

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	88	1
ILLINOIS			CONTRACT NO. 80B26	

\* 68 + 2 = 70 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE  
VILLAGE OF CALUMET PARK,  
CITY OF CHICAGO & BLUE ISLAND.

**TRAFFIC DATA**  
2023 ADT  
127TH STREET = 25,600

**SPEED LIMIT**  
127TH STREET = 30 MPH

# PROPOSED HIGHWAY PLANS

FAP ROUTE 344A (127TH ST.)

LOCATION 1: 127TH ST. FROM I-57 TO S. HALSTED ST.

LOCATION 2: 127TH ST. FROM S. HALSTED ST. TO NE OF 130TH ST

LOCATION 3: VERMONT ST. FROM WESTERN AVE. TO 127TH ST.

LOCATION 4: MARSHFIELD AVE. FROM VERMONT ST. TO 127TH ST.

SECTION: 2025-2007-RS

PROJECT: NHPP - 5DC0(210)

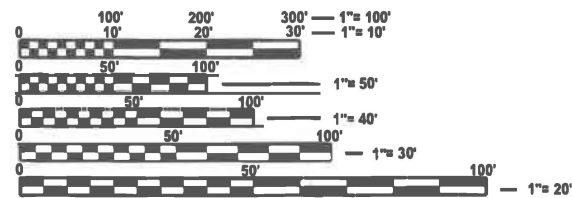
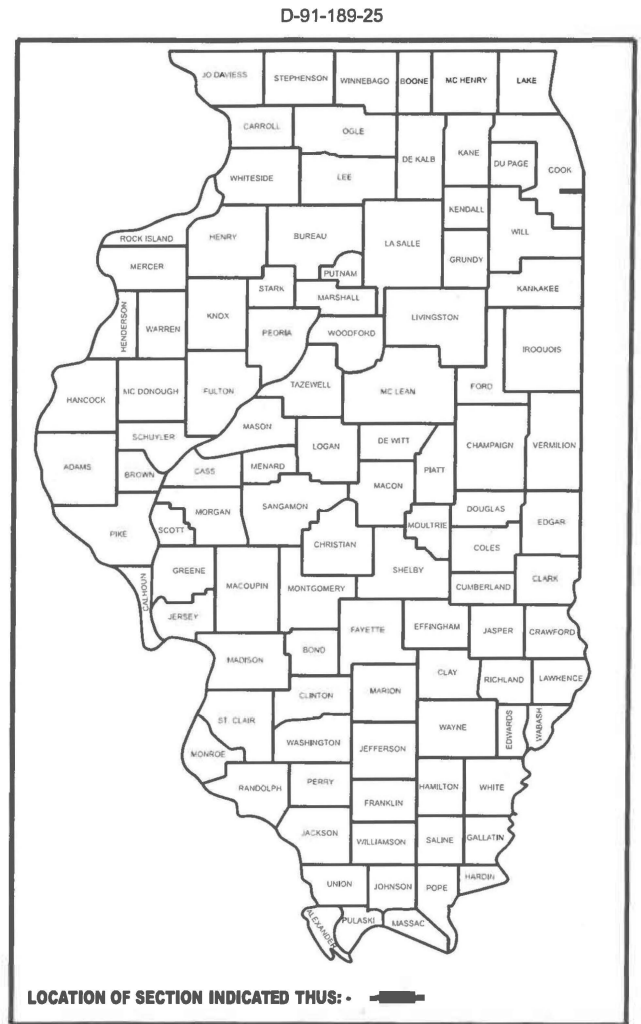
LOCATION 1: DESIGNED OVERLAY / ADA IMPROVEMENTS

LOCATION 2: PATCHING & PAVEMENT MARKING REFRESH

LOCATION 3 & 4: PAVEMENT MARKING REFRESH

COOK COUNTY

C-91-262-25



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  
CHICAGO "DIGGER"  
312-744-7000 OR 811

FOR LOCATION MAPS  
SEE SHEET NO. 3

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 1<sup>st</sup> 2025

Joseph IR  
REGIONAL ENGINEER

March 20, 2026  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20, 2026  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: RODRIGO LEDEZMA (847)705-4580  
PROJECT MANAGER: JEAN ALAIN MIDY (847) 221-3056  
CONTRACT NO. 80B26

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68 DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

**STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602016-02	CATCH BASIN TYPE D
602401-07	PRECAST MANHOLE TYPE A 4" DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
606001-08	COMBINATION CONCRETE CURB AND GUTTER
606201-04	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPERATION, FOR SPEEDS <40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES

**GENERAL NOTES**

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF CHICAGO & BLUE ISLAND AND VILLAGE OF CALUMET PARK.
2. THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
3. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
6. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. THE RESIDENT ENGINEER SHALL CONTACT PARTRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
8. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
9. ALL PAVEMENT PATCHING LOCATIONS WILL DETERMINED IN THE FIELD BY THE ENGINEER.
10. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
11. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
12. 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
13. THE COST OF SURFACE REMOVAL IN THE GUTTER FLAG SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE REMOVAL 3¾" PAY ITEM.
14. ALL COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
19. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
15. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
16. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
17. ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS, & GENERAL NOTES  
VARIOUS AT VARIOUS**

SCALE: SHEET OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	2
			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				

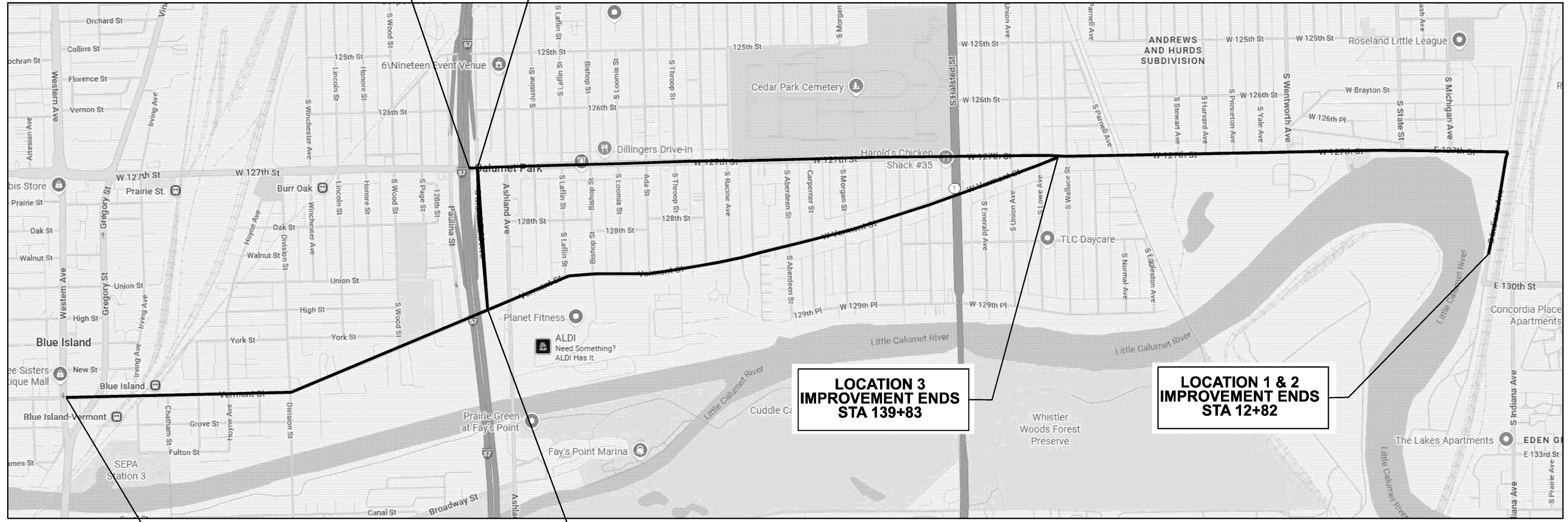
**LOCATION 1 & 2  
IMPROVEMENT BEGINS  
STA 25+60**

**LOCATION 1 & 2  
STATION EQUATION  
STA 148+02 / STA 25+79**

**LOCATION 4  
IMPROVEMENT BEGINS  
STA 26+02**

**R 14 E**

**T 37 N**



**LOCATION 3  
IMPROVEMENT ENDS  
STA 139+83**

**LOCATION 1 & 2  
IMPROVEMENT ENDS  
STA 12+82**

**LOCATION 3  
IMPROVEMENT BEGINS  
STA 16+88**

**LOCATION 4  
IMPROVEMENT ENDS  
STA 10+63**

**CALUMET TOWNSHIP & CITY OF CHICAGO  
GROSS & NET LENGTH = 27,477 FT. = 5.204 MILE**

**SCOPE**  
**LOCATION 1: DESIGNED OVERLAY / ADA IMPROVEMENTS**  
**LOCATION 2: PATCHING & PAVEMENT MARKING REFRESH**  
**LOCATION 3 & 4: PAVEMENT MARKING REFRESH**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP  
VARIOUS AT VARIOUS**

SCALE: SHEET OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	3
CONTRACT NO. 80B26			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	ROADWAY	SIGNAL	ROADWAY	ROADWAY
				80% FED 20% STATE (LOC 1)	100% STATE (LOC 1)	80% FED 20% STATE (LOC 2)	80% FED 20% STATE (LOC 1)	80% FED 20% STATE (LOC 3)	80% FED 20% STATE (LOC 4)
Code No.	Item	Unit	Total Quantity	0005	0005	0005	0021	0005	0005
20200100	EARTH EXCAVATION	CU YD	100	100	0	0	0	0	0
20800150	TRENCH BACKFILL	CU YD	70	70	0	0	0	0	0
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	50	50	0	0	0	0	0
25200110	SODDING, SALT TOLERANT	SQ YD	50	50	0	0	0	0	0
25200200	SUPPLEMENTAL WATERING	UNIT	1	1	0	0	0	0	0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	22200	22200	0	0	0	0	0
40600370	LONGITUDINAL JOINT SEALANT	FOOT	19600	19600	0	0	0	0	0
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	51	51	0	0	0	0	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	530	530	0	0	0	0	0
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	493	493	0	0	0	0	0
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	3	3	0	0	0	0	0
40605005	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT 9.5, N80	TON	3792	3792	0	0	0	0	0
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	3318	3318	0	0	0	0	0
42001300	PROTECTIVE COAT	SQ YD	850	850	0	0	0	0	0
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	50	50	0	0	0	0	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3261	3261	0	0	0	0	0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	24	24	0	0	0	0	0
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	33855	33855	0	0	0	0	0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	50	50	0	0	0	0	0
44000600	SIDEWALK REMOVAL	SQ FT	3110	3110	0	0	0	0	0
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	2200	2200	0	0	0	0	0

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	ROADWAY	SIGNAL	ROADWAY	ROADWAY
				80% FED 20% STATE (LOC 1)	100% STATE (LOC 1)	80% FED 20% STATE (LOC 2)	80% FED 20% STATE (LOC 1)	80% FED 20% STATE (LOC 3)	80% FED 20% STATE (LOC 4)
Code No.	Item	Unit	Total Quantity	0005	0005	0005	0021	0005	0005
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	868	868	0	0	0	0	0
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1000	1000	0	0	0	0	0
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	400	400	0	0	0	0	0
550A0340	STORM SEWERS, CLASS A, TYPE 2 1/2"	FOOT	261	261					
55100200	STORM SEWER REMOVAL 6"	FOOT	60	60	0	0	0	0	0
55100300	STORM SEWER REMOVAL 8"	FOOT	40	40	0	0	0	0	0
55100400	STORM SEWER REMOVAL 10"	FOOT	98	98	0	0	0	0	0
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	0	0	0	0	0
60200905	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	1	1	0	0	0	0	0
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	0	0	0	0	0
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0	0	0	0
60211400	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	6	6	0	0	0	0	0
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND CLOSE LID	EACH	3	3					
60250200	CATCH BASINS TO BE ADJUSTED	EACH	24	24	0	0	0	0	0
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	11	11	0	0	0	0	0
60255500	MANHOLES TO BE ADJUSTED	EACH	13	13	0	0	0	0	0
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	5					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1	0	0	0	0	0
60266600	VALVE BOXES TO BE ADJUSTED	EACH	3	3	0	0	0	0	0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	59	59	0	0	0	0	0
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	10	10	0	0	0	0	0
60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	1	1	0	0	0	0	0
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	3	0	0	0	0	0

\* SPECIALTY ITEM

△ NON-PARTICIPATING ITEMS

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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
VARIOUS AT VARIOUS

SCALE: SHEET OF 3 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	4
CONTRACT NO. 80B26			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	ROADWAY	SIGNAL	ROADWAY	ROADWAY
				80% FED 20% STATE	100% STATE	80% FED 20% STATE (LOC 2)	80% FED 20% STATE (LOC 1)	80% FED 20% STATE (LOC 3)	80% FED 20% STATE (LOC 4)
Code No.	Item	Unit	Total Quantity	0005	0005	0005	0021	0005	0005
60500040	REMOVING MANHOLES	EACH	1	1	0	0	0	0	0
60500060	REMOVING INLETS	EACH	4	4	0	0	0	0	0
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	100	0	0	0	0	0
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	0	0	0	0	0
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	0	0	0	0	0
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	0	0	0	0	0
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	3	0	0	0	0	0
67100100	MOBILIZATION	L SUM	1	1	0	0	0	0	0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	0	0	0	0	0
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	0	0	0	0	0
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	0	0	0	0	0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0	0	0	0	0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0	0	0	0	0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	65285	65285	0	0	0	0	0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	21762	21762	0	0	0	0	0
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	194	194	0	0	0	0	0
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	24550	24550	0	0	0	0	0
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	640	640	0	0	0	0	0
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	417	417	0	0	0	0	0
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	350	350	0	0	0	0	0
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	9565	9565	0	0	0	0	0

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	ROADWAY	SIGNAL	ROADWAY	ROADWAY
				80% FED 20% STATE	100% STATE	80% FED 20% STATE (LOC 2)	80% FED 20% STATE (LOC 1)	80% FED 20% STATE (LOC 3)	80% FED 20% STATE (LOC 4)
Code No.	Item	Unit	Total Quantity	0005	0005	0005	0021	0005	0005
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	194	194	0	0	0	0	0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14900	14900	0	0	0	0	0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	585	585	0	0	0	0	0
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	417	417	0	0	0	0	0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	350	350	0	0	0	0	0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	3577	3577	0	0	0	0	0
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	745	0	0	0	0	630	115
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4	FOOT	16295	0	0	10225	0	5745	325
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	6121	0	0	21	0	5745	355
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	146	0	0	0	0	71	75
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	503	0	0	13	0	490	0
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	11914	0	0	5464	0	6450	0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	540	540	0	0	0	0	0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	450	450	0	0	0	0	0
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	150	150	0	0	0	0	0
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	103	0	0	0	103	0	0
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	23	0	0	0	23	0	0
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5	0	0	0	5	0	0
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2435	0	0	0	2435	0	0
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2070	0	0	0	2070	0	0
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1040	0	0	0	1040	0	0

\* SPECIALTY ITEM      △ NON-PARTICIPATING ITEMS

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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
VARIOUS AT VARIOUS**

SCALE: SHEET OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	5
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	ROADWAY	SIGNAL	ROADWAY	ROADWAY
				80% FED 20% STATE (LOC 1)	100% STATE (LOC 1)	80% FED 20% STATE (LOC 2)	80% FED 20% STATE (LOC 1)	80% FED 20% STATE (LOC 3)	80% FED 20% STATE (LOC 4)
Code No.	Item	Unit	Total Quantity	0005	0005	0005	0021	0005	0005
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	260	0	0	0	260	0	0
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2365	0	0	0	2365	0	0
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	315	0	0	0	315	0	0
* 87501200	TRAFFIC SIGNAL POST, 16 FT	EACH	5	0	0	0	5	0	0
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	0	0	0	16	0	0
* 87900200	DRILL EXISTING HANDHOLE	EACH	12	0	0	0	12	0	0
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	0	0	0	14	0	0
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4	0	0	0	4	0	0
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2274	0	0	0	2274	0	0
* 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	8	0	0	0	8	0	0
* 89502200	MODIFY EXISTING CONTROLLER	EACH	2	0	0	0	2	0	0
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4460	0	0	0	4460	0	0
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	0	0	0	4	0	0
* 89502376	REBUILD EXISTING HANDHOLE	EACH	11	0	0	0	11	0	0
* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1	0	0	0	1	0	0
* 89502380	REMOVE EXISTING HANDHOLE	EACH	4	0	0	0	4	0	0
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	0	0	0	4	0	0
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1	0	0	0	0	0
X0327301	RELOCATE EXISTING MAILBOX	EACH	1	1	0	0	0	0	0
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3	0	0	0	3	0	0
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6	0	0	0	6	0	0

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	ROADWAY	SIGNAL	ROADWAY	ROADWAY
				80% FED 20% STATE (LOC 1)	100% STATE (LOC 1)	80% FED 20% STATE (LOC 2)	80% FED 20% STATE (LOC 1)	80% FED 20% STATE (LOC 3)	80% FED 20% STATE (LOC 4)
Code No.	Item	Unit	Total Quantity	0005	0005	0005	0021	0005	0005
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	390	390	0	0	0	0	0
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	900	900	0	0	0	0	0
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	200	200	0	0	0	0	0
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1800	1800	0	0	0	0	0
X4420815	CLASS D PATCHES, TYPE II, 14 INCH (SPECIAL)	SQ YD	800	0	0	800	0	0	0
X4420819	CLASS D PATCHES, TYPE III, 14 INCH (SPECIAL)	SQ YD	800	0	0	800	0	0	0
X4420821	CLASS D PATCHES, TYPE IV, 14 INCH (SPECIAL)	SQ YD	200	0	0	200	0	0	0
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	50	50	0	0	0	0	0
X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	6	6	0	0	0	0	0
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1500	0	1500	0	0	0	0
X6020133	DROP MANHOLE CONNECTION	EACH	1	1	0	0	0	0	0
X6022830	MANHOLES, SANITARY, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	0	0	0	0	0
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	50	50	0	0	0	0	0
X6700407	ENGINEER'S FIELD OFFICE, TYPEA (D1)	CAL MO	12	12	0	0	0	0	0
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	30	0	0	0	30	0	0
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	36	0	0	0	36	0	0
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	100	0	100	0	0	0	0
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	154.2	154.2	0	0	0	0	0
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	4	0	0	0	4	0	0
Z0050400	REMOVE AND REPLACE ANCHOR BOLTS	EACH	1	0	0	0	1	0	0
Z0058648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	41	41	0	0	0	0	0
∅ Z0076600	TRAINEES	HOUR	500	500					
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

SPECIALTY ITEM

△ NON-PARTICIPATING ITEMS

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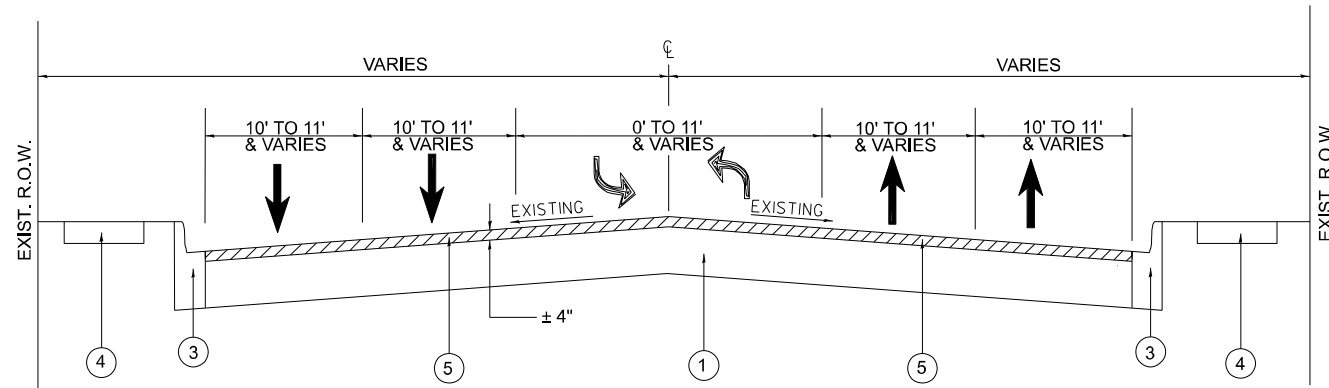
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

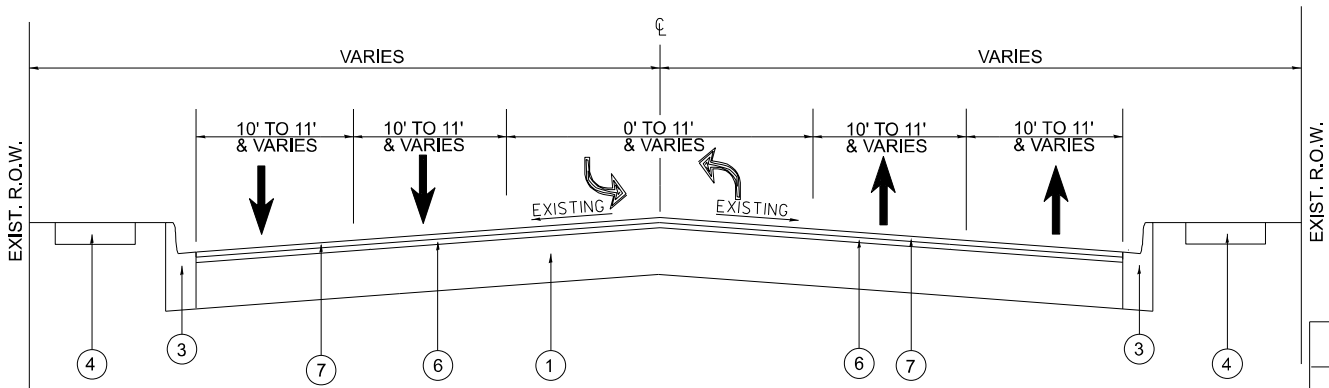
SUMMARY OF QUANTITIES  
VARIOUS AT VARIOUS

SCALE: SHEET OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	6
CONTRACT NO. 80B26			0042	
ILLINOIS FED. AID PROJECT				



**127TH STREET  
EXISTING TYPICAL SECTION**  
STA. 25+64 TO STA. 83+28



**127TH STREET  
PROPOSED TYPICAL SECTION**  
STA. 25+64 TO STA. 83+28

**LEGEND**

- ① EXIST. P.C.C. PAVEMENT ± 8½"
- ② EXIST. HOT-MIX ASPHALT PAVEMENT ± 5½"
- ③ EXIST. COMBINATION CONCRETE CURB AND GUTTER
- ④ EXIST. P.C.C. SIDEWALK
- ⑤ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3¾"
- ⑥ PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, IL-9.5, N80, 2"
- ⑦ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, IL 9.5, MIX "F", N80, 1¾"

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	VOIDS © Ndes	
<b>PAVEMENT RESURFACING</b>		
PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, IL 9.5, MIX "F", N80, 1¾"	3.5% @ 80 GYR.	QCP
PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, IL-9.5, N80, 2"	3.5% @ 80 GYR.	QCP
<b>CLASS D PATCHES</b>		
CLASS D PATCHES (HOT-MIX ASPHALT BINDER COURSE, IL-19.0), 10"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER COURSE, IL-19.0), 4"	4% @ 70 GYR.	QC/QA
<b>CLASS D PATCHES, 14 INCH (SPECIAL)</b>		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 12"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR.	QC/QA
<b>TEMPORARY RAMPS (SPECIAL)</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	4% @ 70 GYR.	QC/QA
<b>SURFACE RESTORATION</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR.	QC/QA
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); PAY FOR PERFORMANCE (PFP)		

**NOTE:**

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN
- 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.

**NOTES**

- THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLY. HMA BINDER COURSE, SMA, IL-9.5, N80

MODEL: Typical Section (Sheet)  
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

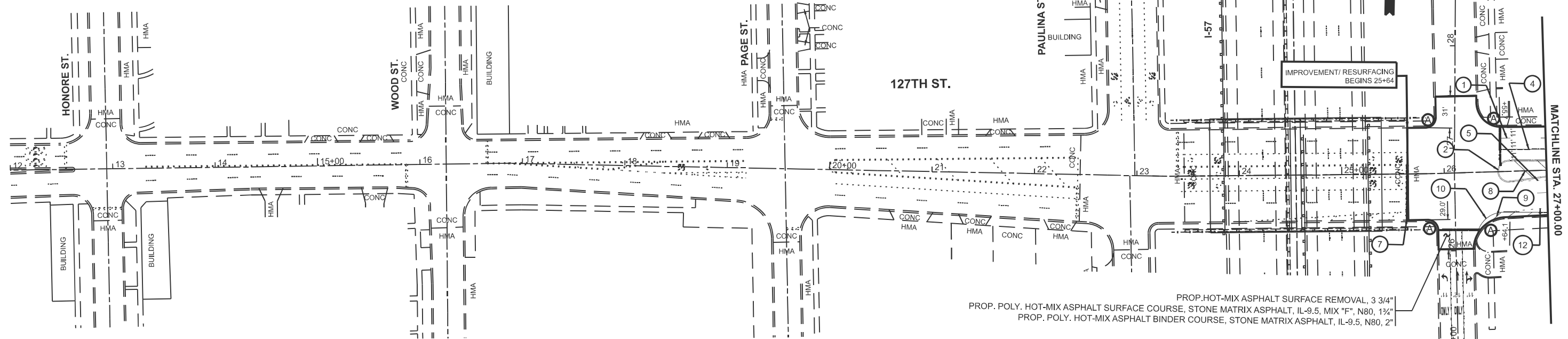
**EXISTING AND PROPOSED TYPICAL SECTIONS  
127TH FROM I-57 TO NE OF HALSTED ST.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	7
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

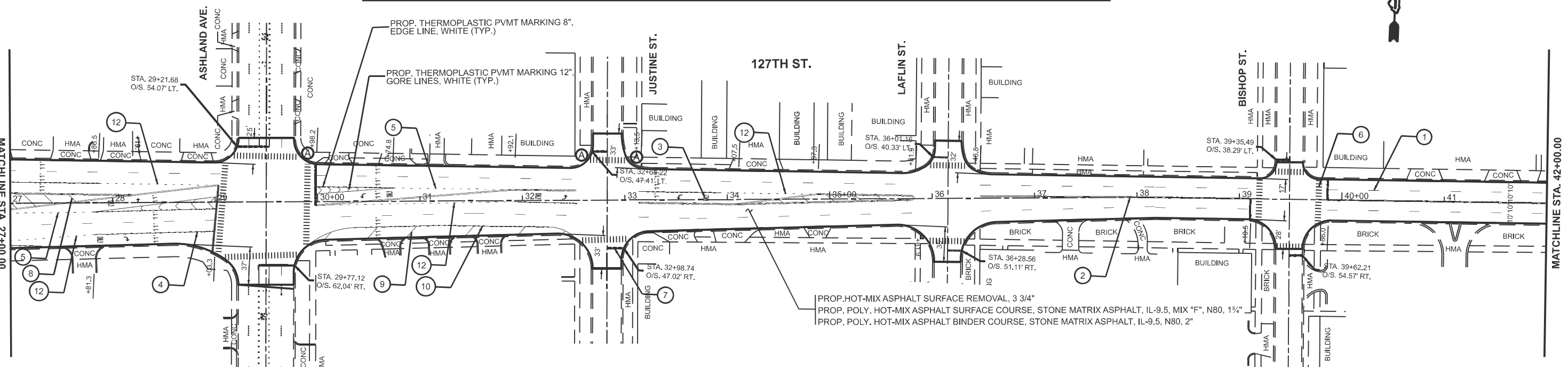
**SIDEWALK LEGEND**

- (A) PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS
- (B) PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING TILE FULL WIDTH



**PAVEMENT MARKING LEGEND (IDOT TC-13)**

- |  |   |  |
|--|---|--|
| (1) PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | (5) PROP. THERMOPLASTIC PVMT MARKING 8", 2' DASH 6' SKIP, WHITE (TYP.)                | (9) PROP. THERMOPLASTIC PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.) |
| (2) PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)  | (6) PROP. THERMO. PAVEMENT MARKING LINE, 12" CROSSWALK 24" APART, WHITE 6' MIN (TYP.) | (10) PROP. THERMOPLASTIC PVMT MARKING 4", EDGE LINE, WHITE (TYP.)                        |
| (3) PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)   | (7) PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)                  | (11) PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)               |
| (4) PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.)         | (8) PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.) | (12) PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)                  |



- NOTES:**
- CONTRACTOR SHALL RESURFACE FROM STA 25+64 TO STA 83+28.
  - CONTRACTOR SHALL PATCH AND REESTABLISH PAVEMENT MARKING FROM STA 83+28 TO STA 12+81.
  - PATCHING FROM STA 83+28 TO STA 12+81 SHALL BE PAID BY "CLASS D PATCHES, 14 INCH (SPECIAL)".

MODEL: 127th St. E - Rdwy Plan 1 (Sheet)  
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

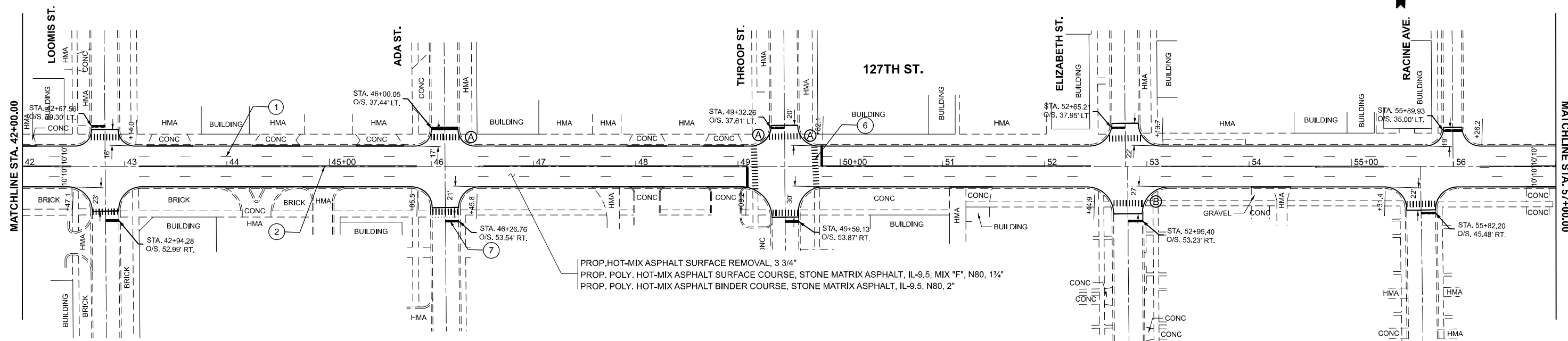
**ROADWAY PLAN  
127TH ST. (I-57 TO INDIANA AVE.)**

SCALE: 1"=50' SHEET 1 OF 12 SHEETS STA. 12+00.00 TO STA. 42+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	8
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

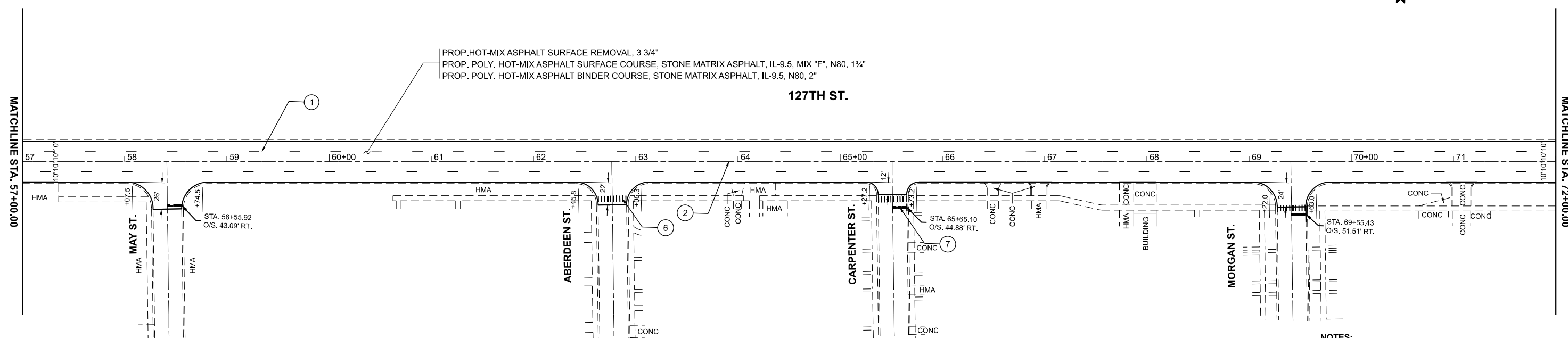
**SIDEWALK LEGEND**

- (A) PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS
- (B) PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING TILE FULL WIDTH



**PAVEMENT MARKING LEGEND (IDOT TC-13)**

- (1) PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)
- (2) PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)
- (3) PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (4) PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.)
- (5) PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)
- (6) PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 24" APART, WHITE 6' MIN (TYP.)
- (7) PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
- (8) PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)
- (9) PROP. THERMOPLASTIC PVMT MARKING 12" SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)
- (10) PROP. THERMOPLASTIC PVMT MARKING 4", EDGE LINE, WHITE (TYP.)
- (11) PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)



- NOTES:**
- CONTRACTOR SHALL RESURFACE FROM STA 25+64 TO STA 83+28.
  - CONTRACTOR SHALL PATCH AND REESTABLISH PAVEMENT MARKING FROM STA 83+28 TO STA 12+81.
  - PATCHING FROM STA 83+28 TO STA 12+81 SHALL BE PAID BY "CLASS D PATCHES, 14 INCH (SPECIAL)".

MODEL: 127th St. - Roway Plan, 3 (Sheet)  
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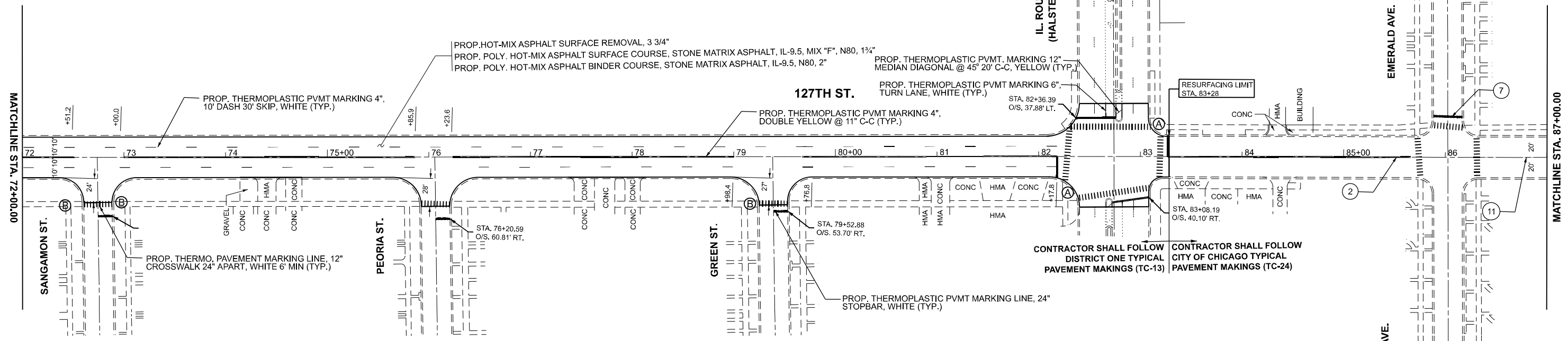
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
127TH ST. (I-57 TO INDIANA AVE.)**

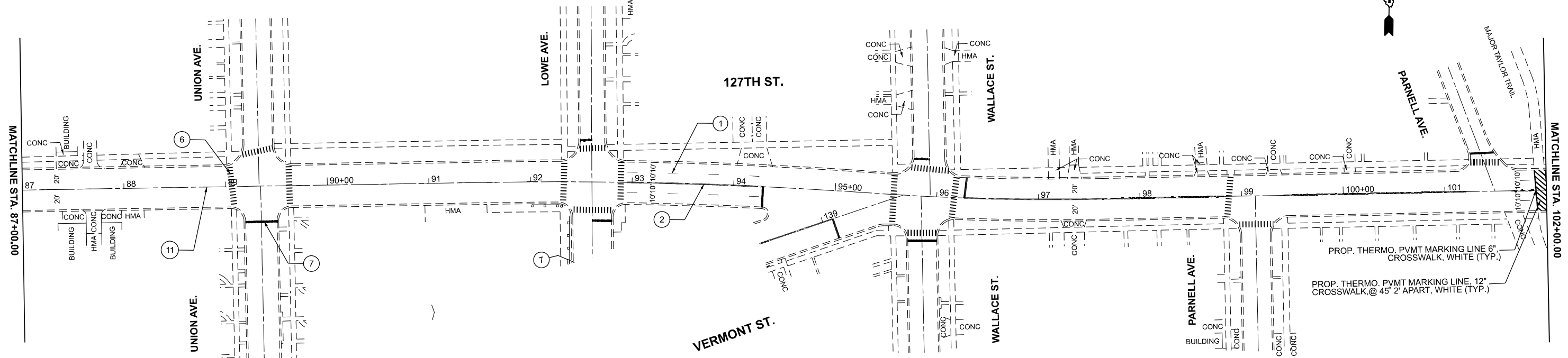
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	9
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

- SIDEWALK LEGEND**
- (A) PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS
  - (B) PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING TILE FULL WIDTH



- PAVEMENT MARKING LEGEND (CDOT TC-24)**
- (1) PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18" SKIP, WHITE (TYP.)
  - (2) PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 8" C-C (TYP.)
  - (3) PROP. MODIFIED URETHANE PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
  - (4) PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)
  - (5) PROP. MODIFIED URETHANE PVMT MARKING 6", 2" DASH 6" SKIP, WHITE (TYP.)
  - (6) PROP. MODIFIED URETHANE PVMT, MARKING LINE, 24" CROSSWALK 24" APART, WHITE 6" MIN (TYP.)
  - (7) PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
  - (8) PROP. MODIFIED URETHANE PVMT, MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)
  - (9) PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)
  - (10) PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)
  - (11) PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18" SKIP, YELLOW (TYP.)



- NOTES:**
1. CONTRACTOR SHALL RESURFACE FROM STA 25+64 TO STA 83+28.
  2. CONTRACTOR SHALL PATCH AND REESTABLISH PAVEMENT MARKING FROM STA 83+28 TO STA 12+81.
  3. PATCHING FROM STA 83+28 TO STA 12+81 SHALL BE PAID BY "CLASS D PATCHES, 14 INCH (SPECIAL)".

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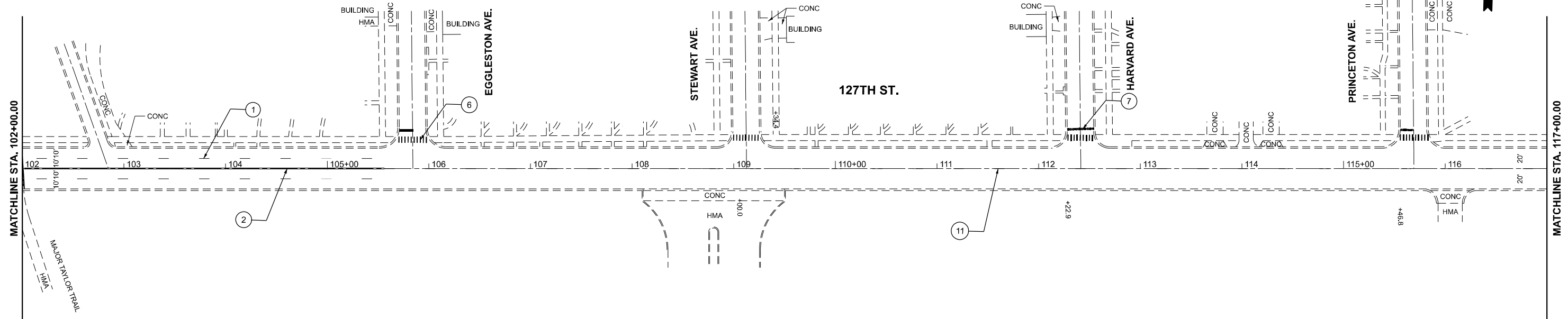
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
127TH ST. (I-57 TO INDIANA AVE.)**

SCALE: 1"=50'      SHEET 3 OF 12 SHEETS      STA. 72+00.00 TO STA. 102+00.00

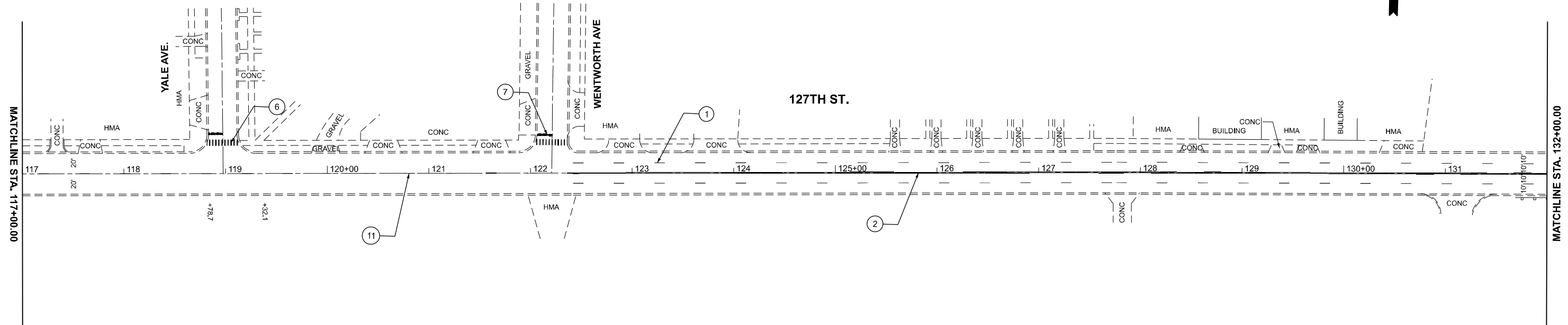
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	10
CONTRACT NO. 80B26				

ILLINOIS FED. AID PROJECT



**PAVEMENT MARKING LEGEND (CDOT TC-24)**

① PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18' SKIP, WHITE (TYP.)	⑤ PROP. MODIFIED URETHANE PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)	⑨ PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)
② PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 8" C-C (TYP.)	⑥ PROP. MODIFIED URETHANE PVMT, MARKING LINE, 24" CROSSWALK 24" APART, WHITE 6' MIN (TYP.)	⑩ PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)
③ PROP. MODIFIED URETHANE PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)	⑦ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)	⑪ PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18' SKIP, YELLOW (TYP.)
④ PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)	⑧ PROP. MODIFIED URETHANE PVMT, MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)	



**NOTES:**  
 1. CONTRACTOR SHALL RESURFACE FROM STA 25+64 TO STA 83+28.  
 2. CONTRACTOR SHALL PATCH AND REESTABLISH PAVEMENT MARKING FROM STA 83+28 TO STA 12+81.  
 3. PATCHING FROM STA 83+28 TO STA 12+81 SHALL BE PAID BY "CLASS D PATCHES, 14 INCH (SPECIAL)".

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	DRAWN -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

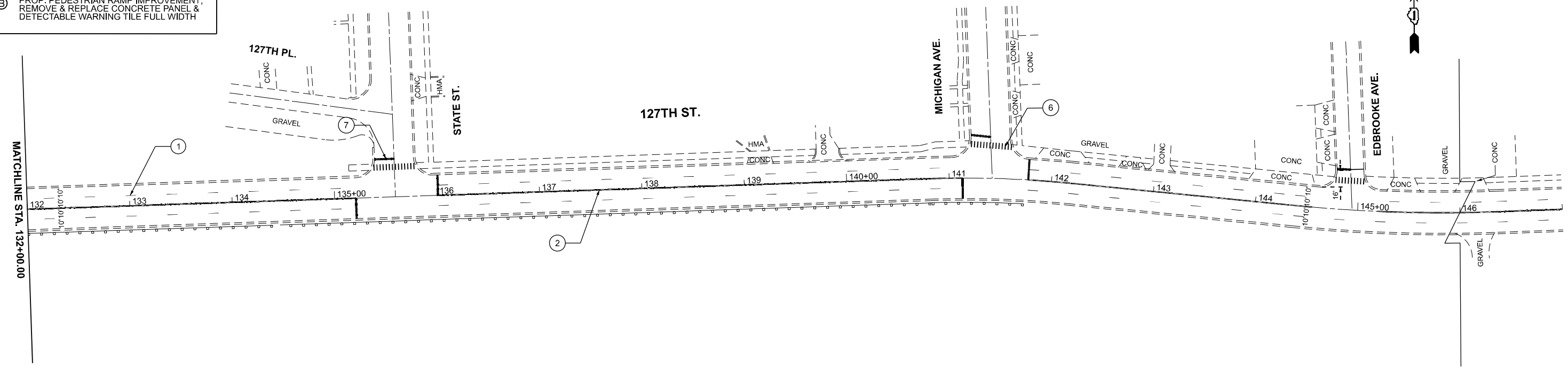
**ROADWAY PLAN  
127TH ST. (I-57 TO INDIANA AVE.)**

SCALE: 1"=50'      SHEET 4      OF 12      SHEETS      STA. 102+00.00      TO STA. 132+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	11
CONTRACT NO. 80B26			ILLINOIS FED. AID PROJECT	

**SIDEWALK LEGEND**

- (A) PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS
- (B) PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING TILE FULL WIDTH



**NOTES:**

1. CONTRACTOR SHALL RESURFACE FROM STA 25+64 TO STA 83+28.
2. CONTRACTOR SHALL PATCH AND REESTABLISH PAVEMENT MARKING FROM STA 83+28 TO STA 12+81.
3. PATCHING FROM STA 83+28 TO STA 12+81 SHALL BE PAID BY "CLASS D PATCHES, 14 INCH (SPECIAL)".

