10
AA	201+05.51	32.07	(726.29)
AB	201+41.47	47.28	(725.69)
PM7	201+15.83	15.02	(726.62)
PM8	201+21.83	15.12	(726.55)
PM11	201+80.24	39.64	(725.58)
PM12	201+80.29	45.64	(725.61)

N AURORA RD AND PENNSBURY LANE
INTERSECTION SE CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	202+23.51	59.74	(725.56)
B	202+27.67	62.32	(725.61)
C	202+26.08	49.76	725.19
D	202+31.08	49.74	725.28
E	202+31.06	44.74	725.19
F	202+26.06	44.76	725.10
G	202+21.90	44.79	725.00
H	202+19.18	44.80	(725.00)
I	202+32.53	36.61	(725.04)
J	202+32.54	38.60	725.08
K	202+31.03	39.74	725.10
L	202+36.06	44.66	725.28
M	202+47.78	39.74	(725.47)
N	202+47.80	44.52	(725.59)
O	202+36.03	39.66	725.19
P	202+41.03	39.59	725.28
Q	202+41.06	44.59	725.37
AA	202+35.79	35.42	(725.01)
AB	202+15.58	48.25	(724.90)
PM9	202+26.97	23.39	(725.39)
PM10	202+32.97	23.36	(725.33)

LEGEND

(XX.XX) EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

** ALL CROSSWALKS SHALL BE HIGH
VISIBILITY CROSSWALKS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

DEPRESSED CURB AND GUTTER

PROPOSED BIKE PATH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA SIDEWALK DETAIL PLANS
N AURORA RD & PENNSBURY LN

SCALE: 1"=5'

SHEET 15 OF 15 SHEETS STA.

TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	53
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS FED. AID PROJECT				

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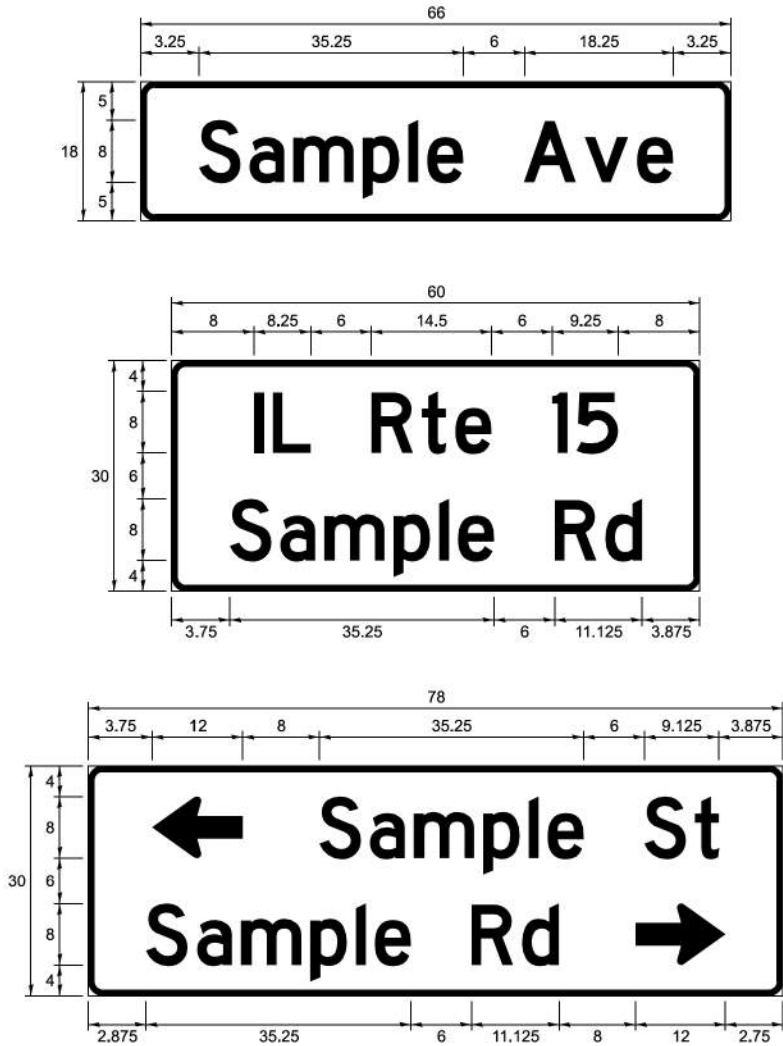
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WARRENVILLE, IL 60055
PHONE: 630-467-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
DESIGNED - JRR
DRAWN - JRR
PLOT SCALE = 0.16666633" / 1 in.
CHECKED - AMK
PLOT DATE = 7/8/2026
DATE -

REVISD -
REVISD -
REVISD -
REVISD -

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
C OR D	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15	18.25
BOULEVARD	Blvd	17.125	20
CIRCLE	Cir	11.125	13
COURT	Ct	8.25	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22
ILLINOIS	IL	7	8.25
LANE	Ln	9.125	10.75
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.75
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.5
STREET	St	8	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.75	9.125
UNITED STATES	US	10.375	12.25

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 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 SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. THE SPACING BETWEEN THE LEFT OR RIGHT ARROW AND THE ADJACENT WORD SHOULD BE 8", BUT MAY BE REDUCED TO 6" 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.
- THE PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE THE SERIES "D" ALPHABET ON A ONE-LINE SIGN THAT IS 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 ONE-LINE 8'-0" SIGN, A 30" HEIGHT TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION (I.E. STREET, AVENUE, ETC.) SHALL 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 REQUIREMENTS 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

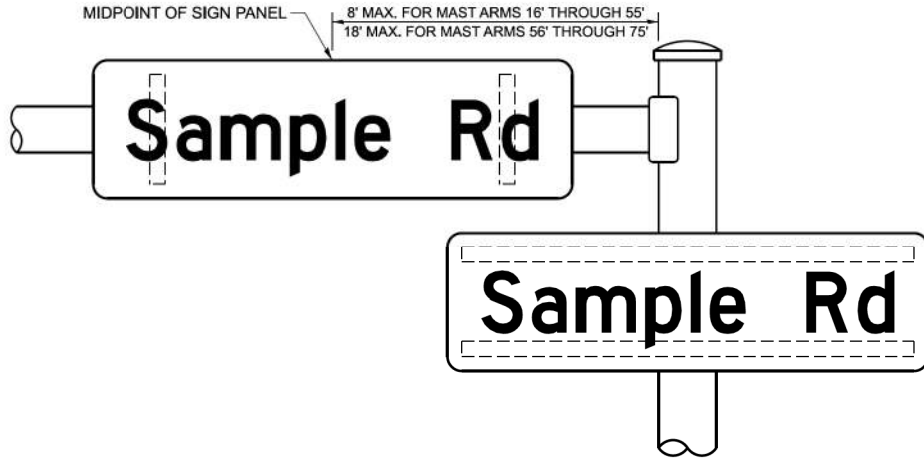
PARTS LISTING:

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

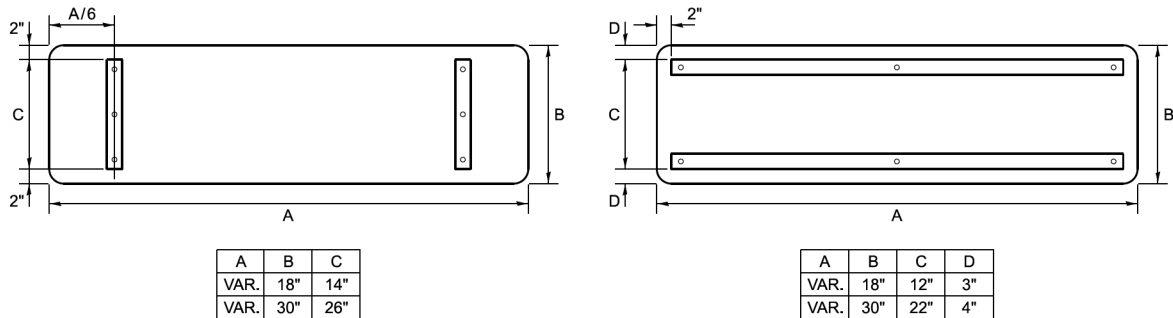
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATIONS

ARM OR POLE MOUNTED



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

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

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PHONE: (630) 487-4555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633' / In.
PLOT DATE = 7/8/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-02)

SCALE: NTS SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
** 23-00358-00-TL KANE/DUPAGE 125 54
** = FAU 1503 & 1509, MUN 1157 CONTRACT NO. 61M10
ILLINOIS FED. AID PROJECT

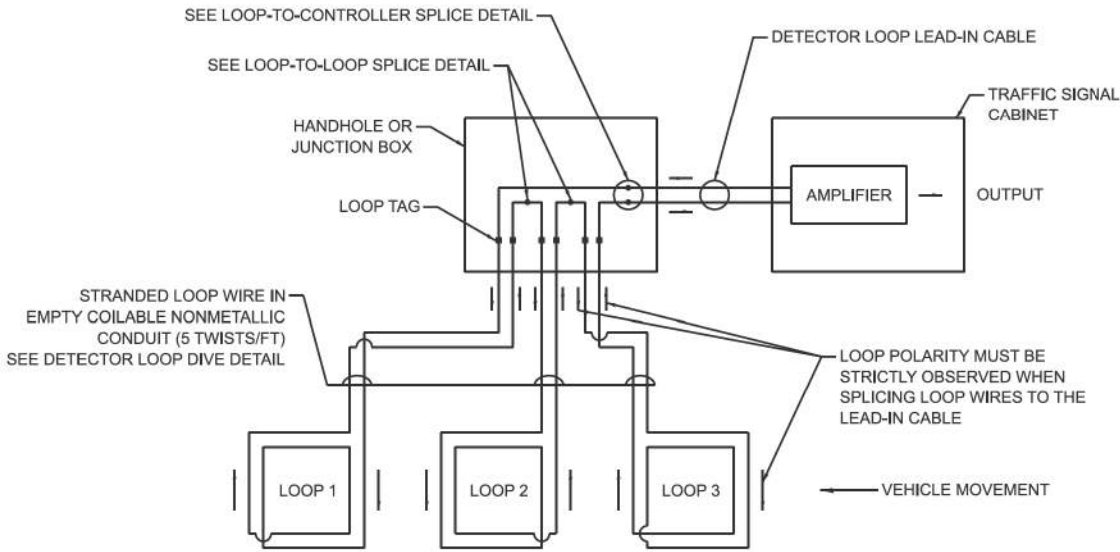
TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 	
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 	
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	
MASTER MASTER CONTROLLER			RAILROAD CROSSING GATE			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD CROSSBUCK			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CONTROLLER BUNGALOW			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	 	
CELLULAR MODEM			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			SYSTEM ITEM			ELECTRIC CABLE, RAILROAD, NO. 14, 3/C		
ALUMINUM MAST ARM ASSEMBLY AND POLE			INTERSECTION ITEM			ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			REMOVAL ITEM			VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			RELOCATE ITEM			EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			ABANDON ITEM			OUTDOOR RATED NETWORK CABLE		
GUY WIRE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE	 	
SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	 	
SIGNAL HEAD WITH BACKPLATE			SIGNAL POST AND FOUNDATION TO BE REMOVED					
SIGNAL HEAD - PROGRAMMABLE			DETECTOR LOOP, TYPE I					
FLASHER INSTALLATION -(FS) SOLAR POWERED			PREFORMED DETECTOR LOOP					
PEDESTRIAN SIGNAL HEAD			WIRELESS DETECTOR SENSOR					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON								
RADAR DETECTION SENSOR								
VIDEO DETECTION CAMERA								
RADAR/VIDEO DETECTION ZONE								
PAN, TILT, ZOOM (PTZ) CAMERA								
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								
WIRELESS ACCESS POINT								

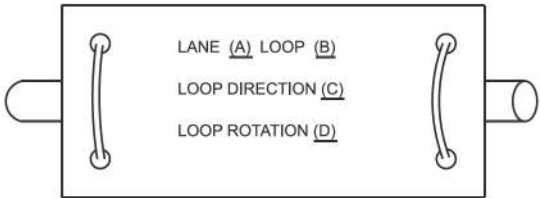
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DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.

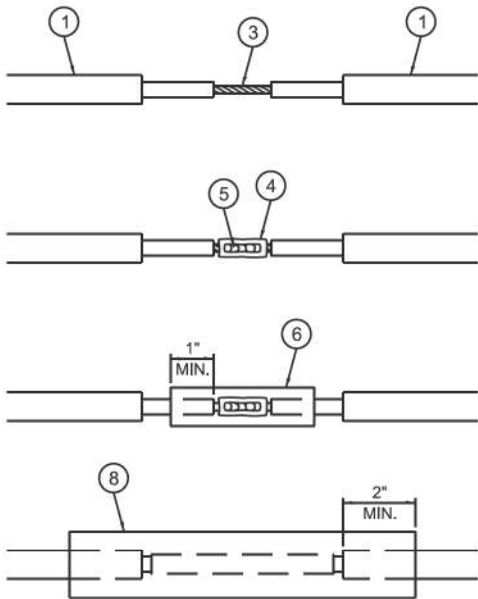


DETECTOR LOOP WIRING SCHEMATIC



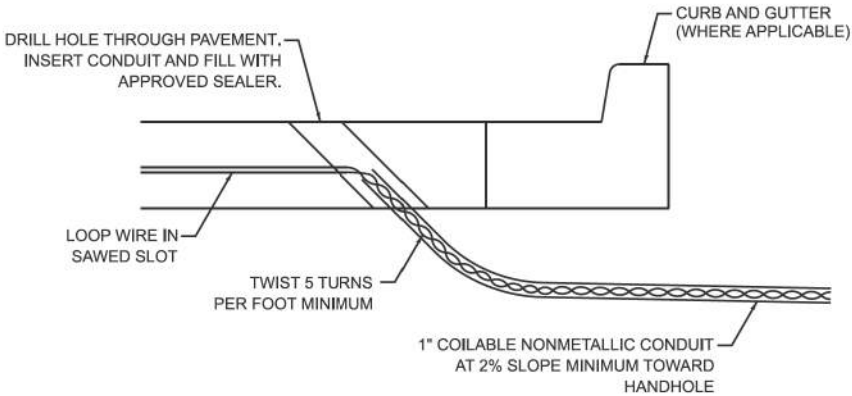
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

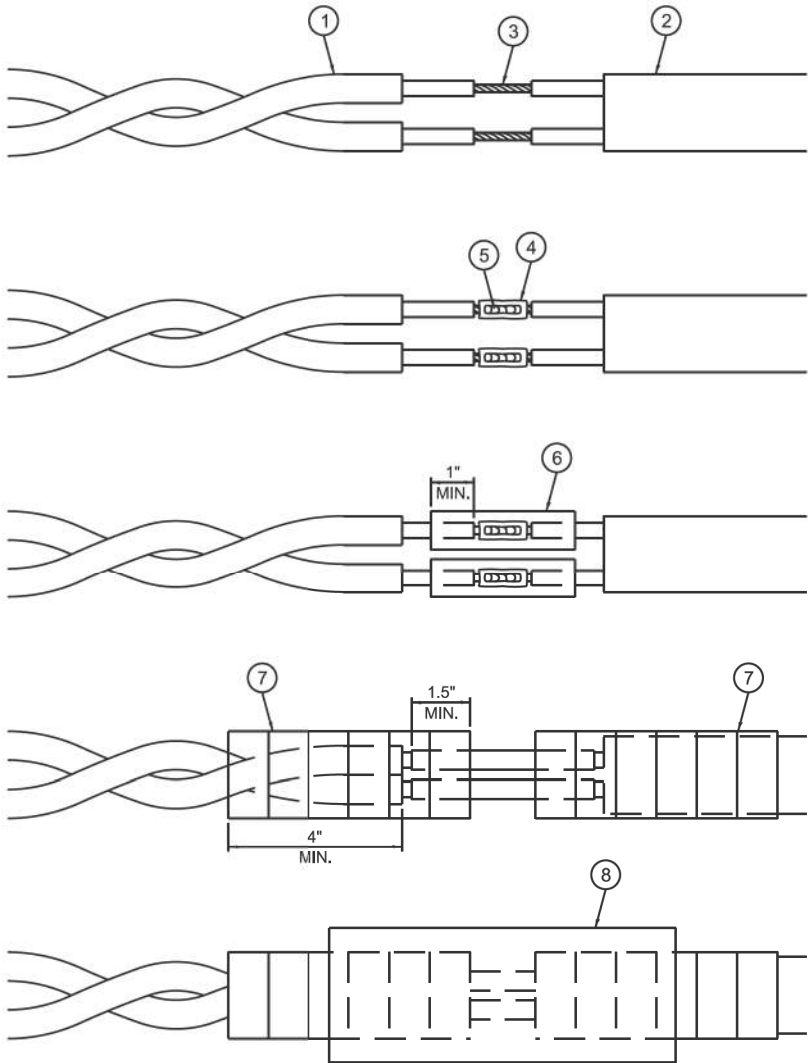


LOOP-TO-LOOP SPLICE DETAIL

- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- 7 SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- 8 WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL

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USER NAME = Jackson.Robbert
DESIGNED -
DRAWN -
PLOT SCALE = 0.16666633 1/In.
CHECKED -
PLOT DATE = 7/8/2026
DATE -

DESIGNED -
DRAWN -
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DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-05b)

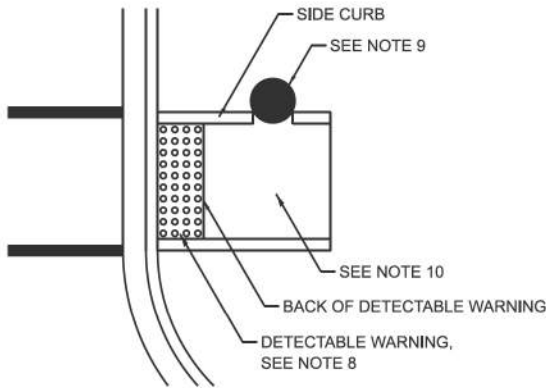
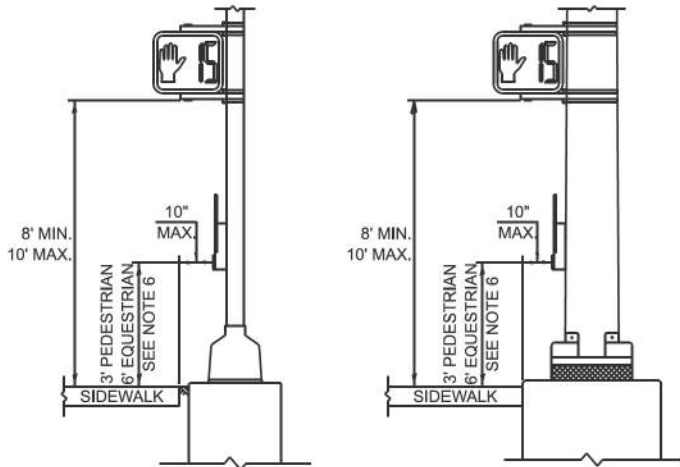
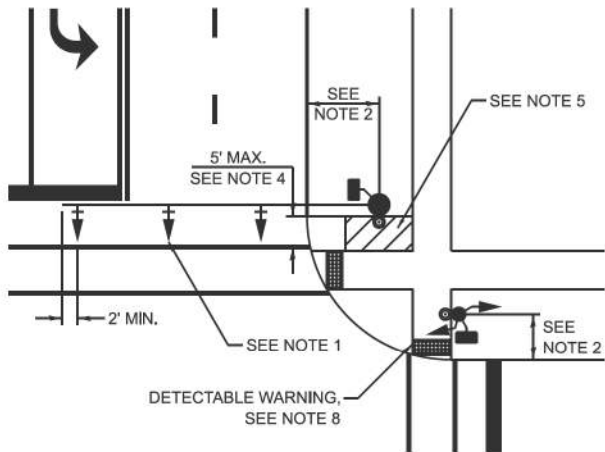
SCALE: NTS SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	56
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS FED. AID PROJECT				

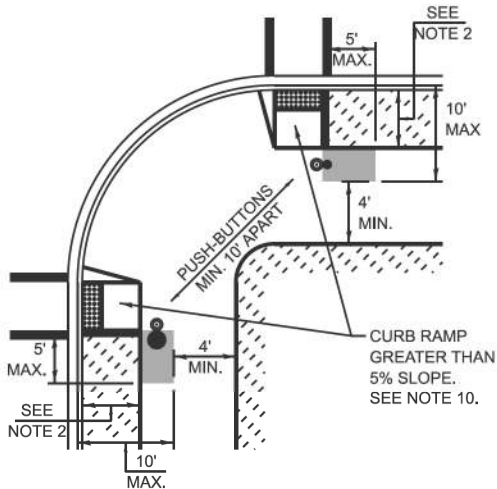
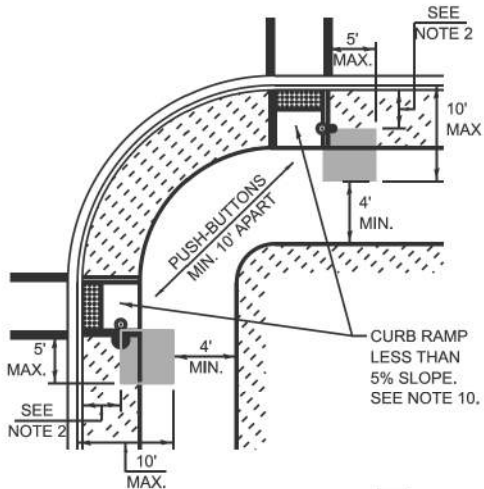
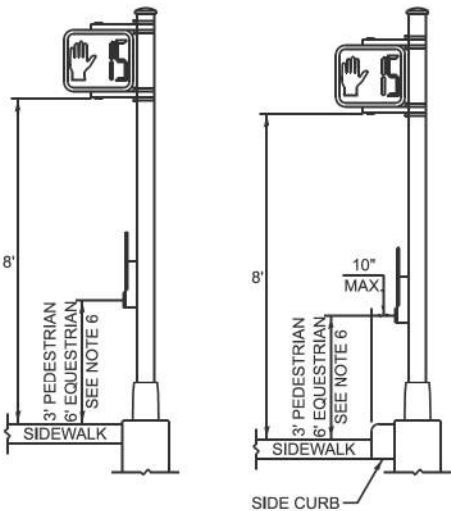
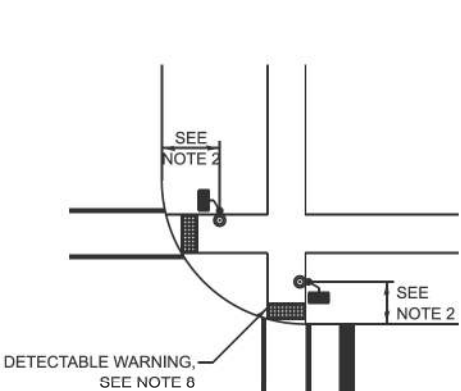
NOTES:

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



PREFERRED PUSH-BUTTON LOCATION

TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
MAST ARM ASSEMBLY AND POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
SIGNAL POST	4'	SHOULDER WIDTH + 2', MINIMUM 10'
PEDESTRIAN SIGNAL POST	4'	4' - SEE NOTE 2
TEMPORARY WOOD POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
TRAFFIC SIGNAL CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3
SERVICE CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3

TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

MODEL: TS-05c
FILE NAME: c:\paw\kh1\056724\268378002-SHT-Details.dgn

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USER NAME = Jackson,Robbert
PLOT SCALE = 0.16666633' / In.
PLOT DATE = 7/8/2026

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DATE -

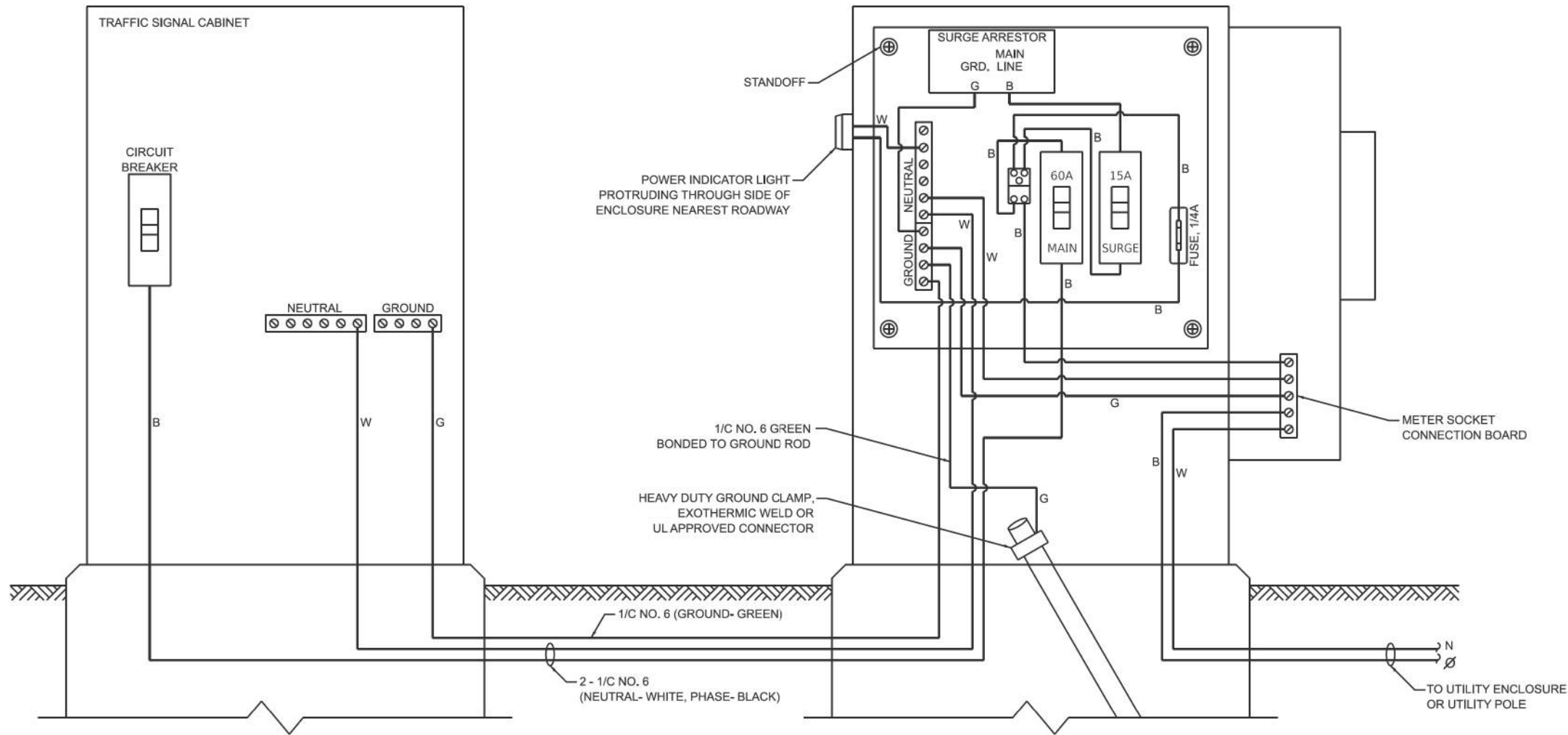
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-05c)

SCALE: NTS SHEET 4 OF 8 SHEETS STA. TO STA.

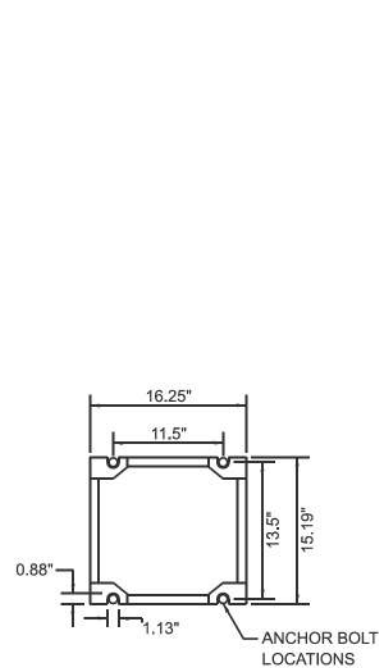
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	57
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



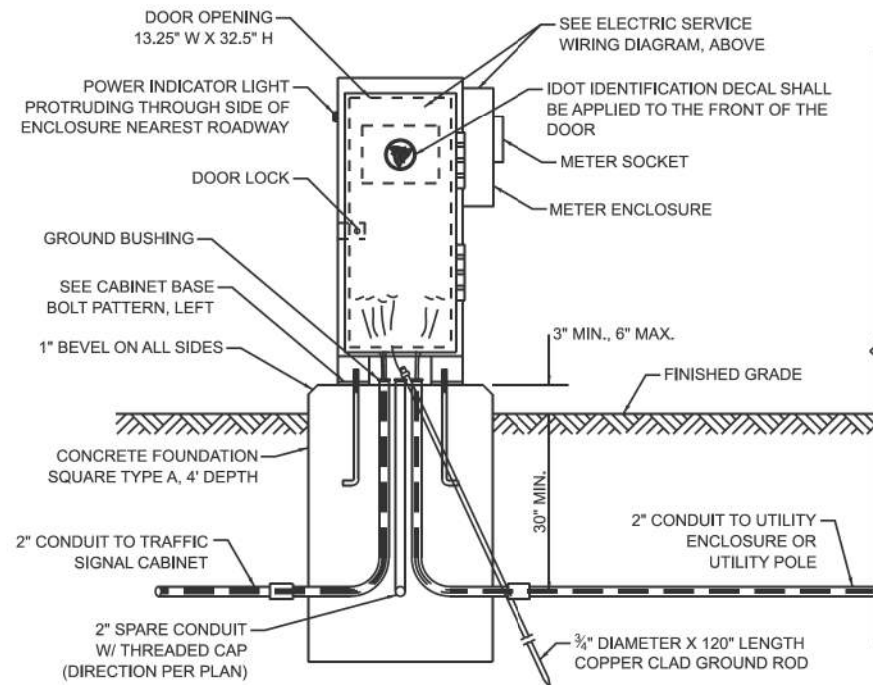
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

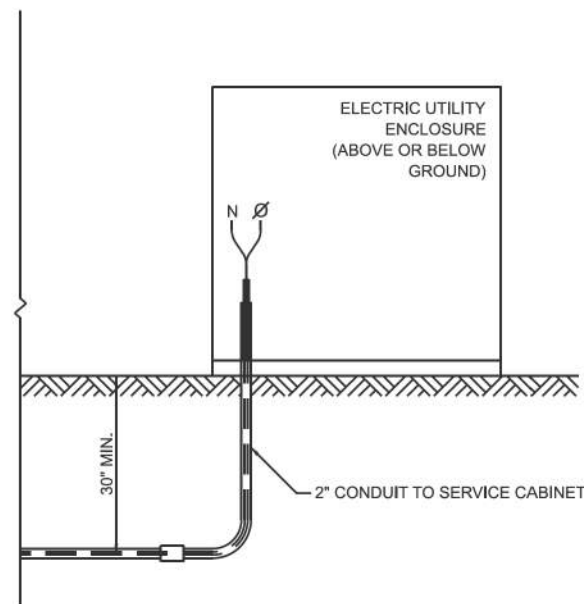
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR, THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



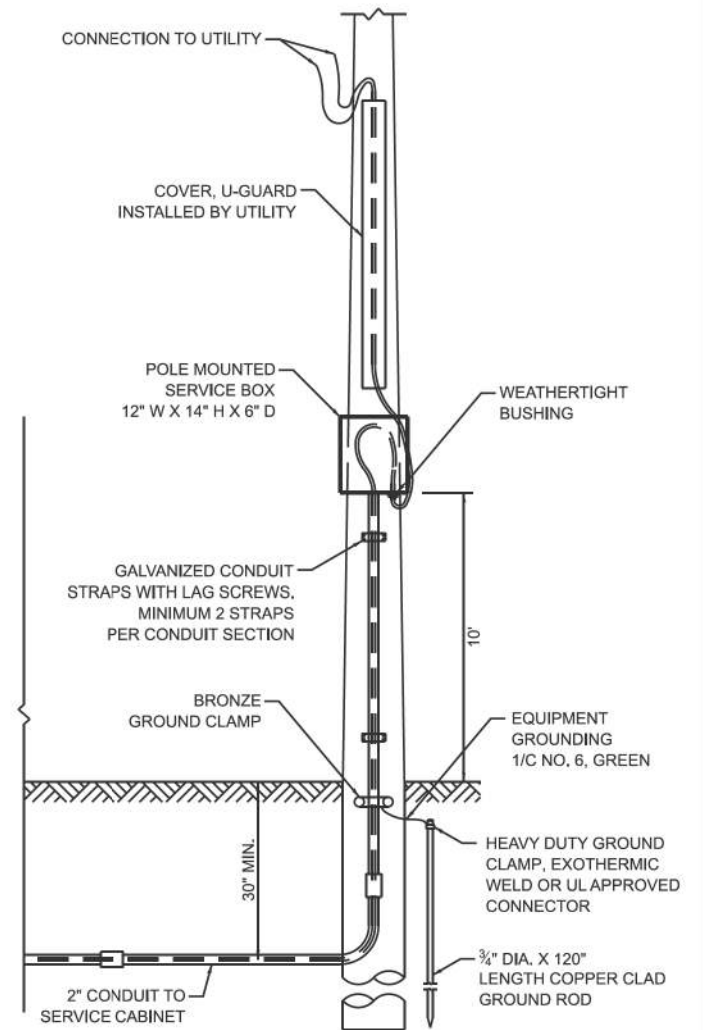
CABINET BASE BOLT PATTERN



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CONNECTION TO UTILITY ENCLOSURE



CONNECTION TO UTILITY POLE

MODEL: TS-05d
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PLOT DATE = 7/8/2026

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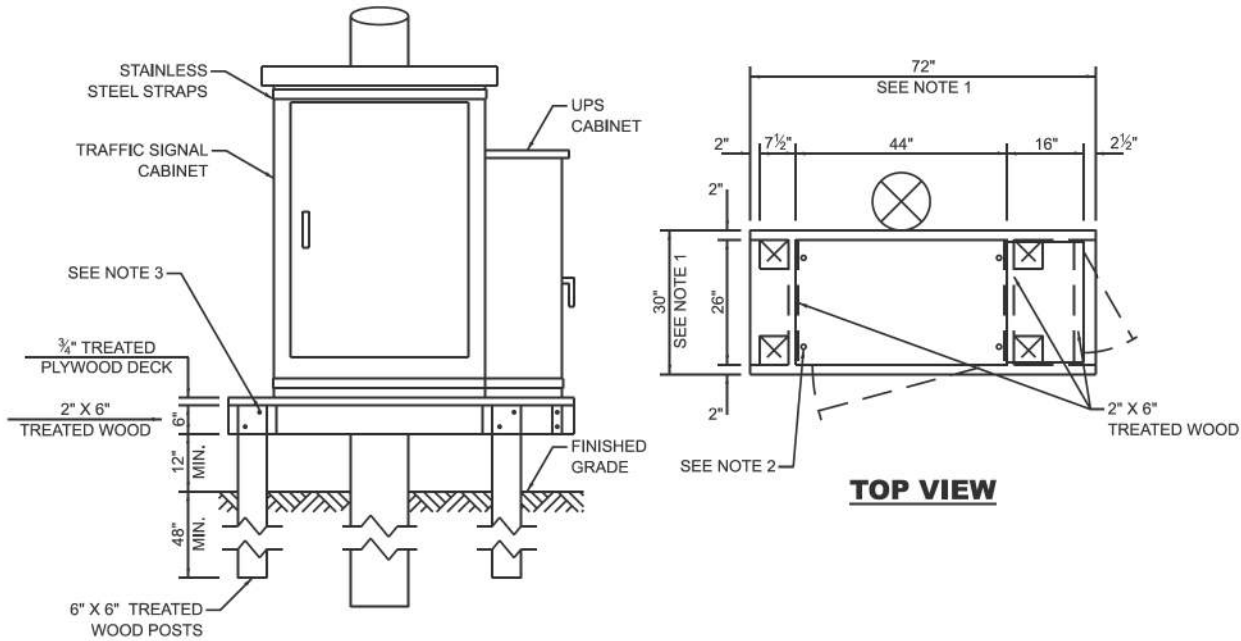
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REVISED -

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DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-05d)**

SCALE: NTS SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	58
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
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NOTES:

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" X 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" X 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

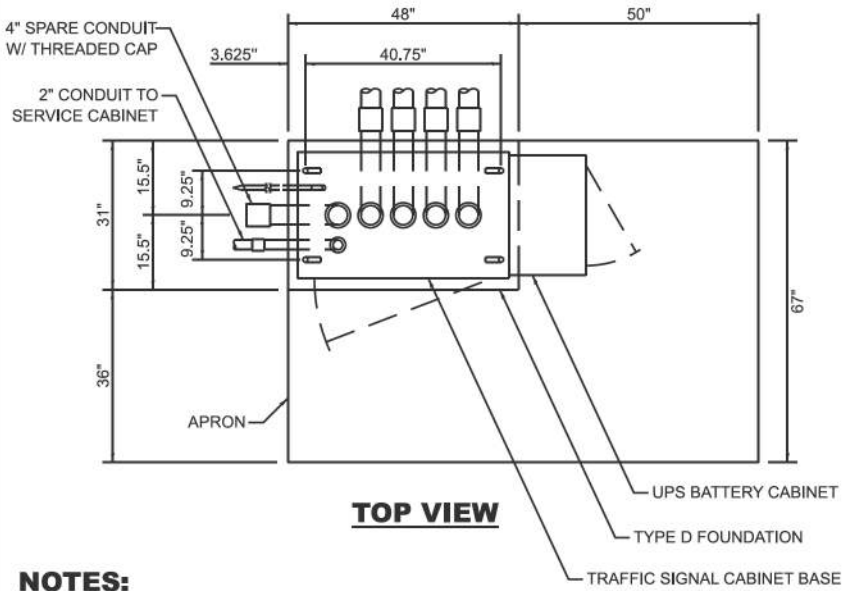
TEMPORARY TRAFFIC SIGNAL
CABINET WOOD SUPPORT PLATFORM

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
LESS THAN 30'	10'	30"	24"	8	#6
GREATER THAN OR EQUAL TO 30' AND LESS THAN 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 40' AND LESS THAN 50'	13'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 50' AND UP TO 55'	15'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 56' AND LESS THAN 65'	21'	42"	36"	16	#8
GREATER THAN OR EQUAL TO 65' AND UP TO 75'	25'	42"	36"	16	#8

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

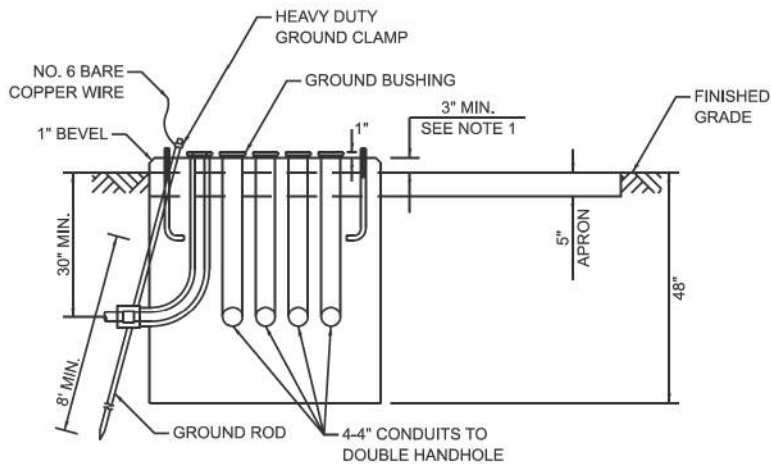
TYPE E FOUNDATION NOTES:

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

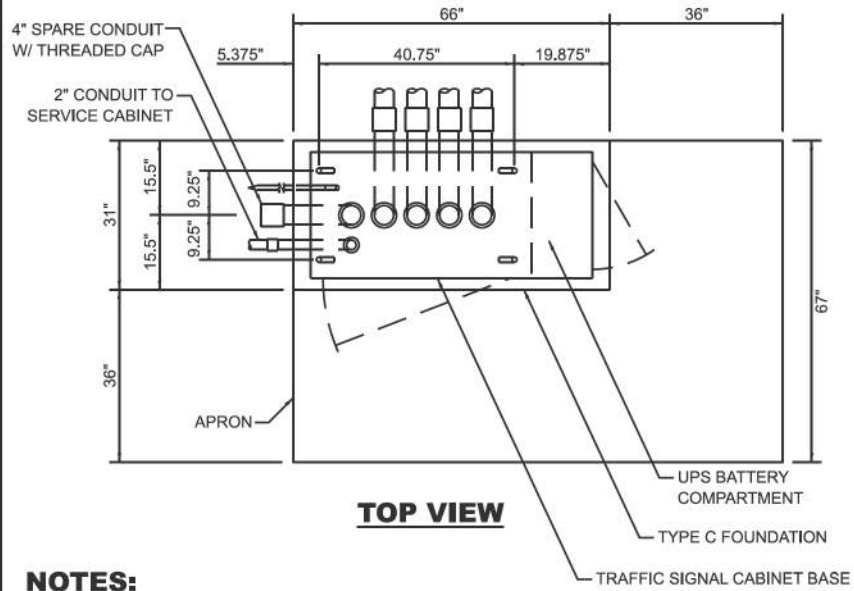


NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.

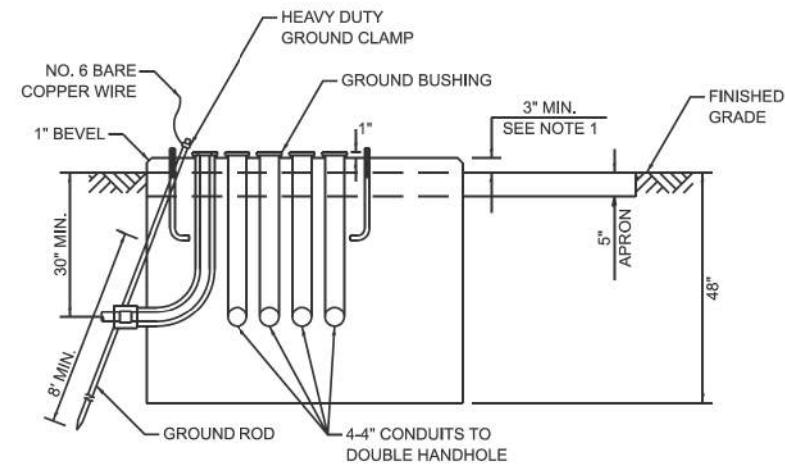


TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET
AND UPS BATTERY CABINET



NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION
SUPER P AND SUPER R
TRAFFIC SIGNAL CABINETS

FOUNDATION	DEPTH
TYPE A - SIGNAL POST, SERVICE CABINET	4'
TYPE C - TRAFFIC SIGNAL CABINET WITH UPS	4'
TYPE D - TRAFFIC SIGNAL CABINET	4'

DEPTH OF FOUNDATIONS
TYPES A, C & D

VERTICAL CABLE	LENGTH
MAST ARM MOUNTED SIGNAL HEAD (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20'+L
BRACKET MOUNTED SIGNAL HEAD (MAST ARM POLE OR SIGNAL POLE)	13'
PEDESTRIAN SIGNAL HEAD	10'
PEDESTRIAN PUSH BUTTON	6'
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5'
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5'
SERVICE INSTALLATION GROUND MOUNT	6'
FOUNDATION (SIGNAL POST, MAST ARM, TRAFFIC SIGNAL CABINET, SERVICE CABINET)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
HANDHOLE	6.5'
DOUBLE HANDHOLE	13'
SIGNAL POST	2'
MAST ARM	2'
TRAFFIC SIGNAL CABINET OR SERVICE CABINET	1.5'
FIBER OPTIC CABLE AT TRAFFIC SIGNAL CABINET	13'
GROUND CABLE AT SIGNAL POST, MAST ARM, OR CABINET	1.5'
GROUND CABLE AT HANDHOLE OR DOUBLE HANDHOLE	6.5'
GROUND CABLE BETWEEN HANDHOLE FRAME AND COVER	5'

CABLE SLACK LENGTH

MODEL: TS-05e
FILE NAME: c:\pwwork1\05367341268378002-SHT-Details.dgn

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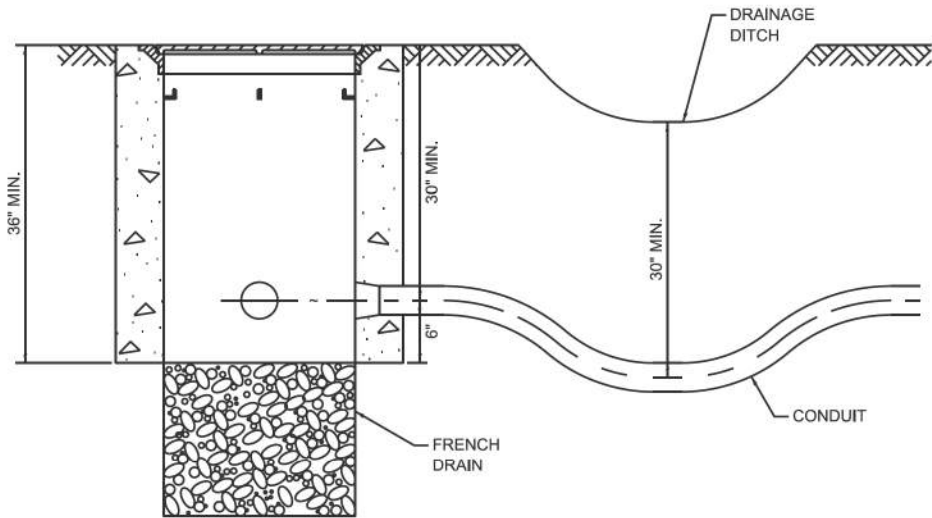
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DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-05e)

SCALE: NTS SHEET 6 OF 8 SHEETS STA. TO STA.

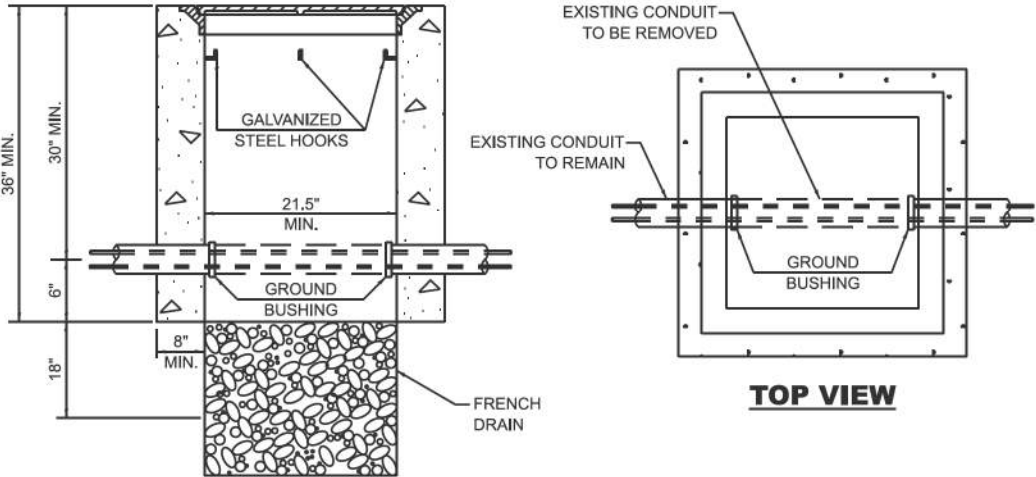
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	59
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



NOTES:

- 1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" 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.

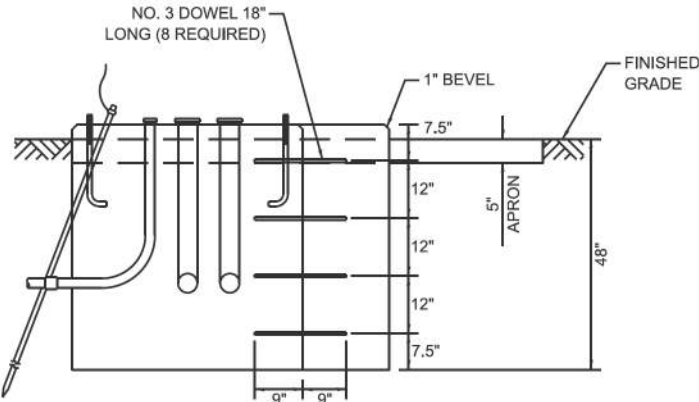
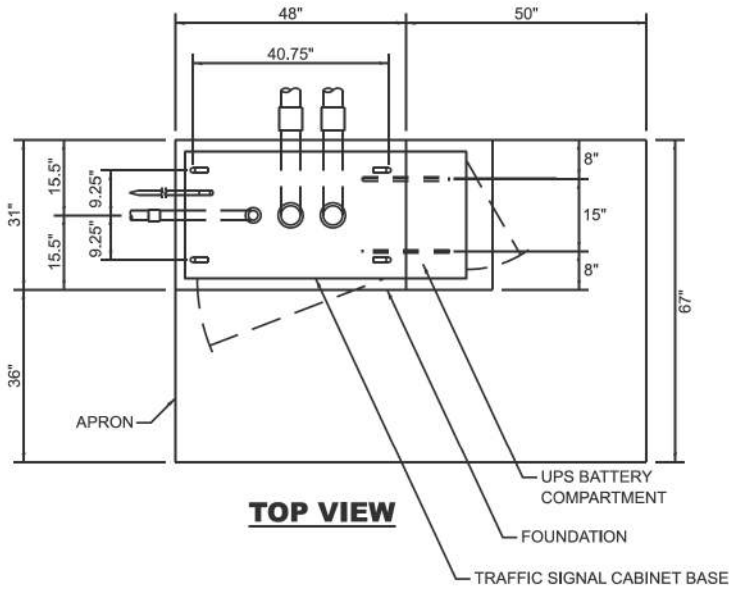
HANDHOLE WITH MINIMUM CONDUIT DEPTH



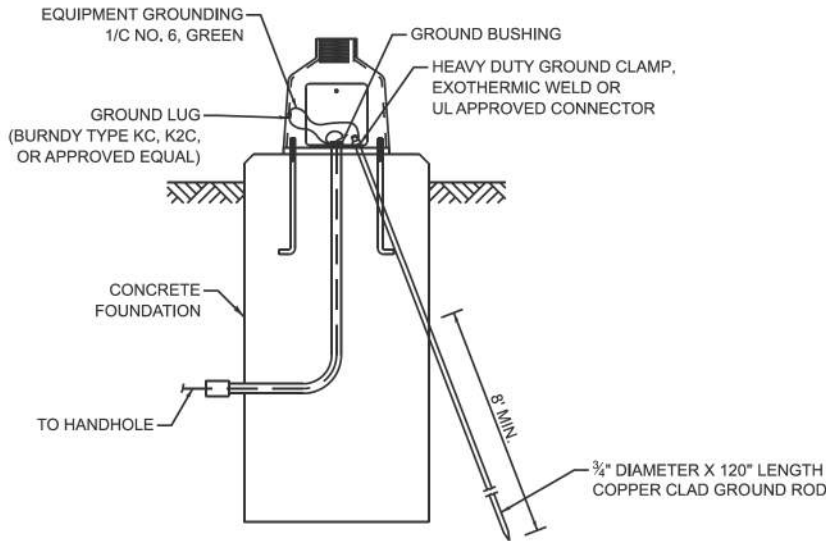
NOTES:

- 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.