**PAVEMENT MARKING LEGEND (CDOT TC-24)**

- (1) PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18' SKIP, WHITE (TYP.)
- (2) PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 8" C-C (TYP.)
- (3) PROP. MODIFIED URETHANE PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- (4) PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)
- (5) PROP. MODIFIED URETHANE PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.)
- (6) PROP. MODIFIED URETHANE PVMT. MARKING LINE, 24" CROSSWALK 24" APART, WHITE 6" MIN (TYP.)
- (7) PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
- (8) PROP. MODIFIED URETHANE PVMT. MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)
- (9) PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)
- (10) PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)
- (11) PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18' SKIP, YELLOW (TYP.)

MODEL: 127thSt\_E - Roway Plan 9 (Sheet)  
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USER NAME = naveed,hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

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

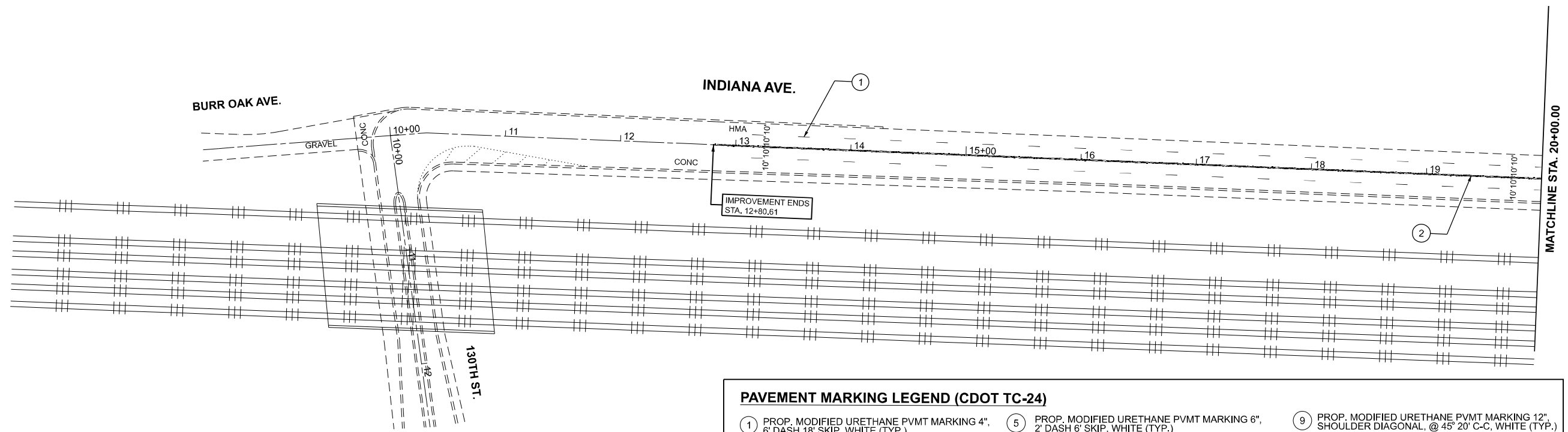
**ROADWAY PLAN**  
**127TH ST. (I-57 TO INDIANA AVE.)**

SCALE: 1"=50'      SHEET 5      OF 12      SHEETS      STA. 132+00.00      TO STA. 147+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	12
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

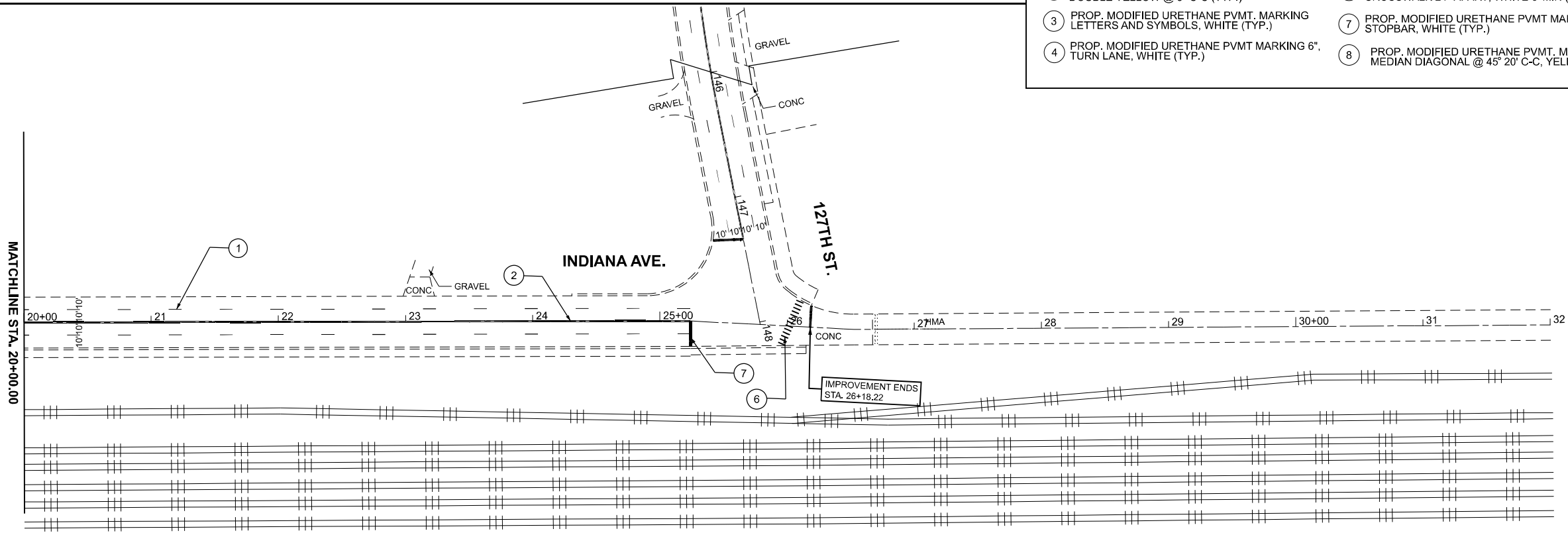
**SIDEWALK LEGEND**

- Ⓐ PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS
- Ⓑ PROP. PEDESTRIAN RAMP IMPROVEMENT, REMOVE & REPLACE CONCRETE PANEL & DETECTABLE WARNING TILE FULL WIDTH



**PAVEMENT MARKING LEGEND (CDOT TC-24)**

- Ⓛ PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18' SKIP, WHITE (TYP.)
- Ⓜ PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 8" C-C (TYP.)
- Ⓝ PROP. MODIFIED URETHANE PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)
- Ⓞ PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)
- Ⓟ PROP. MODIFIED URETHANE PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)
- Ⓠ PROP. MODIFIED URETHANE PVMT. MARKING LINE, 24" CROSSWALK 24" APART, WHITE 6' MIN (TYP.)
- Ⓡ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)
- Ⓢ PROP. MODIFIED URETHANE PVMT. MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)
- Ⓣ PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)
- Ⓤ PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)
- Ⓥ PROP. MODIFIED URETHANE PVMT MARKING 4", 6" DASH 18' SKIP, YELLOW (TYP.)



- NOTES:**
- CONTRACTOR SHALL RESURFACE FROM STA 25+64 TO STA 83+28.
  - CONTRACTOR SHALL PATCH AND REESTABLISH PAVEMENT MARKING FROM STA 83+28 TO STA 12+81.
  - PATCHING FROM STA 83+28 TO STA 12+81 SHALL BE PAID BY "CLASS D PATCHES, 14 INCH (SPECIAL)".

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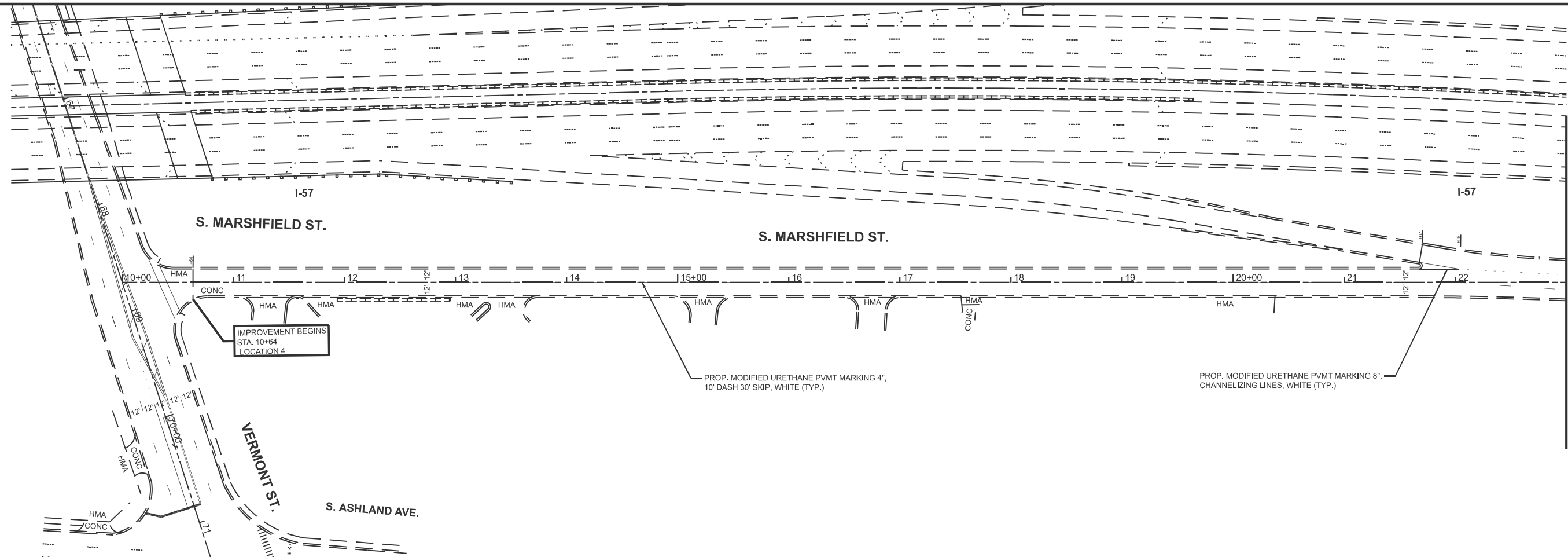
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

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

**ROADWAY PLAN**  
**INDIANA AVE. (NORTH OF 130TH ST. TO 127TH ST.)**

SCALE: 1"=50'    SHEET 6 OF 12 SHEETS    STA. 5+00.00 TO STA. 35+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	13
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



S. MARSHFIELD ST.

S. MARSHFIELD ST.

IMPROVEMENT BEGINS  
STA. 10+64  
LOCATION 4

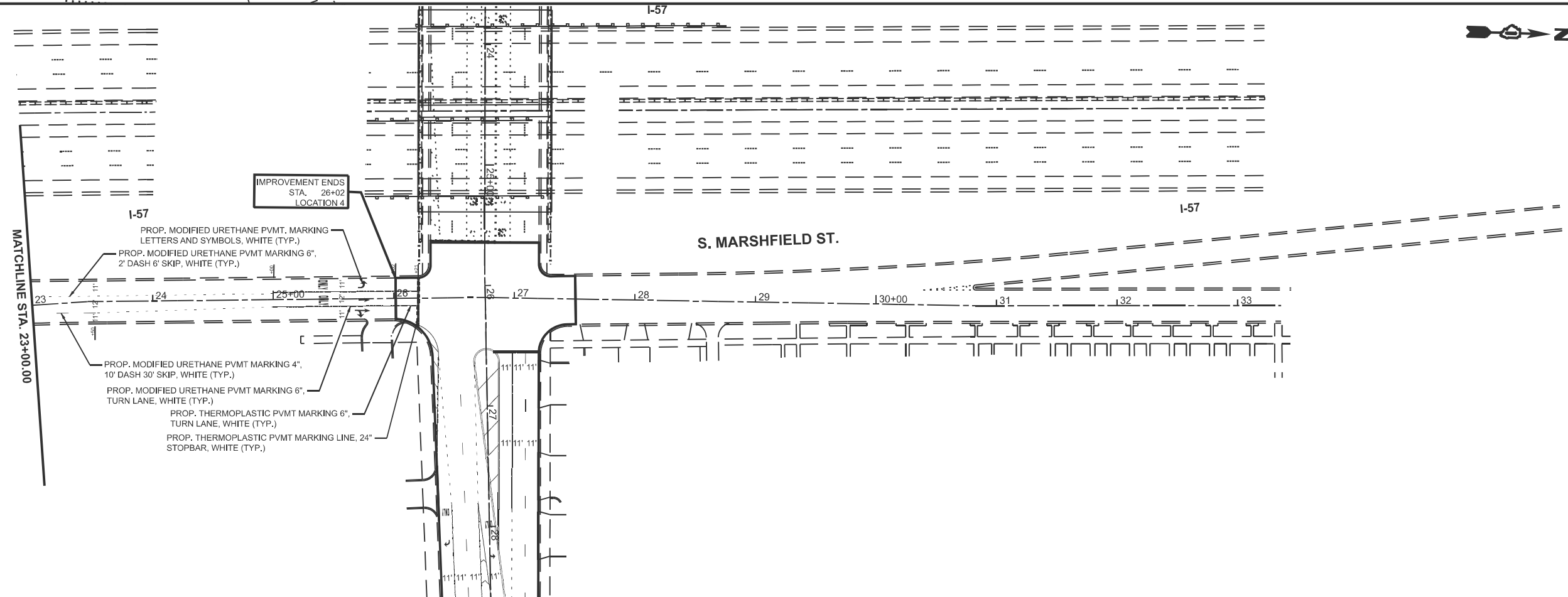
PROP. MODIFIED URETHANE PVMT MARKING 4",  
10' DASH 30' SKIP, WHITE (TYP.)

PROP. MODIFIED URETHANE PVMT MARKING 8",  
CHANNELIZING LINES, WHITE (TYP.)

VERMONT ST.

S. ASHLAND AVE.

MATCHLINE STA. 23+00.00



IMPROVEMENT ENDS  
STA. 26+02  
LOCATION 4

PROP. MODIFIED URETHANE PVMT. MARKING  
LETTERS AND SYMBOLS, WHITE (TYP.)

PROP. MODIFIED URETHANE PVMT MARKING 6",  
2' DASH 6' SKIP, WHITE (TYP.)

PROP. MODIFIED URETHANE PVMT MARKING 4",  
10' DASH 30' SKIP, WHITE (TYP.)

PROP. MODIFIED URETHANE PVMT MARKING 6",  
TURN LANE, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING 6",  
TURN LANE, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING LINE, 24"  
STOPBAR, WHITE (TYP.)

S. MARSHFIELD ST.

MATCHLINE STA. 23+00.00

MODEL: Marshfield Ave. E - Plan 11 [Sheet]  
FILE NAME: c:\pwworking\hassan\1123555D\118925-sh11-plan.dgn

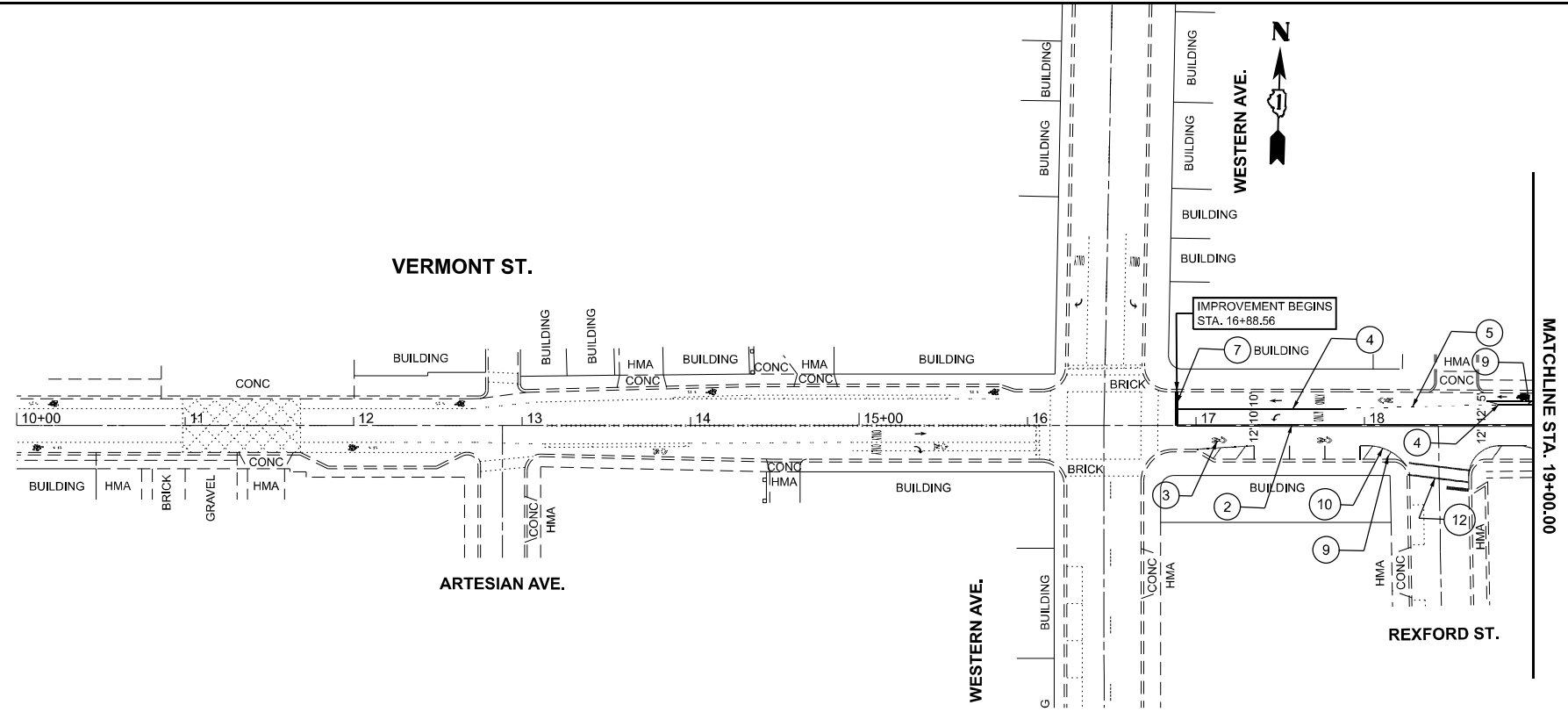
USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/8/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

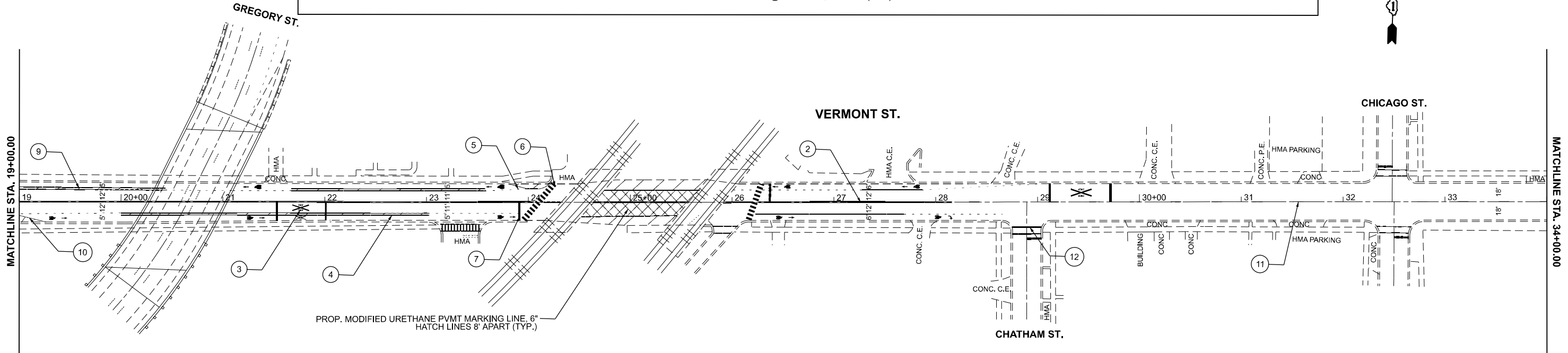
ROADWAY PLAN  
MARSHFIELD AVE. (VERMONT ST. TO 127TH ST.)

SCALE: 1"=50' SHEET 7 OF 12 SHEETS STA. 9+00.00 TO STA. 37+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	14
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>① PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)</li> <li>② PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)</li> <li>③ PROP. MODIFIED URETHANE PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)</li> <li>④ PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE &amp; BIKE LANE, WHITE (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑤ PROP. MODIFIED URETHANE PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)</li> <li>⑥ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" CROSSWALK, WHITE 6" MIN (TYP.)</li> <li>⑦ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)</li> <li>⑧ PROP. MODIFIED URETHANE PVMT. MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑨ PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)</li> <li>⑩ PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)</li> <li>⑪ PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)</li> <li>⑫ PROP. MODIFIED URETHANE PVMT MARKING LINE, 6" CROSSWALK, 2 LINES 6' APART (TYP.)</li> </ul> |
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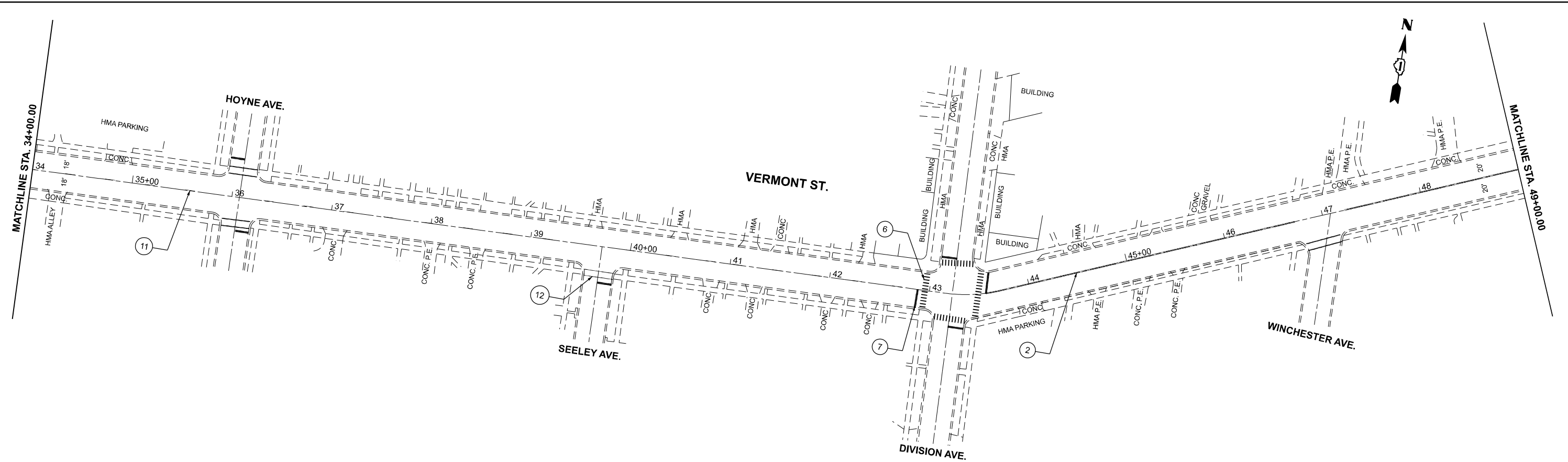
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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2025	DATE -	REVISED -

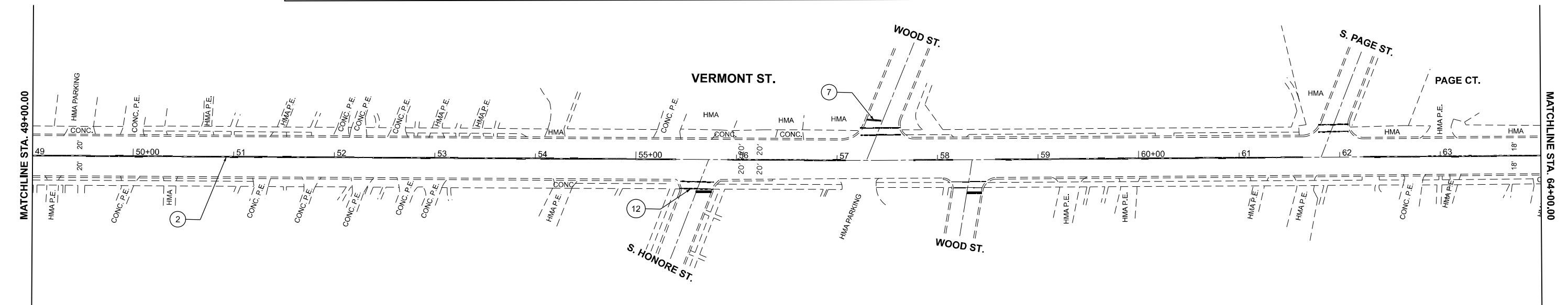
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>			
<b>VERMONT ST. (WESTERN AVE. TO 127TH ST.)</b>			
SCALE: 1"=50'	SHEET 8	OF 12 SHEETS	STA. 4+00.00 TO STA. 34+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	15
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>① PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)</li> <li>② PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)</li> <li>③ PROP. MODIFIED URETHANE PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)</li> <li>④ PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑤ PROP. MODIFIED URETHANE PVMT MARKING 6", 2' DASH 8' SKIP, WHITE (TYP.)</li> <li>⑥ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" CROSSWALK, WHITE 6" MIN (TYP.)</li> <li>⑦ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)</li> <li>⑧ PROP. MODIFIED URETHANE PVMT. MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑨ PROP. MODIFIED URETHANE PVMT MARKING 12" SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)</li> <li>⑩ PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)</li> <li>⑪ PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)</li> <li>⑫ PROP. MODIFIED URETHANE PVMT MARKING LINE, 6" CROSSWALK, 2 LINES 6" APART (TYP.)</li> </ul> |
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MODEL: VermontSt\_E\_Plan\_3 (Sheet)  
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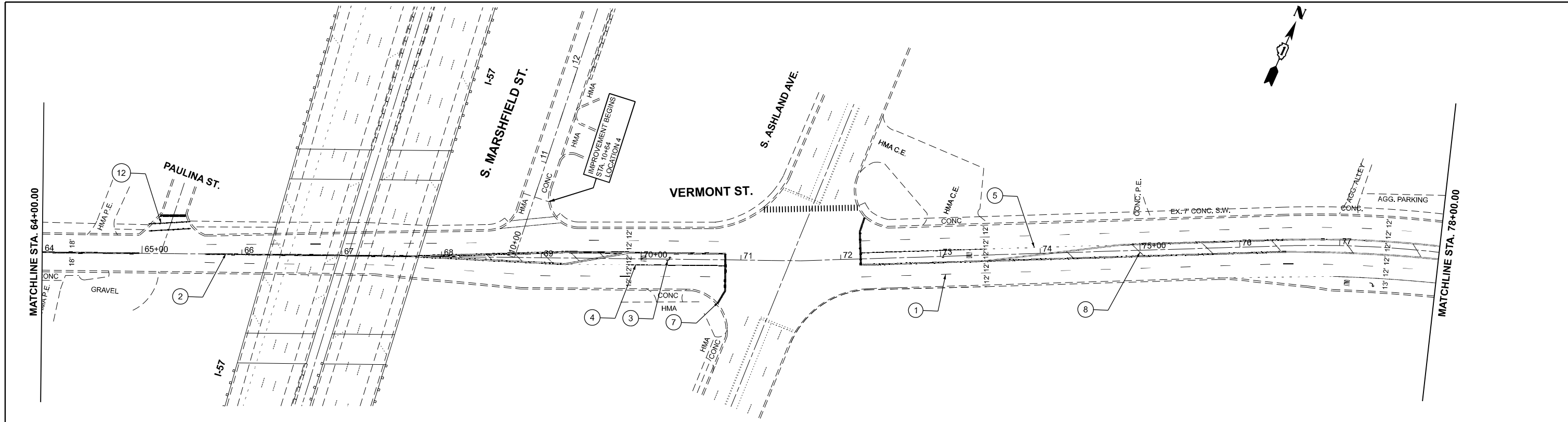
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PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

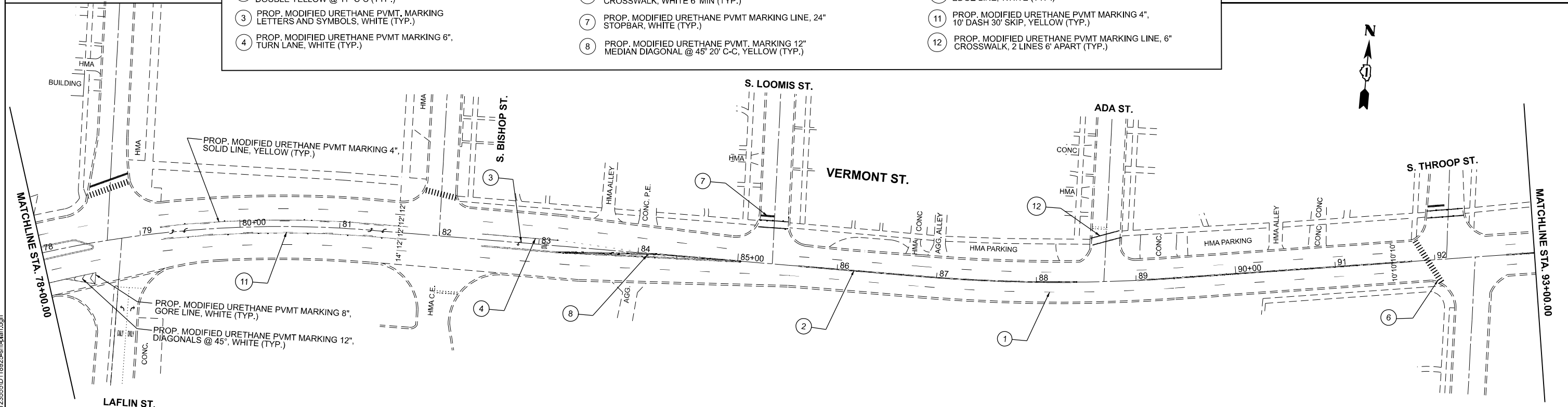
**ROADWAY PLAN  
VERMONT ST. (WESTERN AVE. TO 127TH ST.)**

SCALE: 1"=50'      SHEET 9 OF 12 SHEETS      STA. 34+00.00 TO STA. 64+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	16
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



- |  |  |  |
|--|--|--|
| ① PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | ⑤ PROP. MODIFIED URETHANE PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)                 | ⑨ PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.) |
| ② PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)  | ⑥ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" CROSSWALK, WHITE 6' MIN (TYP.)          | ⑩ PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)                         |
| ③ PROP. MODIFIED URETHANE PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.)  | ⑦ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)                   | ⑪ PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)                |
| ④ PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)         | ⑧ PROP. MODIFIED URETHANE PVMT, MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.) | ⑫ PROP. MODIFIED URETHANE PVMT MARKING LINE, 6" CROSSWALK, 2 LINES 6' APART (TYP.)         |



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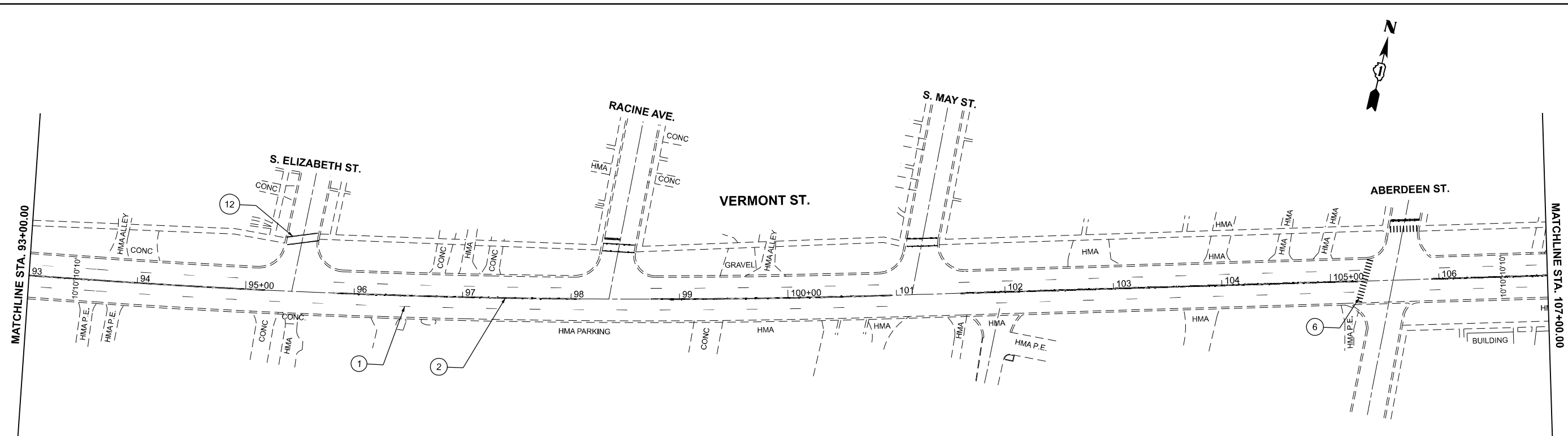
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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2025	DATE -	REVISED -

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

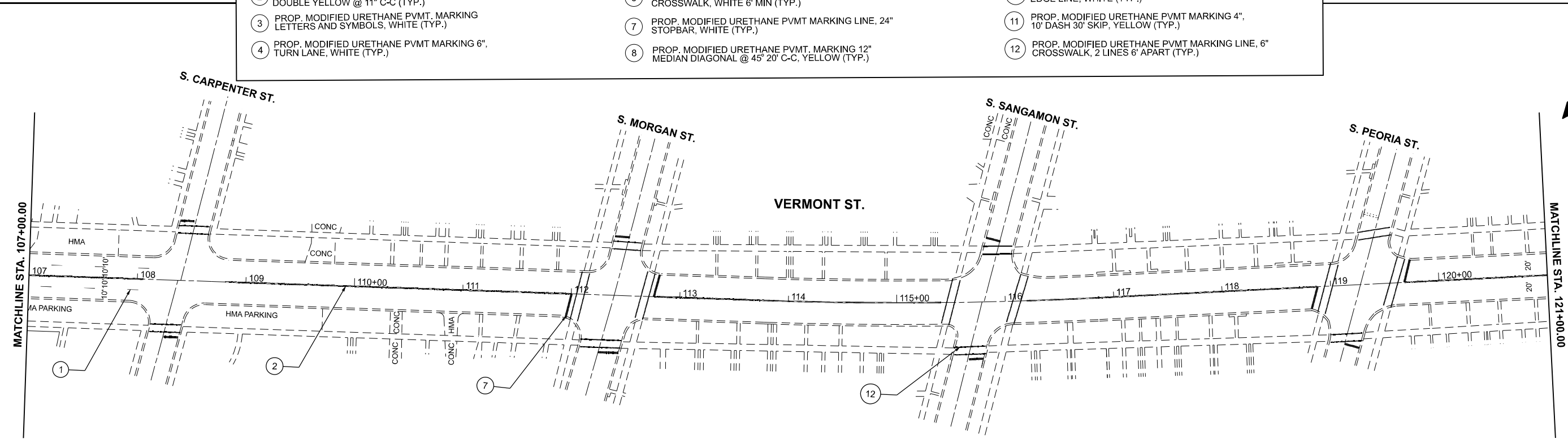
**ROADWAY PLAN**  
**VERMONT ST. (WESTERN AVE. TO 127TH ST.)**

SCALE: 1"=50'      SHEET 10 OF 12 SHEETS      STA. 64+00.00 TO STA. 93+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	17
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



- |   |  |  |
|---|--|--|
| <p>① PROP. MODIFIED URETHANE PVTM MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)</p> <p>② PROP. MODIFIED URETHANE PVTM MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)</p> <p>③ PROP. MODIFIED URETHANE PVTM. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)</p> <p>④ PROP. MODIFIED URETHANE PVTM MARKING 6", TURN LANE, WHITE (TYP.)</p> | <p>⑤ PROP. MODIFIED URETHANE PVTM MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)</p> <p>⑥ PROP. MODIFIED URETHANE PVTM MARKING LINE, 24" CROSSWALK, WHITE 6" MIN (TYP.)</p> <p>⑦ PROP. MODIFIED URETHANE PVTM MARKING LINE, 24" STOPBAR, WHITE (TYP.)</p> <p>⑧ PROP. MODIFIED URETHANE PVTM. MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)</p> | <p>⑨ PROP. MODIFIED URETHANE PVTM MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)</p> <p>⑩ PROP. MODIFIED URETHANE PVTM MARKING 4", EDGE LINE, WHITE (TYP.)</p> <p>⑪ PROP. MODIFIED URETHANE PVTM MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)</p> <p>⑫ PROP. MODIFIED URETHANE PVTM MARKING LINE, 6" CROSSWALK, 2 LINES 6' APART (TYP.)</p> |
|---|--|--|



MODEL: VermontSt\_E - Plan 7 (Sheet)  
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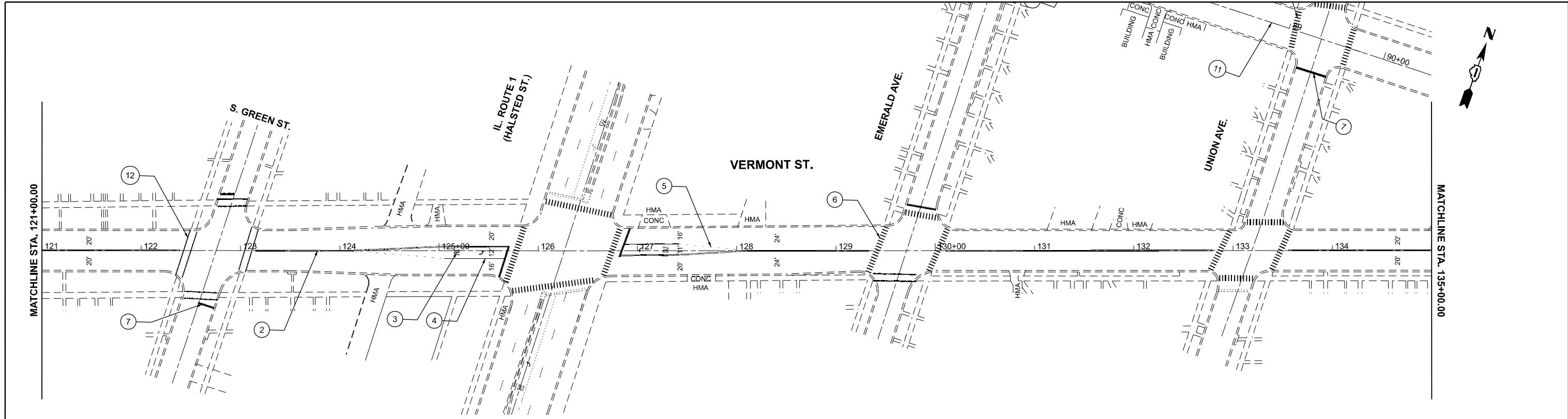
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PLOT DATE = 12/8/2025	DATE -	REVISED -

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

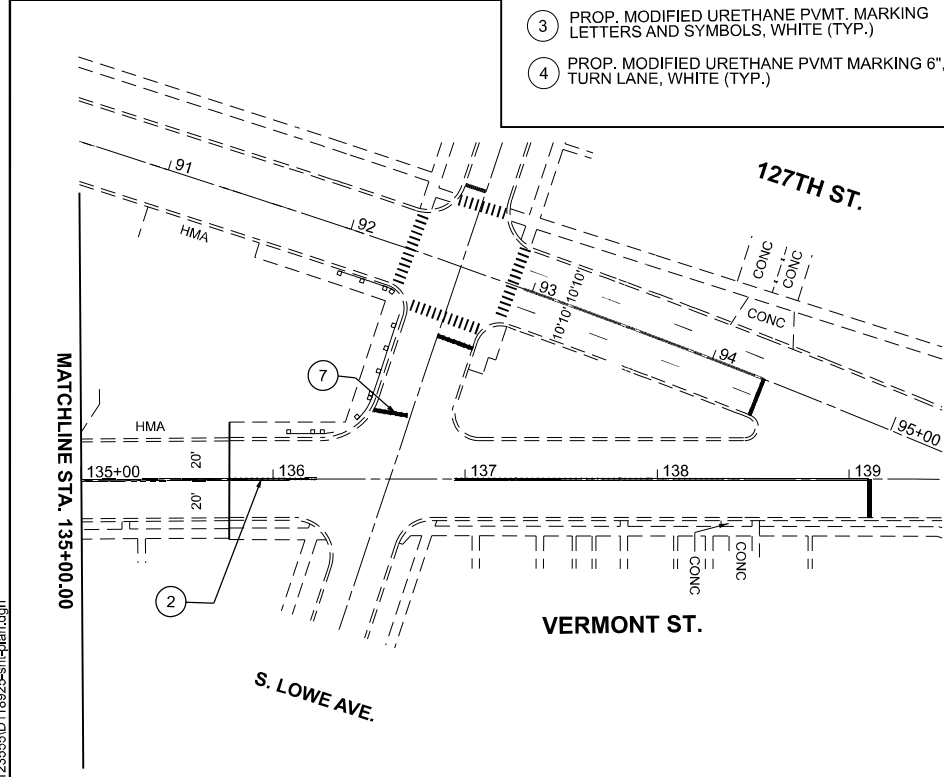
**ROADWAY PLAN**  
**VERMONT ST. (WESTERN AVE. TO 127TH ST.)**

SCALE: 1"=50'    SHEET 11 OF 12 SHEETS    STA. 93+00.00 TO STA. 121+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	18
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



- |  |   |   |
|--|---|---|
| <ul style="list-style-type: none"> <li>① PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.)</li> <li>② PROP. MODIFIED URETHANE PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.)</li> <li>③ PROP. MODIFIED URETHANE PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.)</li> <li>④ PROP. MODIFIED URETHANE PVMT MARKING 6", TURN LANE, WHITE (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑤ PROP. MODIFIED URETHANE PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.)</li> <li>⑥ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" CROSSWALK, WHITE 6' MIN (TYP.)</li> <li>⑦ PROP. MODIFIED URETHANE PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.)</li> <li>⑧ PROP. MODIFIED URETHANE PVMT. MARKING 12" MEDIAN DIAGONAL @ 45° 20' C-C, YELLOW (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑨ PROP. MODIFIED URETHANE PVMT MARKING 12", SHOULDER DIAGONAL, @ 45° 20' C-C, WHITE (TYP.)</li> <li>⑩ PROP. MODIFIED URETHANE PVMT MARKING 4", EDGE LINE, WHITE (TYP.)</li> <li>⑪ PROP. MODIFIED URETHANE PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.)</li> <li>⑫ PROP. MODIFIED URETHANE PVMT MARKING LINE, 6" CROSSWALK, 2 LINES 6' APART (TYP.)</li> </ul> |
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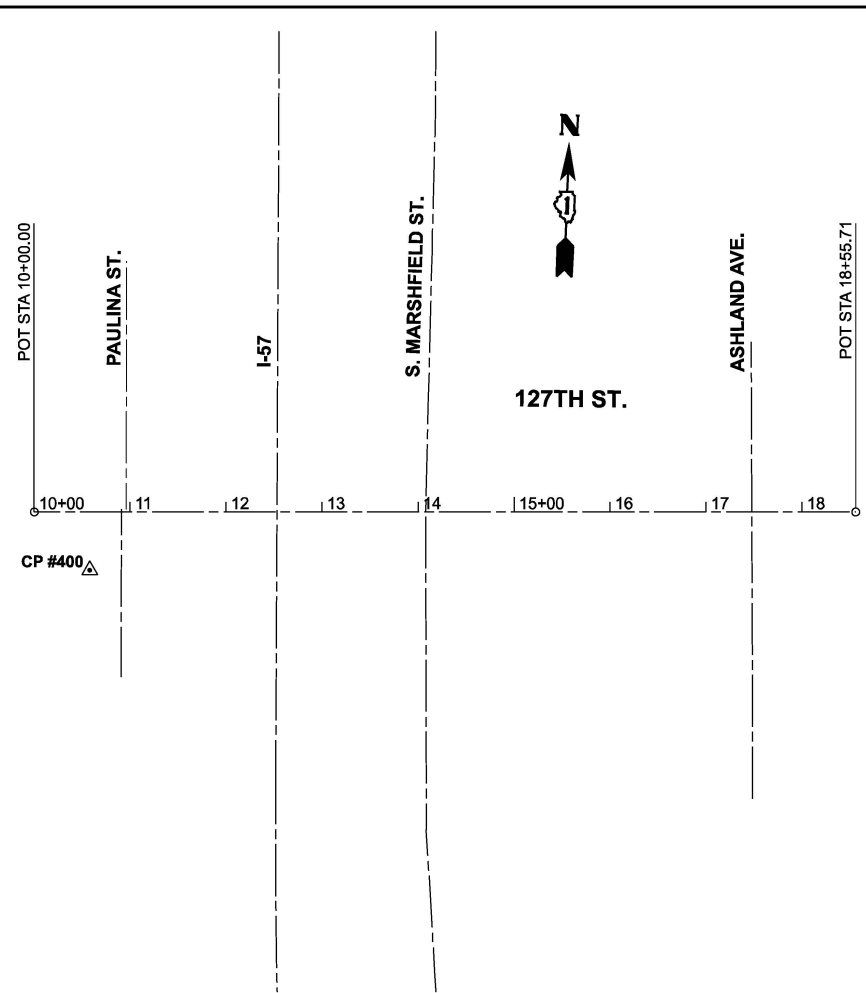
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	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

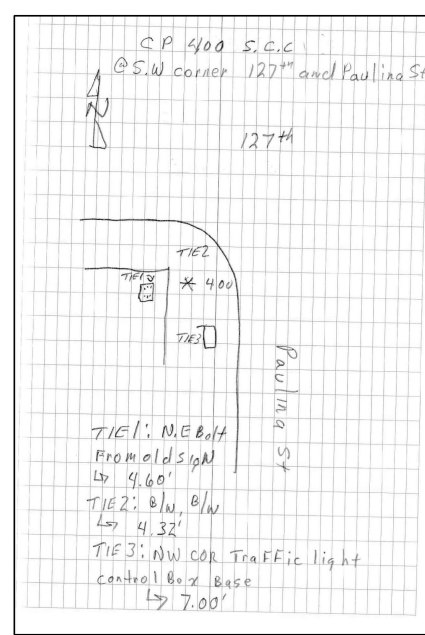
**ROADWAY PLAN  
VERMONT ST. (WESTERN AVE. TO 127TH ST.)**

SCALE: 1"=50'      SHEET 12    OF 12    SHEETS    STA. 121+00.00    TO STA. 149+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	19
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



ROUTE	POINT	NORTHING	EASTING	STATION
127TH	POT	1820442.850500	1167238.033000	10+00.00
STREET	POT	1820474.878000	1168093.135500	18+55.71



**CONTROL POINT**

S.C.C. @ S.W. CORNER  
 127TH AND PAULINA ST  
 STA. 10+57.77  
 N= 1167298.042  
 E= 1820384.214  
 ELEV.= 604.537

MODEL: 127th St - ATB1 [Sheet]  
 FILE NAME: c:\p\work\paw\hassan\1123555D\18825-sh1-ATB.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/13/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE ALIGNMENT TIES, AND BENCHMARKS  
 127TH ST. (I-57 TO ASHLAND AVE.)**

SCALE: 1"=100'    SHEET 1 OF 1 SHEETS    STA. 9+00.00 TO STA. 19+00.00

F.A.P. RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 19A
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

MODEL: 127th\_C... Plan 1 (Sheet)  
 FILE NAME: p:\projects\127th\127th\_CAD\Drawings\DOT\Office\127th\_CAD\Drawings\127th\_CAD\127th\_CAD.dgn

**EDI** Excellence, Dedication, Innovation  
 Environmental Design International Inc.  
 Civil, Survey, Environmental and Construction Inspection Services  
 33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603  
 PH: (312) 345-1400 FAX (312) 345-0529 www.ediintl.com

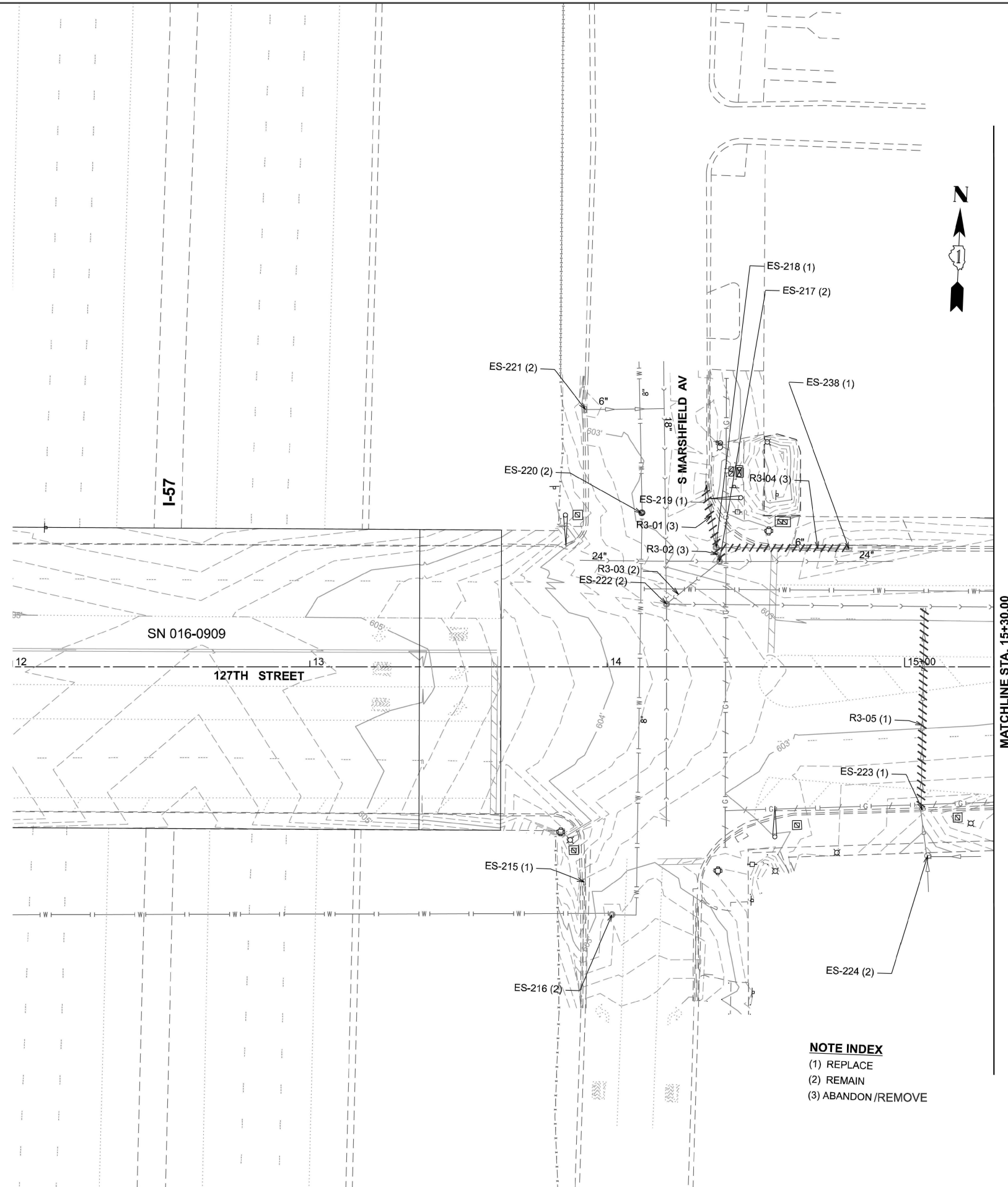
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PLOT DATE = 3/16/2026	DATE - 2/8/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**127TH STREET FROM I-57 TO ASHLAND AVENUE  
 DRAINAGE REMOVAL PLAN**

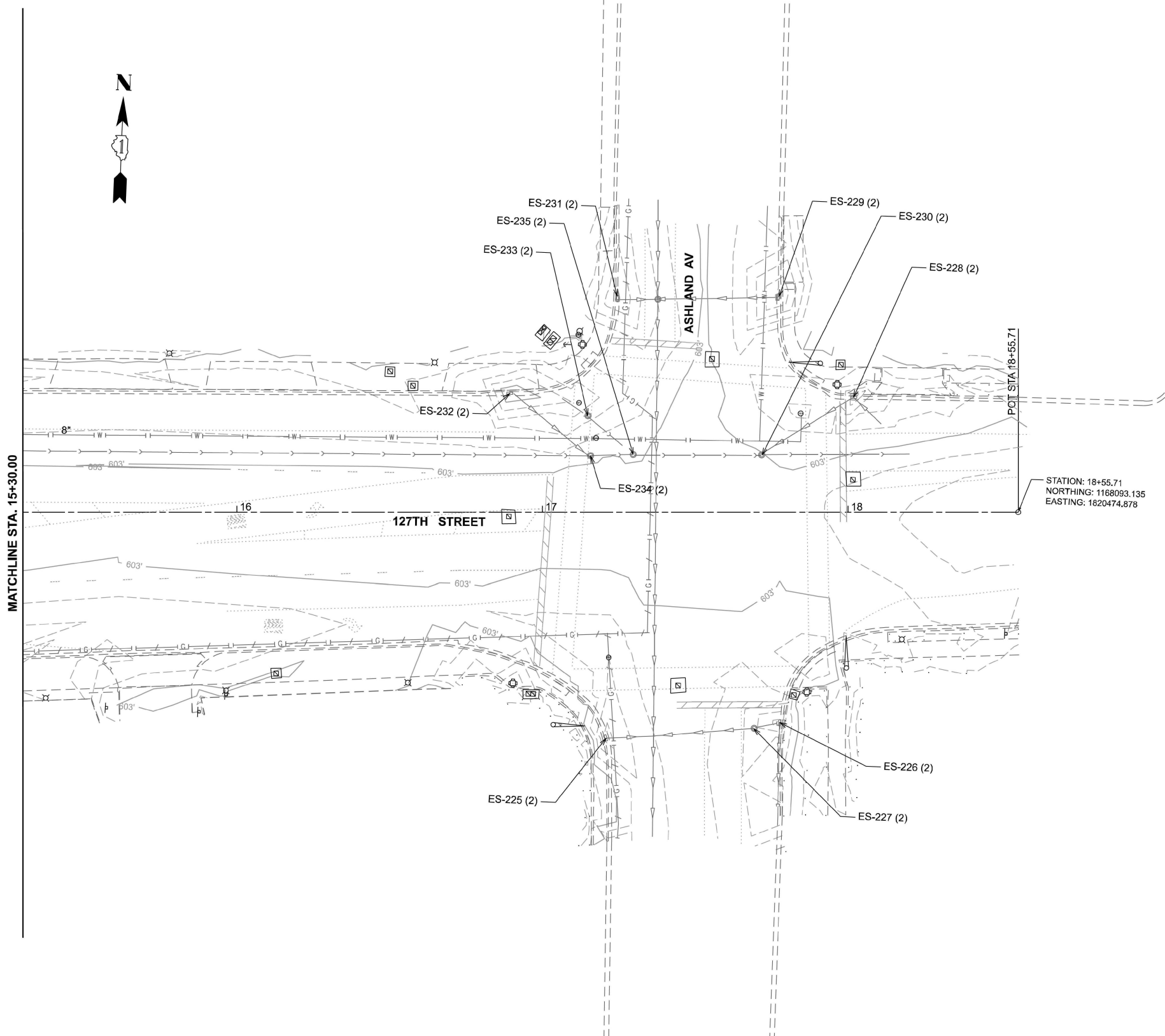
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 16+00

F.A.P. RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 20
CONTRACT NO. 80B26			ILLINOIS FED. AID PROJECT	



**NOTE INDEX**  
 (1) REPLACE  
 (2) REMAIN  
 (3) ABANDON/REMOVE

MATCHLINE STA. 15+30.00



**NOTE INDEX**  
 (1) REPLACE  
 (2) REMAIN  
 (3) ABANDON /REMOVE

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USER NAME = naveed.hassan	DESIGNED - HJH	REVISED -
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PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE - 12/21/2023	REVISED -

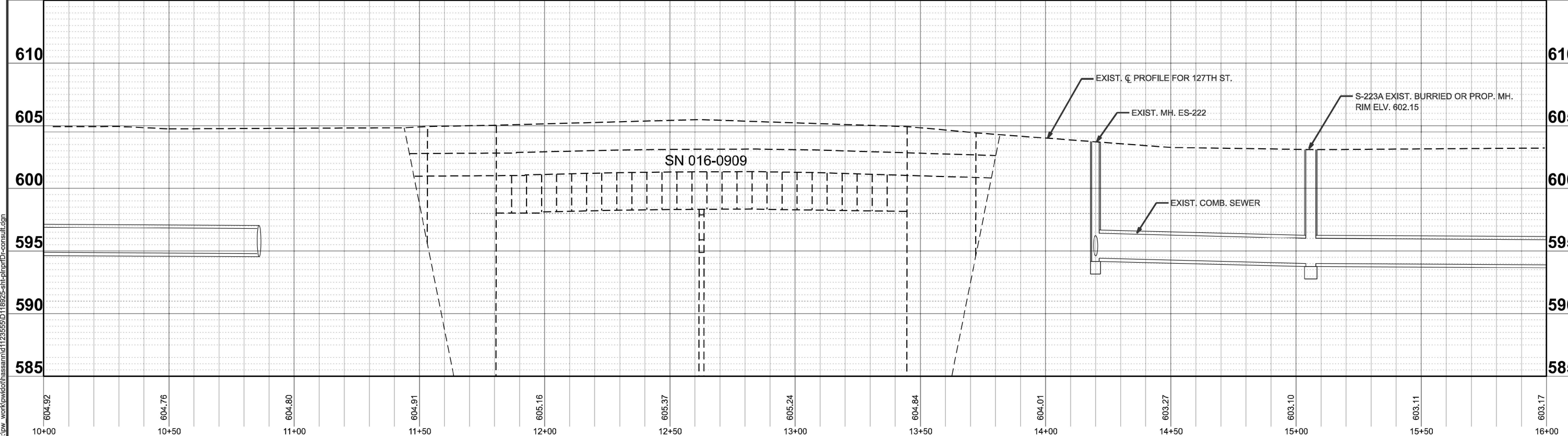
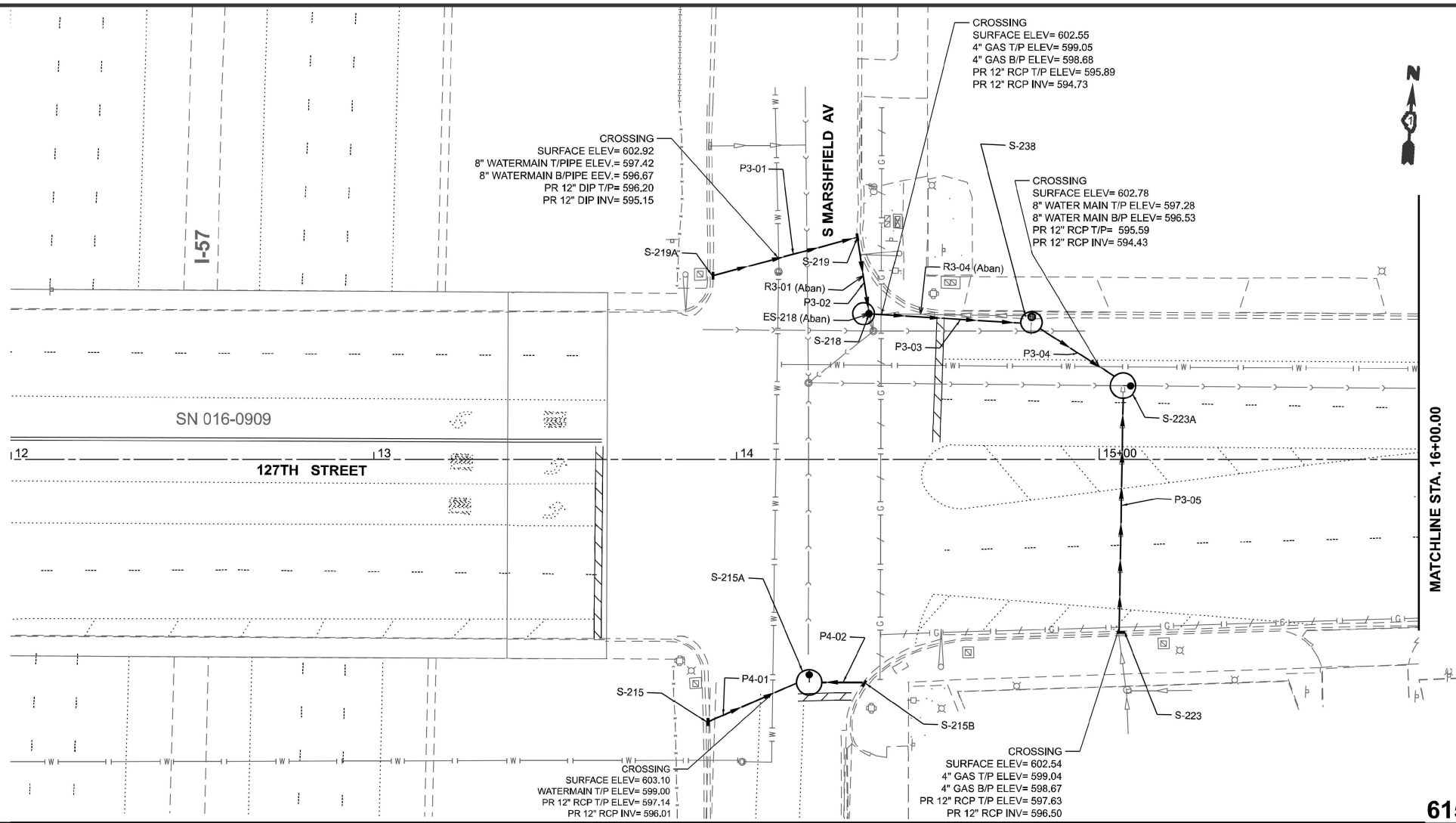
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**127TH STREET FROM I-57 TO ASHLAND AVENUE  
 DRAINAGE REMOVAL PLAN**

SCALE: 1" = 20'    SHEET 2 OF 2 SHEETS    STA. 16+00    TO STA. 18+55.71

F.A.P. RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 21
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL - Drainage Removal (Sheet)  
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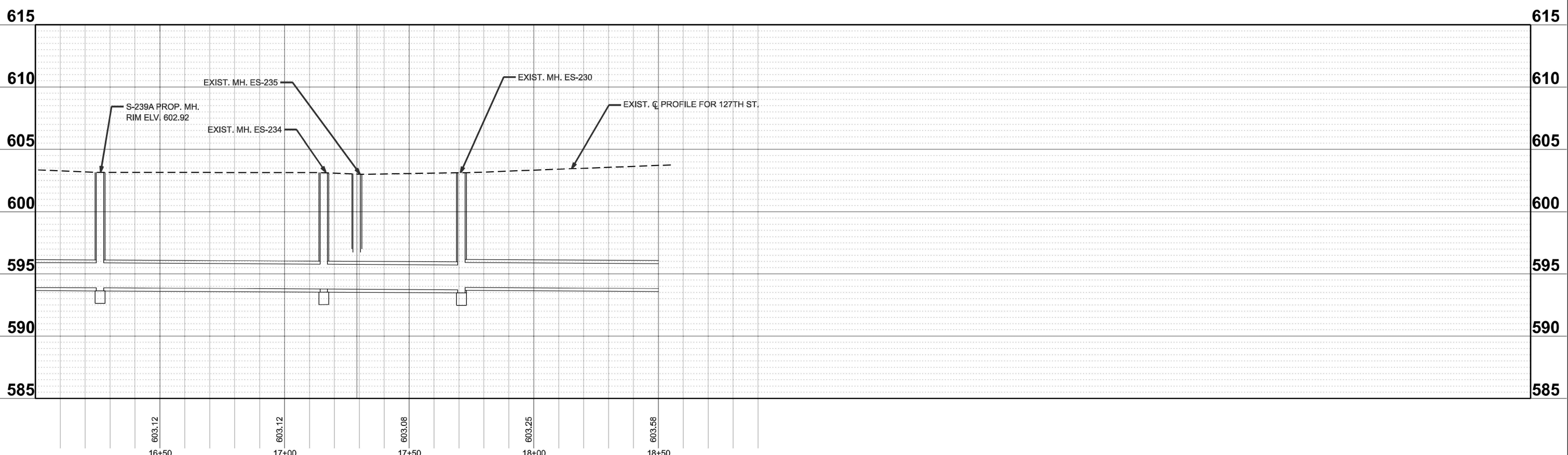
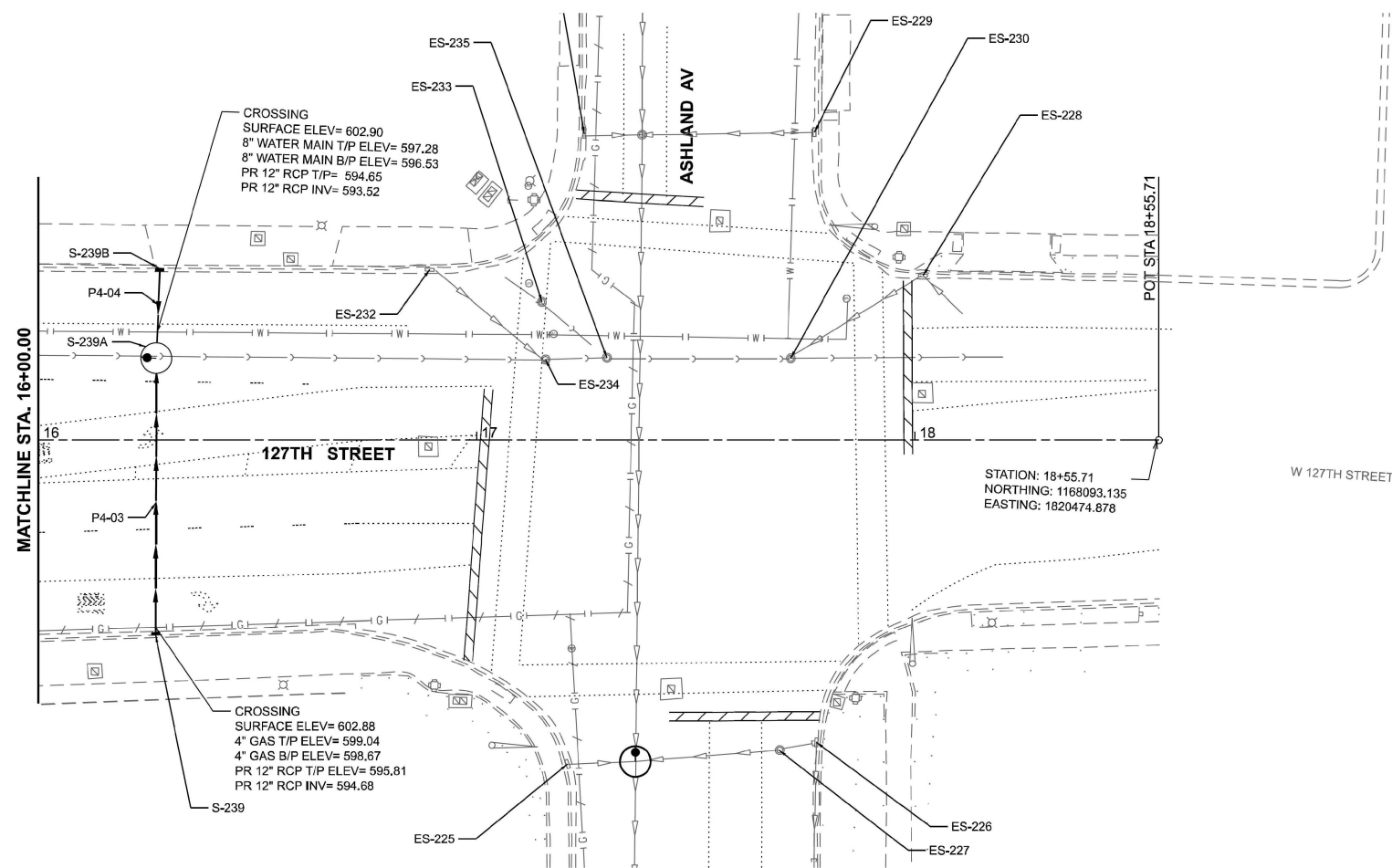
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**127TH STREET FROM I-57 TO ASHLAND AVENUE  
 DRAINAGE PLAN AND PROFILE**

SCALE: SHEET A003 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 22
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



MODEL: Drainage SCH | Sheet |  
 FILE NAME: c:\pwworking\ehassan\1123555D\118925-sht-drainage\drainage\consult.dgn

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USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/16/2026	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

127TH STREET FROM I-57 TO ASHLAND AVENUE  
 DRAINAGE PLAN AND PROFILE

SCALE: SHEET A004 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 23
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

**DRAINAGE STRUCTURES AND STORM SEWER SCHEDULE**

S-219A | PR. CB. TYPE D, 3' DIA, TYPE 11 FRAME & GRATE  
 STA 13+93.7 OFFSET 51' LT  
 T.O.G. = 602.75  
 INV. (E) = 595.25 (OUTFLOW, PR. S.S. CLASS A, TYPE 2, WATERMAIN QUALITY PIPE, 12")  
 HALF-TRAP ON OUTLET

S-219 | PR. CB. TYPE D, 3' DIA, TYPE 11 FRAME & GRATE  
 STA 14+33.4 OFFSET 61' LT  
 T.O.G. = 602.20  
 INV. (S) = 595.04 (OUTFLOW, PR. SS, CLASS A, TYPE 2, 12")  
 INV. (W) = 595.04 (INFLOW, PR. S.S. CLASS A, TYPE 2, WATERMAIN QUALITY PIPE, 12")  
 HALF-TRAP ON OUTLET

S-218 | PR. CB. TYPE A, 5' DIA, TYPE 1 FRAME, CLOSED LID  
 STA 14+36.57 OFFSET 40' LT  
 T.O.G. = 602.74  
 INV. (N) = 594.74 (INFLOW, PR. SS, CLASS A, TYPE 2, 12")  
 INV. (E) = 594.74 (OUTFLOW, PR. SS, CLASS A, TYPE 2, 12")

S-238 | PR. CB. TYPE A, 4' DIA, TYPE 9 FRAME & GRATE  
 STA 14+77.9 OFFSET 36' LT  
 T.O.G. = 602.04  
 INV. (S) = 594.53 (OUTFLOW, PR. SS, CLASS A, TYPE 2, 12")  
 INV. (W) = 594.53 (INFLOW, PR. SS, CLASS A, TYPE 2, 12")  
 HALF-TRAP ON OUTLET

S-223A | PR. MH. RECON. TYPE 1 FRAME CLOSED LID  
 \*IF MH IS NOT LOCATED IN THE FIELD  
 INSTALL MH. TYPE A, 4' DIA, TYPE 1 FRAME CLOSED LID  
 STA 15+06.6 OFFSET 20' LT  
 T.O.G. = 602.15  
 INV. (S) = 597.09 (INFLOW, PR. SS, CLASS A, TYPE 2, 12")  
 INV. (E) = 594.00 \*ESTIMATED (OUTFLOW EX. SEWER)  
 INV. (W) = 594.00 \*ESTIMATED (INFLOW EX. SEWER)  
 INV. (NW) = 594.41 (INFLOW, PR. SS, CLASS A, TYPE 2, 12")

S-223 | PR. CB. TYPE A, 4' DIA, TYPE 11 FRAME & GRATE  
 STA 15+05.9 OFFSET 48' RT  
 T.O.G. = 602.25  
 INV. (N) = 595.50 (OUTFLOW, PR. PR. SS, CLASS A, TYPE 2, 12")  
 HALF-TRAP ON OUTLET

S-215 | PR. CB. TYPE D, 3' DIA, TYPE 11 FRAME & GRATE  
 STA 13+92.2 OFFSET 72' RT  
 T.O.G. = 603.14  
 INV. (N) = 596.19 (OUTFLOW, PR. PR. SS, CLASS A, TYPE 2, 12")  
 HALF-TRAP ON OUTLET

S-215A | PR. MH. TYPE A, 4' DIA, TYPE 1 FRAME CLOSED LID  
 STA 14+20.1 OFFSET 61' RT  
 T.O.G. = 603.40  
 INV. (N) = 595.00 \*ESTIMATED (OUTFLOW, EX. SEWER)  
 INV. (S) = 595.00 \*ESTIMATED (INFLOW EX. SEWER)  
 INV. (E) = 598.07 (INFLOW PR. SS, CLASS A, TYPE 2, 12")  
 INV. (W) = 597.21 (INFLOW, PR. SS, CLASS A, TYPE 2, 12")

S-215B | PR. CB. TYPE D, 3' DIA, TYPE 11 FRAME & GRATE  
 STA 14+34.8 OFFSET 61' RT  
 T.O.G. = 603.15  
 INV. (N) = 596.90 (OUTFLOW, PR. PR. SS, CLASS A, TYPE 2, 12")  
 HALF-TRAP ON OUTLET

S-239 | PR. CB. TYPE D, 3' DIA, TYPE 11 FRAME & GRATE  
 STA 16+26.96 OFFSET XX' RT  
 T.O.G. = 602.88  
 INV. (N) = 594.68 (OUTFLOW, PR. PR. SS, CLASS A, TYPE 2, 12")  
 HALF-TRAP ON OUTLET

S-239A | PR. MH. TYPE A, 4' DIA, TYPE 1 FRAME CLOSED LID  
 STA 16+26.9 OFFSET 20' LT  
 T.O.G. = 602.92  
 INV. (N) = 593.72 (INFLOW PR. SS, CLASS A, TYPE 2, 12")  
 INV. (S) = 594.08 (INFLOW PR. SS, CLASS A, TYPE 2, 12")  
 INV. (E) = 593.42 \*ESTIMATED (OUTFLOW EX. SEWER)  
 INV. (W) = 593.42 \*ESTIMATED (INFLOW EX. SEWER)

S-239B | PR. CB. TYPE D, 3' DIA, TYPE 11 FRAME & GRATE  
 STA 16+26.96 OFFSET XX' LT  
 T.O.G. = 602.78  
 INV. (N) = 593.82 (OUTFLOW, PR. PR. SS, CLASS A, TYPE 2, 12")  
 HALF-TRAP ON OUTLET

P3-01 | PR. S.S. CLASS A, TYPE 2, WATERMAIN QUALITY PIPE, 12", 41 FEET  
 TRENCH BACKFILL = 9.1 CU YD; PIPE SLOPE = 0.50%

P3-02 | PR. S.S. CLASS A, TYPE 2, 12", 21 FEET  
 TRENCH BACKFILL = 4.6 CU YD; PIPE SLOPE = 0.50%

P3-03 | PR. S.S. CLASS A, TYPE 2, 12", 42 FEET  
 TRENCH BACKFILL = 9.3 CU YD; PIPE SLOPE = 0.50%

P3-04 | PR. S.S. CLASS A, TYPE 2, 12", 25 FEET  
 TRENCH BACKFILL = 5.5 CU YD; PIPE SLOPE = 0.50%

P3-05 | PR. S.S. CLASS A, TYPE 2, 12", 68 FEET  
 TRENCH BACKFILL = 15.1 CU YD; PIPE SLOPE = 1.0%

P4-01 | PR. S.S. CLASS A, TYPE 2, 12", 25 FEET  
 TRENCH BACKFILL = 5.5 CU YD; PIPE SLOPE = 1.0%

P4-02 | PR. S.S. CLASS A, TYPE 2, 12", 10 FEET  
 TRENCH BACKFILL = 2.2 CU YD; PIPE SLOPE = 1.0%

P4-03 | PR. S.S. CLASS A, TYPE 2, 12", 60 FEET  
 TRENCH BACKFILL = 13.3 CU YD; PIPE SLOPE = 1.0%

P4-04 | PR. S.S. CLASS A, TYPE 2, 12", 10 FEET  
 TRENCH BACKFILL = 2.2 CU YD; PIPE SLOPE = 1.0%

MODEL: SHT SCH (Sheet)  
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USER NAME = navoed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/13/2026	DATE -	REVISED -

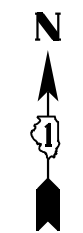
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**127TH STREET FROM I-57 TO ASHLAND AVENUE  
 DRAINAGE STRUCTURES TABLE**

SCALE: SHEET 1 OF 70 SHEETS STA. TO STA.

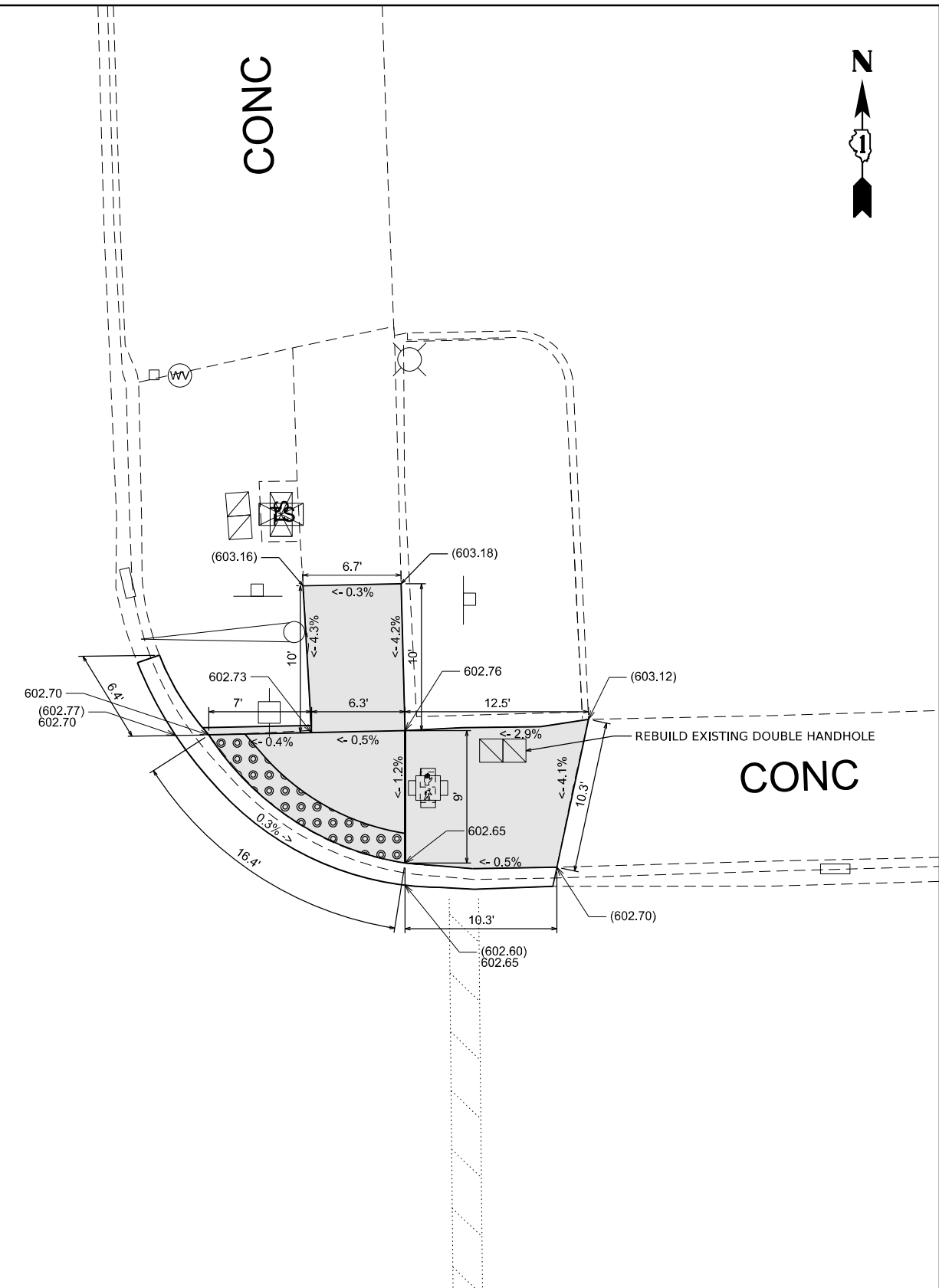
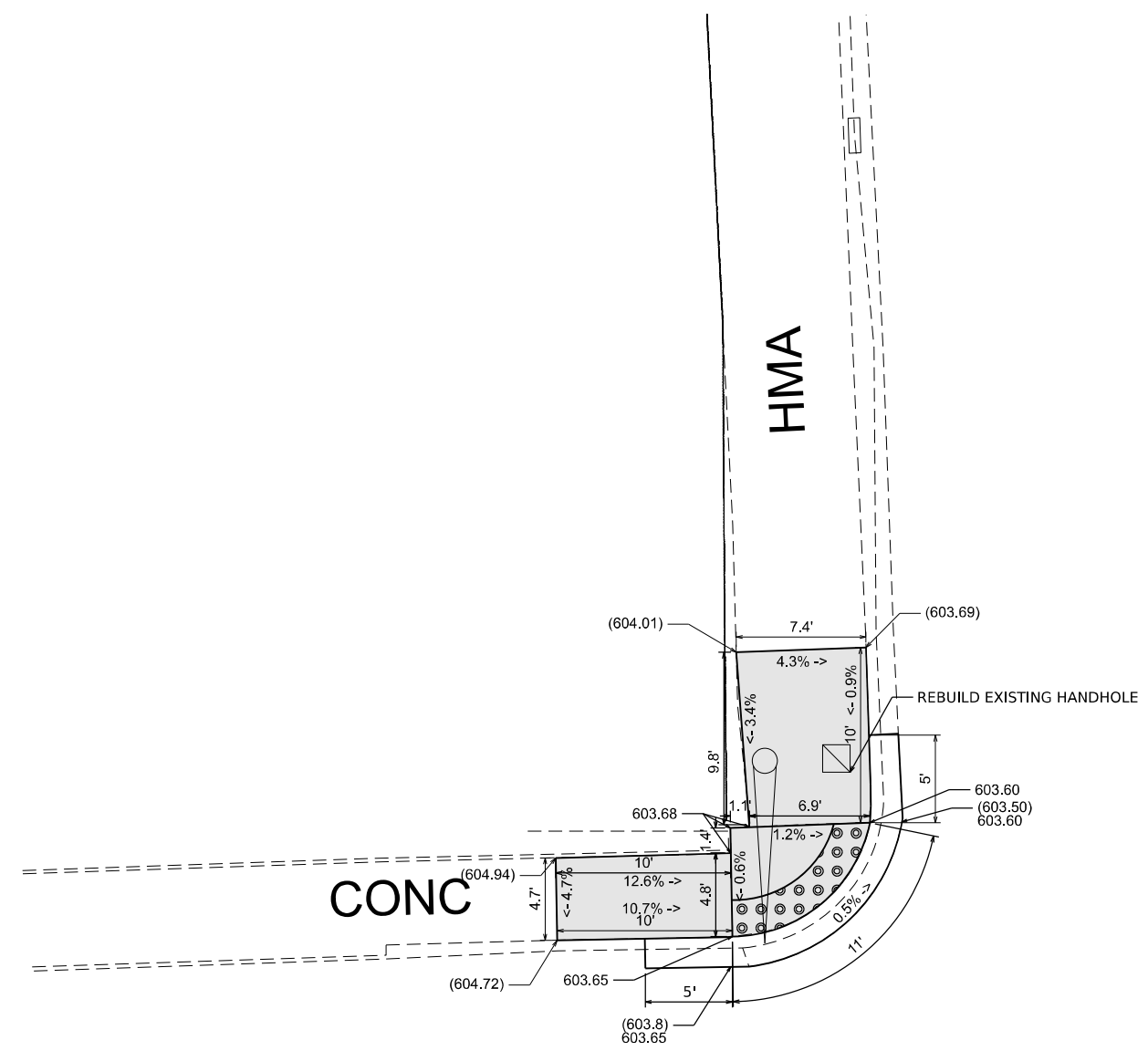
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	23A
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				





MARSHFIELD AVE.

127TH ST



**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

PT 1000-1407  
 BENCHMARK: CHISELED SQUARE AT S.W. CORNER OF TRAFFIC SIGNAL POST'S BASE  
 ELEVATION: 602.87  
 LOCATION: N.E. CORNER OF 127TH STREET AT MARSHFIELD AVE.

USER NAME = naveed,hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
 127TH STREET AT MARSHFIELD AVE.

SCALE: SHEET 2 OF 7 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	25
CONTRACT NO. 80B26				

ILLINOIS FED. AID PROJECT

MODEL: Marshfield Ave. (North) (Sheet)  
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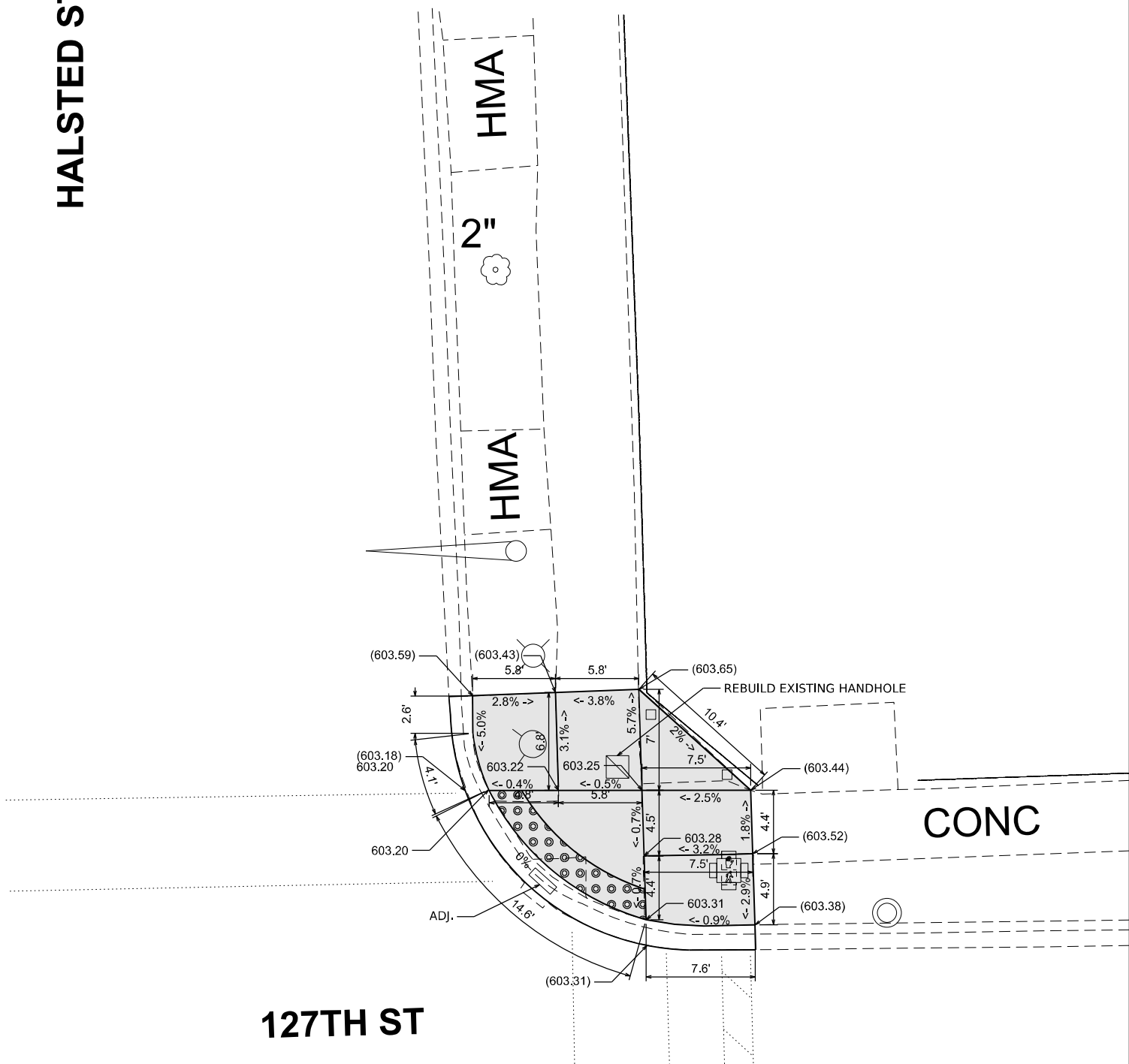
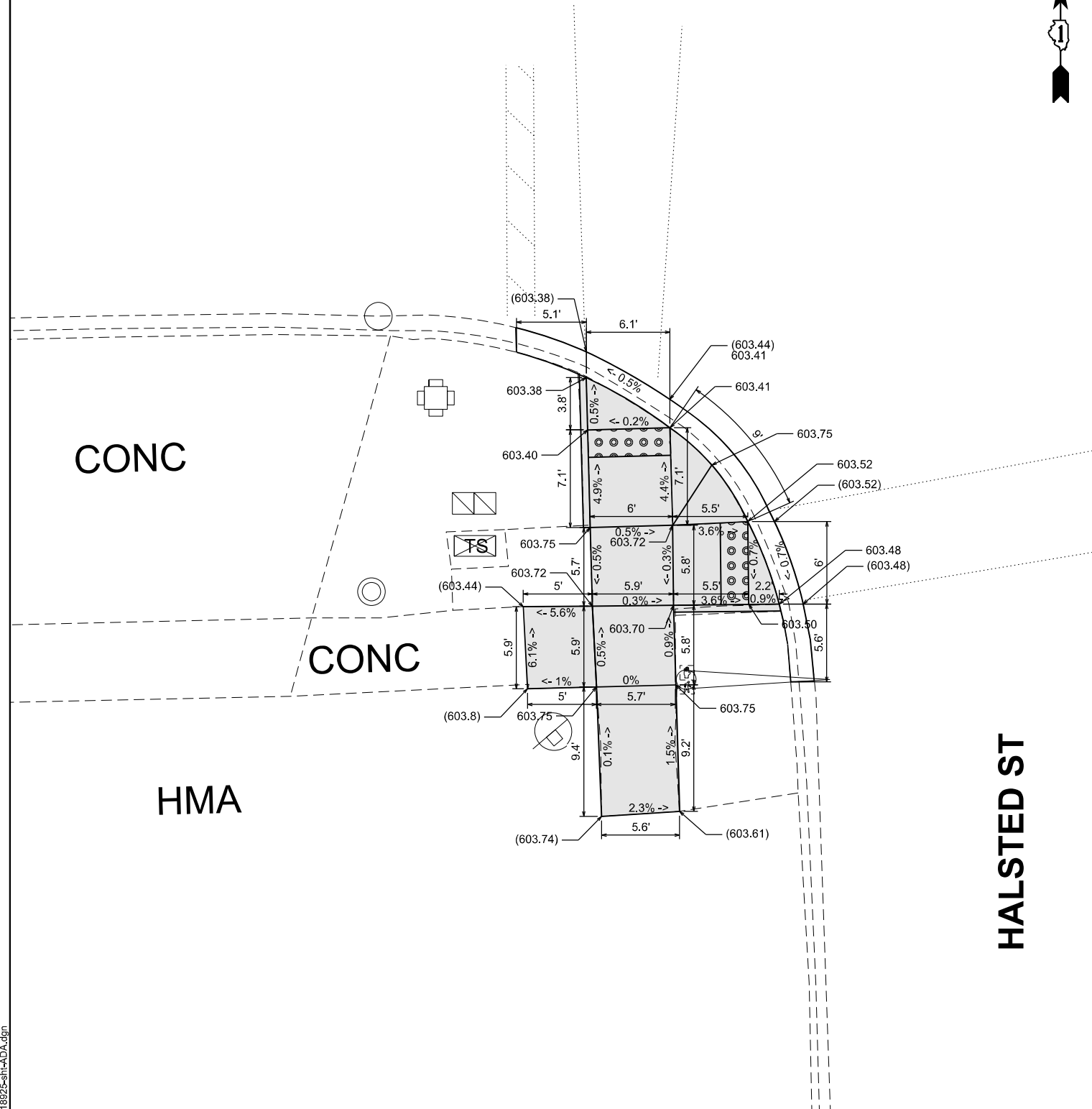
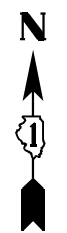
127TH ST



HALSTED ST

HALSTED ST

127TH ST



MODEL: Halsted St, SW (Sheet)  
FILE NAME: c:\p\work\hassan\1123555\118925-sh-halstad.dgn

PT 2400-2738  
BENCHMARK: CHISELED SQUARE AT N.W. CORNER OF TRAFFIC CONTROL BOX  
ELEVATION: 604.04  
LOCATION: S.W. CORNER OF 127TH STREET AT HALSTED AVE.