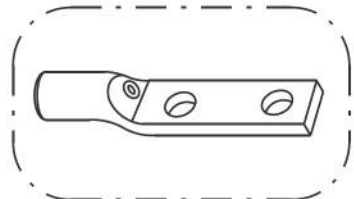
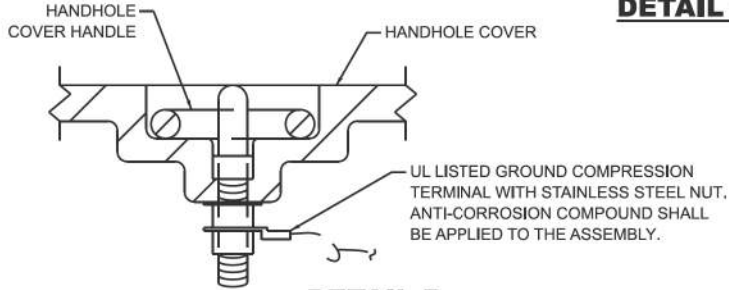
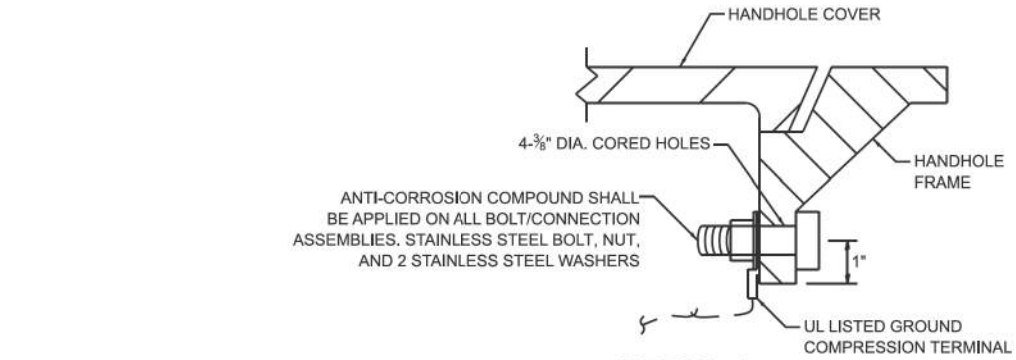
HANDHOLE TO INTERCEPT EXISTING CONDUIT



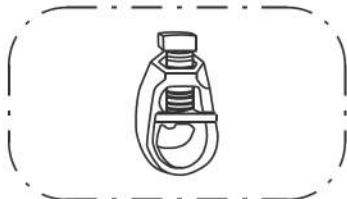
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



MAST ARM / POST GROUNDING DETAIL



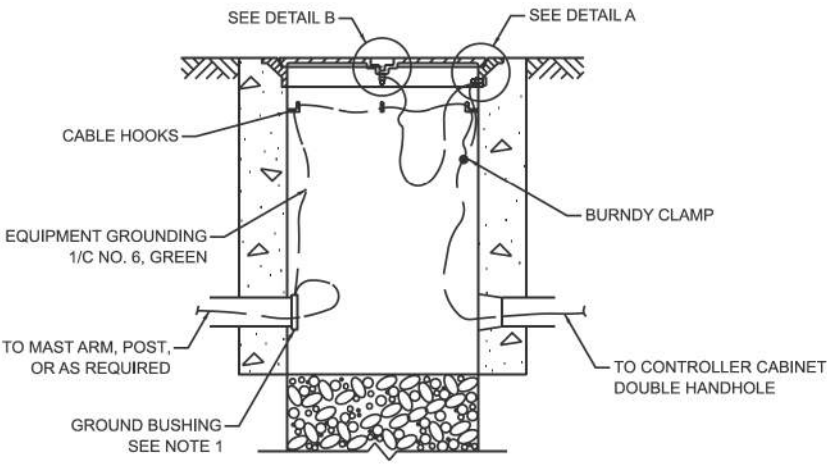
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" HEAVY-DUTY GROUND ROD CLAMP BRONZE OR COPPER, UL APPROVED (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

- 1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDING.
- 2. GROUND CABLE SHALL BE LOOPE OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

MODEL: TS-05f
FILE NAME: c:\pwworkh1\05367341268378002-SHT-Details.dgn

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USER NAME = Jackson.Robbert
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PLOT SCALE = 0.16666633 1/In.
CHECKED -
DATE = 7/8/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

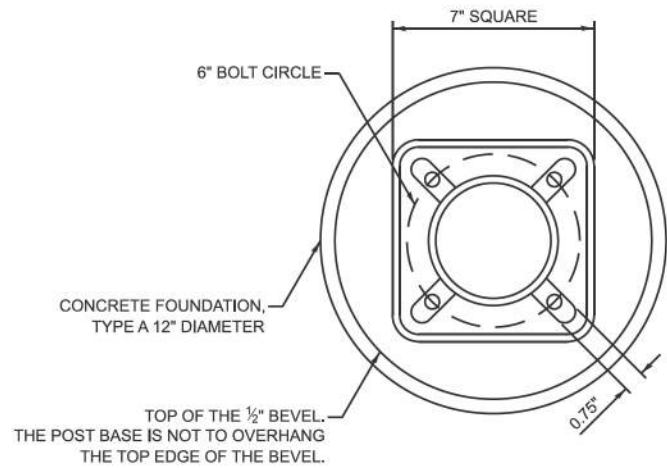
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DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-05f)

SCALE: NTS SHEET 7 OF 8 SHEETS STA. TO STA.

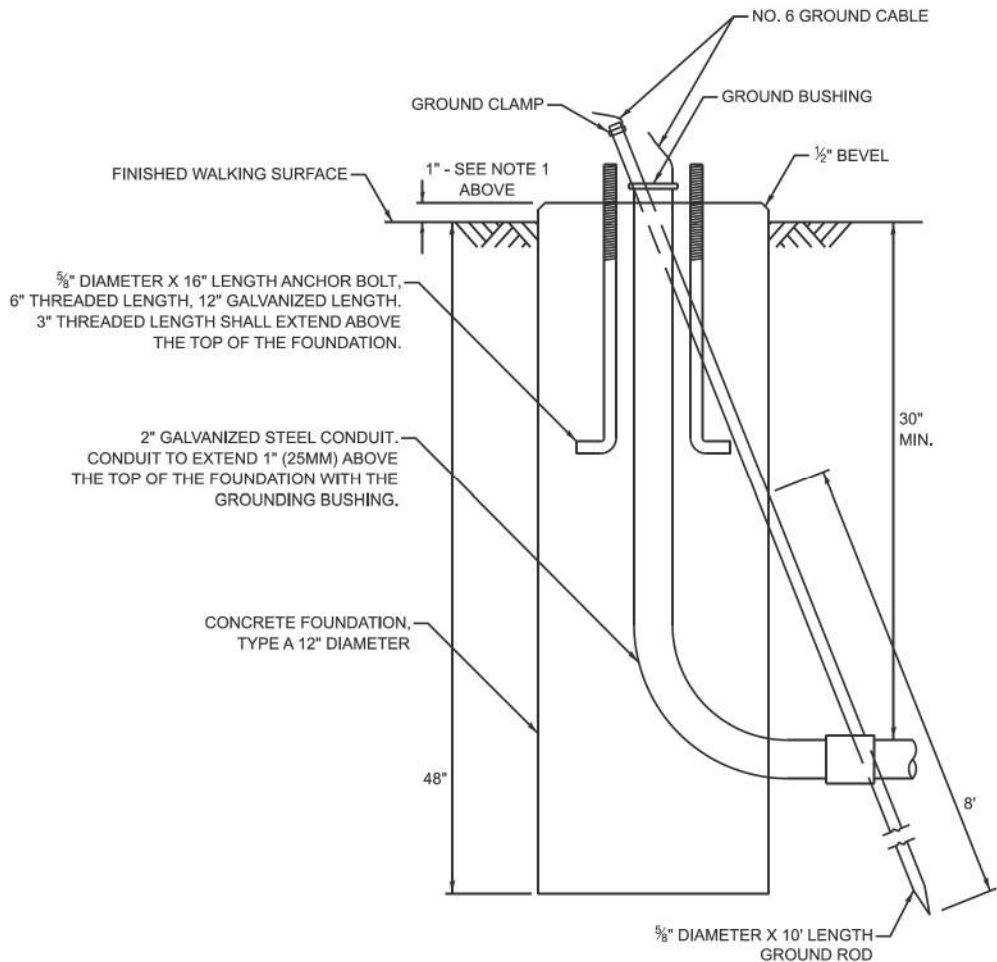
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	60
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
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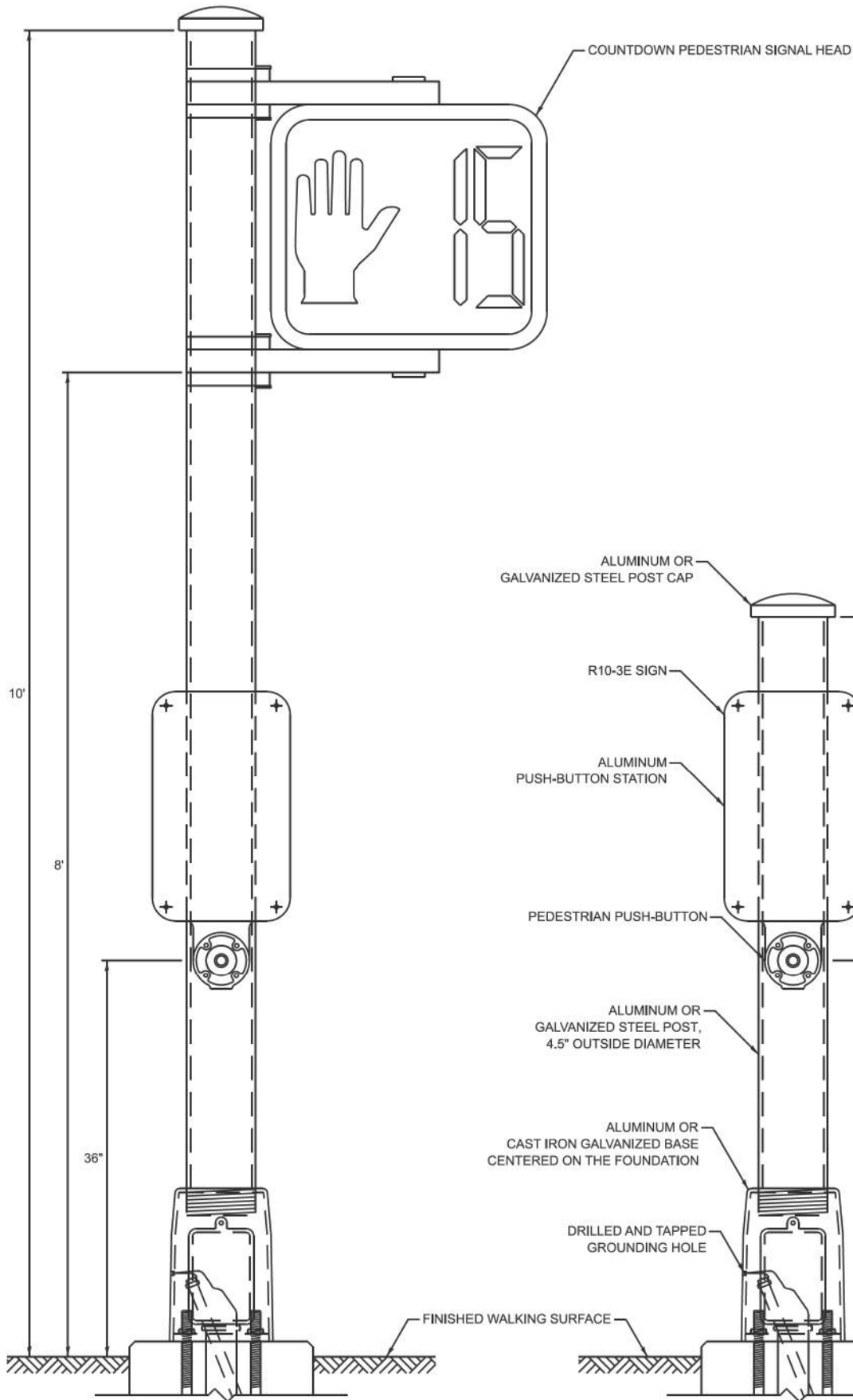
BOLT PATTERN

NOTES:

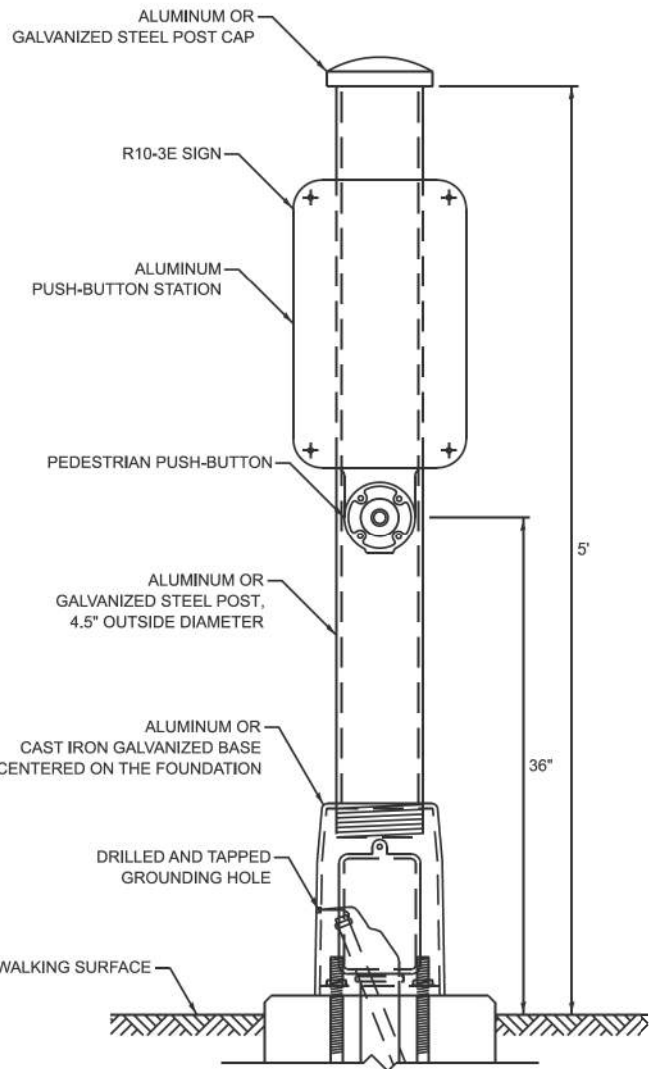
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.



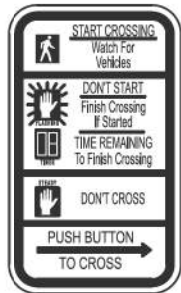
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10-3E
9" X 15"



W10-1101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-1101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

MODEL: TS-05g (Sheet)
FILE NAME: c:\pwwork1\00536734\268378002-SHT-Details.dgn

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**DISTRICT ONE DETAILS
STANDARD TRAFFIC SIGNAL DESIGN DETAIL (TS-05g)**

SCALE: NTS SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	61
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
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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.

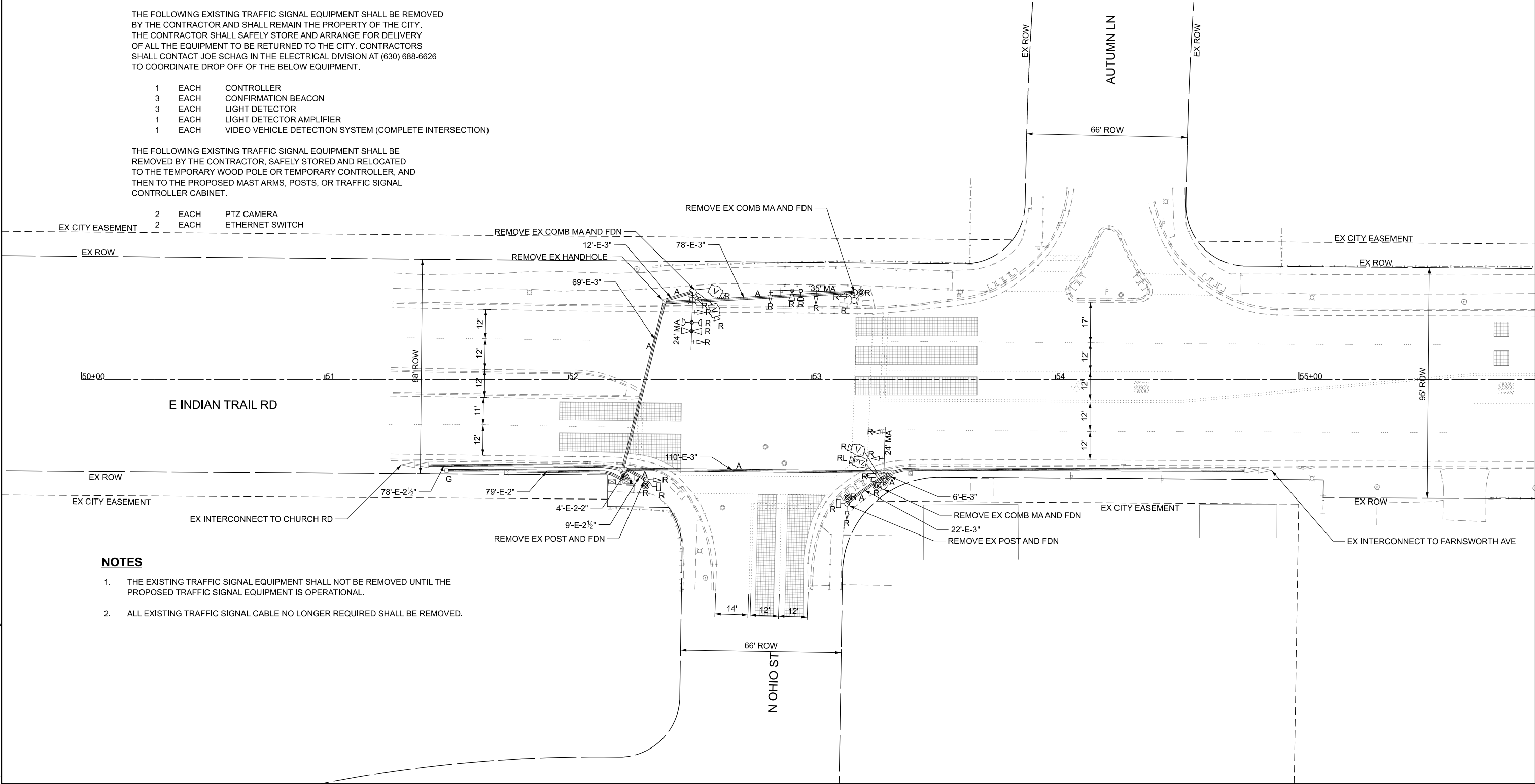
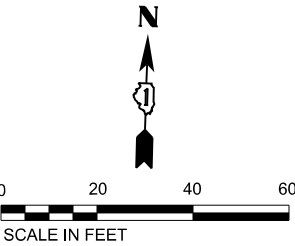
- 6 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 3 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH BUTTON
- 2 EACH TRAFFIC SIGNAL POST
- 3 EACH STREET NAME SIGN PANEL
- 1 EACH HANDHOLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL THE EQUIPMENT TO BE RETURNED TO THE CITY. CONTRACTORS SHALL CONTACT JOE SCHAG IN THE ELECTRICAL DIVISION AT (630) 688-6626 TO COORDINATE DROP OFF OF THE BELOW EQUIPMENT.

- 1 EACH CONTROLLER
- 3 EACH CONFIRMATION BEACON
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 1 EACH VIDEO VEHICLE DETECTION SYSTEM (COMPLETE INTERSECTION)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY WOOD POLE OR TEMPORARY CONTROLLER, AND THEN TO THE PROPOSED MAST ARMS, POSTS, OR TRAFFIC SIGNAL CONTROLLER CABINET.

- 2 EACH PTZ CAMERA
- 2 EACH ETHERNET SWITCH



NOTES

- 1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL.
- 2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

MODEL: TS_01_REMOVAL [Sheet]
FILE NAME: c:\pwwork1\60536724\268378002-SHT-TS-Removal.dgn

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PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

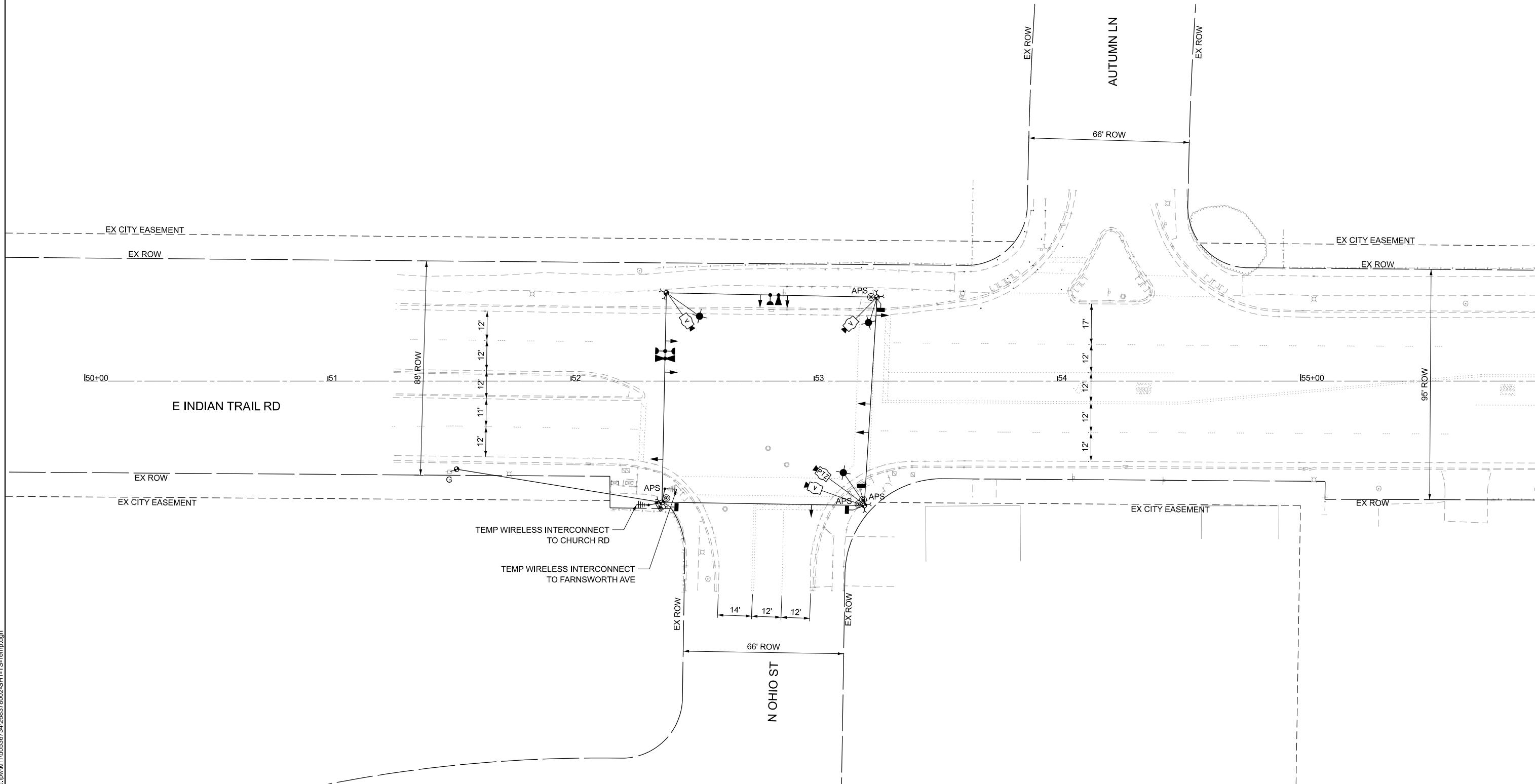
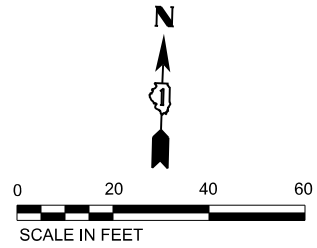
TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
INDIAN TRAIL RD & OHIO ST

SCALE: 1"=20' SHEET 1 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	62
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

NOTES

1. A WOOD POLE MOUNTED TEMPORARY SIGNAL CONTROLLER AND CABINET SHALL BE PROVIDED TO OPERATE TEMPORARY SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.



MODEL: TS_01_TEMP [Sheet]
FILE NAME: C:\pwwork1\60536734\268378002-SHT-TS-Temp.dgn

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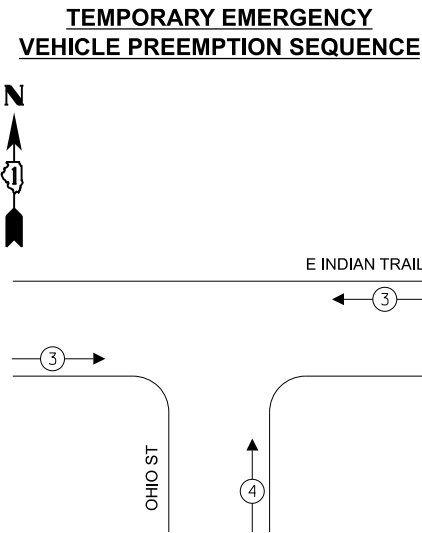
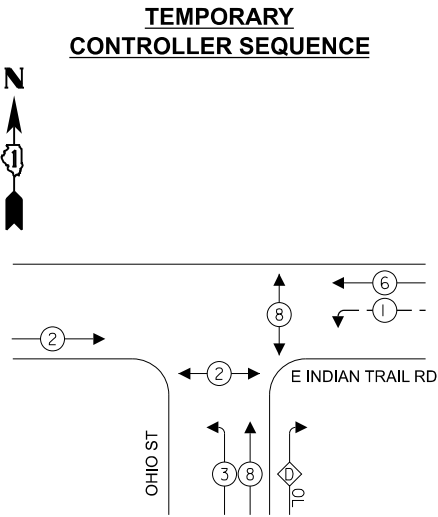
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

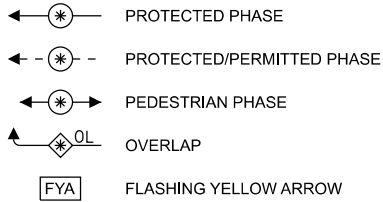
TRAFFIC SIGNAL TEMPORARY PLAN
INDIAN TRAIL RD & OHIO ST

SCALE: 1"=20' SHEET 2 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	63
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



LEGEND



OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

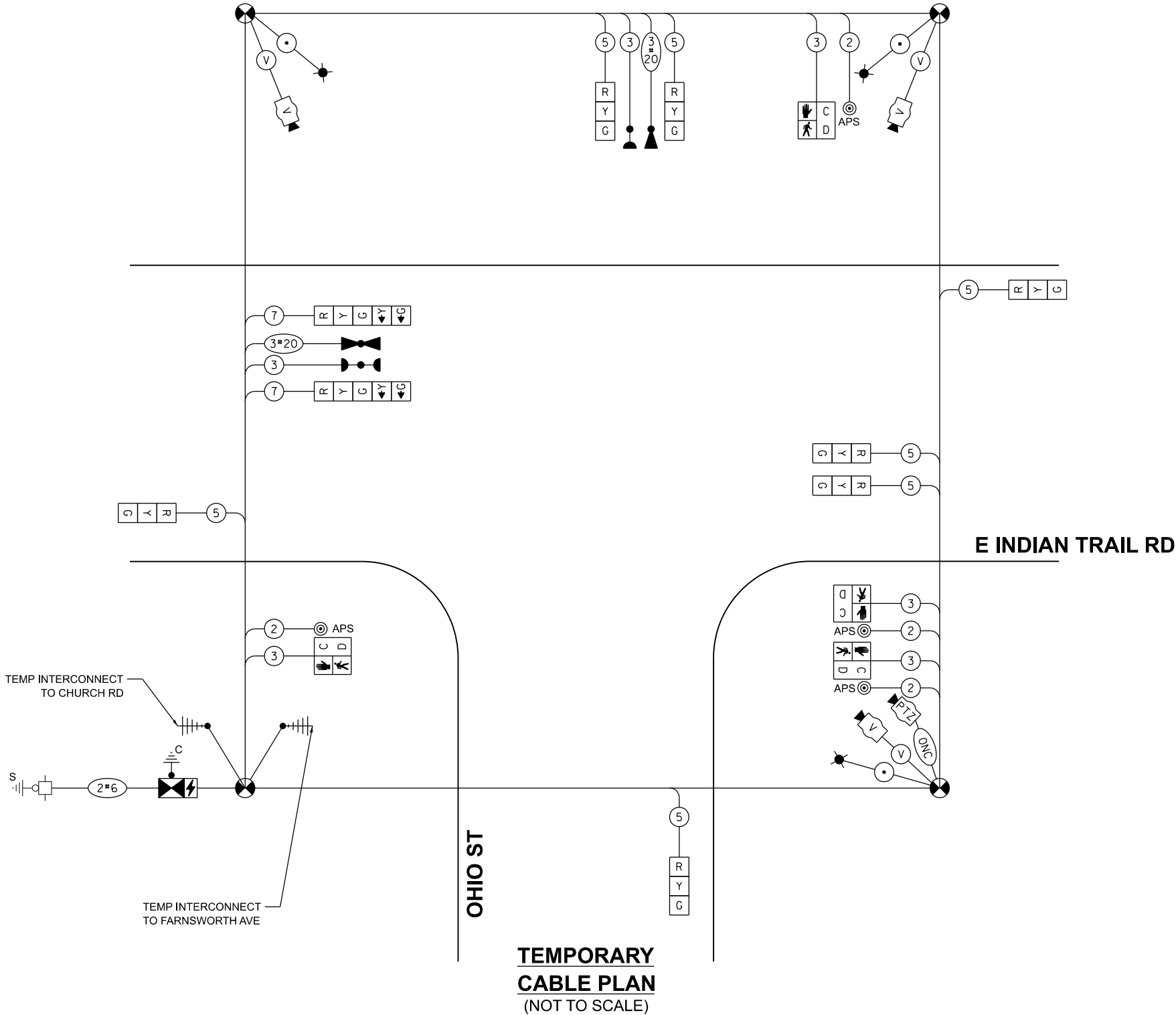
NOTES

- A TEMPORARY SIGNAL CONTROLLER SHALL BE PROVIDED TO OPERATE EXISTING SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.

LEGEND

* = ROADWAY LIGHTING CABLE

ENERGY COSTS TO:	
CITY OF AURORA	
44 E DOWNER PLACE	
AURORA, IL 60507	
ENERGY SUPPLY:	
CONTACT:	MARK SCHERIBEL
PHONE:	(630) 723-2128
COMPANY:	COMMONWEALTH EDISON
ACCOUNT NUMBER:	—



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			521
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1126

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4011 WILFRED ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6500
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633" / In.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

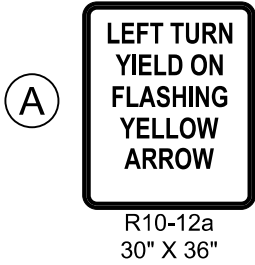
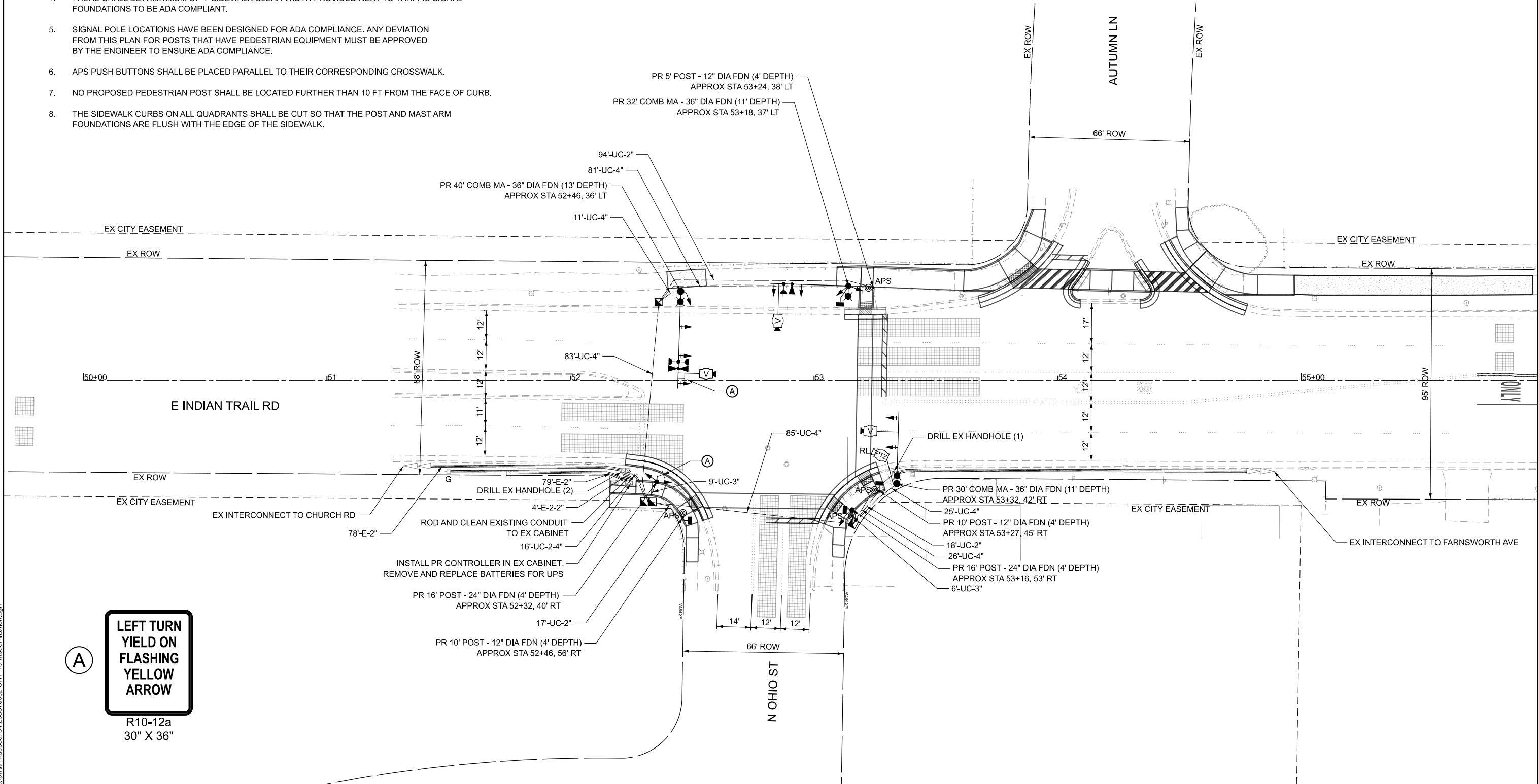
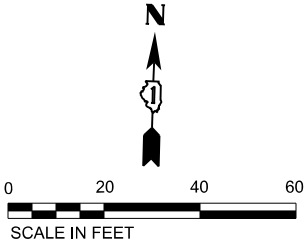
**TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & OHIO ST**

SCALE: NTS	SHEET 3	OF 30	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	64
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS FED. AID PROJECT				

NOTES

- ALL PUSH BUTTONS SHALL BE APS.
- ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAY SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISITING TRAFFIC SIGNAL EQUIPMENT, THE CITY OF AURORA TRAFFIC ENGINEER SHALL BE NOTIFIED AT (630) 256-3210 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING TRAFFIC SIGNAL OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEAR WIDTH PROVIDED NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- SIGNAL POLE LOCATIONS HAVE BEEN DESIGNED FOR ADA COMPLIANCE. ANY DEVIATION FROM THIS PLAN FOR POSTS THAT HAVE PEDESTRIAN EQUIPMENT MUST BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
- APS PUSH BUTTONS SHALL BE PLACED PARALLEL TO THEIR CORRESPONDING CROSSWALK.
- NO PROPOSED PEDESTRIAN POST SHALL BE LOCATED FURTHER THAN 10 FT FROM THE FACE OF CURB.
- THE SIDEWALK CURBS ON ALL QUADRANTS SHALL BE CUT SO THAT THE POST AND MAST ARM FOUNDATIONS ARE FLUSH WITH THE EDGE OF THE SIDEWALK.



MODEL: TS_01_MODERNIZATION [Sheet]
FILE NAME: C:\p\k\h1605367\41268378002-SHT-TS-Modernization.dgn

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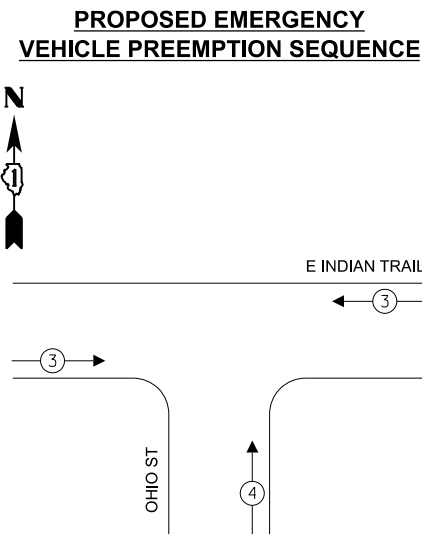
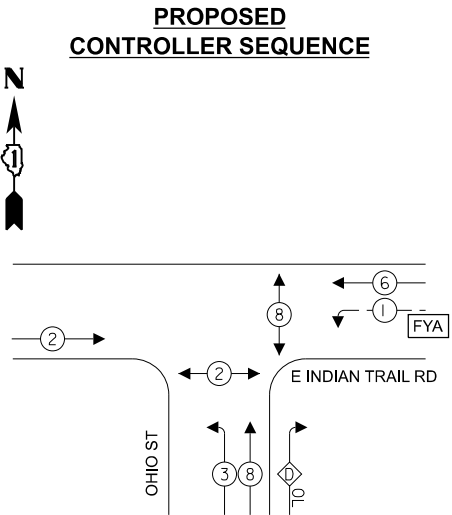
USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633 1/In.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
INDIAN TRAIL RD & OHIO ST

SCALE: 1"=20' SHEET 4 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	65
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	2	14	28
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			523
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	3	240	720
TOTAL SERVICE WIRE SIZING			1848

LEGEND



OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

NOTES

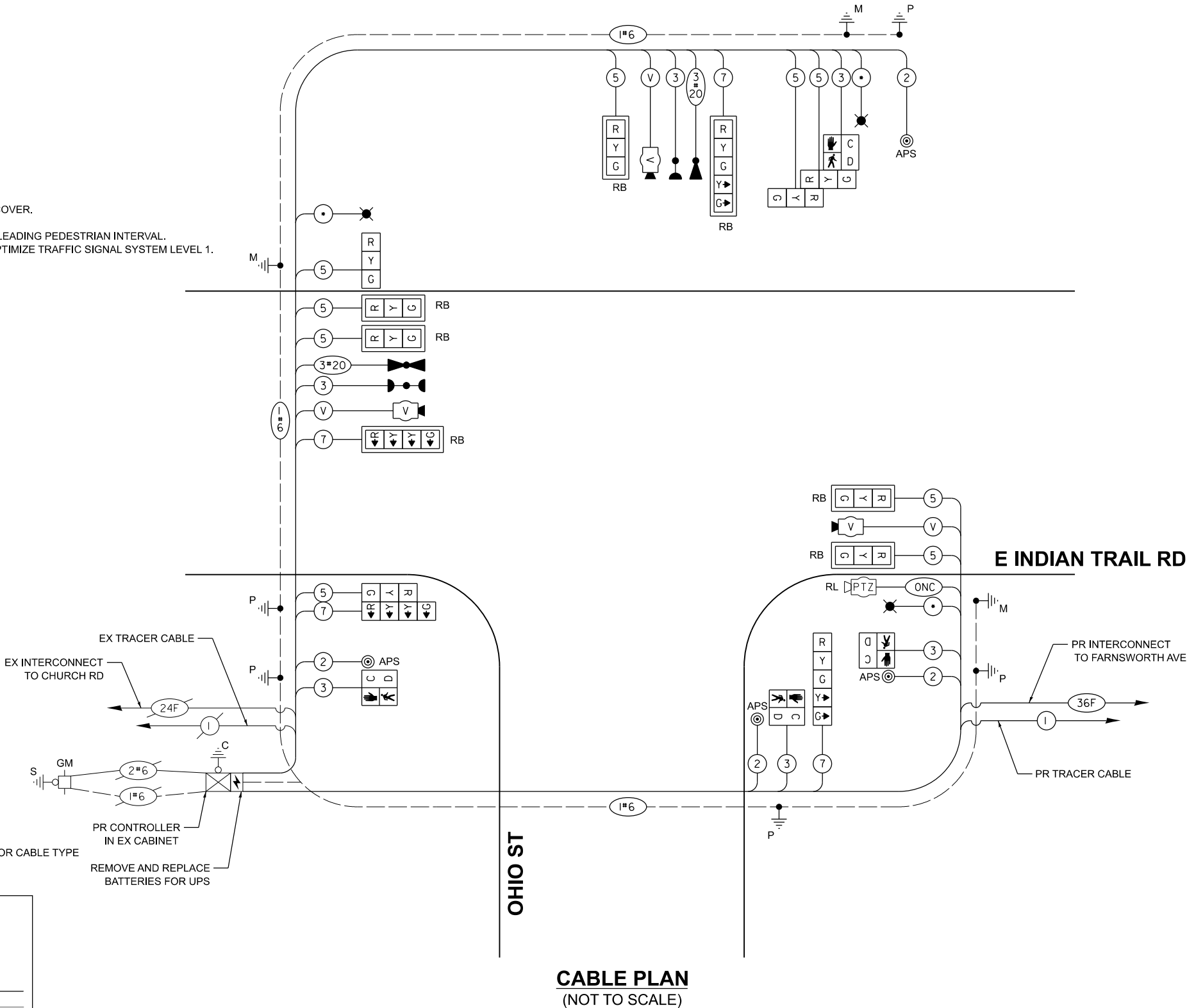
- ALL RED SIGNAL HEADS SHALL HAVE A LENS COVER.
- PEDESTRIAN PHASE 8 SHALL BE A 4 SECOND LEADING PEDESTRIAN INTERVAL. THIS WORK SHALL BE PAID FOR UNDER RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1.

LEGEND

* = ROADWAY LIGHTING CABLE, SEE LIGHTING PLANS FOR CABLE TYPE
RL = RELOCATE
RB = RETROREFLECTIVE BACKPLATE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —



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FILE NAME: c:\pwork\1403536734\26837802-SHT-TS-Cable.dgn

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4011 WINDFORD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-4500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

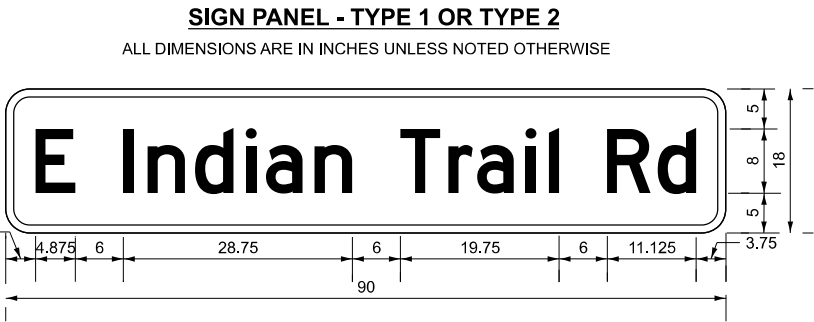
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & OHIO ST**

SCALE: NTS SHEET 5 OF 30 SHEETS STA. TO STA.

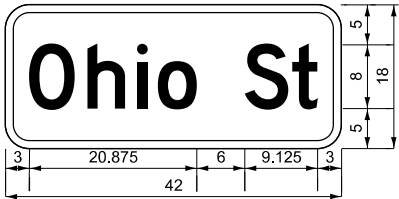
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	66
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	1

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

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	5.25	1	ZZ	2

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

SCHEDULE OF QUANTITIES

SIGN PANEL - TYPE 1	SQ FT	25.5
SIGN PANEL - TYPE 2	SQ FT	11.25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	129
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	6
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	343
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	685
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1220
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1581
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	750
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1491
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET (SPECIAL)	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2845
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	500
ROD AND CLEAN EXSTING CONDUIT	FOOT	8
RELOCATE SWITCH	EACH	2
OUTDOOR RATED NETWORK CABLE	FOOT	225
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
RELOCATE EXSTING PTZ CAMERA	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
LED SIGNAL FACE, LENS COVER	EACH	13
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	7
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CENTRALIZED SYSTEM FIELD INTEGRATION/ SETUP	L SUM	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL: SIGN-01 [Sheet]
FILE NAME: c:\paw\1605367\41268378002-SHT-TS-Signs.dgn

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4011 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6500
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 ' / In.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES
INDIAN TRAIL RD & OHIO ST

SCALE: NTS SHEET 6 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	67
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

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.

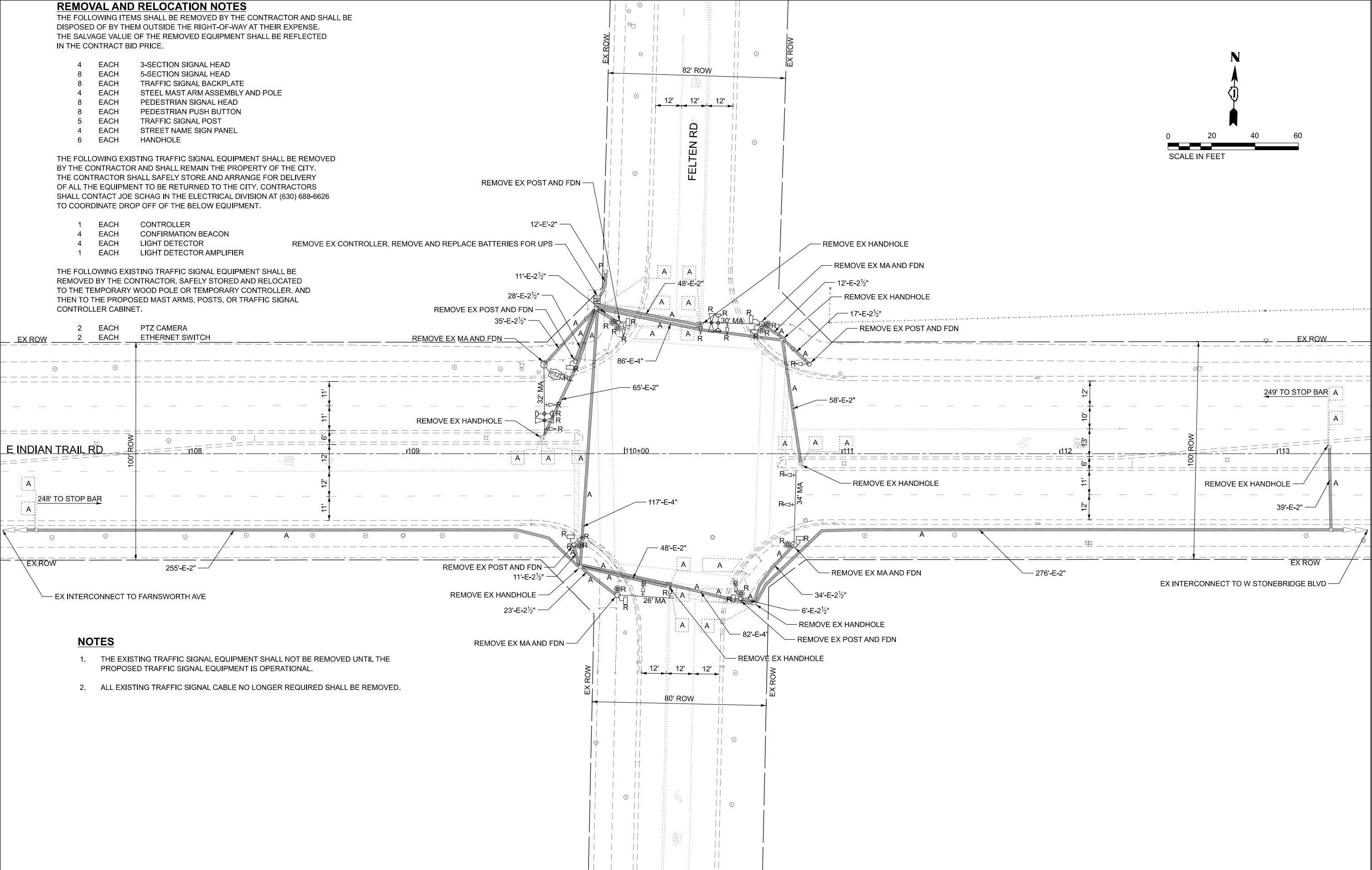
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH BUTTON
- 5 EACH TRAFFIC SIGNAL POST
- 4 EACH STREET NAME SIGN PANEL
- 6 EACH HANDHOLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY.
THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL THE EQUIPMENT TO BE RETURNED TO THE CITY. CONTRACTORS SHALL CONTACT JOE SCHAG IN THE ELECTRICAL DIVISION AT (630) 688-6626 TO COORDINATE DROP OFF OF THE BELOW EQUIPMENT.