**LEGEND**

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS  
127TH STREET AT HALSTED STREET

SCALE: SHEET 7 OF 7 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	30
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

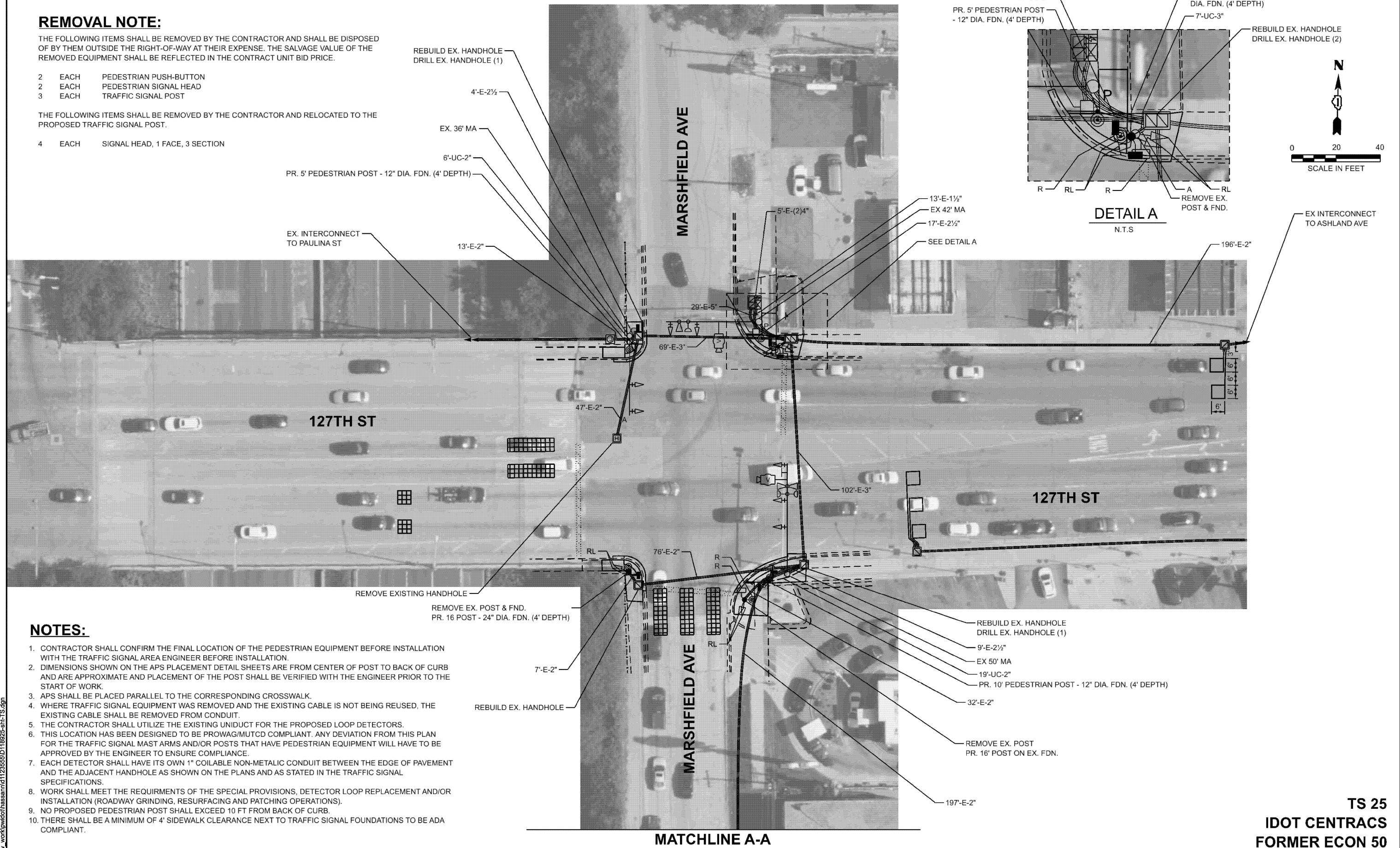
**REMOVAL NOTE:**

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 UNIT BID PRICE.

- 2 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 3 EACH TRAFFIC SIGNAL POST

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST.

- 4 EACH SIGNAL HEAD, 1 FACE, 3 SECTION



**NOTES:**

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. DIMENSIONS SHOWN ON THE APS PLACEMENT DETAIL SHEETS ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING CABLE SHALL BE REMOVED FROM CONDUIT.
5. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
6. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
7. EACH DETECTOR SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
8. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
9. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.
10. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.

MODEL: APS-1 [Sheet]  
FILE NAME: c:\pw\work\hassan\1123555D\118925-sh1-TS.dgn

**TS 25  
IDOT CENTRACS  
FORMER ECON 50**

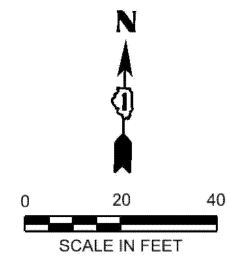
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PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

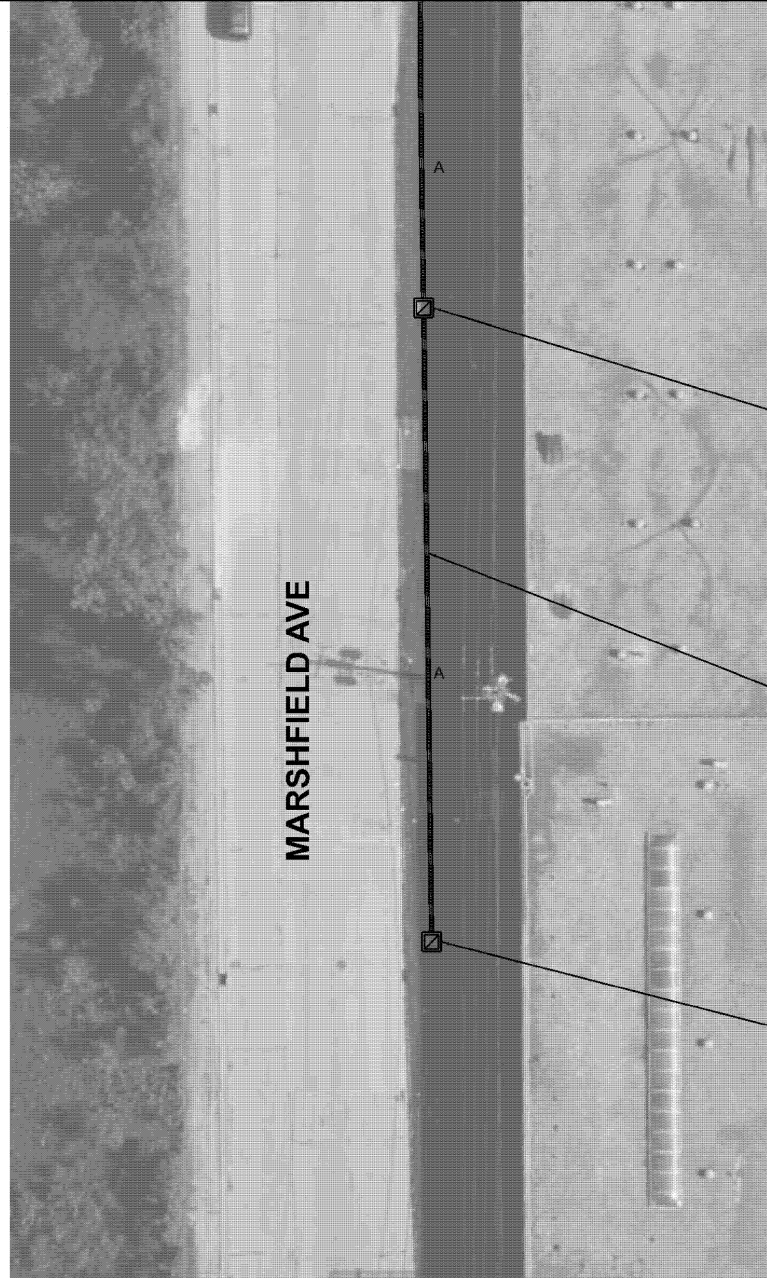
**TRAFFIC SIGNAL MODERNIZATION  
127TH ST AND MARSHFIELD AVE - SHEET 1 OF 2**

SCALE: SHEET A001 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	31
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



**MATCHLINE A-A**



REMOVE EXISTING HANDHOLE

132'-E-2"

REMOVE EXISTING HANDHOLE

**TS 25**  
**IDOT CENTRACS**  
**FORMER ECON 50**

MODEL: APS-2 [Sheet]  
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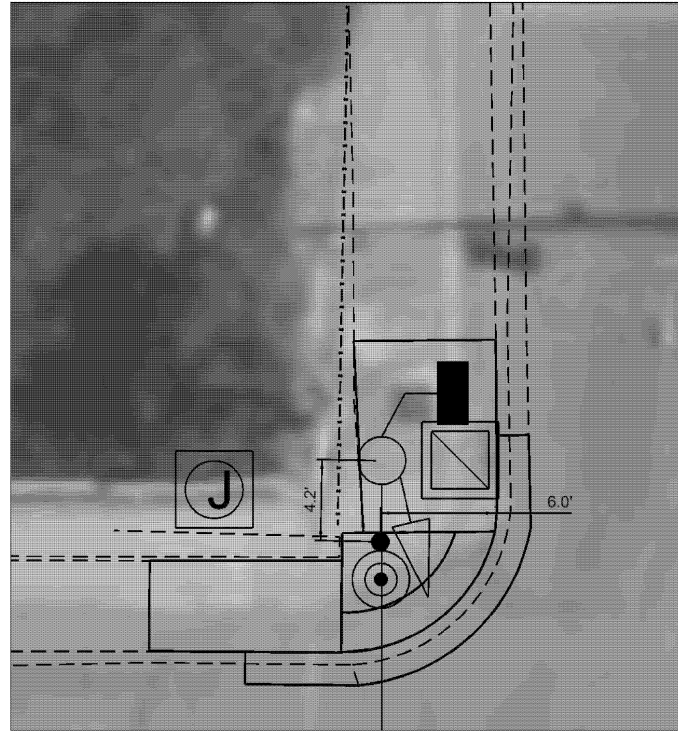
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	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

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

**TRAFFIC SIGNAL MODERNIZATION**  
**127TH ST AND MARSHFIELD AVE - SHEET 2 OF 2**

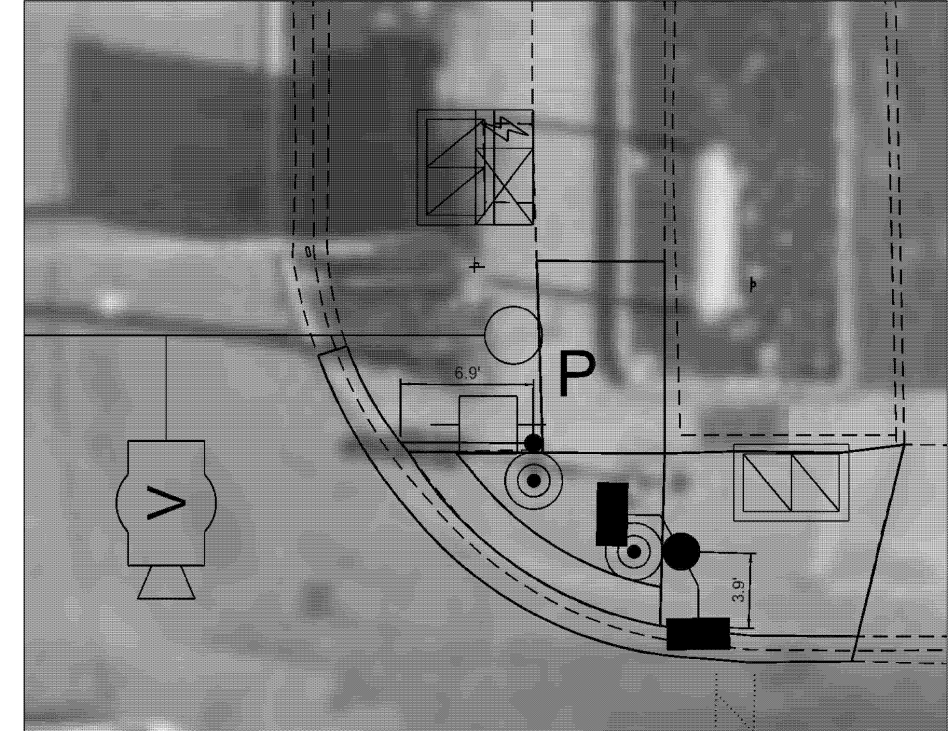
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B26	

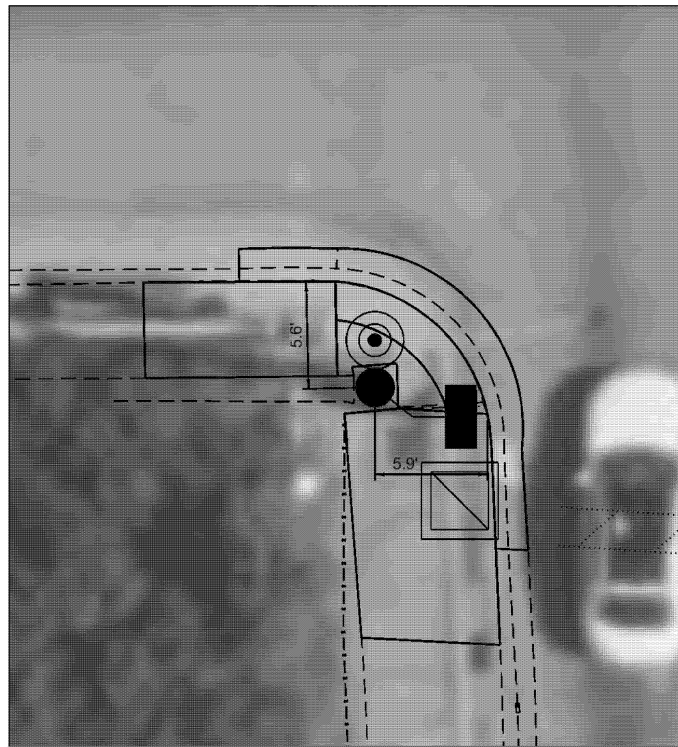


127TH ST

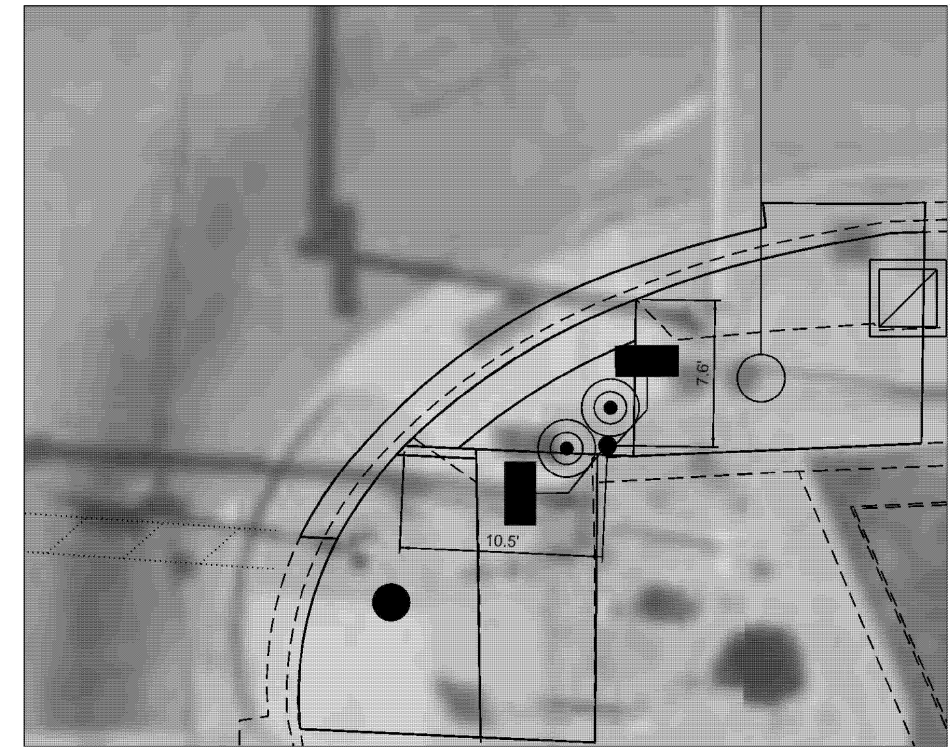
MARSHFIELD AVE



127TH ST



MARSHFIELD AVE



TS 25  
IDOT CENTRACS  
FORMER ECON 50

MODEL: APS\_3 [Sheet]  
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USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

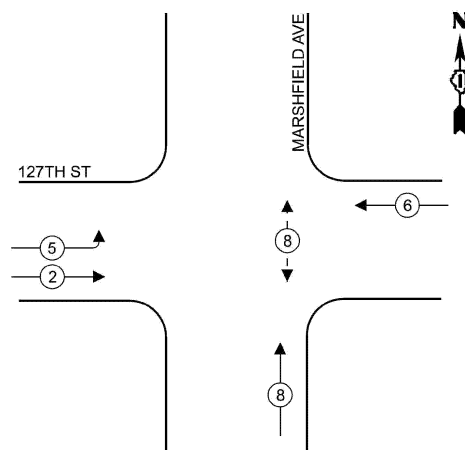
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS PLACEMENT DETAILS  
127TH ST AND MARSHFIELD AVE

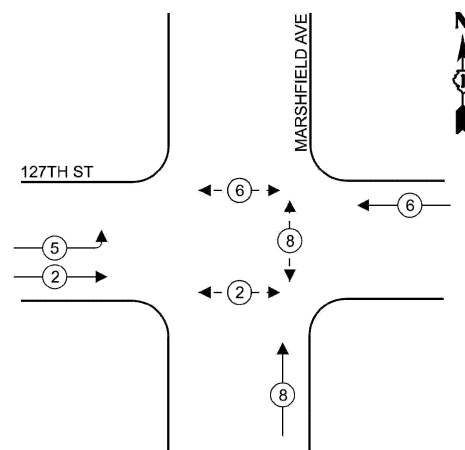
SCALE: SHEET A003 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	33
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

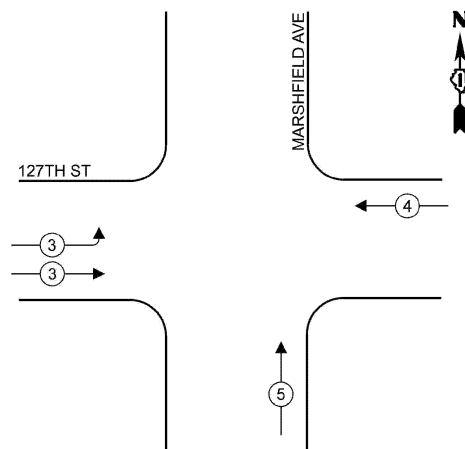
**EXISTING CONTROLLER SEQUENCE**



**PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 W. CENTER CT,  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY:  
 CONTACT: NEW BUSINESS DEPT.  
 PHONE: (866)-639-3532  
 COMPANY: COMED  
 ACCOUNT NUMBER: 60502-92000  
 METER NUMBER:

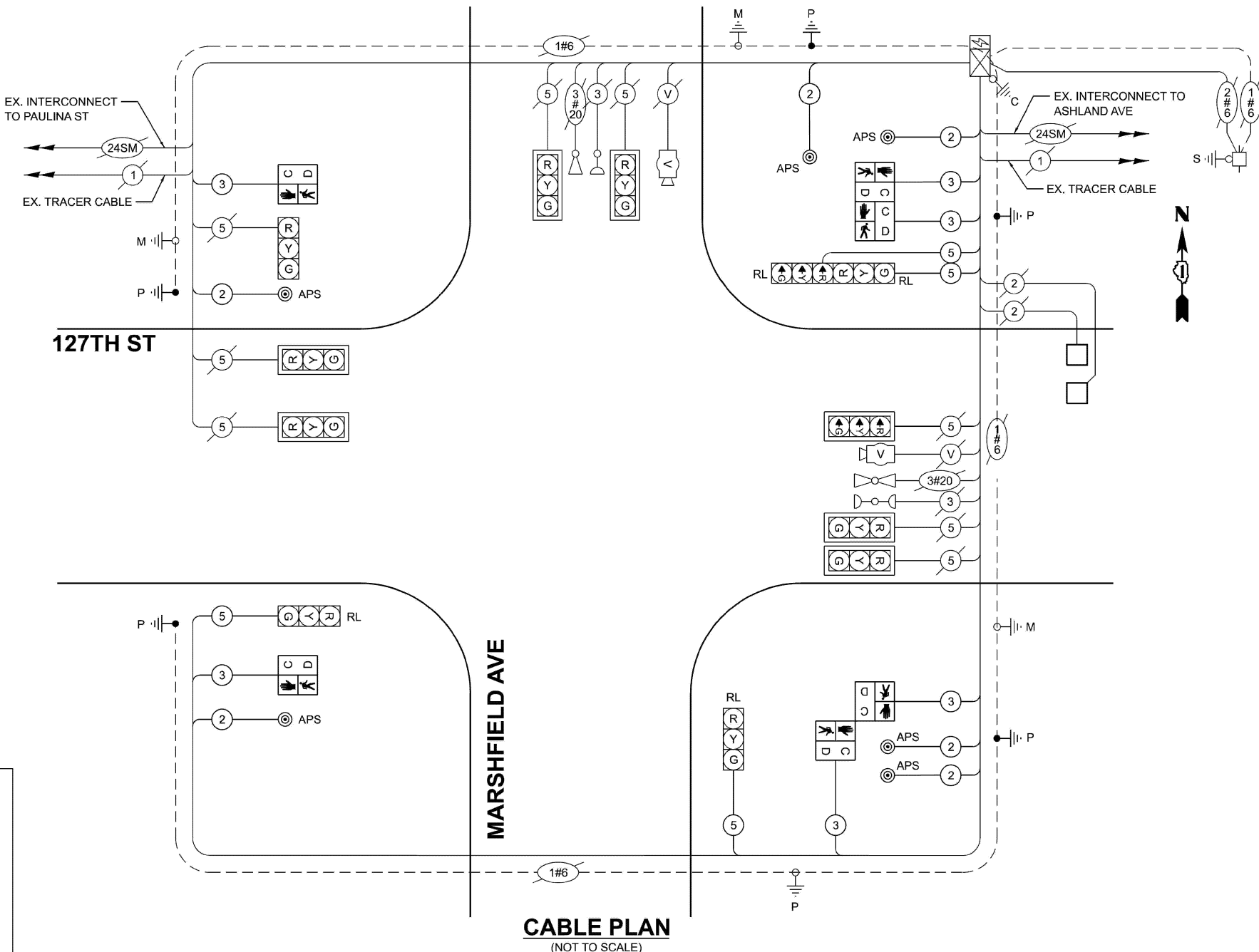
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	6	15	90
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			487
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			1092

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	39
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	7
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1010
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1035
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	685
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	125
TRAFFIC SIGNAL POST, 16 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIME	EACH	6
DETECTOR LOOP, TYPE I	FOOT	66
RELOCATE EXISTING SIGNAL HEAD	EACH	4

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1840
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	4
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	1

**SCHEDULE OF QUANTITIES**



**CABLE PLAN**  
(NOT TO SCALE)

MODEL: APS-4 [Sheet]  
FILE NAME: c:\p\work\hassan\1123655D\18826-sh1-TS.dgn

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
127TH ST AND MARSHFIELD AVE**

SCALE: SHEET A004 OF 17 SHEETS STA. TO STA.

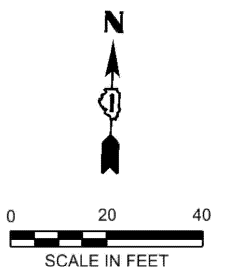
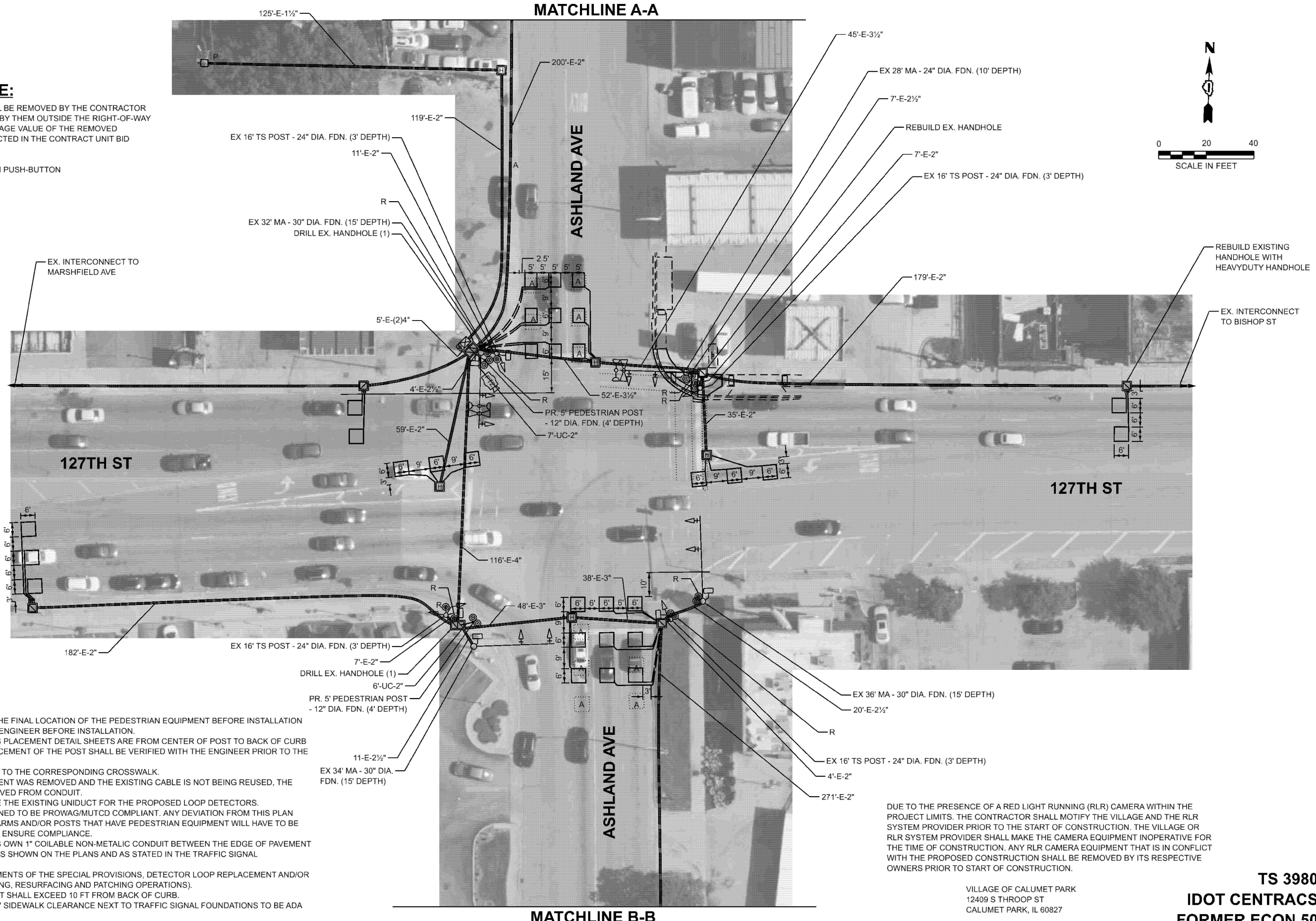
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	34
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

**TS 25  
IDOT CENTRACS  
FORMER ECON 50**

**REMOVAL NOTE:**

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 UNIT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON



**NOTES:**

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. DIMENSIONS SHOWN ON THE APS PLACEMENT DETAIL SHEETS ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING CABLE SHALL BE REMOVED FROM CONDUIT.
5. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
6. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
7. EACH DETECTOR SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
8. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
9. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.
10. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOTIFY THE VILLAGE AND THE RLR SYSTEM PROVIDER PRIOR TO THE START OF CONSTRUCTION. THE VILLAGE OR RLR SYSTEM PROVIDER SHALL MAKE THE CAMERA EQUIPMENT INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO START OF CONSTRUCTION.

VILLAGE OF CALUMET PARK  
12409 S THROOP ST  
CALUMET PARK, IL 60827

**TS 3980**  
**IDOT CENTRACS**  
**FORMER ECON 50**

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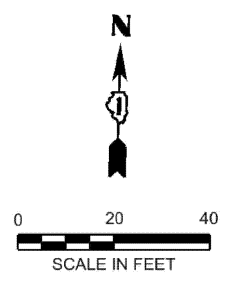
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

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

**TRAFFIC SIGNAL MODERNIZATION**  
**127TH ST AND ASHLAND AVE - SHEET 1 OF 2**

SCALE: SHEET A005 OF 17 SHEETS STA. TO STA.

F.A.P RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 35
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

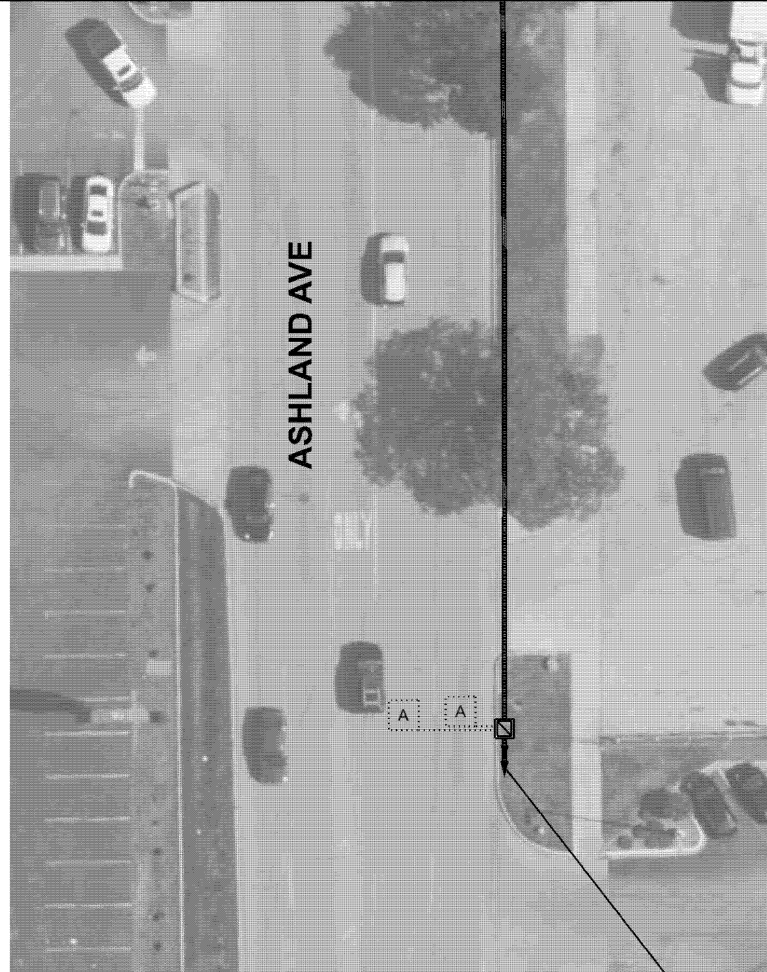


REMOVE EXISTING  
HANDHOLE



MATCHLINE A-A

MATCHLINE B-B



EX. INTERCONNECT TO  
VERMONT AVE

MODEL: APS\_6 [Sheet]  
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**TS 3980**  
**IDOT CENTRACS**  
**FORMER ECON 50**

USER NAME = naveed.hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

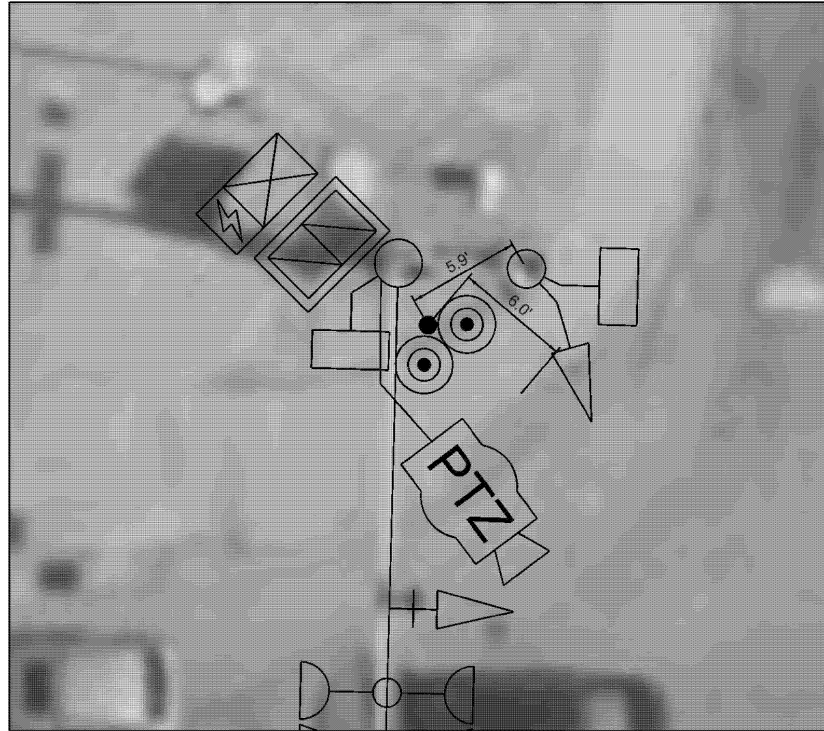
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION**  
**127TH ST AND ASHLAND AVE - SHEET 2 OF 2**

SCALE: SHEET A006 OF 17 SHEETS STA. TO STA.

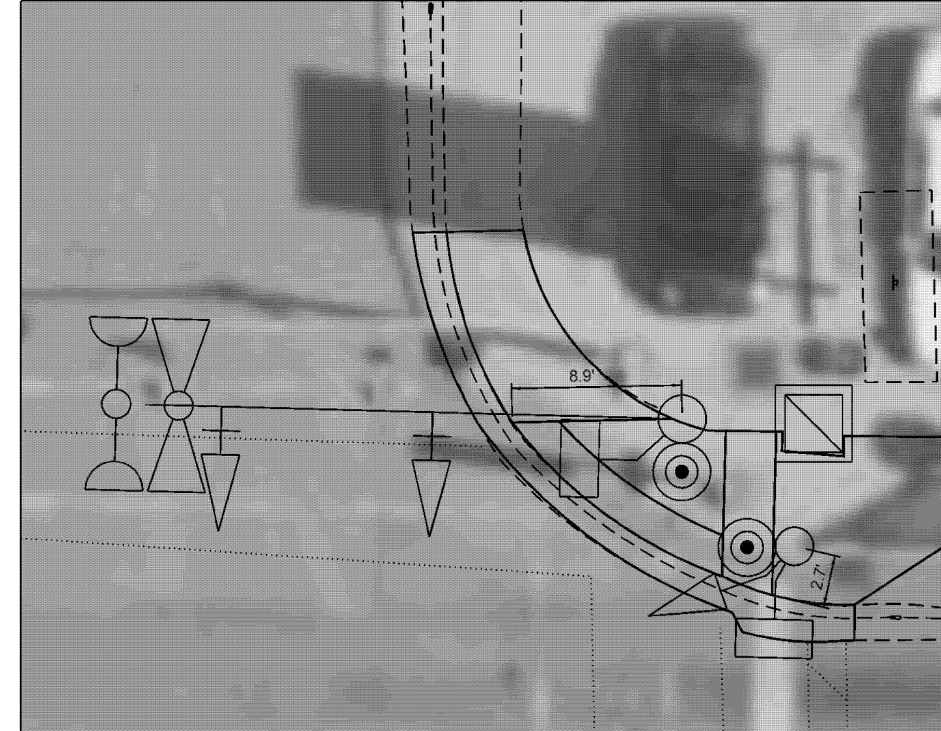
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	36
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

NOTE:  
BUREAU OF DESIGN FIELD CHECK DETERMINED THIS QUADRANT IS  
PROWAG COMPLIANT. NO SURVEY WAS OBTAINED TO VERIFY  
EXISTING SLOPES. EXISTING CURB RAMP TO REMAIN AS IS.

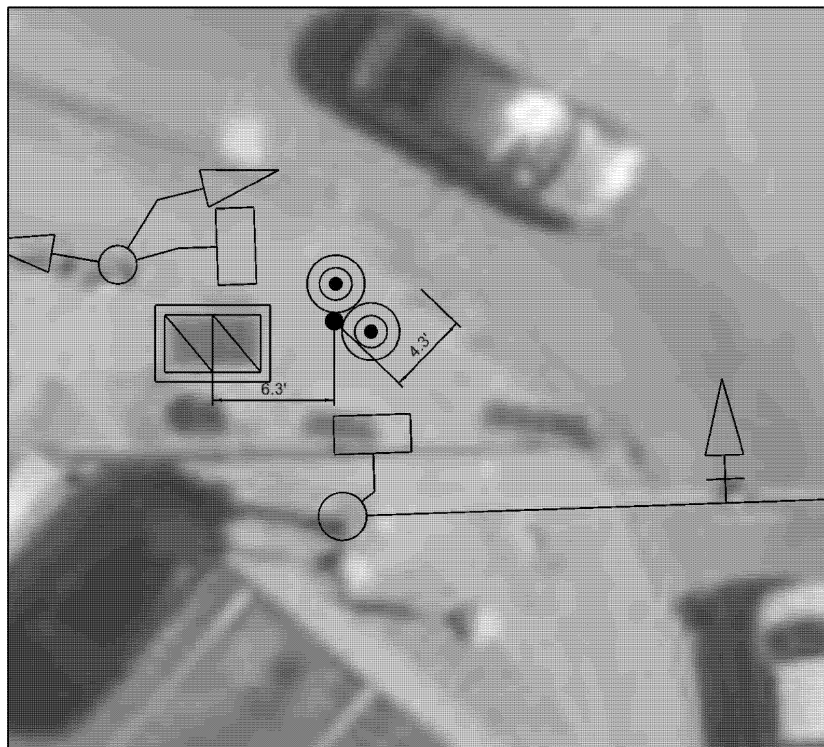


127TH ST

ASHLAND AVE

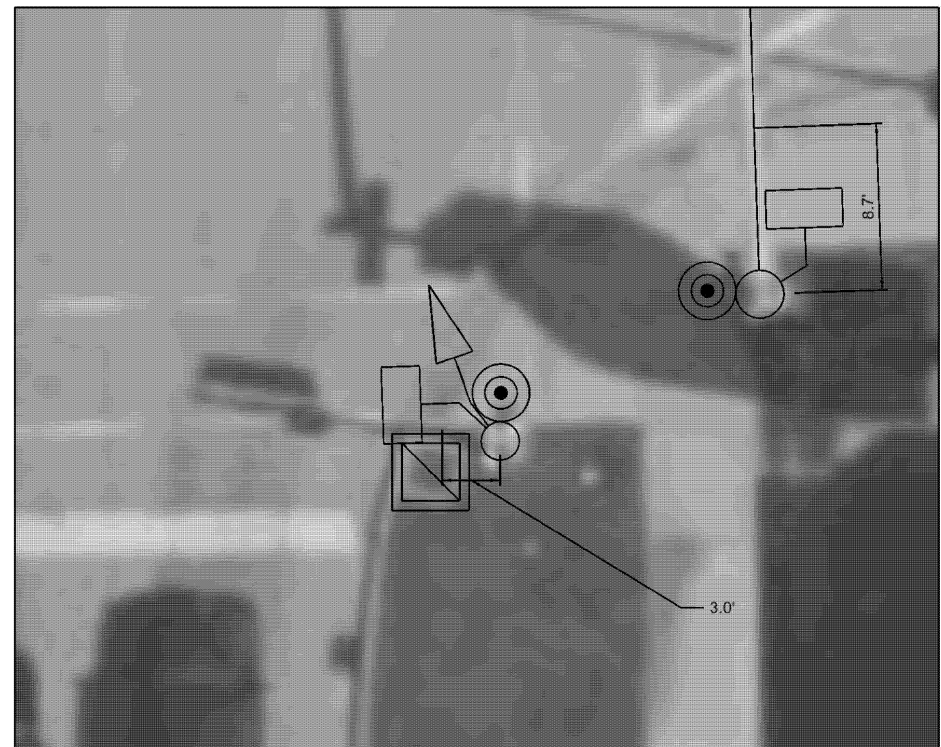


127TH ST



NOTE:  
BUREAU OF DESIGN FIELD CHECK DETERMINED THIS QUADRANT IS  
PROWAG COMPLIANT. NO SURVEY WAS OBTAINED TO VERIFY  
EXISTING SLOPES. EXISTING CURB RAMP TO REMAIN AS IS.

ASHLAND AVE



NOTE:  
BUREAU OF DESIGN FIELD CHECK DETERMINED THIS QUADRANT IS  
PROWAG COMPLIANT. NO SURVEY WAS OBTAINED TO VERIFY  
EXISTING SLOPES. EXISTING CURB RAMP TO REMAIN AS IS.

TS 3980  
IDOT CENTRACS  
FORMER ECON 50

MODEL: APS-7 (Sheet)  
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	DRAWN -	REVISED -
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PLOT DATE = 12/8/2025	DATE -	REVISED -

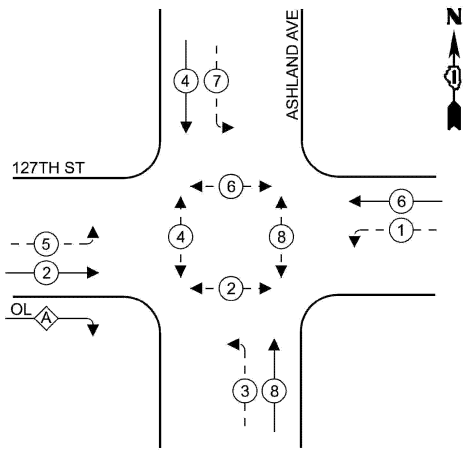
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS PLACEMENT DETAILS  
127TH ST AND ASHLAND AVE

SCALE: SHEET A007 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	37
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

**EXISTING CONTROLLER SEQUENCE**



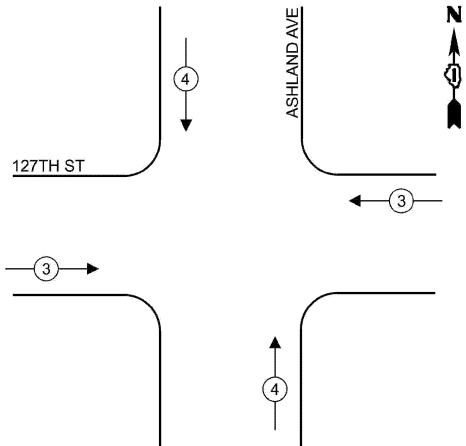
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP PERMISSIVE PROTECTED  
LETTER PHASE PHASE  
A = 2 + 3

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	3	11	33
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	100	100
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	1	25	25
CELLULAR MODEM	1	35	35
	-	15	-
TOTAL UPS SIZING			493
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
PTZ	1	75	75
TOTAL SERVICE WIRE SIZING			1173

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

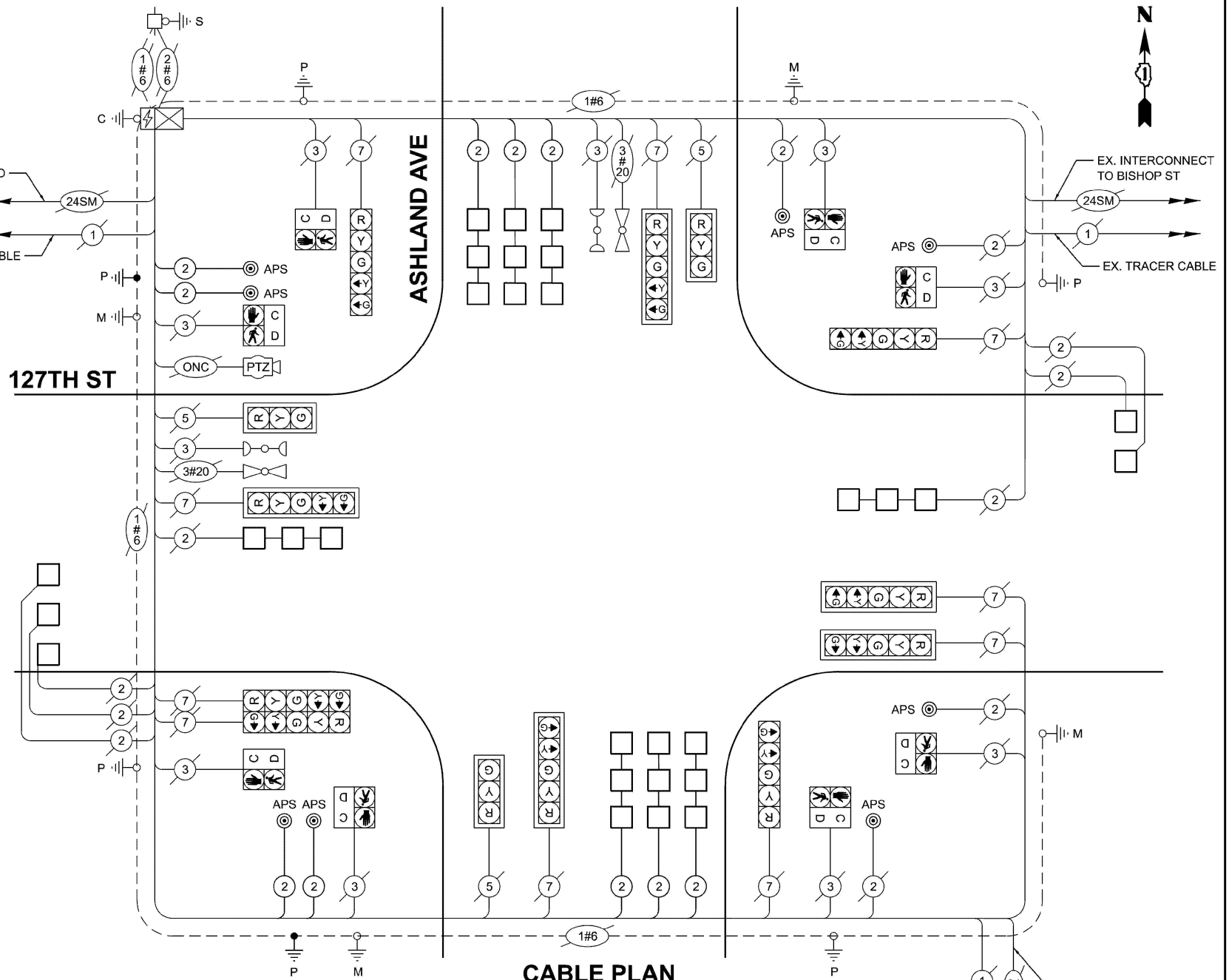
ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT.  
PHONE: (866)-639-3532

COMPANY: COMED

ACCOUNT NUMBER: 60502-92000

METER NUMBER:



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	420
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	820
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	50
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	1020
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1155
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
127TH ST AND ASHLAND AVE**

SCALE: SHEET A008 OF 17 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	38
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

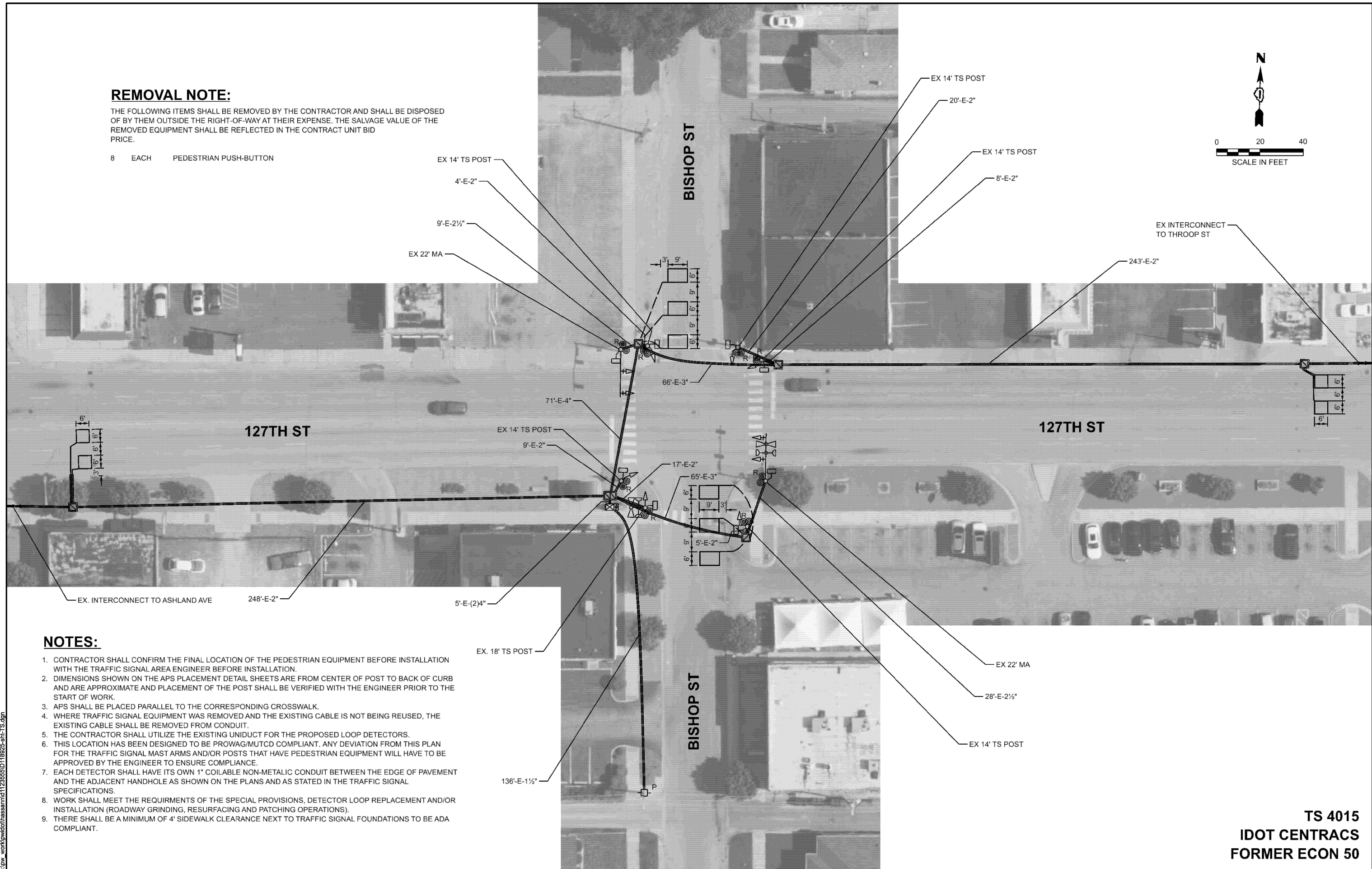
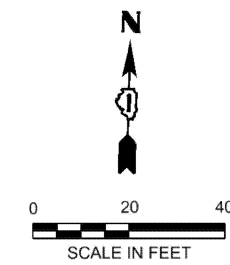
**TS 3980  
IDOT CENTRACS  
FORMER ECON 50**

MODEL: APS-8 (Sheet)  
FILE NAME: c:\p\work\wv\hassan\1123655D\18826-sh1-TS.dgn

**REMOVAL NOTE:**

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 UNIT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON



**NOTES:**

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. DIMENSIONS SHOWN ON THE APS PLACEMENT DETAIL SHEETS ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING CABLE SHALL BE REMOVED FROM CONDUIT.
5. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
6. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
7. EACH DETECTOR SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
8. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
9. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.

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**TS 4015  
IDOT CENTRACS  
FORMER ECON 50**

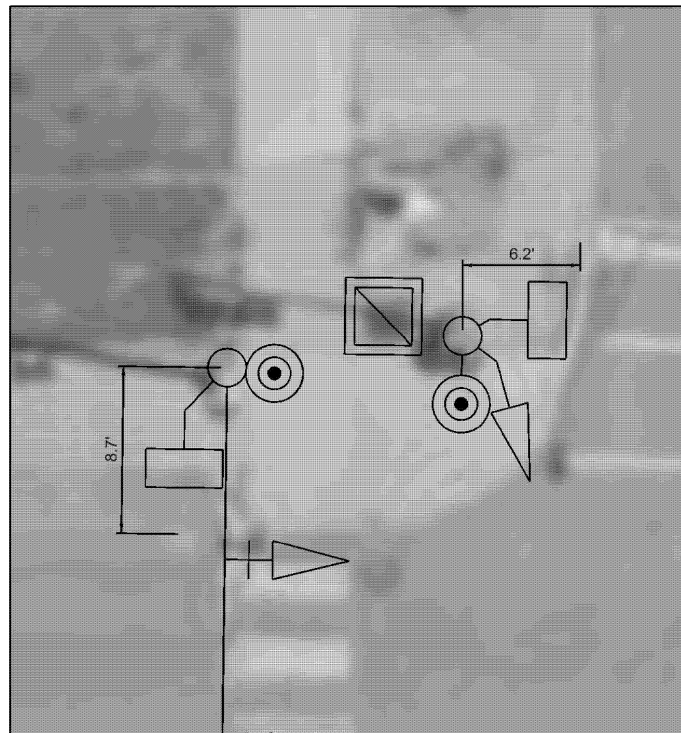
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	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION  
127TH ST AND BISHOP ST**

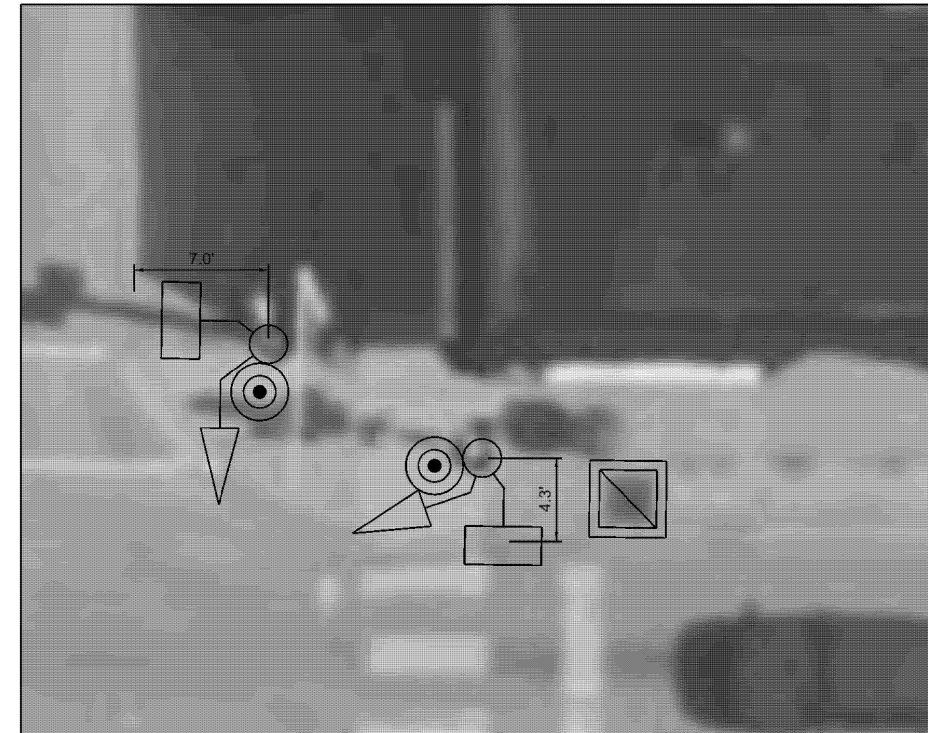
SCALE: SHEET A009 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	39
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				



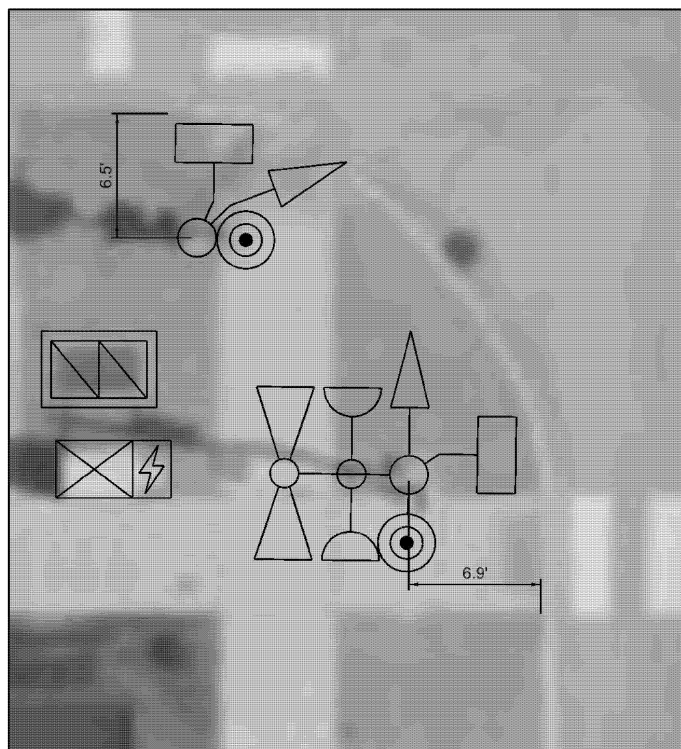
127TH ST

BISHOP ST

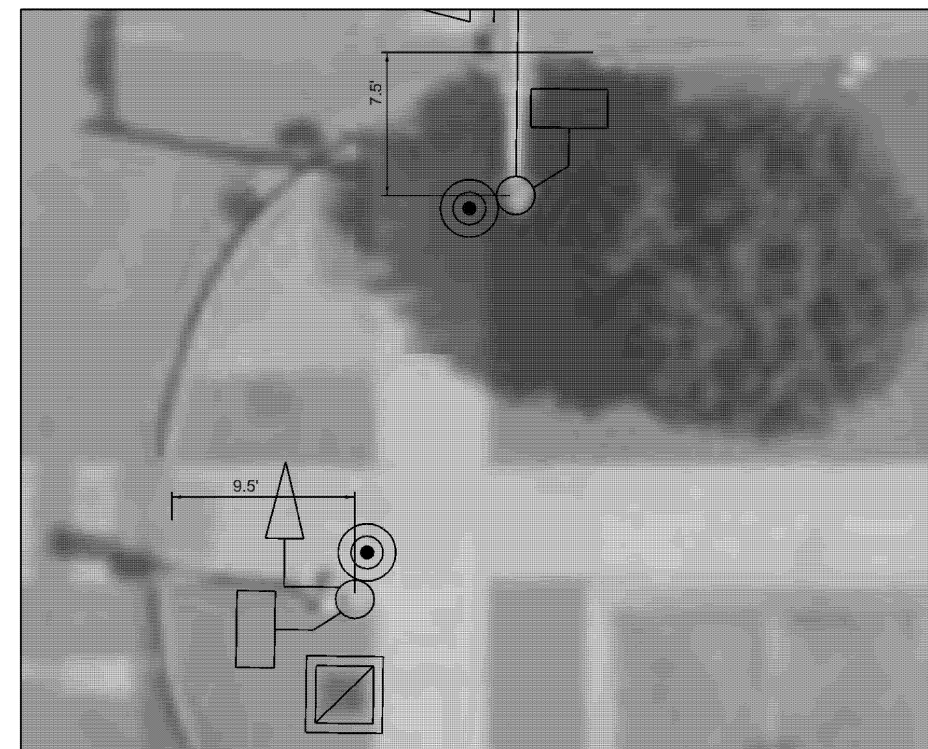


127TH ST

NOTE:  
BUREAU OF DESIGN FIELD CHECK DETERMINED ALL QUADRANTS  
ARE PROWAG COMPLIANT. NO SURVEY WAS OBTAINED TO VERIFY  
EXISTING SLOPES. EXISTING CURB RAMPS TO REMAIN AS ARE.



BISHOP ST



TS 4015  
IDOT CENTRACS  
FORMER ECON 50

MODEL: APS\_10 (Sheet)  
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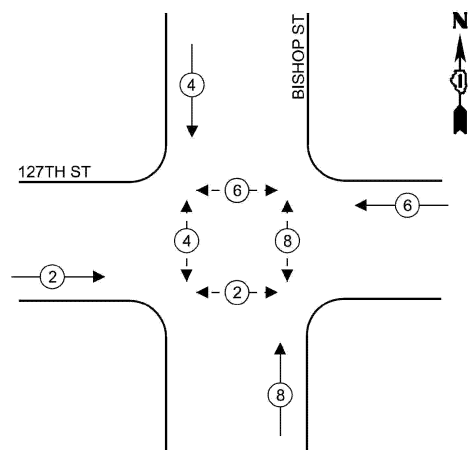
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS PLACEMENT DETAILS  
127TH ST AND BISHOP ST

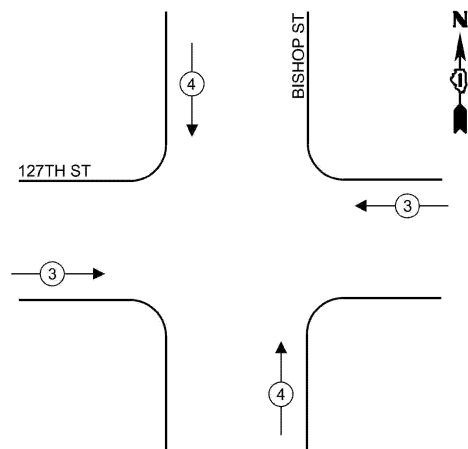
SCALE: SHEET A010 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	40
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

**EXISTING  
CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED  
EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**LEGEND**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

**TRAFFIC SIGNAL ELECTRICAL  
SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
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 RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			440
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			1045

**ENERGY COSTS TO:  
VILLAGE OF CALUMET PARK**

12049 S. THROOP ST.  
CALUMET PARK, IL 60827

**ENERGY SUPPLY:**

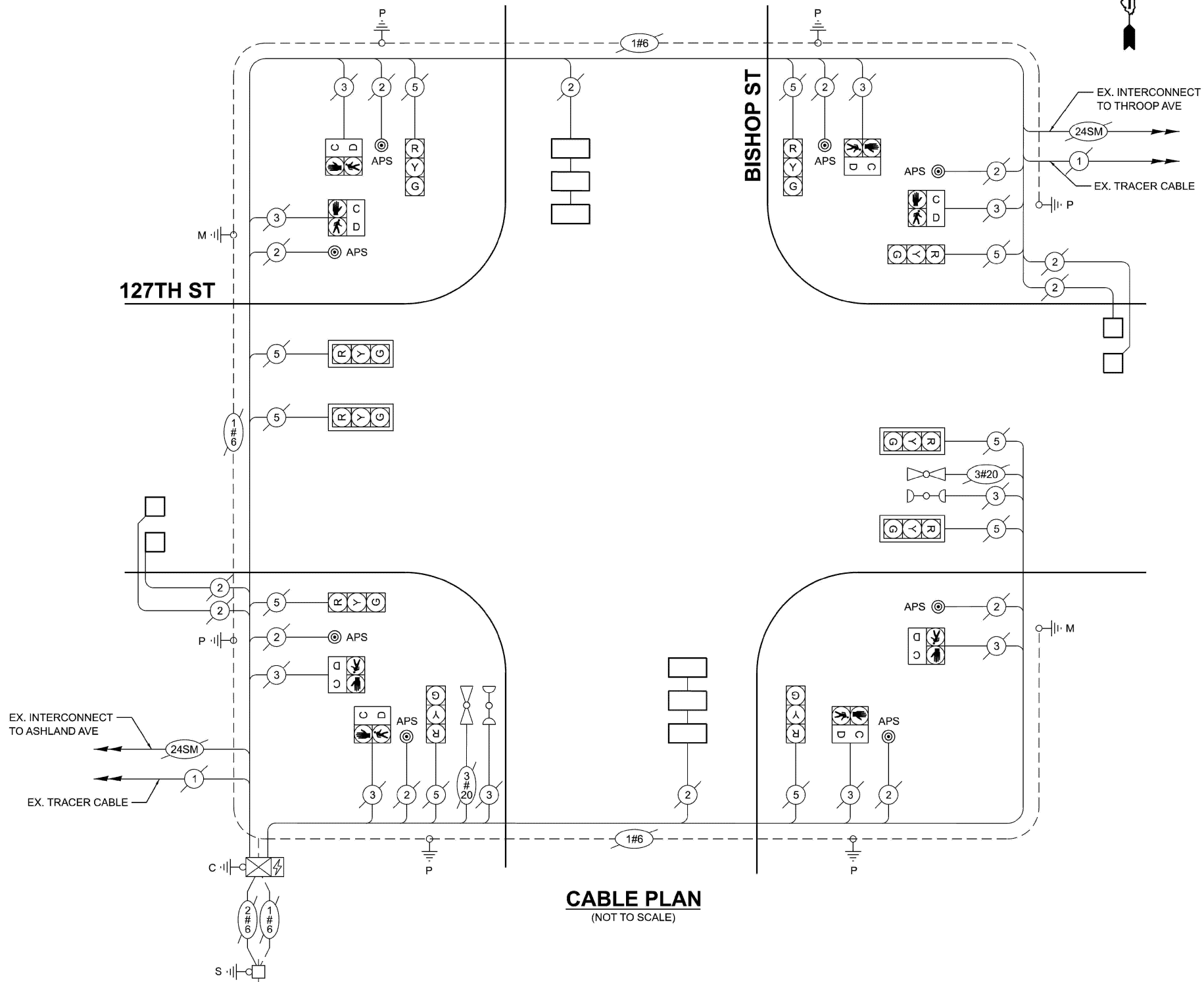
CONTACT: NEW BUSINESS DEPT.

PHONE: (866)-639-3532

COMPANY: COMED

ACCOUNT NUMBER: 31998-52000

METER NUMBER:



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	345
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TS 4015  
IDOT CENTRACS  
FORMER ECON 50**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
127TH ST AND BISHOP ST**

SCALE: SHEET A011 OF 17 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	41
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

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USER NAME = naveed.hassan

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DRAWN -

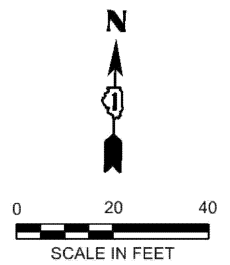
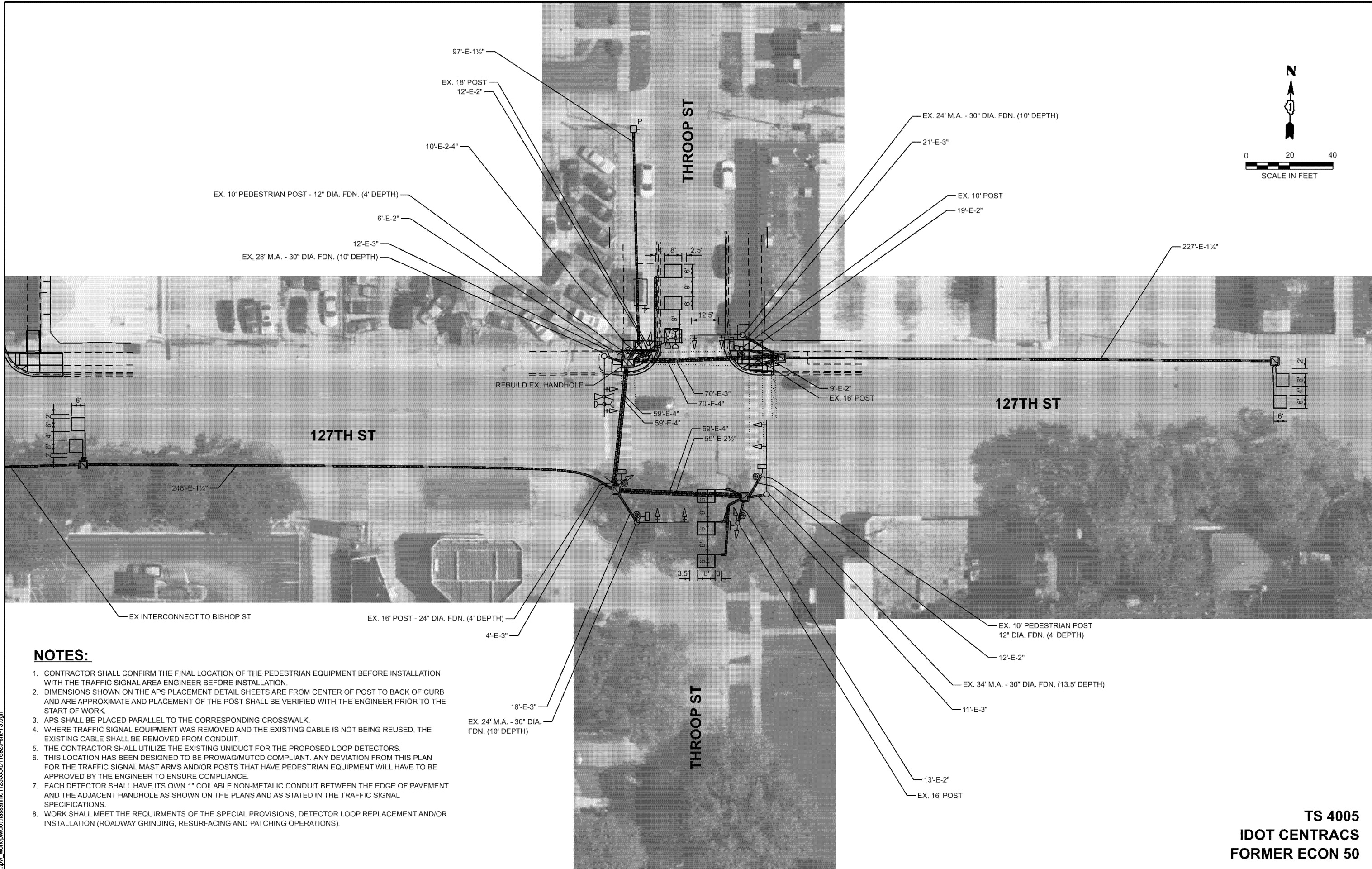
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CHECKED -

REVISED -

DATE = 12/8/2025

REVISED -



**NOTES:**

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. DIMENSIONS SHOWN ON THE APS PLACEMENT DETAIL SHEETS ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING CABLE SHALL BE REMOVED FROM CONDUIT.
5. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
6. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
7. EACH DETECTOR SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
8. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).

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**TS 4005**  
**IDOT CENTRACS**  
**FORMER ECON 50**

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	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

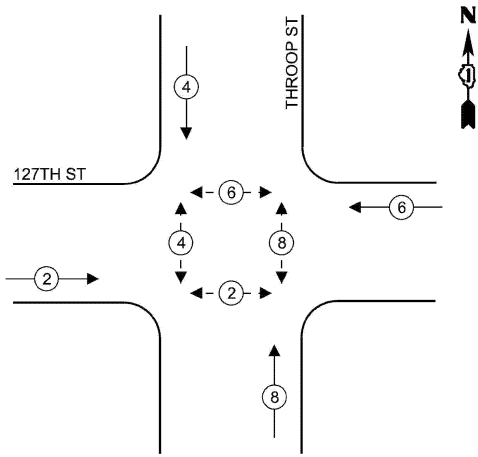
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT**  
**127TH ST AND THROOP ST**

SCALE: SHEET A012 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	42
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

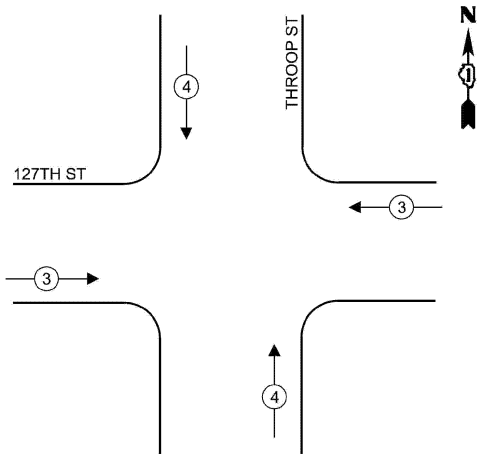
### EXISTING CONTROLLER SEQUENCE



### LEGEND

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

### EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



### TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
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 RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			506
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			1111

ENERGY COSTS TO:  
**VILLAGE OF CALUMET PARK**

12409 S. THROOP ST.  
CALUMET PARK, IL 60827

ENERGY SUPPLY:

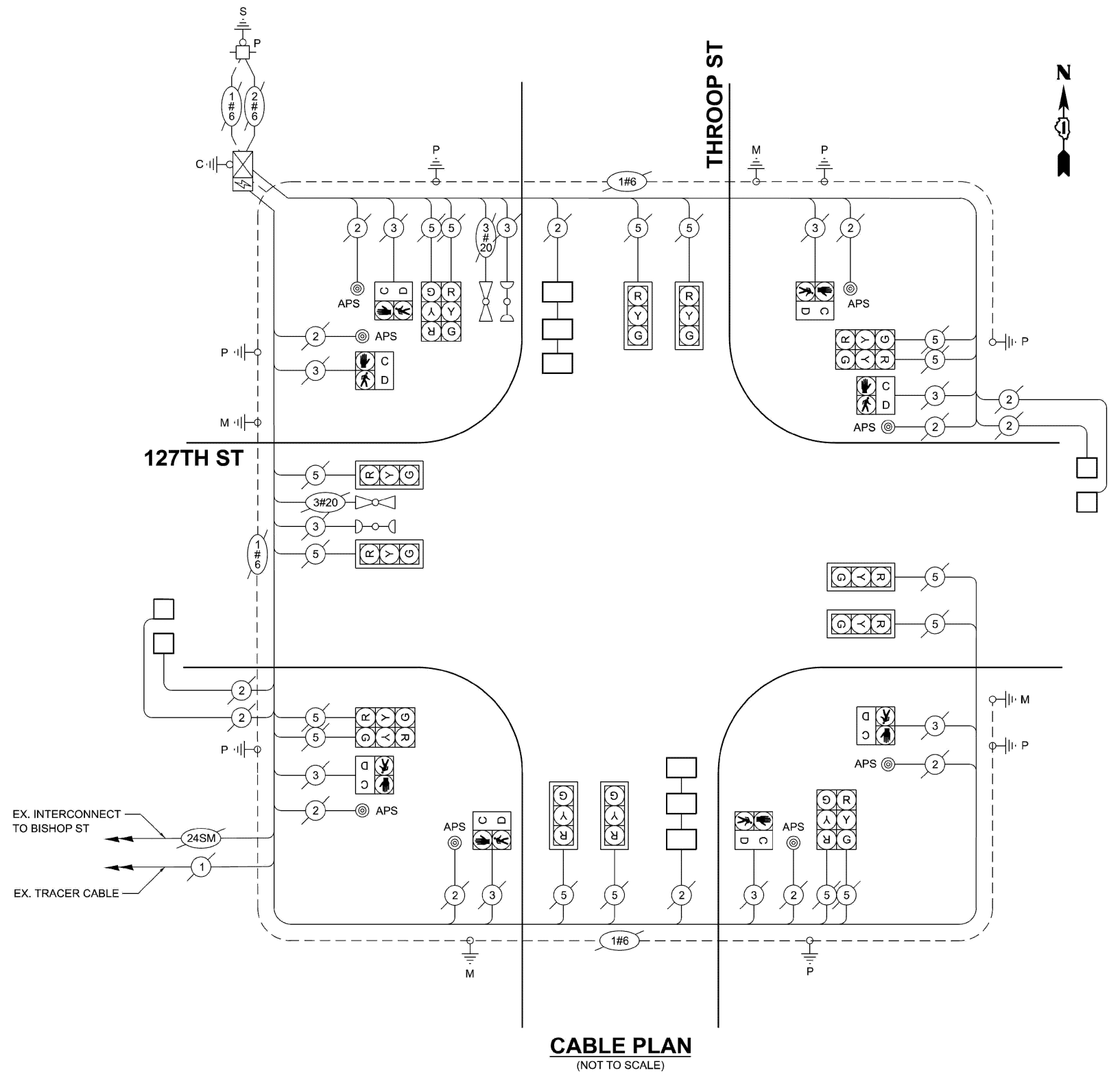
CONTACT: NEW BUSINESS DEPT.

PHONE: (866)-639-3532

COMPANY: COMED

ACCOUNT NUMBER: 31998-52000

METER NUMBER:



### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	315
REBUILD EXISTING HANDHOLE	EACH	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
127TH ST AND THROOP ST

SCALE: SHEET A013 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	43
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

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ECON 50

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REVISED -

PLOT DATE = 12/8/2025

DATE -

REVISED -

**REMOVAL NOTE:**

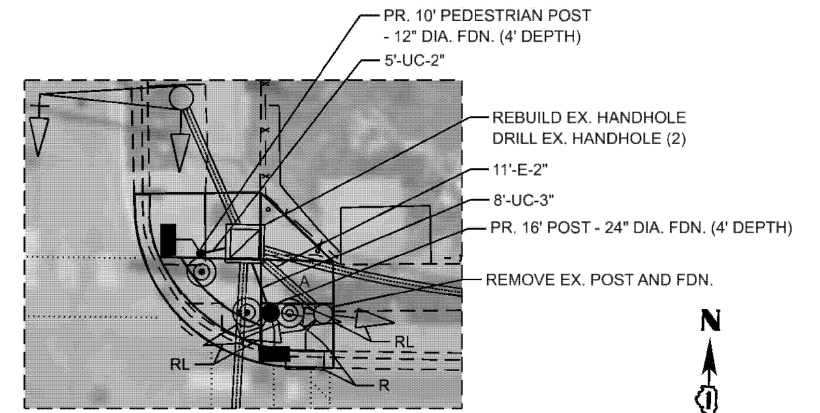
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.

- 4 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL POST

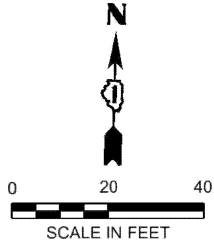
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST.

- 3 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION

**MATCHLINE A-A**



**DETAIL B**  
N.T.S.



- 169'-E-2"
- 21'-E-2"
- EX 16' TS POST
- 9'-E-2"
- DRILL EX. HANDHOLE (1)
- 4'-UC-2"
- PR. 10' PEDESTRIAN POST - 12" DIA. FDN. (4' DEPTH)
- 14'-E-2½"
- EX 20' MA

- EX 20' MA
- 17'-E-2½"
- SEE DETAIL B

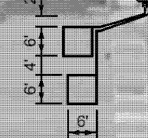
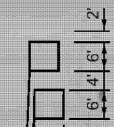
- 176'-E-2"
- 80'-E-1¼"

**127TH ST**

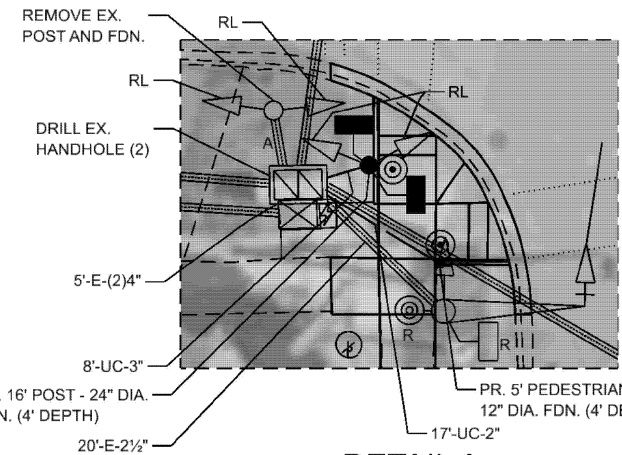
**127TH ST**

**IL RTE 1 (HALSTED ST)**

**IL RTE 1 (HALSTED ST)**



96'-E-1¼"



**DETAIL A**  
N.T.S.

- 159'-E-2"
- 43'-E-2"
- 76'-E-2½"
- 102'-E-1½"
- 40'-E-1½"
- SEE DETAIL A
- EX 20' MA
- 59'-E-3½"

- EX 20' MA
- 18'-E-2½"
- PR. 5' PEDESTRIAN POST - 12" DIA. FDN. (4' DEPTH)
- 18'-UC-2"
- DRILL EX. HANDHOLE (1)

- 51'-E-3½"
- 160'-E-2"

**NOTES:**

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. DIMENSIONS SHOWN ON THE APS PLACEMENT DETAIL SHEETS ARE FROM CENTER OF POST TO BACK OF CURB AND ARE APPROXIMATE AND PLACEMENT OF THE POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED AND THE EXISTING CABLE IS NOT BEING REUSED, THE EXISTING CABLE SHALL BE REMOVED FROM CONDUIT.
5. THE CONTRACTOR SHALL UTILIZE THE EXISTING UNIDUCT FOR THE PROPOSED LOOP DETECTORS.
6. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
7. EACH DETECTOR SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
8. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS).
9. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.
10. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.

**MATCHLINE B-B**

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	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

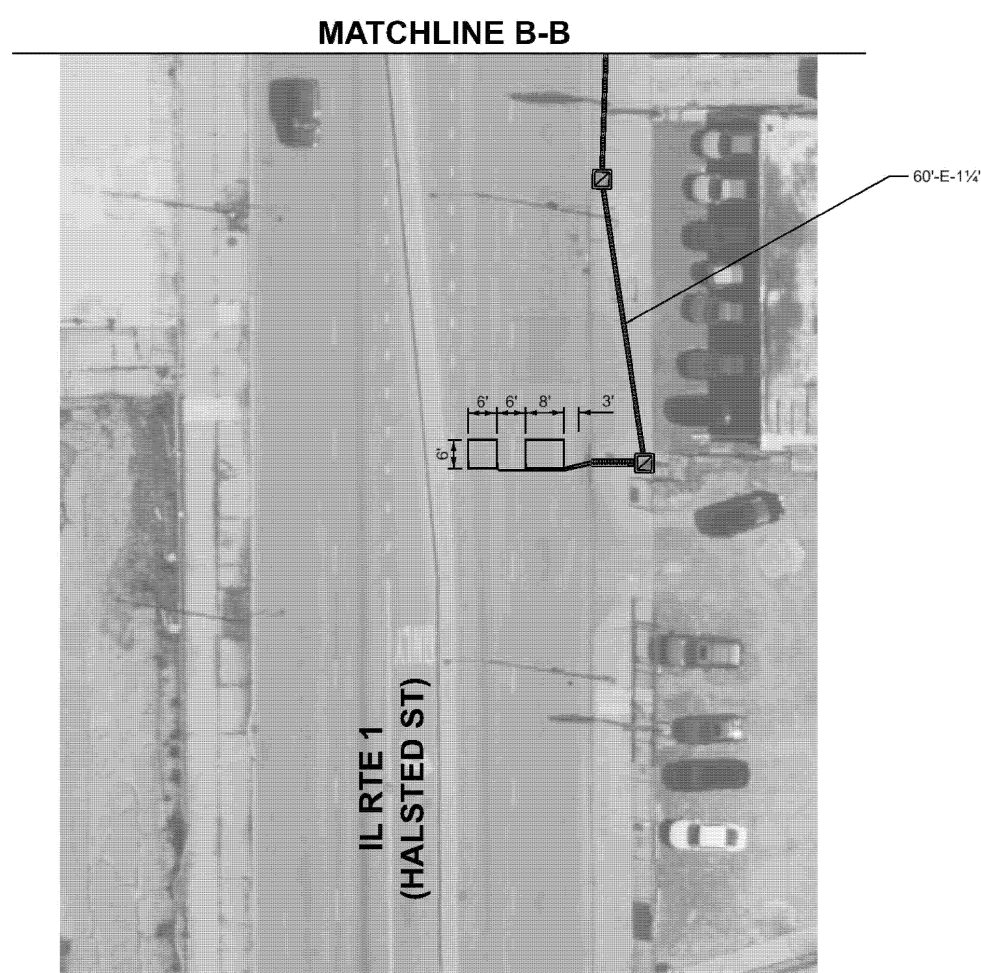
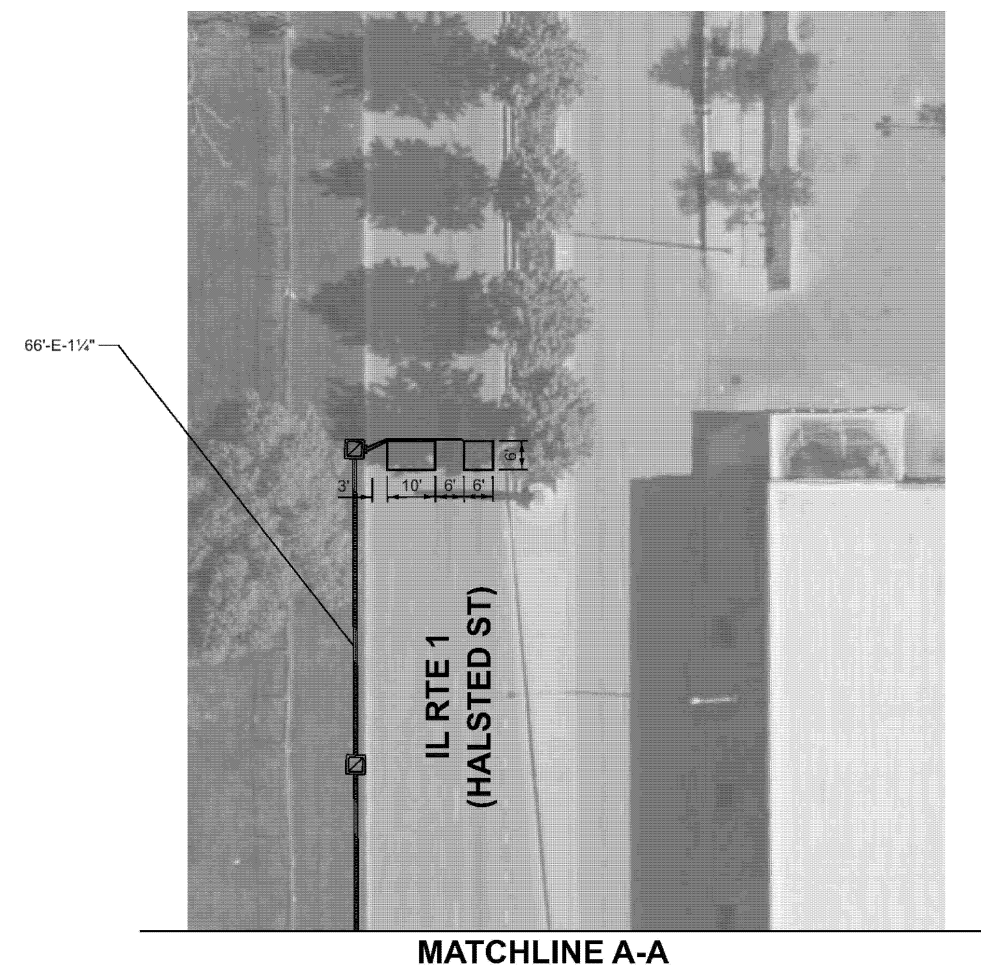
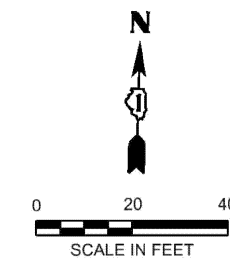
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT  
127TH ST AND IL RTE 1 (HALSTED ST) - SHEET 1 OF 2**

SCALE: SHEET A014 OF 17 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	44
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

**TS 1790**



MODEL: APS 15 (Sheet)  
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TS 1790

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

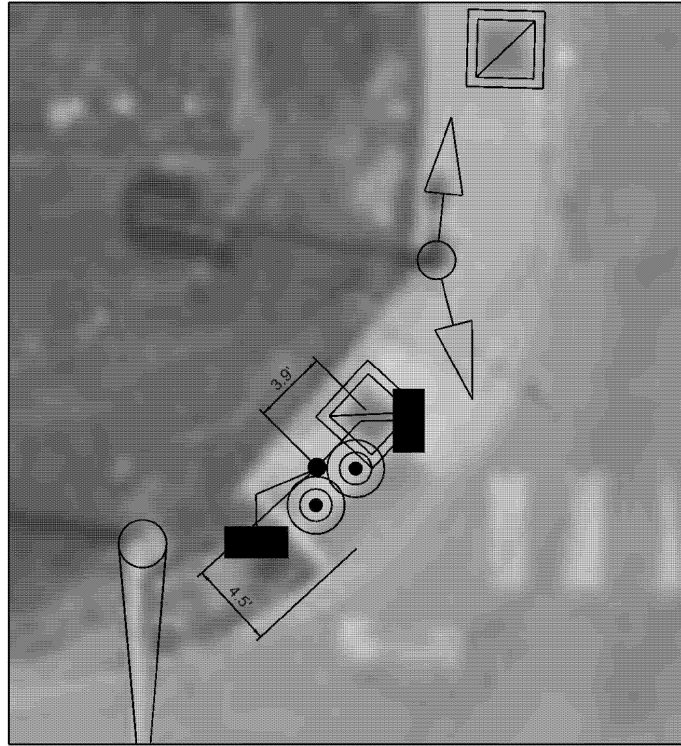
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT  
 127TH ST AND IL RTE 1 (HALSTED ST) - SHEET 2 OF 2**

SCALE: SHEET A015 OF 17 SHEETS STA. TO STA.