- 1 EACH CONTROLLER
- 4 EACH CONFIRMATION BEACON
- 4 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY WOOD POLE OR TEMPORARY CONTROLLER, AND THEN TO THE PROPOSED MAST ARMS, POSTS, OR TRAFFIC SIGNAL CONTROLLER CABINET.

- 2 EACH PTZ CAMERA
- 2 EACH ETHERNET SWITCH



NOTES

- 1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL.
- 2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

MODEL: TS_02 REMOVAL [Sheet]
FILE NAME: c:\pwwork1\4015367\41268378002-SHT-TS-Removal.dgn

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401 WILFRED ROAD, SUITE 600
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PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / 1ft.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

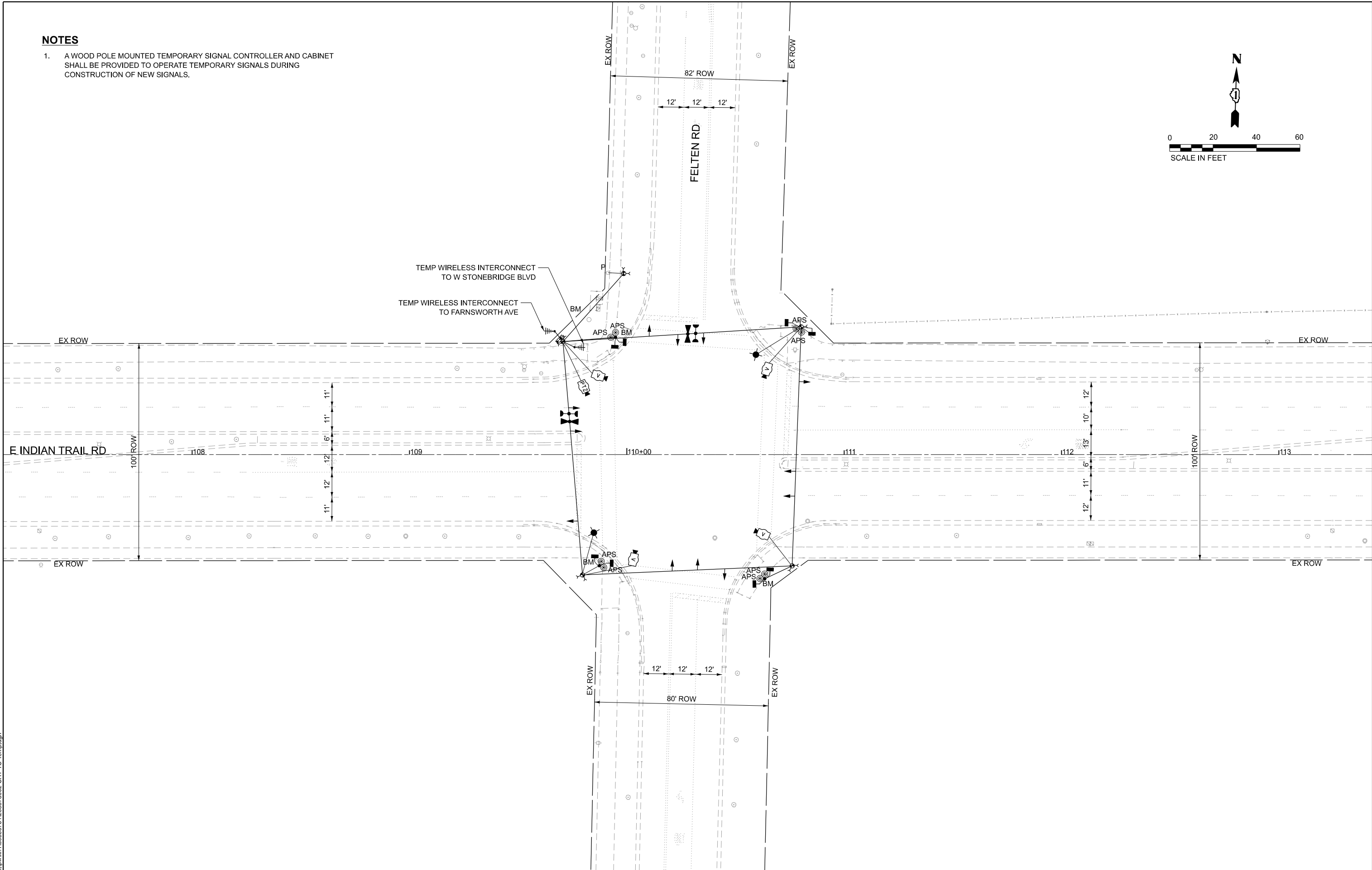
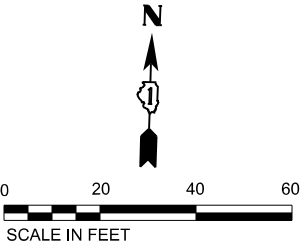
TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
INDIAN TRAIL RD & FELTEN RD

SCALE: 1"=20' SHEET 4 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	68
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

NOTES

1. A WOOD POLE MOUNTED TEMPORARY SIGNAL CONTROLLER AND CABINET SHALL BE PROVIDED TO OPERATE TEMPORARY SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.



MODEL: TS_02_TEMP [Sheet]
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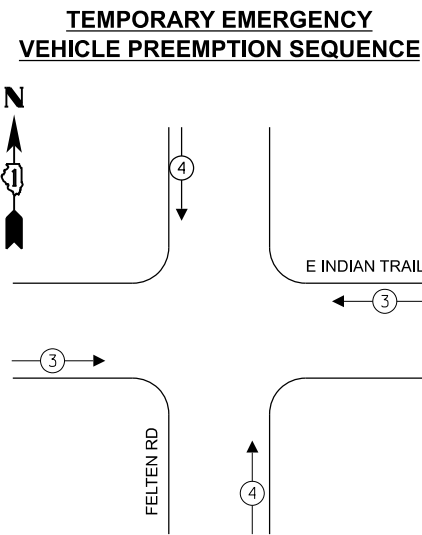
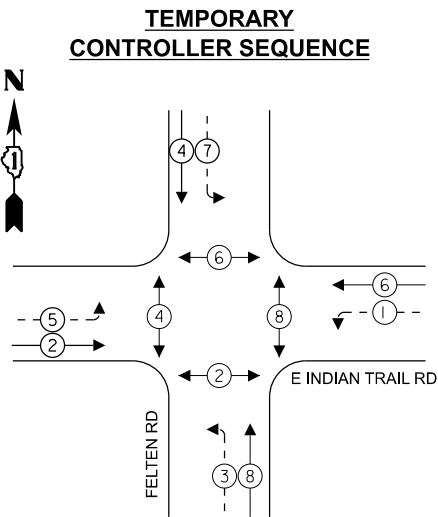
USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633" / 1ft.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL TEMPORARY PLAN
INDIAN TRAIL RD & FELTEN RD

SCALE: 1"=20' SHEET 8 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	69
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

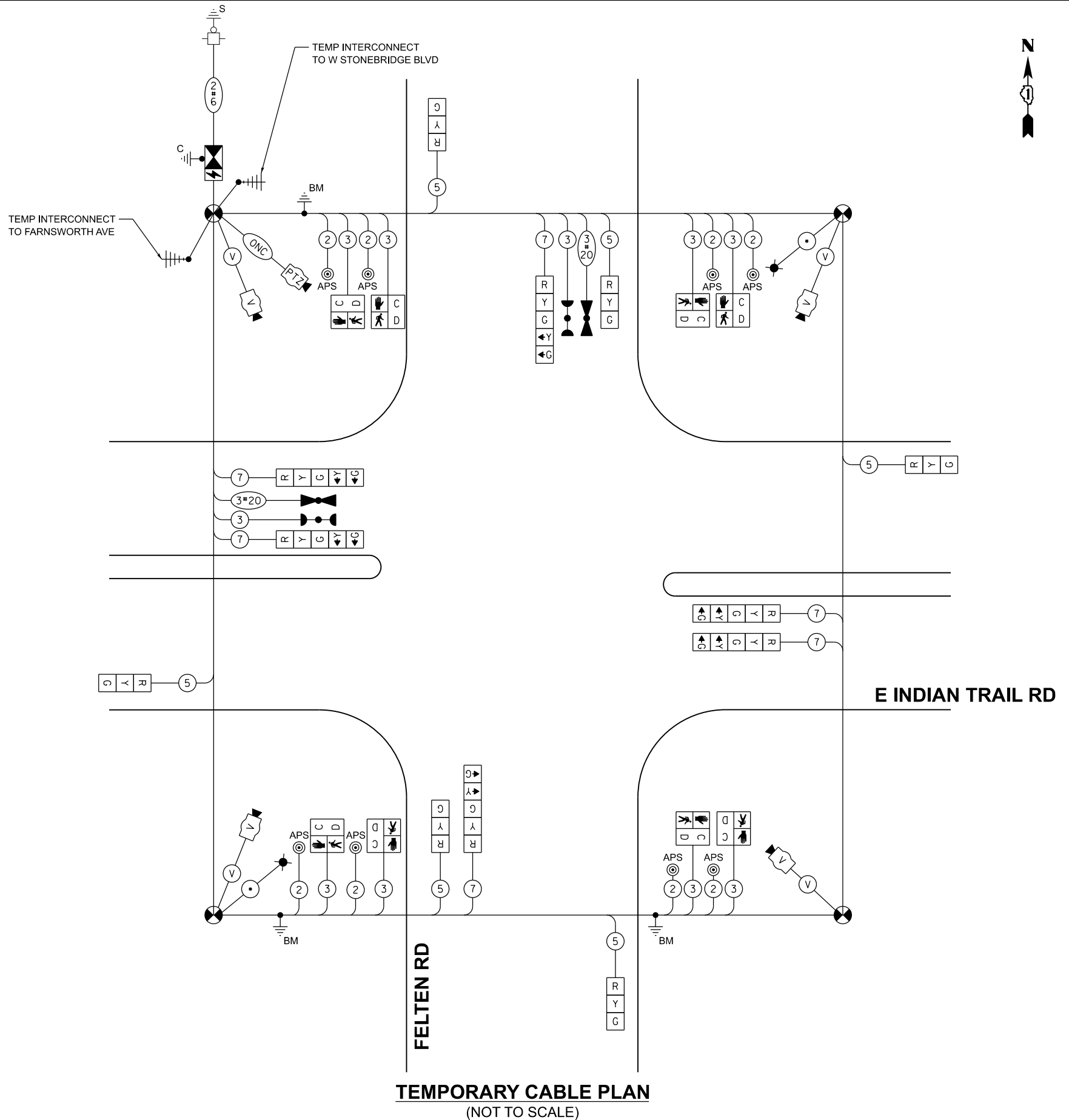


LEGEND

- ← (⊛) — PROTECTED PHASE
- ← - (⊛) - — PROTECTED/PERMITTED PHASE
- ← (⊛) → — PEDESTRIAN PHASE
- ← (⊛ OL) — OVERLAP
- [FYA] — FLASHING YELLOW ARROW

NOTES

1. A TEMPORARY SIGNAL CONTROLLER SHALL BE PROVIDED TO OPERATE EXISTING SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			664
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1269

LEGEND

* = ROADWAY LIGHTING CABLE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —

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REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

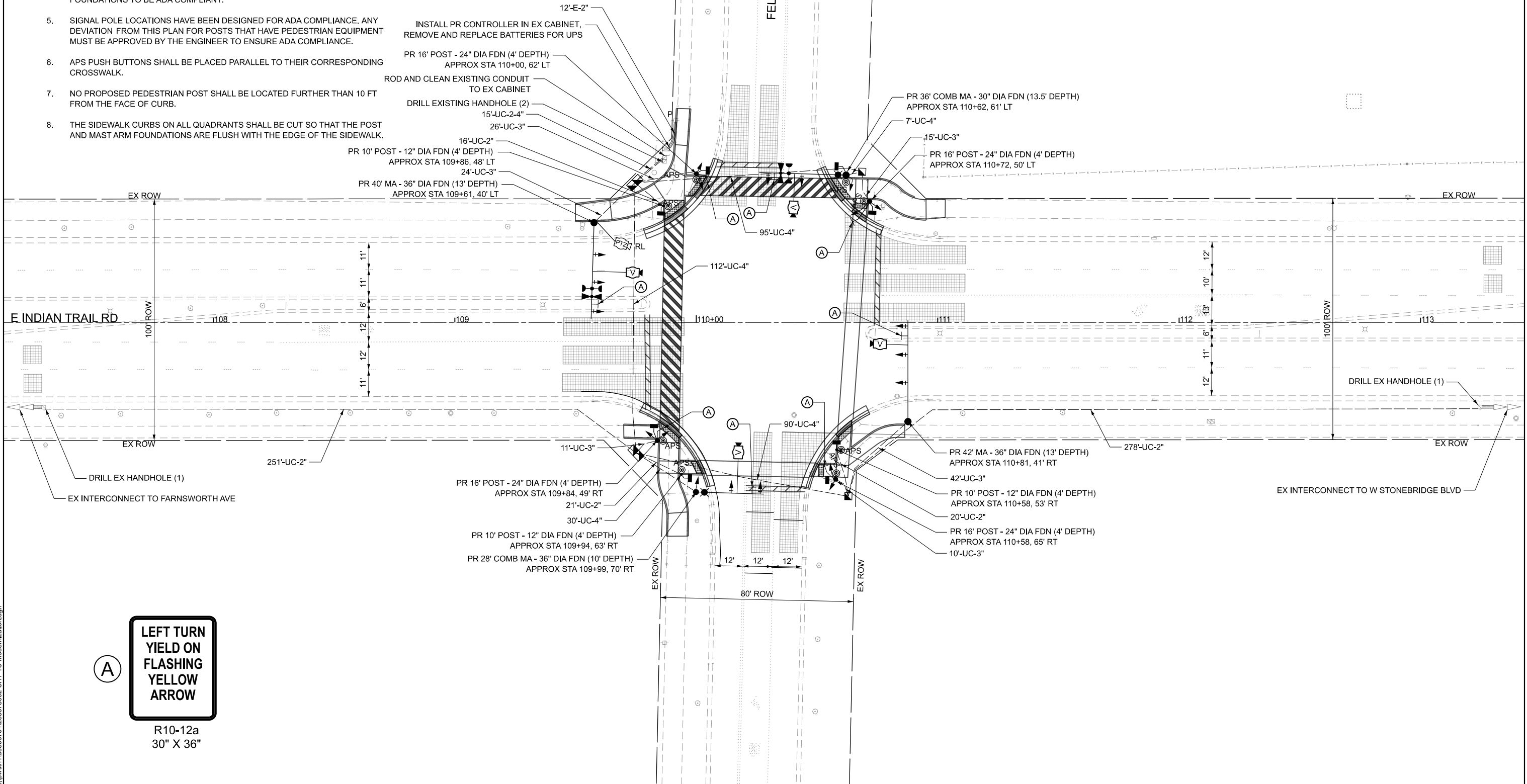
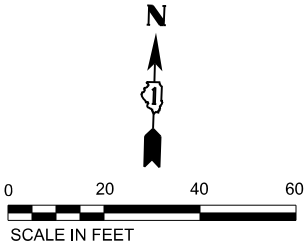
**TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & FELTEN RD**

SCALE: NTS SHEET 9 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	70
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

NOTES

- ALL PUSH BUTTONS SHALL BE APS.
- ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAY SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CITY OF AURORA TRAFFIC ENGINEER SHALL BE NOTIFIED AT (630) 256-3210 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING TRAFFIC SIGNAL OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEAR WIDTH PROVIDED NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- SIGNAL POLE LOCATIONS HAVE BEEN DESIGNED FOR ADA COMPLIANCE. ANY DEVIATION FROM THIS PLAN FOR POSTS THAT HAVE PEDESTRIAN EQUIPMENT MUST BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
- APS PUSH BUTTONS SHALL BE PLACED PARALLEL TO THEIR CORRESPONDING CROSSWALK.
- NO PROPOSED PEDESTRIAN POST SHALL BE LOCATED FURTHER THAN 10 FT FROM THE FACE OF CURB.
- THE SIDEWALK CURBS ON ALL QUADRANTS SHALL BE CUT SO THAT THE POST AND MAST ARM FOUNDATIONS ARE FLUSH WITH THE EDGE OF THE SIDEWALK.



MODEL: TS_02 MODERNIZATION [Sheet]
FILE NAME: C:\p\k\h11005367\41268378002-SHT-TS-Modernization.dgn

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4011 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
DESIGNED - JRR
DRAWN - JRR
PLOT SCALE = 0.16666633 1/In.
CHECKED - AMK
PLOT DATE = 7/8/2026
DATE -

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

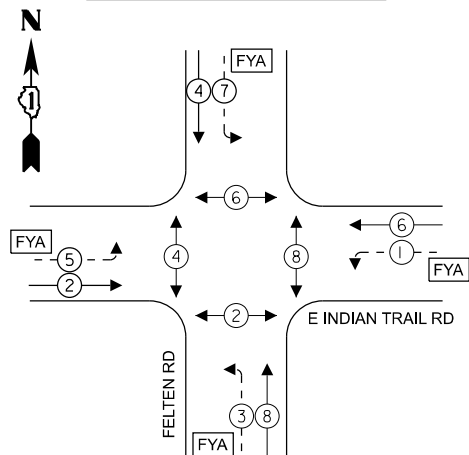
TRAFFIC SIGNAL MODERNIZATION PLAN
INDIAN TRAIL RD & FELTEN RD

SCALE: 1"=20' SHEET 10 OF 30 SHEETS STA. TO STA.

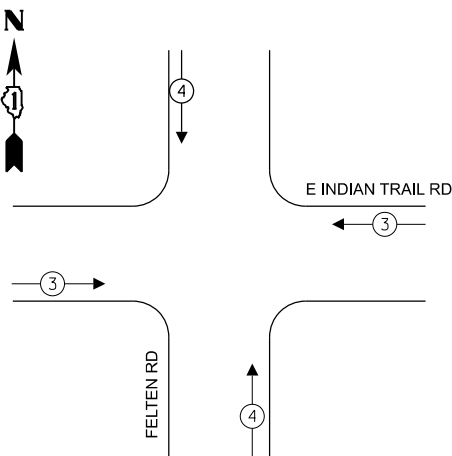
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	71
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

MODEL: Cable_02 [Sheet]
FILE NAME: c:\pwwork1\0036734\268378002-SHT-TS-Cable.dgn

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	8	14	112
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			694
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	2	240	480
TOTAL SERVICE WIRE SIZING			1779

LEGEND

- ← (⊛) — PROTECTED PHASE
- ← - (⊛) - — PROTECTED/PERMITTED PHASE
- ← (⊛) → — PEDESTRIAN PHASE
- ← (⊛ OL) — OVERLAP
- [FYA] — FLASHING YELLOW ARROW

NOTES

- ALL RED SIGNAL HEADS SHALL HAVE A LENS COVER.

LEGEND

- * = ROADWAY LIGHTING CABLE, SEE LIGHTING PLANS FOR CABLE TYPE
- RL = RELOCATE
- RB = RETROREFLECTIVE BACKPLATE

ENERGY COSTS TO:

CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY:

CONTACT: MARK SCHERIBEL

PHONE: (630) 723-2128

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: —

Kimley»Horn

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4011 WILFORD ROAD, SUITE 600
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PHONE: (630) 487-6500
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USER NAME = Jackson,Robbert

PLOT SCALE = 0.16666633" / In.

PLOT DATE = 7/8/2026

DESIGNED - JRR

DRAWN - JRR

CHECKED - AMK

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & FELTEN RD

SCALE: NTS

SHEET 11

OF 30

SHEETS

STA.

TO STA.

F.A.U
RTE.

**

SECTION

23-00358-00-TL

KANE/DUPAGE

ILLINOIS FED. AID PROJECT

COUNTY

KANE/DUPAGE

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

TOTAL
SHEETS

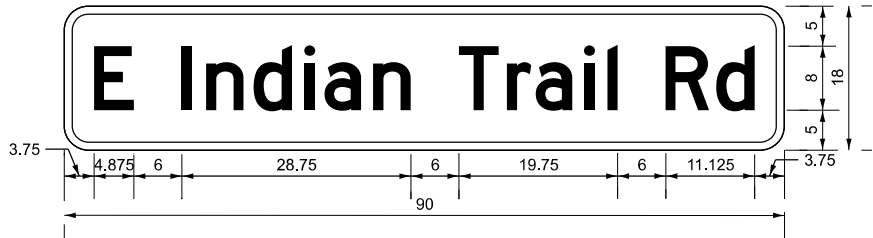
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72

72

SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

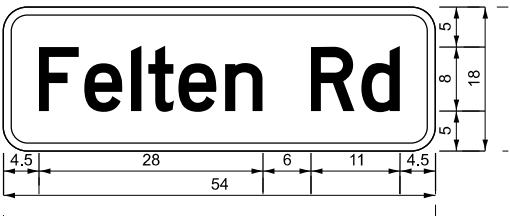


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2

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

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	6.75	1	ZZ	2

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	73.5
SIGN PANEL - TYPE 2	SQ FT	22.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	586
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	128
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	364
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1639
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2005
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2821
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1809
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2428
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	36
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXSTING CONTROLLER CABINET (SPECIAL)	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4313
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	366
ROD AND CLEAN EXSTING CONDUIT	FOOT	10
RELOCATE SWITCH	EACH	2
OUTDOOR RATED NETWORK CABLE	FOOT	366
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
RELOCATE EXISTING PTZ CAMERA	EACH	2
FULL-ACTUATED CONTROLLER IN EXSTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
LED SIGNAL FACE, LENS COVER	EACH	20
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	10
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CENTRALIZED SYSTEM FIELD INTEGRATION/ SETUP	L SUM	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL: SIGN-02 [Sheet]
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WARRENVILLE, IL 60055
PHONE: 630-467-6500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633 "/in.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

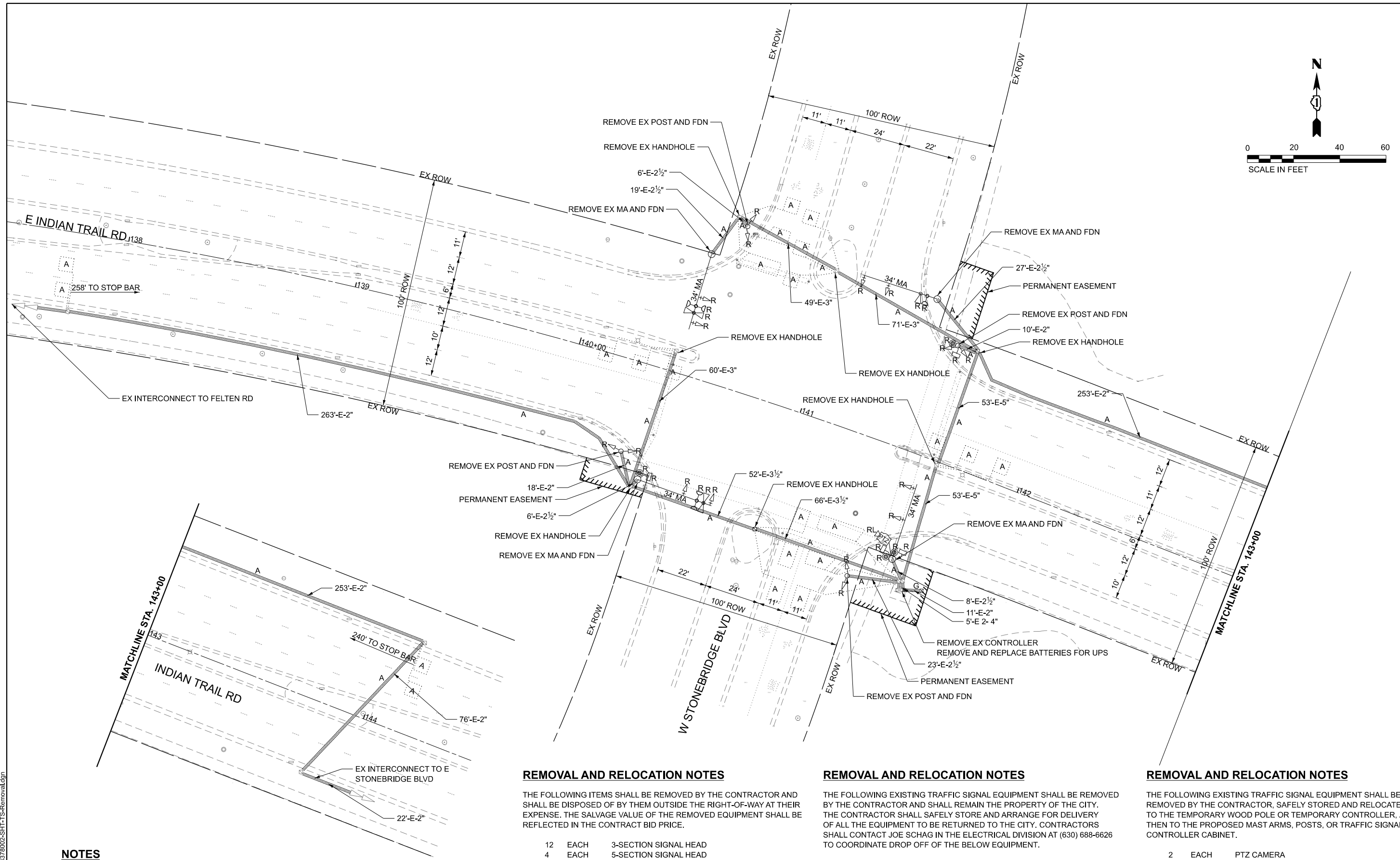
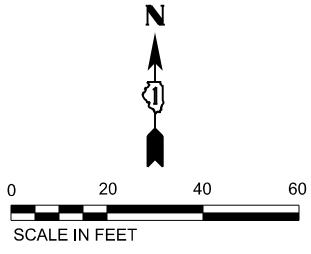
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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES
INDIAN TRAIL RD & FELTEN RD

SCALE: NTS SHEET 12 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	73
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



NOTES

- 1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL.
- 2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

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.

- | | | |
|----|------|--------------------------|
| 12 | EACH | 3-SECTION SIGNAL HEAD |
| 4 | EACH | 5-SECTION SIGNAL HEAD |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD |
| 4 | EACH | PEDESTRIAN PUSH BUTTON |
| 4 | EACH | TRAFFIC SIGNAL POST |
| 4 | EACH | STREET NAME SIGN PANEL |
| 7 | EACH | HANDHOLE |

REMOVAL AND RELOCATION NOTES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL THE EQUIPMENT TO BE RETURNED TO THE CITY. CONTRACTORS SHALL CONTACT JOE SCHAG IN THE ELECTRICAL DIVISION AT (630) 688-6626 TO COORDINATE DROP OFF OF THE BELOW EQUIPMENT.

- | | | |
|---|------|--------------------------|
| 1 | EACH | CONTROLLER |
| 3 | EACH | CONFIRMATION BEACON |
| 3 | EACH | LIGHT DETECTOR |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |

REMOVAL AND RELOCATION NOTES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY WOOD POLE OR TEMPORARY CONTROLLER, AND THEN TO THE PROPOSED MAST ARMS, POSTS, OR TRAFFIC SIGNAL CONTROLLER CABINET.

- | | | |
|---|------|-----------------|
| 2 | EACH | PTZ CAMERA |
| 2 | EACH | ETHERNET SWITCH |

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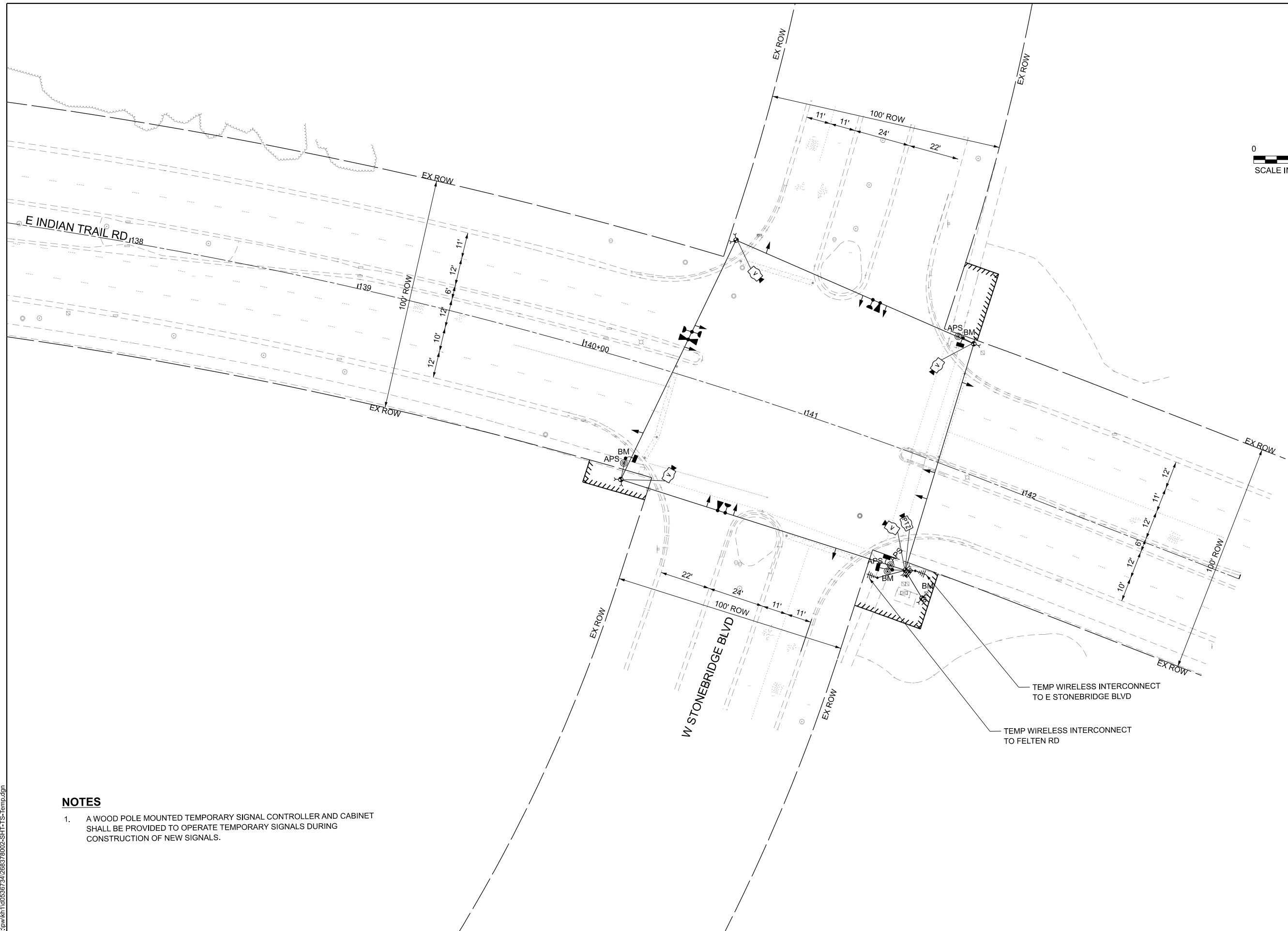
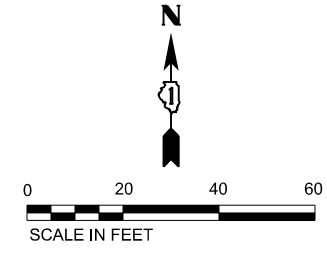
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PLOT SCALE	= 0.16666633 1/In.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
INDIAN TRAIL RD & W STONEBRIDGE BLVD**

SCALE: 1"=20' SHEET 13 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	74
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		



NOTES

- 1. A WOOD POLE MOUNTED TEMPORARY SIGNAL CONTROLLER AND CABINET SHALL BE PROVIDED TO OPERATE TEMPORARY SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.

MODEL: TS_03_TEMP [Sheet]
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PHONE: 630-487-6555
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USER NAME	= Jackson.Robbert	DESIGNED	- JRR	REVISED	-
		DRAWN	- JRR	REVISED	-
PLOT SCALE	= 0.16666633" / 1ft.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

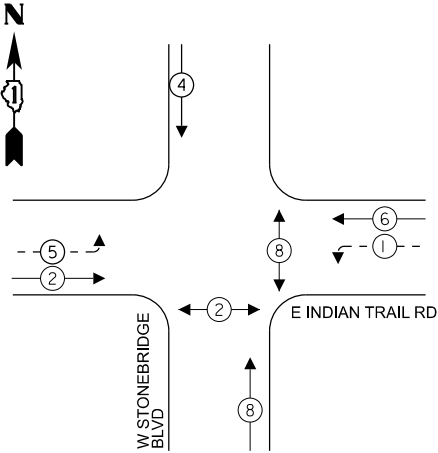
**TRAFFIC SIGNAL TEMPORARY PLAN
INDIAN TRAIL RD & W STONEBRIDGE BLVD**

SCALE: 1"=20' SHEET 14 OF 30 SHEETS STA. TO STA.

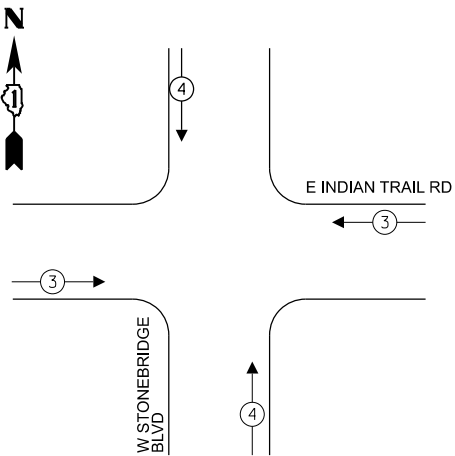
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**	23-00358-00-TL	KANE/DUPAGE	125	75
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

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TEMPORARY
CONTROLLER SEQUENCE



TEMPORARY EMERGENCY
VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			596
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1201

LEGEND

- ← (⊙) — PROTECTED PHASE
- ← - (⊙) - — PROTECTED/PERMITTED PHASE
- ← (⊙) → — PEDESTRIAN PHASE
- ← (⊙) OL — OVERLAP
- [FYA] — FLASHING YELLOW ARROW

NOTES

- A TEMPORARY SIGNAL CONTROLLER SHALL BE PROVIDED TO OPERATE EXISTING SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.

LEGEND

* = ROADWAY LIGHTING CABLE

ENERGY COSTS TO:

CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY:

CONTACT: MARK SCHERIBEL

PHONE: (630) 723-2128

COMPANY: COMMONWEALTH EDISON

ACCOUNT NUMBER: —

Kimley»Horn

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4011 WILFRED ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-4555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert

PLOT SCALE = 0.16666633" / In.

PLOT DATE = 7/8/2026

DESIGNED - JRR

DRAWN - JRR

CHECKED - AMK

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & W STONEBRIDGE BLVD

SCALE: NTS

SHEET 15 OF 30 SHEETS

STA.

TO STA.

F.A.U.
RTE.

**

SECTION

23-00358-00-TL

KANE/DUPAGE

ILLINOIS

COUNTY

KANE/DUPAGE

CONTRACT NO. 61M10

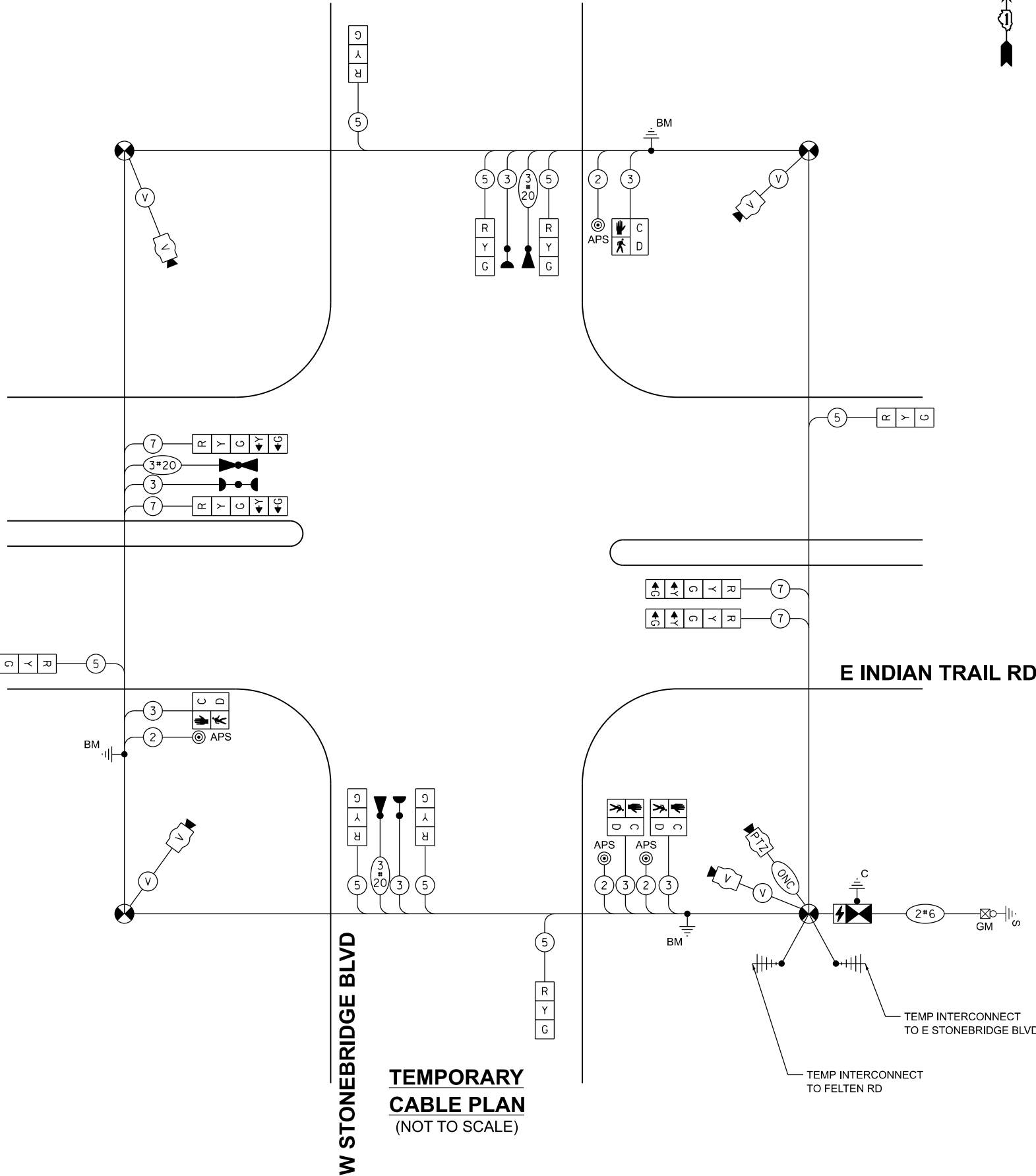
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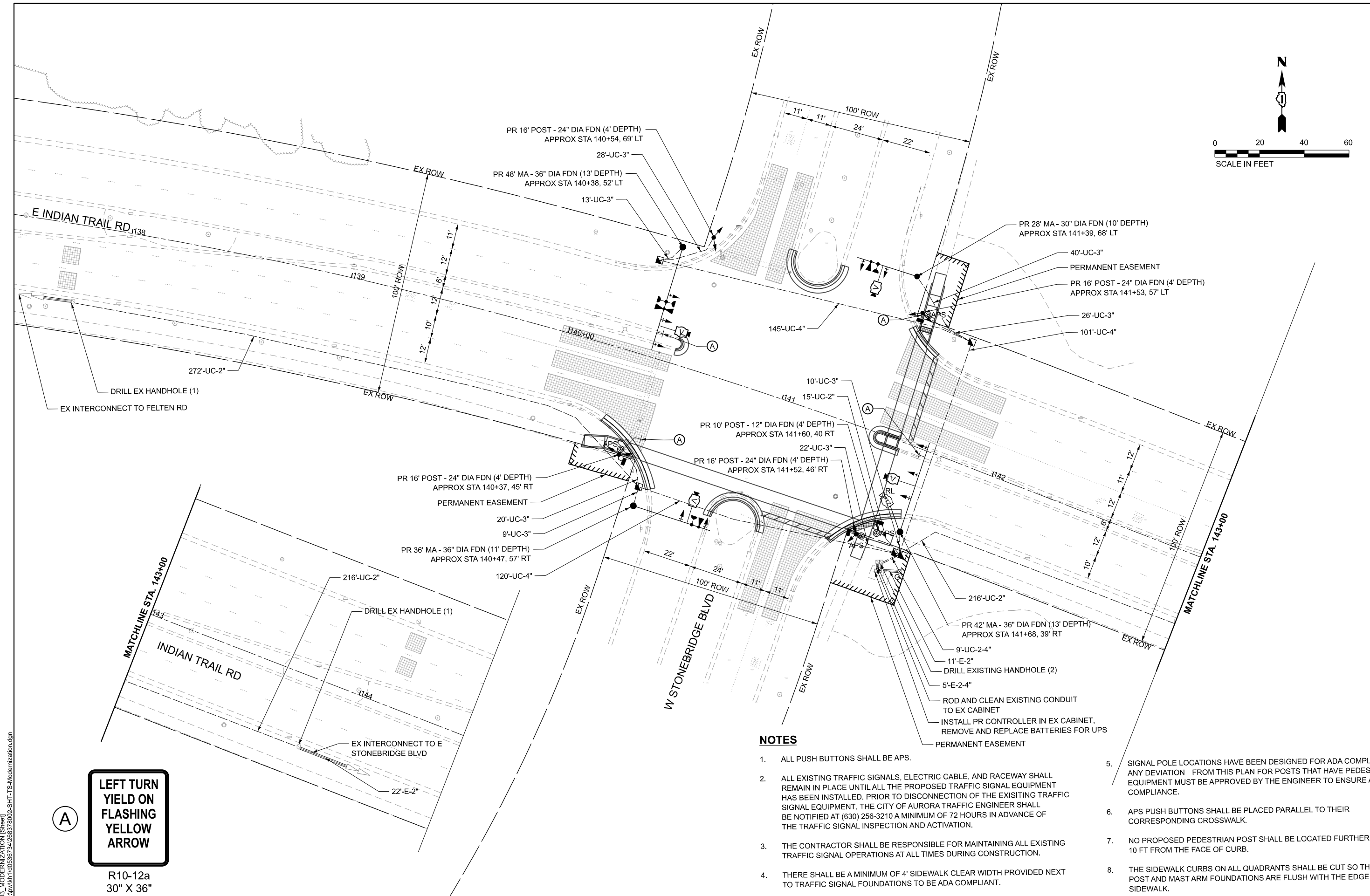
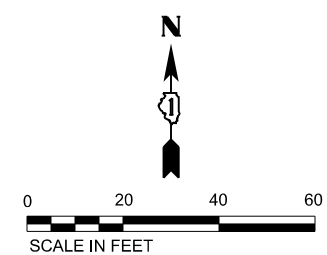
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SHEETS

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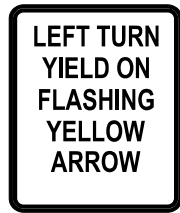
SHEET
NO.

76





- NOTES**
1. ALL PUSH BUTTONS SHALL BE APS.
 2. ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAY SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CITY OF AURORA TRAFFIC ENGINEER SHALL BE NOTIFIED AT (630) 256-3210 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING TRAFFIC SIGNAL OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
 4. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEAR WIDTH PROVIDED NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
 5. SIGNAL POLE LOCATIONS HAVE BEEN DESIGNED FOR ADA COMPLIANCE. ANY DEVIATION FROM THIS PLAN FOR POSTS THAT HAVE PEDESTRIAN EQUIPMENT MUST BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
 6. APS PUSH BUTTONS SHALL BE PLACED PARALLEL TO THEIR CORRESPONDING CROSSWALK.
 7. NO PROPOSED PEDESTRIAN POST SHALL BE LOCATED FURTHER THAN 10 FT FROM THE FACE OF CURB.
 8. THE SIDEWALK CURBS ON ALL QUADRANTS SHALL BE CUT SO THAT THE POST AND MAST ARM FOUNDATIONS ARE FLUSH WITH THE EDGE OF THE SIDEWALK.



R10-12a
30" X 36"

MODEL: TS_03 MODERNIZATION [Sheet]
FILE NAME: C:\p\h\1606367\4\268378002-SHT-TS-Modernization.dgn

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USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633" / 1in.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

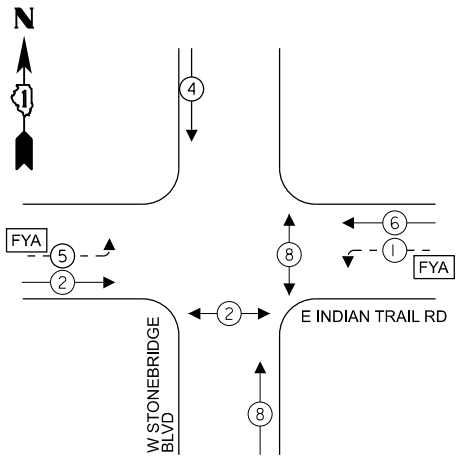
**TRAFFIC SIGNAL MODERNIZATION PLAN
INDIAN TRAIL RD & W STONEBRIDGE BLVD**

SCALE: 1"=20' SHEET 16 OF 30 SHEETS STA. TO STA.

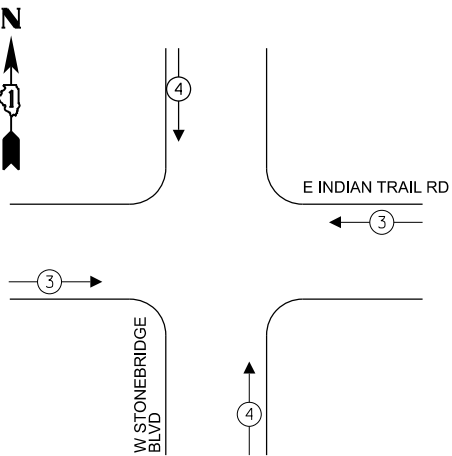
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	77
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

MODEL: Cable_03 [Sheet]
FILE NAME: c:\pwwork\140536734\268378002-SHT-TS-Cable.dgn

PROPOSED
CONTROLLER SEQUENCE



PROPOSED EMERGENCY
VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	4	14	56
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			600
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1205

LEGEND

- ← (⊛) → PROTECTED PHASE
- ← - (⊛) - → PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛ OL) → OVERLAP
- [FYA] FLASHING YELLOW ARROW

NOTES

- ALL RED SIGNAL HEADS SHALL HAVE A LENS COVER.
- PEDESTRIAN PHASE 8 SHALL BE A 4 SECOND LEADING PEDESTRIAN INTERVAL.
THIS WORK SHALL BE PAID FOR UNDER RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1.

LEGEND

- * = ROADWAY LIGHTING CABLE, SEE LIGHTING PLANS FOR CABLE TYPE
- RL = RELOCATE
- RB = RETROREFLECTIVE BACKPLATE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —

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4011 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60059
PHONE: (630) 487-4500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
(NOT TO SCALE)

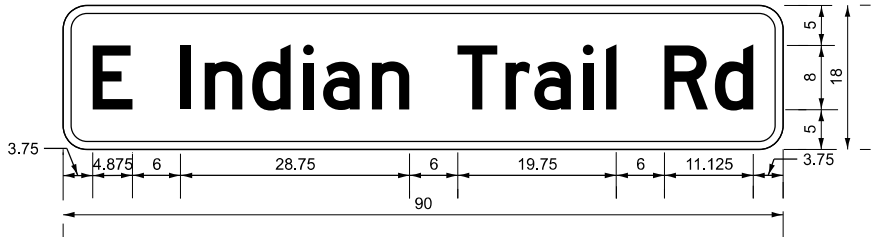
SCALE: NTS SHEET 17 OF 30 SHEETS STA. TO STA.

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & W STONEBRIDGE BLVD

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	78
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

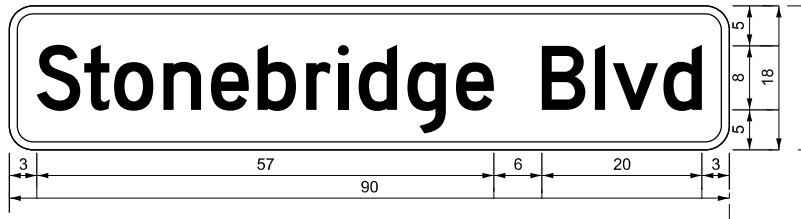


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2

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

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	11.25	2	ZZ	2

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	45
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	503
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	168
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	384
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	580
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1485
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2607
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	929
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1590
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET (SPECIAL)	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3912
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	885
ROD AND CLEAN EXSTING CONDUIT	FOOT	10
RELOCATE SWITCH	EACH	2
OUTDOOR RATED NETWORK CABLE	FOOT	125
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	2
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
LED SIGNAL FACE, LENS COVER	EACH	18
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	10
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL: SIGN-03 (Sheet)
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4011 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60059
PHONE: 630-487-6500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert

DESIGNED - JRR

REVISED -

DRAWN - JRR

REVISED -

PLOT SCALE = 0.16666633 ' / In.

CHECKED - AMK

REVISED -

PLOT DATE = 7/8/2026

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES
INDIAN TRAIL RD & W STONEBRIDGE BLVD

SCALE: NTS

SHEET 18

OF 30

SHEETS

STA.

TO STA.

F.A.U.
RTE.

**

SECTION

23-00358-00-TL

COUNTY

KANE/DUPAGE

TOTAL
SHEETS

125

SHEET
NO.

79

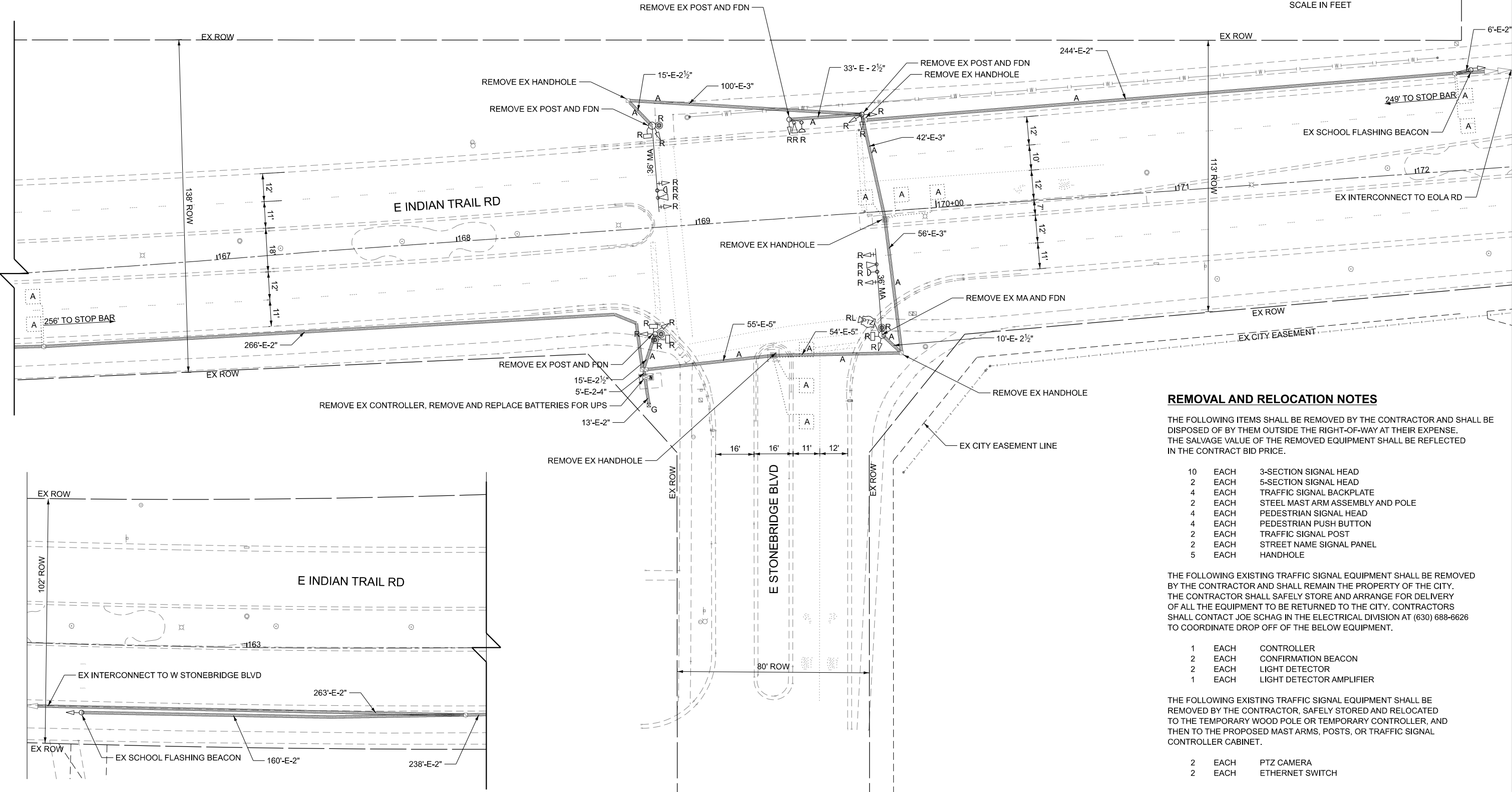
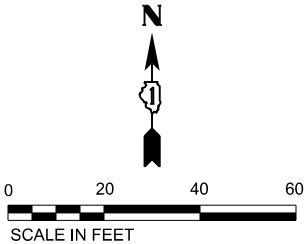
** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

NOTES

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS OPERATIONAL.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



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.

10	EACH	3-SECTION SIGNAL HEAD
2	EACH	5-SECTION SIGNAL HEAD
4	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	PEDESTRIAN SIGNAL HEAD
4	EACH	PEDESTRIAN PUSH BUTTON
2	EACH	TRAFFIC SIGNAL POST
2	EACH	STREET NAME SIGNAL PANEL
5	EACH	HANDHOLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DELIVERY OF ALL THE EQUIPMENT TO BE RETURNED TO THE CITY. CONTRACTORS SHALL CONTACT JOE SCHAG IN THE ELECTRICAL DIVISION AT (630) 688-6626 TO COORDINATE DROP OFF OF THE BELOW EQUIPMENT.

1	EACH	CONTROLLER
2	EACH	CONFIRMATION BEACON
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE TEMPORARY WOOD POLE OR TEMPORARY CONTROLLER, AND THEN TO THE PROPOSED MAST ARMS, POSTS, OR TRAFFIC SIGNAL CONTROLLER CABINET.

2	EACH	PTZ CAMERA
2	EACH	ETHERNET SWITCH

MODEL: TS_04 REMOVAL [Sheet]
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WARRENVILLE, IL 60055
PHONE: (630) 487-6500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / 1 ft.
PLOT DATE = 7/8/2026

DESIGNED -	JRR	REVISED -	
DRAWN -	JRR	REVISED -	
CHECKED -	AMK	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
INDIAN TRAIL RD & E STONEBRIDGE BLVD

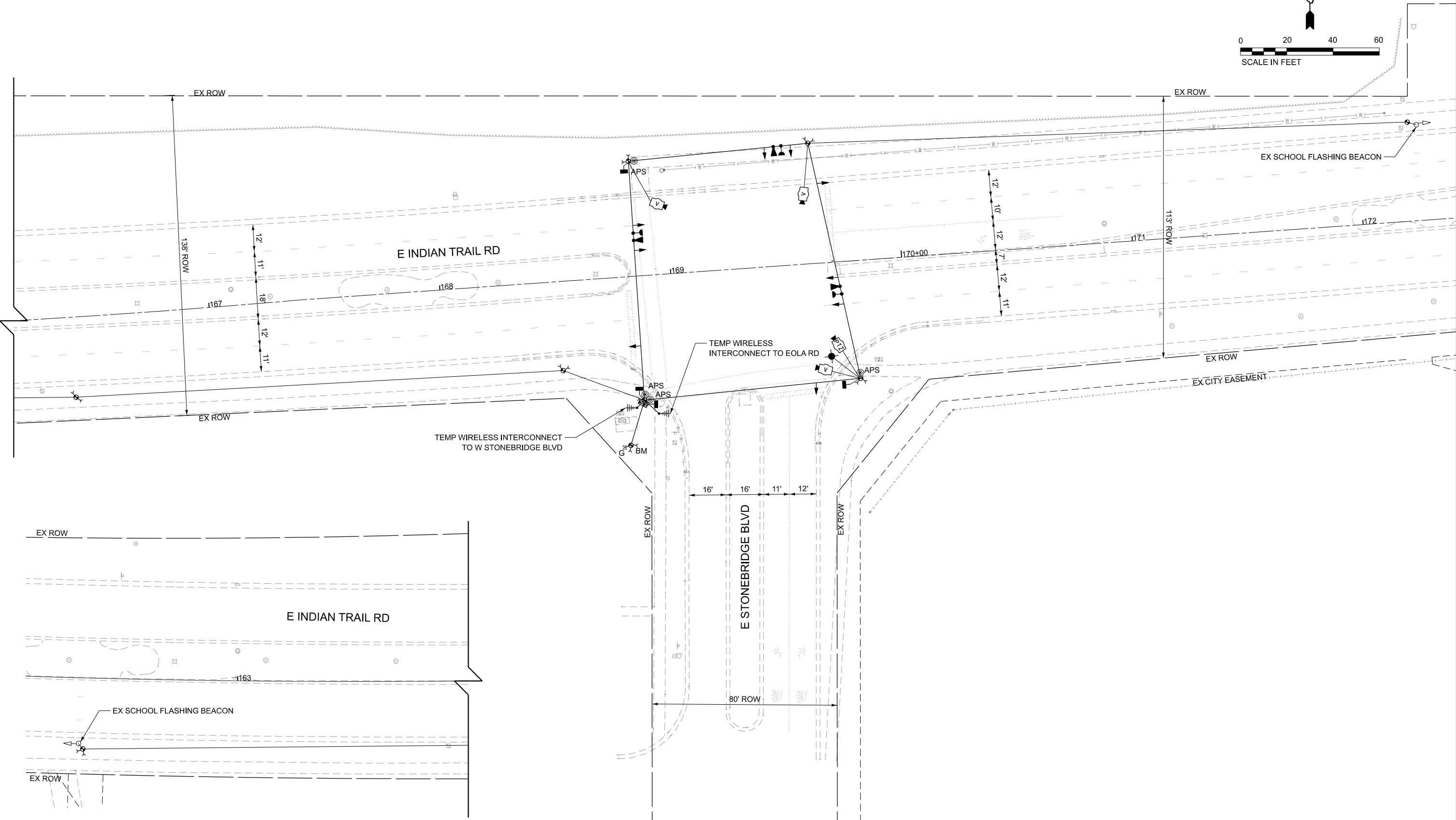
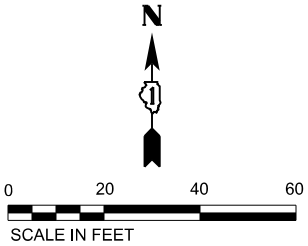
SCALE: 1"=20'

SHEET 19 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	80
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

NOTES

1. A WOOD POLE MOUNTED TEMPORARY SIGNAL CONTROLLER AND CABINET SHALL BE PROVIDED TO OPERATE TEMPORARY SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.



MODEL: TS_04_TEMP [Sheet]
FILE NAME: C:\p\k\h160636724\268378002-SHT-TS-Temp.dgn

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WARRENVILLE, IL 60055
PHONE: 630-487-5555
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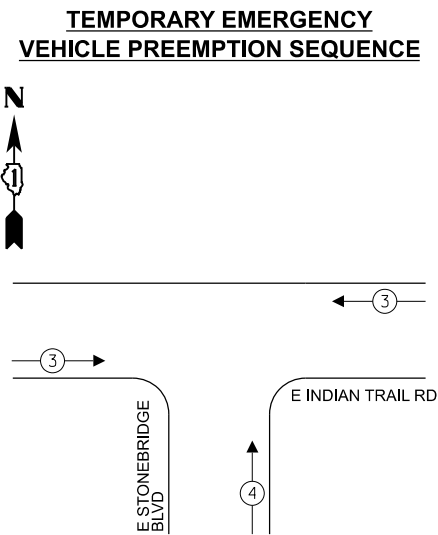
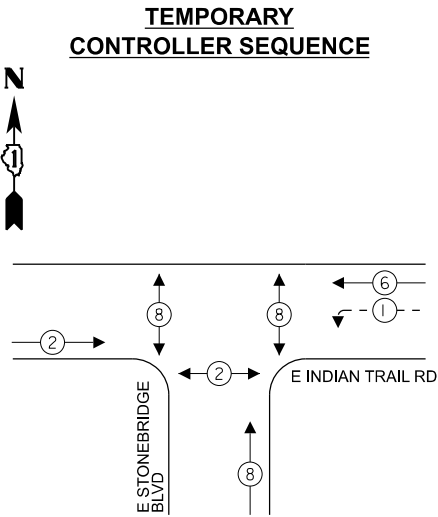
USER NAME	= Jackson.Robbert	DESIGNED	- JRR	REVISED	-
		DRAWN	- JRR	REVISED	-
PLOT SCALE	= 0.16666633" / 1ft.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL TEMPORARY PLAN
INDIAN TRAIL RD & E STONEBRIDGE BLVD

SCALE: 1"=20' SHEET 20 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	81
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- ← (⊛) — PROTECTED PHASE
- ← - (⊛) - PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL OVERLAP
- [FYA] FLASHING YELLOW ARROW

NOTES

1. A TEMPORARY SIGNAL CONTROLLER SHALL BE PROVIDED TO OPERATE EXISTING SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

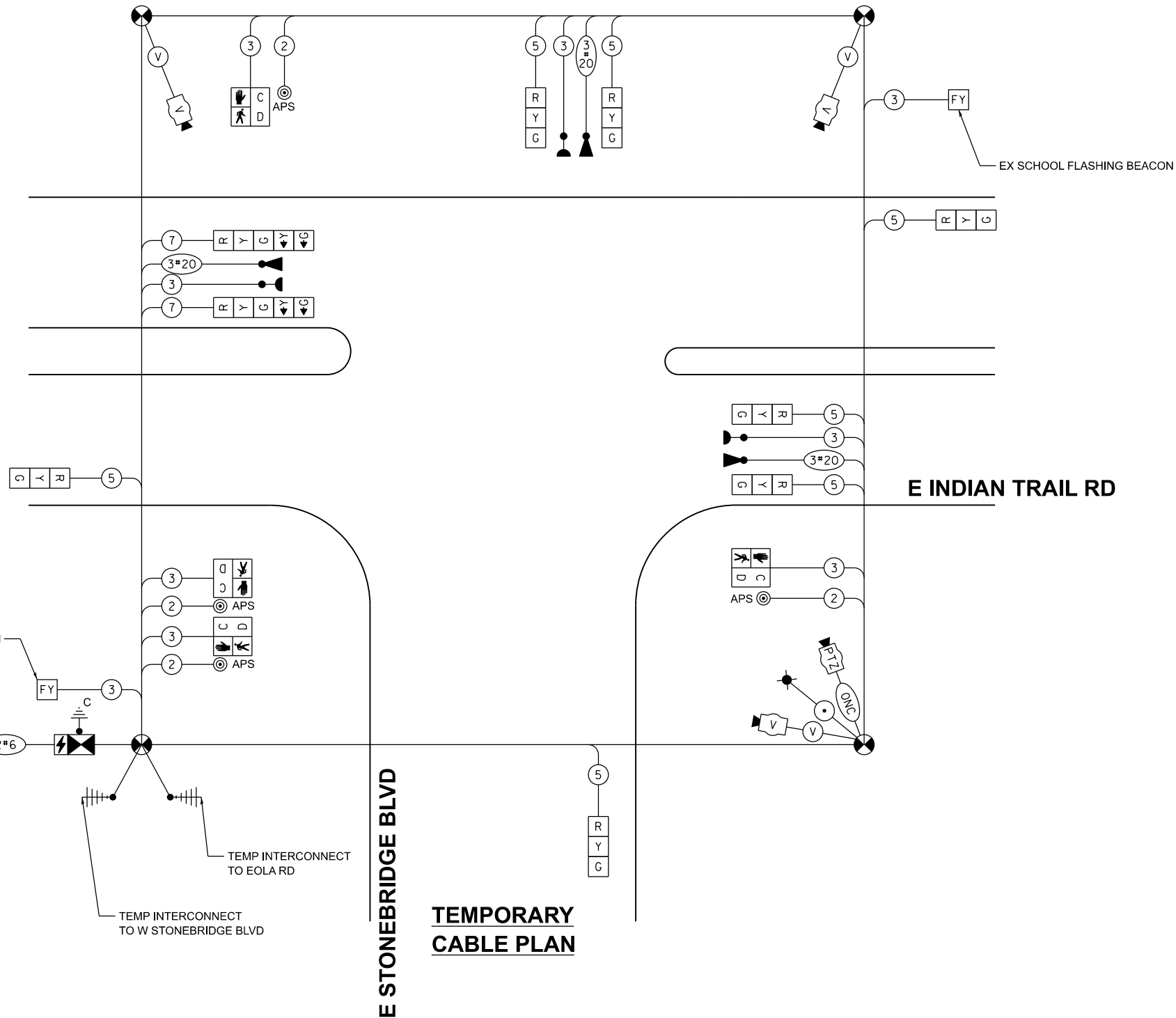
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			517
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1122

LEGEND

* = ROADWAY LIGHTING CABLE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —



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WARRENVILLE, IL 60555
PHONE: (630) 487-4555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

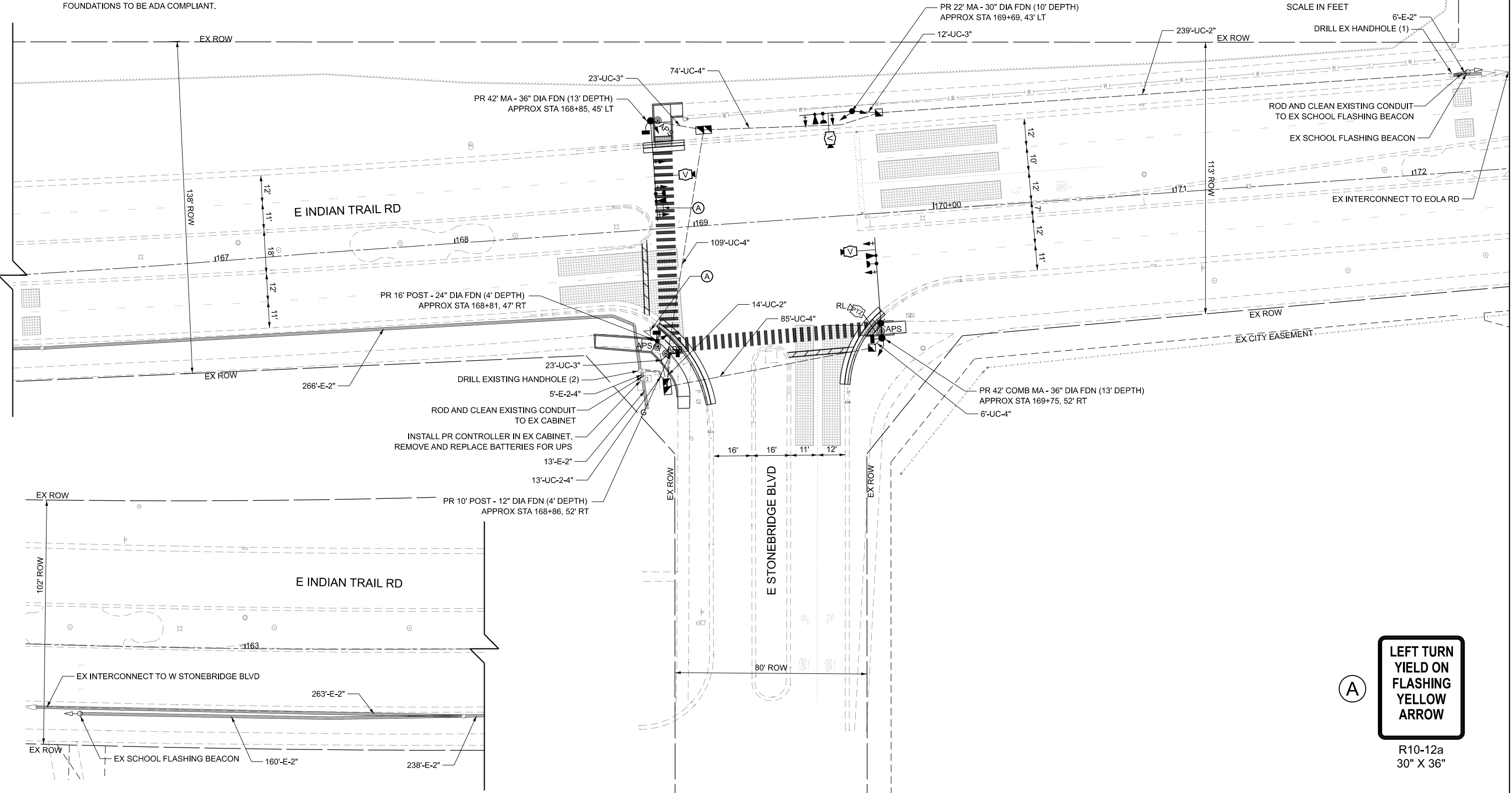
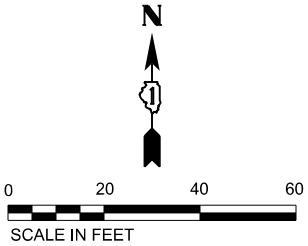
TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & E STONEBRIDGE BLVD

SCALE: NTS SHEET 21 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	82
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS				FED. AID PROJECT

NOTES

- ALL PUSH BUTTONS SHALL BE APS.
- ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAY SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CITY OF AURORA TRAFFIC ENGINEER SHALL BE NOTIFIED AT (630) 256-3210 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING TRAFFIC SIGNAL OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEAR WIDTH PROVIDED NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- SIGNAL POLE LOCATIONS HAVE BEEN DESIGNED FOR ADA COMPLIANCE. ANY DEVIATION FROM THIS PLAN FOR POSTS THAT HAVE PEDESTRIAN EQUIPMENT MUST BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
- APS PUSH BUTTONS SHALL BE PLACED PARALLEL TO THEIR CORRESPONDING CROSSWALK.
- NO PROPOSED PEDESTRIAN POST SHALL BE LOCATED FURTHER THAN 10 FT FROM THE FACE OF CURB.
- THE SIDEWALK CURBS ON ALL QUADRANTS SHALL BE CUT SO THAT THE POST AND MAST ARM FOUNDATIONS ARE FLUSH WITH THE EDGE OF THE SIDEWALK.



MODEL: TS_04_MODERNIZATION [Sheet]
FILE NAME: C:\pwwork1\6036734\268378002-SHT-TS-Modernization.dgn

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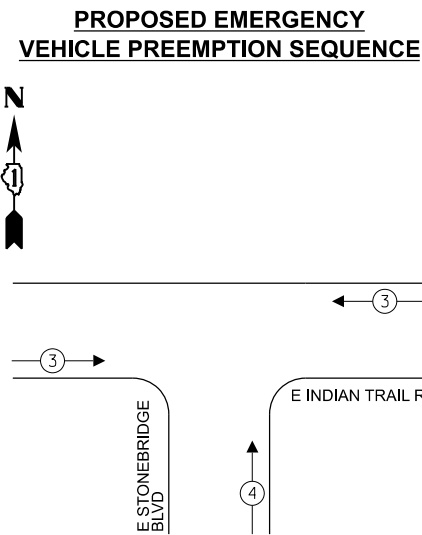
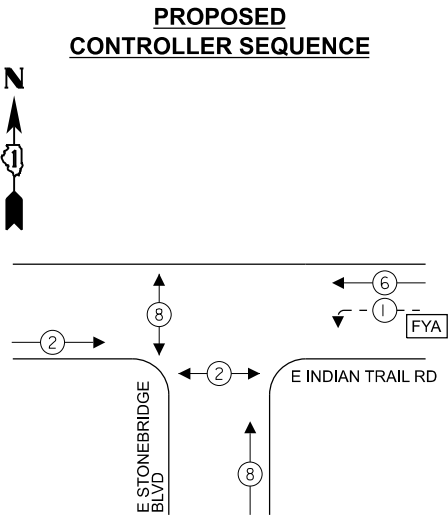
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		DRAWN	- JRR	REVISED	-
PLOT SCALE	= 0.16666633 1/In.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
INDIAN TRAIL RD & E STONEBRIDGE BLVD

SCALE: 1"=20' SHEET 22 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	83
** = FAU 1503 & 1509, MUN 1157 CONTRACT NO. 61M10				
ILLINOIS FED. AID PROJECT				



**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	2	14	28
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			519
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	1	240	240
TOTAL SERVICE WIRE SIZING			1364

LEGEND

- ← (⊙) — PROTECTED PHASE
- ← - (⊙) - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP
- [FYA] FLASHING YELLOW ARROW

NOTES

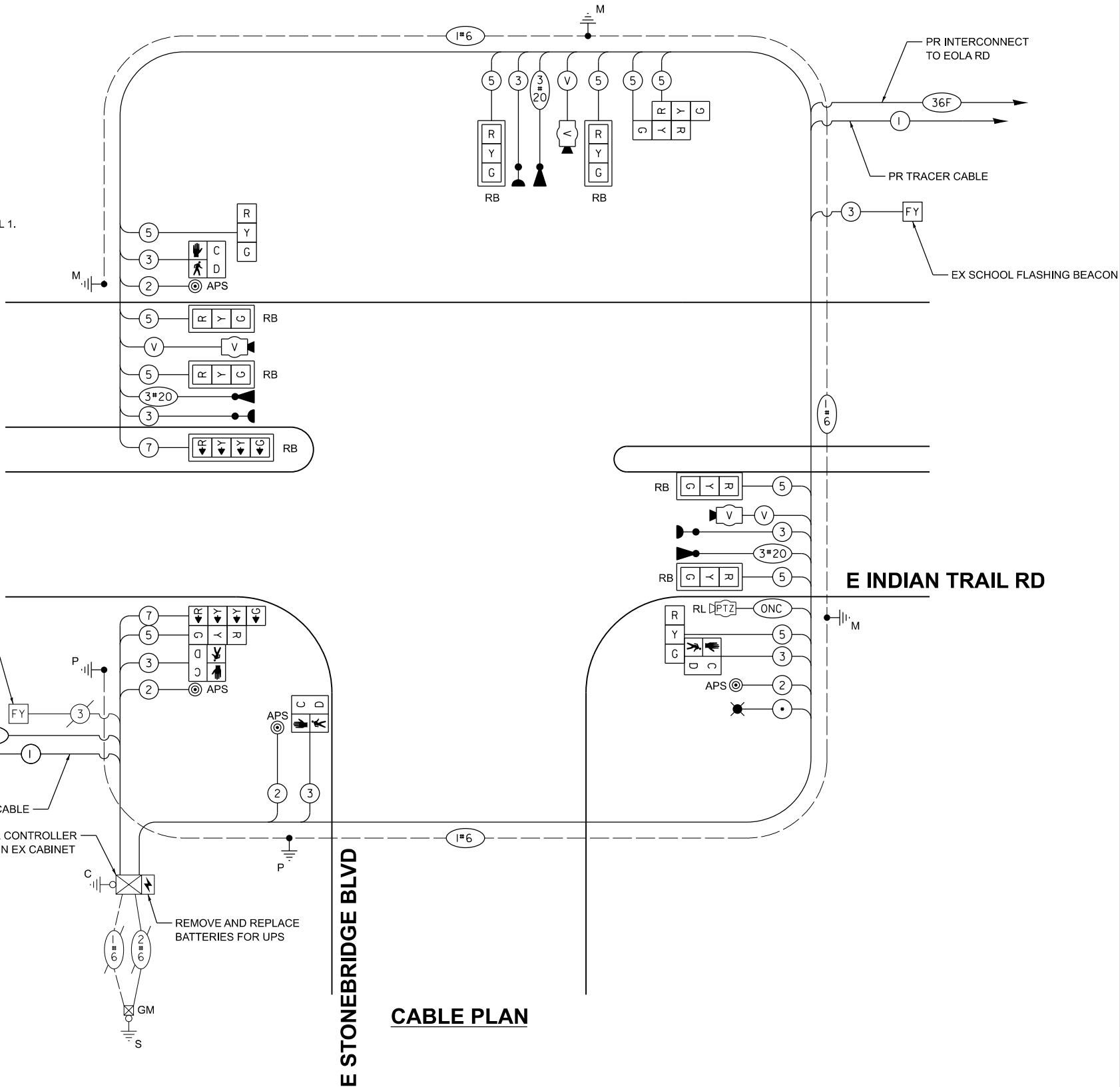
- ALL RED SIGNAL HEADS SHALL HAVE A LENS COVER.
- PEDESTRIAN PHASE 8 SHALL BE A 4 SECOND LEADING PEDESTRIAN INTERVAL.
THIS WORK SHALL BE PAID FOR UNDER RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1.

LEGEND

- * = ROADWAY LIGHTING CABLE, SEE LIGHTING PLANS FOR CABLE TYPE
- RL = RELOCATE
- RB = RETROREFLECTIVE BACKPLATE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

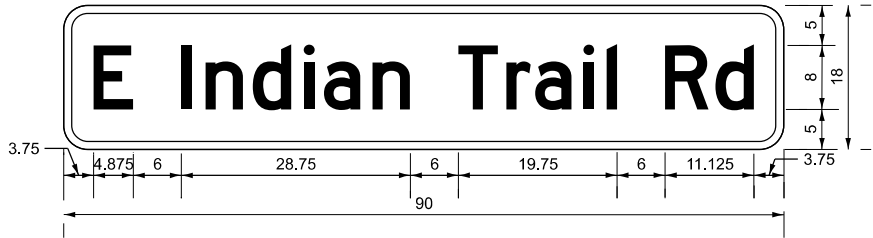
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
INDIAN TRAIL RD & E STONEBRIDGE BLVD

SCALE: NTS SHEET 23 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	84
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS FED. AID PROJECT				

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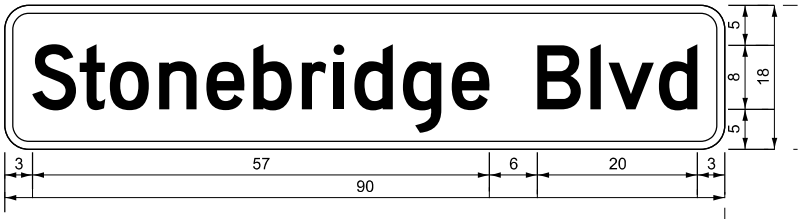
SIGN PANEL - TYPE 1 OR TYPE 2
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	1

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

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	11.25	2	ZZ	2

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	33.75
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	253
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	58
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	300
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	657
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1897
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2785
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	357
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	970
TRAFFIC SIGNAL POST, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
DRILL EXSTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
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	4
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET (SPECIAL)	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4772
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	793
ROD AND CLEAN EXISTING CONDUIT	FOOT	16
RELOCATE SWITCH	EACH	2
OUTDOOR RATED NETWORK CABLE	FOOT	216
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	2
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
LED SIGNAL FACE, LENS COVER	EACH	13
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	7
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

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4011 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert

DESIGNED - JRR

REVISED -

DRAWN - JRR

REVIS

REVISED -

PLOT SCALE = 0.16666633" / 1in.

CHECKED - AMK

REVISED -

PLOT DATE = 7/8/2026

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES
INDIAN TRAIL RD & E STONEBRIDGE BLVD

SCALE: NTS

SHEET 24

OF 30

SHEETS

STA.

TO STA.

F.A.U
RTE.

**

SECTION

23-00358-00-TL

COUNTY

KANE/DUPAGE

TOTAL
SHEETS

125

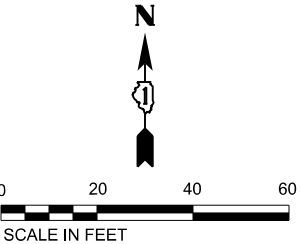
SHEET
NO.

85

** = FAU 1503 & 1509, MUN 1157

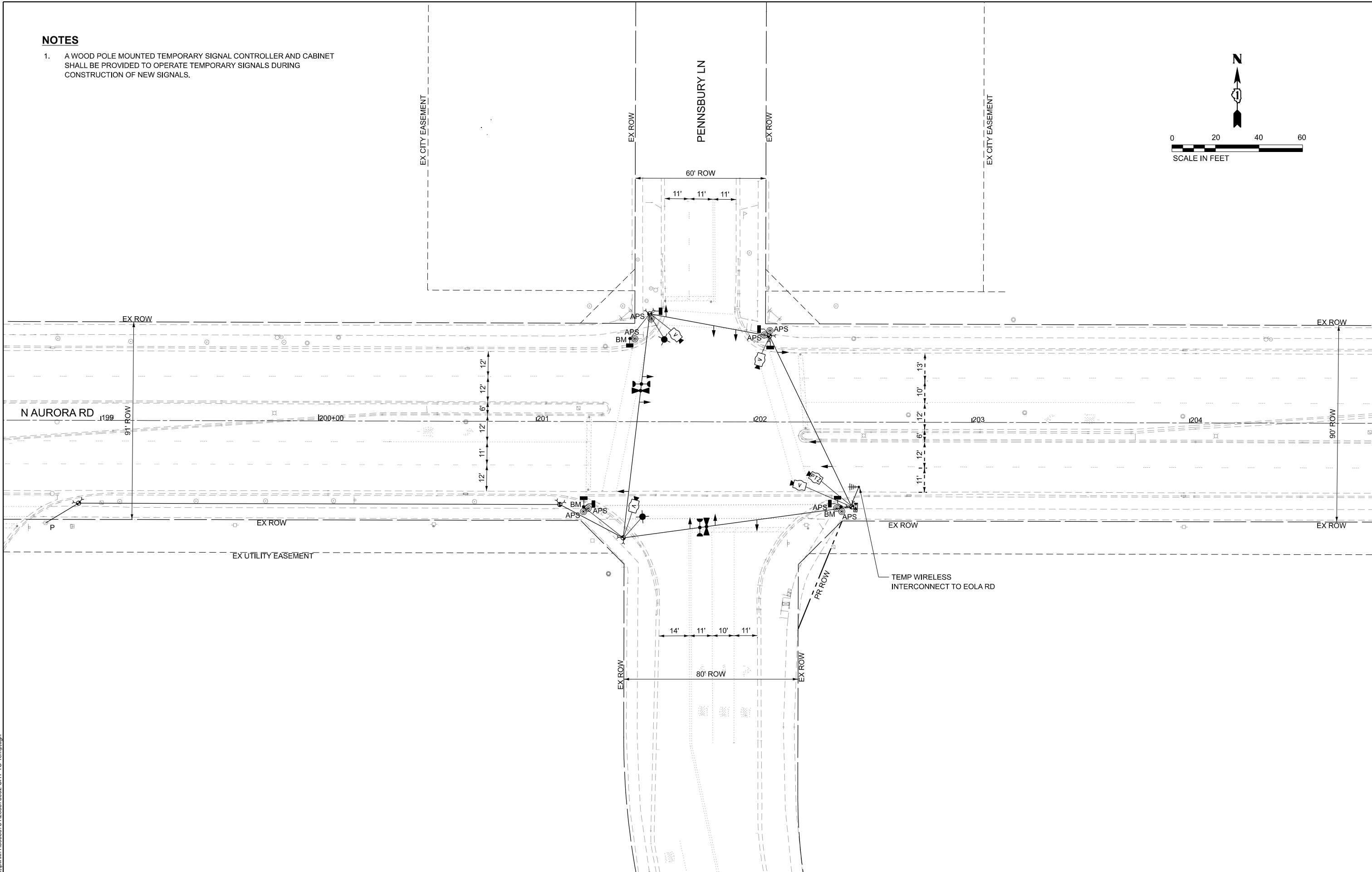
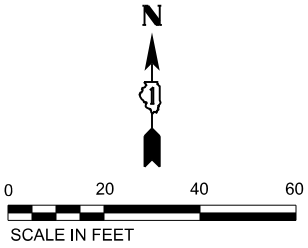
CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT



NOTES

1. A WOOD POLE MOUNTED TEMPORARY SIGNAL CONTROLLER AND CABINET SHALL BE PROVIDED TO OPERATE TEMPORARY SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.



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PHONE: 630-487-5555
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USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / 1ft.
PLOT DATE = 7/8/2026

DESIGNED -	JRR
DRAWN -	JRR
CHECKED -	AMK
DATE -	

REVISED -	
REVISED -	
REVISED -	
REVISED -	

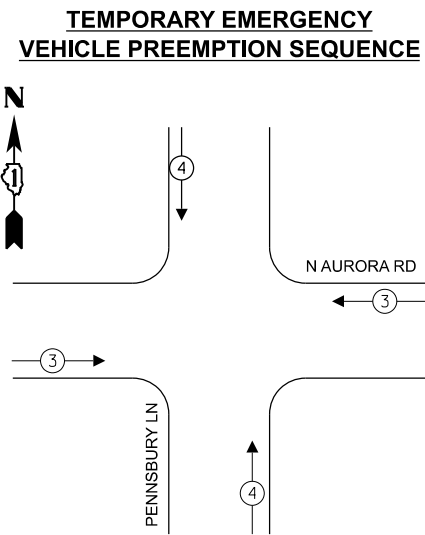
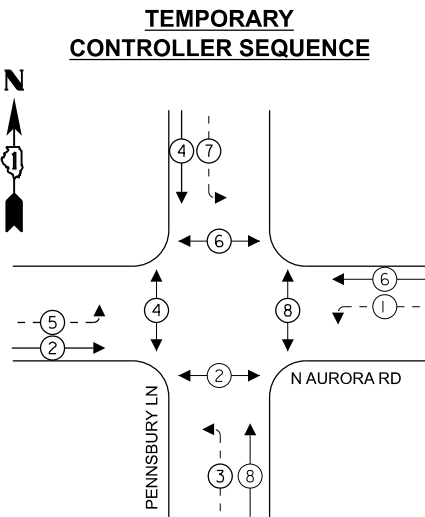
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL TEMPORARY PLAN
N AURORA RD & PENNSBURY LN

SCALE: 1"=20' SHEET 26 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	87
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

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LEGEND

- ← (⊛) — PROTECTED PHASE
- ← (⊛) — PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL OVERLAP
- [FYA] FLASHING YELLOW ARROW

NOTES

1. A TEMPORARY SIGNAL CONTROLLER SHALL BE PROVIDED TO OPERATE EXISTING SIGNALS DURING CONSTRUCTION OF NEW SIGNALS.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			664
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1269

LEGEND

* = ROADWAY LIGHTING CABLE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

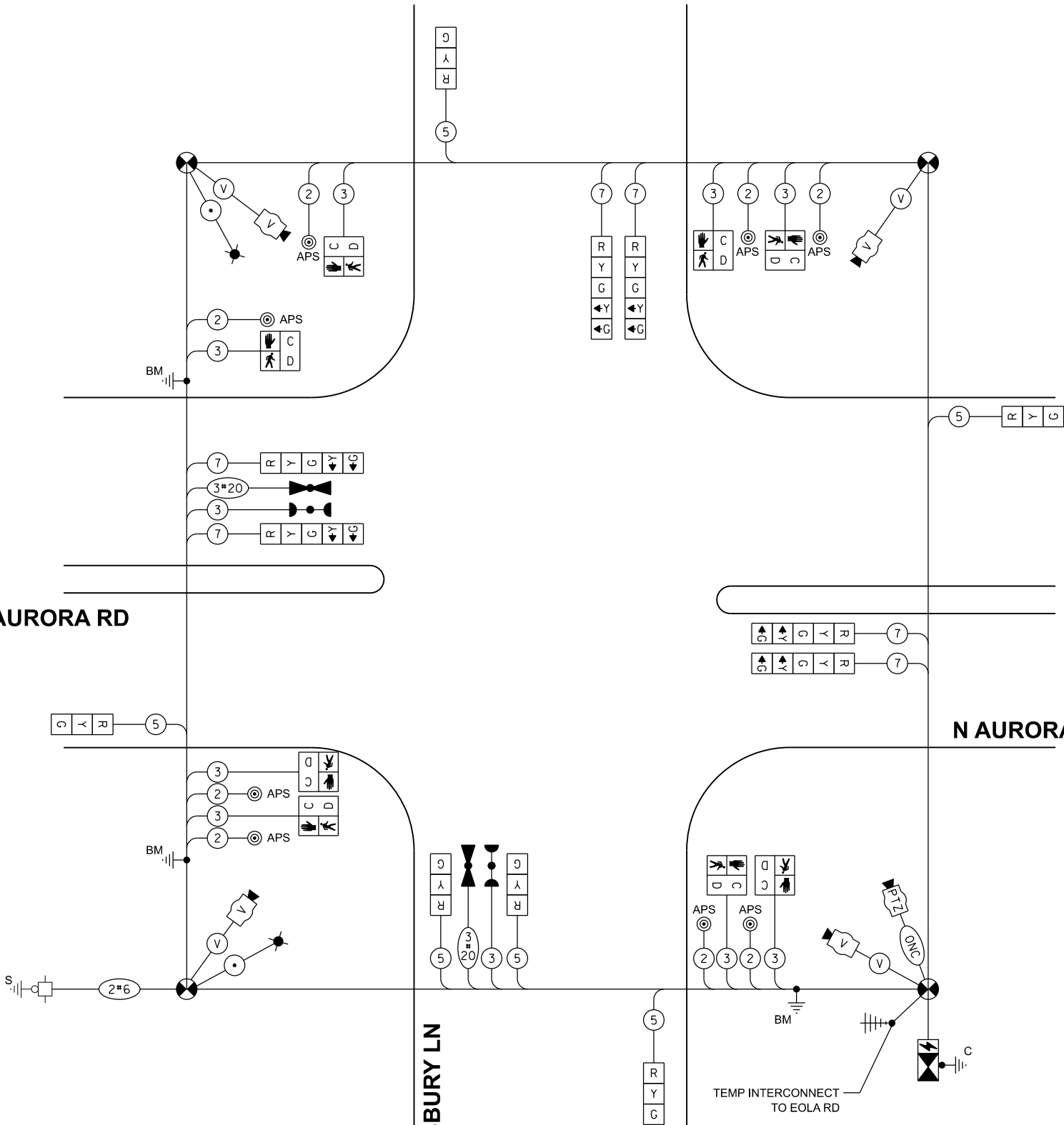
ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —

N AURORA RD

N AURORA RD

PENNSBURY LN

TEMPORARY CABLE PLAN (NOT TO SCALE)



MODEL: Cable_05_TEMP (Sheet)
FILE NAME: c:\p\m\1401536734\268378002-SHT-TS-Cable-TEMP.dgn

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4011 WILFRED ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

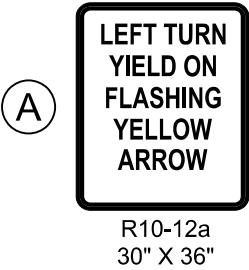
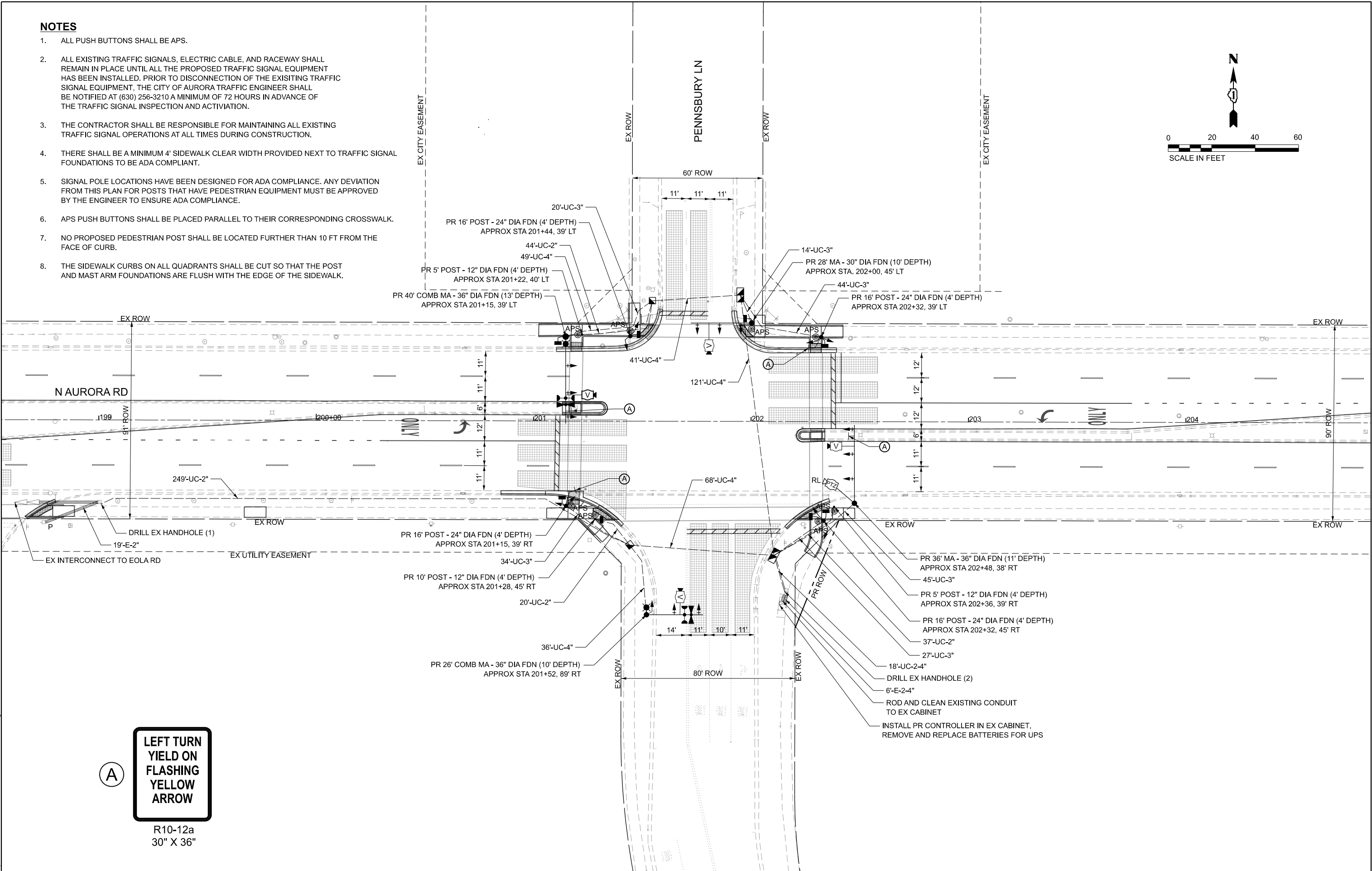
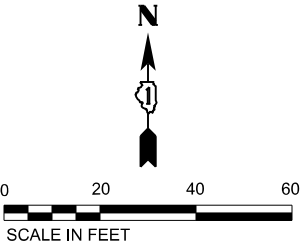
TEMPORARY CABLE PLAN, PHASE DESIGNATION, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE N AURORA RD & PENNSBURY LN

SCALE: NTS SHEET 27 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	88
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS FED. AID PROJECT				

NOTES

- ALL PUSH BUTTONS SHALL BE APS.
- ALL EXISTING TRAFFIC SIGNALS, ELECTRIC CABLE, AND RACEWAY SHALL REMAIN IN PLACE UNTIL ALL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT HAS BEEN INSTALLED. PRIOR TO DISCONNECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CITY OF AURORA TRAFFIC ENGINEER SHALL BE NOTIFIED AT (630) 256-3210 A MINIMUM OF 72 HOURS IN ADVANCE OF THE TRAFFIC SIGNAL INSPECTION AND ACTIVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING TRAFFIC SIGNAL OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
- THERE SHALL BE A MINIMUM 4' SIDEWALK CLEAR WIDTH PROVIDED NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- SIGNAL POLE LOCATIONS HAVE BEEN DESIGNED FOR ADA COMPLIANCE. ANY DEVIATION FROM THIS PLAN FOR POSTS THAT HAVE PEDESTRIAN EQUIPMENT MUST BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
- APS PUSH BUTTONS SHALL BE PLACED PARALLEL TO THEIR CORRESPONDING CROSSWALK.
- NO PROPOSED PEDESTRIAN POST SHALL BE LOCATED FURTHER THAN 10 FT FROM THE FACE OF CURB.
- THE SIDEWALK CURBS ON ALL QUADRANTS SHALL BE CUT SO THAT THE POST AND MAST ARM FOUNDATIONS ARE FLUSH WITH THE EDGE OF THE SIDEWALK.