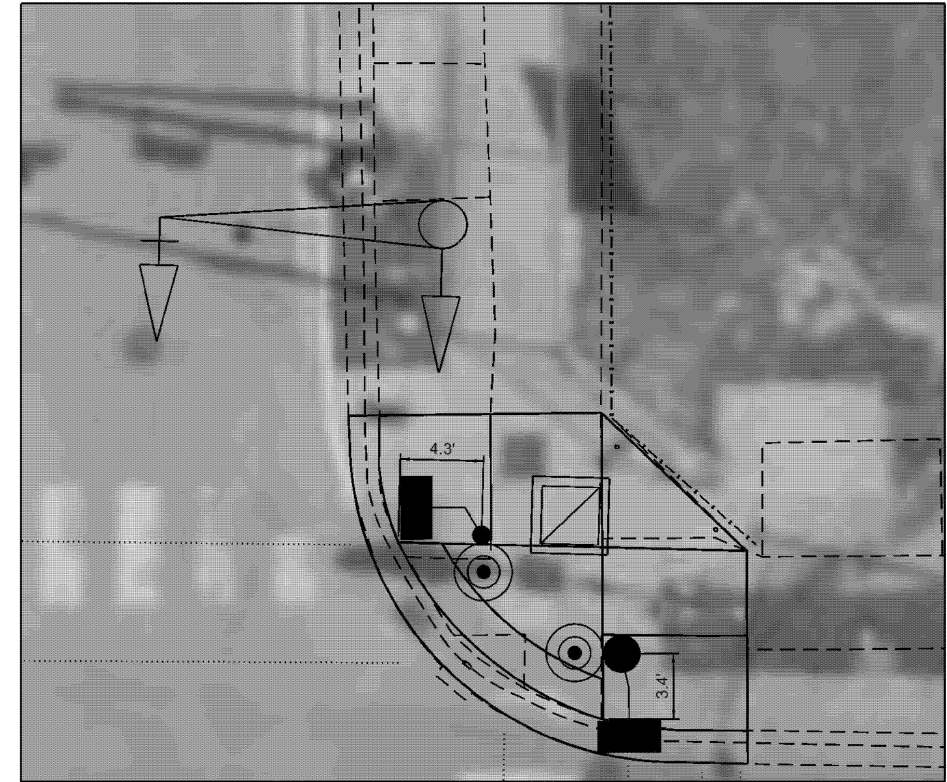
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	45
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

NOTE:  
BUREAU OF DESIGN FIELD CHECK DETERMINED THIS QUADRANT IS  
PROWAG COMPLIANT. NO SURVEY WAS OBTAINED TO VERIFY  
EXISTING SLOPES. EXISTING CURB RAMP TO REMAIN AS IS.

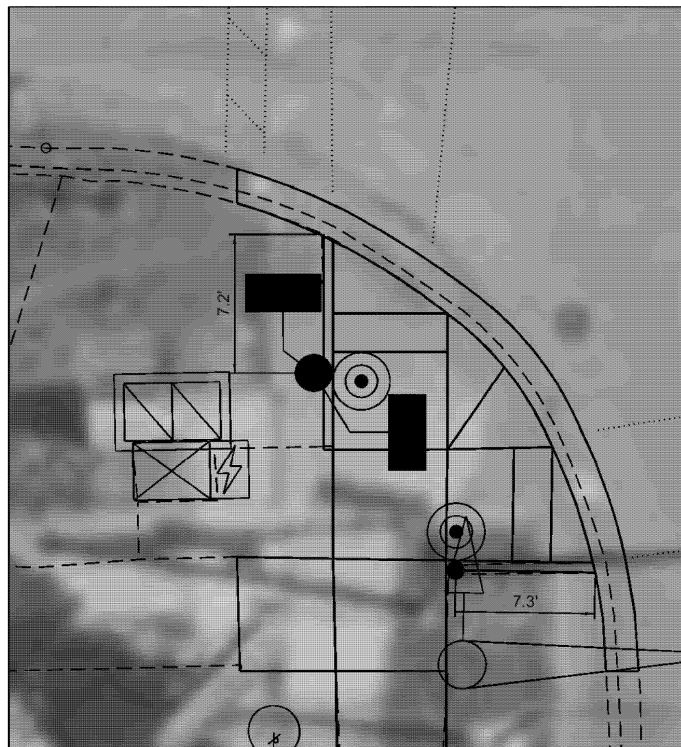


127TH ST

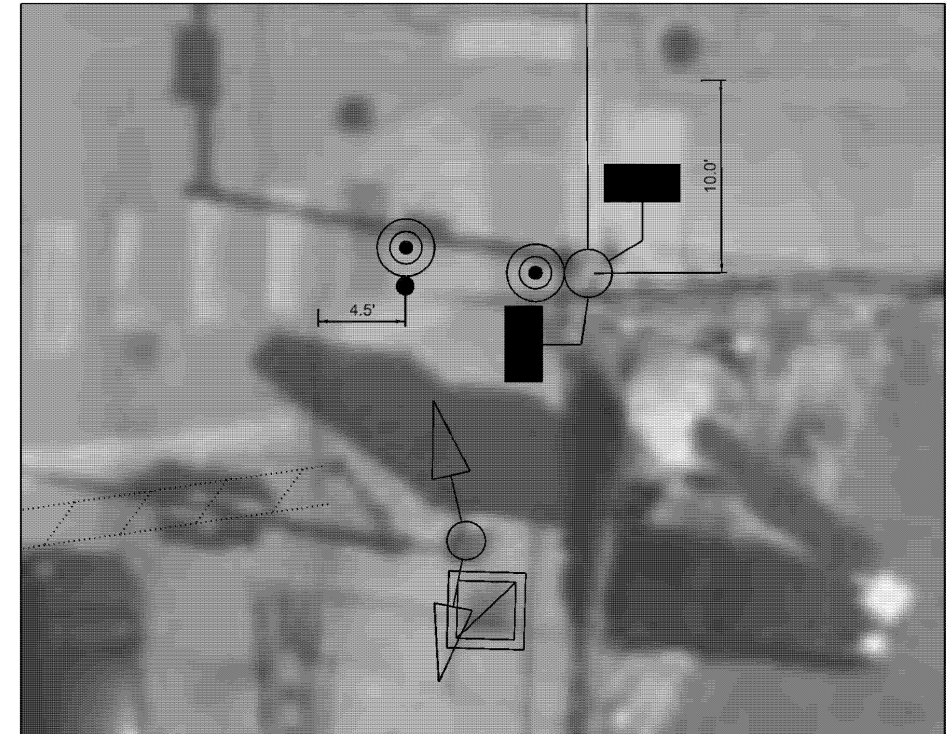
IL RTE 1  
(HALSTED ST)



127TH ST



IL RTE 1  
(HALSTED ST)



NOTE:  
BUREAU OF DESIGN FIELD CHECK DETERMINED THIS QUADRANT IS  
PROWAG COMPLIANT. NO SURVEY WAS OBTAINED TO VERIFY  
EXISTING SLOPES. EXISTING CURB RAMP TO REMAIN AS IS.

MODEL: APS 16 (Sheet)  
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	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

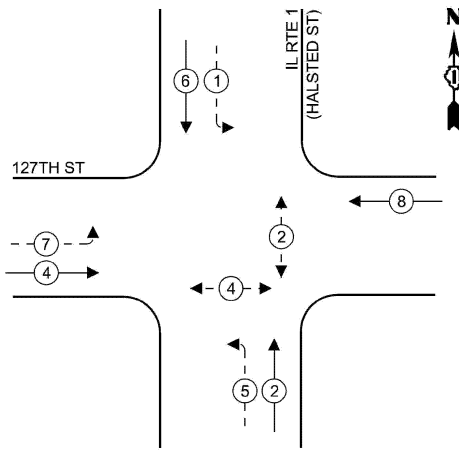
SCALE:		SHEET A016	OF 17	SHEETS	STA.	TO STA.
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APS PLACEMENT DETAILS  
127TH ST AND IL RTE 1 (HALSTED ST)

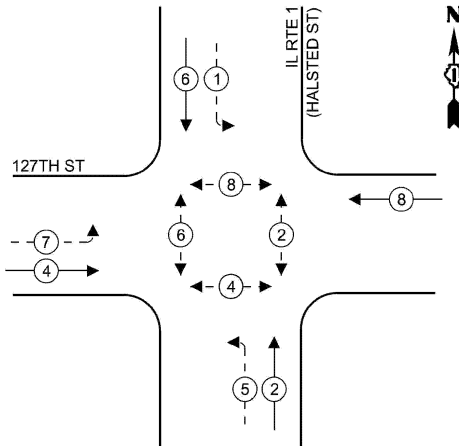
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	46
CONTRACT NO. 80B26				
ILLINOIS   FED. AID PROJECT				

TS 1790

**EXISTING  
CONTROLLER SEQUENCE**

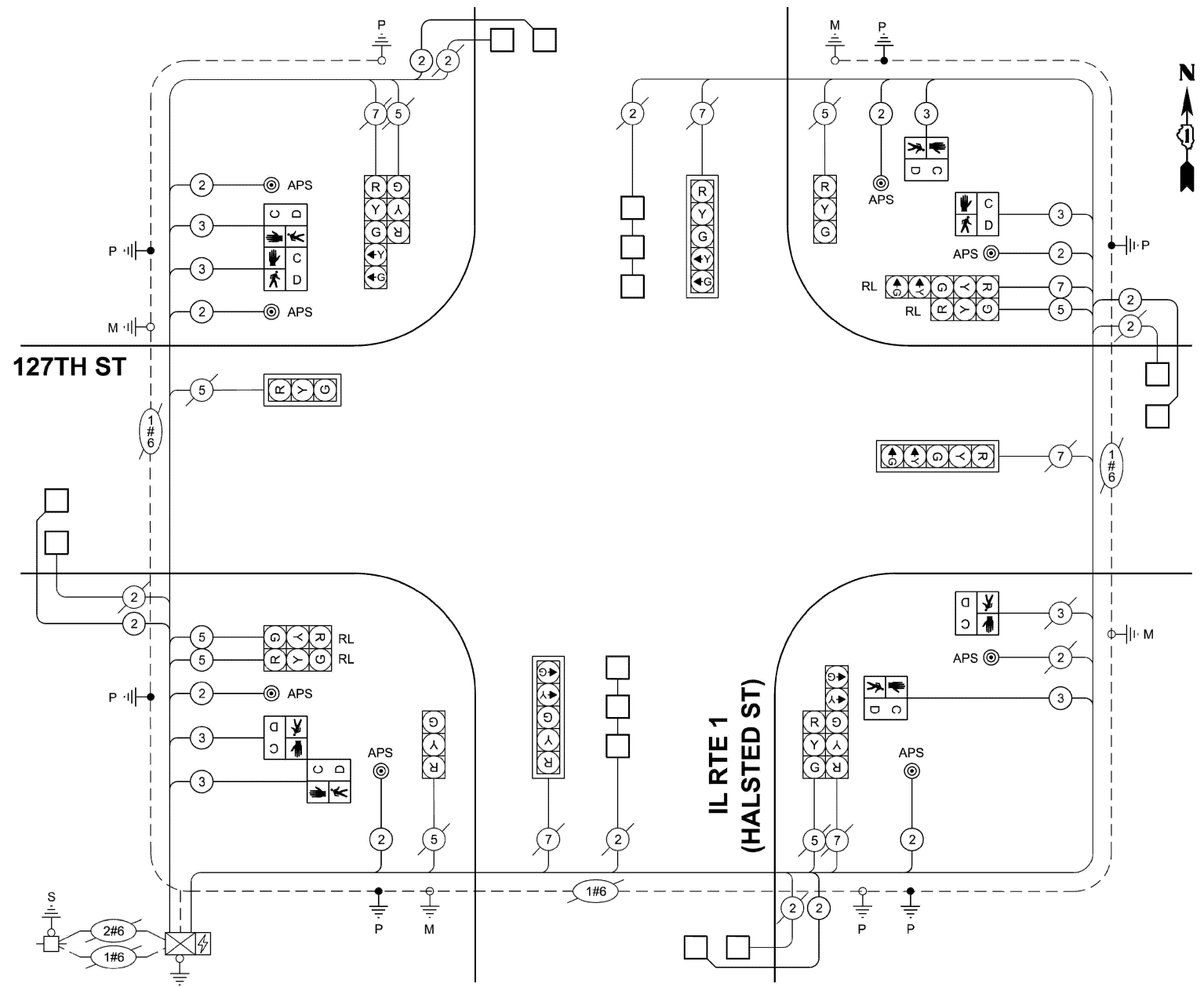


**PROPOSED  
CONTROLLER SEQUENCE**



**LEGEND**

- ← ⊙ — PROTECTED PHASE
- ← ⊙ — PROTECTED/PERMITTED PHASE
- ← ⊙ — PEDESTRIAN PHASE
- ← ⊙ — OVERLAP



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: NEW BUSINESS DEPT.  
PHONE: (866)-639-3532  
COMPANY: COMED  
ACCOUNT NUMBER: 82428-93000  
METER NUMBER:

**TRAFFIC SIGNAL ELECTRICAL  
SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			461
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			1066

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	44
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	16
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1005
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1035
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	355
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	260
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	1545
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	140
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIME	EACH	8

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	528
RELOCATE EXISTING SIGNAL HEAD	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1465
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

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PLOT DATE = 12/8/2025	DATE -	REVISED -

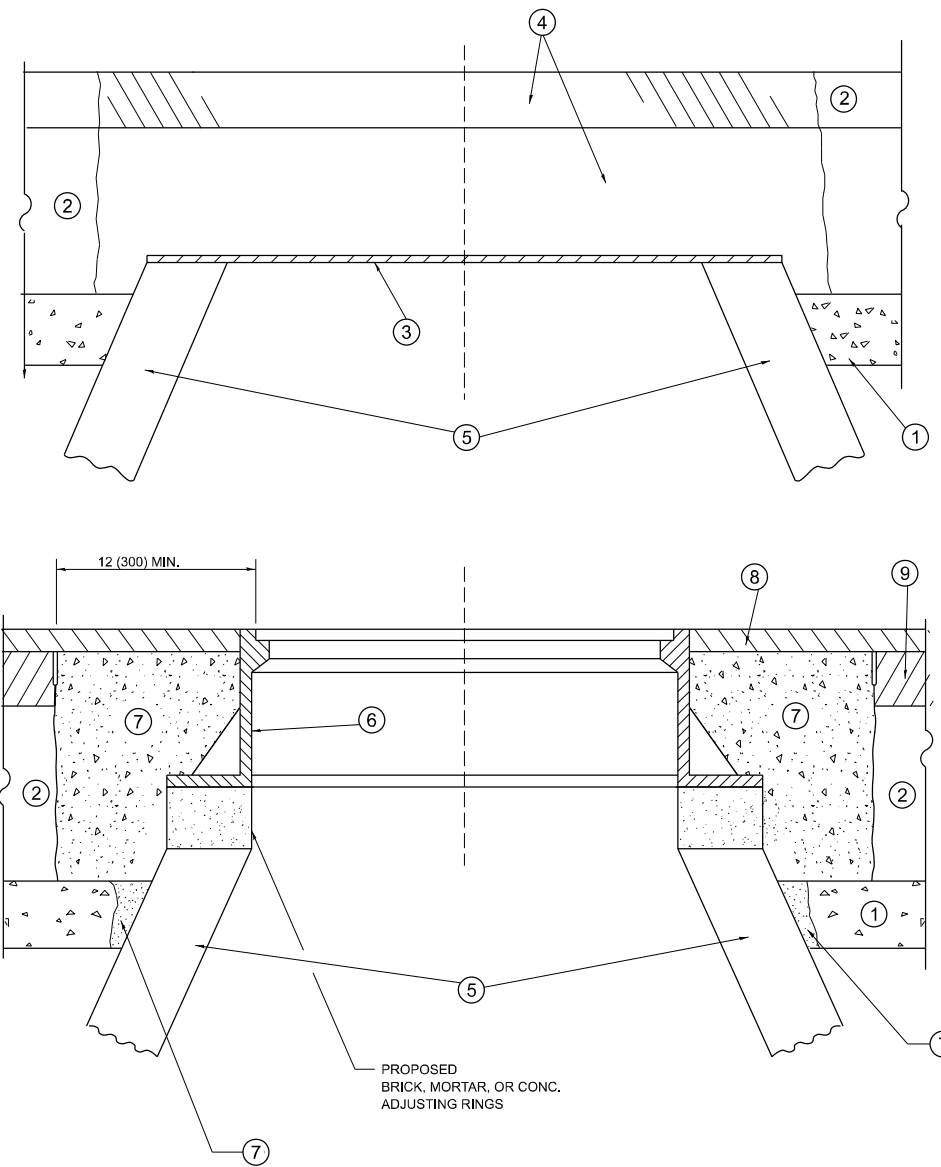
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM  
AND SCHEDULE OF QUANTITIES  
127TH ST AND IL RTE 1 (HALSTED ST)**

SCALE: SHEET A017 OF 17 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	47
CONTRACT NO. 80B26				
ILLINOIS FED. AID PROJECT				

**TS 1790**



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

**NOTES**

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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

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

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: BD09 (Sheet)  
FILE NAME: c:\pwworking\hassan\mid123555\18825-shd-Dist\Sheet.dgn

USER NAME = naveed.hassan	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 12/8/2025	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET #001 OF 21 SHEETS STA. TO STA.

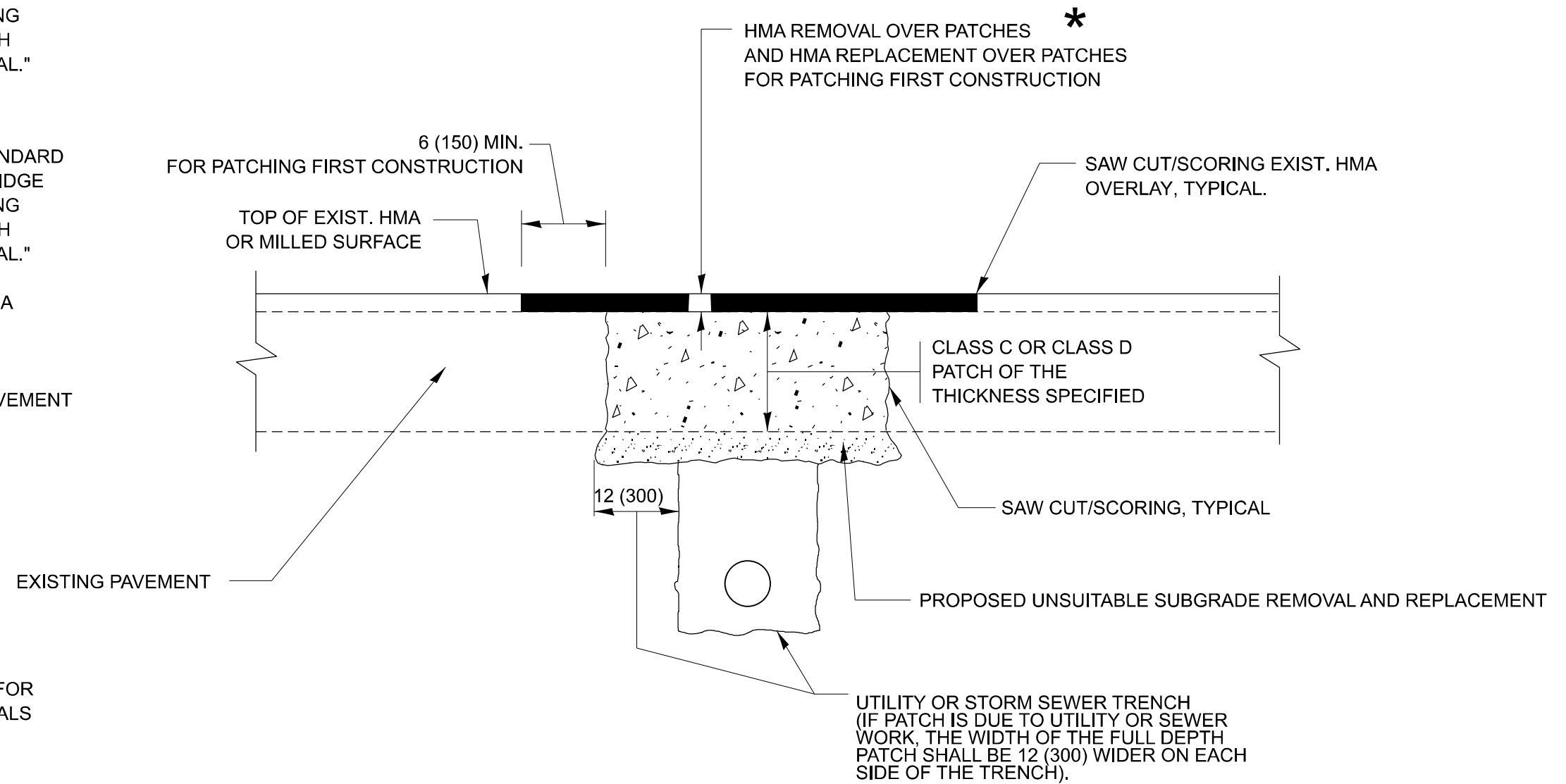
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	48
BD600-03 (BD-08)			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				

## 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.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

## 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 4 ½ 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.

MODEL: B-22 (Sheet)  
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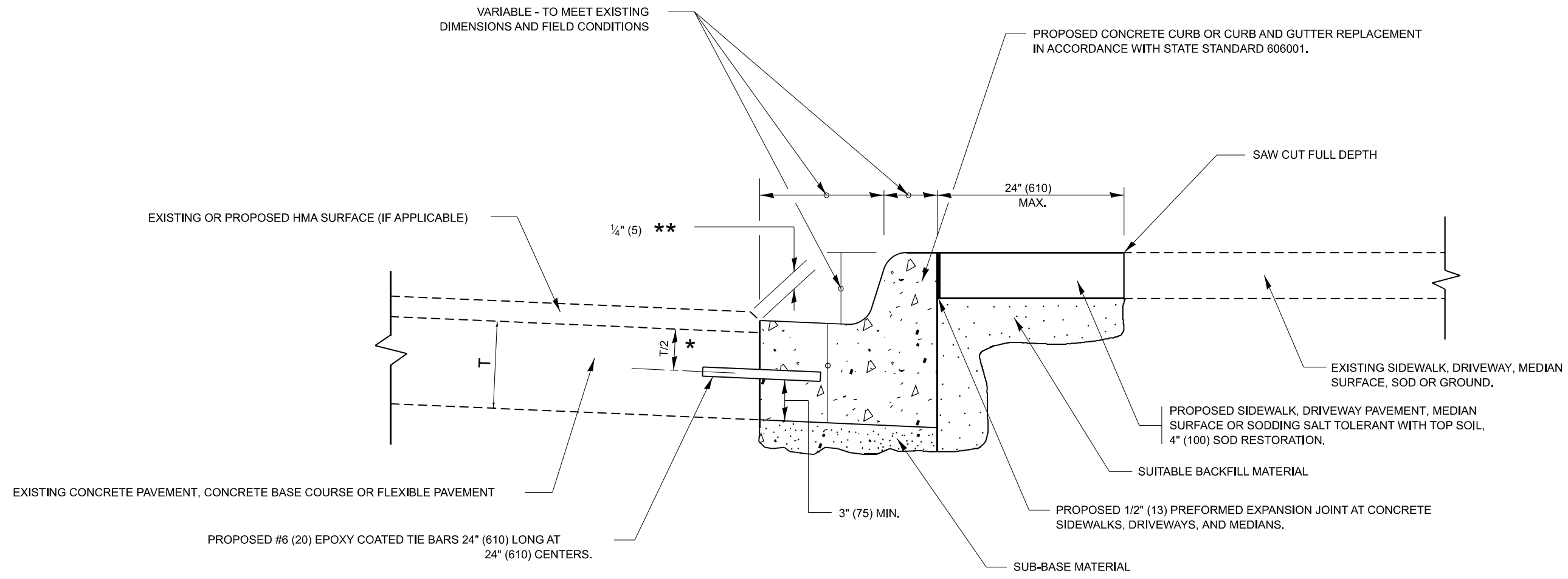
USER NAME = naveed.hassan	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 12/8/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

SCALE: NONE SHEET A002 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	49
BD400-04 (BD-22)			CONTRACT NO. 80B26	
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.

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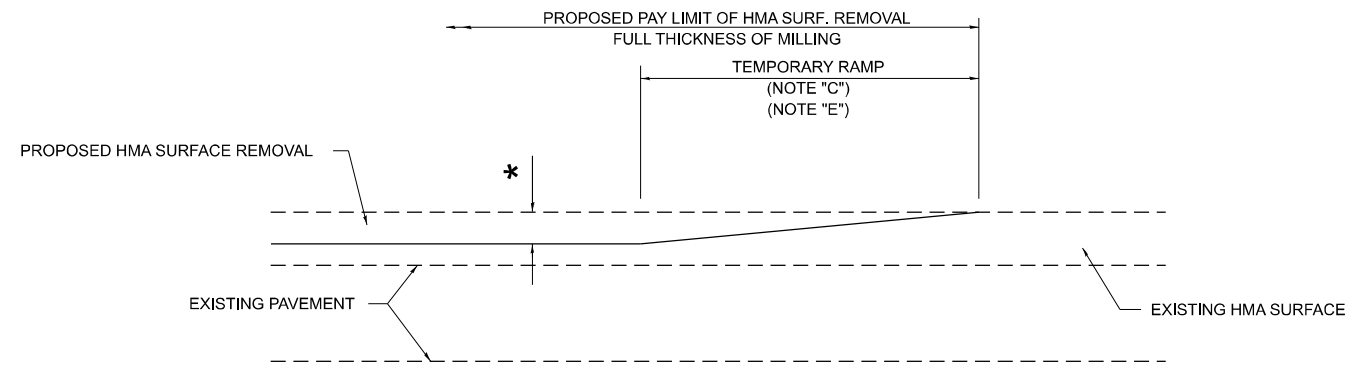
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 12/8/2025	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

SCALE: NONE    SHEET #003 OF 21 SHEETS    STA.    TO STA.

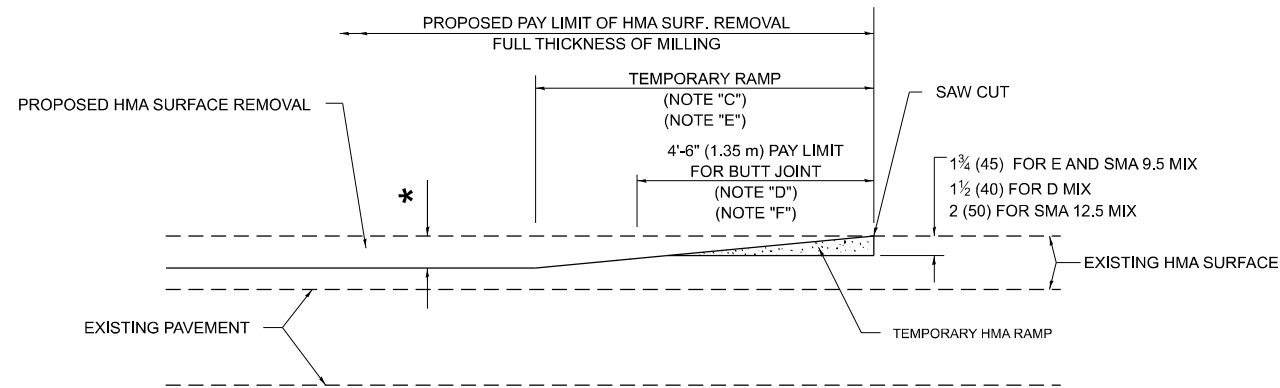
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	50
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

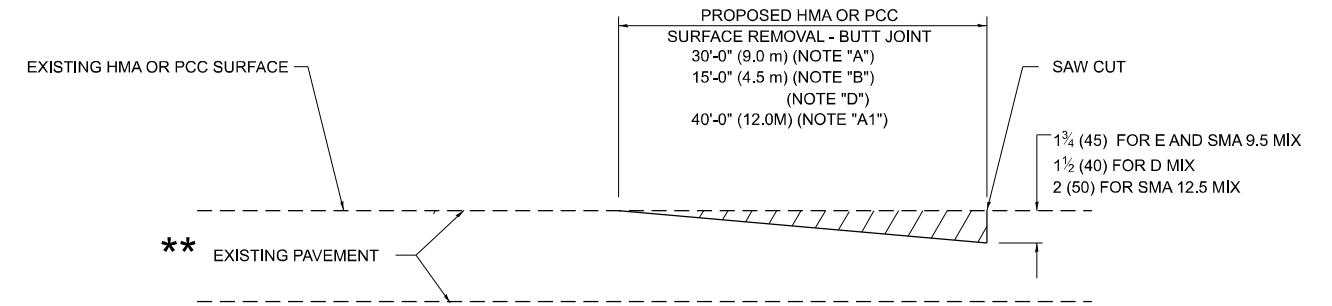


**HMA CONSTRUCTED TEMPORARY RAMP**

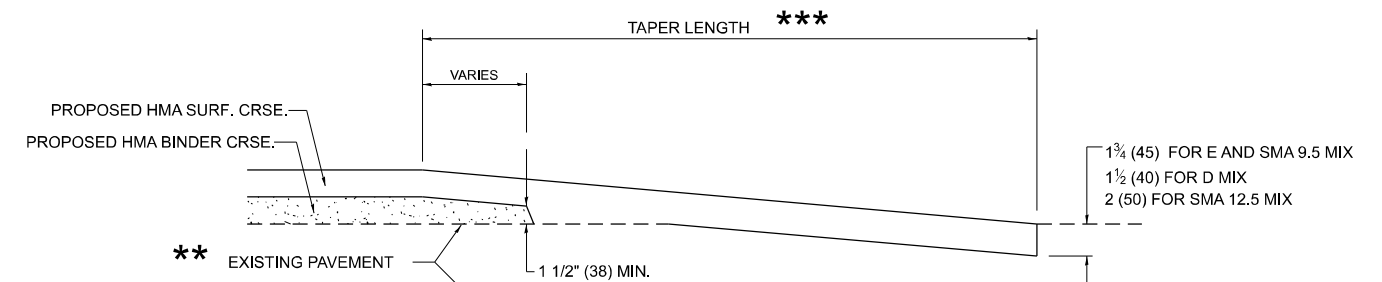
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

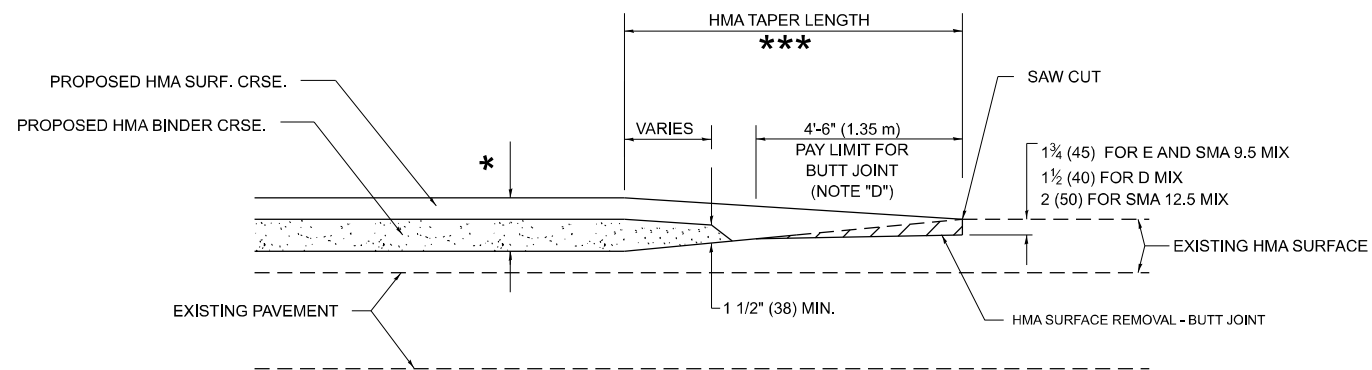
**GENERAL NOTES**

- 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.



**BUTT JOINT AND HMA TAPER**

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

MODEL: BD-32 (Sheet)  
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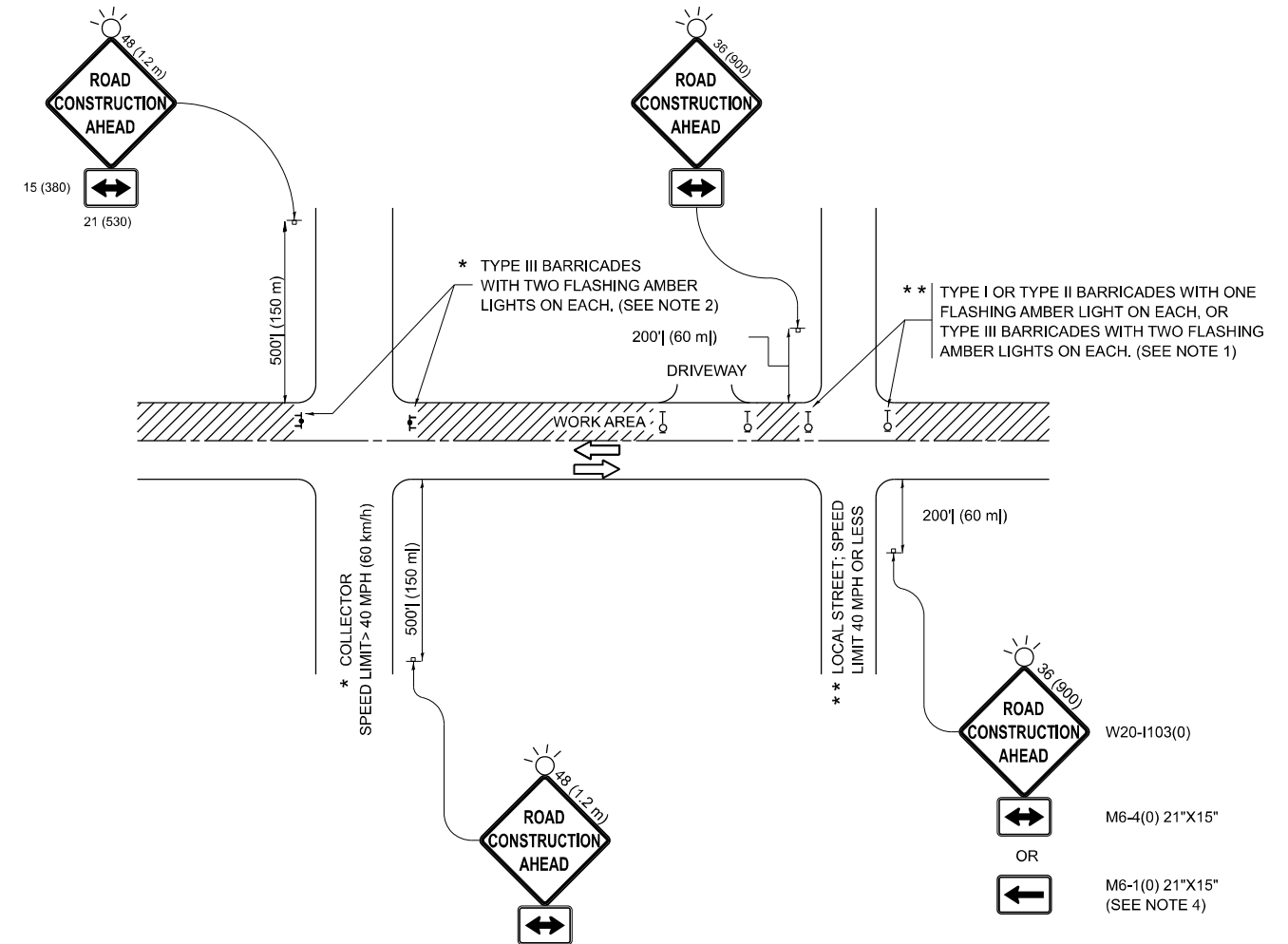
USER NAME = naveed,hassan	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 12/8/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND HMA TAPER DETAILS**

SCALE: NONE SHEET #004 OF 21 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	51
<b>BD400-05 BD-32</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) 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.
  - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) 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.
  - b) 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.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: TC-10 (Sheet)  
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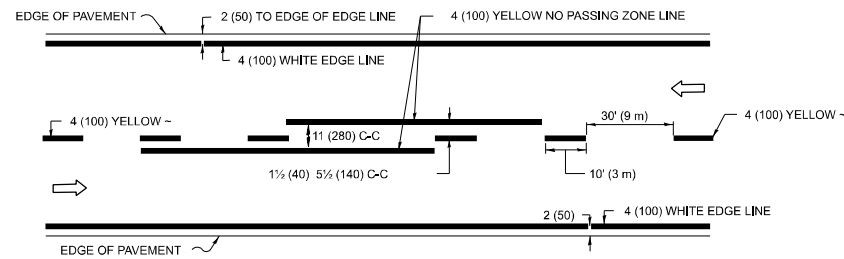
USER NAME = naveed.hassan	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 12/8/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

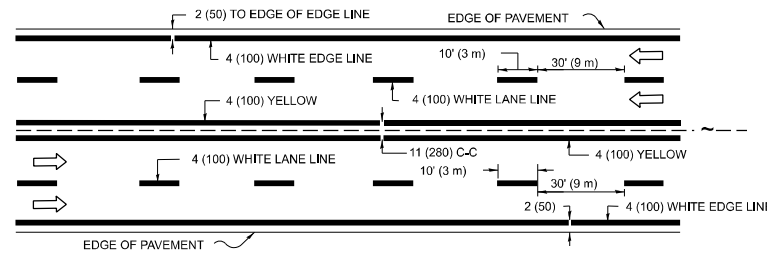
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: SHEET A005 OF 21 SHEETS STA. TO STA.

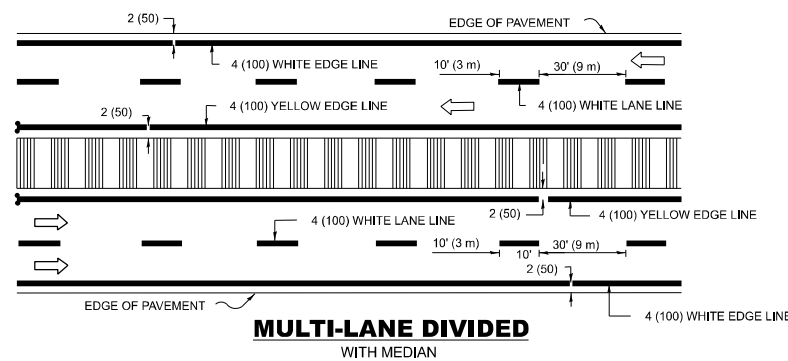
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	52
<b>TC-10</b>			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

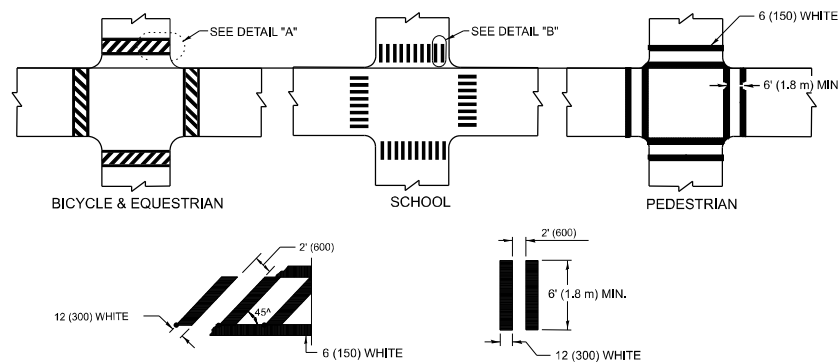


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

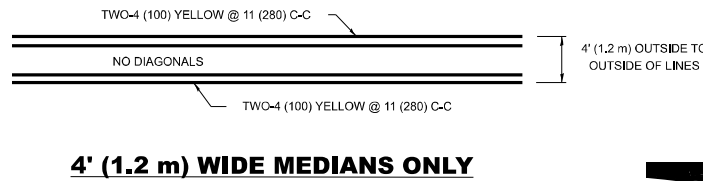


**DETAIL "A"**

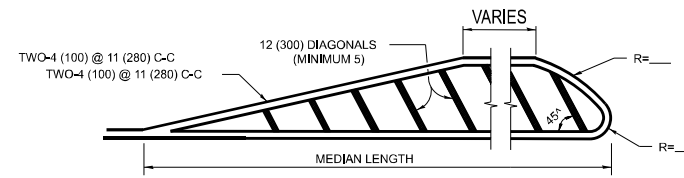
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

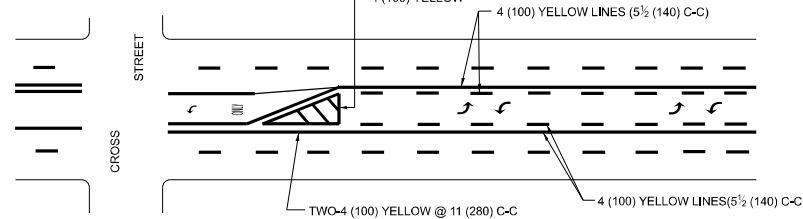


**4' (1.2 m) WIDE MEDIANS ONLY**



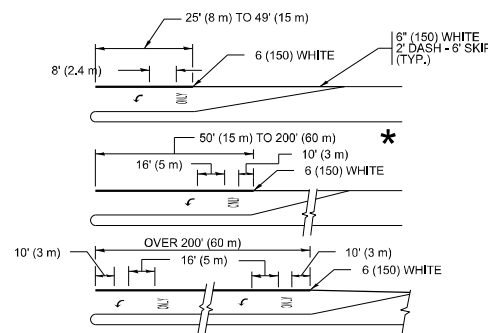
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



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

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

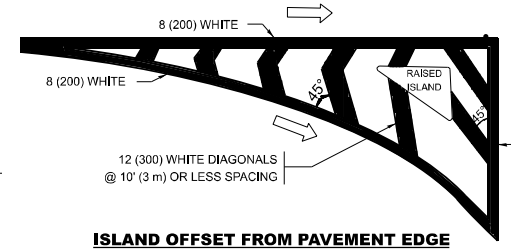


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

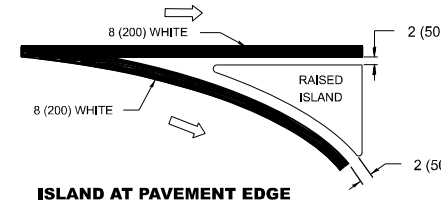
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**



**ISLAND OFFSET FROM PAVEMENT EDGE**

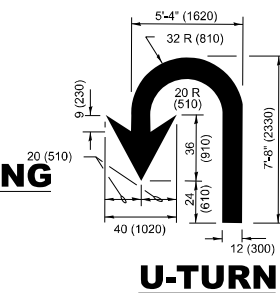


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**

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

**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.

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. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (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" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (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.

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USER NAME = naveed.hassan	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED - C. JUCIUS 04-12-16	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 12/8/2025	DATE = 03-19-90	

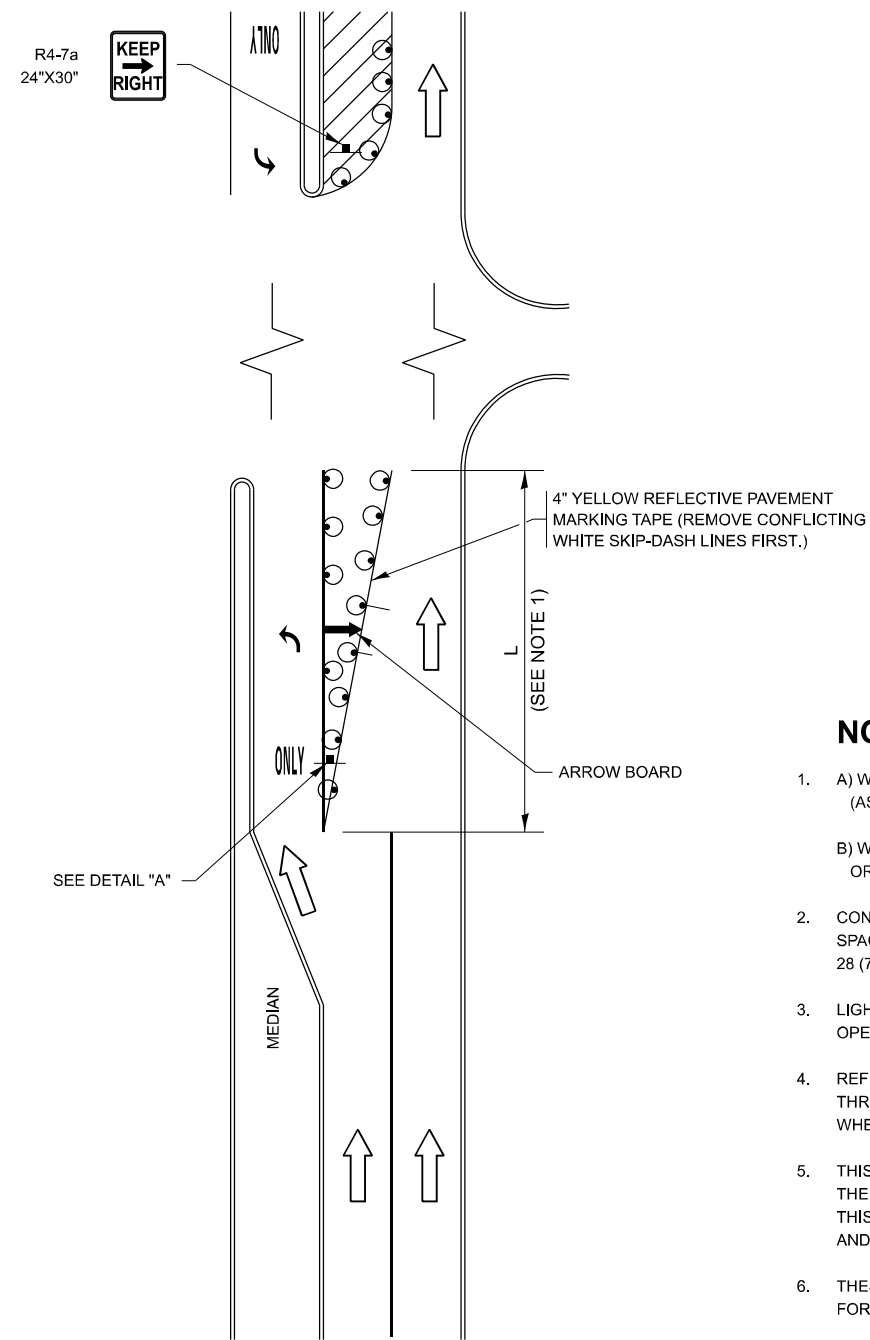
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET A006 OF 21 SHEETS STA. TO STA.