MODEL: TS_05 MODERNIZATION [Sheet]
FILE NAME: C:\pwwork1\003574\268378002-SHT-TS-Modernization.dgn

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4011 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6500
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 1/In.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

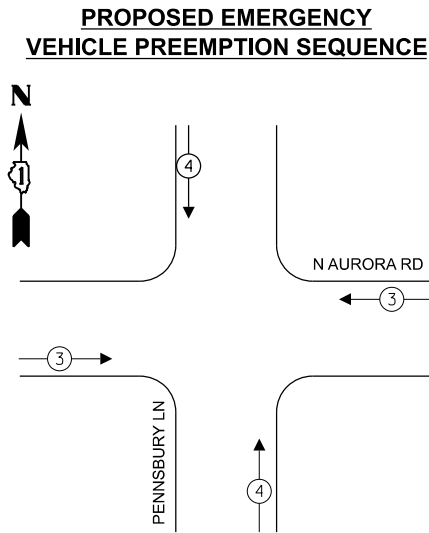
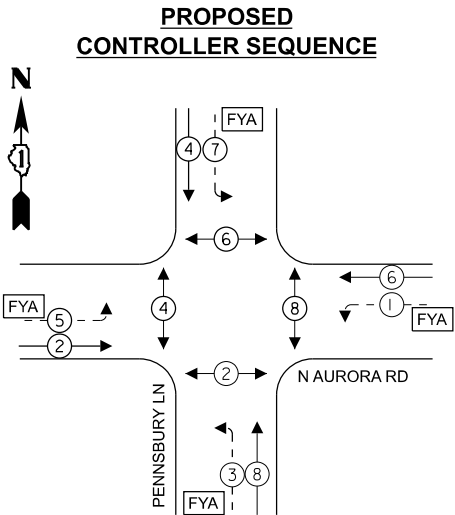
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
N AURORA RD & PENNSBURY LN

SCALE: 1"=20' SHEET 28 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	89
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- ← (⊛) — PROTECTED PHASE
- ← - (⊛) - — PROTECTED/PERMITTED PHASE
- ↔ (⊛) ↔ — PEDESTRIAN PHASE
- ↔ (⊛ OL) — OVERLAP
- [FYA] — FLASHING YELLOW ARROW

NOTES

- ALL RED SIGNAL HEADS SHALL HAVE A LENS COVER.
- PEDESTRIAN PHASE 8 SHALL BE A 4 SECOND LEADING PEDESTRIAN INTERVAL.
THIS WORK SHALL BE PAID FOR UNDER RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	8	14	112
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH LAYER II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			694
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	2	240	480
TOTAL SERVICE WIRE SIZING			1779

LEGEND

- * = ROADWAY LIGHTING CABLE, SEE LIGHTING PLANS FOR CABLE TYPE
- RB = RETROREFLECTIVE BACKPLATE

ENERGY COSTS TO:
CITY OF AURORA
44 E DOWNER PLACE
AURORA, IL 60507

ENERGY SUPPLY: CONTACT: MARK SCHERIBEL
PHONE: (630) 723-2128
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: —

N AURORA RD

PENNSBURY LN

**CABLE PLAN
(NOT TO SCALE)**

MODEL: Cable_05 (Sheet)
FILE NAME: c:\pwork\1003536734\268378002-SHT-TS-Cable.dgn

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4011 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED - JRR
DRAWN - JRR
CHECKED - AMK
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

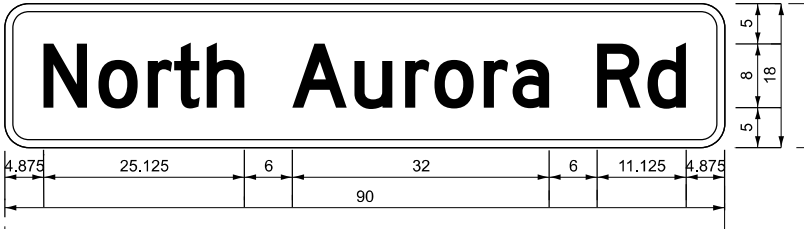
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE
N AURORA RD & PENNSBURY LN**

SCALE: NTS SHEET 29 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	90
** = FAU 1503 & 1509, MUN 1157 CONTRACT NO. 61M10				
ILLINOIS FED. AID PROJECT				

SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

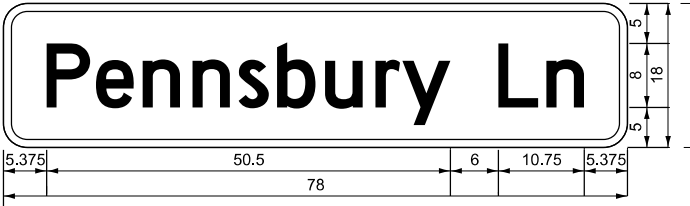


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2

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

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	9.75	2	ZZ	2

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
SIGN PANEL - TYPE 2	SQ FT	42
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	350
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	184
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	351
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1652
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2275
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2808
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2166
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2388
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	34
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET 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
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET (SPECIAL)	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4686
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	353
ROD AND CLEAN EXISTING CONDUIT	FOOT	12
RELOCATE SWITCH	EACH	2
OUTDOOR RATED NETWORK CABLE	FOOT	164
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
LED SIGNAL FACE, LENS COVER	EACH	19
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	11
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL: SIGNAGE [Street]
FILE NAME: c:\paw\k11d\5356734\268378002-SHT-TS-Signs.dgn

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4011 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-467-6500
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633" / 1in.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

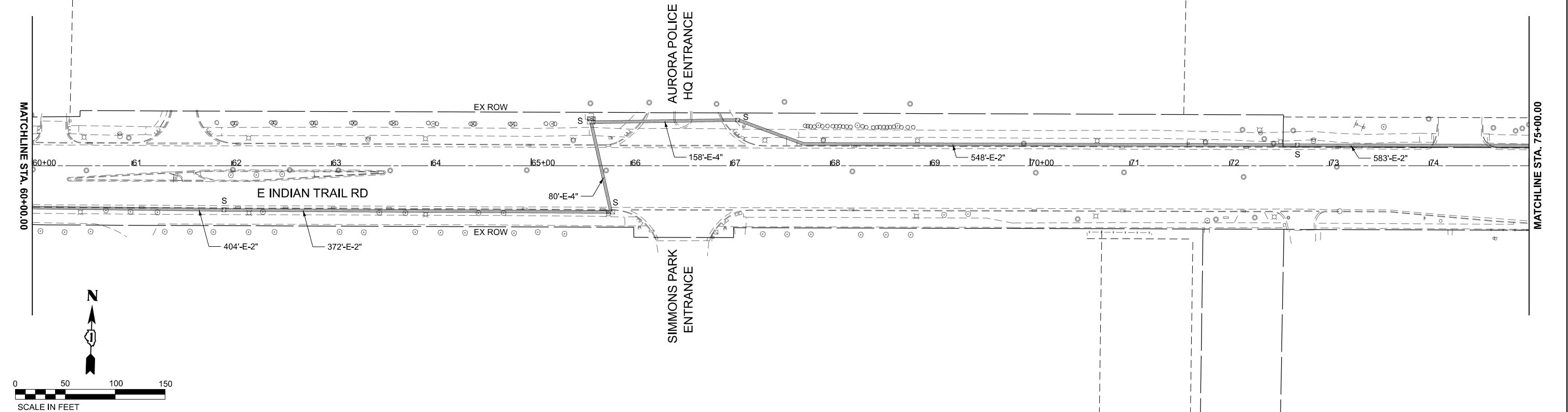
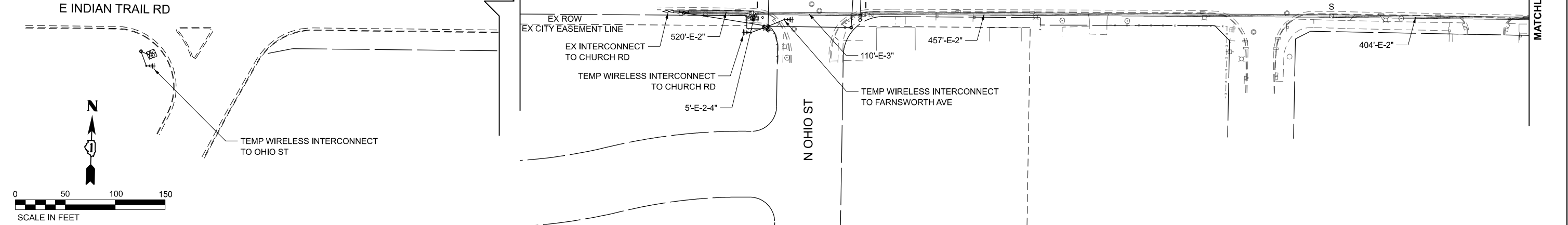
MAST ARM MOUNTED STREET NAME SIGNS & SCHEDULE OF QUANTITIES
N AURORA RD & PENNSBURY LN

SCALE: NTS SHEET 30 OF 30 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	91
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

NOTES

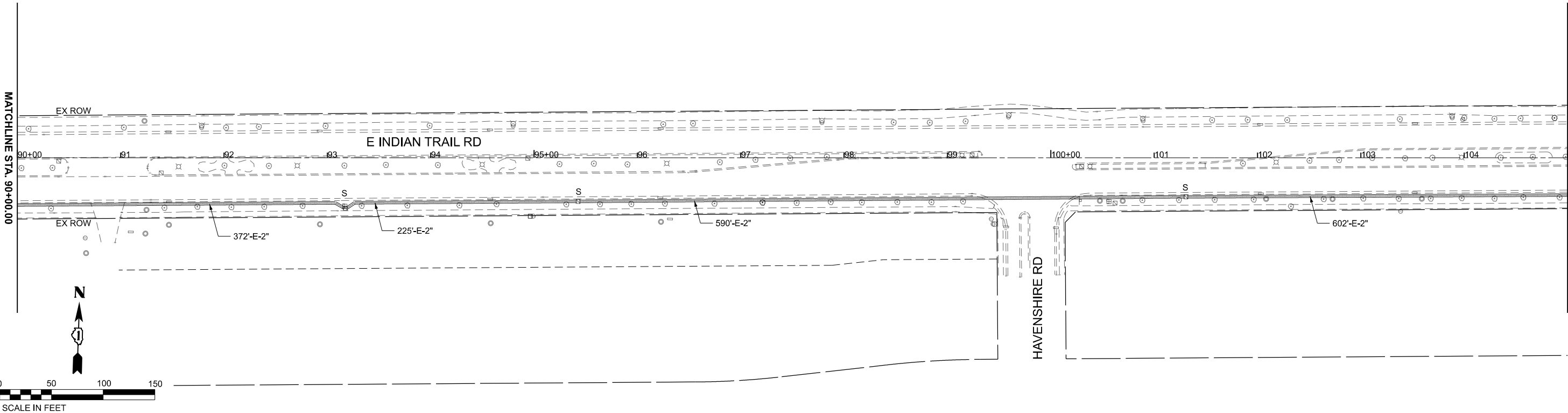
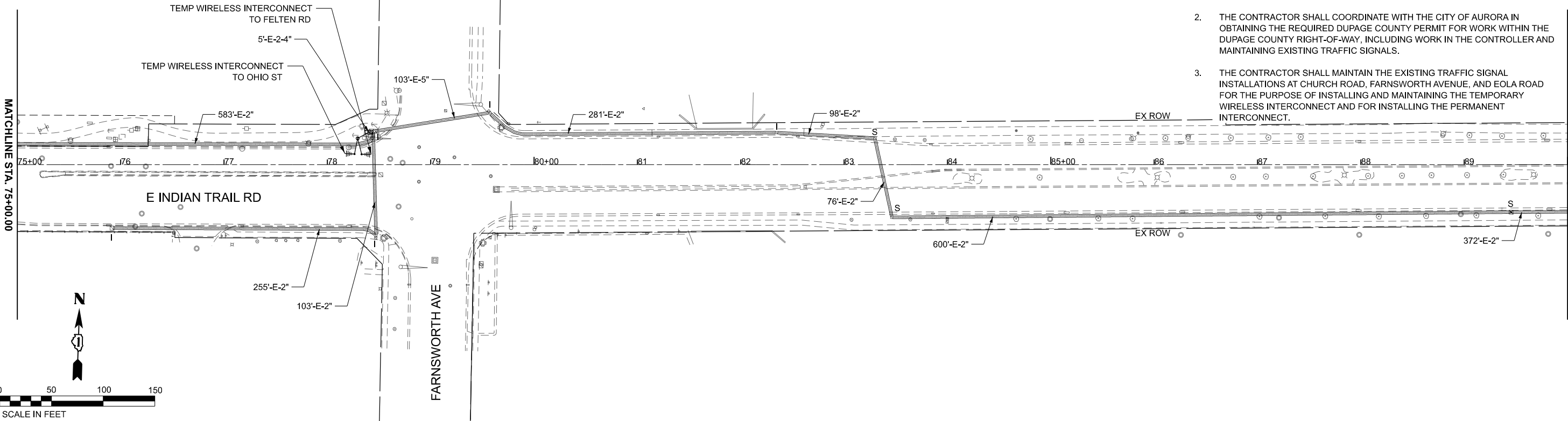
1. THE COUNTY AND CITY SERVER-TO-SERVER TRAFFIC SIGNAL SYSTEM CONNECTION, WHICH IS LOCATED AT E INDIAN TRAIL ROAD AND EOLA ROAD, SHALL BE MAINTAINED THROUGH THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE DUPAGE COUNTY TRAFFIC ENGINEER TO REQUEST NETWORK CONFIGURATION DETAILS ON THE COUNTY NETWORK.
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3. THE CONTRACTOR SHALL MAINTAIN THE EXISTING TRAFFIC SIGNAL INSTALLATIONS AT CHURCH ROAD, FARNSWORTH AVENUE, AND EOLA ROAD FOR THE PURPOSE OF INSTALLING AND MAINTAINING THE TEMPORARY WIRELESS INTERCONNECT AND FOR INSTALLING THE PERMANENT INTERCONNECT.



Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 401 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60055 PHONE: 630-487-6555 WWW.KIMLEY-HORN.COM	USER NAME = Jackson.Robbert		DESIGNED - KKH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT & COMMUNICATION PLANS				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - KKH		REVIS	REVISED -		**	23-00358-00-TL	KANE/DUPAGE	125	92					
	PLOT SCALE = 0.16666633" / 1In.		CHECKED - AMK	REVISED -		** = FAU 1503 & 1509, MUN 1157									
	PLOT DATE = 7/8/2026		DATE -	REVISED -		CONTRACT NO. 61M10									
			SCALE: 1"=50'										SHEET 1	OF 12 SHEETS	STA. 45+00.00

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4011 WILFORD ROAD, SUITE 300
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PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert	DESIGNED	- KKH	REVISED	-
		DRAWN	- KKH	REVISED	-
PLOT SCALE	= 0.16666633" / 1in.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

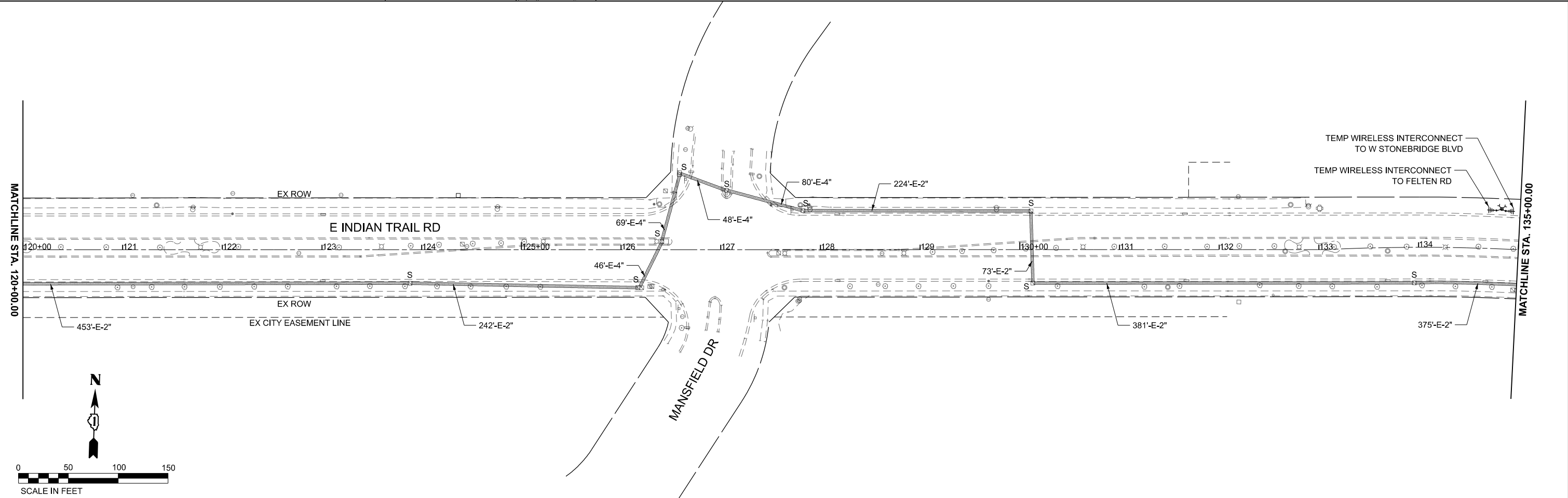
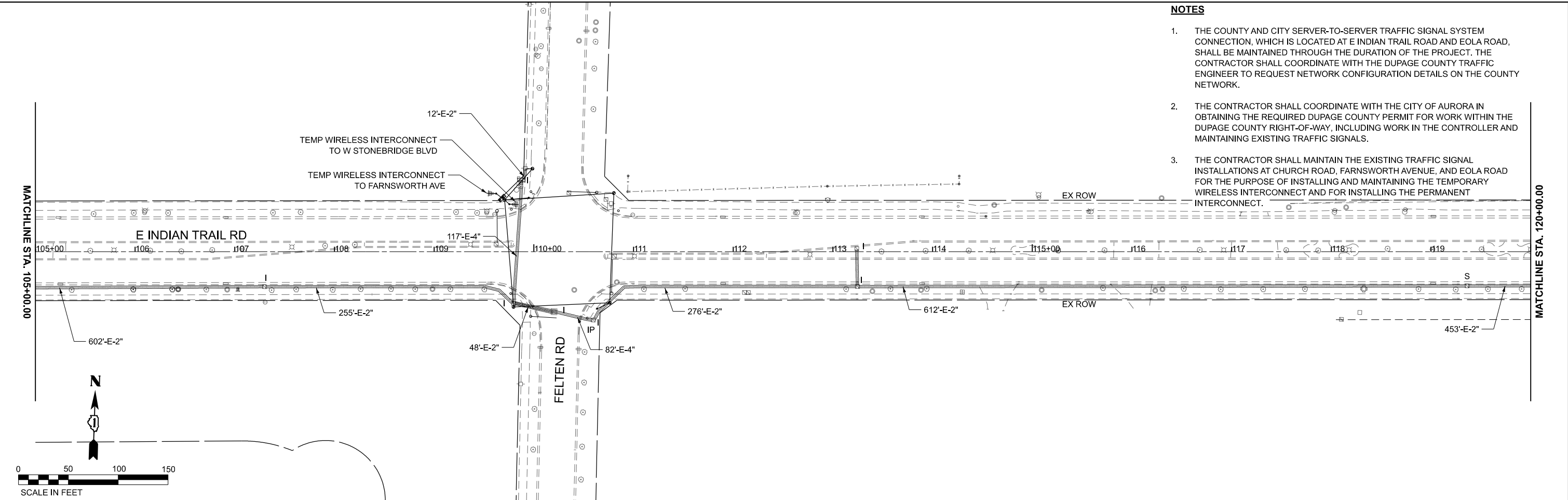
TEMPORARY INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 2 OF 12 SHEETS STA. 75+00.00 TO STA. 90+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	93
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

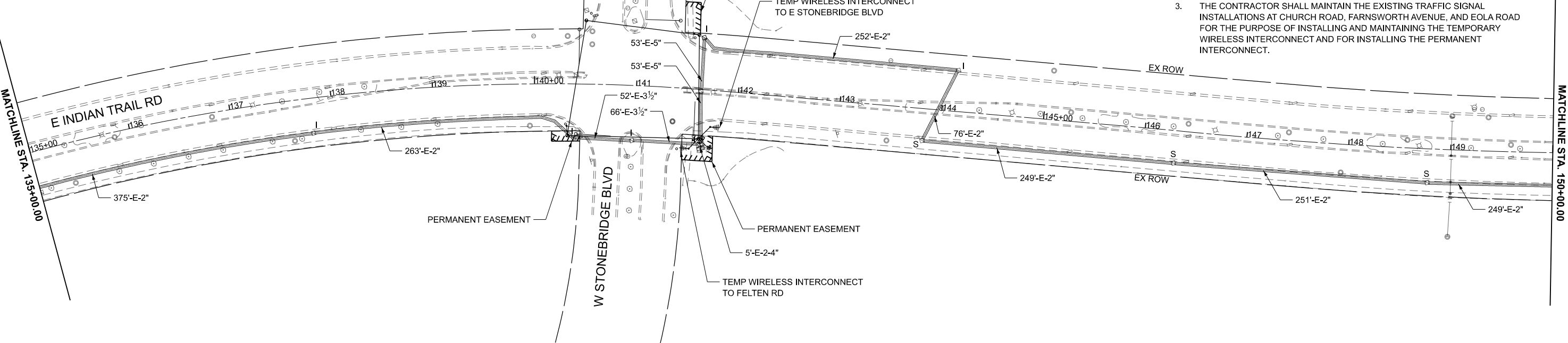
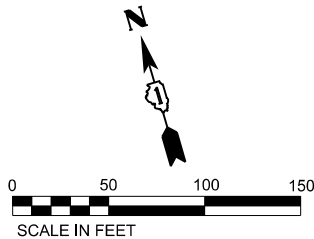
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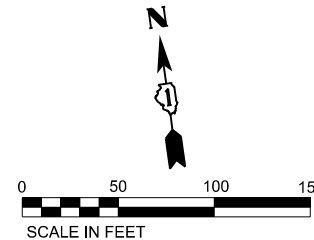
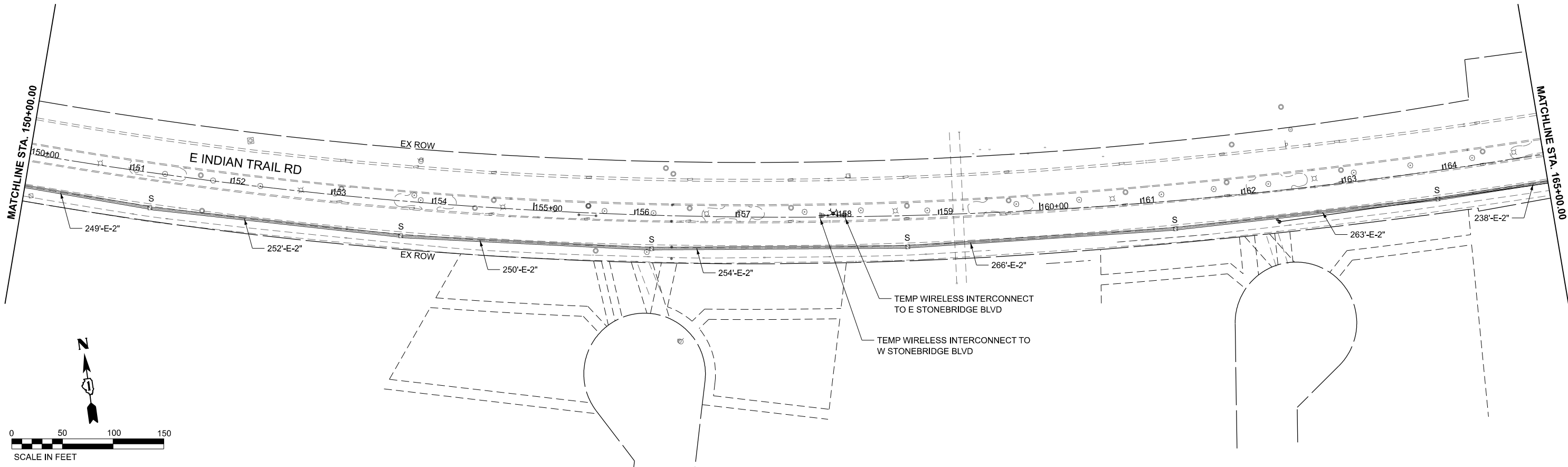
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Kimley»Horn © 2023 KIMLEY-HORN AND ASSOCIATES, INC. 4011 WINDFIELD ROAD, SUITE 600 WARRENVILLE, IL 60055 PHONE: 630-487-6555 WWW.KIMLEY-HORN.COM	USER NAME = Jackson.Robbert		DESIGNED - KKH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT & COMMUNICATION PLANS					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - KKH	REVISED -		INDIAN TRAIL RD					**	23-00358-00-TL	KANE/DUPAGE	125	94
	PLOT SCALE = 0.16666633" / 1in.		CHECKED - AMK	REVISED -		SCALE: 1"=50'					** = FAU 1503 & 1509, MUN 1157				
	PLOT DATE = 7/8/2026		DATE -	REVISED -		SHEET 3 OF 12 SHEETS					CONTRACT NO. 61M10				
											ILLINOIS FED. AID PROJECT				



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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 "/td>
PLOT DATE	= 7/8/2026

DESIGNED	- KKH
DRAWN	- KKH
CHECKED	- AMK
DATE	-

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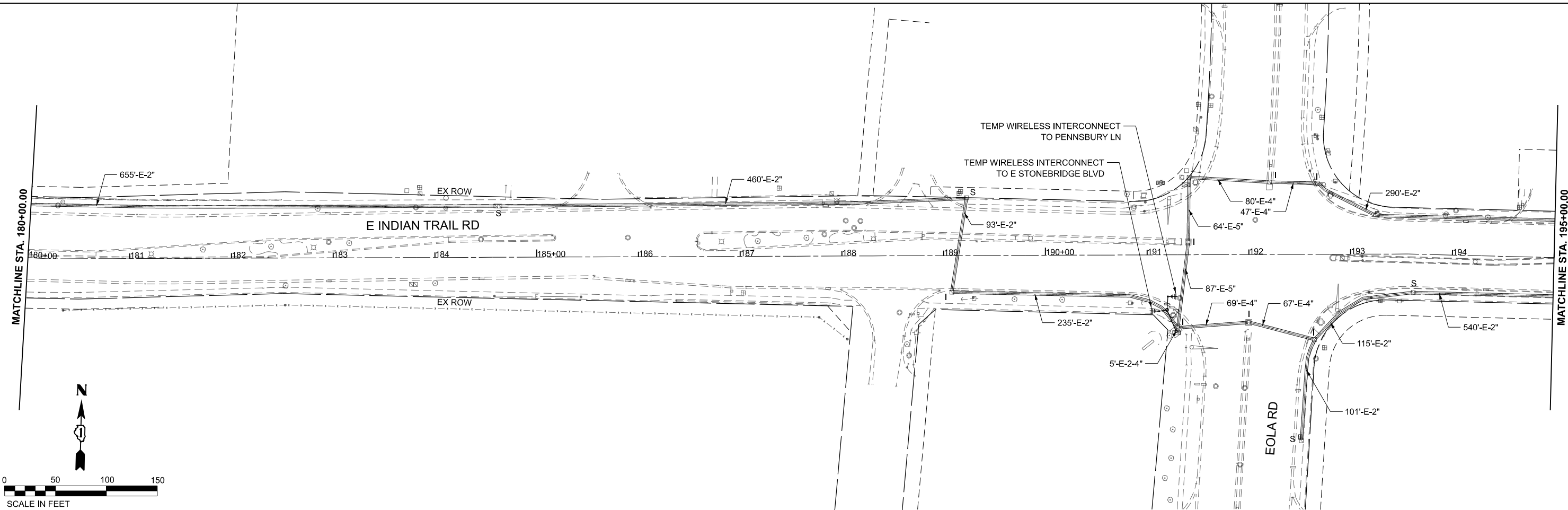
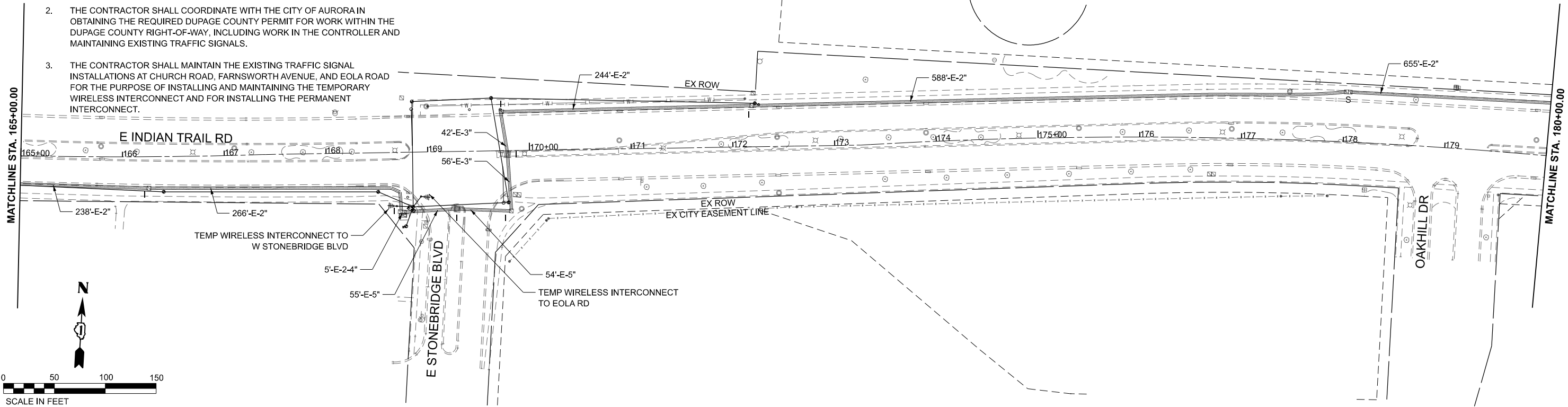
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD
SCALE: 1"=50' SHEET 4 OF 12 SHEETS STA. 135+00.08 TO STA. 150+00.02

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	95
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

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MODEL: Plan_E
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PHONE: 630-487-6555
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USER NAME	= Jackson.Robbert	DESIGNED	- KKH	REVISED	-
DRAWN	- KKH	REVISED	-		
PLOT SCALE	= 0.16666633' / In.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

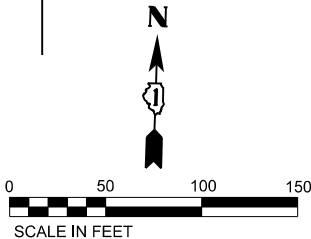
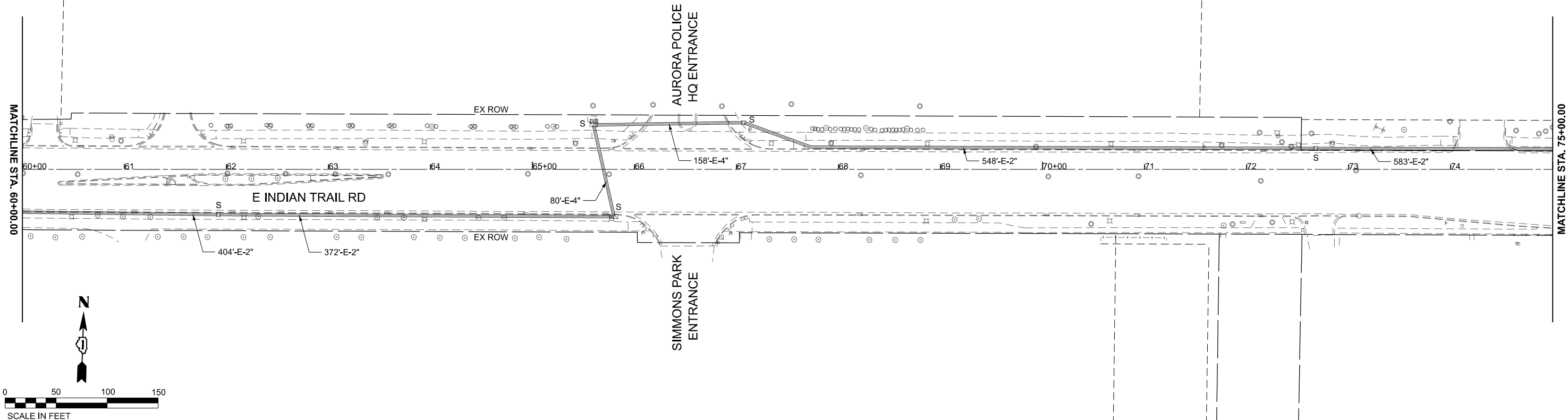
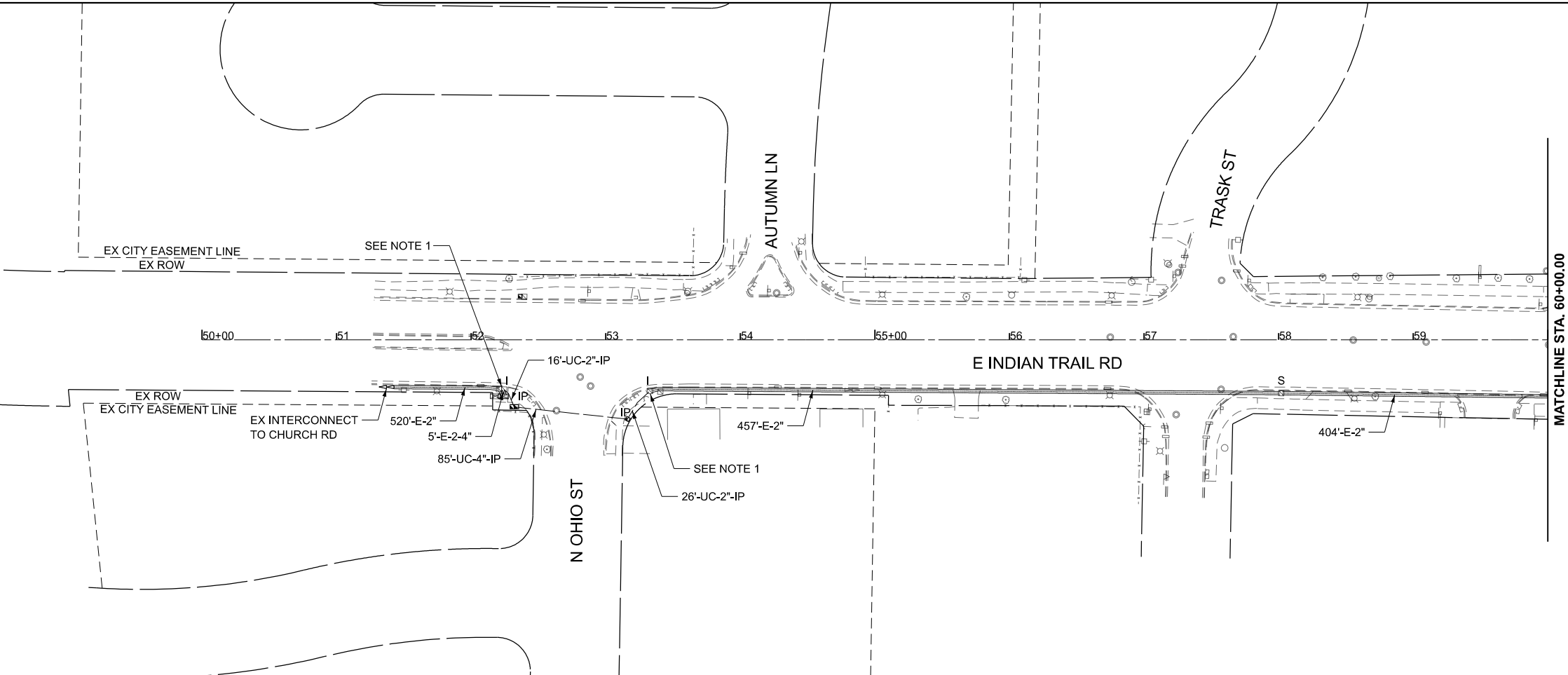
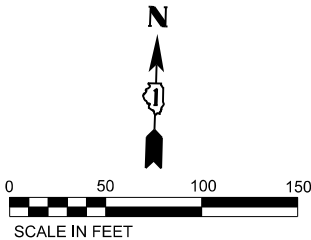
TEMPORARY INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 5 OF 12 SHEETS STA. 165+00.01 TO STA. 180+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	96
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

NOTES

1. SPLICE PROPOSED FIBER INTO EXISTING MAINLINE INTERCONNECT. PAID FOR AS "FIBER OPTIC CABLE SPLICE - MAINLINE". SEE CABLE PLAN FOR PROPOSED INTERCONNECT CABLES.
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401 WILFORD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-4555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert	DESIGNED -	JRR	REVISED -	
		DRAWN -	JRR	REVISED -	
PLOT SCALE	= 0.16666633' / In.	CHECKED -	AMK	REVISED -	
PLOT DATE	= 7/8/2026	DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

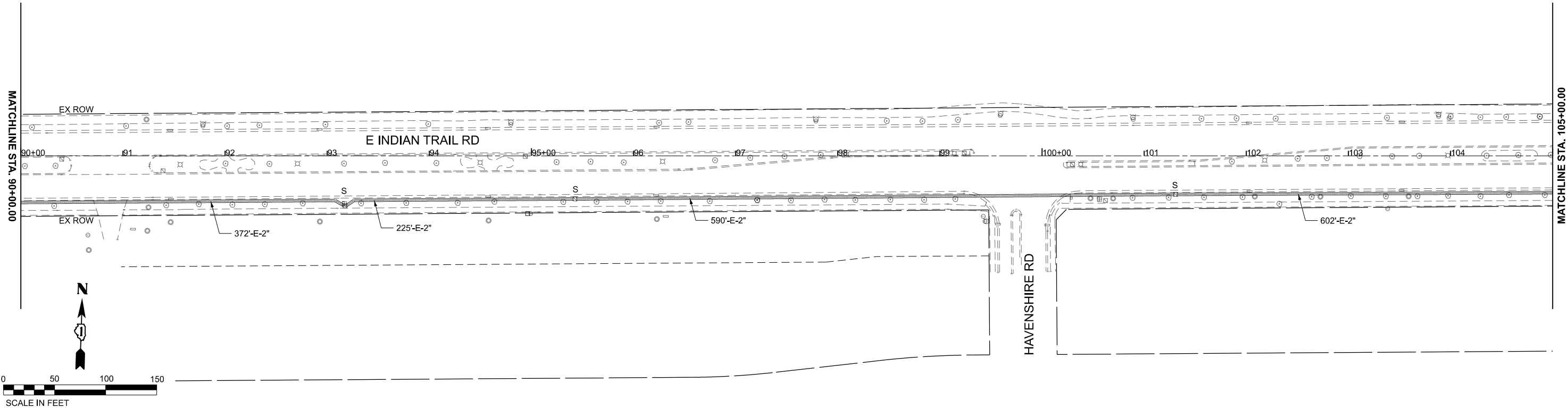
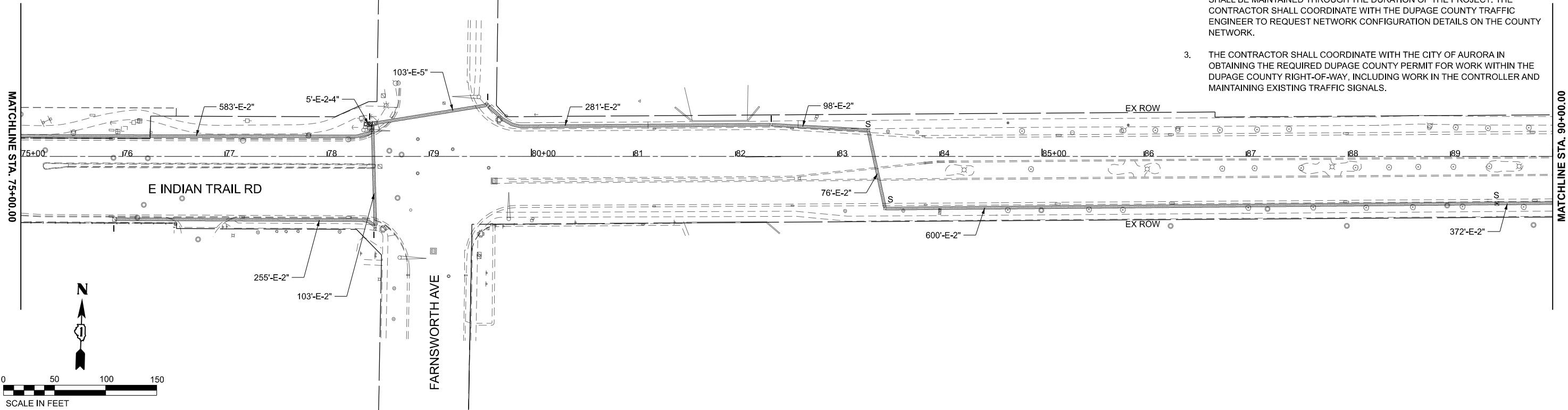
PROPOSED INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 7 OF 12 SHEETS STA. 45+00.00 TO STA. 60+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	98
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	

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USER NAME	= Jackson.Robbert	DESIGNED	- JRR	REVISED	-
DRAWN	- JRR	REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633" / 1ft.	CHECKED	- AMK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

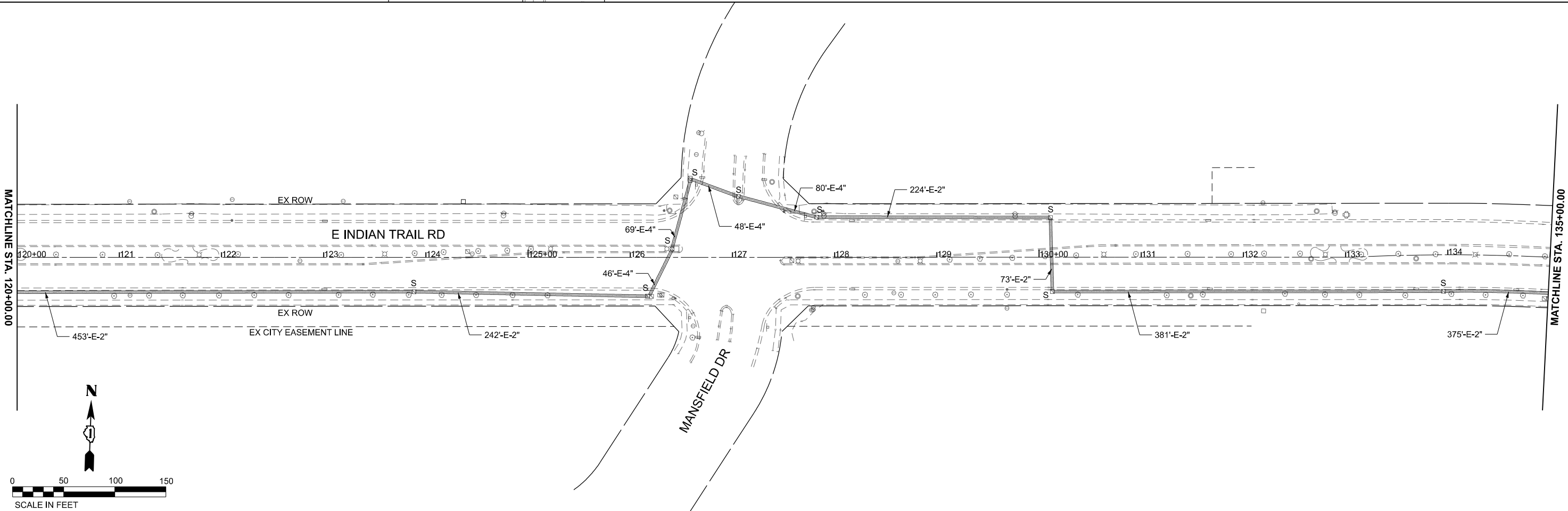
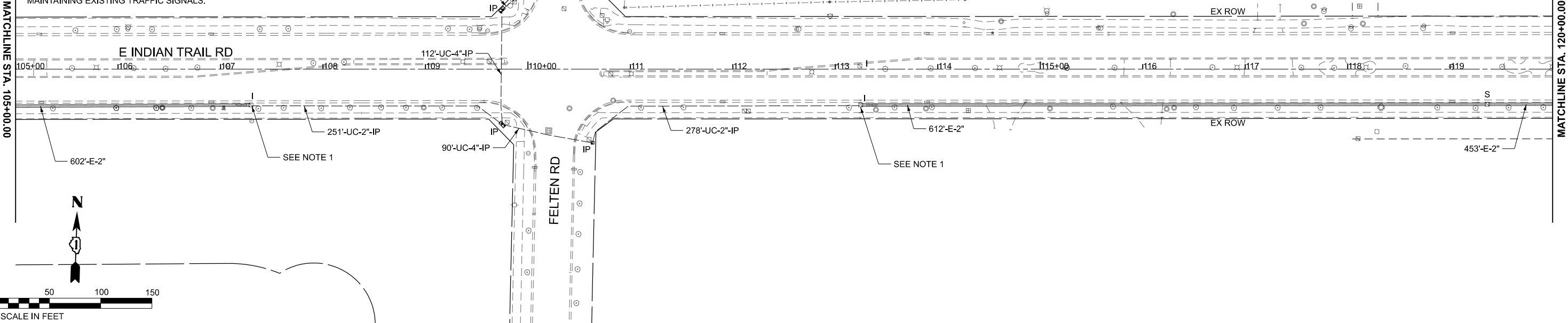
PROPOSED INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 8 OF 12 SHEETS STA. 75+00.00 TO STA. 90+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	99
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

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PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633" / 1in.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
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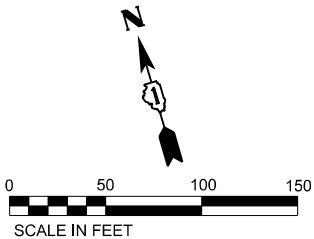
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

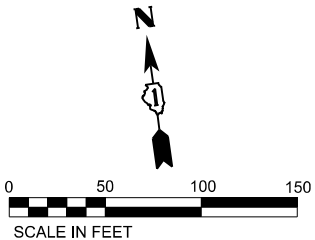
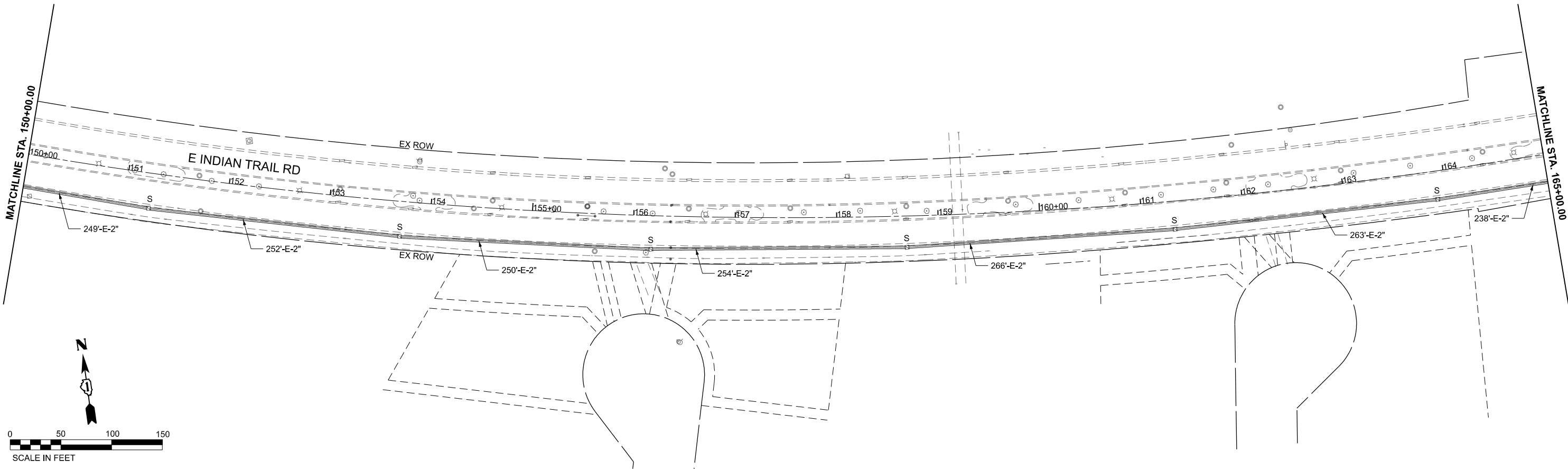
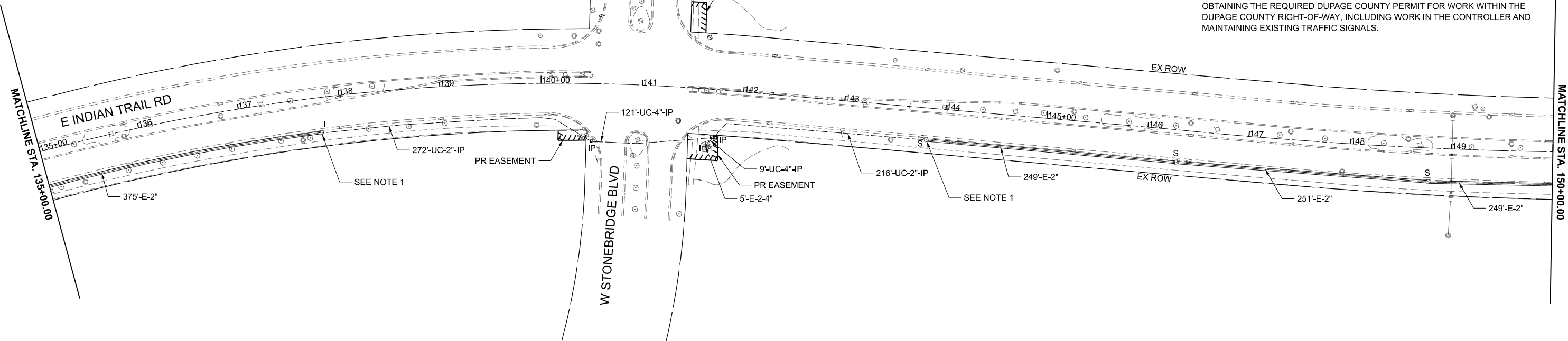
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	100
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



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MODEL: Plan_D
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PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.166666633" / 1in.
PLOT DATE	= 7/8/2026

DESIGNED -	JRR
DRAWN -	JRR
CHECKED -	AMK
DATE -	

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REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

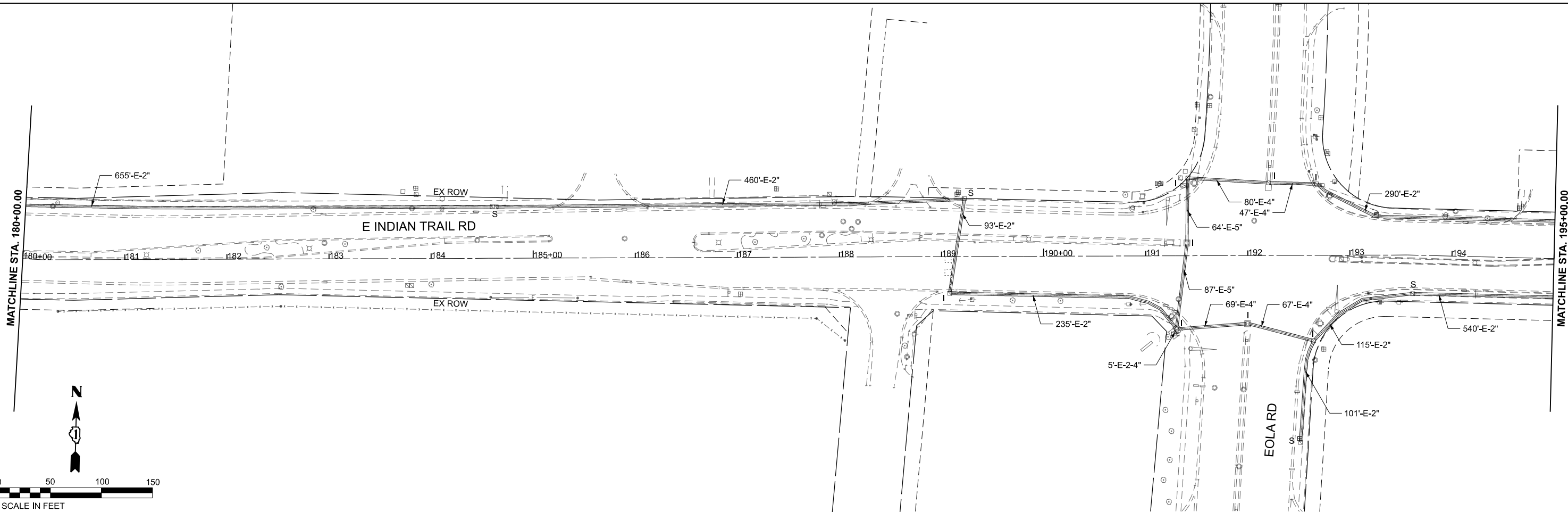
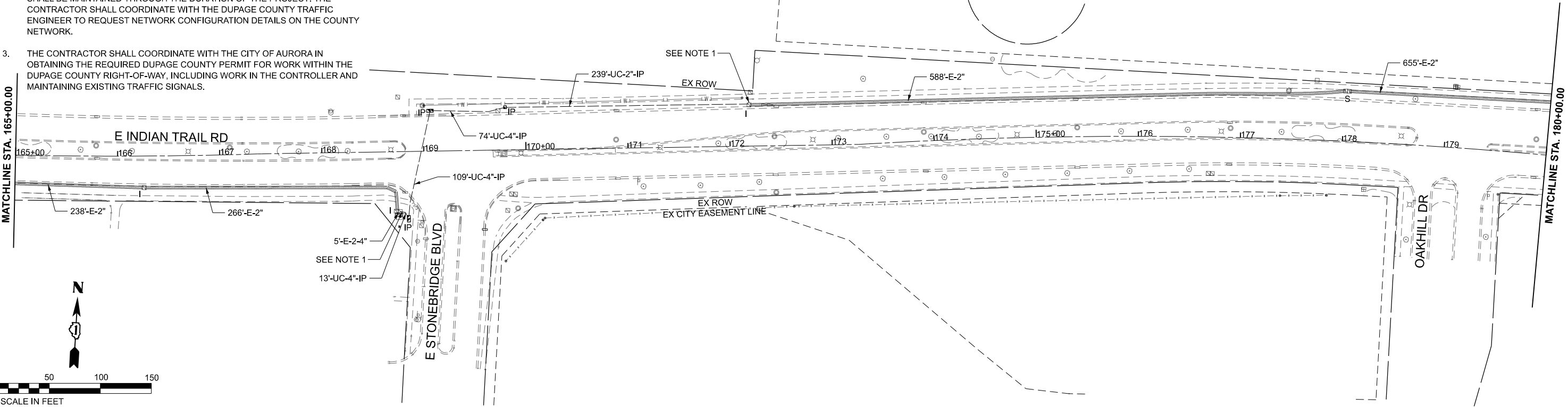
PROPOSED INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 10 OF 12 SHEETS STA. 135+00.08 TO STA. 150+00.02

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	101
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 "/in.
PLOT DATE	= 7/8/2026

DESIGNED	- JRR
DRAWN	- JRR
CHECKED	- AMK
DATE	-

REVISED	-
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REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

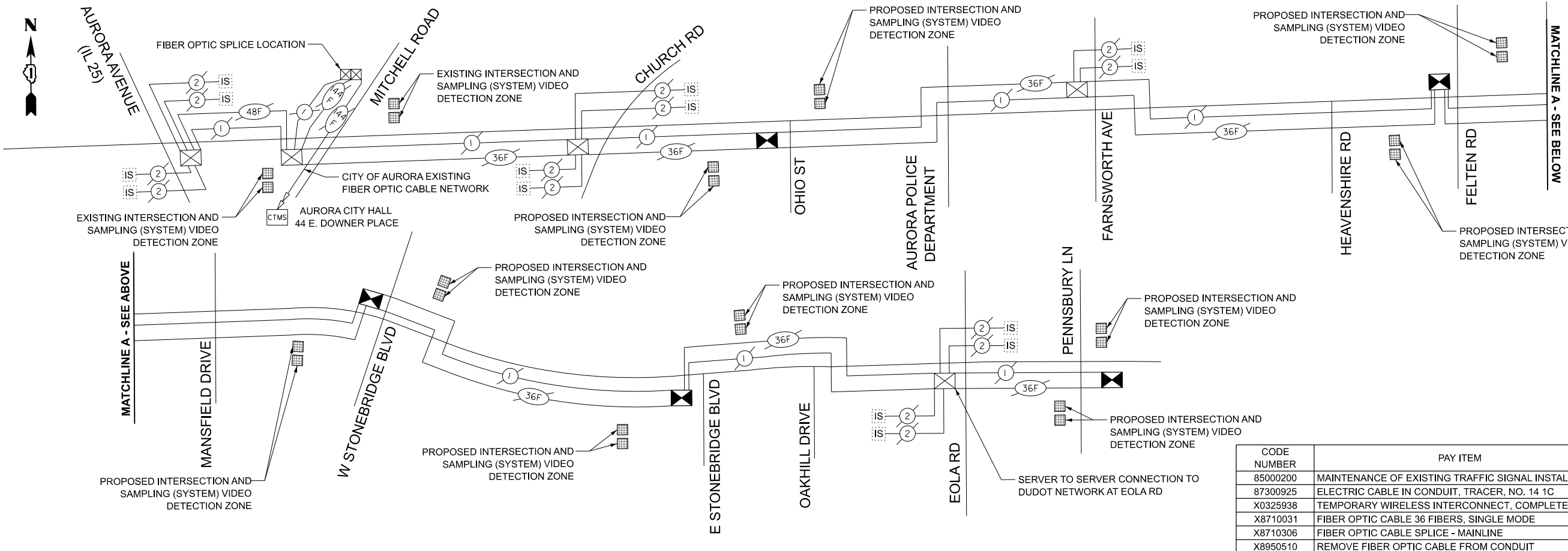
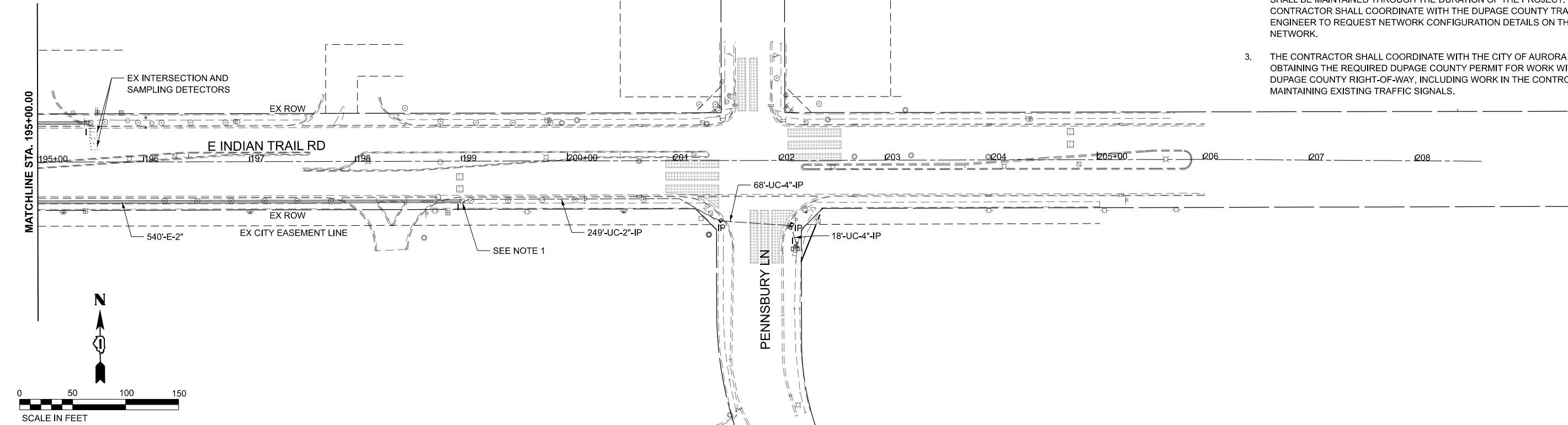
PROPOSED INTERCONNECT & COMMUNICATION PLANS
INDIAN TRAIL RD

SCALE: 1"=50' SHEET 11 OF 12 SHEETS STA. 165+00.01 TO STA. 180+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	102
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

NOTES

- SPLICE PROPOSED FIBER INTO EXISTING MAINLINE INTERCONNECT. PAID FOR AS "FIBER OPTIC CABLE SPLICE - MAINLINE". SEE CABLE PLAN FOR PROPOSED INTERCONNECT CABLES.
- THE COUNTY AND CITY SERVER-TO-SERVER TRAFFIC SIGNAL SYSTEM CONNECTION, WHICH IS LOCATED AT E INDIAN TRAIL ROAD AND EOLA ROAD, SHALL BE MAINTAINED THROUGH THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE DUPAGE COUNTY TRAFFIC ENGINEER TO REQUEST NETWORK CONFIGURATION DETAILS ON THE COUNTY NETWORK.
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF AURORA IN OBTAINING THE REQUIRED DUPAGE COUNTY PERMIT FOR WORK WITHIN THE DUPAGE COUNTY RIGHT-OF-WAY, INCLUDING WORK IN THE CONTROLLER AND MAINTAINING EXISTING TRAFFIC SIGNALS.



CODE NUMBER	PAY ITEM	UNIT	QUANTITY
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2300
X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1
X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	2300
X8710306	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	9
X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	2500

USER NAME = Jackson.Robbert	DESIGNED - JRR	REVISED -
	DRAWN - JRR	REVISED -
PLOT SCALE = 0.16666633" / 1in.	CHECKED - AMK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	103
** = FAU 1503 & 1509, MUN 1157				CONTRACT NO. 61M10
ILLINOIS				FED. AID PROJECT

- CONTRACTOR SHALL BE FULLY INFORMED OF ALL EXISTING CONDITIONS THAT AFFECT THE WORK AND COST OF THE INTENDED WORK. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND EXAMINE THE DRAWINGS AS THEY RELATE TO SITE CONDITIONS. BIDDERS WHO DO NOT VISIT THE SITE MAY BE UNILATERALLY NOT PERMITTED TO SUBMIT A BID IF THE CITY SO DECIDES.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN A FULL SET OF PLANS AND SPECIFICATIONS FROM THE GENERAL CONTRACTOR PRIOR TO BID. ELECTRICAL CONTRACTOR SHALL FULLY UNDERSTAND DESIGN PRIOR TO BID. ANY ALLEGED MISUNDERSTANDING OF THE SCOPE, DESIGN OR WORK TO BE PERFORMED WILL REMOVE CONSIDERATION FOR SELECTION. SELECTED ELECTRICAL CONTRACTOR SHALL BE IN FULL AGREEMENT TO THE ITEMS AND CONDITIONS INDICATED IN THE PLANS AND SPECIFICATIONS. ANY DISCREPANCIES OR OMISSIONS FOUND IN THE CONTRACT DOCUMENTS OR DOUBT AS TO THE INTENT SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER OR PROJECT MANAGER. WHERE CLARIFICATION CAN NOT BE PROVIDED PRIOR TO BID, CONTRACTOR SHALL ASSUME THE MORE EXPENSIVE METHOD FOR BID.
- CONTRACTOR SHALL INSTALL NEW CABLE AND CONDUIT TO NEW COMBINATION POLES. CONTRACTOR SHALL INSTALL HANDHOLES TO SPLICE WIRING TO RUN CABLE TO NEW LUMINAIRES.
- MATERIAL AND LABOR EXCLUDED BY THE ELECTRICAL CONTRACTOR SHALL NOT RELIEVE THE GENERAL CONTRACTOR FROM PROVIDING THE SAME. SUMMARY OF QUANTITIES DOES NOT INCLUDE ACCESSORIES AND INTERMEDIATE MATERIAL. CONDUIT/CABLE LENGTHS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE QUANTITY AND LENGTHS IN THE FIELD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FULLY COMPLETE AND FUNCTIONAL SYSTEM AS INTENDED IN THE PLANS. ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, EQUIPMENT, ACCESSORIES AND PERMITS SHALL BE FURNISHED BY THE CONTRACTOR. CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF COORDINATION WITH ALL OTHER TRADES IN ORDER TO COMPLETE THE WORK INTENDED. ALL COORDINATION ITEMS RESULTING IN ADDITIONAL EXPENSE SHALL NOT BE EXPENSED TO THE OWNER. DRAWINGS AND SPECIFICATIONS DO NOT INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT OR LABOR REQUIRED TO PRODUCE A COMPLETE AND PROPERLY OPERATING INSTALLATION.
- CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS, LICENSES AND INSPECTIONS AS REQUIRED BY LOCAL AND NATIONAL REGULATIONS. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR EXPENSES CREATED IN CONNECTION WITH THE WORK.
- CONTRACTOR SHALL NOT CONCEAL ANY WORK UNTIL APPROVED BY ELECTRICAL INSPECTOR OR ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS INCLUDING ACCORDANCE WITH THE LATEST ADOPTED NATIONAL ELECTRICAL CODE (NEC) AND ALL ADDITIONAL REQUIREMENTS BY LOCAL AHJ.
- ALL WORKMANSHIP SHALL BE NEAT AND ORGANIZED IN ACCORDANCE WITH APPLICABLE STANDARDS AND SHALL BE SUBJECT TO APPROVAL OF THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE. RACEWAY, FIXTURES AND WIRING DEVICES SHALL BE PROPERLY ALIGNED, LEVELED AND SUPPORTED.
- FINAL LOCATION OF EQUIPMENT AND DEVICES TO BE FIELD COORDINATED WITH CITY AND/OR CITY'S REPRESENTATIVE. STUB-UP LOCATIONS FOR ALL UNDER SLAB CONDUITS SHALL BE FIELD LOCATED.
- CONTRACTOR SHALL COORDINATE ALL TEMPORARY INTERRUPTIONS TO POWER WITH ALL AFFECTED PARTIES PRIOR TO INTERRUPTION. ALL INTERRUPTIONS SHALL BE KEPT TO A MINIMUM DURATION. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL TEMPORARY POWER REQUESTED BY AFFECTED PARTIES THROUGHOUT THE DURATION OF THE INTERRUPTION.
- ALL ELECTRICAL MATERIALS SHALL BE NEW UNLESS SPECIFICALLY OTHERWISE STATED. DEFECTIVE EQUIPMENT AND/OR EQUIPMENT DAMAGED DURING INSTALLATION AND/OR TESTING SHALL BE REPLACED OR REPAIRED TO MEET APPROVAL FROM ENGINEER OR INSPECTOR AT THE EXPENSE OF THE CONTRACTOR. PROPOSED EQUIPMENT SHALL BE NEMA RATED AND APPROVED.
- CONTRACTOR SHALL SUBMIT MANUFACTURER'S STANDARD PRODUCT INFORMATION, PERFORMANCE SPECIFICATIONS, ELECTRICAL RATINGS, PHYSICAL DIMENSIONS AND ALL OTHER NECESSARY INFORMATION FOR ENGINEER TO ENSURE COMPLIANCE WITH SPECIFICATIONS. SHOP DRAWINGS AND SUBMITTALS SHALL BE REVIEWED BY ENGINEER PRIOR TO ORDERING AND INSTALLING ANY EQUIPMENT. CONTRACTOR SHALL HIGHLIGHT ITEMS TO BE REVIEWED. EQUIPMENT ORDERED WITHOUT A REVIEWED SUBMITTAL IS DONE AT THE CONTRACTOR'S OWN RISK.
- ANY DEVIATIONS, SUBSTITUTIONS OR ALTERATIONS WITHOUT APPROVAL BY ENGINEER SHALL BE ASSUMED AS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SHORT CIRCUIT RATINGS AND OVERCURRENT PROTECTIVE DEVICE RATINGS SHALL BE GREATER THAN THE AVAILABLE FAULT CURRENT AT EACH RESPECTIVE PIECE OF EQUIPMENT. COORDINATE RATINGS WITH UTILITY COMPANY.
- ALL LISTED CABLE SIZES ARE SIZED PER NEC REQUIREMENTS. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR MEETING CONDUIT FILL REQUIREMENTS IF A LARGER SIZED CABLE IS USED. CONTRACTOR SHALL NOT USE CABLE SMALLER THAN SPECIFIED ON PLANS.
- CONTRACTOR SHALL COLOR CODE AND TAG NEW CABLE PER INDUSTRY STANDARD.
- ALL CIRCUITS SHALL BE PROVIDED WITH AN INSULATED GREEN COPPER EQUIPMENT GROUND CONDUCTOR SIZED PER NEC. EQUIPMENT GROUNDS SHALL BE BONDED TO ALL EQUIPMENT AND DEVICES. USE OF METALLIC CONDUIT SHALL NOT TAKE THE PLACE OF AN EQUIPMENT GROUND CONDUCTOR.

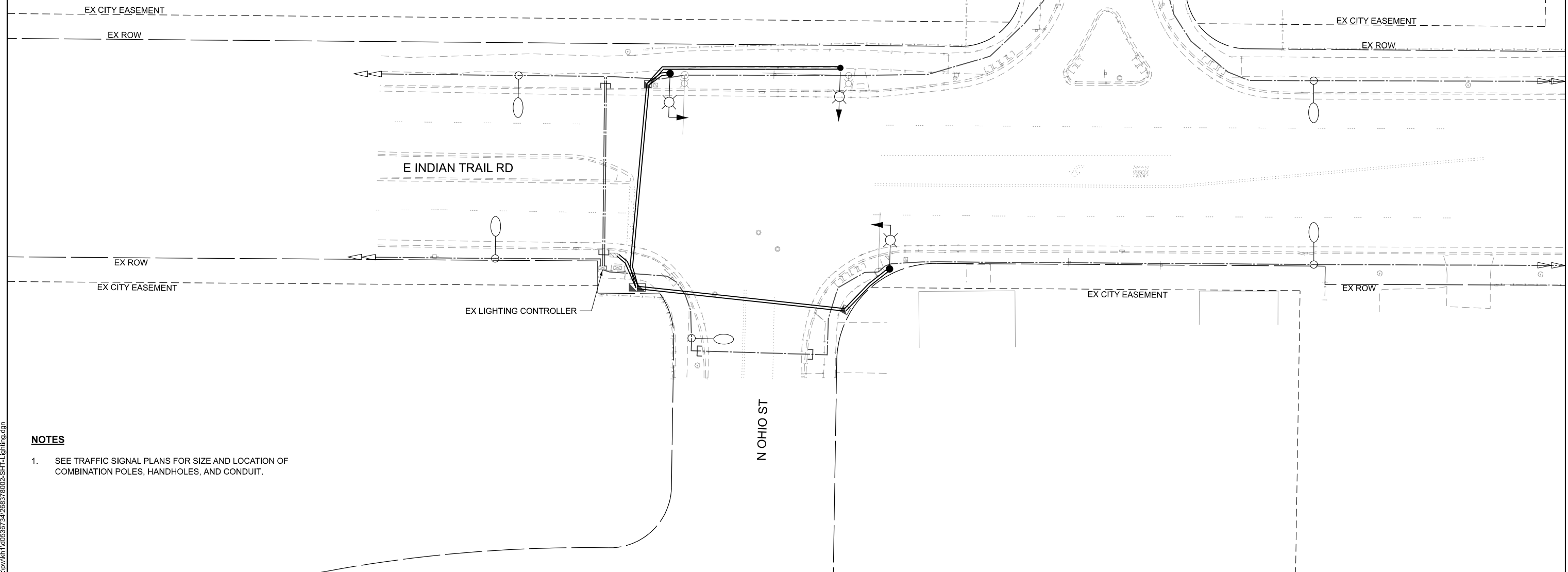
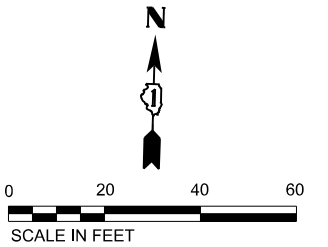
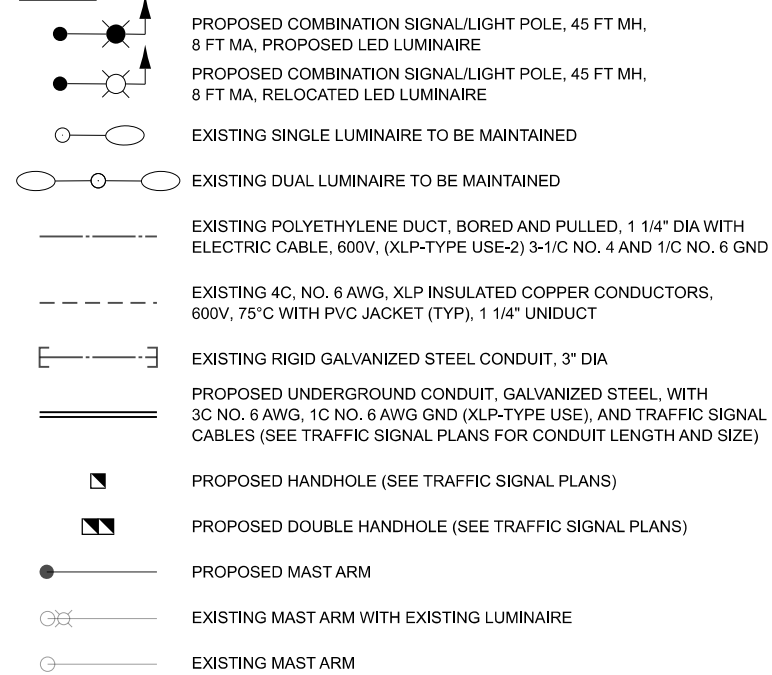
19. ALL WIRING SHALL ADHERE TO NEC CONDUIT FILL REQUIREMENTS. ANY DEVIATION FROM CONDUIT SIZE SPECIFIED ON PLANS IS ASSUMED TO BE THE CONTRACTOR'S RESPONSIBILITY.
20. MINIMUM BURIAL DEPTH OF 30" PER BE-702, TO THE TOP OF CONDUIT SHALL BE STANDARD INSTALLATION FOR UNDERGROUND CONDUIT.
21. CONDUIT ROUTING IS SHOWN SYMBOLICALLY AND DIAGRAMMATICALLY. CONTRACTOR SHALL FIELD ROUTE CONDUIT AS NECESSARY. CONFIRM ROUTING WITH OWNER AND ENGINEER.
22. CONTRACTOR SHALL FIELD VERIFY UNDERGROUND UTILITIES PRIOR TO TRENCHING. ALL PROPOSED EXCAVATION IN THE VICINITY OF EXISTING UTILITIES, PIPING SYSTEMS OR SIMILAR SHALL BE HAND EXCAVATED. HAND EXCAVATE IN THE VICINITY OF EXISTING TREES WHERE TRENCHING MAY DAMAGE ROOT SYSTEMS.
23. ALL CONDUIT AND CABLING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY CODE.
24. ALL CABLE SHALL BE LABELED ON BOTH ENDS.
25. CONTRACTOR SHALL MAINTAIN CLEARANCES OF WORKING SPACES AS REQUIRED BY ARTICLE 110 OF THE NEC. GENERAL CONTRACTOR SHALL ASSUME RESPONSIBILITY OF COORDINATION FOR CLEARANCES AND BE RESPONSIBLE FOR ANY RELOCATION DUE TO AN IMPEDANCE OF CLEARANCES.
26. ALL DEVICE COVER PLATES COLORS AND FINISHES SHALL BE COORDINATED WITH CITY AND PER IDOT STANDARDS.
27. CONTRACTOR SHALL THOROUGHLY CLEAN AND POLISH THE FINISHED EQUIPMENT WITHIN THE CONTRACT AREA AND RESTORE ALL SURROUNDING GROUNDS TO THE SATISFACTION OF THE OWNER.
28. THE CONTRACTOR SHALL TEST ALL EQUIPMENT INSTALLED UNDER THE SCOPE OF WORK AND DEMONSTRATE ITS PROPER OPERATION TO THE OWNER. CONTRACTOR SHALL COORDINATE A FINAL INSPECTION OF THE SYSTEM UPON COMPLETION.
29. PRIOR TO FINAL ACCEPTANCE, ALL DEFICIENCIES IDENTIFIED SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
30. ALL CERTIFICATES OF APPROVAL SHALL BE IN DUPLICATE, DELIVERED TO THE ENGINEER AND BECOME THE PROPERTY OF THE OWNER.
31. CONTRACTOR SHALL MAINTAIN A COPY OF ALL DRAWINGS AND APPROVED SHOP DRAWINGS ON SITE AND RECORD ALL REVISIONS AND DEVIATIONS FROM THE ORIGINAL CONSTRUCTION DRAWINGS. A COPY SHALL BE SUBMITTED TO THE ENGINEER UPON THE COMPLETION OF WORK.
32. CONTRACTOR SHALL PROVIDE THREE PRINTED COPIES AND ONE ELECTRONIC COPY OF SUBMITTALS, MANUALS, SERVICE AGENCIES AND WARRANTIES TO THE CITY UPON COMPLETION OF CONSTRUCTION.
33. THE ENTIRE ELECTRICAL SYSTEM WITHIN THIS SCOPE SHALL BE IN PROPER WORKING ORDER UPON COMPLETION OF CONSTRUCTION. ANY WORK, MATERIALS OR SYSTEMS SHOWING DEFECTS OR MALFUNCTION SHALL BE CORRECTED WITHOUT CHARGE WITHIN THE FIRST YEAR.

AC	AMPERES	N	NEUTRAL OR NORTH
AC	ALTERNATING CURRENT	NEC	NATIONAL ELECTRICAL CODE
AFF	ABOVE FINISHED FLOOR	N.I.C.	NOT IN CONTRACT
AFG	ABOVE FINISHED GRADE	NTS	NOT TO SCALE
AIC	AMPERES INTERRUPTING CAPACITY		
AL	ALUMINUM	P	POLE
AT	AMP TRIP	PC	PHOTOCELL
AWG	AMERICAN WIRE GAUGE	PR	PROPOSED
C	CONTACTOR/CONDUIT/COIL	TC	TIME CLOCK
CB	CIRCUIT BREAKER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
CKT	CIRCUIT		
		UE	UNDERGROUND ELECTRICAL
DC	DIRECT CURRENT	UON	UNLESS OTHERWISE NOTED
DISC	DISCONNECT		
DWG	DRAWING	V	VOLTS
		VA	VOLT AMPERES
EX	EXISTING		
		W	WIRE OR WATT
GND	GROUND	WP	WEATHER PROOF
HH	HANDHOLE	XFMR	TRANSFORMER
J	JUNCTION BOX		
KCMIL	THOUSAND CIRCULAR MILS		
KVA	KILOVOLT AMPERE		
LTG	LIGHTING		
M	METER		
MIN	MINIMUM		
MTD	MOUNTED		
MTG	MOUNTING		

CODE NUMBER	PAY ITEM	UNIT	QUANTITY
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3600
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1 C	FOOT	1250
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
X8440102	RELOCATE EXISTING LUMINAIRE	EACH	4
X8000003	MAINTAIN EXISTING LIGHTING SYSTEM	CAL MO	6

	PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, PROPOSED LED LUMINAIRE
	PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, RELOCATED LED LUMINAIRE
	EXISTING SINGLE LUMINAIRE TO BE MAINTAINED
	EXISTING DUAL LUMINAIRE TO BE MAINTAINED
	EXISTING POLYETHYLENE DUCT, BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE, 600V, (XLP-TYPE USE-2) 3-1/C NO. 4 AND 1/C NO. 6 GND
	EXISTING 4C, NO. 6 AWG, XLP INSULATED COPPER CONDUCTORS, 600V, 75°C WITH PVC JACKET (TYP), 1 1/4" UNIDUCT
	EXISTING RIGID GALVANIZED STEEL CONDUIT, 3" DIA
	PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, WITH 3C NO. 6 AWG, 1C NO. 6 AWG GND (XLP-TYPE USE), AND TRAFFIC SIGNAL CABLES (SEE TRAFFIC SIGNAL PLANS FOR CONDUIT LENGTH AND SIZE)
	PROPOSED HANDHOLE (SEE TRAFFIC SIGNAL PLANS)
	PROPOSED DOUBLE HANDHOLE (SEE TRAFFIC SIGNAL PLANS)
	PROPOSED MAST ARM
	EXISTING MAST ARM WITH EXISTING LUMINAIRE
	EXISTING MAST ARM

LEGEND



NOTES

1. SEE TRAFFIC SIGNAL PLANS FOR SIZE AND LOCATION OF COMBINATION POLES, HANDHOLES, AND CONDUIT.

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PHONE: 630-487-5550
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USER NAME = Jackson,Robbert	DESIGNED - BB	REVISED -
	DRAWN - BB	REVISED -
PLOT SCALE = 0.16666633"/In.	CHECKED - SK	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

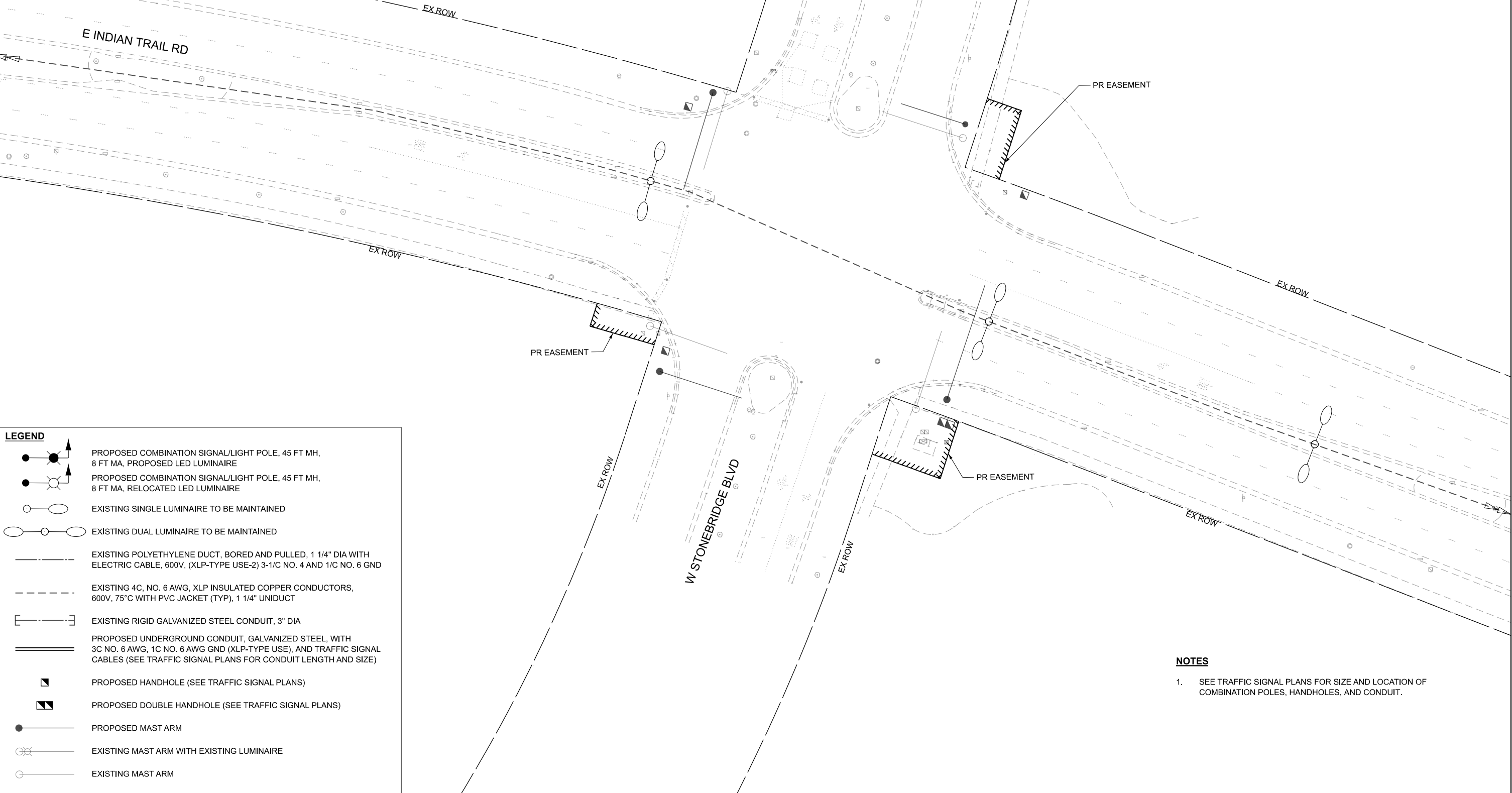
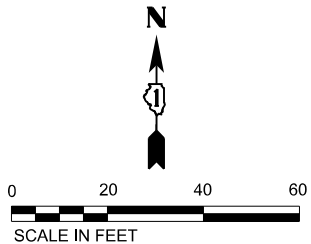
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN
INDIAN TRAIL RD & OHIO ST

SCALE: 1"=20'	SHEET 1	OF 5	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	105
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		

FOR INFORMATION ONLY



LEGEND

PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, PROPOSED LED LUMINAIRE

PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, RELOCATED LED LUMINAIRE

EXISTING SINGLE LUMINAIRE TO BE MAINTAINED

EXISTING DUAL LUMINAIRE TO BE MAINTAINED

EXISTING POLYETHYLENE DUCT, BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE, 600V, (XLP-TYPE USE-2) 3-1/C NO. 4 AND 1/C NO. 6 GND

EXISTING 4C, NO. 6 AWG, XLP INSULATED COPPER CONDUCTORS, 600V, 75°C WITH PVC JACKET (TYP), 1 1/4" UNIDUCT

EXISTING RIGID GALVANIZED STEEL CONDUIT, 3" DIA

PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, WITH 3C NO. 6 AWG, 1C NO. 6 AWG GND (XLP-TYPE USE), AND TRAFFIC SIGNAL CABLES (SEE TRAFFIC SIGNAL PLANS FOR CONDUIT LENGTH AND SIZE)

PROPOSED HANDHOLE (SEE TRAFFIC SIGNAL PLANS)

PROPOSED DOUBLE HANDHOLE (SEE TRAFFIC SIGNAL PLANS)

PROPOSED MAST ARM

EXISTING MAST ARM WITH EXISTING LUMINAIRE

EXISTING MAST ARM

- NOTES**
- SEE TRAFFIC SIGNAL PLANS FOR SIZE AND LOCATION OF COMBINATION POLES, HANDHOLES, AND CONDUIT.

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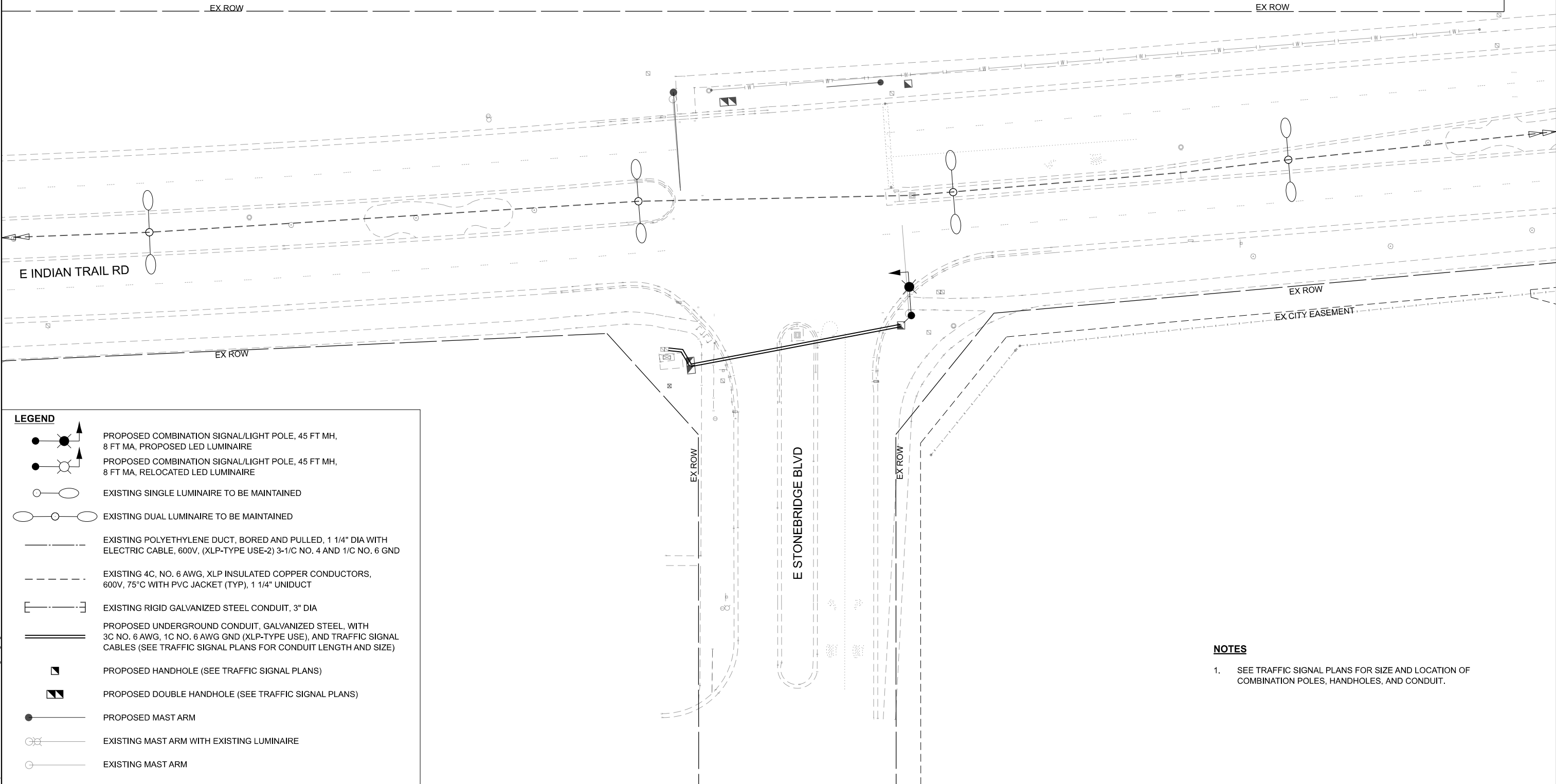
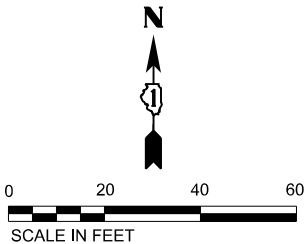
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PLOT SCALE	= 0.16666633" / In.	CHECKED	- SK	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
INDIAN TRAIL RD & W STONEBRIDGE BLVD

SCALE: 1"=20' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	107
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, PROPOSED LED LUMINAIRE
- PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, RELOCATED LED LUMINAIRE
- EXISTING SINGLE LUMINAIRE TO BE MAINTAINED
- EXISTING DUAL LUMINAIRE TO BE MAINTAINED
- EXISTING POLYETHYLENE DUCT, BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE, 600V, (XLP-TYPE USE-2) 3-1/C NO. 4 AND 1/C NO. 6 GND
- EXISTING 4C, NO. 6 AWG, XLP INSULATED COPPER CONDUCTORS, 600V, 75°C WITH PVC JACKET (TYP), 1 1/4" UNIDUCT
- EXISTING RIGID GALVANIZED STEEL CONDUIT, 3" DIA
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, WITH 3C NO. 6 AWG, 1C NO. 6 AWG GND (XLP-TYPE USE), AND TRAFFIC SIGNAL CABLES (SEE TRAFFIC SIGNAL PLANS FOR CONDUIT LENGTH AND SIZE)
- PROPOSED HANDHOLE (SEE TRAFFIC SIGNAL PLANS)
- PROPOSED DOUBLE HANDHOLE (SEE TRAFFIC SIGNAL PLANS)
- PROPOSED MAST ARM
- EXISTING MAST ARM WITH EXISTING LUMINAIRE
- EXISTING MAST ARM

NOTES

- SEE TRAFFIC SIGNAL PLANS FOR SIZE AND LOCATION OF COMBINATION POLES, HANDHOLES, AND CONDUIT.

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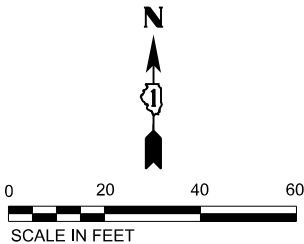
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	DATE -	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN
INDIAN TRAIL RD & E STONEBRIDGE BLVD

SCALE: 1"=20' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	108
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



PENNSBURY LN

EX ROW

EX ROW

EX LINE OF SIGHT EASEMENT

EX CITY EASEMENT

EX LINE OF SIGHT EASEMENT

EX CITY EASEMENT

EX ROW

EX ROW

N AURORA RD

EX ROW

EX UTILITY EASEMENT

EX ROW

EX ROW

PR ROW

LEGEND

- PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, PROPOSED LED LUMINAIRE
- PROPOSED COMBINATION SIGNAL/LIGHT POLE, 45 FT MH, 8 FT MA, RELOCATED LED LUMINAIRE
- EXISTING SINGLE LUMINAIRE TO BE MAINTAINED
- EXISTING DUAL LUMINAIRE TO BE MAINTAINED
- EXISTING POLYETHYLENE DUCT, BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE, 600V, (XLP-TYPE USE-2) 3-1/C NO. 4 AND 1/C NO. 6 GND
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- EXISTING RIGID GALVANIZED STEEL CONDUIT, 3" DIA
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, WITH 3C NO. 6 AWG, 1C NO. 6 AWG GND (XLP-TYPE USE), AND TRAFFIC SIGNAL CABLES (SEE TRAFFIC SIGNAL PLANS FOR CONDUIT LENGTH AND SIZE)
- PROPOSED HANDHOLE (SEE TRAFFIC SIGNAL PLANS)
- PROPOSED DOUBLE HANDHOLE (SEE TRAFFIC SIGNAL PLANS)
- PROPOSED MAST ARM
- EXISTING MAST ARM WITH EXISTING LUMINAIRE
- EXISTING MAST ARM

NOTES

- SEE TRAFFIC SIGNAL PLANS FOR SIZE AND LOCATION OF COMBINATION POLES, HANDHOLES, AND CONDUIT.

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USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633 1/In.
PLOT DATE = 7/8/2026

DESIGNED - BB
DRAWN - BB
CHECKED - SK
DATE -

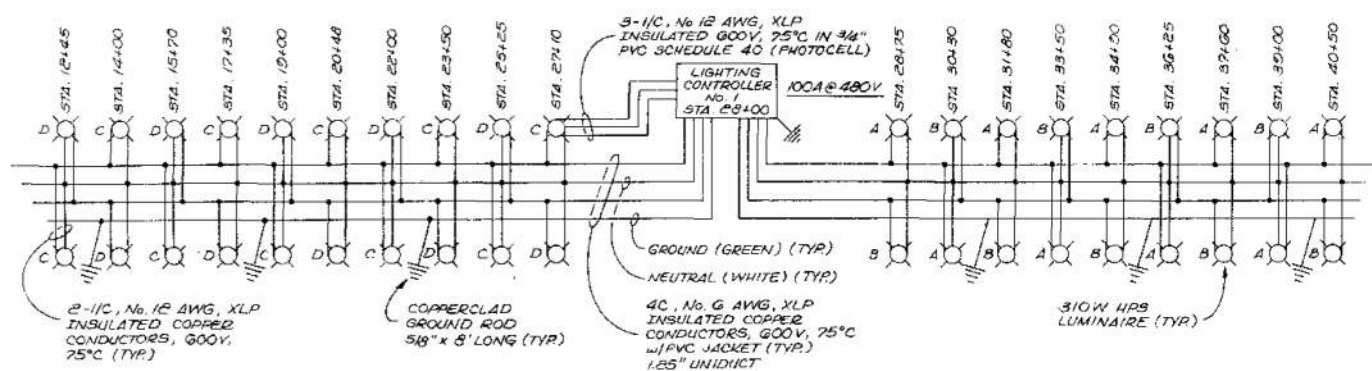
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

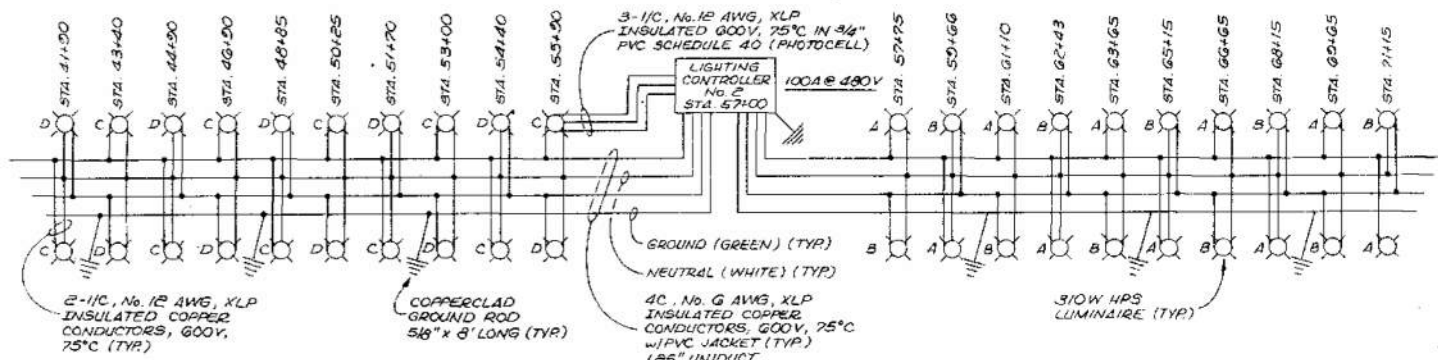
LIGHTING PLAN
N AURORA RD & PENNSBURY LN

SCALE: 1"=20' SHEET 5 OF 5 SHEETS STA. TO STA.

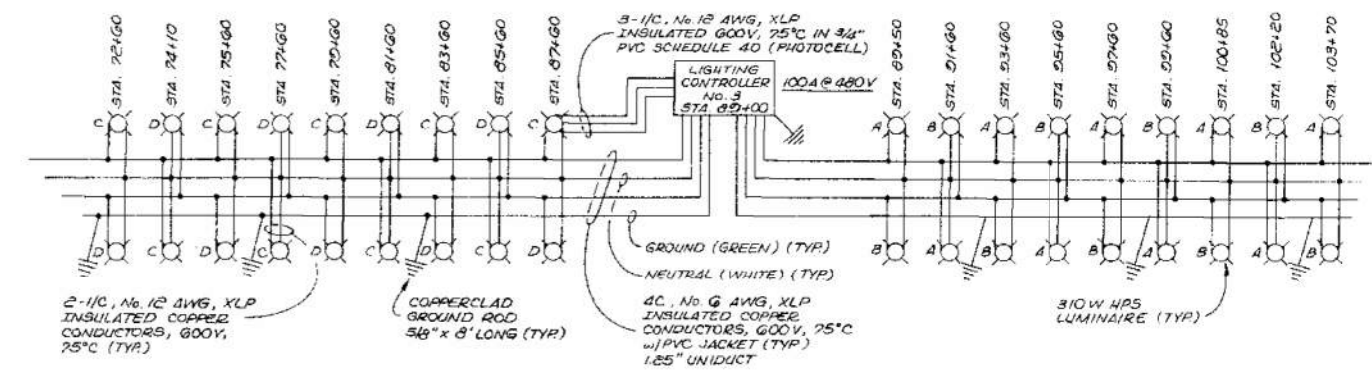
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	109
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



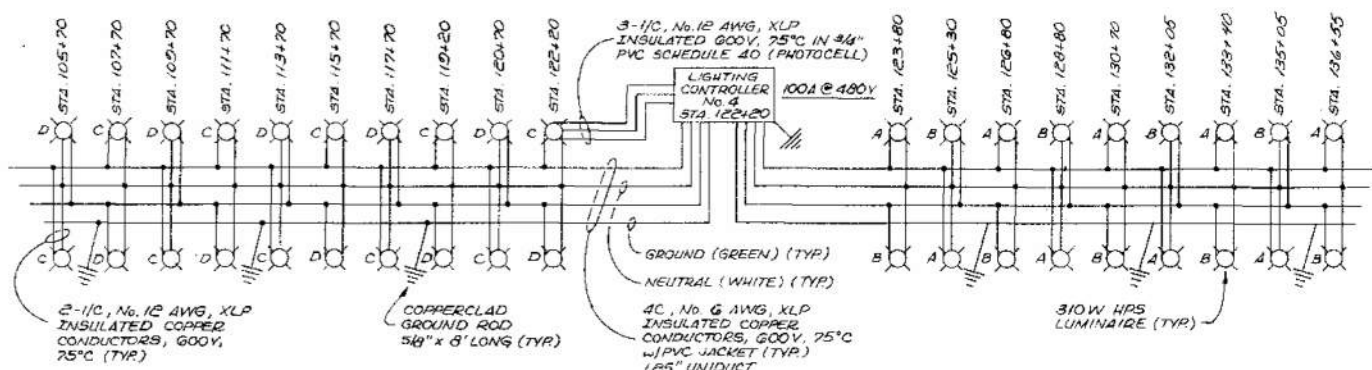
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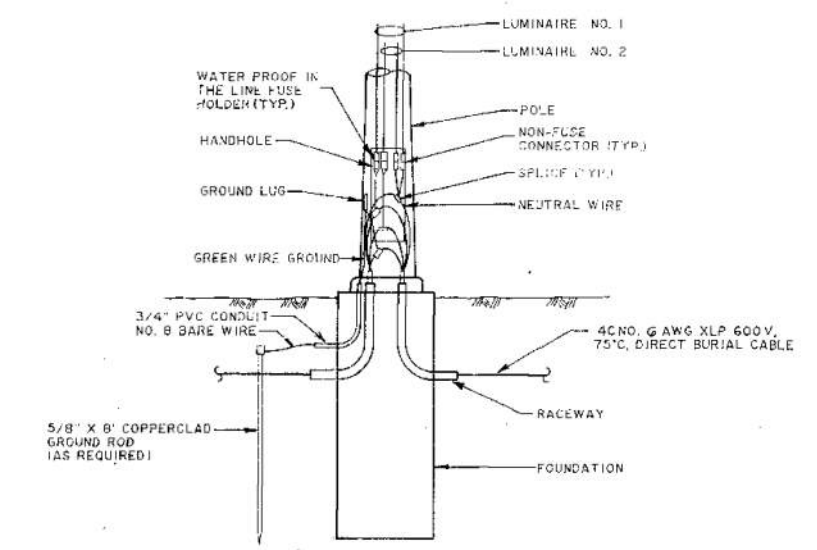
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WIRING DIAGRAM - LIGHTING CONTROLLER No. 3

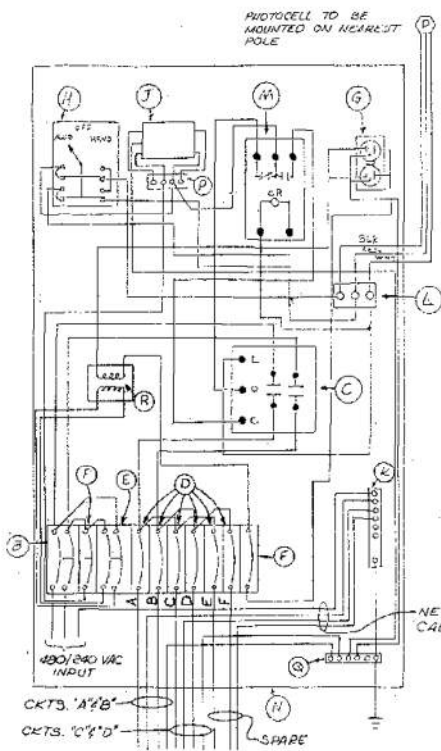


WIRING DIAGRAM - LIGHTING CONTROLLER No. 4

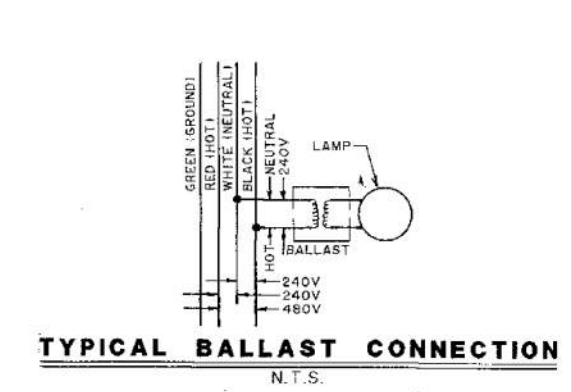
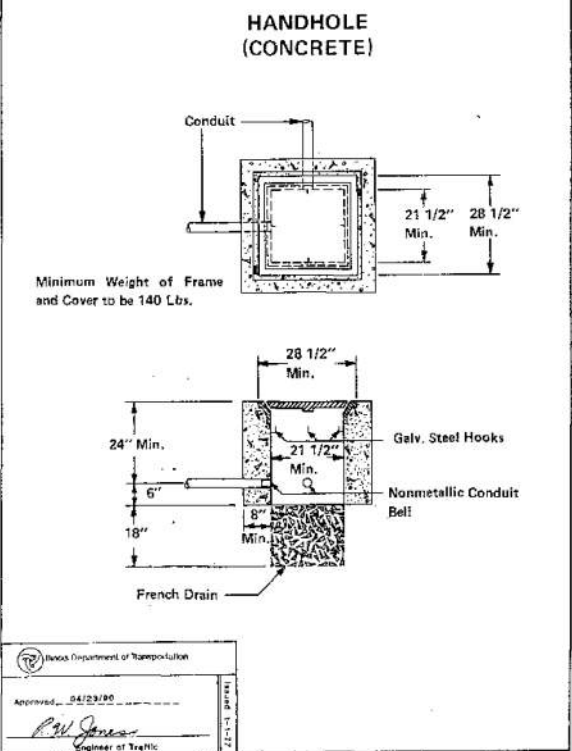


POLE BASE WIRING DIAGRAM DETAIL

N.T.S.
 NOTE: 1. ALL LIGHT POLES SHALL BE GROUNDED USING GREEN WIRE (GROUND) AT POLE HANDHOLE.
 2. UNUSED WIRE SHALL BE LOOPED AND TAPED PROPERLY.



- PARTS LIST**
- A - HENNESSY TYPE "375" 1.25 ALUMINUM CABINET PAINTED GREEN WITH SO. ALUM. BASE, SHAFT AND COLLAR, WITH "STREET LIGHTING" ON FRONT
 - B - WESTINGHOUSE SC2000 2 POLE, 70 AMP (MAIN BREAKER)
 - C - ASCO S2026331 2 POLE, 60 AMP (CONTACTOR)
 - D - 6, WEST SC2035L 1 POLE, 15 AMP (BRANCH BREAKERS)
 - E - 1, WEST SC2035L 2 POLE, 15 AMP (TRANSFORMER BREAKERS)
 - F - 2, WEST SC2035L 1 POLE, 15 AMP (CONTROL BREAKERS)
 - G - GFI DUPLEX RECEPTACLE
 - H - WEST POLYUMMA THREE POSITION SELECTOR SWITCH (AUTO-OFF HAND)
 - I - EDG3 SHARPS (SURRESTOR)
 - J - B AND G NEUTRAL BUS
 - K - 3 AND 6 THREE POINT TERMINAL BLOCK FOR PHOTOCELL CONNECTIONS
 - L - MIDEX 187-02001 RELAY WITH JONES SAEBAZ SOCKET
 - M - BENDEX 407 MOUNTING PANEL
 - N - B AND G FOUR POINT TERMINAL BLOCK
 - O - GROUND BAR
 - R - 1 KVA 240V TYPE TRANSFORMER 180/120V AC



TYPICAL BALLAST CONNECTION

FOR INFORMATION ONLY

MODEL: SHT-1 Lighting Schematic (Sheet)
 FILE NAME: c:\paw\k100536734\268378002-SHT-1 Lighting Schematic.dgn

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USER NAME = Jackson.Robbert	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 7/8/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING SCHEMATIC
 INDIAN TRAIL RD

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	110
** = FAU 1503 & 1509, MUN 1157				
CONTRACT NO. 61M10				
ILLINOIS / FED. AID PROJECT				

EVOLVE

ERL1 Cobra Head
LED Roadway Lighting



CUSTOMER NAME _____
PROJECT NAME _____
DATE _____ TYPE _____
CATALOG NUMBER _____

The Evolve® LED Roadway ERL1 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant powder paint, ≥ 2.0 mil thickness (RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	12.4 lbs (5.6kgs)

Optical System

Lumens:	2,000 - 10,000
Distribution:	Type II ,III, IV and Type II Narrow, and Type II Enhanced Backlight
Efficacy:	110-143 LPW
CCT:	2700K, 3000K, 4000K
CRI:	≥70

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
Power Factor:	≥ 90% at rated watts
Total Harmonic Distortion:	≤ 20% at rated watts

Surge Protection*

Standard	Optional
☐ 10kV/5kA	☐ Secondary 10kV/5kA (R Option) or ☐ Secondary 20kV/10kA (T Option)

*Per ANSI C136.2-2018

Lumen Maintenance

Projected Lxx per IES TM-21-11 at

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
02,03,04,05,06	A3,B3,C3,D3,E3	L96	L95	L94
07,08,09	A3,B3,C3,D3,E3	L95	L91	L89
10	A3,B3,C3,D3,E3	L89	L80	L76

Ratings

Operating Temperature:	-40°C to 50°C
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards

Controls

Dimming:	Standard - 0-10V ☐ Optional - DALI (Option U) ☐
Sensors:	Photo Electric Sensors (PE) available LightGrid Compatible

Warranty

☐ 5 Year (Standard) ☐ 10 Year (Optional)



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

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(Rev 06/28/23)
OLP3128_R09

EVOLVE

ERL1 Cobra Head
LED Roadway Lighting

CUSTOMER NAME _____
PROJECT NAME _____
DATE _____ TYPE _____
CATALOG NUMBER _____

Ordering Information

ERL1

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION ³	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V ¹	02 = 2000 lm ²	A3 = Type II Narrow	27 = 2700K ⁴	A = 7-Pin Receptacle	BLCK = Black	A = 4 Bolt Slipfitter ⁵
R = Roadway	H = 347-480V ¹	03 = 3000 lm	B3 = Type II Wide	30 = 3000K ⁴	D = 7-Pin Receptacle with Shorting Cap	DKBZ = Dark Bronze	B = Tether
L = Local		04 = 4000 lm	C3 = Type III	40 = 4000K	E = 7 Pin Receptacle with Long Life non-Dimming PE Control	GRAY = Gray	F = Fusing
1 = Single Module	1 = 120V	05 = 5000 lm	D3 = Type IV		Note: 0-10V control standard unless DALI Option "U" requested	WHT= White	G = Internal Bubble Level
	2 = 208V	06 = 6000 lm	E3 = Type II Enhanced Back Light				I = Optional IP66 Optical
	3 = 240V	07 = 7000 lm					L = Tool-Less Entry
	4 = 277V	08 = 8000 lm					R = Secondary 10kV/5kA SPD
	D = 347V	09 = 9000 lm					T = Secondary 20kV/10kA SPD
	5 = 480V	10 = 10000 lm					U = DALI Programmable ^{6,7}
							V1 = Field Adjustable Module ^{8,11}
							X = Single Pack ⁹
							Y = Coastal Finish ⁹
							XXX = Special Options

¹ Not Available with Fusing

² 02 lumen level voltage options 1, 2, 3, and 8 only

³ Nominal IES Type classing subject to typical variation, individual units may differ

⁴ Select 2700K or 3000K CCT for IDA approved units

⁵ Lead time varies, Contact Factory

⁶ Compatible with LightGrid

⁷ Not available in 347V, 480V or 347-480V for Lumen Output Levels 07-10

⁸ Option provides single pack box per fixture. Standard packaging = 23 units per MagnaPak Container

⁹ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

¹⁰ Not available with DALI "U" option

¹¹ Not compatible with 02 Lumen Code

Suggested HID Replacement

- 4,000 - 5,000 lumens to replace 100W HPS Cobra-head
- 7,000 - 8,000 lumens to replace 150W HPS Cobra-head
- 8,500 - 11,500 lumens to replace 100W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

PREVIOUS	OPTICAL PATTERN	LATEST	NEW OPTICAL PATTERN
A1, B1	Extra Narrow/Narrow Asymmetric	A3	Type II Narrow
C1, E1	Asymmetric Short/Medium	B3	Type II Wide
D1, G1	Asymmetric Forward/Extra Wide	C3	Type III
F1	Asymmetric Wide	D3	Type IV
N/A	N/A	E3	Type II Enhanced Back Light

The information above is designed to provide a guideline to select the correct luminaire for a roadway application. The best and most accurate way to ensure the proper design is by doing a lighting layout.



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

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OLP3128_R09

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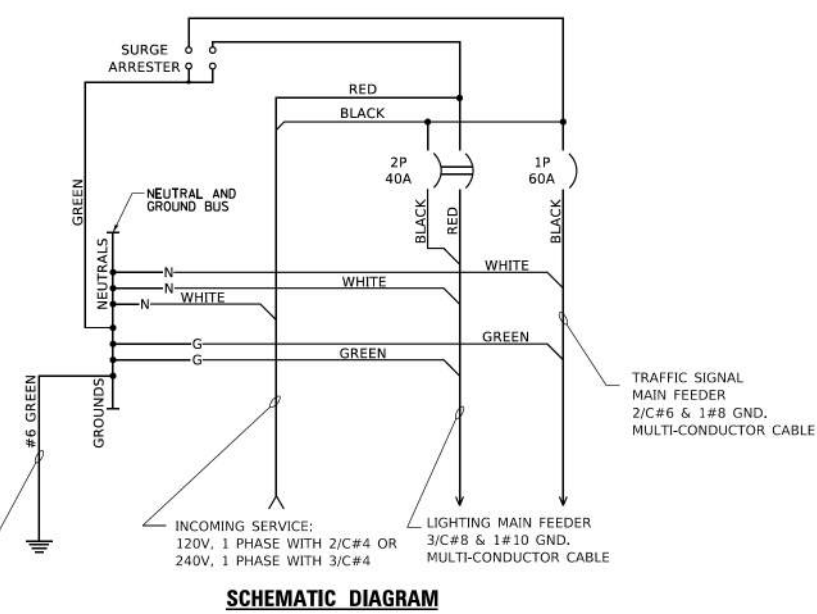
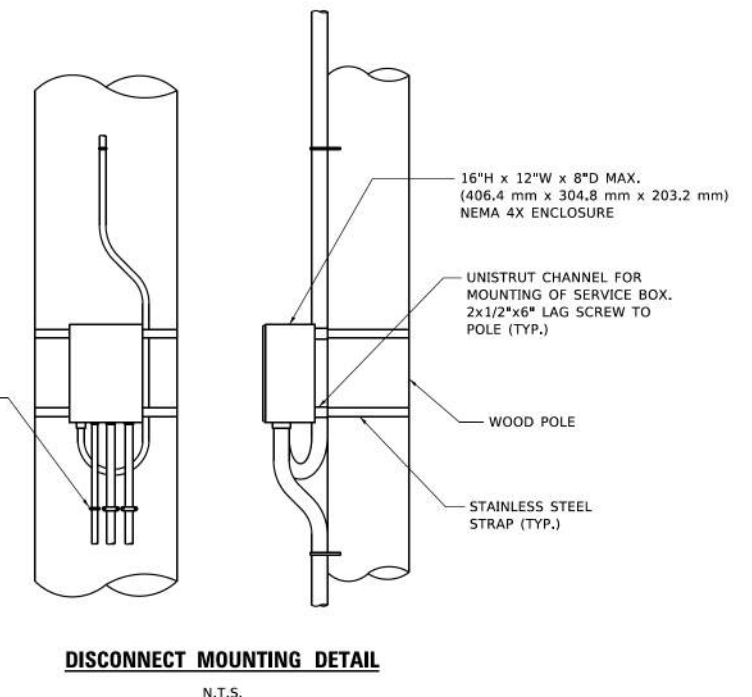
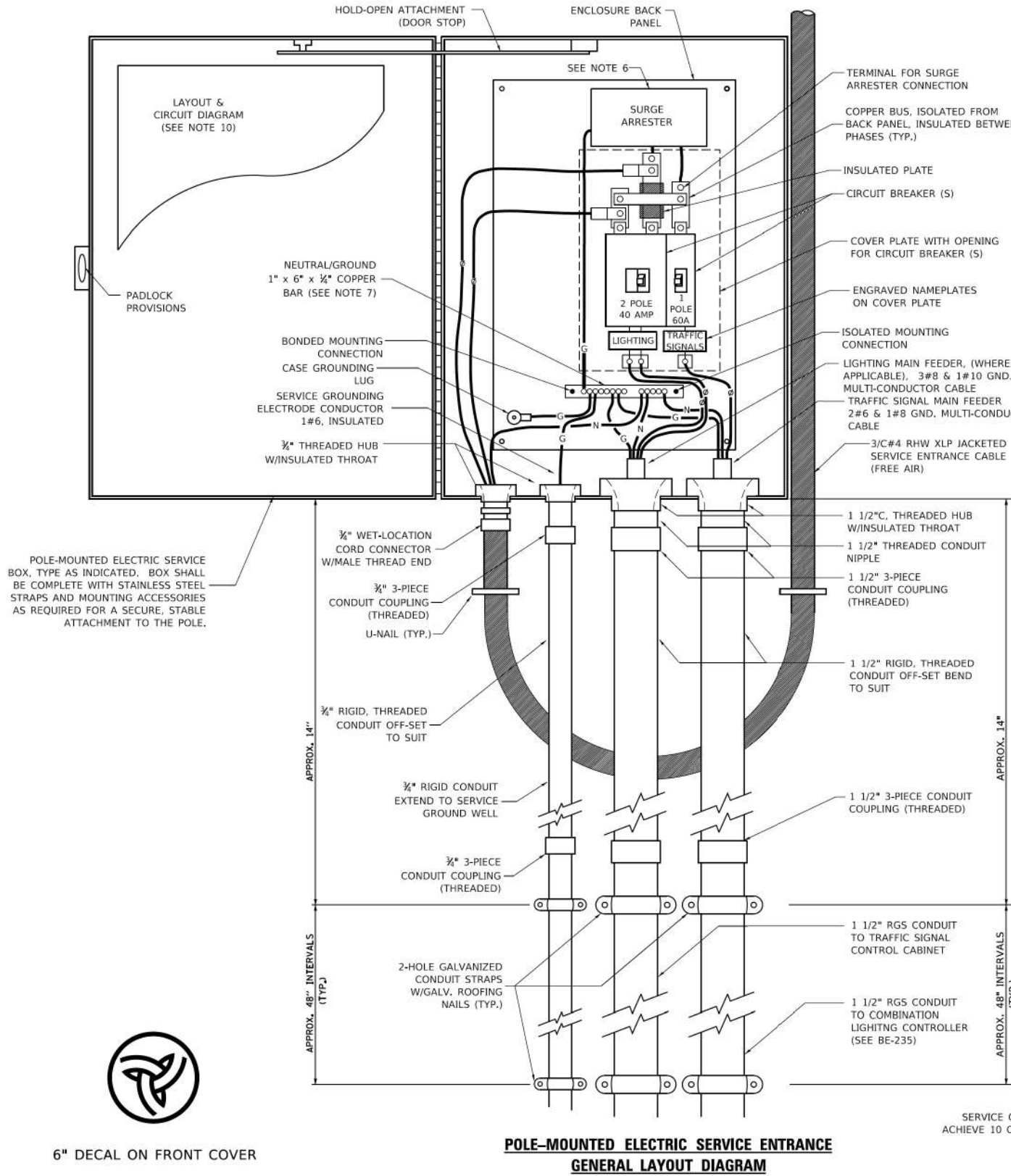
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PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAIL

SCALE: NTS SHEET 1 OF 15 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	111
	** = FAU 1503 & 1509, MUN 1157	CONTRACT NO. 61M10		
	ILLINOIS	FED. AID PROJECT		



- NOTES**
- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
 - THE POLE-MOUNTED ELECTRIC SERVICE BOX DETAIL DEPICTS THE BASIC CONSTRUCTION OF THE EQUIPMENT. SLIGHT MODIFICATIONS APPLY FOR DIFFERING SERVICES AND APPLICATIONS AS FOLLOWS:

TYPE	DESCRIPTION
TYPE A	FULLY EQUIPPED FOR 240/120V. 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER
TYPE A1	FULLY EQUIPPED FOR 240/120V. 3W SERVICE, BLANK COVER IN LIEU OF LIGHTING MAIN BREAKER
TYPE B	EQUIPPED FOR 120V. SERVICE, COMPLETE WITH 1P, 60A. TRAFFIC SIGNALS MAIN BREAKER
TYPE B1	EQUIPPED FOR 120V. SERVICE, COMPLETE WITH 1P, 40A. TRAFFIC SURVEILLANCE MAIN BREAKER
 - THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
 - THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H1208S56LP/A-16 P12/A-DSTOPKC-PMK12, OR APPROVED EQUAL.
 - CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
 - THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CM0V230L065XST OR APPROVED EQUAL.
 - BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
 - THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
 - THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
 - A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
 - A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
 - LUGS AND CONNECTORS SHALL BE RATED FOR 75° C CONDUCTOR.
 - THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.

MODEL: BE-230
FILE NAME: c:\paw\k14056367\41268378002-SHT-Details.dgn

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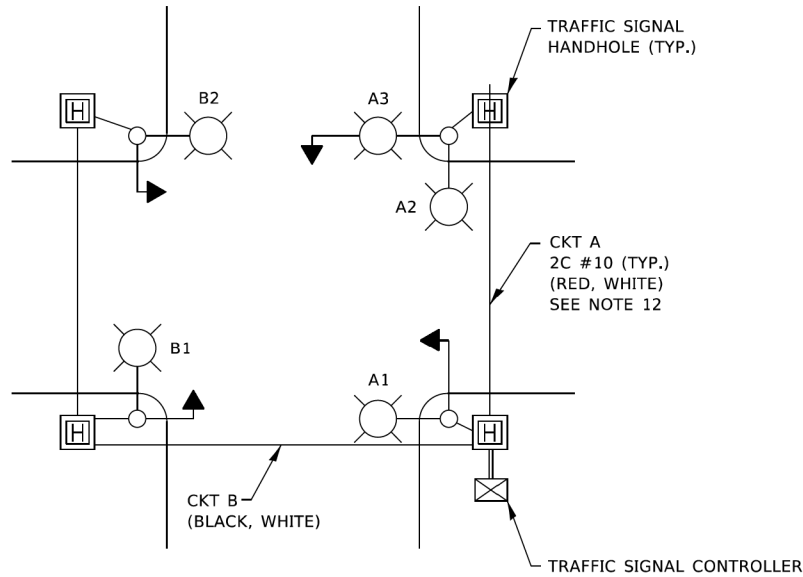
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	DRAWN -	REVISED -
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PLOT DATE = 7/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

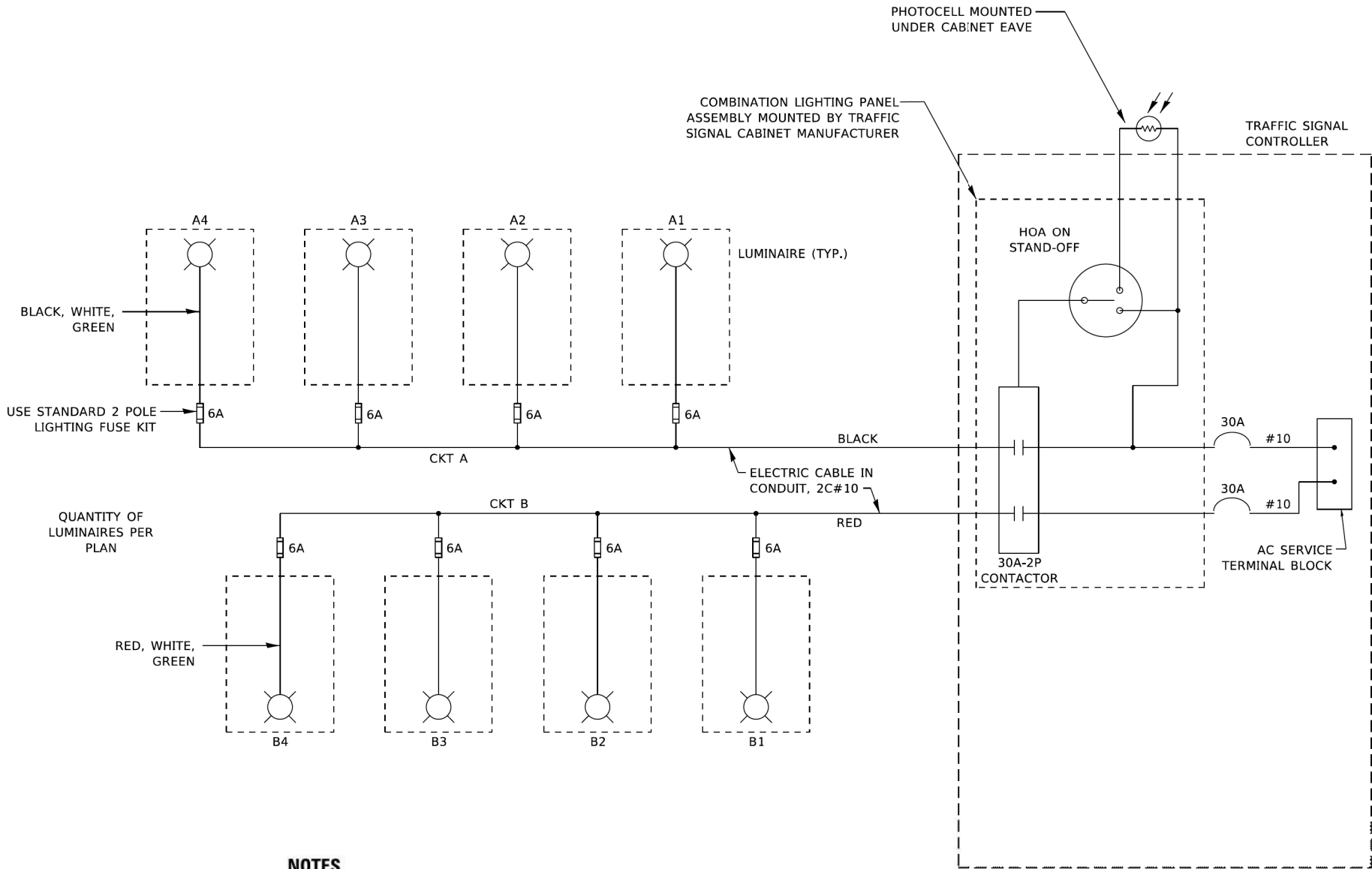
DISTRICT ONE DETAILS
BE-230

SCALE: NTS SHEET 2 OF 15 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

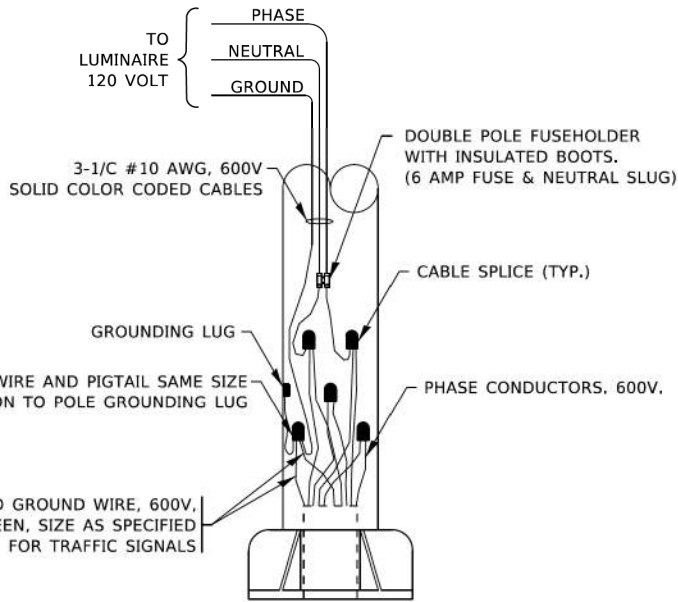


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



NOTES

- 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
- TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
- FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
- THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
- LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
- COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
- LUMINAIRE VOLTAGE SHALL BE 120V
- POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
- THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

MODEL: BE-240
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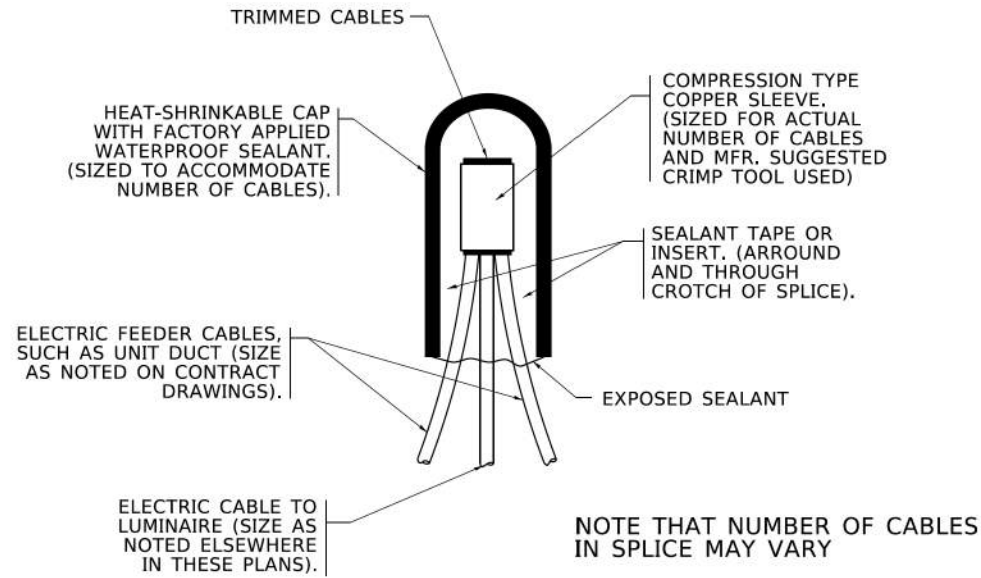
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PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

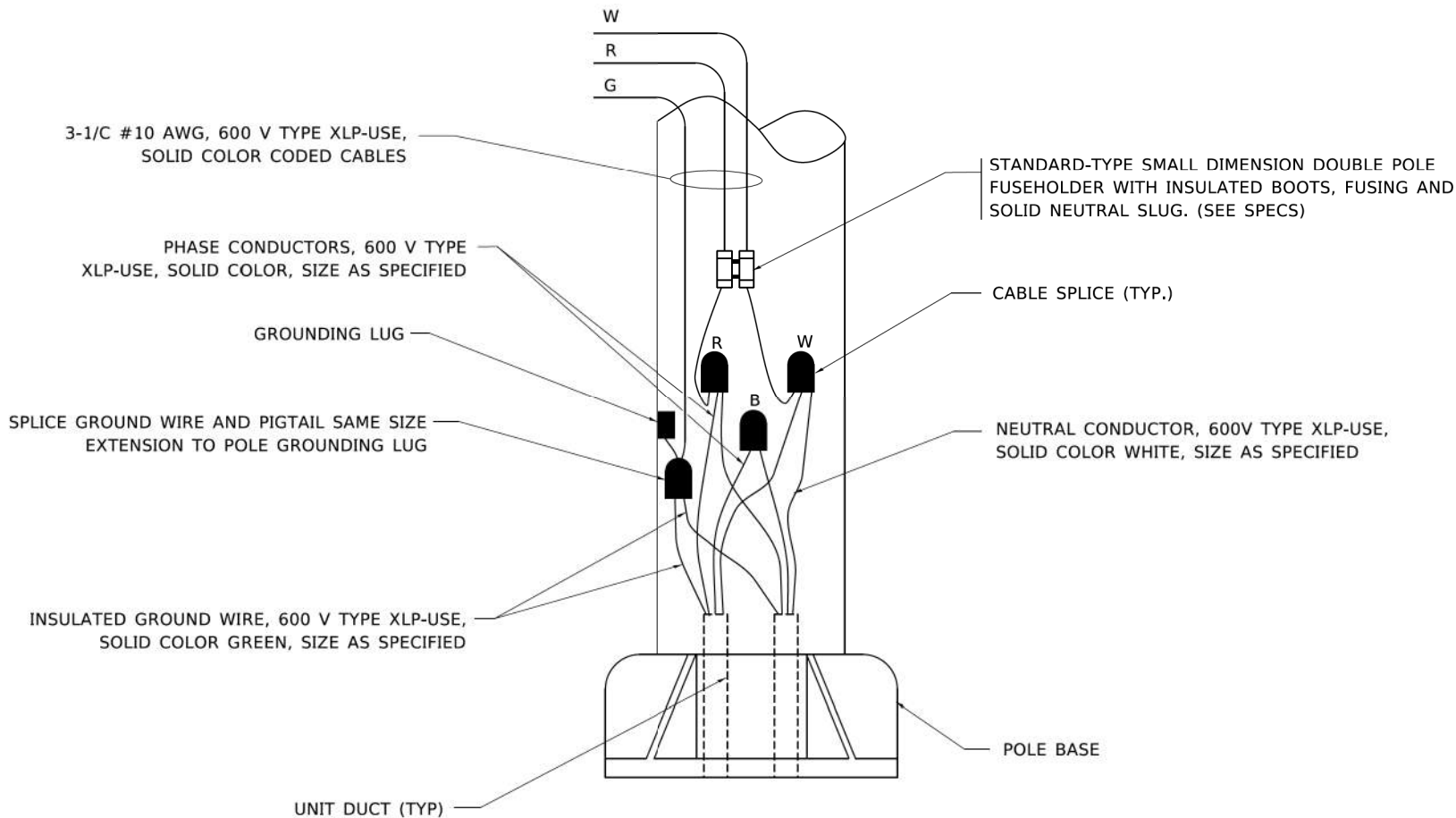
**DISTRICT ONE DETAILS
BE-240**

SCALE: NTS SHEET 3 OF 15 SHEETS STA. TO STA.

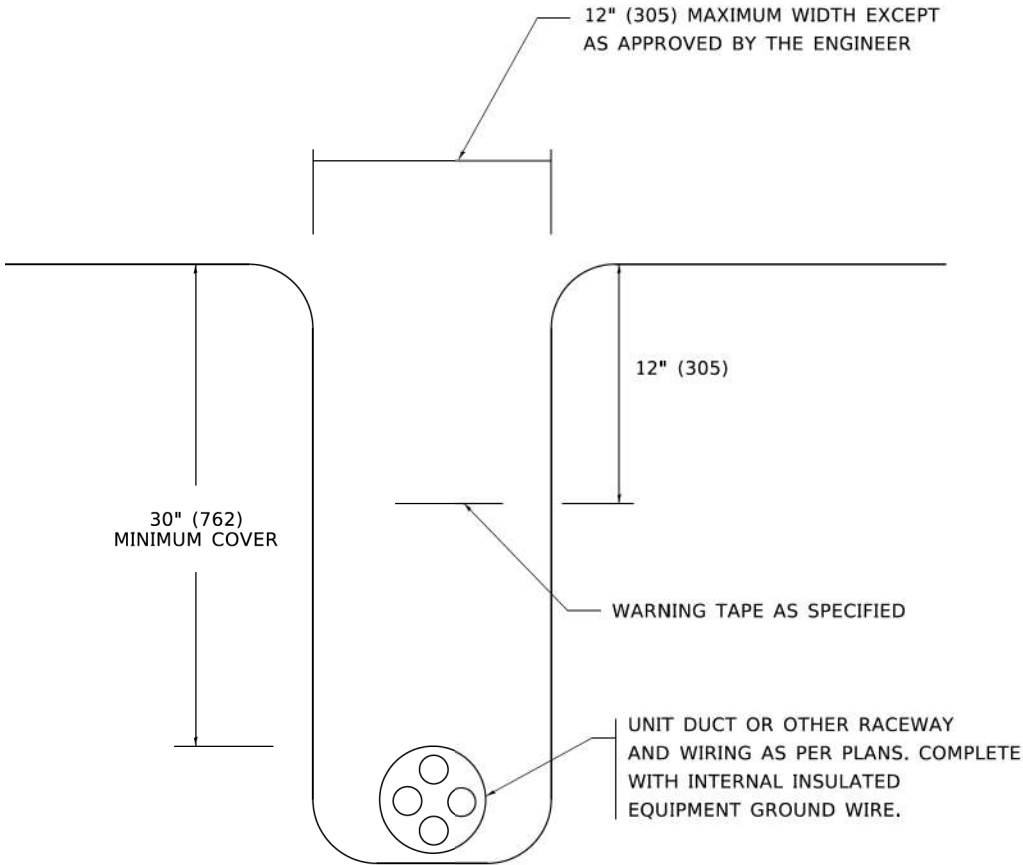
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	113
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

MODEL: BE-702
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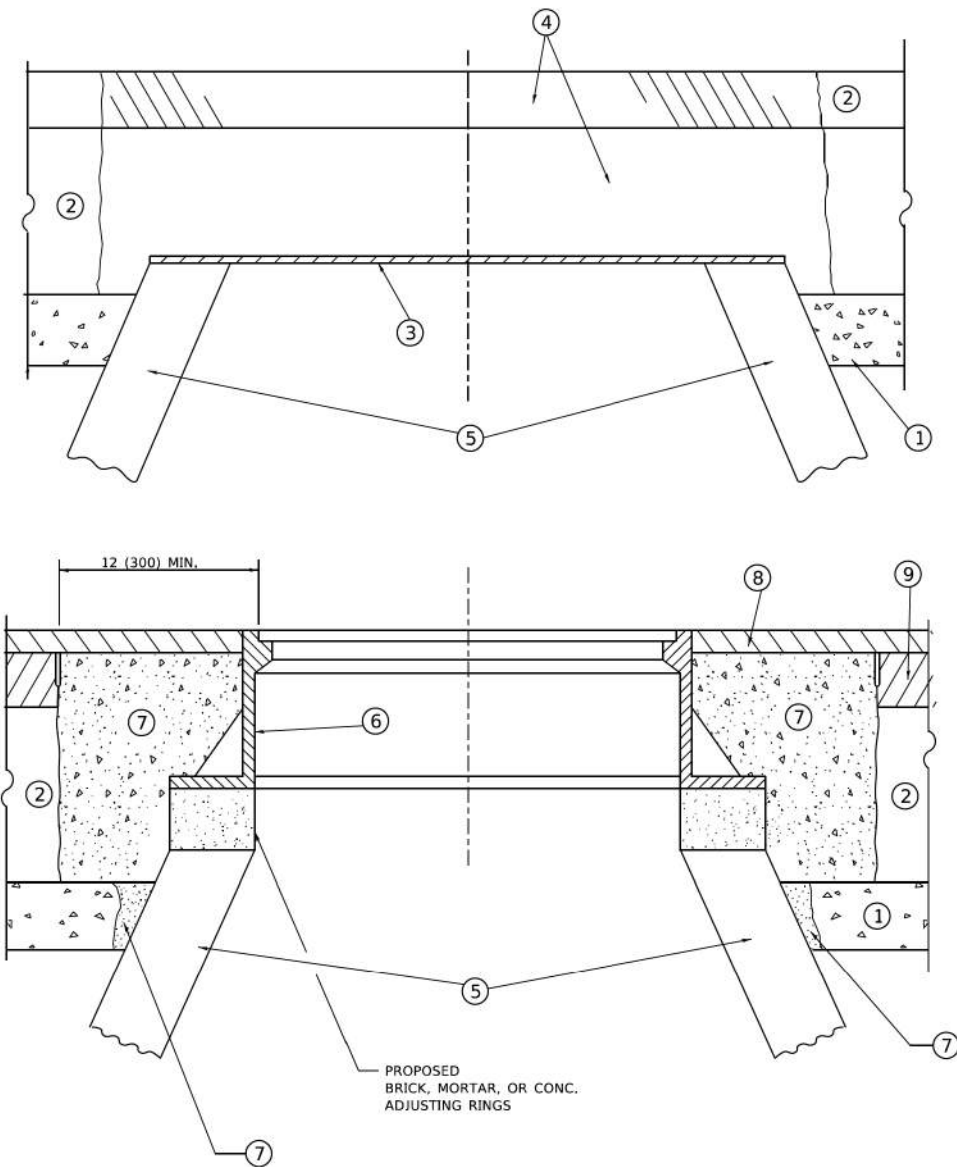
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS			
BE-702			
SCALE: NTS	SHEET 4	OF 15 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	114
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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USER NAME = Jackson.Robbert

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 0.16666633" / 1in.

CHECKED -

REVISED -

PLOT DATE = 7/8/2026

DATE -

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE DETAILS
BD-08**

SCALE: NTS

SHEET 5

OF 15

SHEETS

STA.

TO STA.

F.A.U.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

**

23-00358-00-TL

KANE/DUPAGE

125 115

** = FAU 1503 & 1509, MUN 1157

CONTRACT NO. 61M10

ILLINOIS FED. AID PROJECT

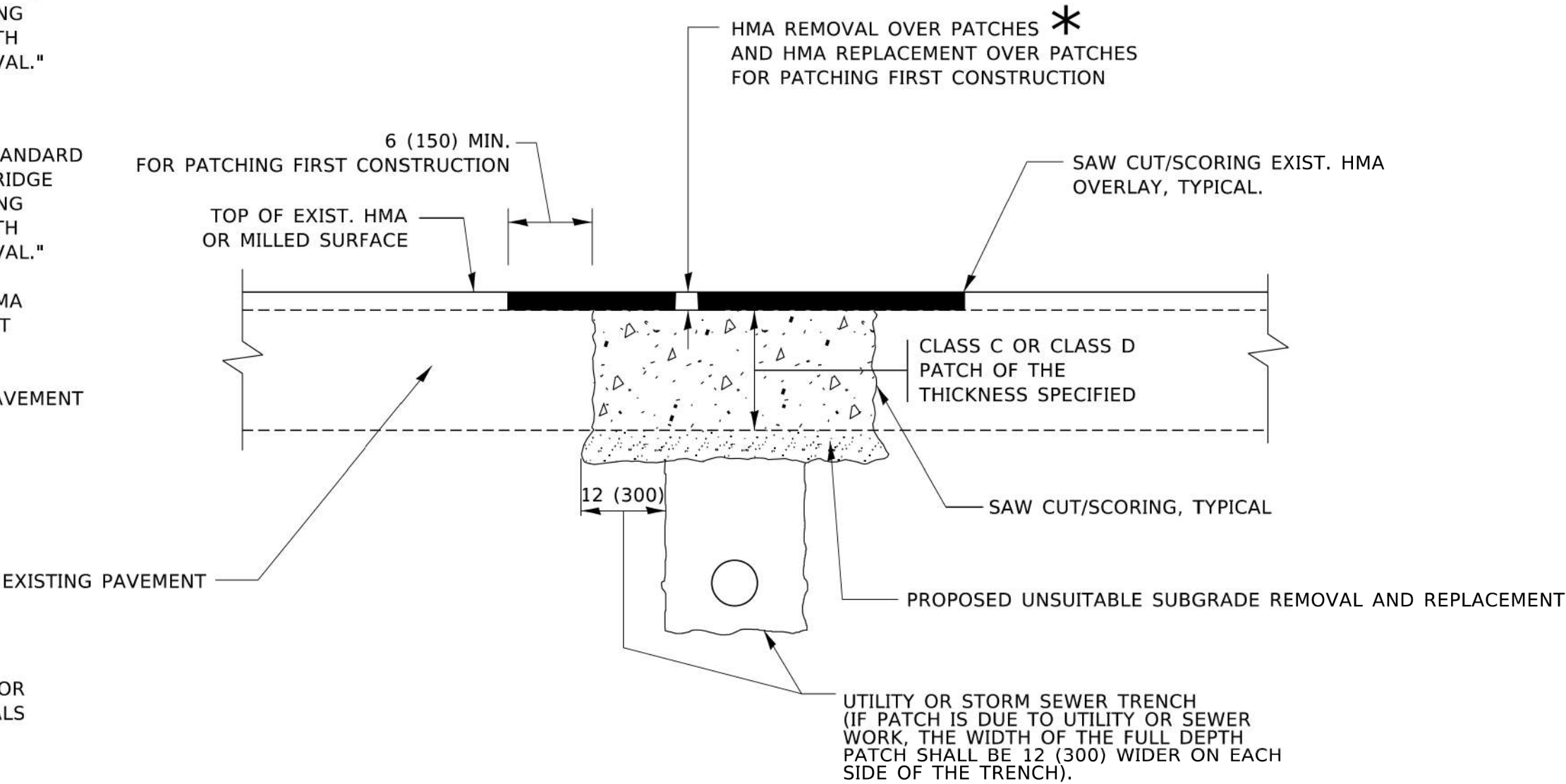
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METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

- 1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
- 2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
- 3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

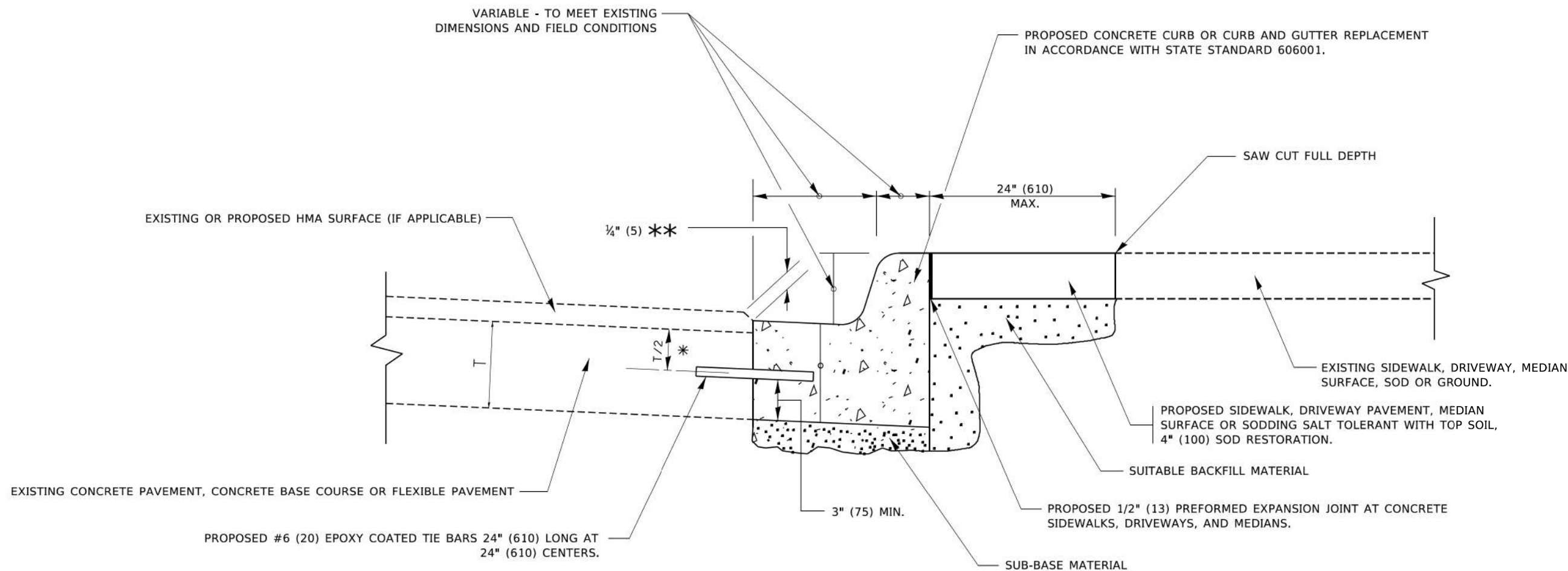
- 1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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FILE NAME: c:\pwwork\140536724\268378002-SHT-Details.dgn

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		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / 1in.	CHECKED	-	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	116
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



- ✱ 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ✱✱ IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: BD-24 [Sheet]
FILE NAME: c:\paw\k1\00536734\268378002-SHT-Details.dgn

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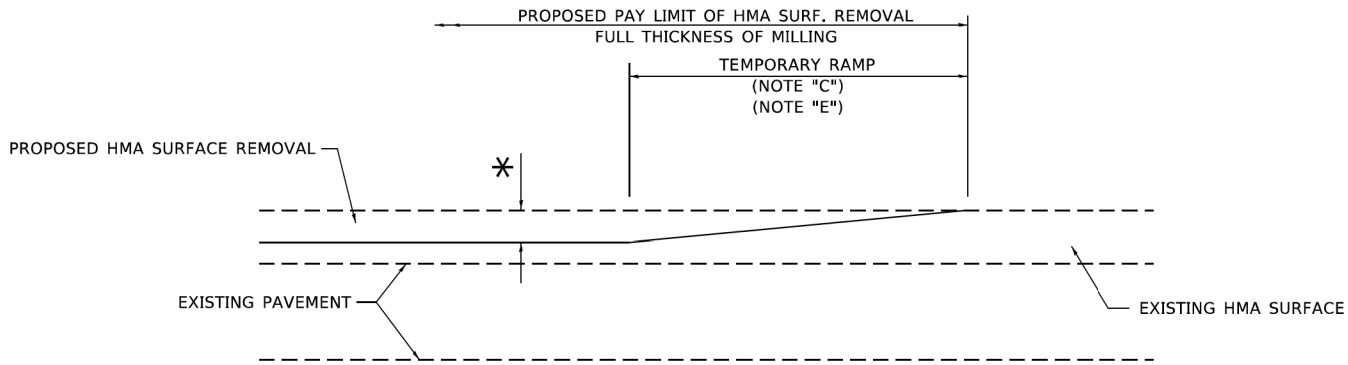
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PLOT SCALE	= 0.16666633 "/in.	CHECKED	-	REVISED	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
BD-24

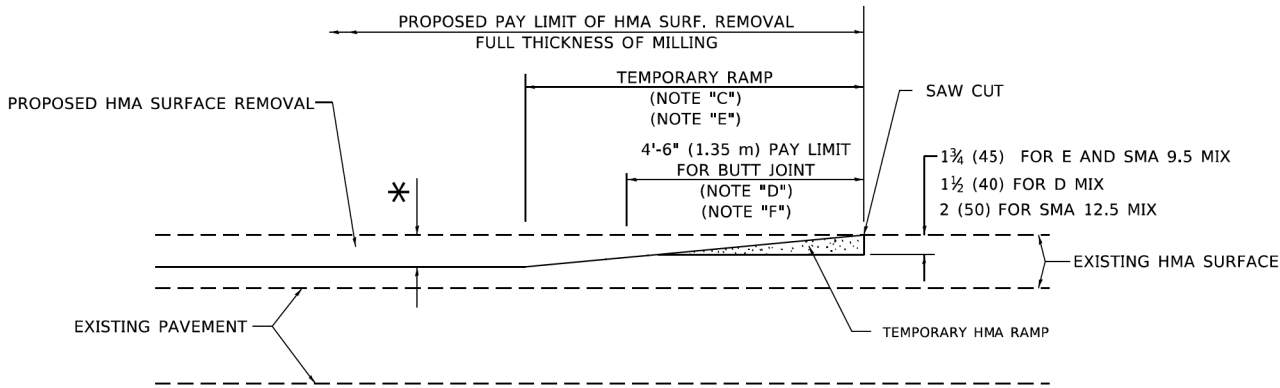
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	117
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

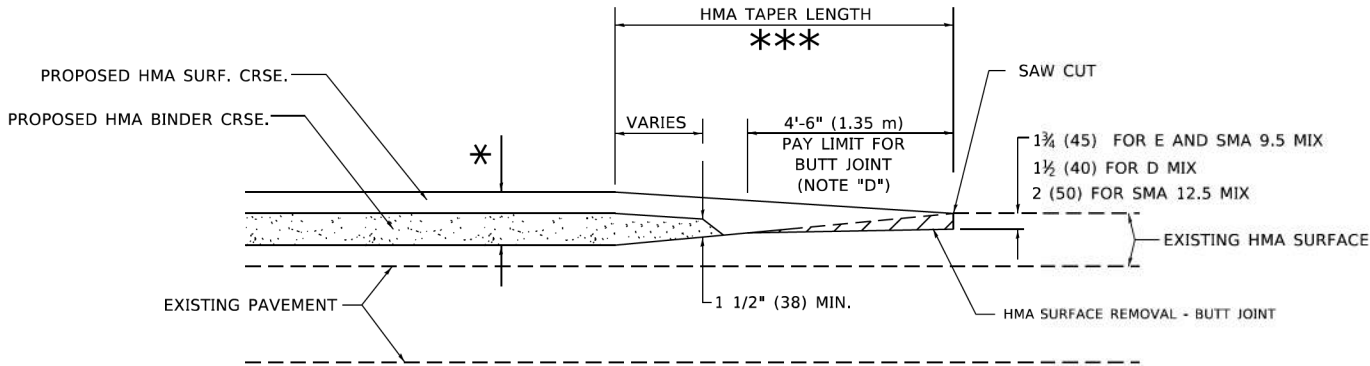
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

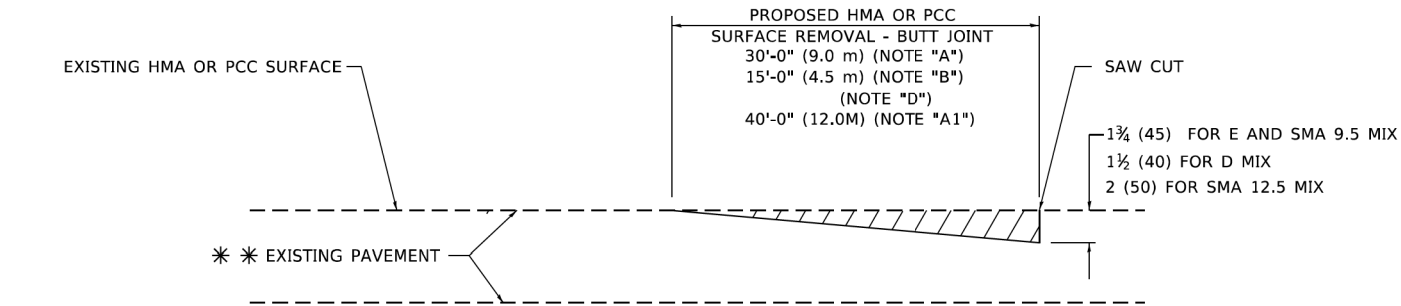
OPTION 2

TYPICAL TEMPORARY RAMP

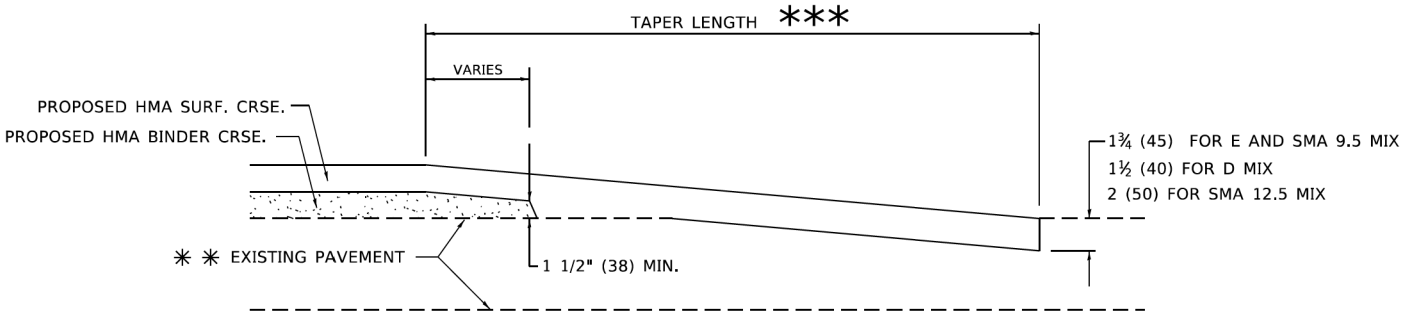


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

****** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
***** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
******* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: BD-32 [Sheet]
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USER NAME = Daniel.Garcia	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 7/8/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE DETAILS
BD-32**

SCALE: NTS SHEET 8 OF 15 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	118
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
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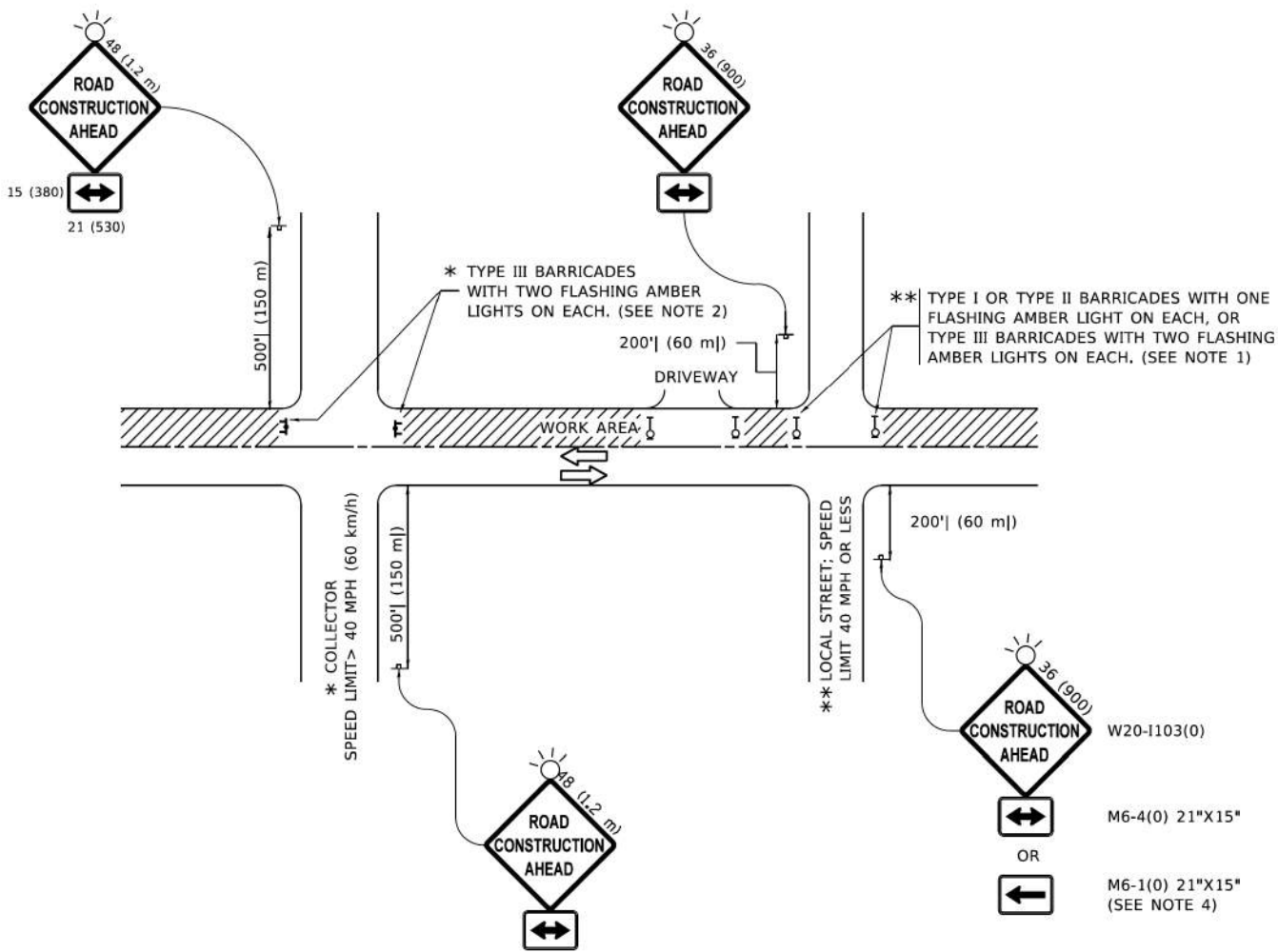
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USER NAME	= Jackson.Robbert	DESIGNED	-	REVISED	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS			
TC-10			
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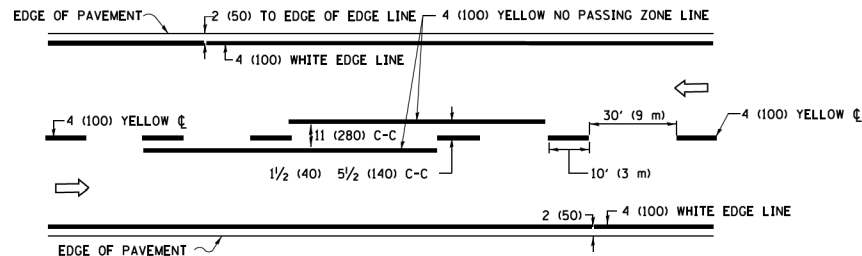
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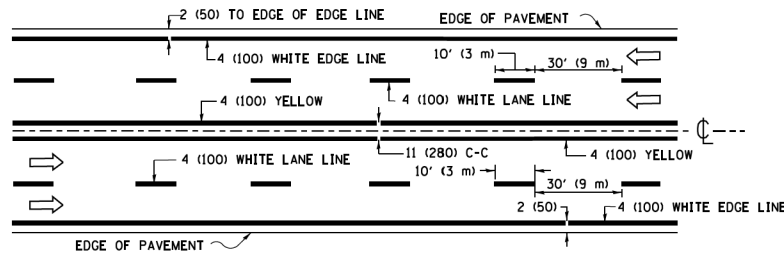
NOTES:

- 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
- SIGNING 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.

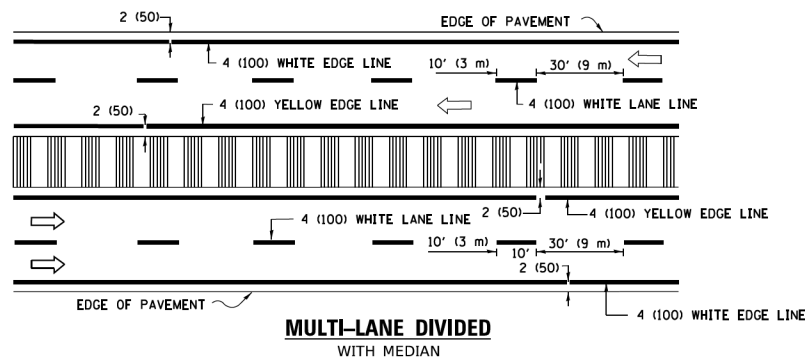
All dimensions are in inches (millimeters)
unless otherwise shown.



2-LANE ROADWAY

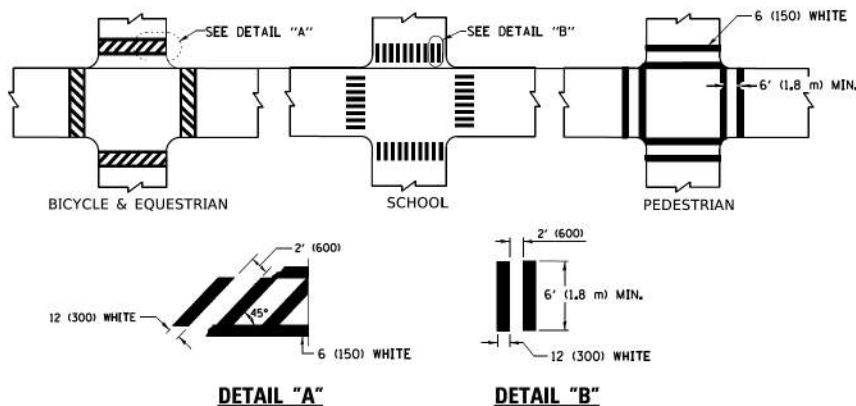


MULTI-LANE UNDIVIDED



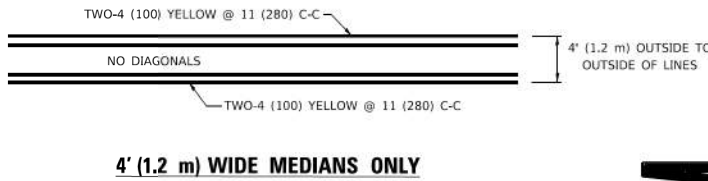
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

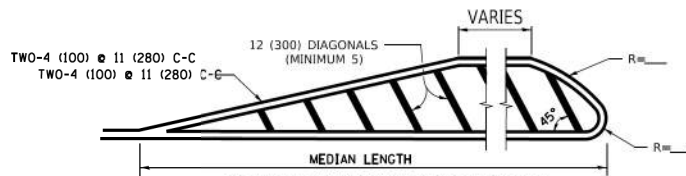


DETAIL "A" DETAIL "B" TYPICAL CROSSWALK MARKING

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

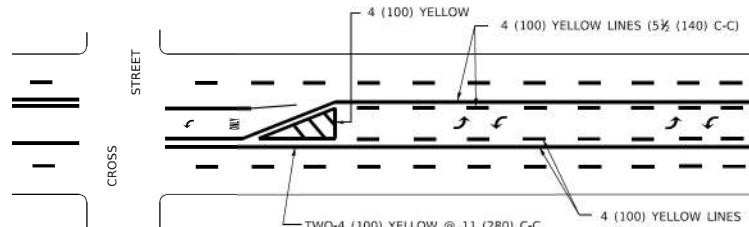


4' (1.2 m) WIDE MEDIANS ONLY

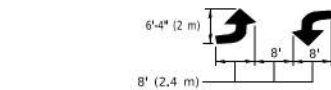


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

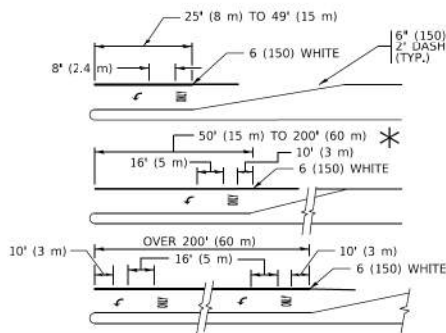
MEDIANS OVER 4' (1.2 m) WIDE



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.



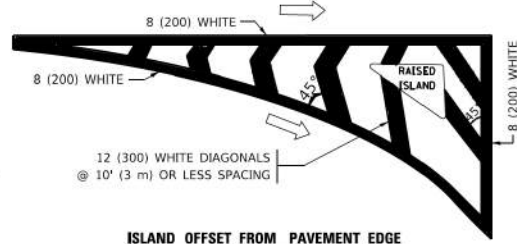
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



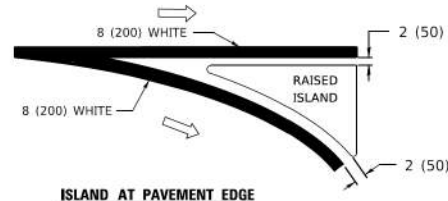
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

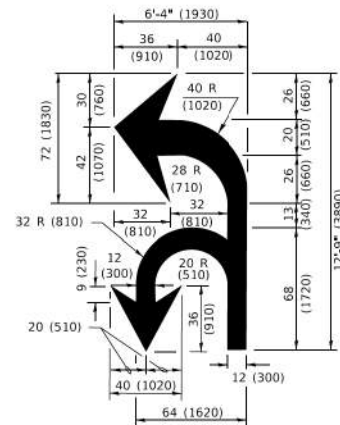


ISLAND OFFSET FROM PAVEMENT EDGE

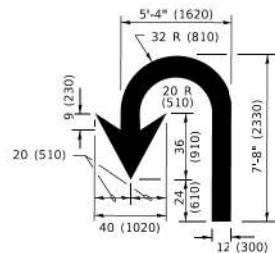


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW/ YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE 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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW 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 SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGTUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (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 AREA OF: *R* = 3.6 SQ. FT. (0.33 m ²) EACH *X* = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (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.

MODEL: TC-13
FILE NAME: c:\pwwork1\005367\4\268378002-SHT-Details.dgn

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DRAWN -
PLOT SCALE = 0.16666633" / In.
CHECKED -
PLOT DATE = 7/8/2026
DATE -

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DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
TC-13

SCALE: NTS SHEET 10 OF 15 SHEETS STA. TO STA.

F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
** 23-00358-00-TL KANE/DUPAGE 125 120
** = FAU 1503 & 1509, MUN 1157 CONTRACT NO. 61M10
ILLINOIS FED, AID PROJECT

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

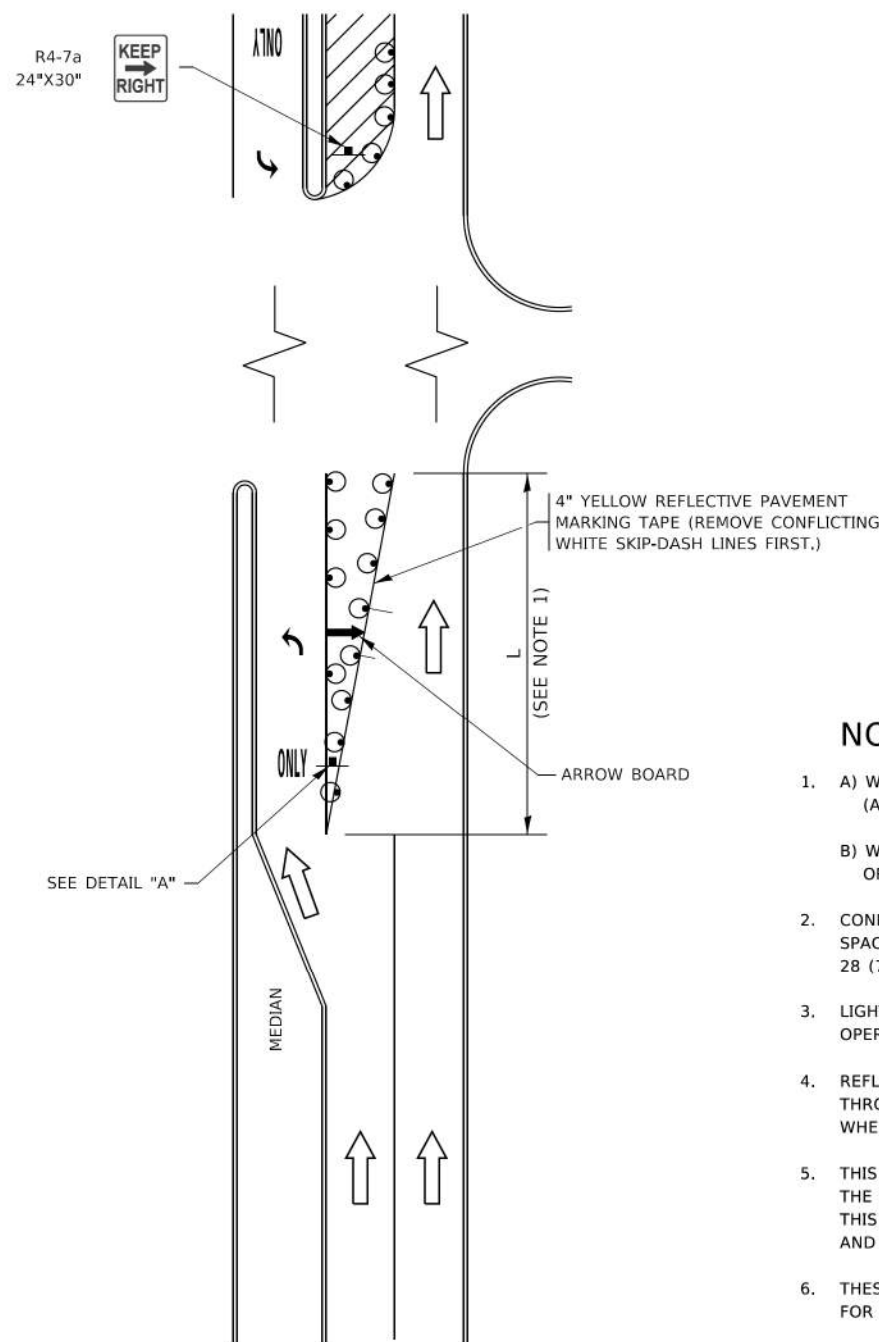


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 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.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

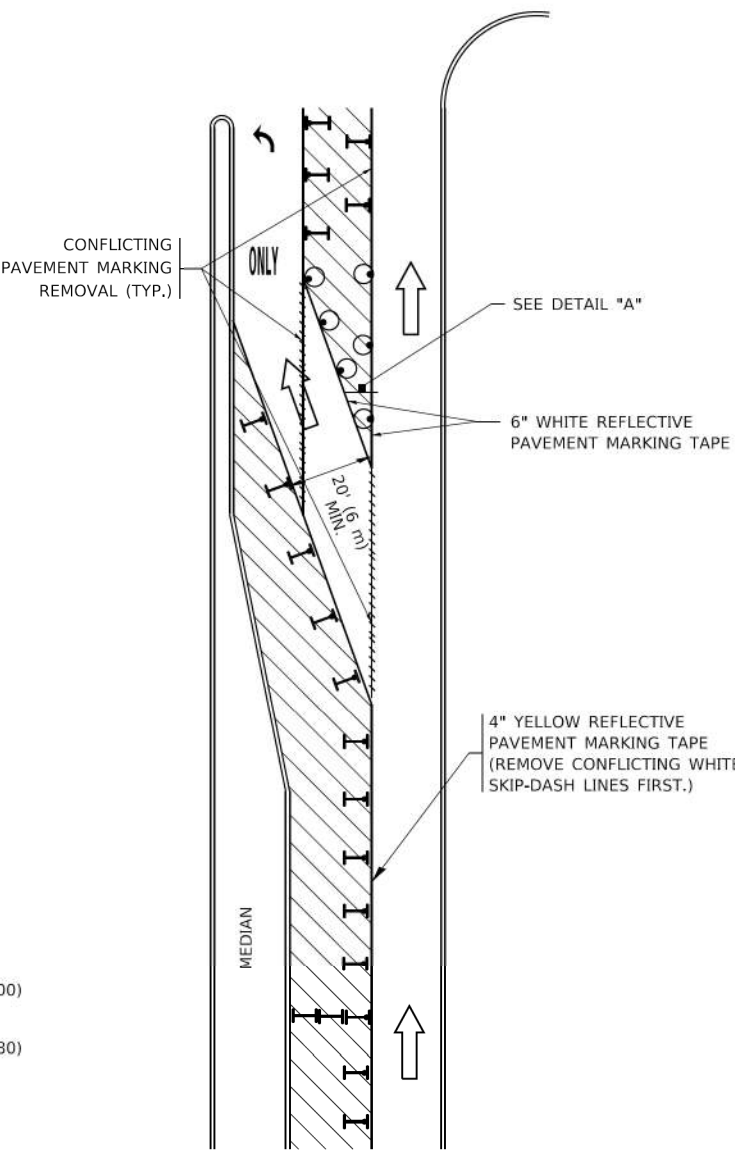
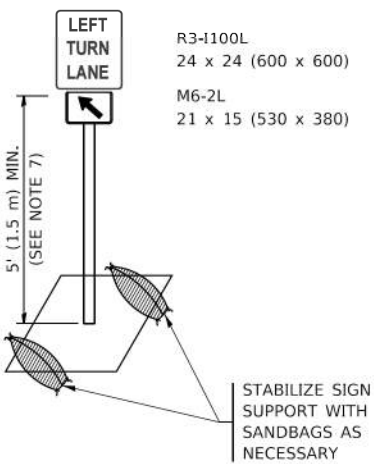


FIGURE 2



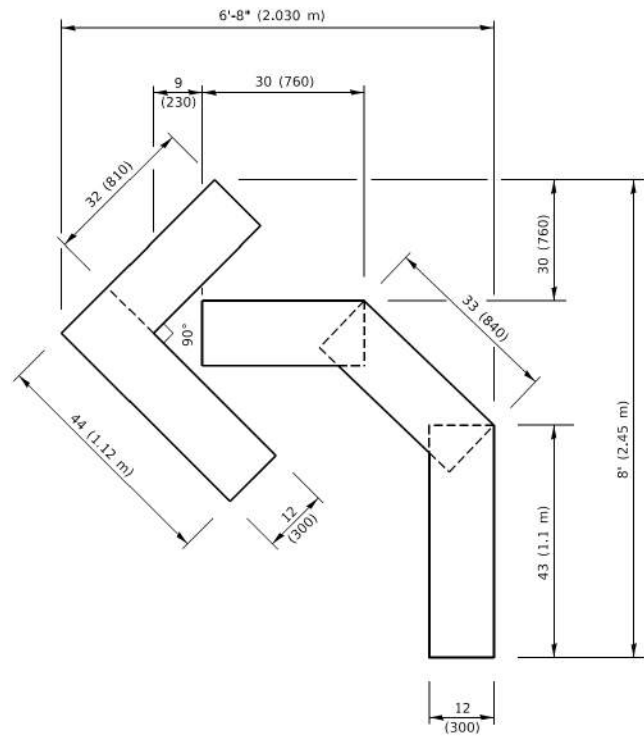
DETAIL A

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

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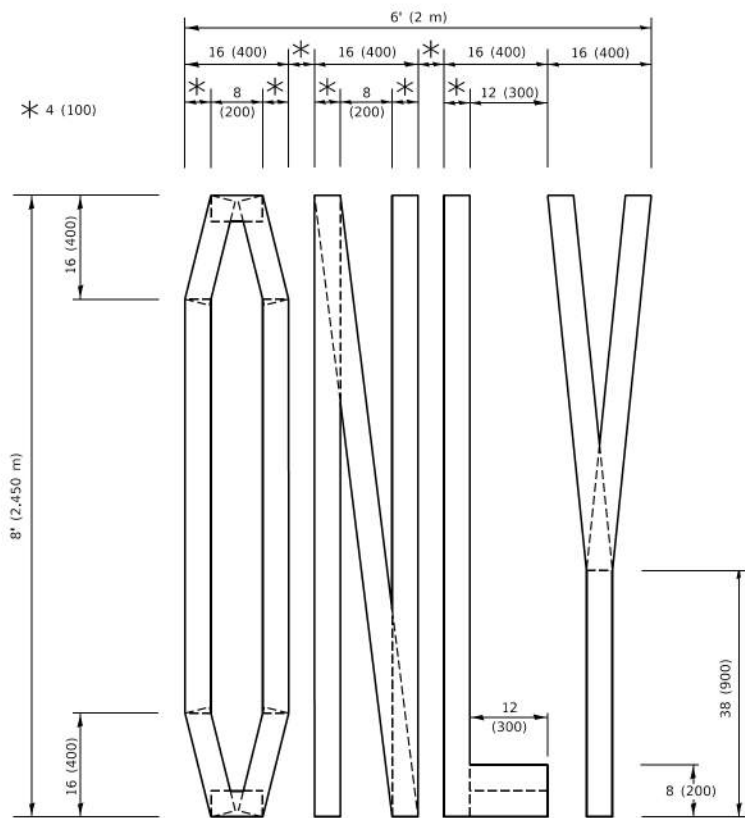
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PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	121
** = FAU 1503 & 1509, MUN 1157			CONTRACT NO. 61M10	
ILLINOIS			FED. AID PROJECT	



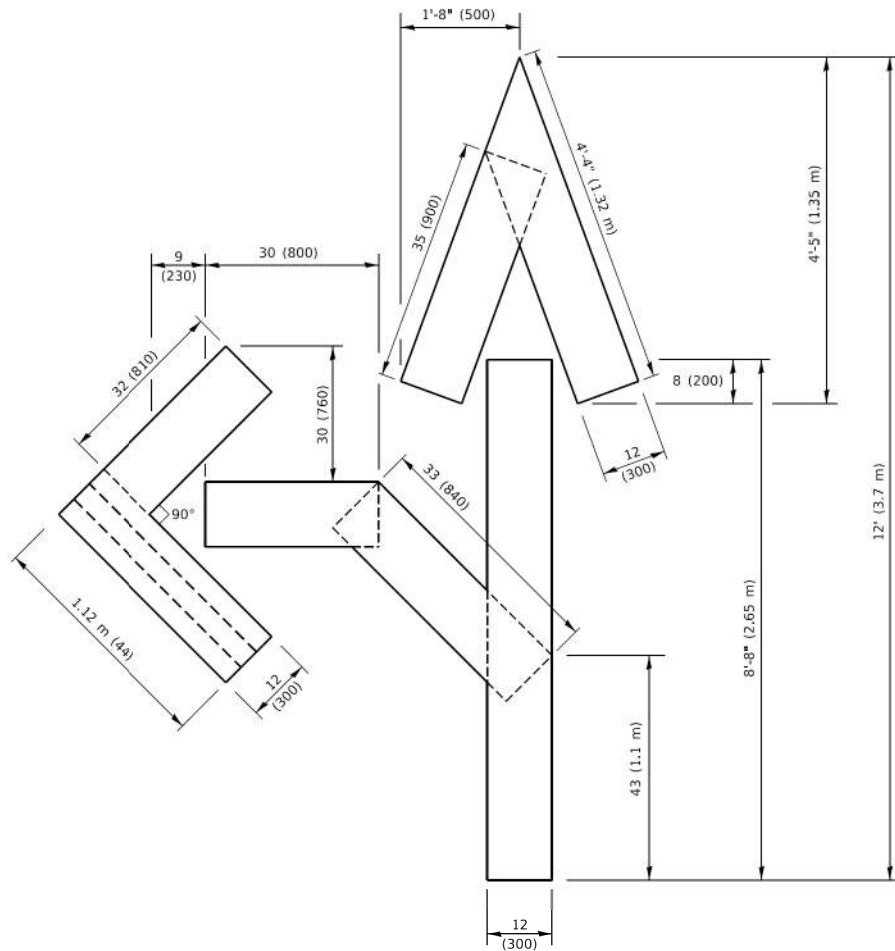
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

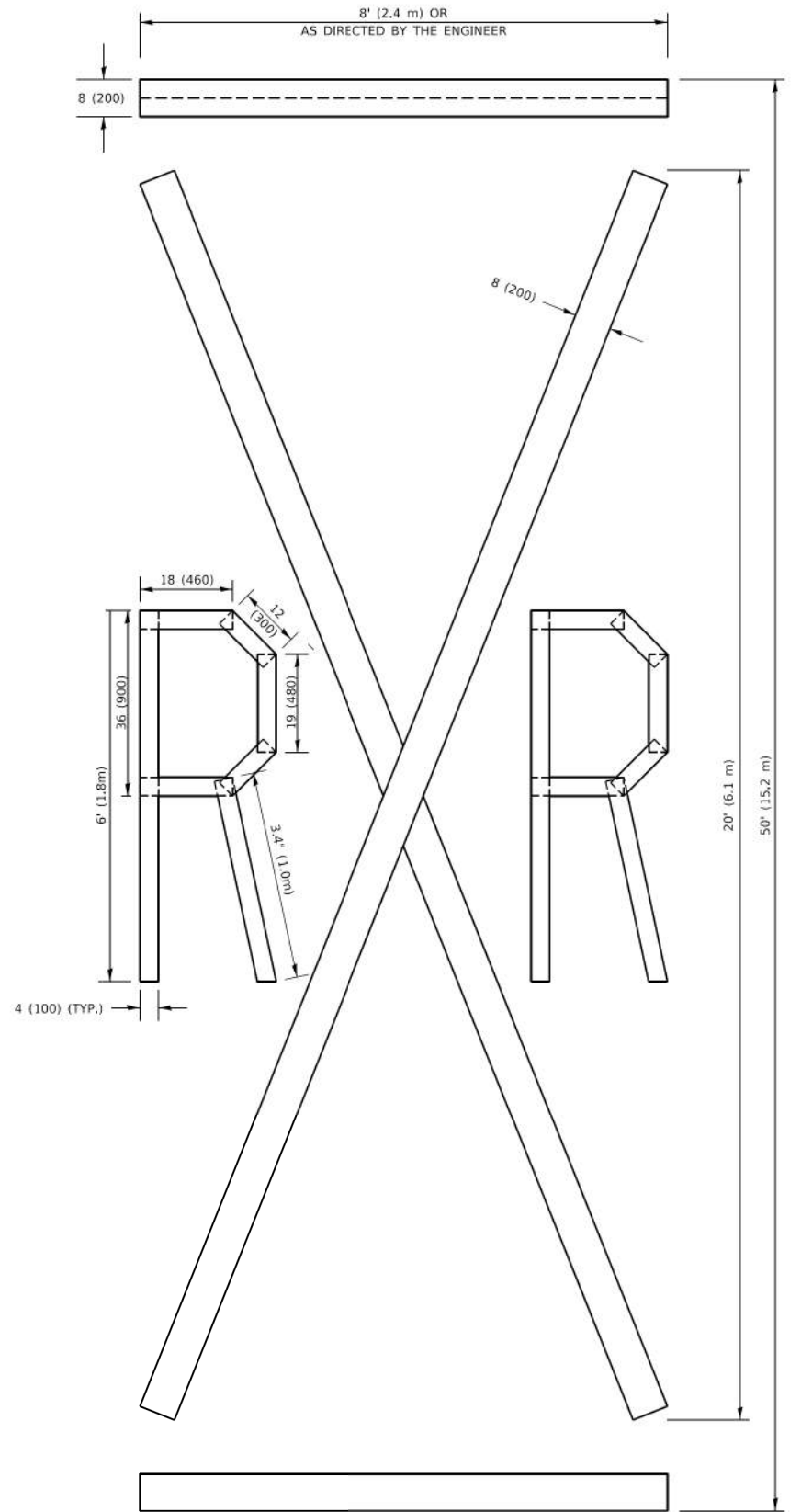


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

MODEL: TC-16
FILE NAME: c:\pwwork1\0536734\268378002-SHT-Details.dgn

Kimley»Horn

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4011 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60055
PHONE: 630-487-6555
WWW.KIMLEY-HORN.COM

USER NAME = Jackson.Robbert
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 7/8/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

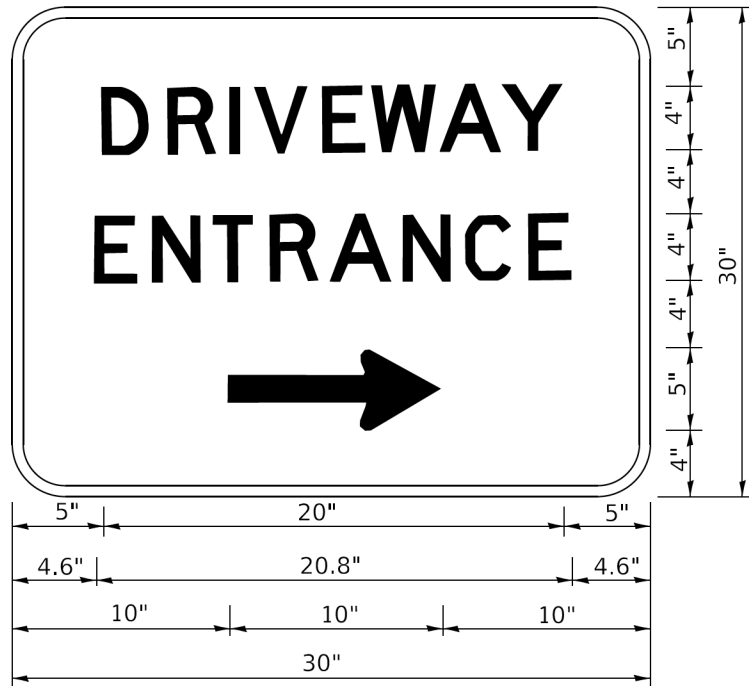
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE DETAILS
TC-16**

SCALE: NTS SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	122
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



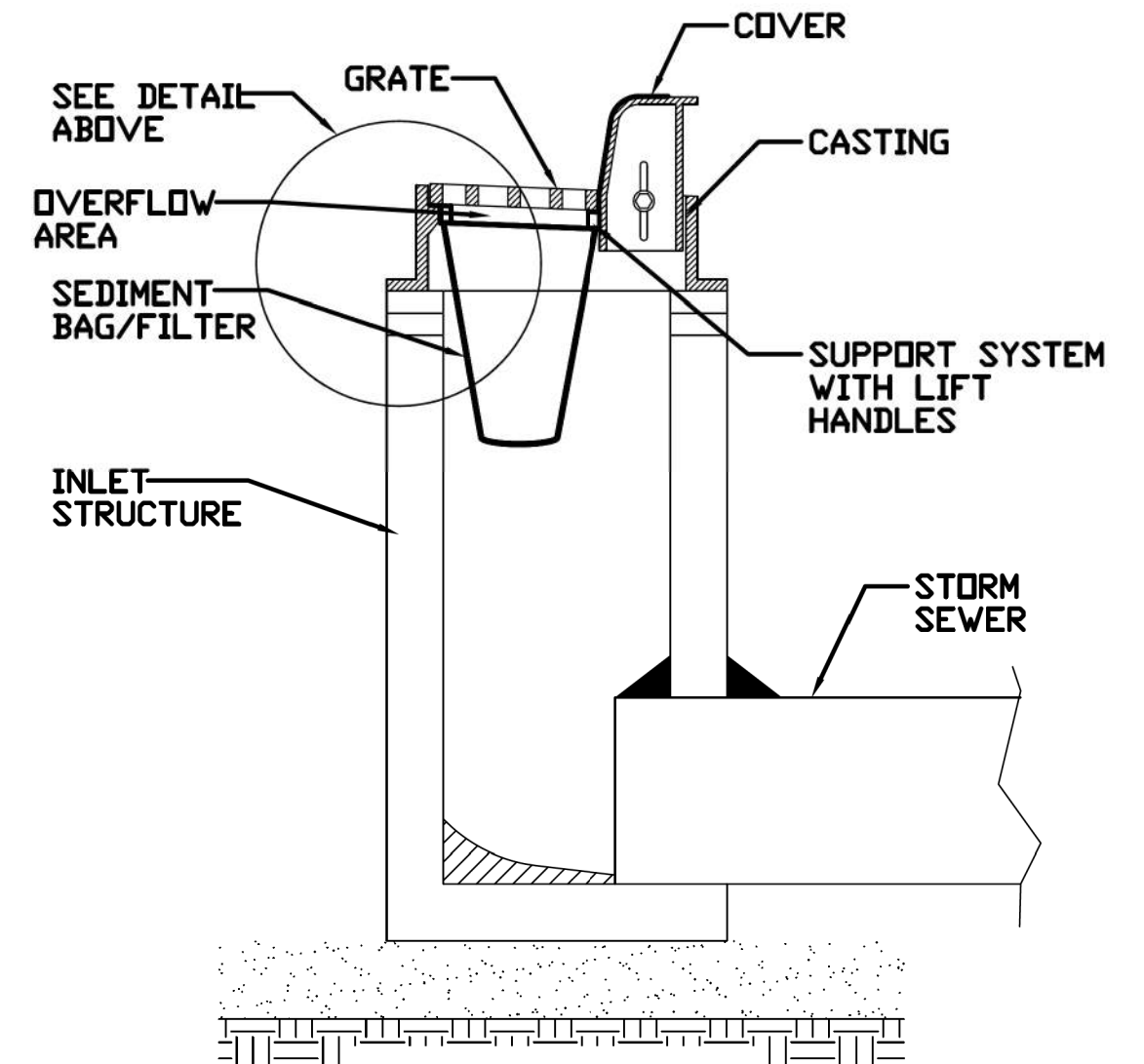
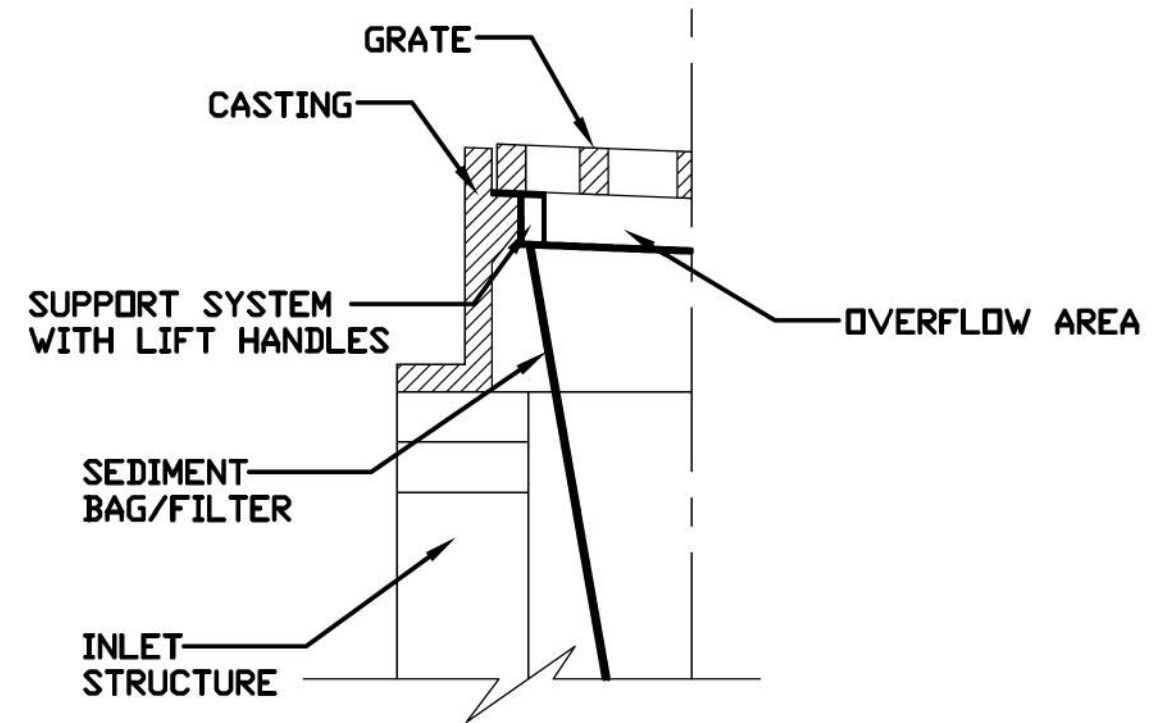
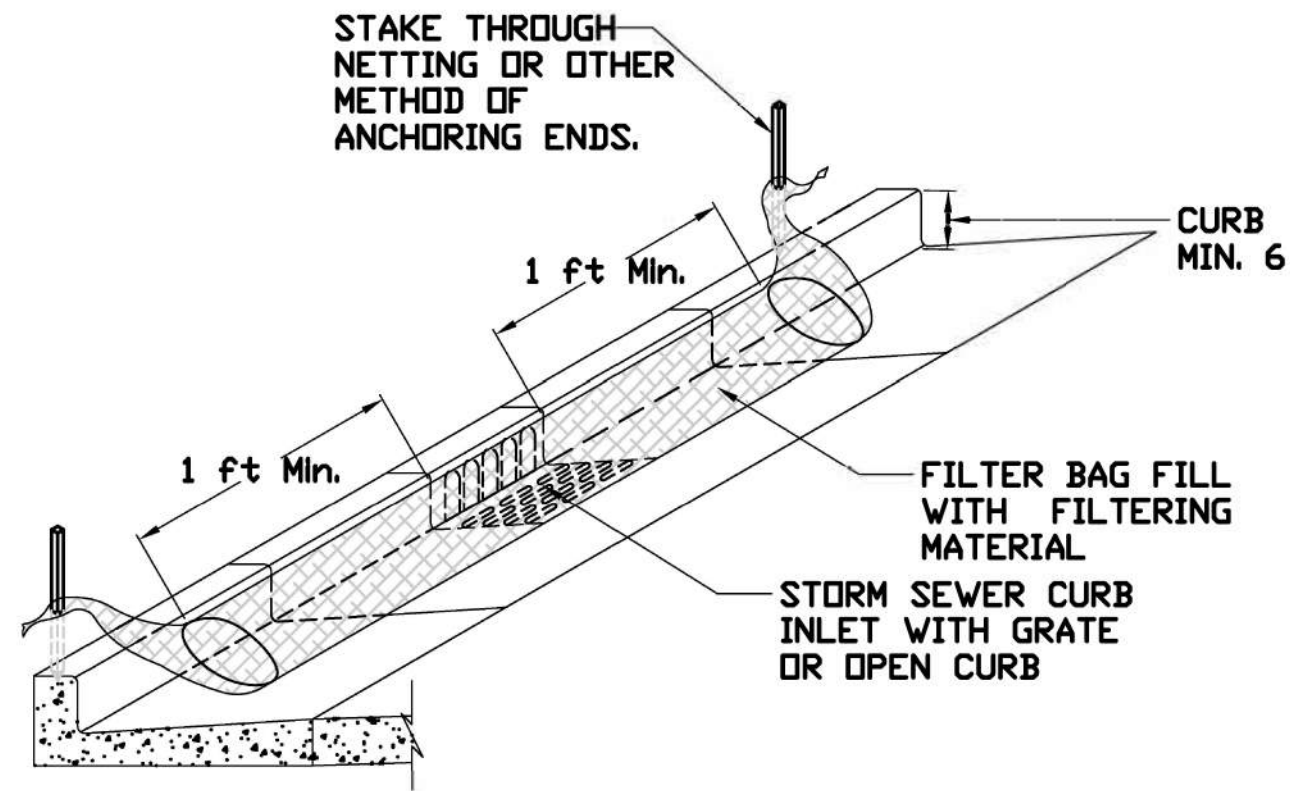
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- 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: TC-26 [Sheet]
FILE NAME: c:\p\k\h1\00536734\268378002-SHT-Details.dgn

USER NAME	= Daniel.Garcia	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 7/8/2026	DATE	-	REVISED	-

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	123
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS	FED. AID PROJECT	



MODEL: IUM-561C-561D (Sheet)
FILE NAME: c:\p\k\h\1005367\4268378002-SHT-Details.dgn

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USER NAME	= Daniel.Garcia	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
PLOT SCALE	= 0.16666633 1/16"	CHECKED	-	REVISION	-
PLOT DATE	= 7/8/2026	DATE	-	REVISION	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS URBAN MANUAL EROSION CONTROL DETAILS
561C 561D**

SCALE: NTS SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	124
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
		ILLINOIS FED. AID PROJECT		

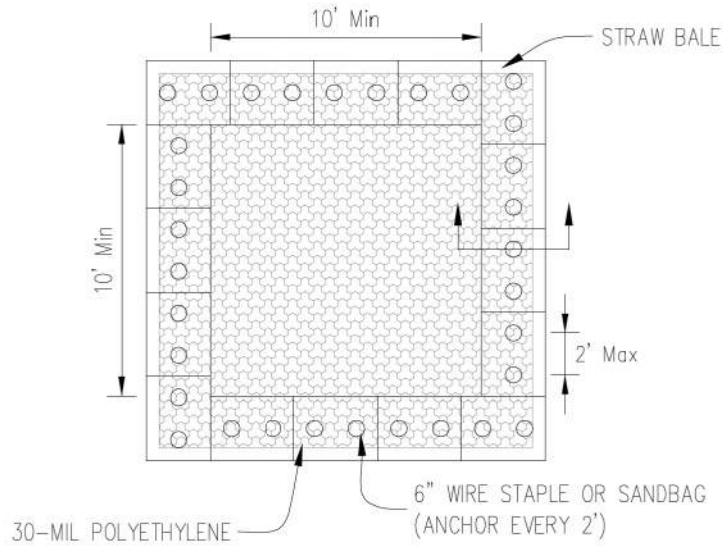
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USER NAME	= Jackson.Robbert
PLOT SCALE	= 0.16666633 ' / In.
PLOT DATE	= 7/8/2026

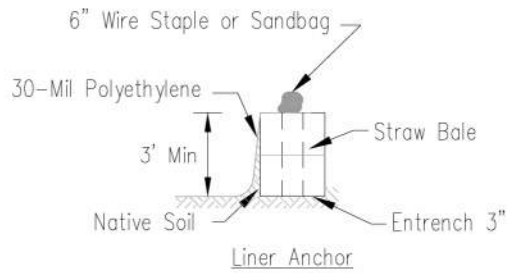
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

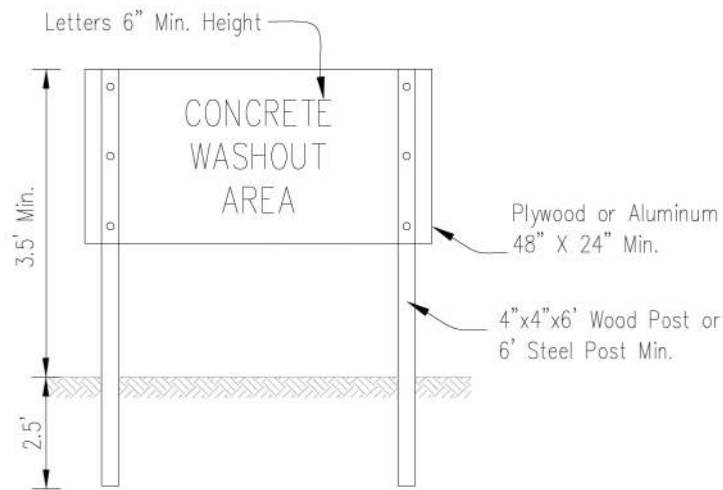
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	23-00358-00-TL	KANE/DUPAGE	125	125
** = FAU 1503 & 1509, MUN 1157		CONTRACT NO. 61M10		
ILLINOIS		FED. AID PROJECT		



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
- Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.