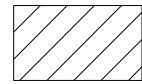



F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	53
<b>TC-13</b>		CONTRACT NO. 80B26		
ILLINOIS		FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

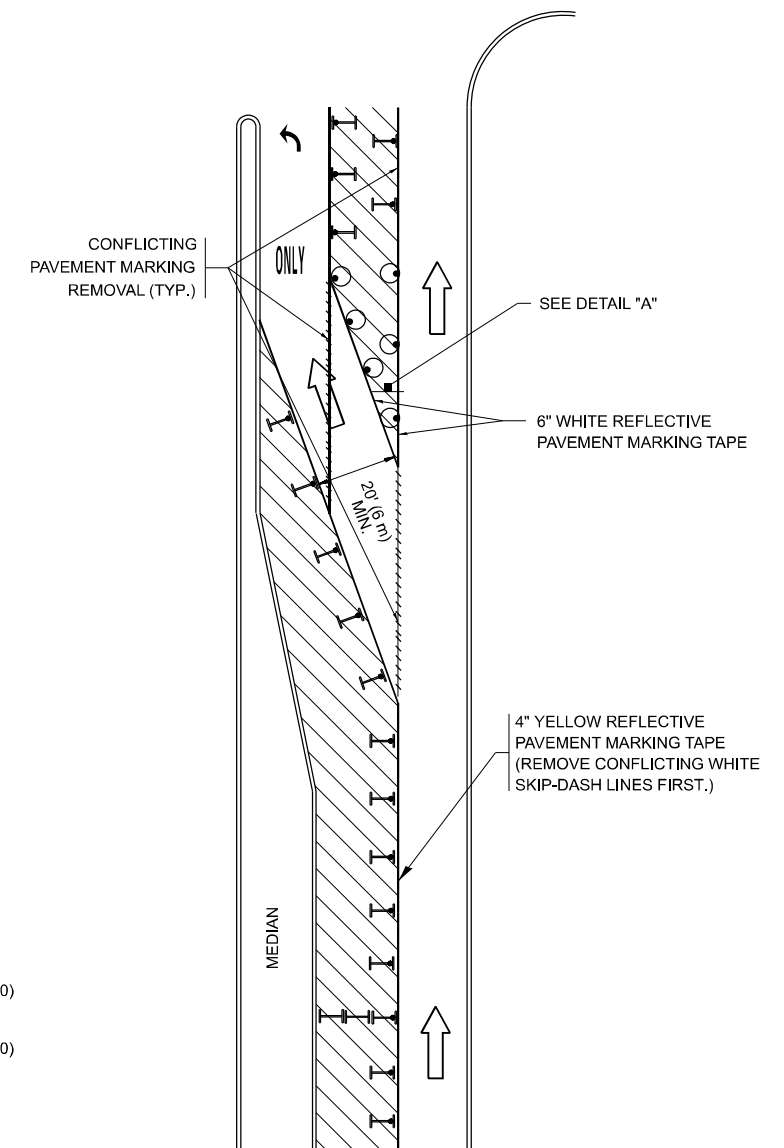
## LEGEND

-  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

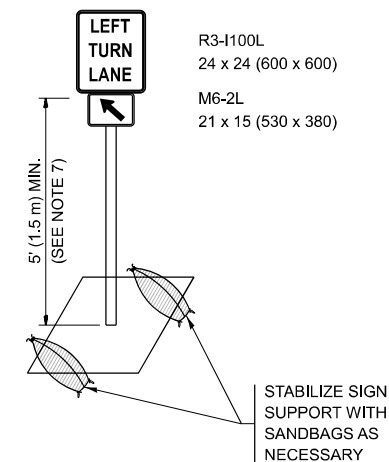
### NOTES:

1. 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.
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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. 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.
5. 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" R3-100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. 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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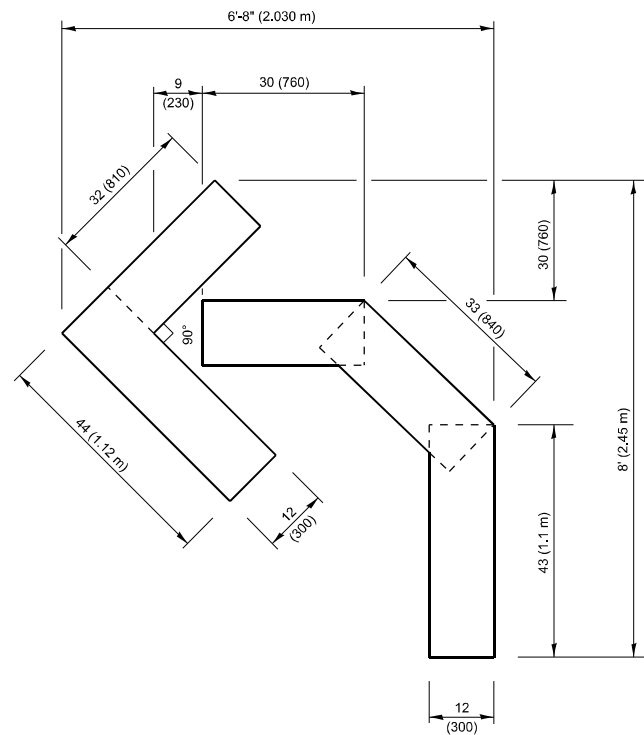
USER NAME = naveed.hassan	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/8/2025	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

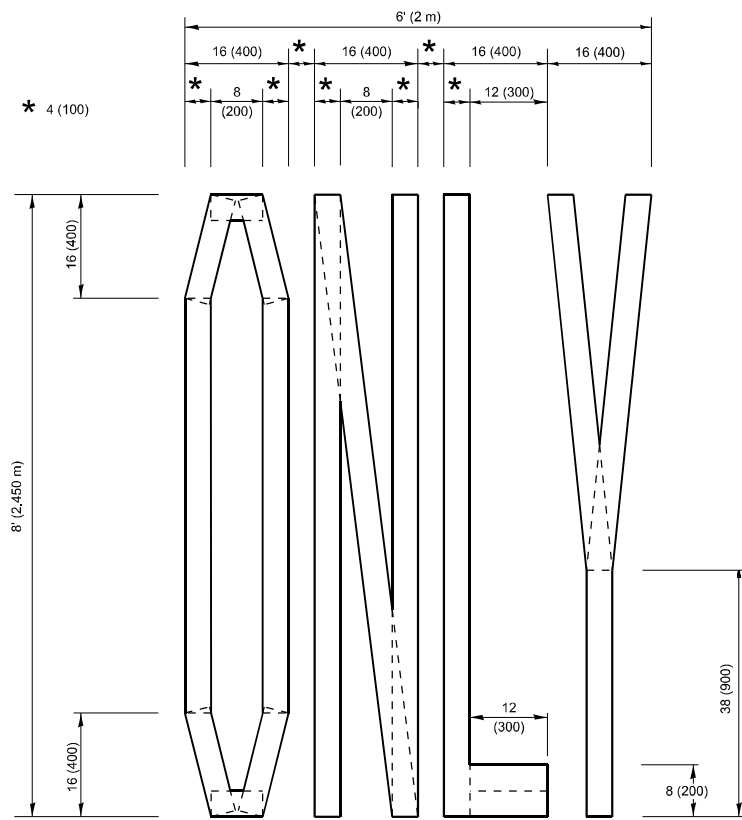
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE SHEET A007 OF 21 SHEETS STA. TO STA.

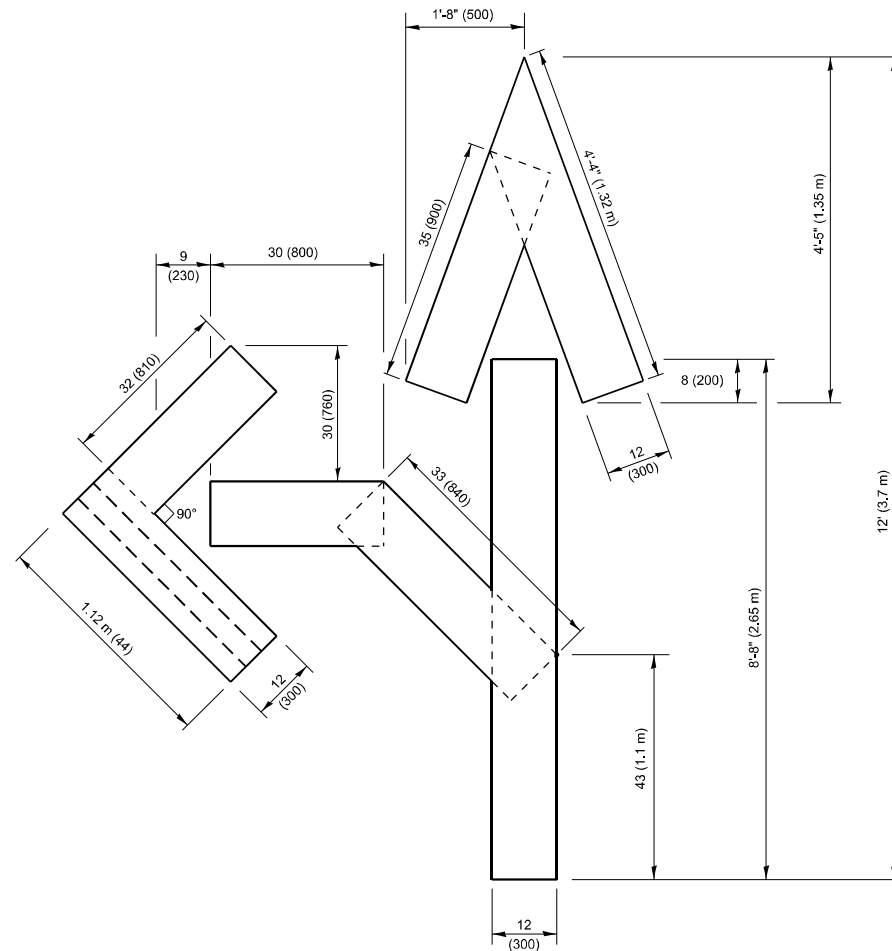
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	54
<b>TC-14</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				



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



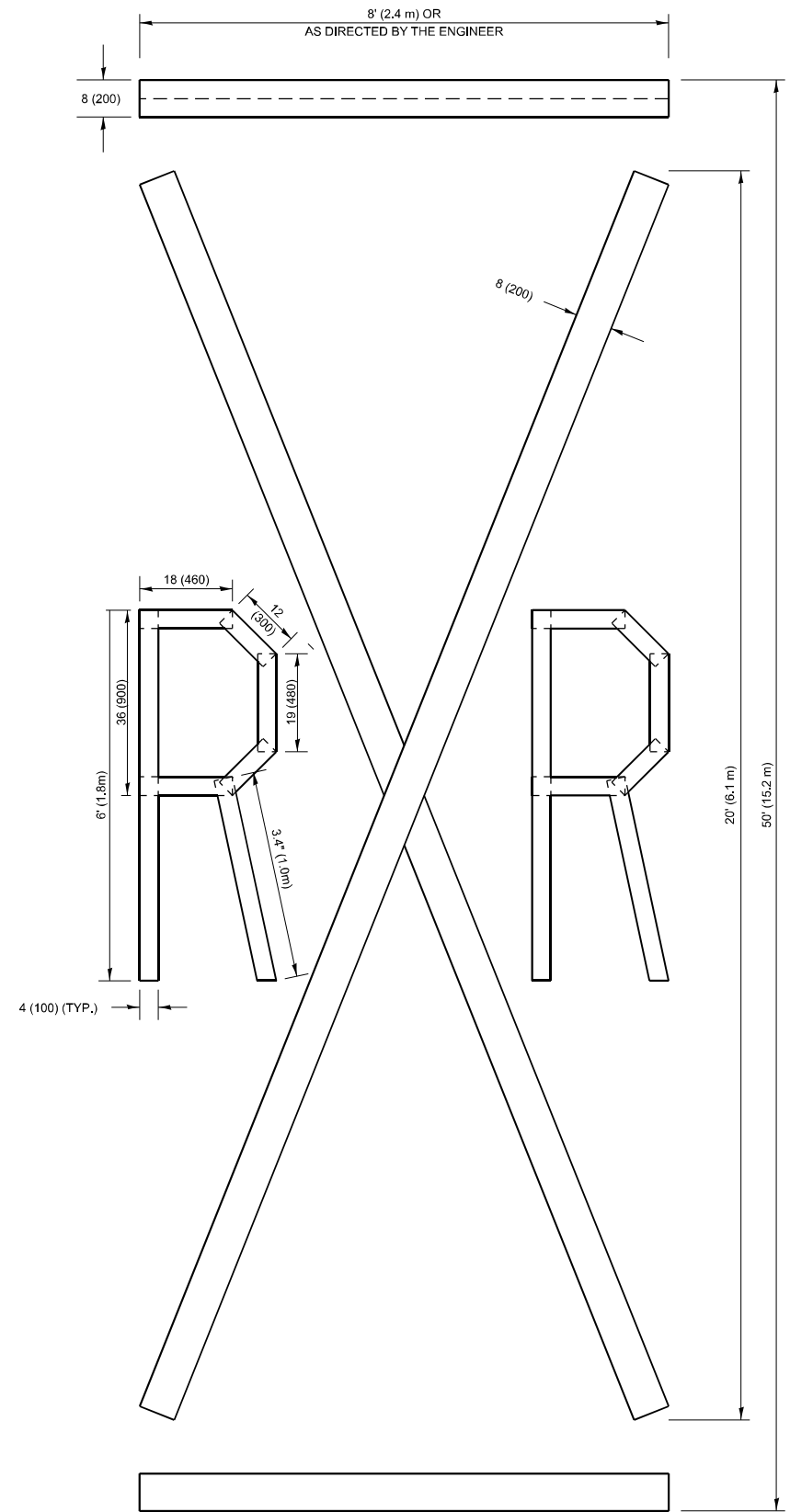
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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.

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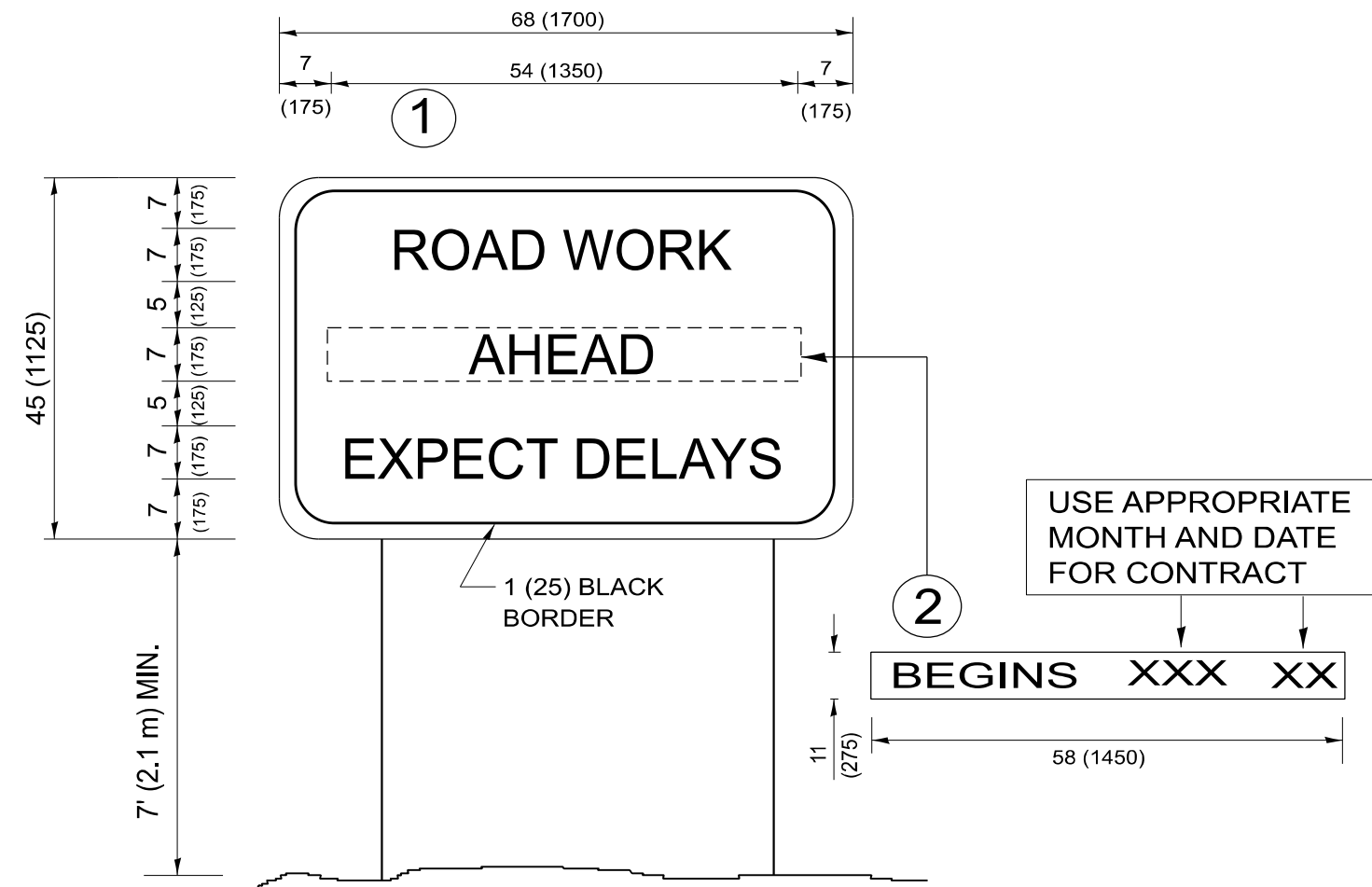
USER NAME = naveed,hassan	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/8/2025	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
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**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE SHEET #008 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	55
<b>TC-16</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: TC-22 (Sheet)  
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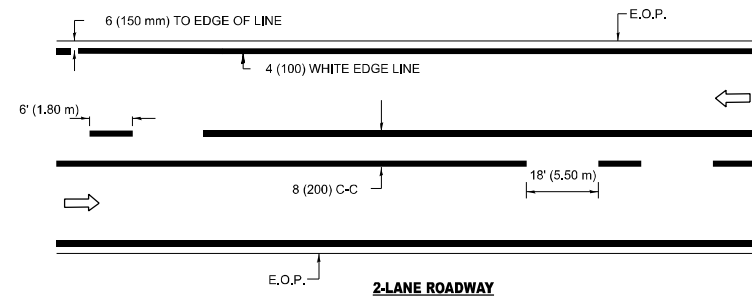
USER NAME = naveed,hassan	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 12/8/2025	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

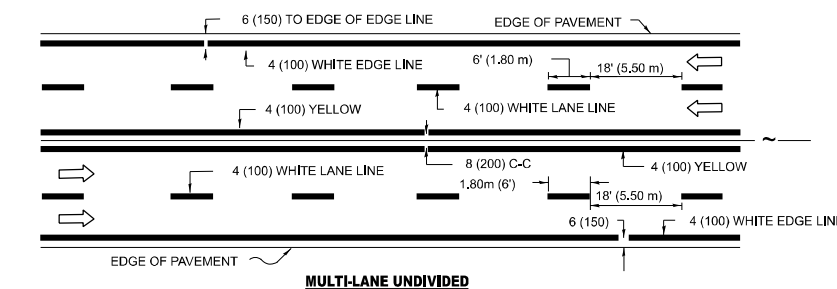
**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET A009 OF 1 SHEETS STA. TO STA.

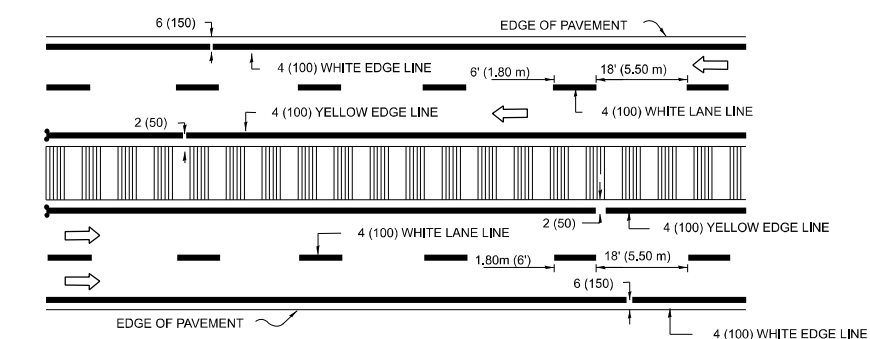
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344A	2025-2007-RS	COOK	68	56
<b>TC-22</b>			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**



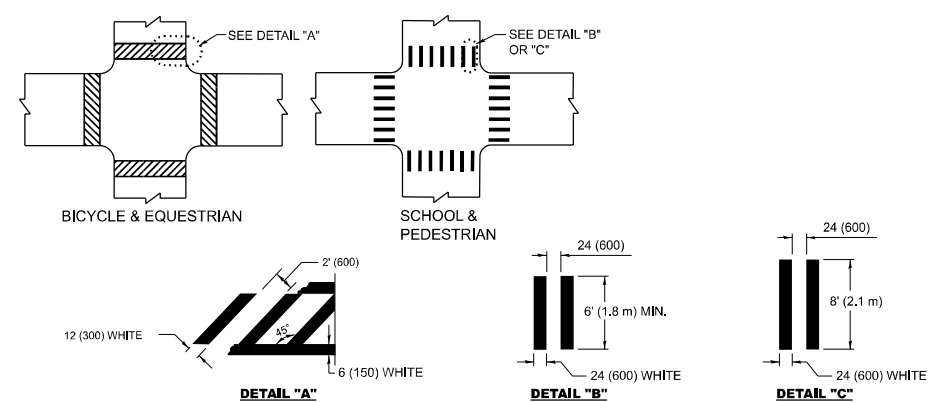
**MULTI-LANE UNDIVIDED**



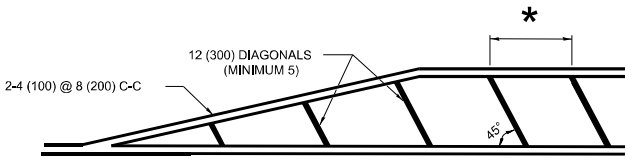
**MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN**

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

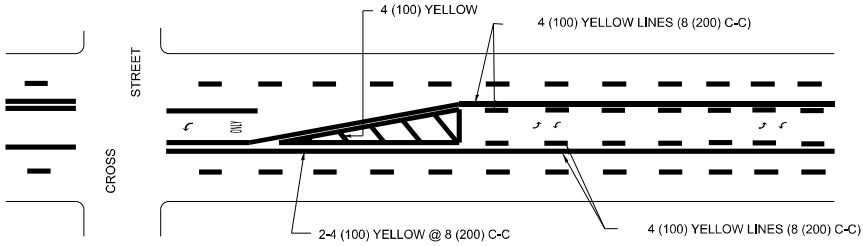


**TYPICAL CROSSWALK MARKING**

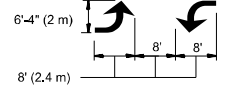


- \* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
- \* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

**PAINTED MEDIANS**

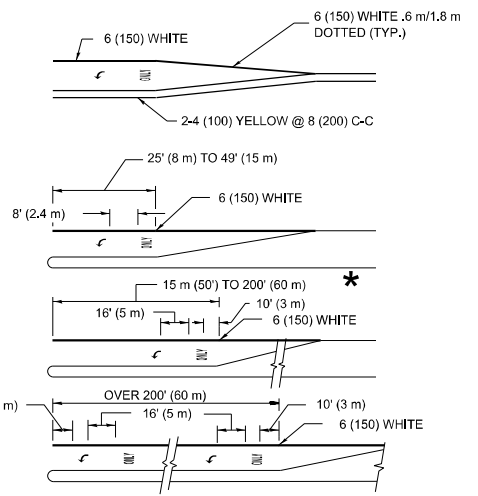


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

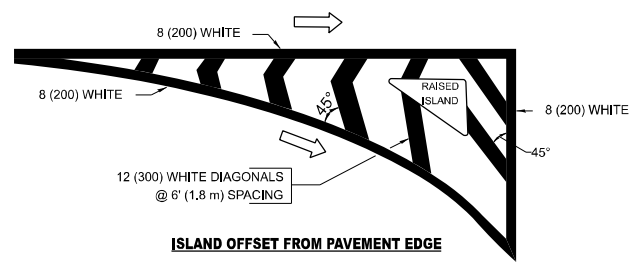


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.8 SQ. FT. (1.47 m<sup>2</sup>) ONLY AREA = 22.9 SQ. FT. (2.13 m<sup>2</sup>) ONLY

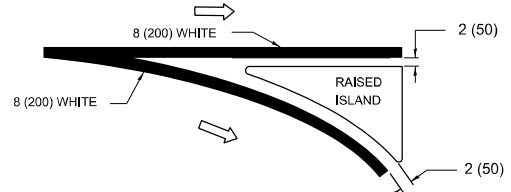
- \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**



**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

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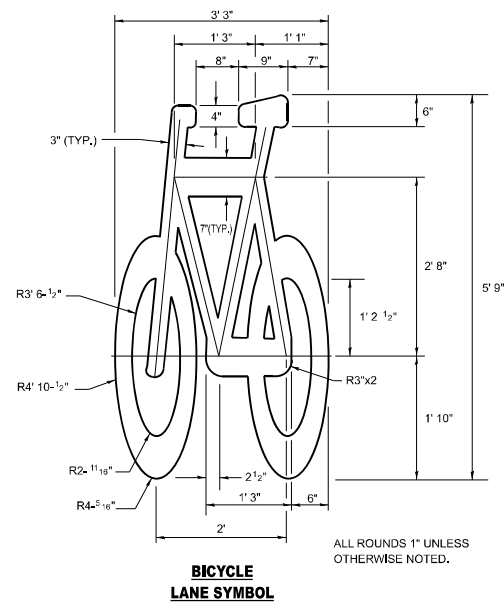
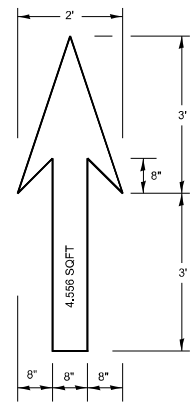
USER NAME = naveed.hassan	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
	DRAWN -	REVISED - K. ENG 02-28-12
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
 TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1010 OF 31 SHEETS STA. TO STA.

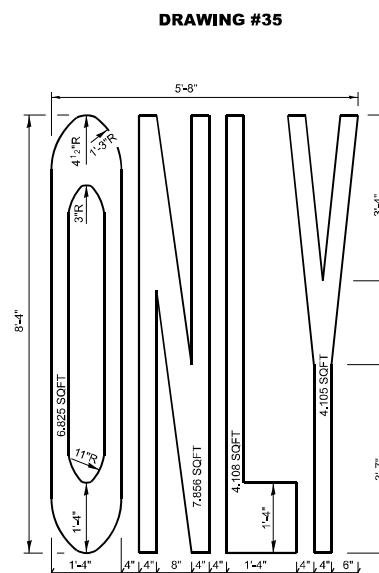
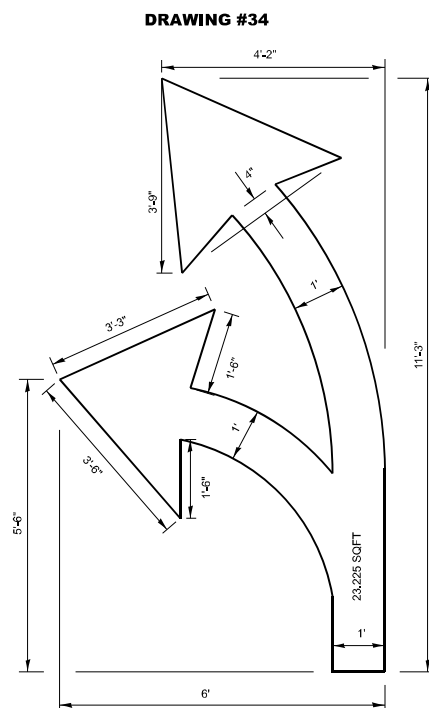
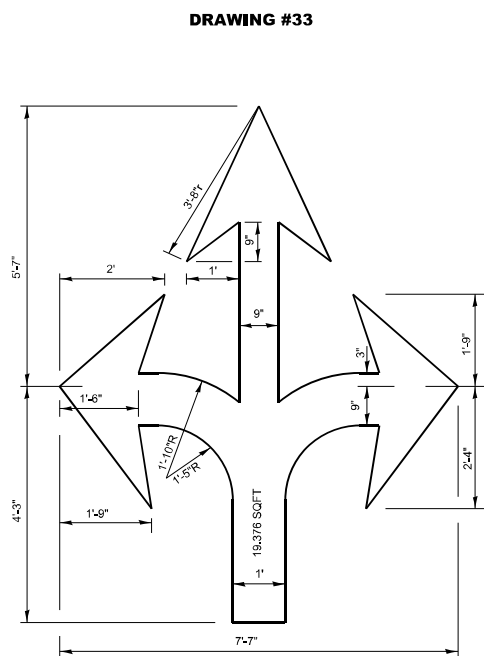
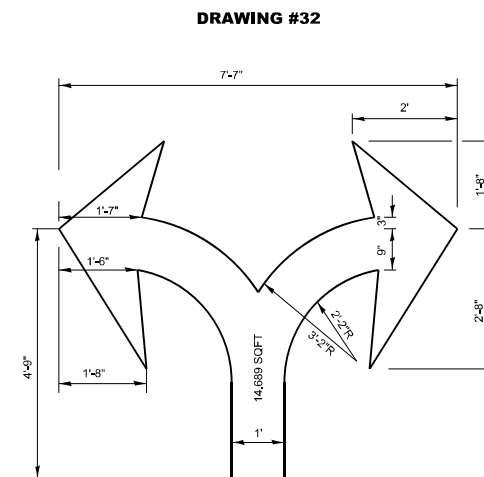
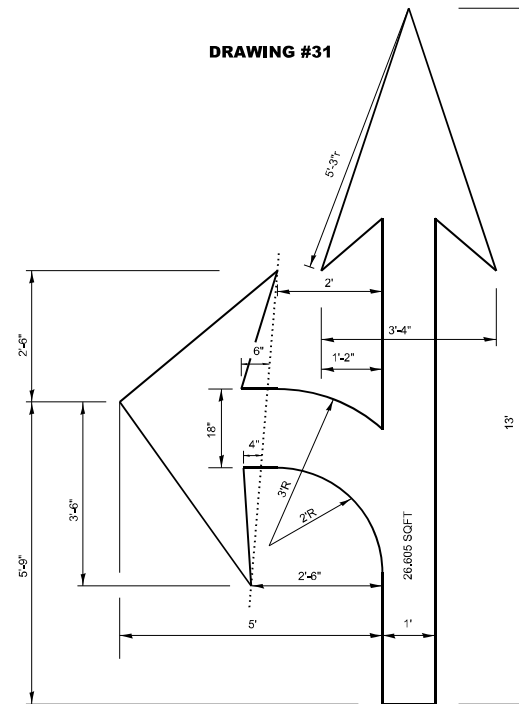
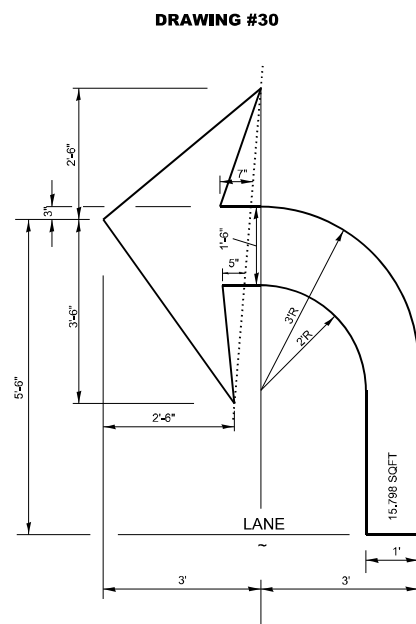
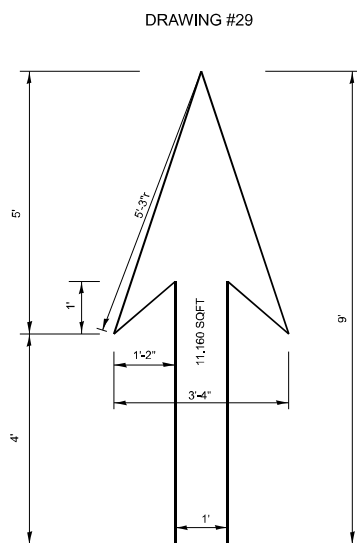
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	57
<b>TC-24</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				



**NOTE:**

1. FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
2. THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

**TYPICAL BIKE LANE SYMBOLS**  
DRAWING #28



**NOTE:**

ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

MODEL: TC-24-2 (Sheet)  
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USER NAME = naveed,hassan	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

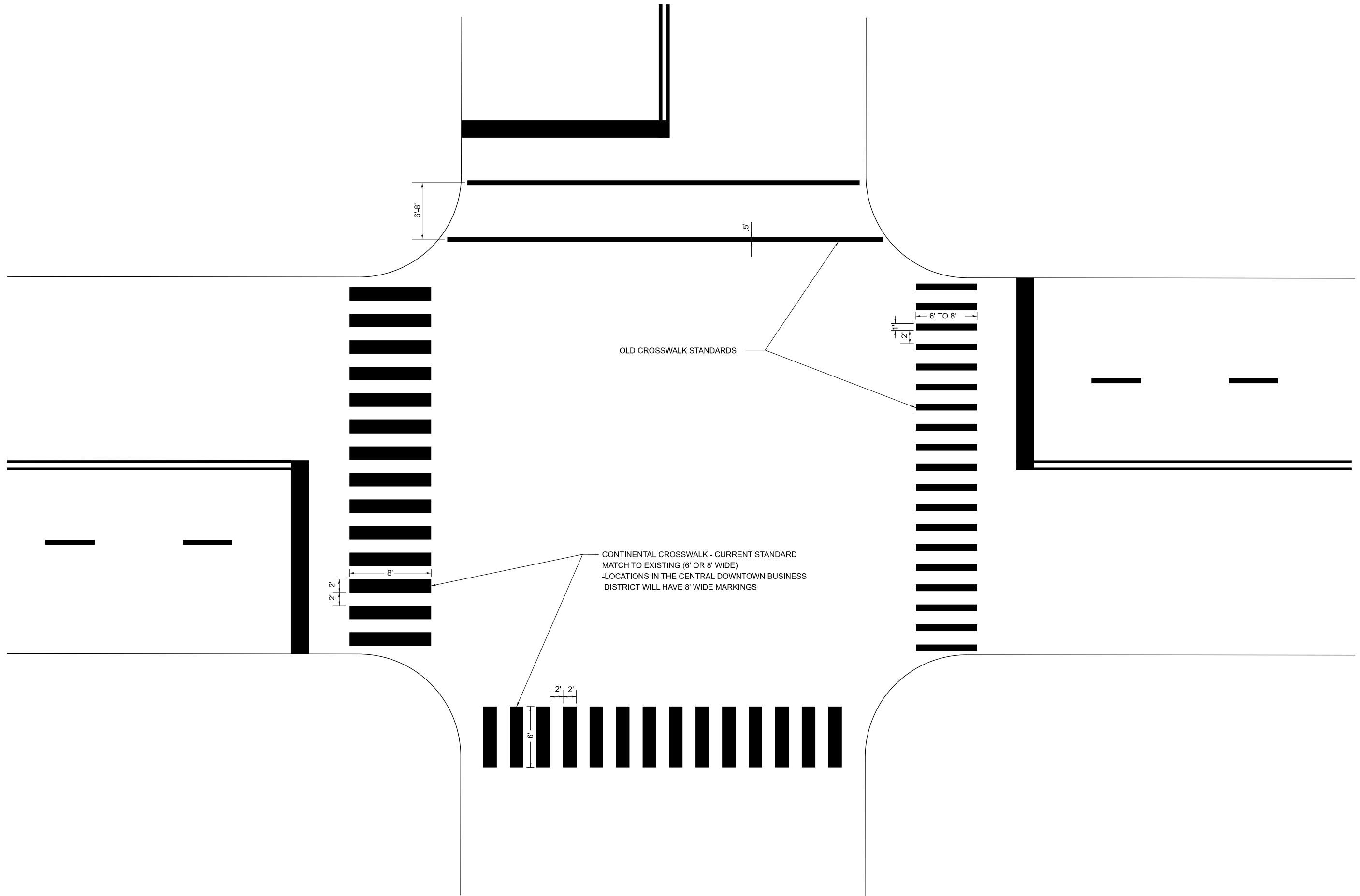
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO**  
**TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET #011 OF 31 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	58
<b>TC-24</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				

MODEL: TC-24-3 [Sheet]  
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CONTINENTAL CROSSWALK - CURRENT STANDARD  
 MATCH TO EXISTING (6' OR 8' WIDE)  
 -LOCATIONS IN THE CENTRAL DOWNTOWN BUSINESS  
 DISTRICT WILL HAVE 8' WIDE MARKINGS

OLD CROSSWALK STANDARDS

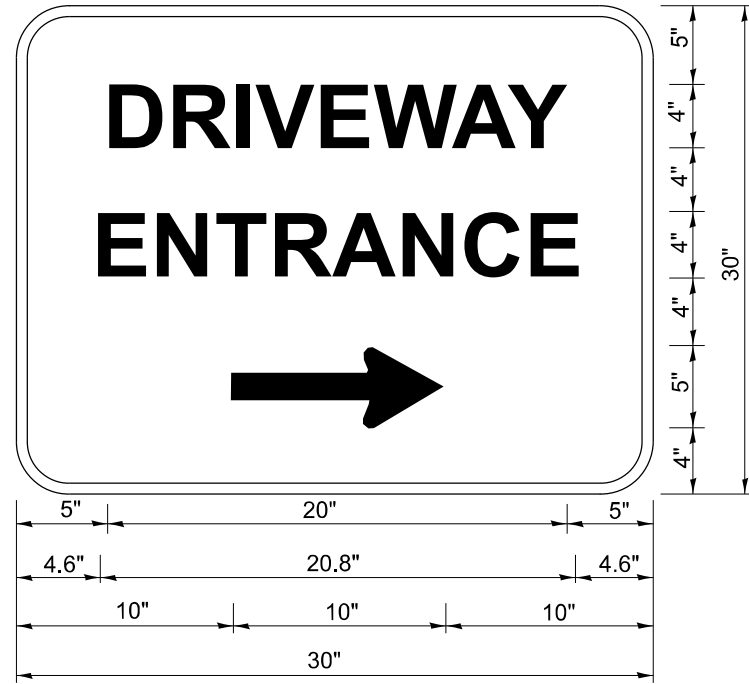
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PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO  
 TYPICAL PAVEMENT MARKINGS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	59
<b>TC-24</b>			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				

SCALE: NONE    SHEET 0012 OF 31 SHEETS    STA.    TO STA.



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\work\pww\hassan\1123555\118925-sih-Dist\Dist.dgn

USER NAME = naveed,hassan	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET A013 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	60
<b>TC-26</b>			CONTRACT NO. 80B26	
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
Traffic Signal Cabinet			Handhole			Signal Head		
Uninterruptable Power Supply			-Square			-(P) Programmable Signal Head		
Communication Cabinet			-Round			-(EV) Elongated Visors		
Master Controller			Double Handhole			Signal Head with Backplate		
Master Master Controller			Heavy Duty Handhole			-(RB) Retroreflective Backplate		
Service Installation			-Square			-(P) Programmable Signal Head		
-(P) Pole Mounted			-Round			-(EV) Elongated Visors		
Service Installation			Junction Box			Pedestrian Signal Head		
-(G) Ground Mounted			Railroad Cantilever Mast Arm			with Countdown Timer		
-(GM) Ground Mounted Metered			Railroad Flashing Signal			Illuminated LED Sign		
Cellular Modem			Railroad Crossing Gate			"NO LEFT TURN"/"NO RIGHT TURN"		
Telephone Connection			Railroad Crossbuck			Electric Cable, Signal, No. 14 -		
Steel Mast Arm Assembly and Pole			Railroad Controller Bungalow			2/C, 3/C, 5/C, 7/C		
Aluminum Mast Arm Assembly and Pole			Underground Conduit (UC), Galvanized Steel			Electric Cable, Lead-In, No. 14, 1 Pair		
Steel Combination Mast Arm Assembly and Pole with Luminaire			Temporary Span Wire, Tether Wire, and Cable			Service Cable, 2/C -		
Signal Post			System Item	S	SP	No. 2, No. 4, No. 6		
-(BM) Barrel Mounted - Temporary			Intersection Item	I	IP	Ground Cable		
Wood Pole			Removal Item		R	No. 6 Solid Copper (Green), 1/C		
Guy Wire			Relocate Item		RL	Electric Cable, Tracer, No. 14, 1/C		
Signal Head			Abandon Item		A	Railroad No. 14 3/C		
Signal Head with Backplate			Controller Cabinet and Foundation to be Removed		RCF	SOOW		
Signal Head - Programmable			Mast Arm Pole and Foundation to be Removed		RMF	Electric Cable, Street Name Sign No. 14, 3/C, Type SOOW		
Flasher Installation			Signal Post and Foundation to be Removed		RPF	Vendor Cable		
-(FS) Solar Powered			Detector Loop, Type I			Emergency Vehicle Priority Line Sensor Cable, No. 20, 3/C		
Pedestrian Signal Head			Preformed Detector Loop			Outdoor Rated Network Cable		
Pedestrian Push Button			Wireless Detector Sensor			Fiber Optic Cable		
-(APS) Accessible Pedestrian Push Button						-12F: 12 Multimode		
Radar Detection Sensor						-24F: 12 Multimode / 12 Single Mode		
Video Detection Camera						-36F: 12 Multimode / 24 Single Mode		
Radar/Video Detection Zone						-24SM: 24 Single Mode		
Pan, Tilt, Zoom (PTZ) Camera						-48SM: 48 Single Mode		
Emergency Vehicle Light Detector						Ground Rod		
Confirmation Beacon						-(C) Controller		
Wireless Interconnect						-(M) Mast Arm		
Wireless Interconnect Radio Repeater						-(P) Post		
Wireless Access Point						-(S) Service		

MODEL: TS\_07\_001 (Sheet)  
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USER NAME = naveed,hassan	DESIGNED -	REVISED - IP
	DRAWN -	REVISED - LP
	CHECKED -	REVISED - 9/29/2016
PLOT DATE = 12/8/2025	DATE -	REVISED - I.P. 10/15/2025

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

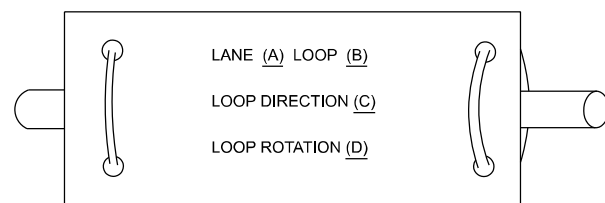
SCALE: NONE    SHEET #014 OF 21 SHEETS    STA.    TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	61
<b>TS-01</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				

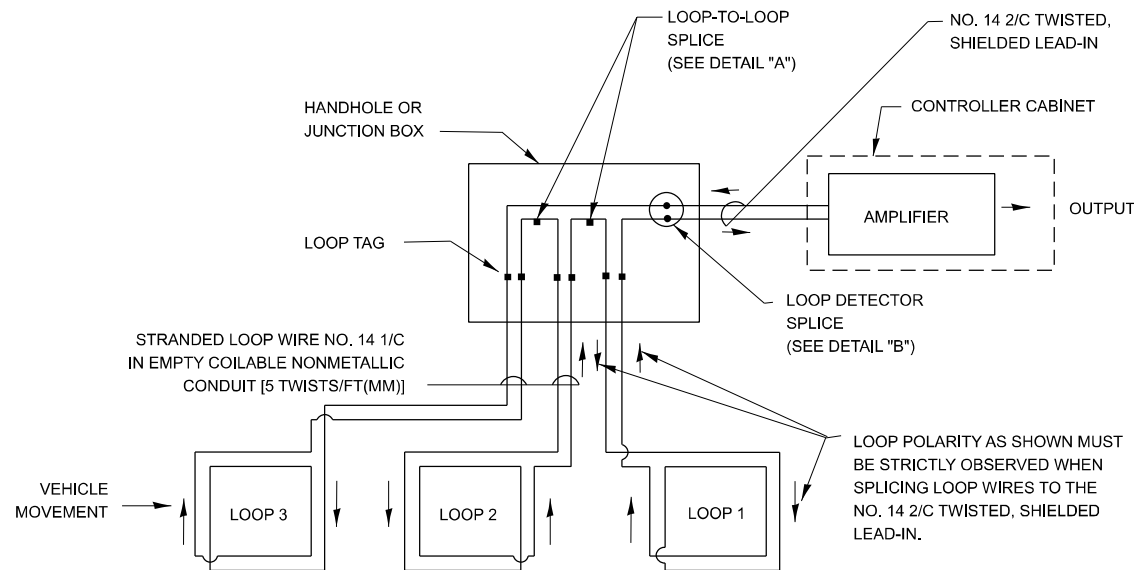
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

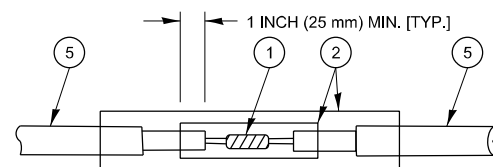


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

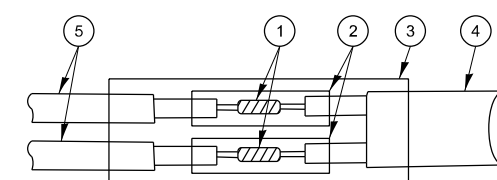


**DETECTOR LOOP WIRING SCHEMATIC**

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

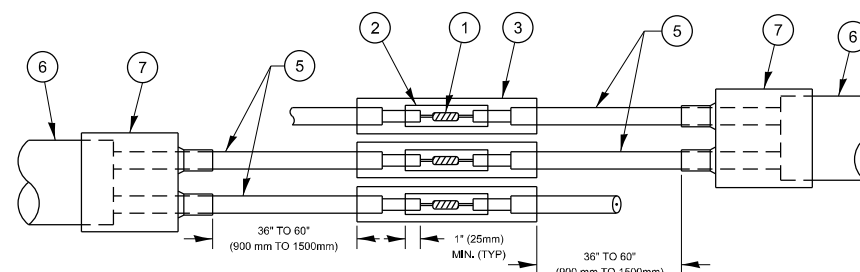


**DETAIL "A"  
LOOP-TO-LOOP SPLICE**

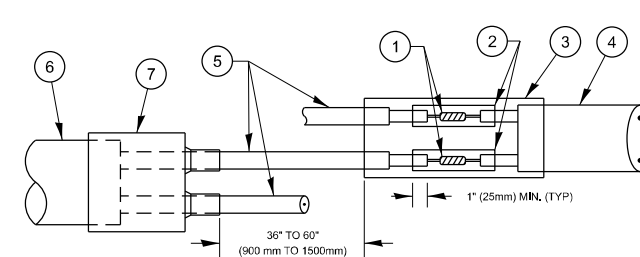


**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**TYPE I LOOP**



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



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

**PRE-FORMED LOOP**

**LOOP DETECTOR SPLICE**

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

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PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

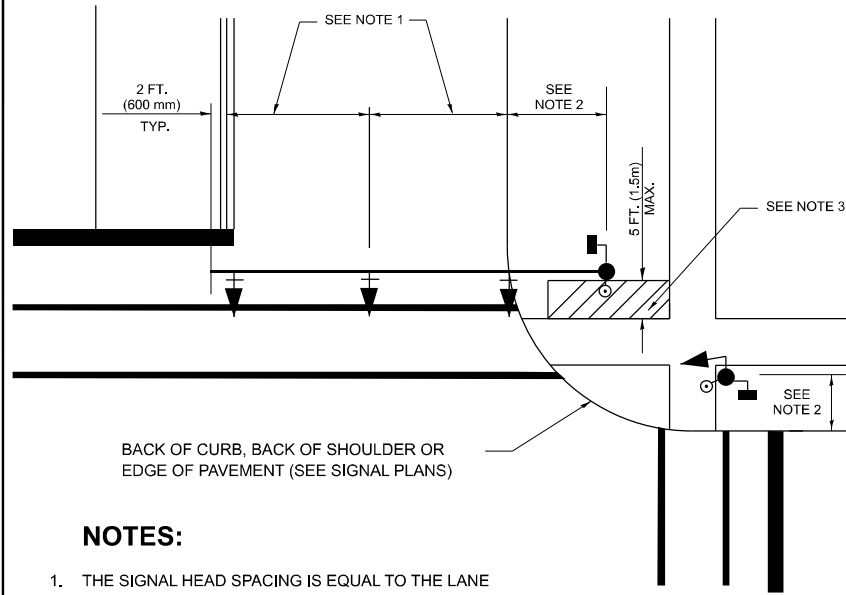
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 015 OF 21 SHEETS STA. TO STA.

F.A.P RTE. 344A	SECTION 2025-2007-RS	COUNTY COOK	TOTAL SHEETS 68	SHEET NO. 62
<b>TS-01</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

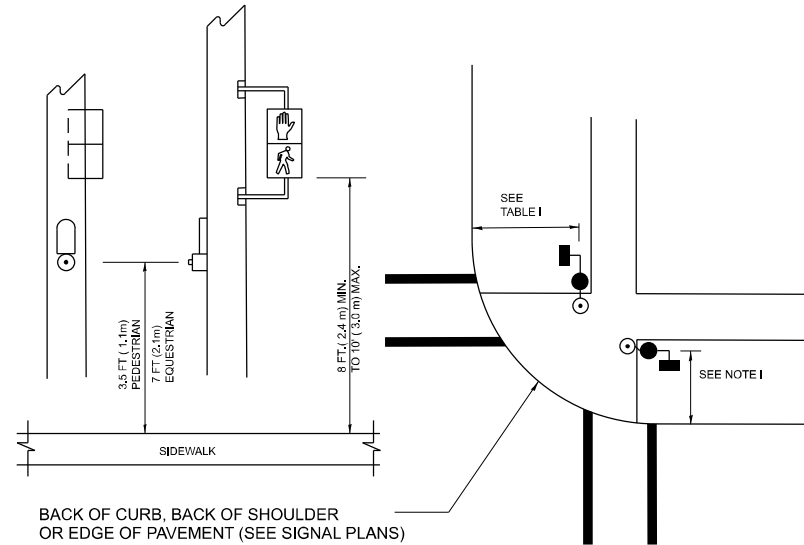
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

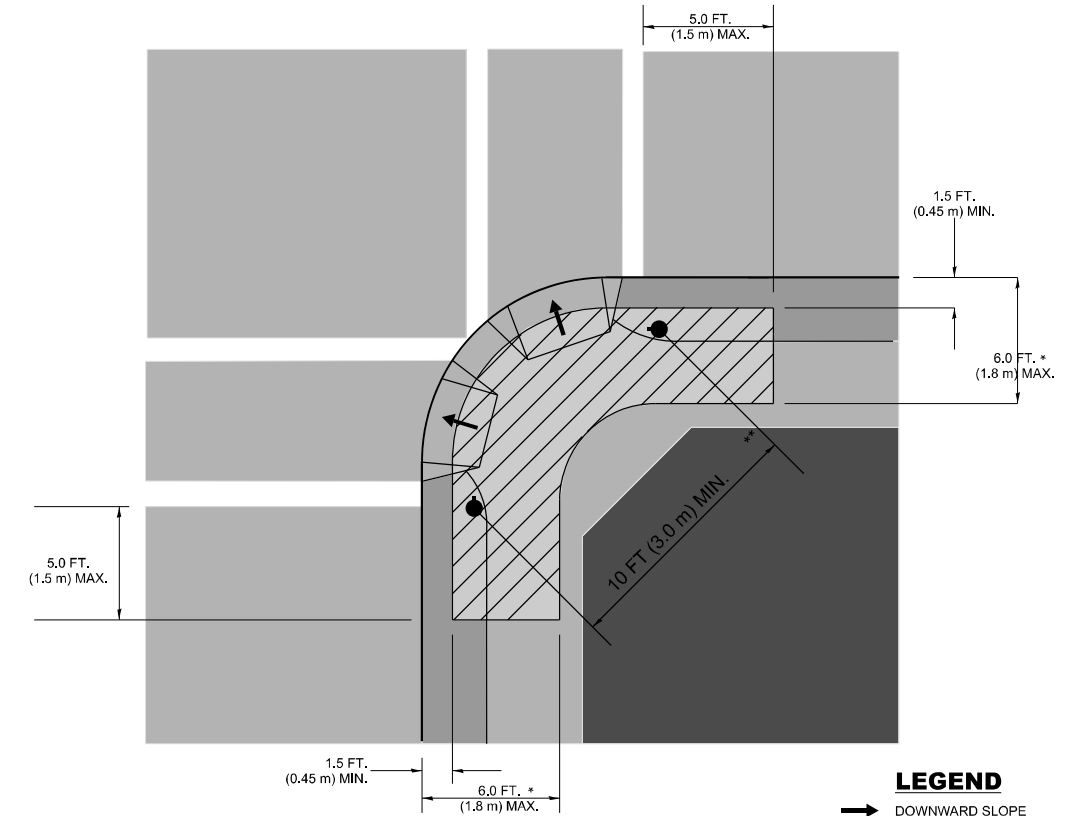
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

**NOTES:**

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

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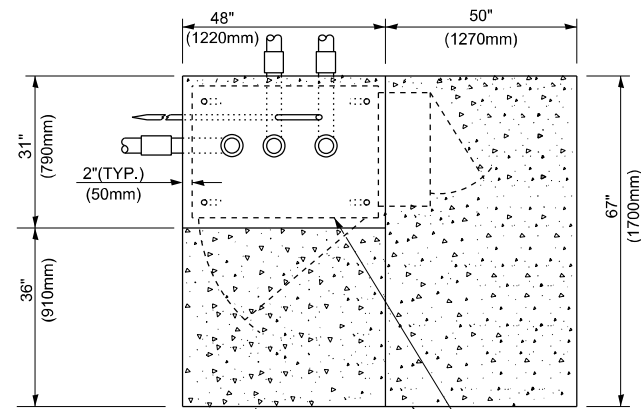
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

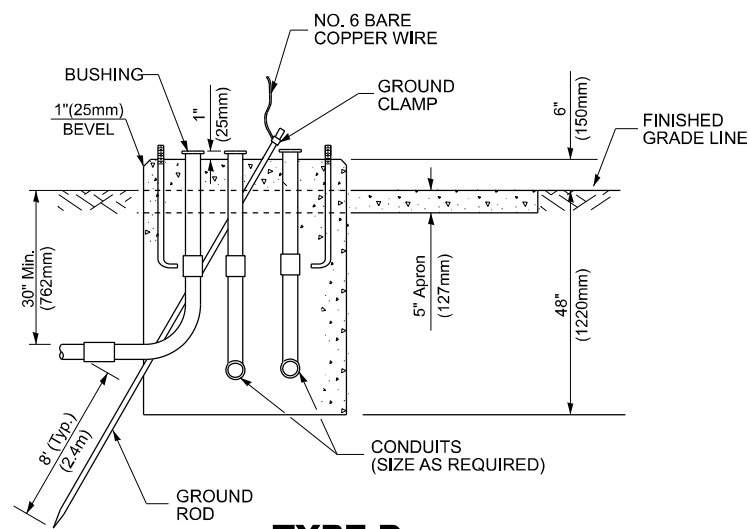
SCALE: NONE SHEET 016 OF 21 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-01</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				

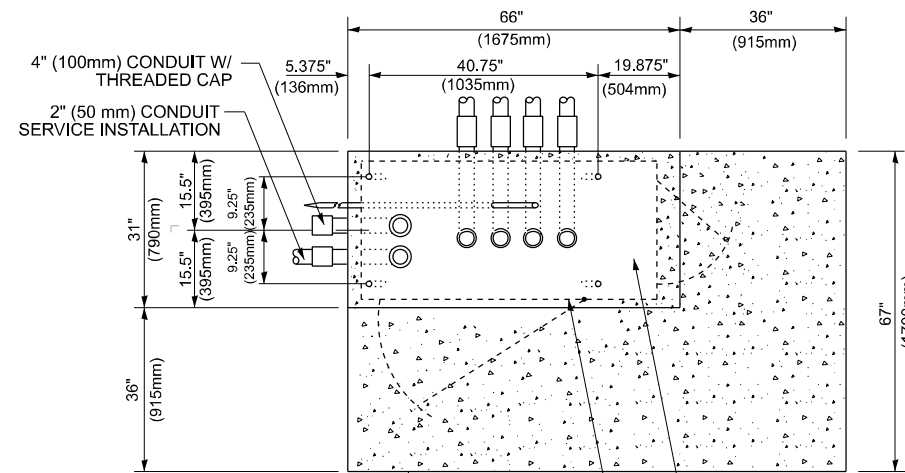




**TOP VIEW**

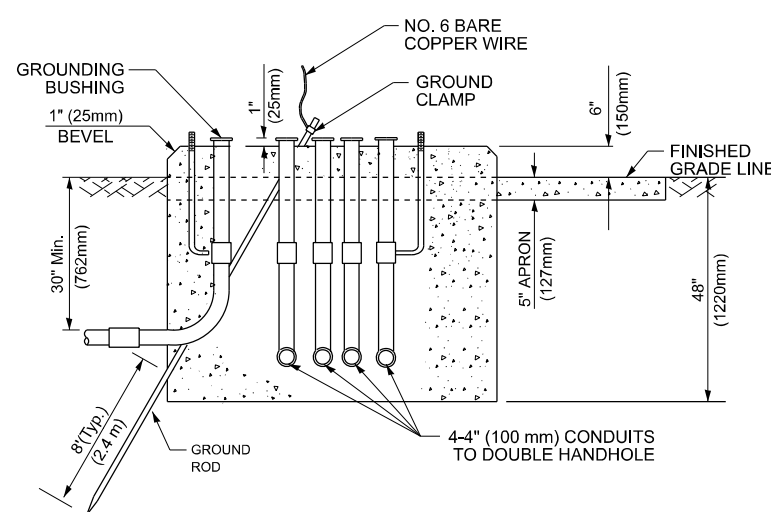


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

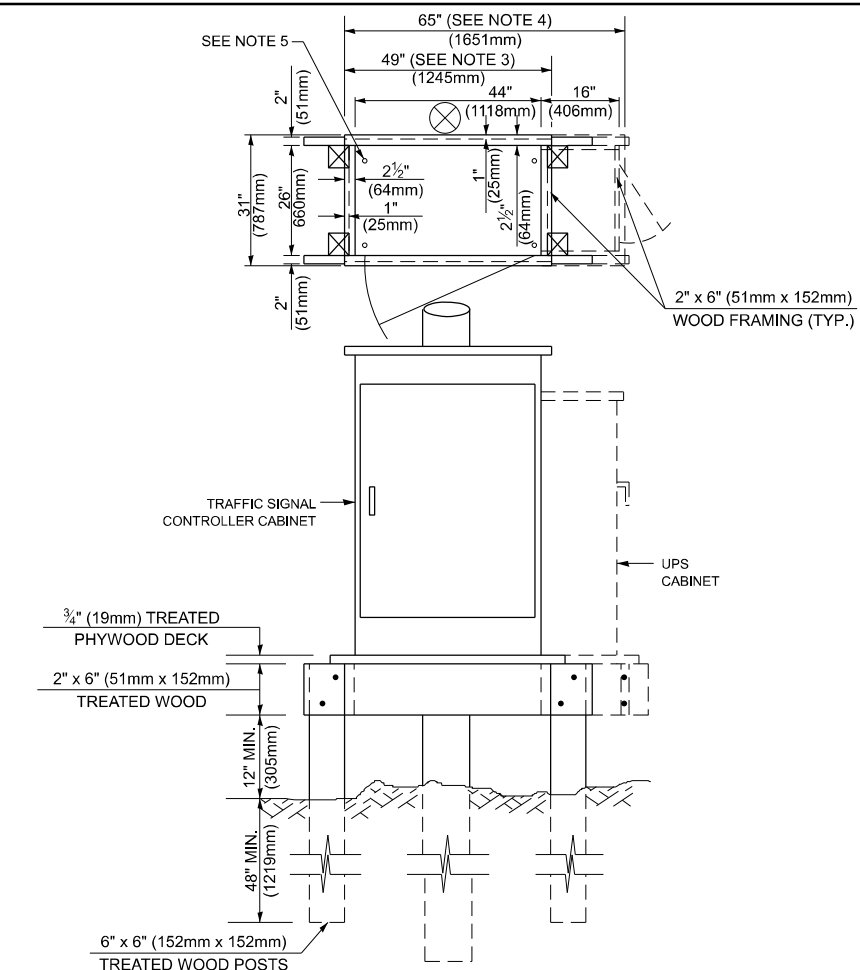


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

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

**NOTES:**

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

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

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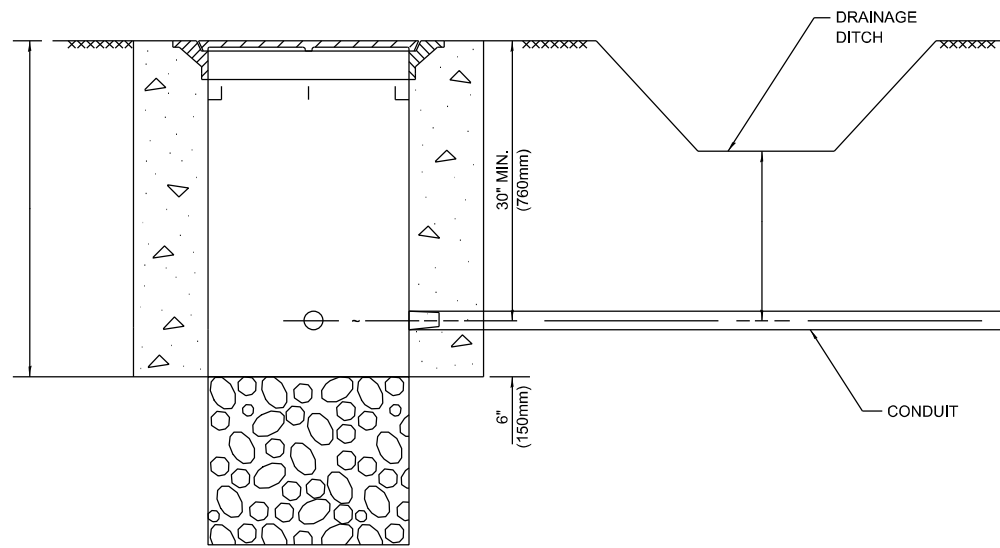
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 018 OF 21 SHEETS STA. TO STA.

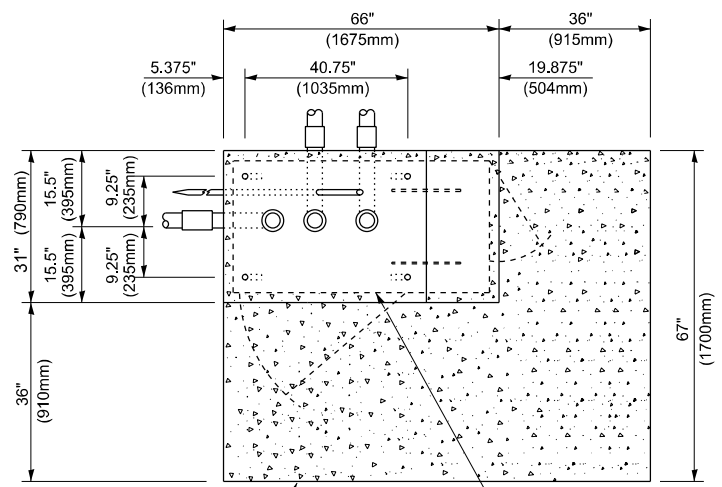
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-01</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				



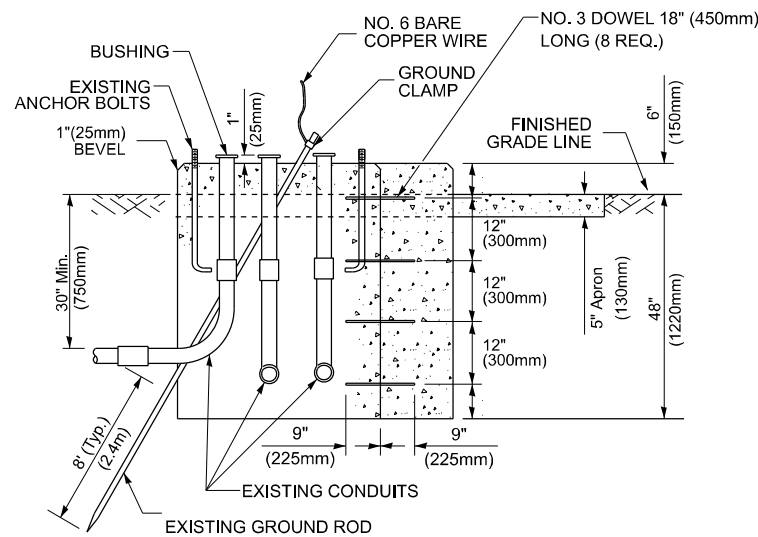
**NOTES:**

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

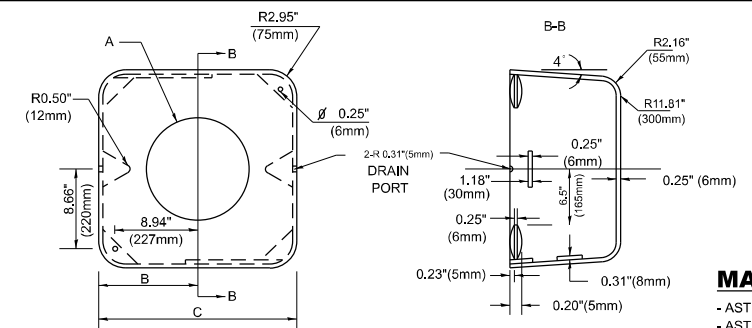
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**TOP VIEW**  
(NOT TO SCALE)



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



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

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

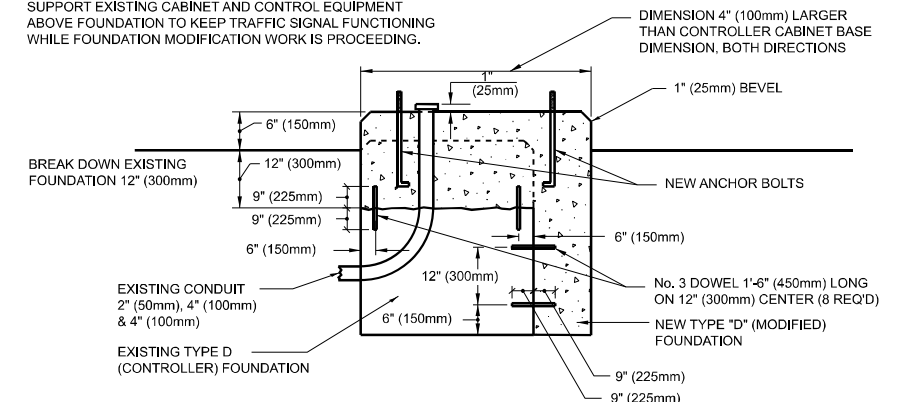
**SHROUD**

**NOTES:**

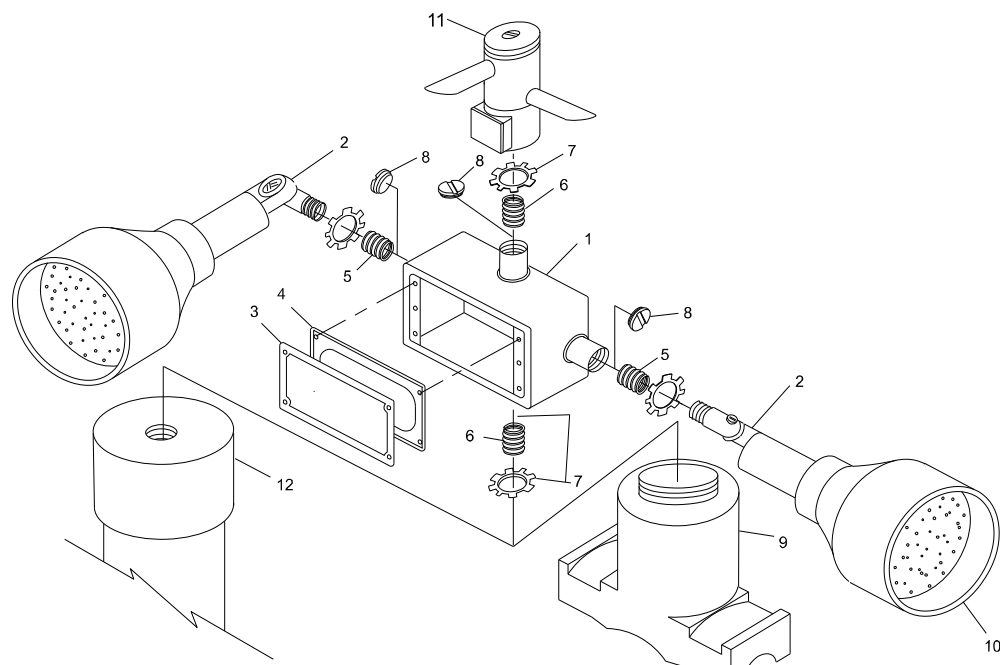
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**

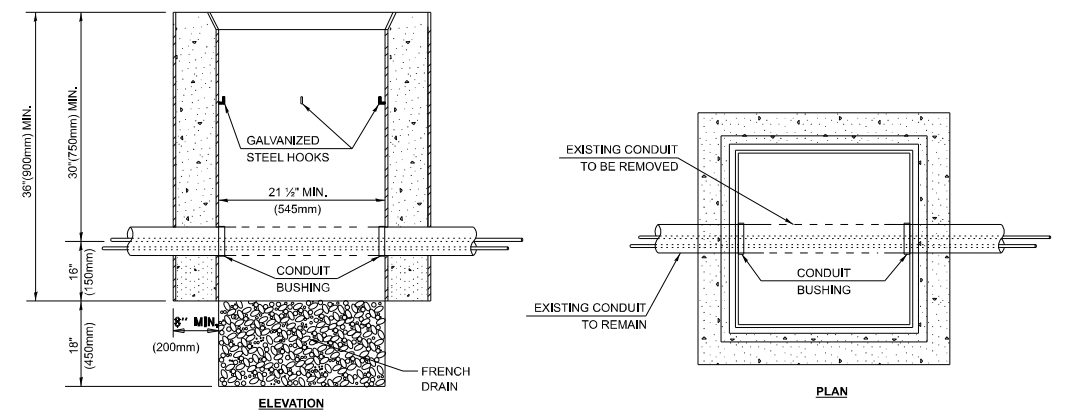


**POST CAP MOUNT MAST ARM MOUNT**  
**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**

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

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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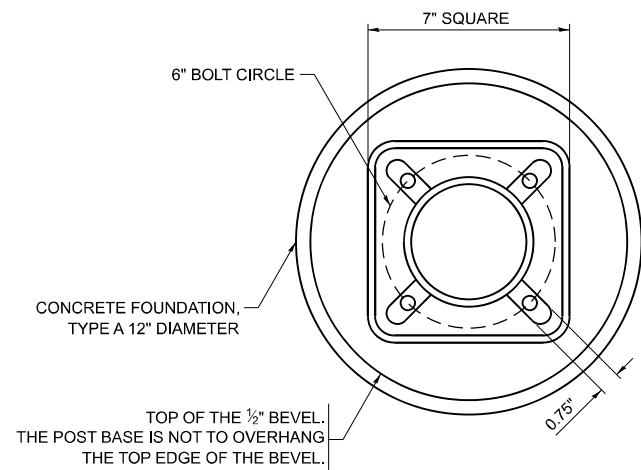
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	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

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

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET #019 OF 21 SHEETS STA. TO STA.

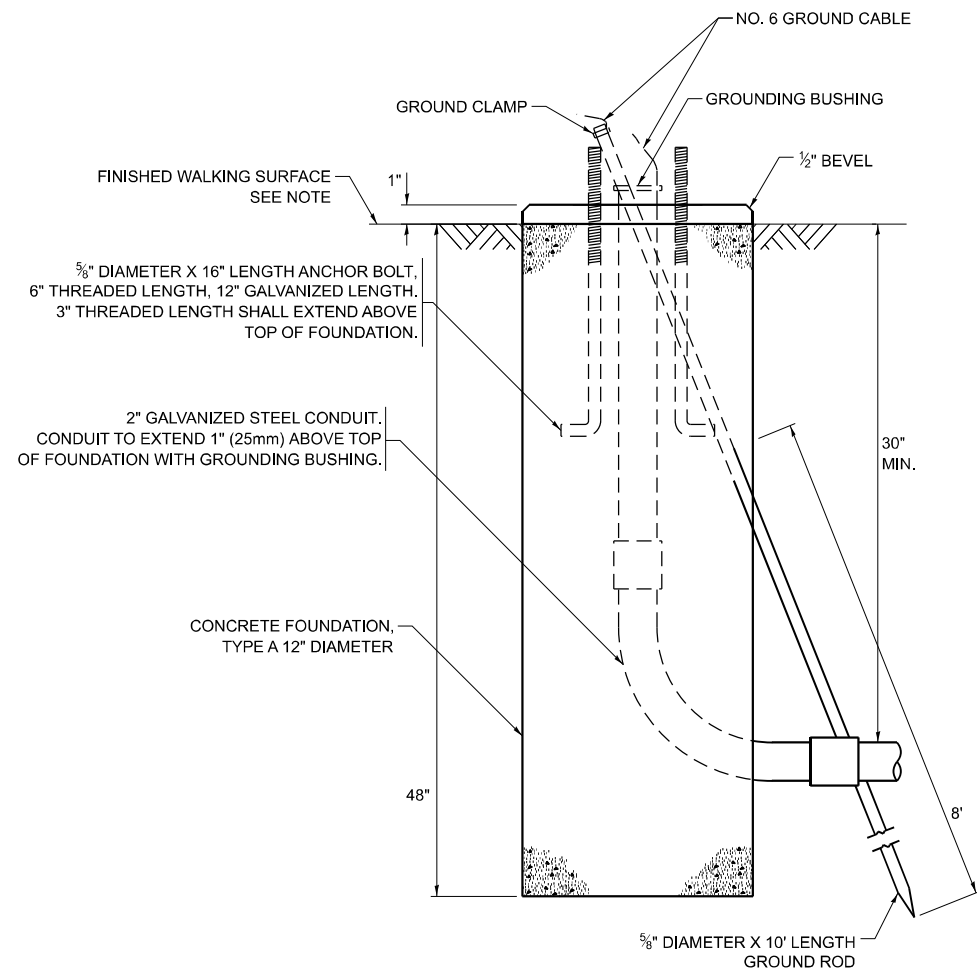
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	66
<b>TS-01</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				



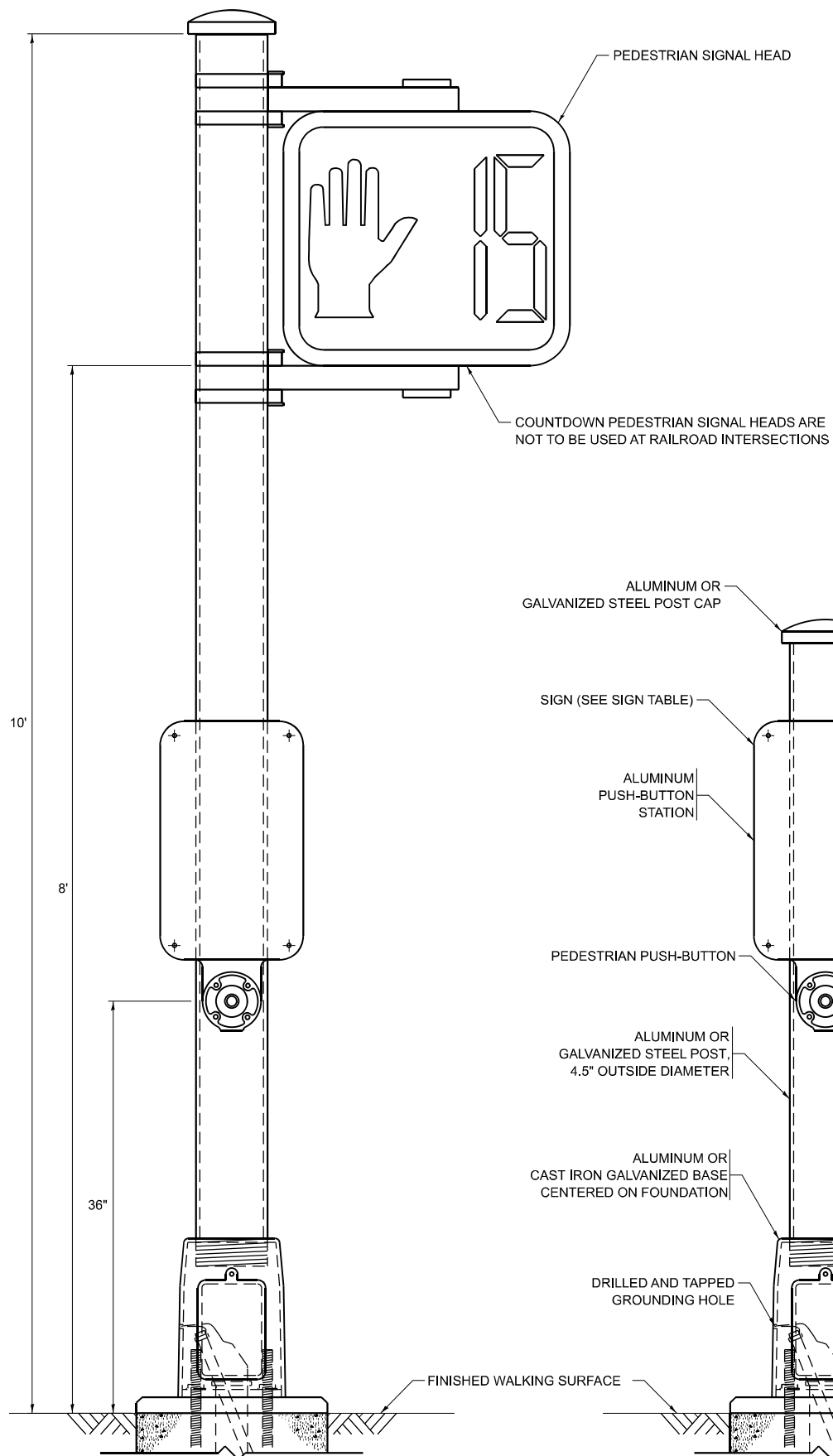
**BOLT PATTERN**

**NOTE:**

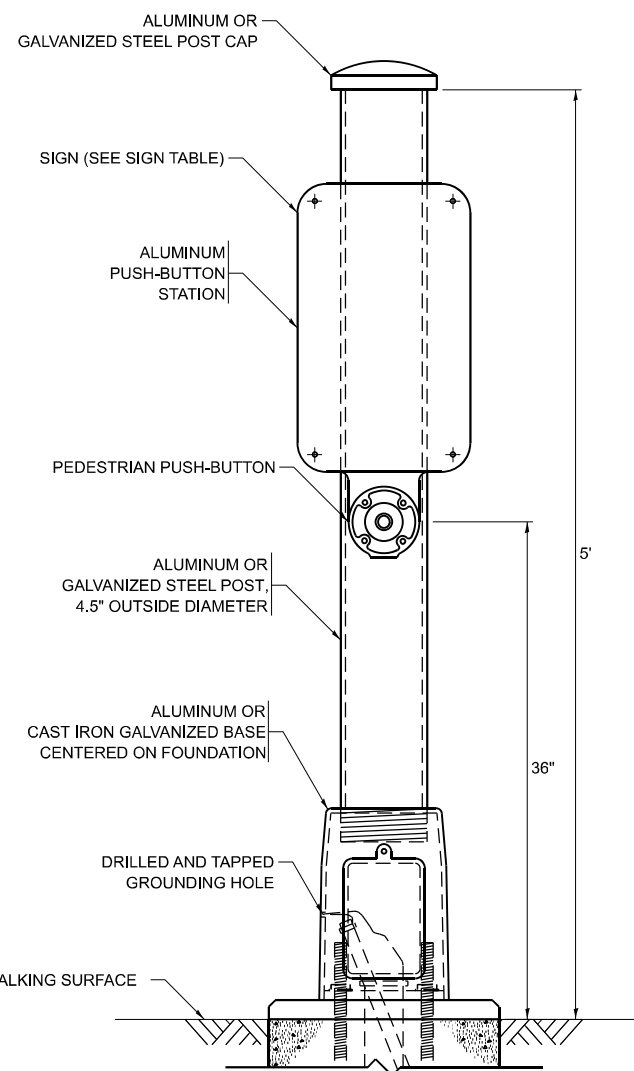
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



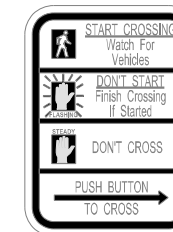
**CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER**



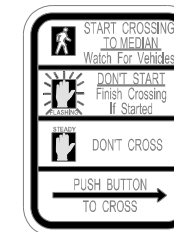
**PEDESTRIAN SIGNAL POST, 10 FT.**



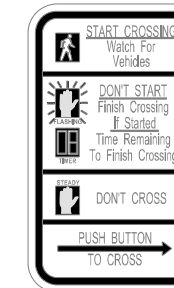
**PEDESTRIAN SIGNAL POST, 5 FT.**



**R10-3b**



**R10-3d**



**R10-3e**

**SIGN TABLE**

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

**NOTES:**

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

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	DRAWN - IP	REVISED -
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DATE = 12/8/2025	DATE - 10-15-2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

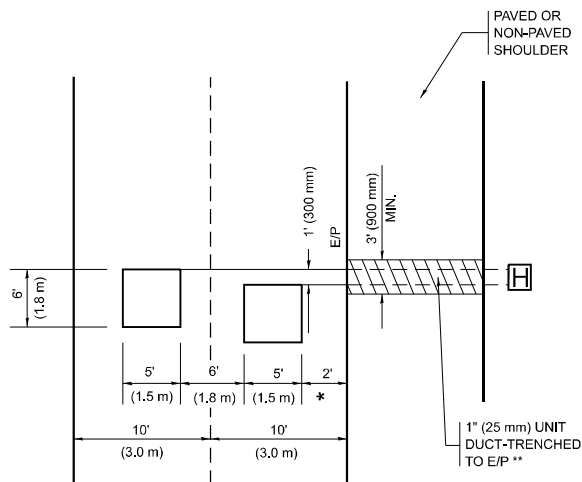
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 020 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	67
<b>TS-01</b>		CONTRACT NO. 80B26		
ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



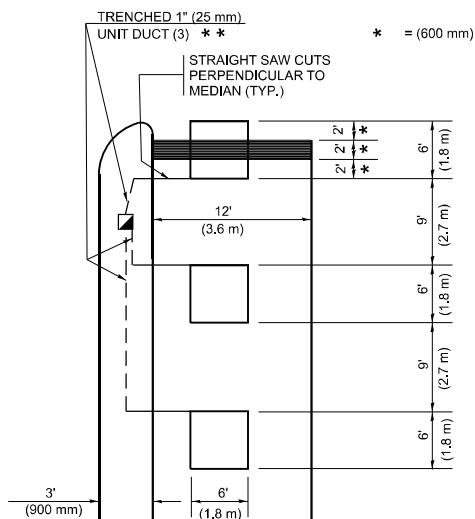
\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS**

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



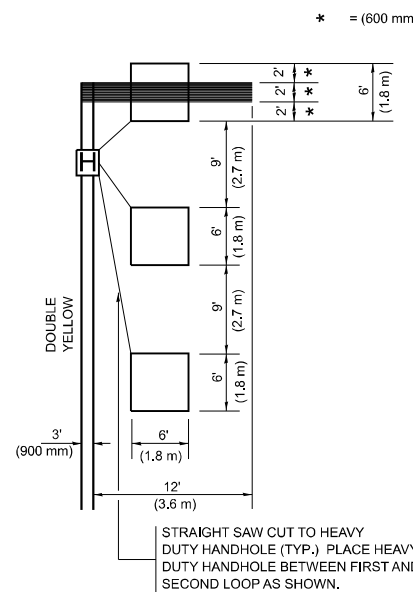
\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS**

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)



\* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

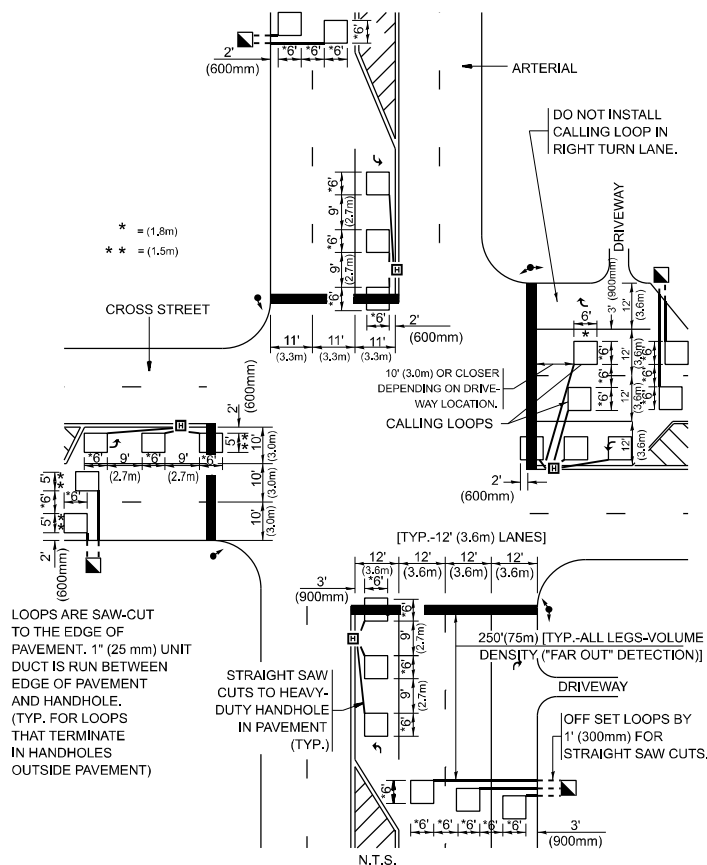
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)**



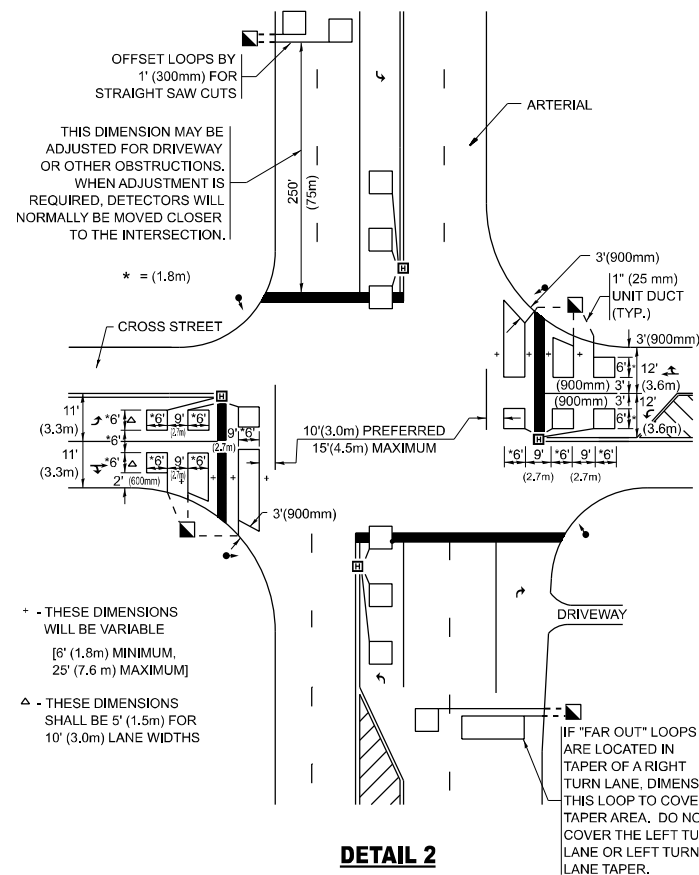
\* = (1.8m)  
\*\* = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

**DETAIL 1**  
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS  
THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

\* = (1.8m)

\* - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]  
△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

**DETAIL 2**  
N.T.S.

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

**DISTRICT 1 - DETECTOR LOOP INSTALLATION**  
**DETAILS FOR ROADWAY RESURFACING**

SCALE: NONE SHEET #021 OF 21 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344A	2025-2007-RS	COOK	68	68
<b>TS-07</b>		CONTRACT NO. 80B26		
ILLINOIS		FED. AID PROJECT		

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	CHECKED - R.K.F.	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -