04-25-2025 LETTING ITEM 025

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	1
	ILLINOIS	CONTRACT NO. 62T20		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 350: IL ROUTE 50 (CICERO AVENUE)
157TH STREET TO IL ROUTE 83 (147TH STREET)
SECTION: FAP 0350 22 RS
PROJECT: NHPP-WIU7(540)
SMART OVERLAY AND ADA IMPROVEMENTS
COOK COUNTY

C-91-308-22

R 13 E

T 36 N

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE CITY OAK FOREST AND THE VILLAGE OF MIDLOTHIAN

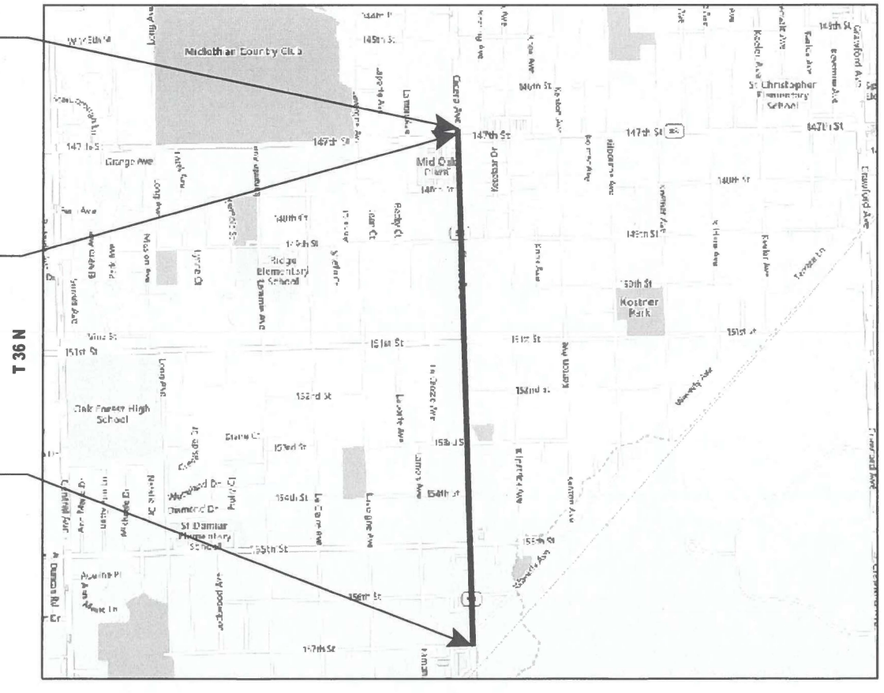
TRAFFIC DATA:

IL-50:
PROJECT BEGIN TO PROJECT END
ADT (2023) = 25700
SPEED LIMIT = 35 MPH
OTHER PRINCIPAL ARTERIAL

PROJECT ENDS STA 90+17.40

RESURFACING LIMIT ENDS STA 86+18.78

PROJECT AND RESURFACING LIMIT BEGIN STA 17+92.84



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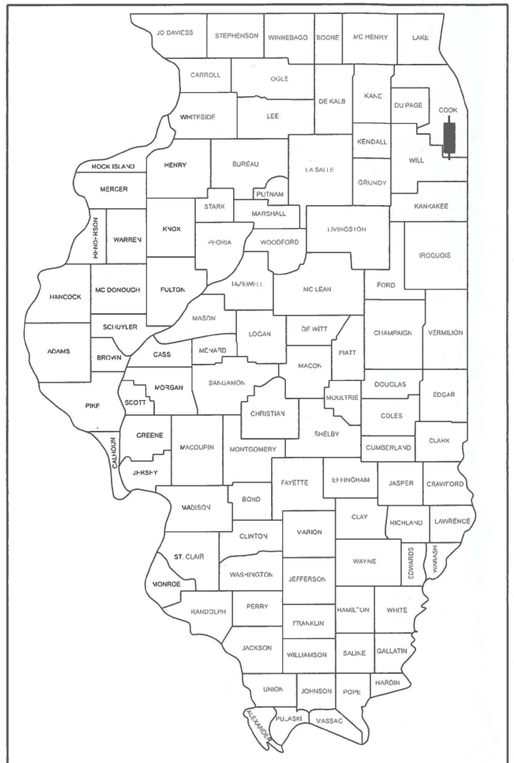
LOCATION MAP (NOT TO SCALE)

D-91-255-22



LOCATION OF SECTION INDICATED THUS: -

100' 200' 300' — 1"= 100'
10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 29th 20 25
REGIONAL ENGINEER

March 21 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 25
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER : DANIEL WILGREEN, P.E. (847) 705-4240
PROJECT MANAGER : J. ALAIN MIDY, P.E. (847) 221-3056

CONTRACT NO. 62T20

BREMEN TOWNSHIP

GROSS LENGTH = 7,224.56 FT. = 1.368 MILE
NET LENGTH = 7,224.56 FT. = 1.368 MILE

REV-SEP

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD MOVING OPERATIONS, MULTILANE 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF OAK FOREST, AND VILLAGE OF MIDLOTHIAN.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
5. 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.
6. 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.
7. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
8. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
9. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
10. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
11. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
12. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
13. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
14. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
15. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
17. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE LOCATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER THE RECORD TO THE ENGINEER.
18. 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.
19. PAVEMENT MARKING, TYPE IV TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
20. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
21. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.
22. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHES UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
23. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
24. THE LOCATIONS FOR THE PAVEMENT REMOVAL ARE TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
25. THE LOCATIONS FOR THE INTERSEEDING CLASS 2A ARE TO BE DETERMINED BY THE ENGINEER WITHIN THE PARKWAYS.
26. THE LOCATIONS FOR THE TREE CARE ARE TO BE DETERMINED BY THE ENGINEER WITHIN THE ROW.
27. THE LOCATIONS FOR THE STAMPED COLORED PCC SIDEWALK, 5" ARE AS SHOWN ON THE PLANS OR TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

USER NAME = Rana.Kallo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 2/24/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	2
		CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
	20200100	EARTH EXCAVATION	CU YD	70	70					
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	168	168					
	25003210	INTERSEEDING, CLASS 2A	ACRE	0.5	0.5					
	25100630	EROSION CONTROL BLANKET	SQ YD	239.2	239.2					
	25200110	SODDING, SALT TOLERANT	SQ YD	168	168					
	25200200	SUPPLEMENTAL WATERING	UNIT	1.7	1.7					
	31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	127.3	127.3					
	35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	127.3	127.3					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	24172	24172					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	29252	29252					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	80.6	80.6					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	315	315					
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	352	352					
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	6	6					
	40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	5264	5264					
	42001300	PROTECTIVE COAT	SQ YD	2162	2162					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6789	6789					
	42400800	DETECTABLE WARNINGS	SQ FT	391	391					
	44000100	PAVEMENT REMOVAL	SQ YD	53	53					
	44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	53715	53715					
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	7.7	7.7					

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
	44000600	SIDEWALK REMOVAL	SQ FT	7817	7817					
	44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	2092	2092					
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1552	1552					
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	290	290					
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	250	250					
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4					
	60255500	MANHOLES TO BE ADJUSTED	EACH	4	4					
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8					
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	84	84					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	12	12					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	70	70					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	9	9					
	67100100	MOBILIZATION	L SUM	1	1					
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	28515	28515					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	9505	9505					

* SPECIALITY ITEMS

△ NON-PARTICIPATING WORK (100% STATE)

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USER NAME = Rana.Kalo	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
	CHECKED -	REVISED -	
PLOT DATE = 1/30/2025	DATE -	REVISED -	

SUMMARY OF QUANTITIES
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	3
		CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2997	2997					
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	83250	83250					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	18610	18610					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	8505	8505					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1547	1547					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	999	999					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	27750	27750					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6203	6203					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2835	2835					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	516	516					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	821	821					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	821	821					
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	13434	13434					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	73			73			
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3			3			
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1757			1757			
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	871			871			
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1580			1580			
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	328.5			328.5			
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	984			984			
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12			12			

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
*	87900200	DRILL EXISTING HANDHOLE	EACH	11			11			
*	88102719	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED WITH COUNTDOWN TIMER	EACH	4			4			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	4			4			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1796			1796			
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5			5			
*	89502200	MODIFY EXISTING CONTROLLER	EACH	3			3			
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	28			28			
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	84			84			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			3			
*	89502376	REBUILD EXISTING HANDHOLE	EACH	15			15			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1			1			
	K0026700	TREE CARE	EACH	15	15					
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	3			3			
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	7			7			
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4			4			
*	X1400450	REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	2			2			
	X1700067	STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	1630	1630					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	400	400					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	3823	3823					
△	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2720		2720				

* SPECIALITY ITEMS

△ NON-PARTICIPATING WORK (100% STATE)

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USER NAME = Rana.Kalo	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	4
		CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	34	34					
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4					
*	X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	4			4			
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	20			20			
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	44			44			
△	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	50		50				
	Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	5	5					
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	3			3			

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC 80% FED 20% STATE 0021	URBAN	URBAN	URBAN

* SPECIALITY ITEMS

△ NON-PARTICIPATING WORK (100% STATE)

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USER NAME = Rana.Kalo	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
	CHECKED -	REVISED -	
PLOT DATE = 1/30/2025	DATE -	REVISED -	

SUMMARY OF QUANTITIES
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	5
		CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

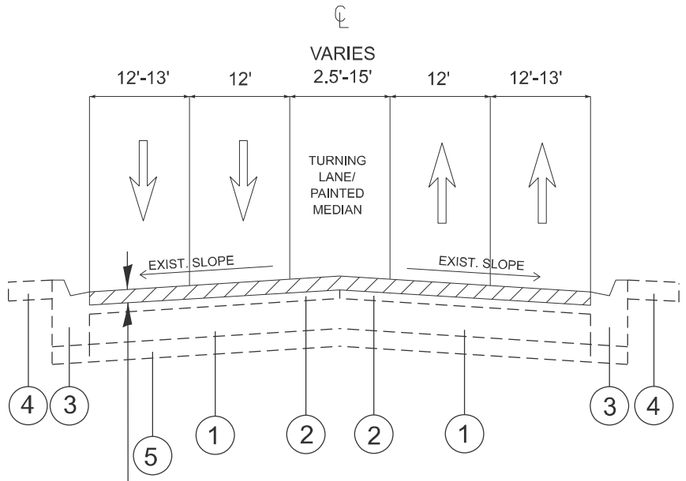
LEGEND - EXISTING:

① PORTLAND CEMENT CONCRETE PAVEMENT 10"±
② HOT-MIX ASPHALT PAVEMENT 3"±
③ COMBINATION CONCRETE CURB AND GUTTER
④ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
⑤ SUB-BASE GRANULAR MATERIAL, TYPE A, 4"

LEGEND - PROPOSED

⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80,1¾"
⑥ COMBINATION CONCRETE CURB AND GUTTER (REMOVAL AND REPLACEMENT DETERMINED BY THE RE)

IL 50 (CICERO AVENUE)

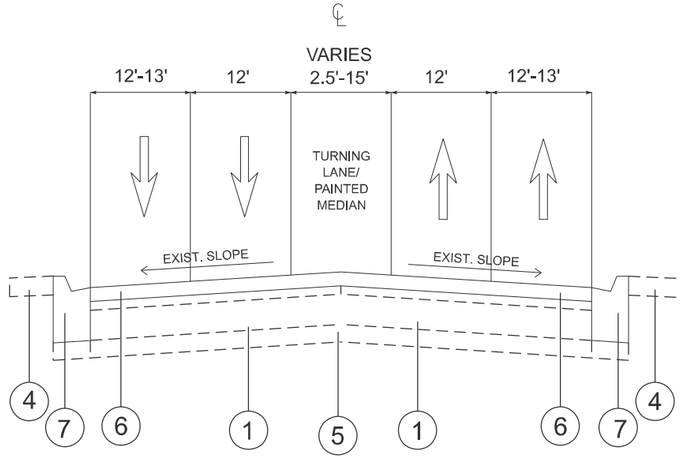


EXISTING TYPICAL SECTION

STA 17+92.84 TO STA 86+18.78

HOT-MIX ASPHALT SURFAC REMOVAL, 1 ¾"

IL 50 (CICERO AVENUE)



PROPOSED TYPICAL SECTION

STA 17+92.84 TO STA 86+18.78

HOT-MIX ASPHALT MIXURE REQUIREMENTS			
MIXTURE USES	**MIXTURE TYPE**	AIR VOIDS(%) Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING	**POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9,5, MIX "F", N80, 1 ¾"**	3.5% @ 80 GYR.	QCP
PATCHING	**HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)**	4.0% @ 70 GYR.	QC/QA
	CLASS D PATCHES (HMA BINDER IL-19 MM)	4.0% @ 70 GYR.	QC/QA
HMA BEHIND THE PROP. ADA SIDEWALK OR CURB AND GUTTER REMOVAL AND REPLACEMENT	**HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 , MIX "D", N50**	4.0% @ 50 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

NOTES:

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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

NOTE 3: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACE OVER THE MILLED SURFACE

NOTE 4: THE CONTRACTOR SHALL PERFORM THE PAVEMENT PATCHING OPERATIONS PRIOR TO THE HMA SURFACE REMOVAL OPERATION. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22) FOR ADDITIONAL INFORMATION.

MODEL: TYPICAL SECTIONS [Sheet]
FILE NAME: c:\dw_work\pwdot\karm\d0911274\D125522-sht-typical.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 2/24/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	6
		CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

ADA IMPROVEMENT LEGEND

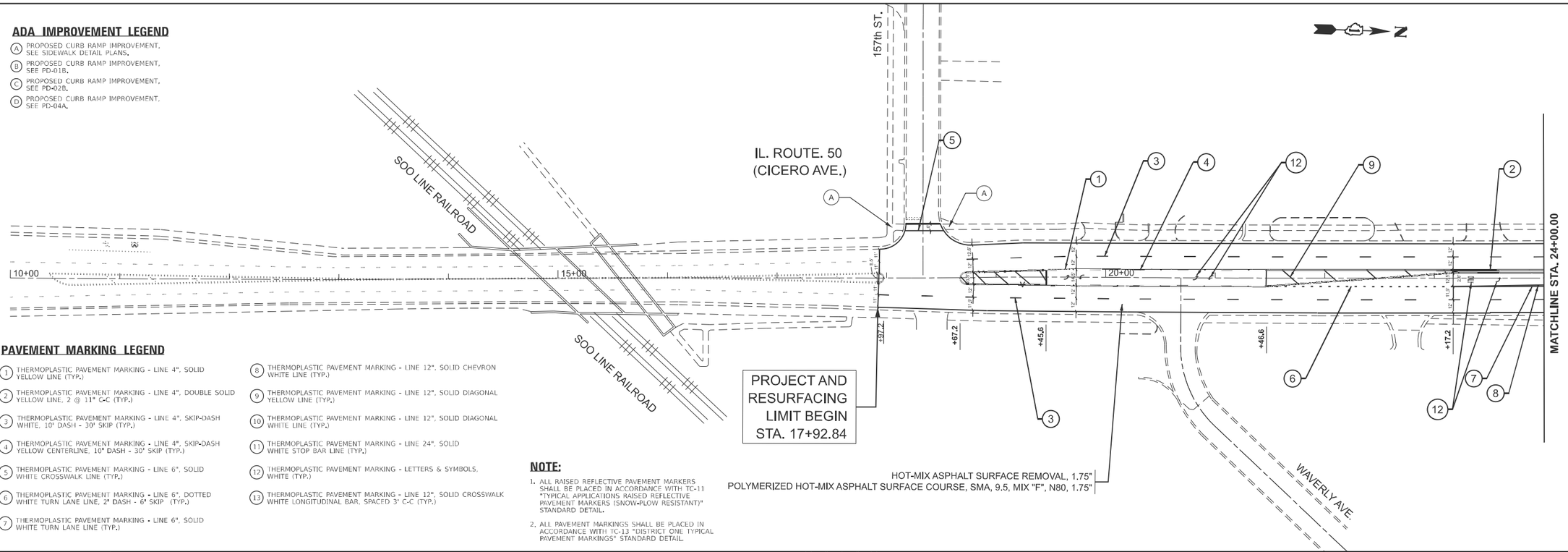
- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLANS.
- (B) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-01B.
- (C) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B.
- (D) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A.

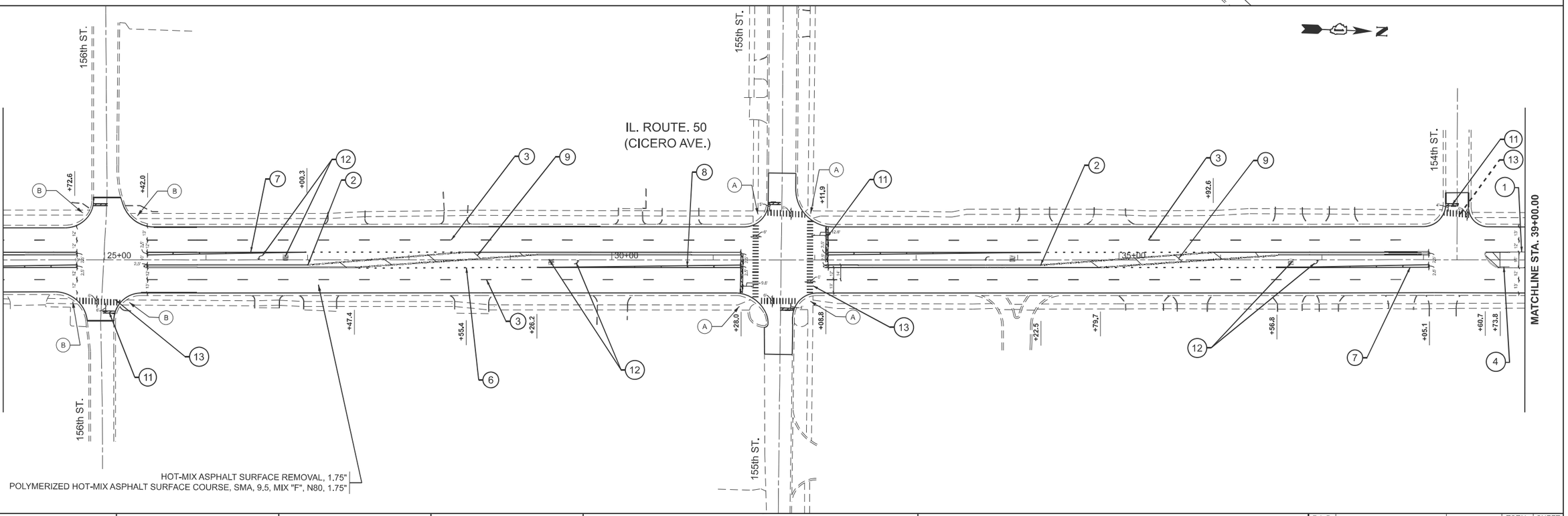
PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW LINE (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4", SKIP-DASH WHITE, 10' DASH - 30' SKIP (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4", SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE CROSSWALK LINE (TYP.)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6", DOTTED WHITE TURN LANE LINE, 2' DASH - 6' SKIP (TYP.)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE TURN LANE LINE (TYP.)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID CHEVRON WHITE LINE (TYP.)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID DIAGONAL YELLOW LINE (TYP.)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID DIAGONAL WHITE LINE (TYP.)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE STOP BAR LINE (TYP.)
12. THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE (TYP.)
13. THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID CROSSWALK WHITE LONGITUDINAL BAR, SPACED 3' C-C (TYP.)

NOTE:

1. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
2. ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.





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USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

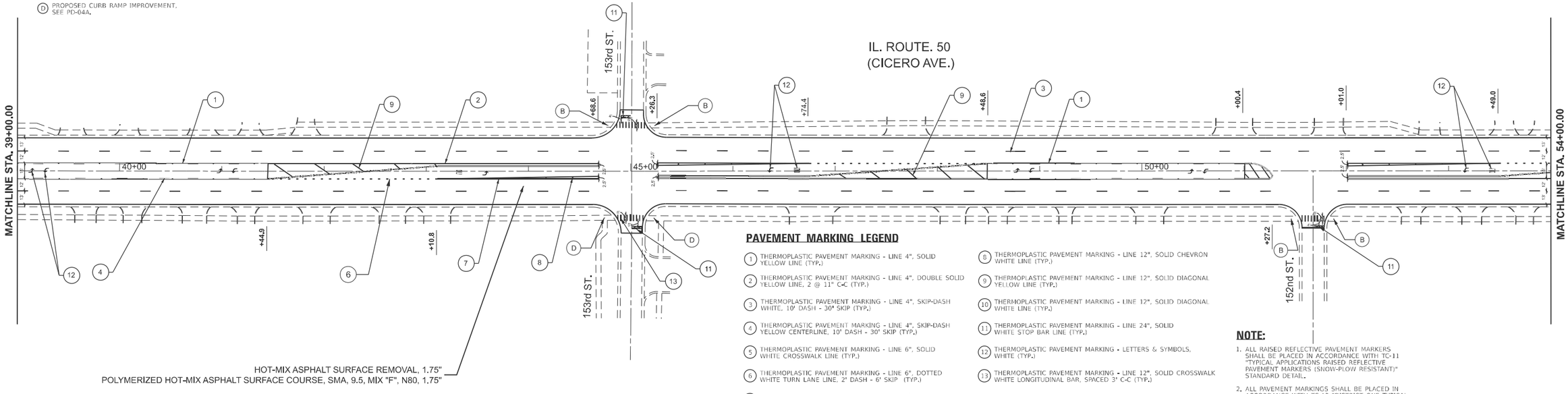
EXISTING AND PROPOSED ROADWAY PLAN
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 10+00.00 TO STA. 39+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	7
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

ADA IMPROVEMENT LEGEND

- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLANS.
- (B) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-01B.
- (C) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B.
- (D) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A.



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW LINE (TYP.)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4", SKIP-DASH WHITE, 10' DASH - 30' SKIP (TYP.)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4", SKIP-DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.)
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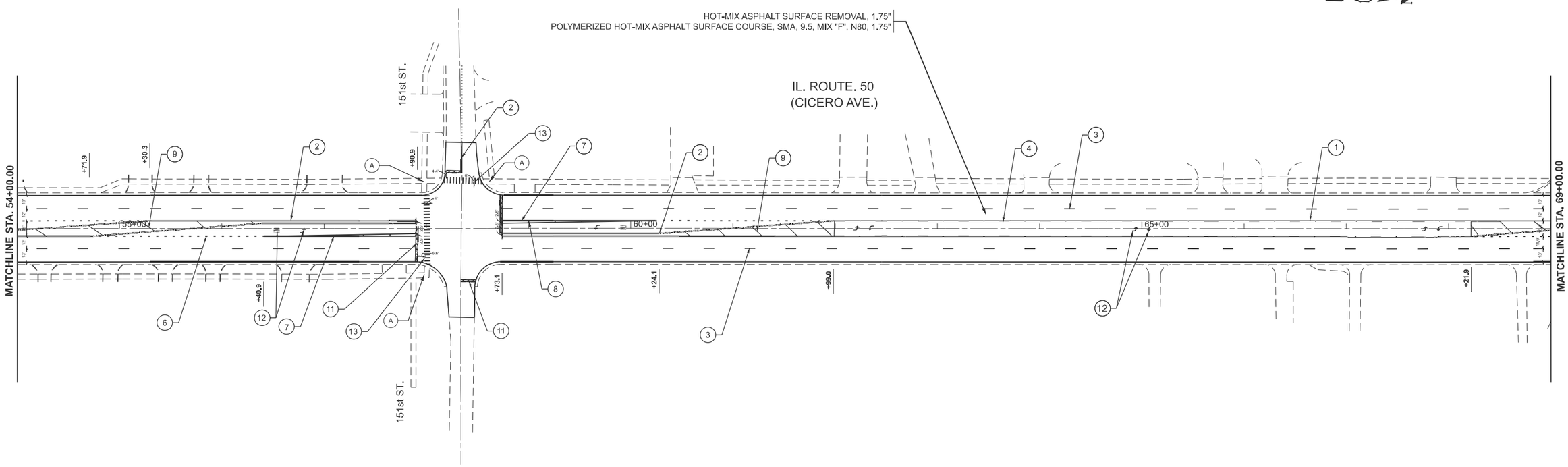
NOTE:

1. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
2. ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.



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USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

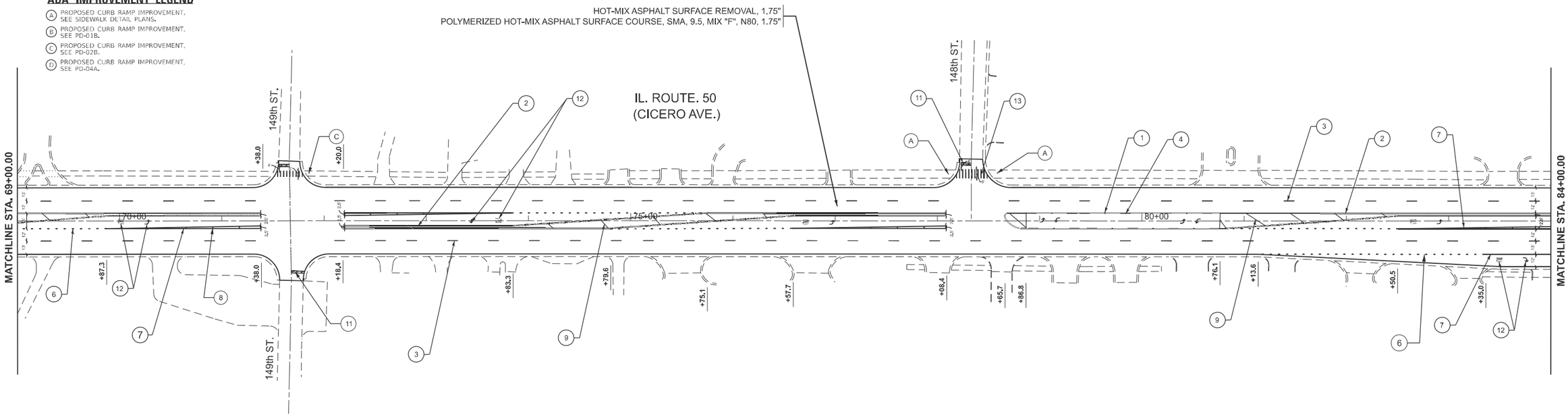
EXISTING AND PROPOSED ROADWAY PLAN
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

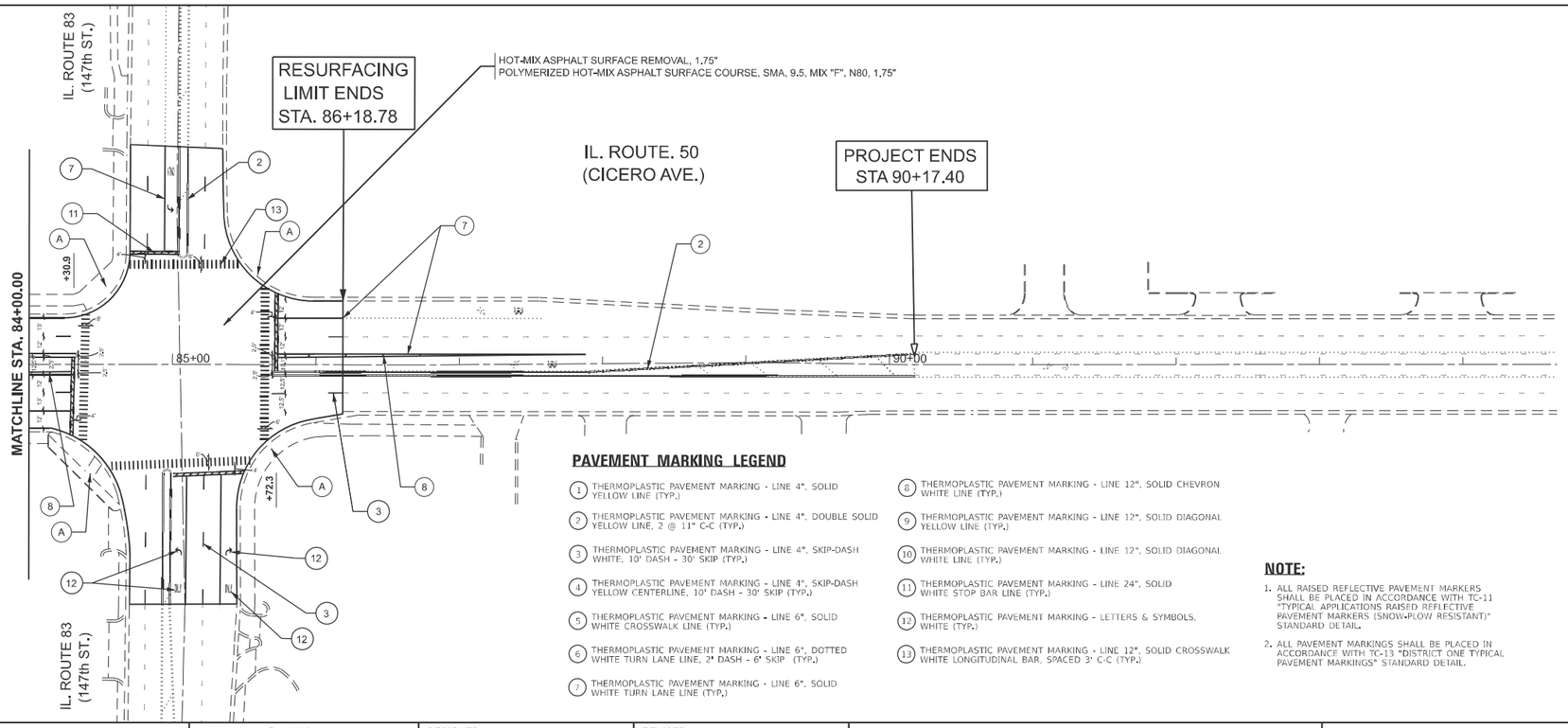
SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 39+00.00 | TO STA. 69+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	8
		CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

ADA IMPROVEMENT LEGEND

- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLANS.
- (B) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-01B.
- (C) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-02B.
- (D) PROPOSED CURB RAMP IMPROVEMENT, SEE PD-04A.





PAVEMENT MARKING LEGEND

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2. THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
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2. ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.

MODEL: IL50 - RdwyPlan03 [Sheet]
FILE NAME: c:\pw_work\pwdot\kalorm\d0911274\D1255522-sht-plan.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 3/7/2025	DATE -	REVISED -	

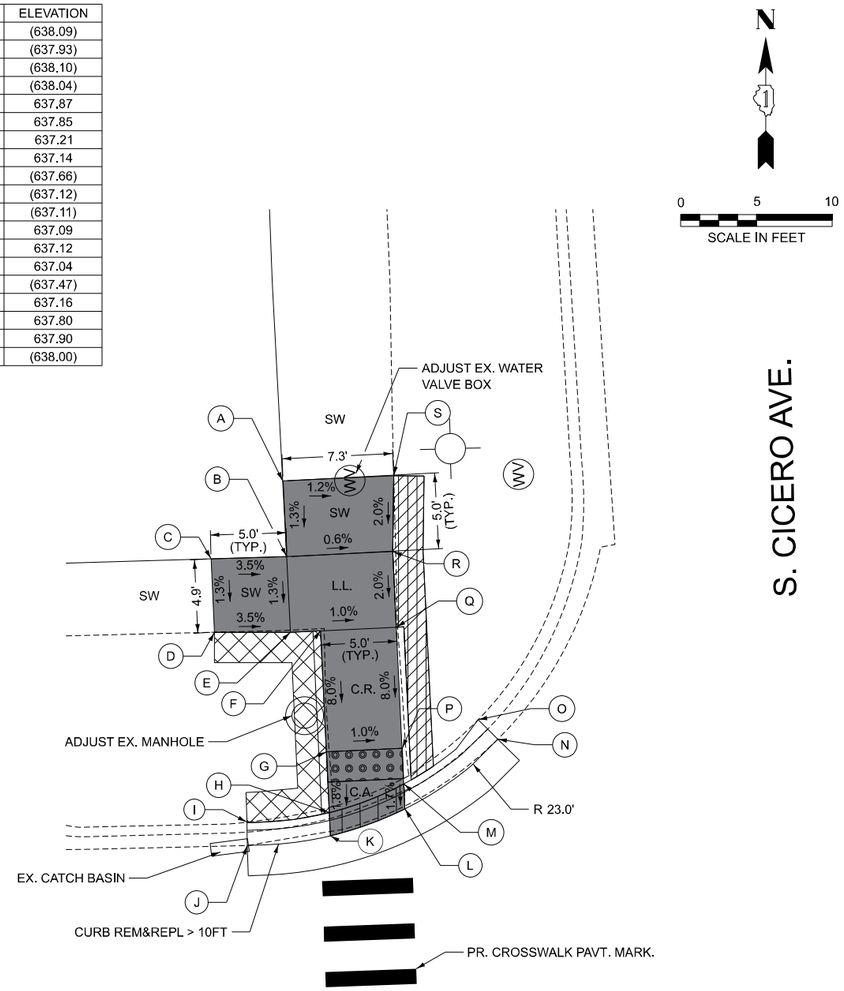
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

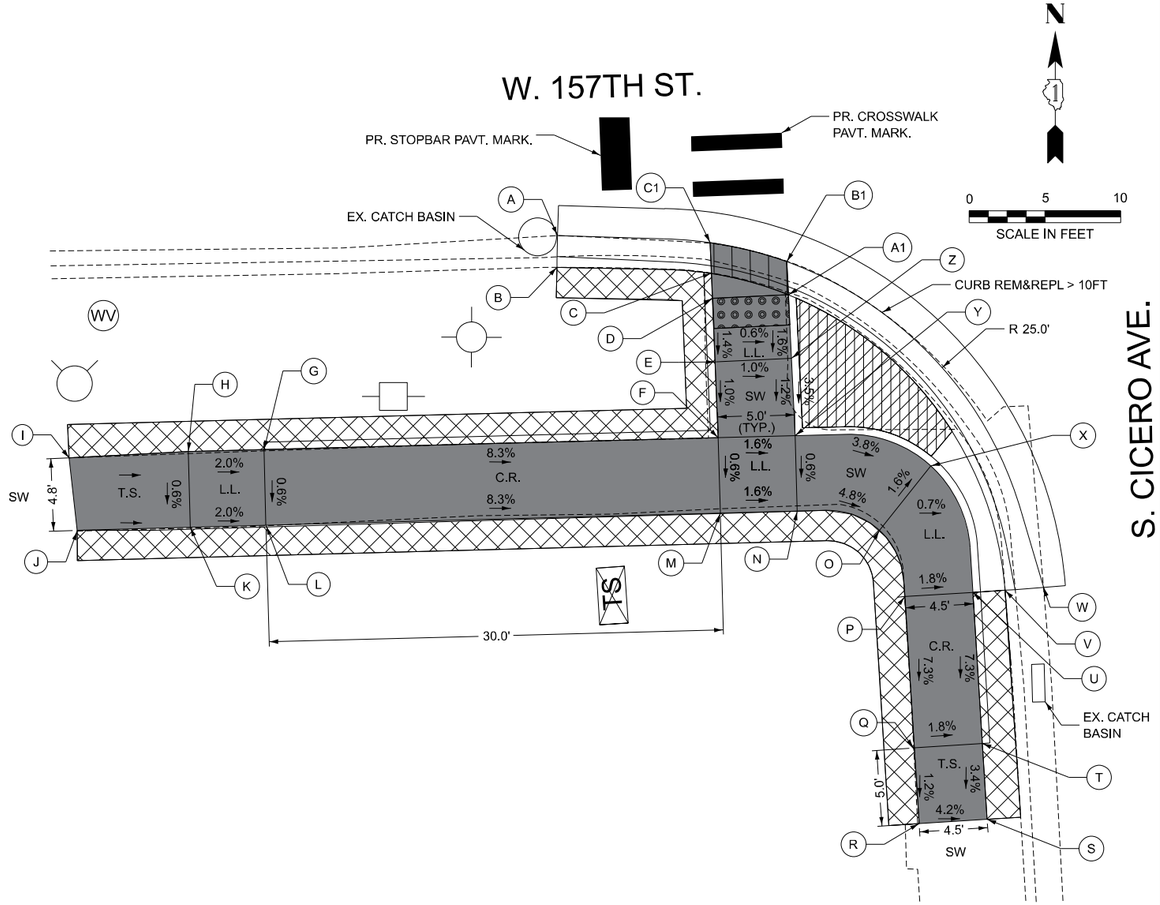
EXISTING AND PROPOSED ROADWAY PLAN
IL ROUTE 50 (CICERO AVE) (157TH ST TO IL ROUTE 83 (147TH ST))

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 69+00.00 | TO STA. 90+17.40

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	9
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

POINT	NORTHING	EASTING	ELEVATION
A	1147385.77	1799953.51	(638.09)
B	1147386.04	1799948.52	(637.93)
C	1147381.04	1799948.37	(638.10)
D	1147381.27	1799943.52	(638.04)
E	1147386.27	1799943.52	637.87
F	1147388.27	1799943.62	637.85
G	1147388.66	179935.63	637.21
H	1147388.85	1799931.62	637.14
I	1147383.40	1799930.96	(637.66)
J	1147383.44	1799929.46	(637.12)
K	1147388.92	1799930.09	(637.11)
L	1147393.84	1799931.87	637.09
M	1147393.76	1799933.52	637.12
N	1147399.97	1799936.47	637.04
O	1147398.67	1799937.74	(637.47)
P	1147393.65	1799935.87	637.16
Q	1147393.27	1799943.86	637.80
R	1147393.03	1799948.85	637.90
S	1147393.10	1799953.86	(638.00)





POINT	NORTHING	EASTING	ELEVATION
A	1147380.19	1799902.54	(637.15)
B	1147380.16	1799900.45	(637.11)
C	1147390.34	1799900.04	636.08
D	1147390.43	1799898.40	636.06
E	1147390.60	1799894.21	636.01
F	1147390.81	1799889.21	635.84
G	1147360.82	1799888.42	636.33
H	1147355.82	1799888.29	636.43
I	1147347.96	1799887.87	(638.87)
J	1147348.48	1799883.09	(639.01)
K	1147355.96	1799883.29	638.40
L	1147360.95	1799883.42	638.30
M	1147390.94	1799884.21	635.81
N	1147396.02	1799884.35	635.75
O	1147401.44	1799883.09	635.50
P	1147403.12	1799878.71	635.41
Q	1147403.75	1799868.73	634.68
R	1147404.07	1799863.74	(634.63)
S	1147408.56	1799864.02	634.43
T	1147408.24	1799869.01	634.60
U	1147407.62	1799878.99	635.33
V	1147409.75	1799879.13	(634.94)
W	1147412.28	1799879.33	(634.63)
X	1147404.84	1799887.34	635.42
Y	1147395.89	1799889.35	635.78
Z	1147395.64	1799894.45	635.96
A1	1147395.54	1799896.64	636.03
B1	1147395.34	1799900.82	(636.00)
C1	1147390.27	1799902.08	(636.05)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
6. A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".
7. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

FILE NAME: pw:\dbsterlin-pw.bentley.com:dbsterlin-pw01\Documents\Projects\PTB 203+017\Task 4068000 CADD Drawings\603 Civil\W. Cicero Ave_Sheets\62T20_sht_10_ADA 1.dgn

DBS DB STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

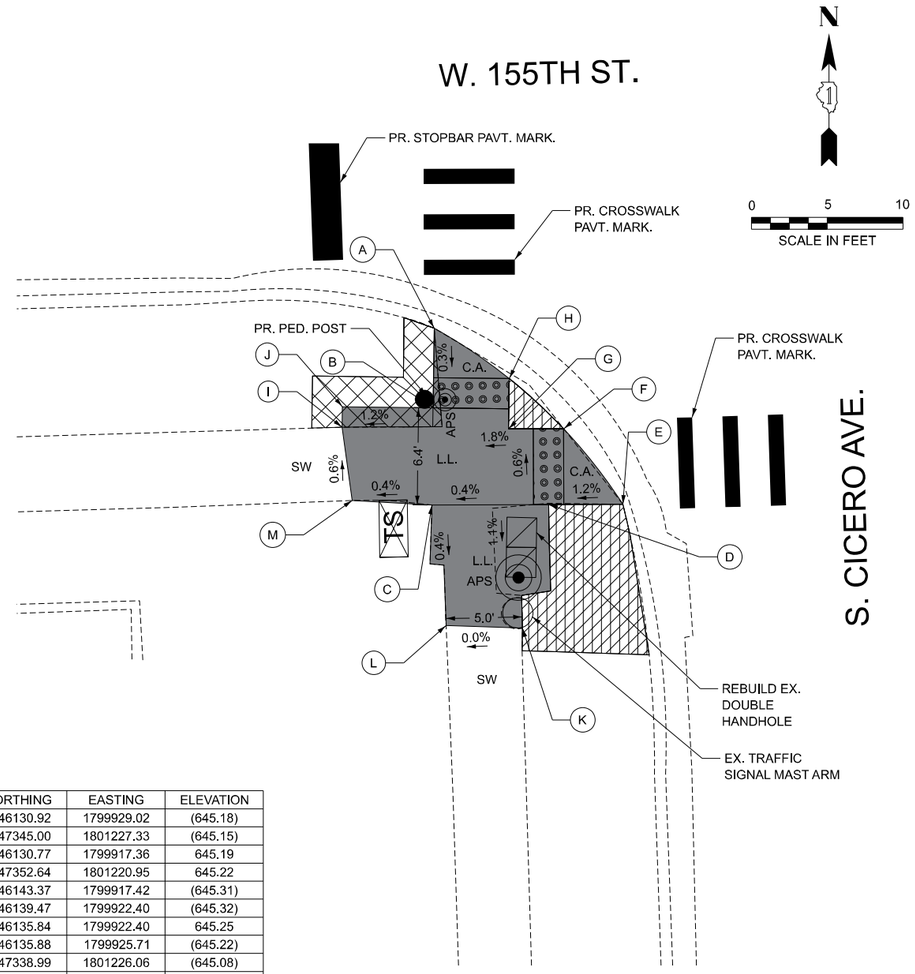
USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / in.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:41:32 PM	·	- 02/21/2025	·	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

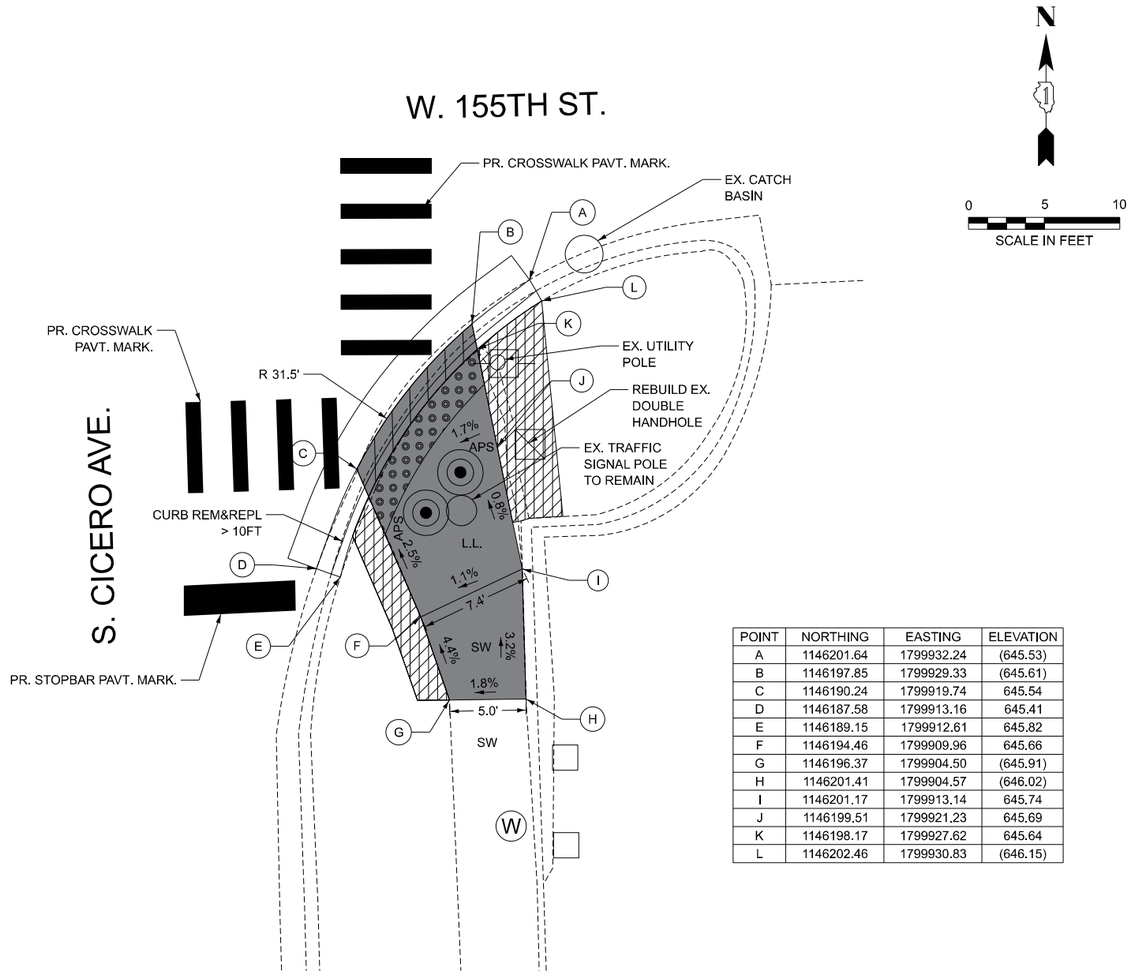
PROPOSED SIDEWALK PLAN
CICERO AVE – 157TH STREET NW & SW CORNERS

SCALE: 1" = 5' | SHEET 1 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	10
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	



POINT	NORTHING	EASTING	ELEVATION
A	1146130.92	1799929.02	(645.18)
B	1147345.00	1801227.33	(645.15)
C	1146130.77	1799917.36	645.19
D	1147352.64	1801220.95	645.22
E	1146143.37	1799917.42	(645.31)
F	1146139.47	1799922.40	(645.32)
G	1146135.84	1799922.40	645.25
H	1146135.88	1799925.71	(645.22)
I	1147338.99	1801226.06	(645.08)
J	1147345.85	1801212.97	645.07
K	1147350.90	1801212.80	(645.13)
L	1147339.66	1801221.22	(645.11)
M	1147339.66	1801221.22	(645.11)



POINT	NORTHING	EASTING	ELEVATION
A	1146201.64	1799932.24	(645.53)
B	1146197.85	1799929.33	(645.61)
C	1146190.24	1799919.74	645.54
D	1146187.58	1799913.16	645.41
E	1146189.15	1799912.61	645.82
F	1146194.46	1799909.96	645.66
G	1146196.37	1799904.50	(645.91)
H	1146201.41	1799904.57	(646.02)
I	1146201.17	1799913.14	645.74
J	1146199.51	1799921.23	645.69
K	1146198.17	1799927.62	645.64
L	1146202.46	1799930.83	(646.15)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
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LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

DBS STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.257.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / In.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:41:45 PM	·	- 02/21/2025	·	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

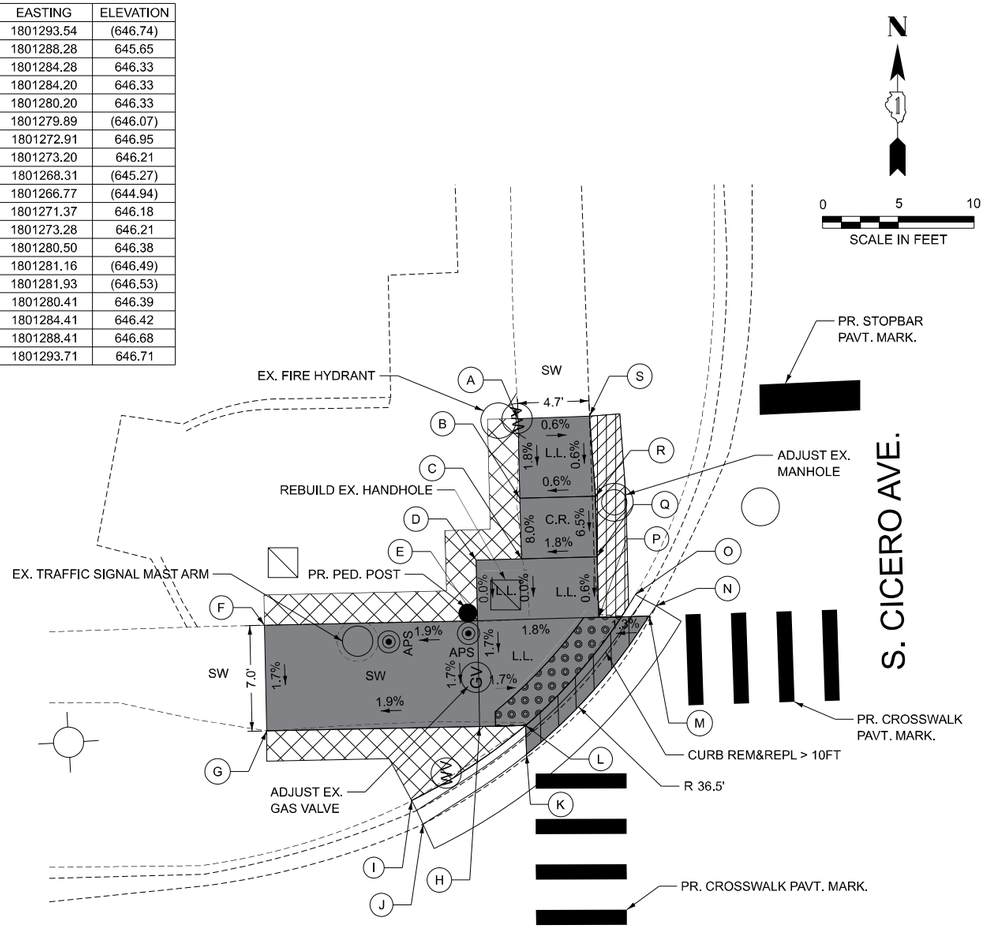
PROPOSED SIDEWALK PLAN
CICERO AVE – 155TH STREET SW & SE CORNERS

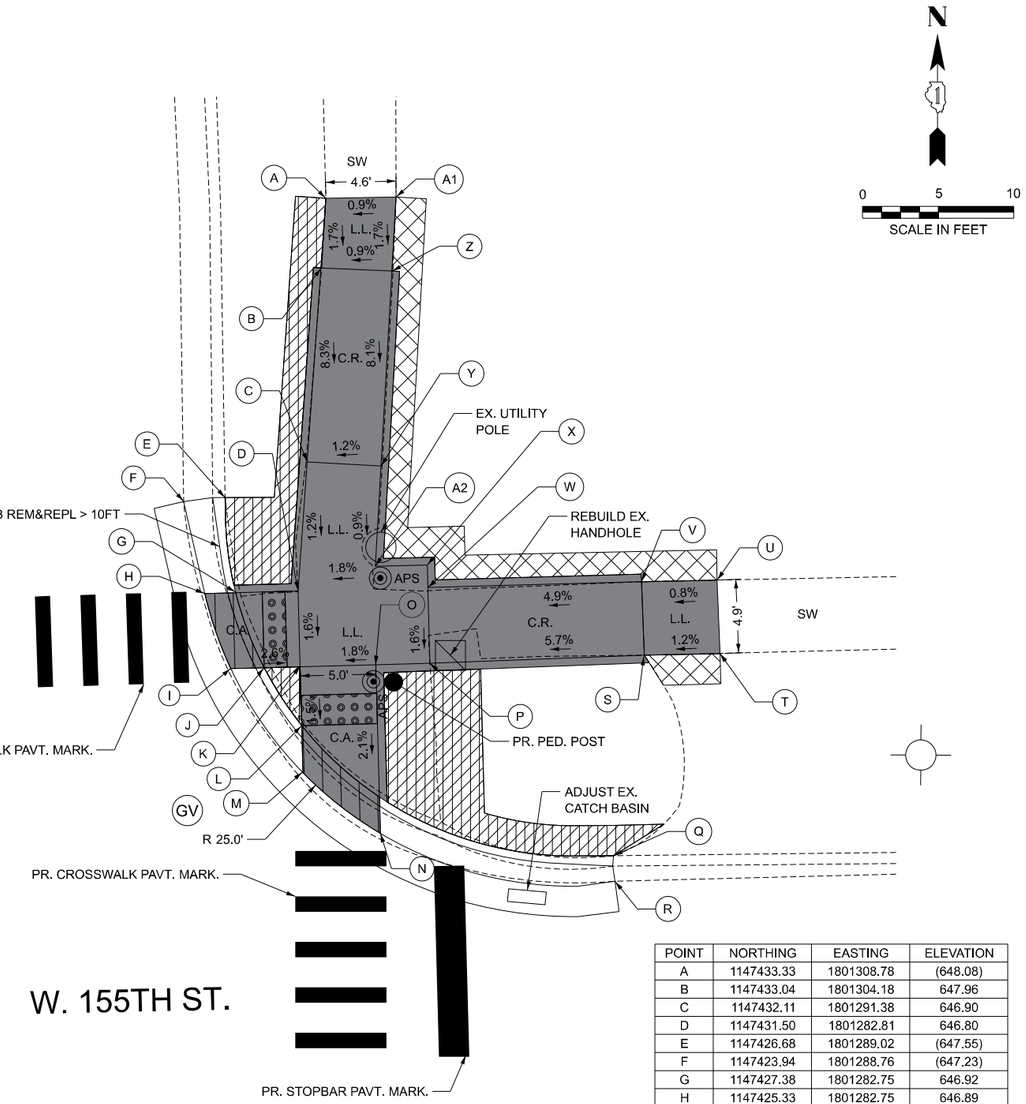
SCALE: 1" = 5' | SHEET 2 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	11
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw://dbsterlinnow.bentley.com:dbsterlinnow-01\Documents\Projects\PTB 209-017\Task-008\800 CADD Drawings\803 Civil\W. Cicero Ave\Sheets\62T20_SH_11_ADA TB.dgn

POINT	NORTHING	EASTING	ELEVATION
A	1147343.12	1801293.54	(646.74)
B	1147343.23	1801288.28	645.65
C	1147343.34	1801284.28	646.33
D	1147340.34	1801284.20	646.33
E	1147340.45	1801280.20	646.33
F	1147326.38	1801279.89	(646.07)
G	1147326.53	1801272.91	646.95
H	1147340.57	1801273.20	646.21
I	1147336.08	1801268.31	(645.27)
J	1147336.83	1801266.77	(644.94)
K	1147343.67	1801271.37	646.18
L	1147343.62	1801273.28	646.21
M	1147351.78	1801280.50	646.38
N	1147352.33	1801281.16	(646.49)
O	1147350.87	1801281.93	(646.53)
P	1147348.44	1801280.41	646.39
Q	1147348.33	1801284.41	646.42
R	1147348.23	1801288.41	646.68
S	1147347.83	1801293.71	646.71





POINT	NORTHING	EASTING	ELEVATION
A	1147433.33	1801308.78	(648.08)
B	1147433.04	1801304.18	647.96
C	1147432.11	1801291.38	646.90
D	1147431.50	1801282.81	646.80
E	1147426.68	1801289.02	(647.55)
F	1147423.94	1801288.76	(647.23)
G	1147427.38	1801282.75	646.92
H	1147425.33	1801282.75	646.89
I	1147427.06	1801277.74	646.75
J	1147429.26	1801277.79	646.78
K	1147431.64	1801277.86	646.72
L	1147431.64	1801273.97	646.66
M	1147431.83	1801270.87	(646.63)
N	1147436.94	1801266.86	646.60
O	1147436.61	1801277.99	646.81
P	1147440.20	1801278.08	646.87
Q	1147452.33	1801265.39	(647.65)
R	1147452.43	1801263.69	(646.28)
S	1147454.36	1801278.61	(647.68)
T	1147459.36	1801278.73	647.74
U	1147459.17	1801283.58	(647.68)
V	1147454.17	1801283.48	(647.64)
W	1147440.07	1801283.08	646.95
X	1147440.03	1801284.58	646.97
Y	1147436.97	1801291.10	646.96
Z	1147437.77	1801303.98	648.00
A1	1147437.98	1801308.86	(648.08)
A2	1147436.59	1801284.49	646.91

NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
6. A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".
7. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

LEGEND

XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
SW	SIDEWALK		SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
L.L.	LEVEL LANDING		DEPRESSED CURB & GUTTER
C.R.	CURB RAMP		STAMPED COLORED PCC SIDEWALK
T.P.	TRANSITION PANEL		
( )	EXISTING ELEVATION/SLOPE		
C.A.	CLEAR AREA		

DBS DB STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / In.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:41:57 PM	·	- 02/21/2025	·	-

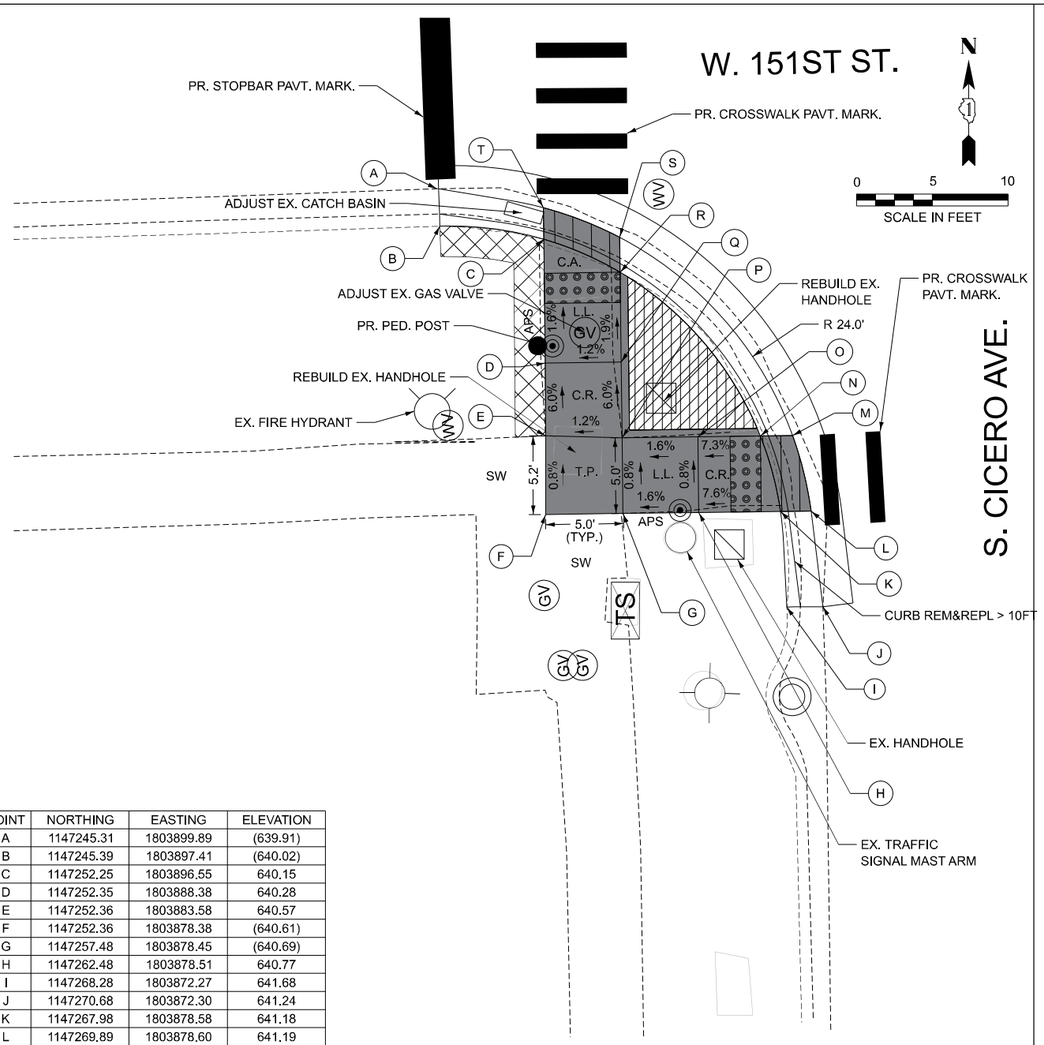
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

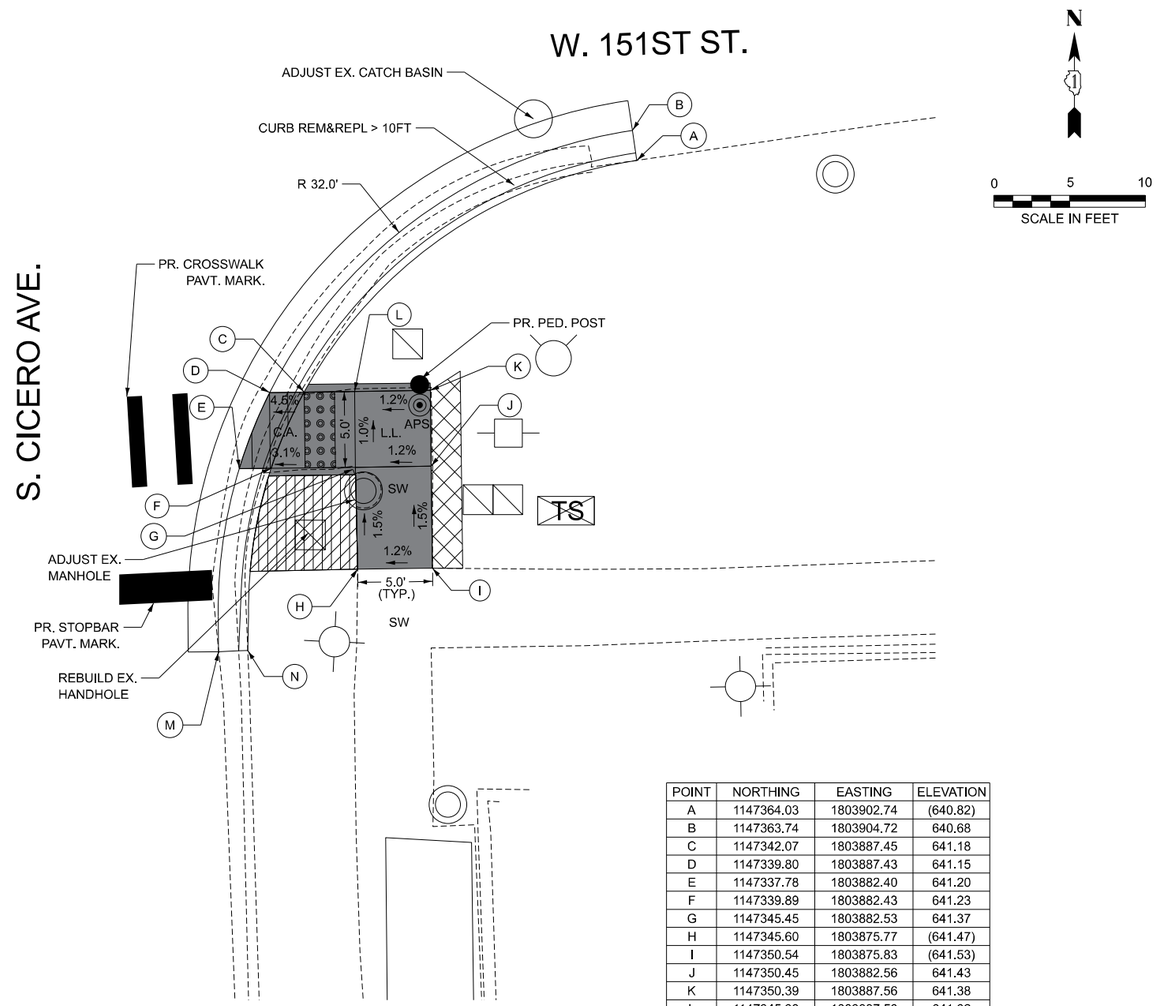
PROPOSED SIDEWALK PLAN
CICERO AVE – 155TH STREET NW & NE CORNERS

SCALE: 1" = 5' | SHEET 3 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	12
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw:\dbsterlin-pw.bentley.com:dbsterlin-pw-02\Documents\Projects\PTB 203+017\Task 4068000 CADD Drawings\603 CWNW, Cicero Ave.\Sheets\62T20_sht_12_ADA 7A.dgn





POINT	NORTHING	EASTING	ELEVATION
A	1147245.31	1803899.89	(639.91)
B	1147245.39	1803897.41	(640.02)
C	1147252.25	1803896.55	640.15
D	1147252.35	1803888.38	640.28
E	1147252.36	1803883.58	640.57
F	1147252.36	1803878.38	(640.61)
G	1147257.48	1803878.45	(640.69)
H	1147262.48	1803878.51	640.77
I	1147268.28	1803872.27	641.68
J	1147270.68	1803872.30	641.24
K	1147267.98	1803878.58	641.18
L	1147269.89	1803878.60	641.19
M	1147268.67	1803883.59	641.05
N	1147266.54	1803883.56	641.01
O	1147262.42	1803883.51	640.71
P	1147257.42	1803883.45	640.63
Q	1147257.35	1803888.44	640.34
R	1147257.26	1803894.37	640.23
S	1147257.25	1803896.68	640.20
T	1147252.22	1803898.63	640.12

POINT	NORTHING	EASTING	ELEVATION
A	1147364.03	1803902.74	(640.82)
B	1147363.74	1803904.72	640.68
C	1147342.07	1803887.45	641.18
D	1147339.80	1803887.43	641.15
E	1147337.78	1803882.40	641.20
F	1147339.89	1803882.43	641.23
G	1147345.45	1803882.53	641.37
H	1147345.60	1803875.77	(641.47)
I	1147350.54	1803875.83	(641.53)
J	1147350.45	1803882.56	641.43
K	1147350.39	1803887.56	641.38
L	1147345.39	1803887.50	641.32
M	1147336.42	1803870.32	(641.79)
N	1147338.35	1803870.39	(641.63)

NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
6. A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".
7. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

DBS STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / In.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:42:11 PM	·	- 02/21/2025	·	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

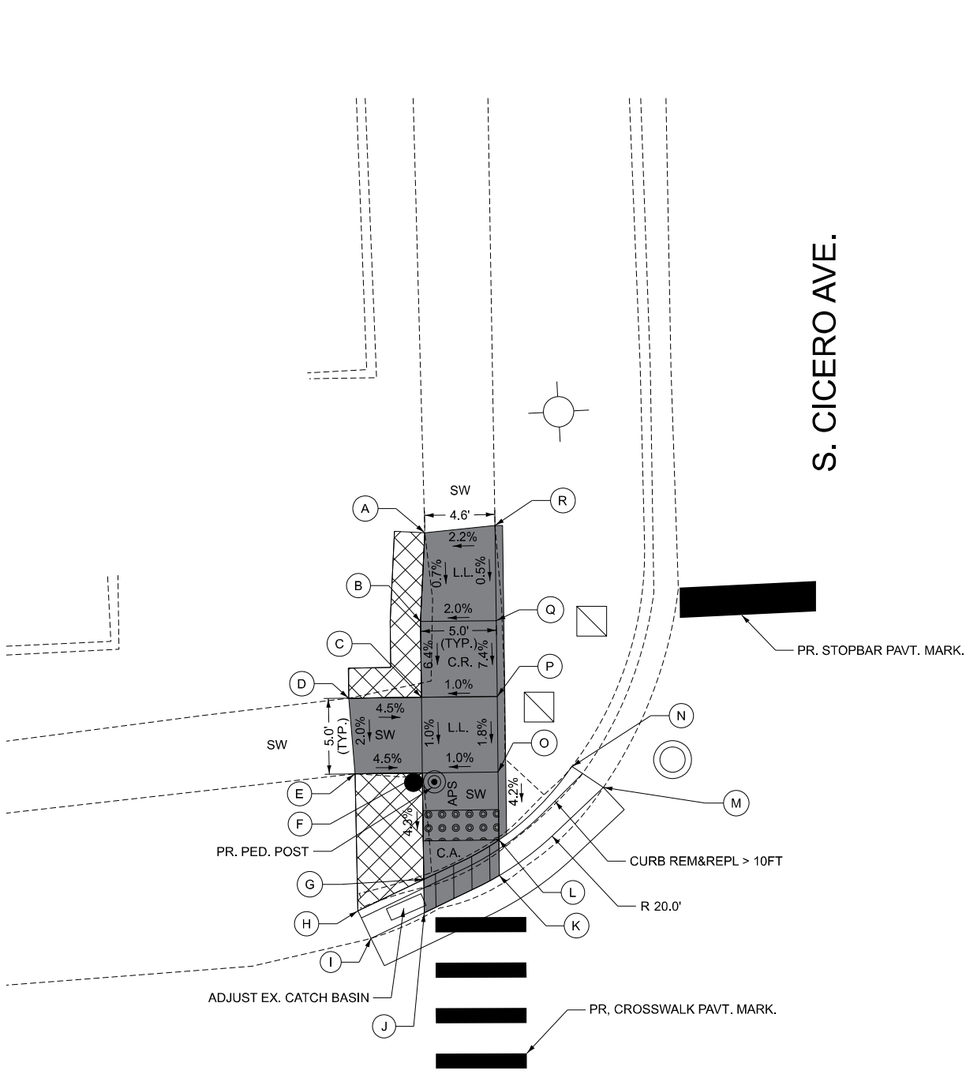
PROPOSED SIDEWALK PLAN
CICERO AVE – 151ST STREET SW & SE CORNERS

SCALE: 1" = 5' | SHEET 4 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	13
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw://dbsterlin-ow.bentley.com:dbsterlin-ow2-1\Documents\Projects\PTB 203\317\Task-008\600 CADD Drawings\603 Civil\W. Cicero Ave\Sheets\62T20_sht_13_ADA 108.dgn

POINT	NORTHING	EASTING	ELEVATION
A	1147250.94	1803958.91	(640.54)
B	1147250.66	1803953.03	640.50
C	1147250.72	1803948.03	640.18
D	1147245.91	1803947.97	(640.13)
E	1147246.33	1803942.99	(640.33)
F	1147250.79	1803943.03	640.13
G	1147250.88	1803936.01	639.83
H	1147246.53	1803933.93	(639.77)
I	1147247.40	1803932.13	(639.60)
J	1147250.90	1803933.81	639.80
K	1147255.87	1803936.28	639.90
L	1147255.84	1803938.63	639.95
M	1147262.73	1803942.09	(640.57)
N	1147260.66	1803943.47	(640.79)
O	1147255.79	1803943.10	640.14
P	1147255.72	1803948.10	640.23
Q	1147255.66	1803953.10	640.60
R	1147255.58	1803959.38	(640.64)



NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
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LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA

	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

FILE NAME: pw:\\dbsterlin-pw.bentley.com:dbsterlin-pw-01\Documents\Projects\PTB 209-017\Task-008\800 CADD Drawings\803 Civil\W. Cicero Ave.\Sheets\62T20_sht_14_ADA 10A.dgn

DBS | DB STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / In.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:42:23 PM	·	- 02/21/2025	·	-

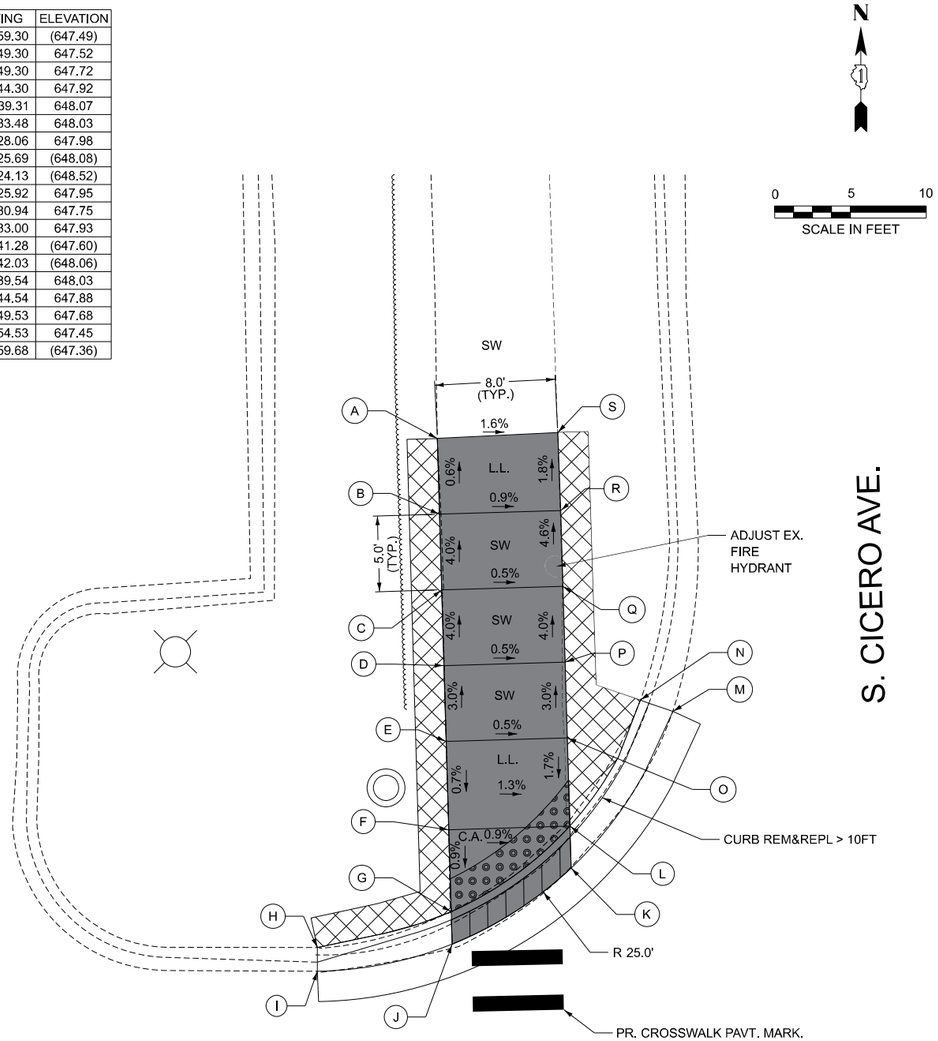
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIDEWALK PLAN
CICERO AVE – 151ST STREET NW CORNER

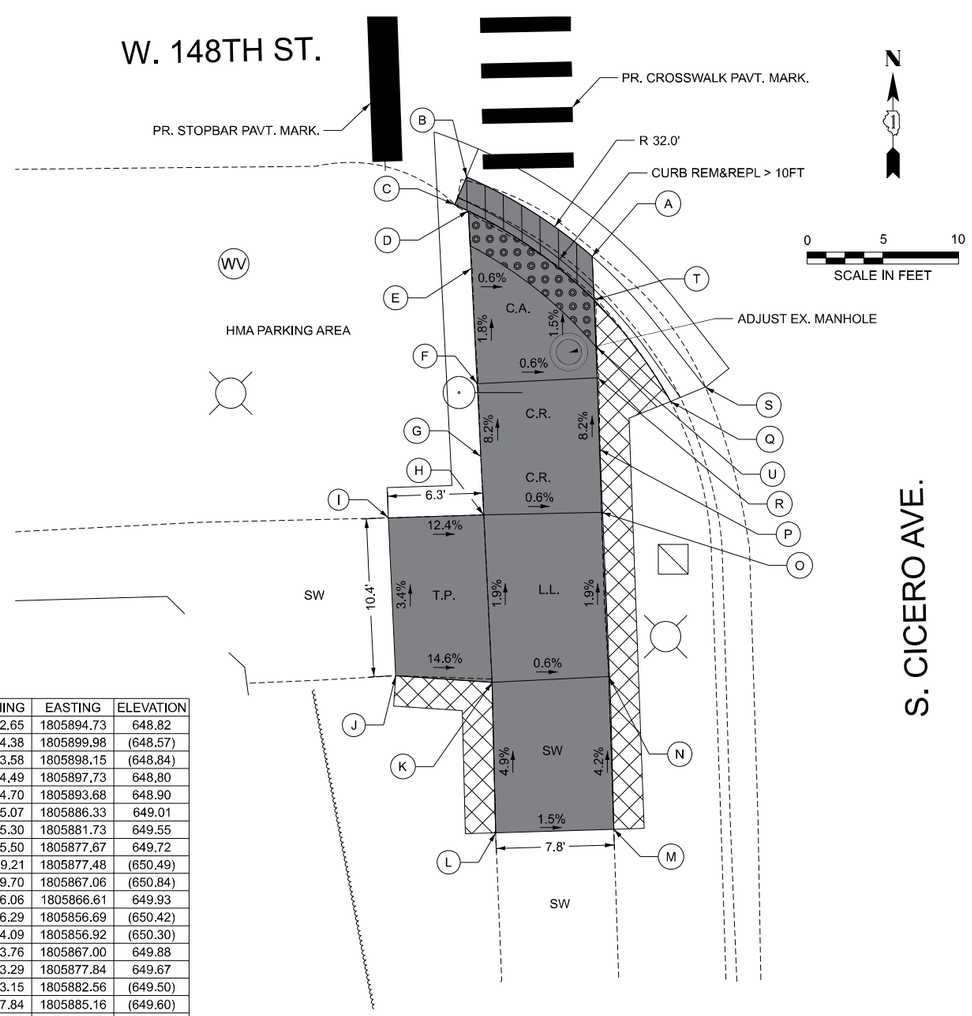
SCALE: 1" = 5' | SHEET 5 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	14
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

POINT	NORTHING	EASTING	ELEVATION
A	1147182.68	1805959.30	(647.49)
B	1147182.97	1805949.30	647.52
C	1147182.97	1805949.30	647.72
D	1147183.12	1805944.30	647.92
E	1147183.27	1805939.31	648.07
F	1147183.43	1805933.48	648.03
G	1147183.59	1805928.06	647.98
H	1147174.74	1805925.69	(648.08)
I	1147174.77	1805924.13	(648.52)
J	1147183.65	1805925.92	647.95
K	1147191.51	1805930.94	647.75
L	1147191.45	1805933.00	647.93
M	1147198.23	1805941.28	(647.60)
N	1147196.08	1805942.03	(648.06)
O	1147191.26	1805939.54	648.03
P	1147191.11	1805944.54	647.88
Q	1147190.97	1805949.53	647.68
R	1147190.82	1805954.53	647.45
S	1147190.63	1805959.68	(647.36)



W. 148TH ST.



POINT	NORTHING	EASTING	ELEVATION
A	1147192.65	1805894.73	648.82
B	1147184.38	1805899.98	(648.57)
C	1147183.58	1805898.15	(648.84)
D	1147184.49	1805897.73	648.80
E	1147184.70	1805893.68	648.90
F	1147185.07	1805886.33	649.01
G	1147185.30	1805881.73	649.55
H	1147185.50	1805877.67	649.72
I	1147179.21	1805877.48	(650.49)
J	1147179.70	1805867.06	(650.84)
K	1147186.06	1805866.61	649.93
L	1147186.29	1805856.69	(650.42)
M	1147194.09	1805856.92	(650.30)
N	1147193.76	1805867.00	649.88
O	1147193.29	1805877.84	649.67
P	1147193.15	1805882.56	(649.50)
Q	1147197.84	1805885.16	(649.60)
R	1147193.02	1805886.74	648.94
S	1147200.14	1805886.10	(641.01)
T	1147192.80	1805891.86	648.85
U	1147192.96	1805888.74	648.88

NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
6. A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".
7. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

DBS | DB STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / In.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:42:36 PM	·	- 02/21/2025	·	-

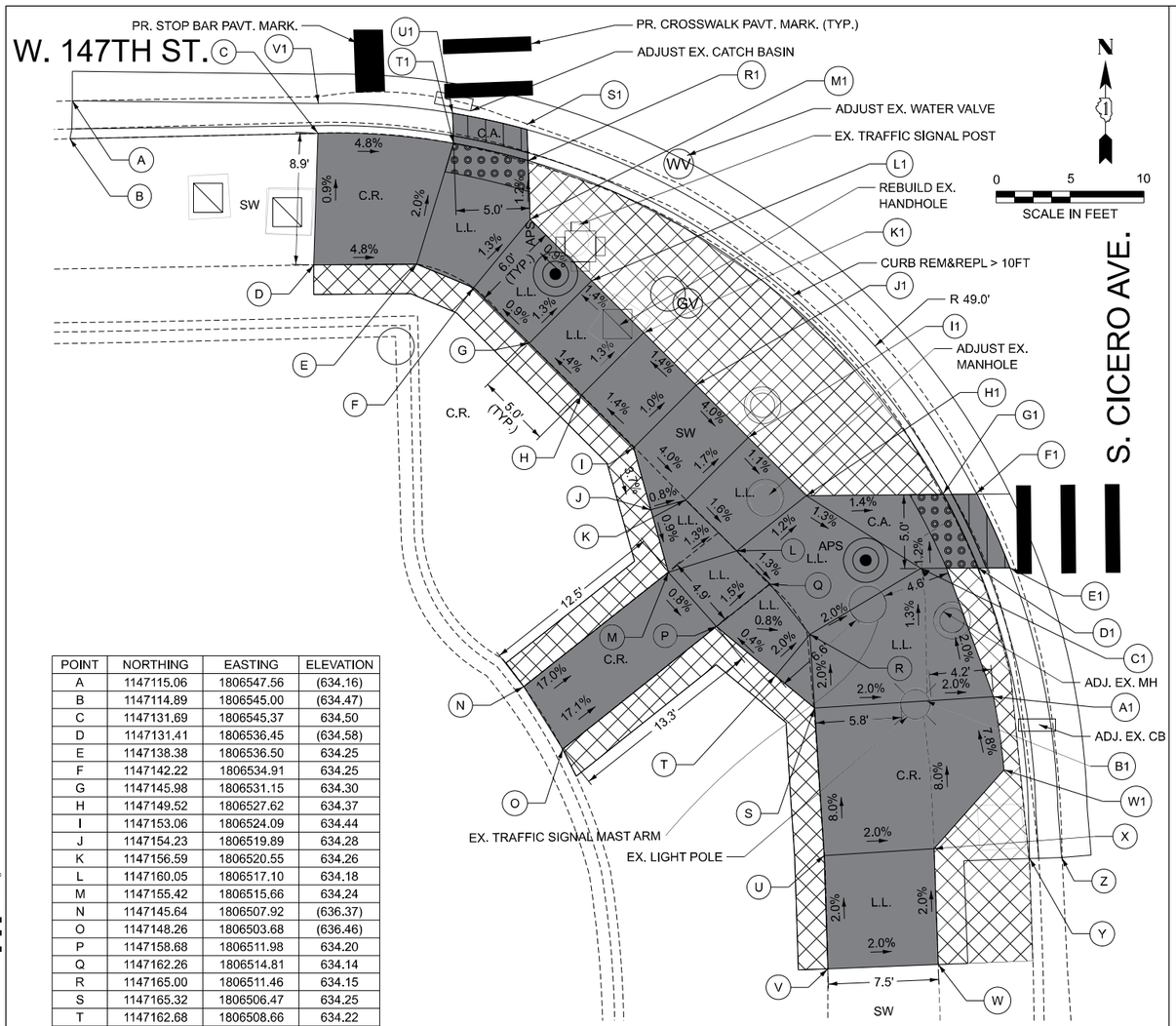
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

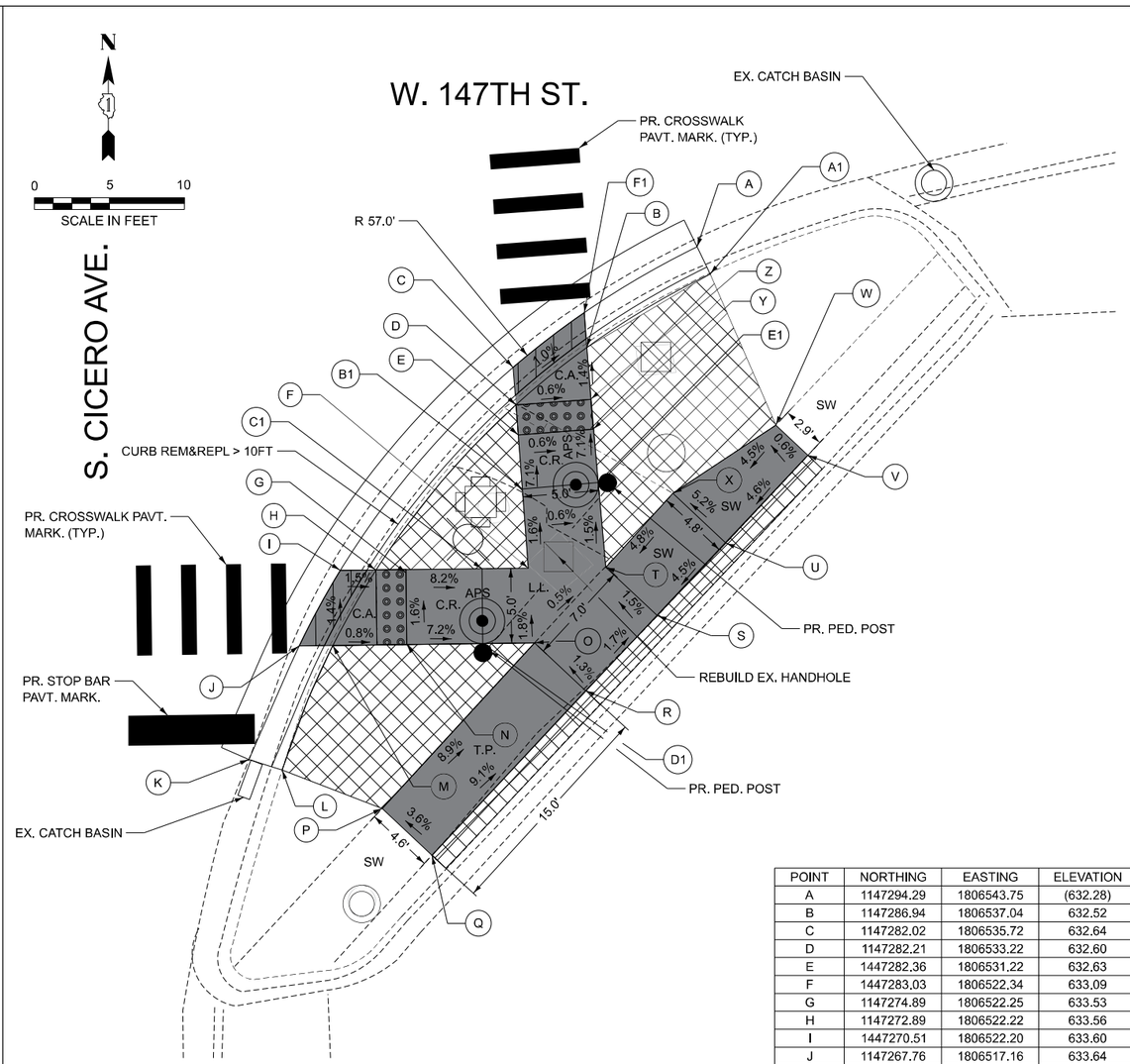
PROPOSED SIDEWALK PLAN
CICERO AVE – 148TH STREET NW & SW CORNERS

SCALE: 1" = 5' | SHEET 6 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	15
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw://dbsterlin-nowJoinVpy.com:dbsterlin-now2:1:\Documents\Projects\PTB 203\0177\Task\008\600 CADD Drawings\600 Civil\W. Cicero Ave\Sheets\62T20_sht_15_ADA 12.dgn





POINT	NORTHING	EASTING	ELEVATION
A	1147115.06	1806547.56	(634.16)
B	1147114.89	1806545.00	(634.47)
C	1147131.69	1806545.37	634.50
D	1147131.41	1806536.45	(634.58)
E	1147138.38	1806536.50	634.25
F	1147142.22	1806534.91	634.25
G	1147145.98	1806531.15	634.30
H	1147149.52	1806527.62	634.37
I	1147153.06	1806524.09	634.44
J	1147154.23	1806519.89	634.28
K	1147156.59	1806520.55	634.26
L	1147160.05	1806517.10	634.18
M	1147155.42	1806515.66	634.24
N	1147145.64	1806507.92	(636.37)
O	1147148.26	1806503.68	(636.46)
P	1147158.68	1806511.98	634.20
Q	1147162.26	1806514.81	634.14
R	1147165.00	1806511.46	634.15
S	1147165.32	1806506.47	634.25
T	1147162.68	1806508.66	634.22
U	1147165.97	1806496.49	635.05
V	1147166.21	1806488.81	(635.20)
W	1147173.69	1806489.11	(635.05)
X	1147173.40	1806496.96	634.90
Y	1147179.87	1806496.29	(634.46)
Z	1147182.05	1806496.35	(634.08)
A1	1147177.43	1806507.23	634.01
B1	1147172.87	1806506.95	634.10
C1	1147172.50	1806515.91	633.98
D1	1147176.40	1806515.95	633,92
E1	1147178.54	1806515.97	633.89
F1	1147176.30	1806520.95	(633.97)
G1	1147174.04	1806520.93	633.98
H1	1147164.77	1806520.84	634.10
I1	1147160.83	1806524.79	634.16
J1	1147157.29	1806528.32	634.36
K1	1147153.76	1806531.86	634.29
L1	1147150.23	1806535.40	634.22
M1	1147146.06	1806539.56	634.17
R1	1147145.92	1806543.52	634.12
S1	1147145.85	1806545.62	634.09
T1	1147140.88	1806544.69	634.08
U1	1147140.80	1806546.73	634.05
V1	1147131.72	1806547.38	634.09
W1	1147178.13	1806502.30	634.40

POINT	NORTHING	EASTING	ELEVATION
A	1147294.29	1806543.75	(632.28)
B	1147286.94	1806537.04	632.52
C	1147282.02	1806535.72	632.64
D	1147282.21	1806533.22	632.60
E	1447282.36	1806531.22	632.63
F	1447283.03	1806522.34	633.09
G	1147274.89	1806522.25	633.53
H	1147272.89	1806522.22	633.56
I	1447270.51	1806522.20	633.60
J	1147267.76	1806517.16	633.64
K	1147264.42	1806509.59	(633.54)
L	1147266.63	1806508.89	(634.10)
M	1447270.00	1806517.19	633.60
N	1147275.00	1806517.25	633.56
O	1447283.45	1806517.36	633,18
P	1447273.29	1806506.32	(634.52)
Q	1147276.62	1806503.21	(634.62)
R	1147286.86	1806514.17	633.25
S	1147291.65	1806519.16	633.13
T	1147288.20	1806522.40	633.06
U	1147296.20	1806524.01	633.43
V	1147301.68	1806529.87	(633.80)
W	1147299.55	1806531.86	(633.70)
X	1147292.67	1806527.32	633.38
Y	1147287.38	1806531.61	632.60
Z	1147287.20	1806533.59	632.57
A1	1147295.16	1806541.95	(632.73)
B1	1147282.64	1806527.62	633.05
C1	1147279.95	1806522.30	633.12
D1	1147280.00	180651732	633.20
E1	1147287.70	1806528.05	633.02
F1	1147286.76	1806539.36	632.56

NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
6. A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".
7. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

DBS STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.257.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / in.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:42:48 PM	·	- 02/21/2025	·	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIDEWALK PLAN
CICERO AVE – 147TH STREET SW & SE CORNERS

SCALE: 1" = 5' | SHEET 7 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	16
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

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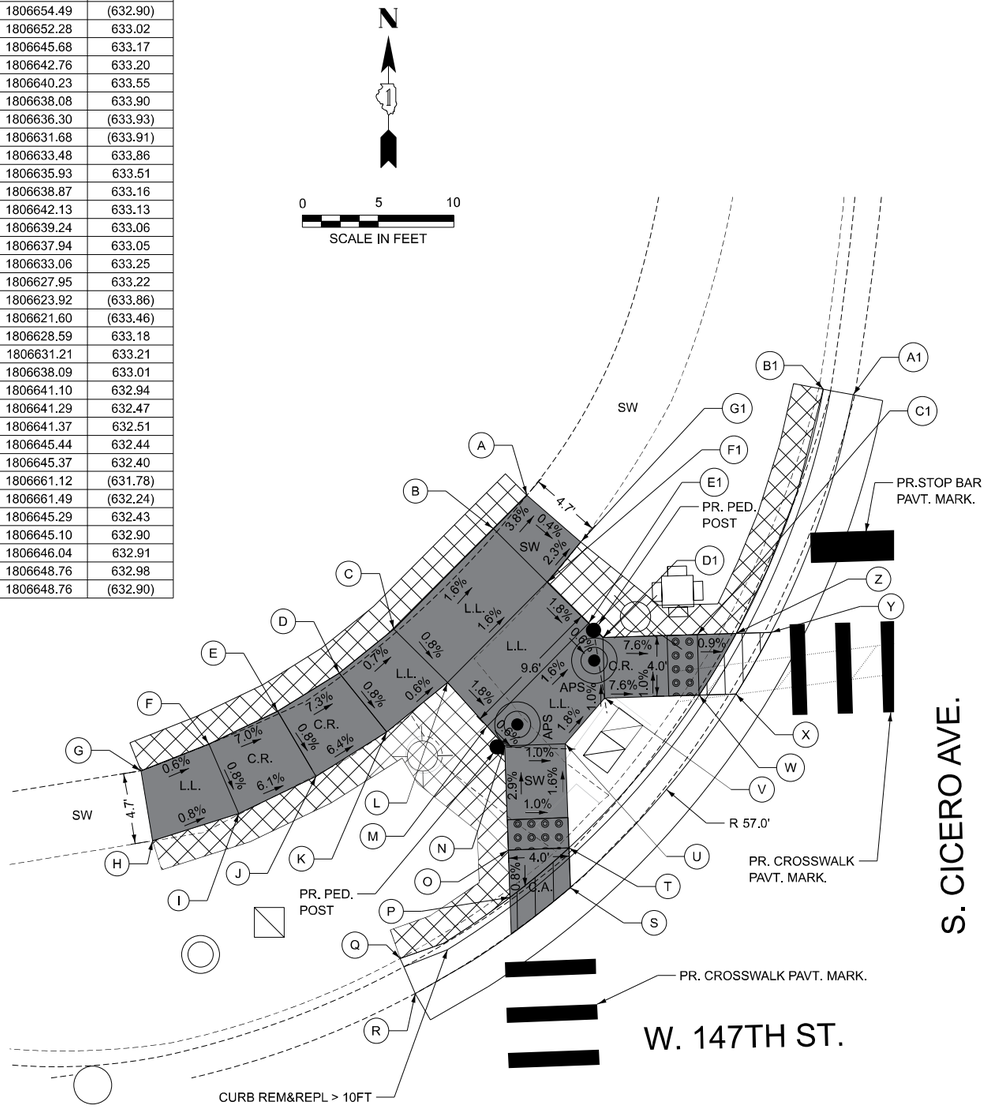
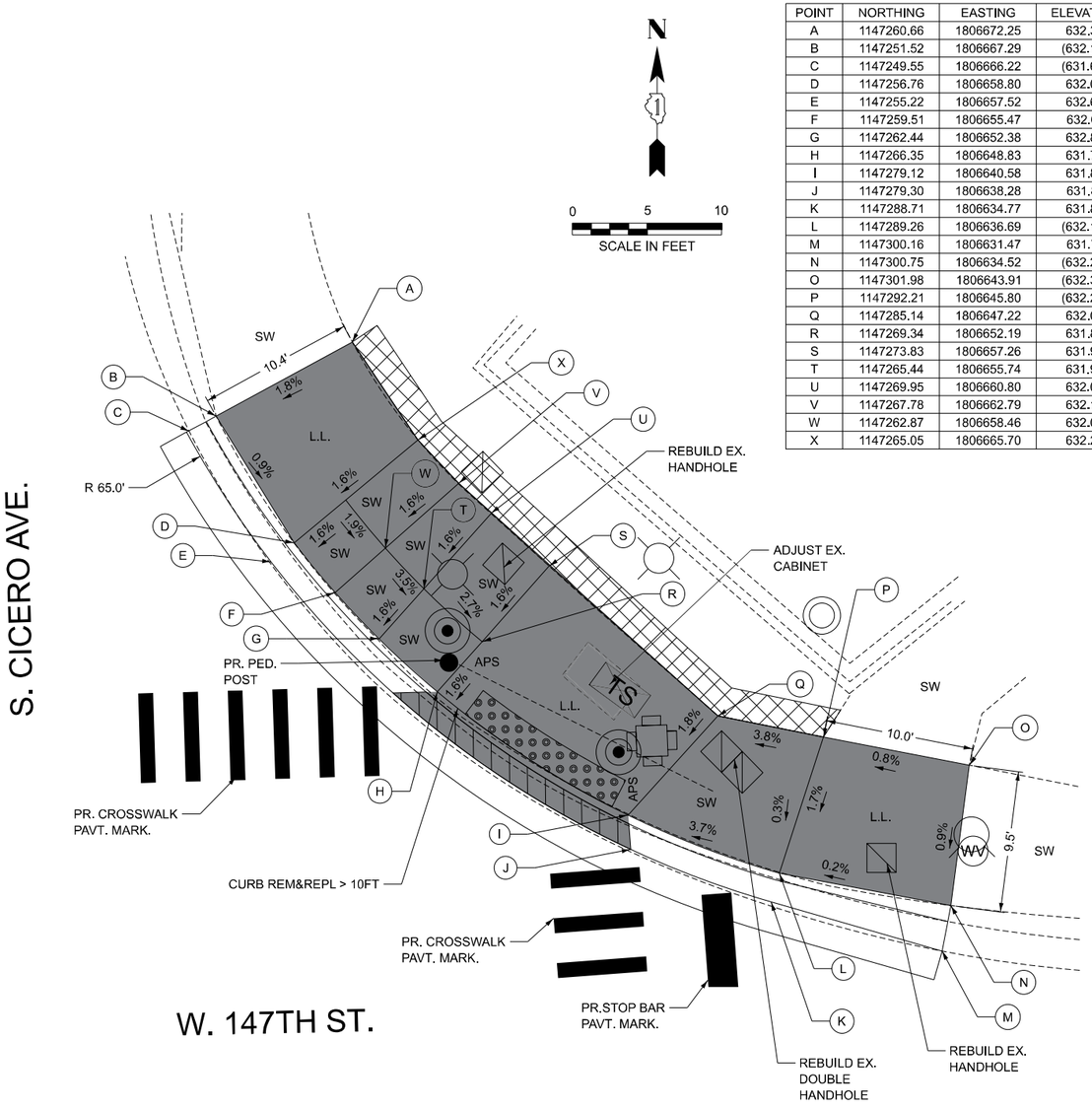
POINT	NORTHING	EASTING	ELEVATION
A	1147139.01	1806654.49	(632.90)
B	1147136.79	1806652.28	633.02
C	1147130.24	1806645.68	633.17
D	1147126.61	1806642.76	633.20
E	1147122.55	1806640.23	633.55
F	1147118.02	1806638.08	633.90
G	1147113.52	1806636.30	(633.93)
H	1147114.29	1806631.68	(633.91)
I	1147120.00	1806633.48	633.86
J	1147125.10	1806635.93	633.51
K	1147129.76	1806638.87	633.16
L	1147133.77	1806642.13	633.13
M	1147136.37	1806639.24	633.06
N	1147137.54	1806637.94	633.05
O	1147137.71	1806633.06	633.25
P	1147137.90	1806627.95	633.22
Q	1147130.65	1806623.92	(633.86)
R	1147131.64	1806621.60	(633.46)
S	1147141.88	1806628.59	633.18
T	1147141.78	1806631.21	633.21
U	1147141.54	1806638.09	633.01
V	1147144.16	1806641.10	632.94
W	1147150.38	1806641.29	632.47
X	1147152.81	1806641.37	632.51
Y	1147155.14	1806645.44	632.44
Z	1147152.83	1806645.37	632.40
A1	1147160.54	1806661.12	(631.78)
B1	1147158.58	1806661.49	(632.24)
C1	1147150.26	1806645.29	632.43
D1	1147144.03	1806645.10	632.90
E1	1147143.08	1806646.04	632.91
F1	1147140.34	1806648.76	632.98
G1	1147142.56	1806648.76	(632.90)



POINT	NORTHING	EASTING	ELEVATION
A	1147260.66	1806672.25	632.36
B	1147251.52	1806667.29	(632.18)
C	1147249.55	1806666.22	(631.65)
D	1147256.76	1806658.80	632.09
E	1147255.22	1806657.52	632.68
F	1147259.51	1806655.47	632.01
G	1147262.44	1806652.38	632.88
H	1147266.35	1806648.83	631.76
I	1147279.12	1806640.58	631.84
J	1147279.30	1806638.28	631.81
K	1147288.71	1806634.77	631.83
L	1147289.26	1806636.69	(632.14)
M	1147300.16	1806631.47	631.71
N	1147300.75	1806634.52	(632.26)
O	1147301.98	1806643.91	(632.35)
P	1147292.21	1806645.80	(632.27)
Q	1147285.14	1806647.22	632.00
R	1147269.34	1806652.19	631.83
S	1147273.83	1806657.26	631.90
T	1147265.44	1806655.74	631.95
U	1147269.95	1806660.80	632.05
V	1147267.78	1806662.79	632.18
W	1147262.87	1806658.46	632.08
X	1147265.05	1806665.70	632.26



NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
2. PROPOSED RAMPS MUST MEET ADA/PROWAG STANDARDS.
3. ALL PEDESTRIAN PUSH-BUTTON LOCATION SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
4. THE LOCATION OF THE PEDESTRIAN PUSH-BUTTON MUST BE PARALLEL TO THE CROSSWALK.
5. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION.
6. A PEDESTRIAN PUSH-BUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSH-BUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNALS".
7. IF PEDESTRIAN PUSH-BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

LEGEND

XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
SW	SIDEWALK
L.L.	LEVEL LANDING
C.R.	CURB RAMP
T.P.	TRANSITION PANEL
( )	EXISTING ELEVATION/SLOPE
C.A.	CLEAR AREA
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVED REPLACE W/ TOPSOIL & SOD
	DEPRESSED CURB & GUTTER
	STAMPED COLORED PCC SIDEWALK

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DBS STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME	= dsanchez	DESIGNED	- SMM	·	-
PLOT SCALE	= 10.000 ' / In.	DRAWN	- DS	·	-
PLOT DATE	= 3/3/2025	CHECKED	- DC	·	-
PLOT TIME	= 6:43:03 PM	·	- 02/21/2025	·	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIDEWALK PLAN
CICERO AVE – 147TH STREET NW & NE CORNERS

SCALE: 1" = 5' | SHEET 8 OF 8 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	17
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.

3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

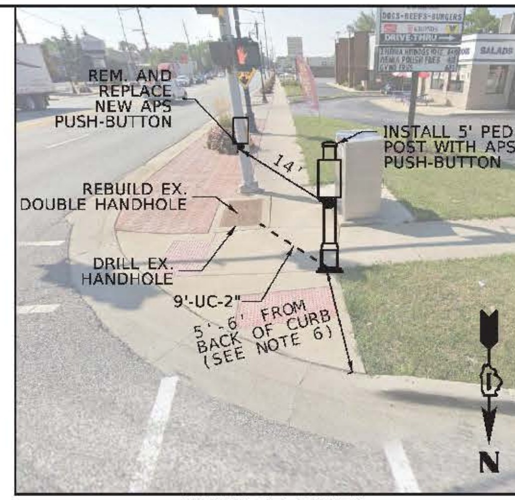
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

5. ALL PUSH BUTTONS SHALL BE APS.

6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM FACE OF CURB.

7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

8. A PACE PERMIT PROJECT IS CURRENTLY UPGRADING THIS INTERSECTION TO TRANIST SIGNAL PRIORITY (TSP). TSP IMPROVEMENTS ARE NOT EXPECTED TO IMPACT IMRPOVEMENTS SHOWN IN THESE PLANS. ADDITIONAL TRAFFIC SIGNAL EQUIPMENT AND CABLES SHOULD BE EXPECTED AT THIS INTERSECTION.



SOUTHWEST CORNER

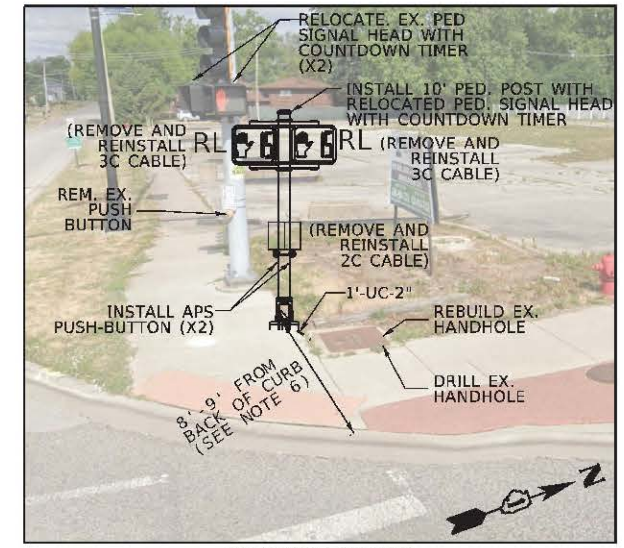
REMOVAL AND RELOCATION NOTES:

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

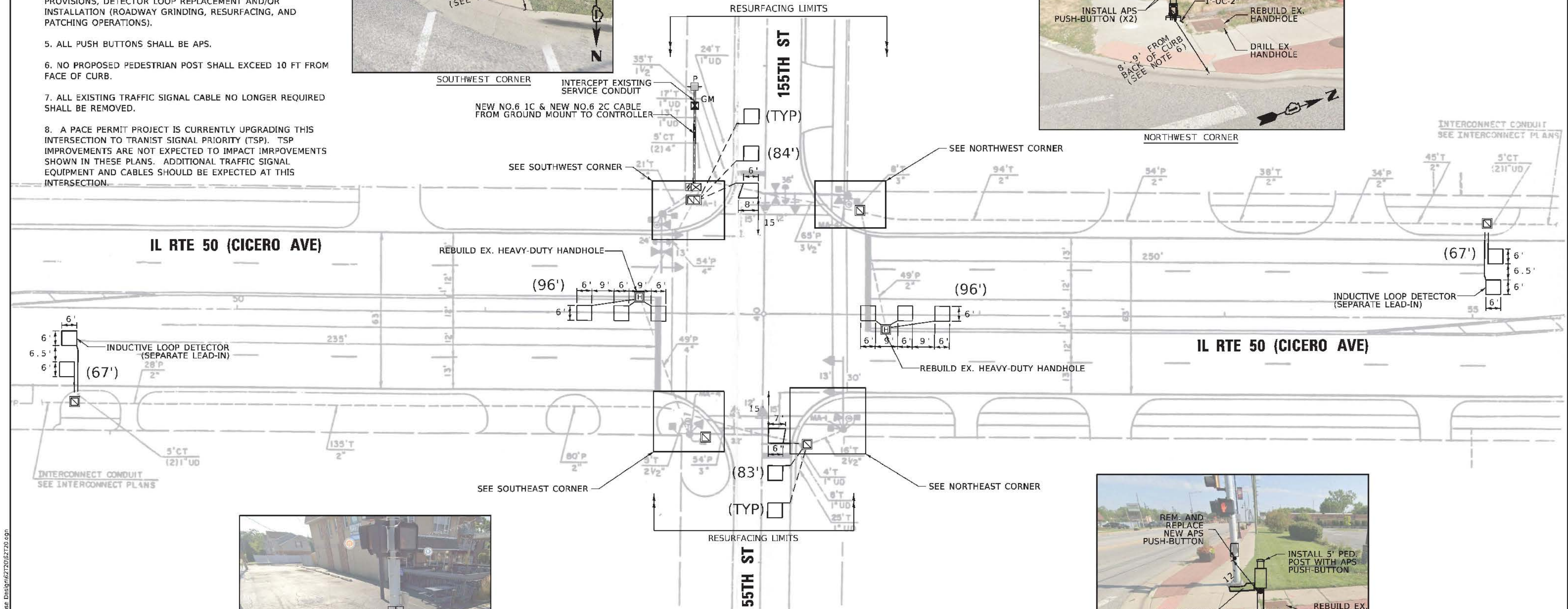
4 EACH PEDESTRIAN PUSH-BUTTON
1 EACH SERVICE INSTALLATION, POLE MOUNT

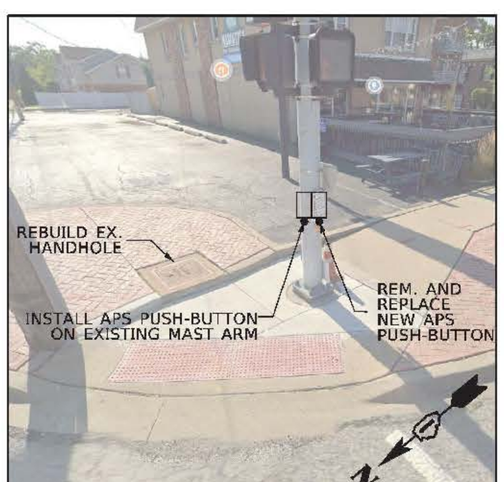
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED 10 FT POST

2 EACH PEDESTRIAN SIGNAL HEAD

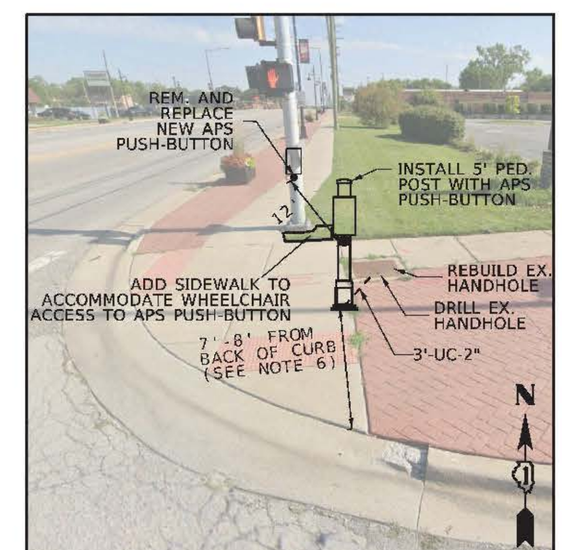


NORTHWEST CORNER





SOUTHEAST CORNER



NORTHEAST CORNER

TS 2575
ECON 135
PACE TSP

MODEL: Default
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USER NAME = Zebadiah.Hnerbert	DESIGNED - J.LARSON	REVISED -
	DRAWN - J.LARSON	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2025	DATE - 10/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

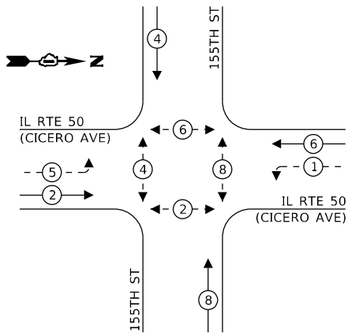
TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 50 (CICERO AVE) AND 155TH ST

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

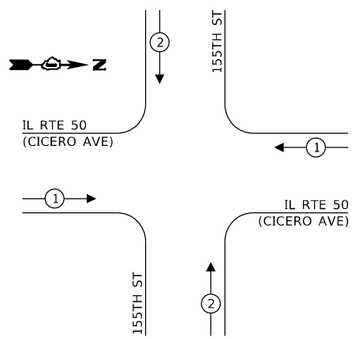
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	18

CONTRACT NO. 62T20
ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	13
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	529
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	763
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	34
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	62
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	3
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	493
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	84
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT	EACH	2
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	2
REBUILD EXISTING DOUBLE HANDHOLE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNAL	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

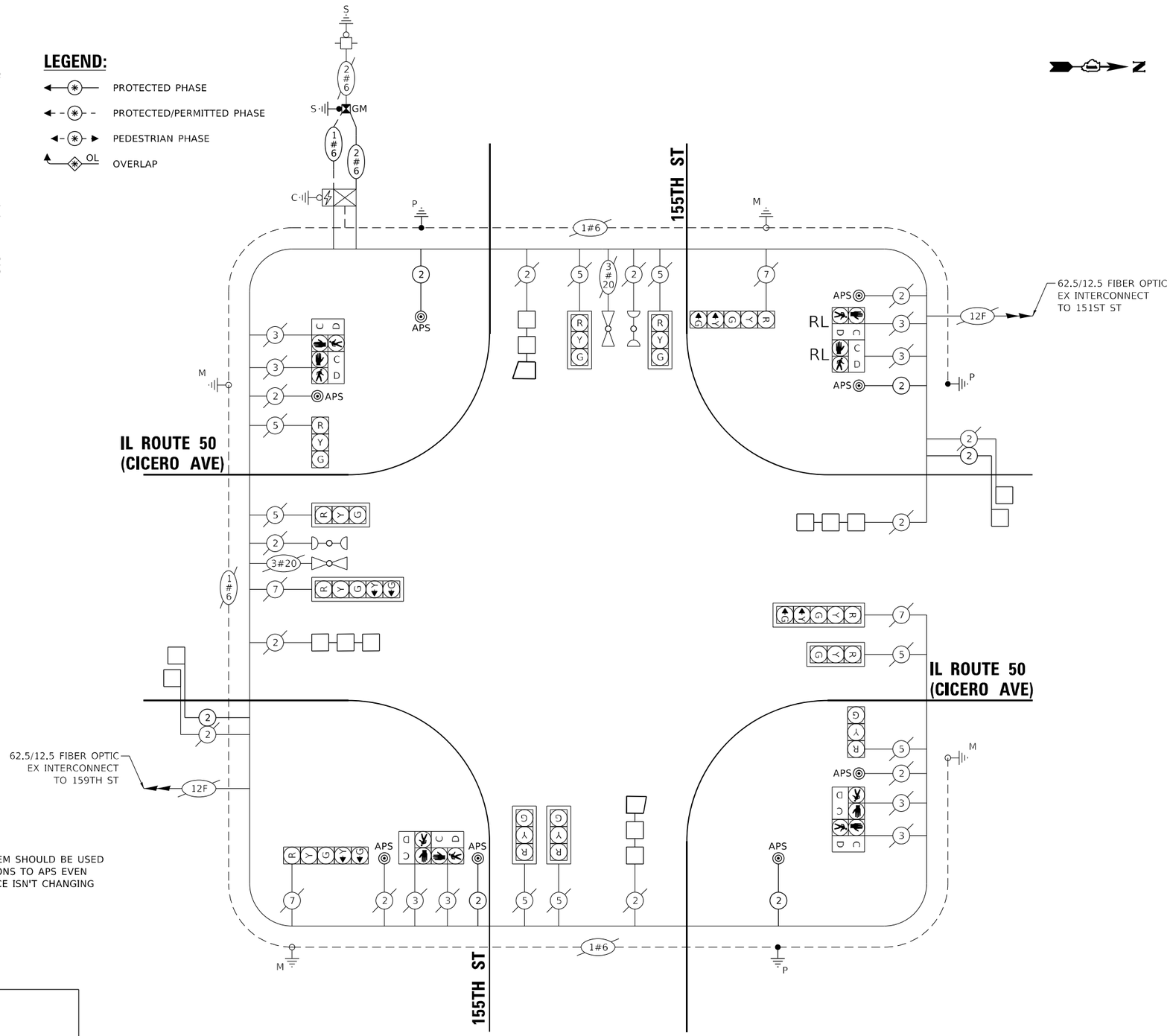
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			435
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			1040

NOTES:

1. MODIFY EXISTING CONTROLLER PAY ITEM SHOULD BE USED WHEN SWITCHING DUAL CALL PUSHBUTTONS TO APS EVEN THOUGH EXISTING CONTROLLER SEQUENCE ISN'T CHANGING

ENERGY COSTS TO:
CITY OF OAK FOREST
15440 S. CENTRAL AVE
OAK FOREST, IL 60452

ENERGY SUPPLY: CONTACT: PAUL EDWARDS
PHONE: 773-573-8637
COMPANY: COMED
ACCOUNT NUMBER: ---
METER NUMBER: ---



CABLE PLAN

TS 2575
ECON 135
PACE TSP

MODEL: Default
FILE NAME: \\Illinois.gov\DOT\D1\Shared\D1OPR\TPE\Mgr\1Conv\JNDesign\JDL102 InHouse Design\62T20\62T20.dgn

USER NAME = Zebadiah.Hoerbert	DESIGNED - J.LARSON	REVISED -
	DRAWN - J.LARSON	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2025	DATE - 10/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 50 (CICERO AVE) AND 155TH ST

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	19
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.

3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

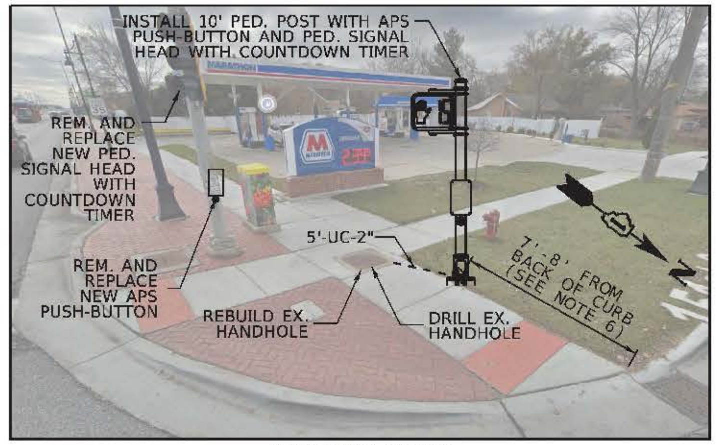
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

5. ALL PUSH BUTTONS SHALL BE APS.

6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM FACE OF CURB.

7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

8. A PACE PERMIT PROJECT IS CURRENTLY UPGRADING THIS INTERSECTION TO TRANIST SIGNAL PRIORITY (TSP). TSP IMPROVEMENTS ARE NOT EXPECTED TO IMPACT IMRPOVEMENTS SHOWN IN THESE PLANS. ADDITIONAL TRAFFIC SIGNAL EQUIPMENT AND CABLES SHOULD BE EXPECTED AT THIS INTERSECTION.

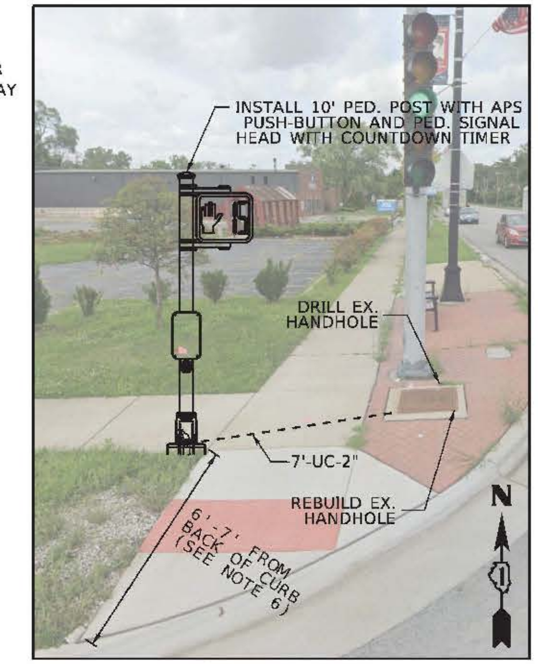


SOUTHWEST CORNER

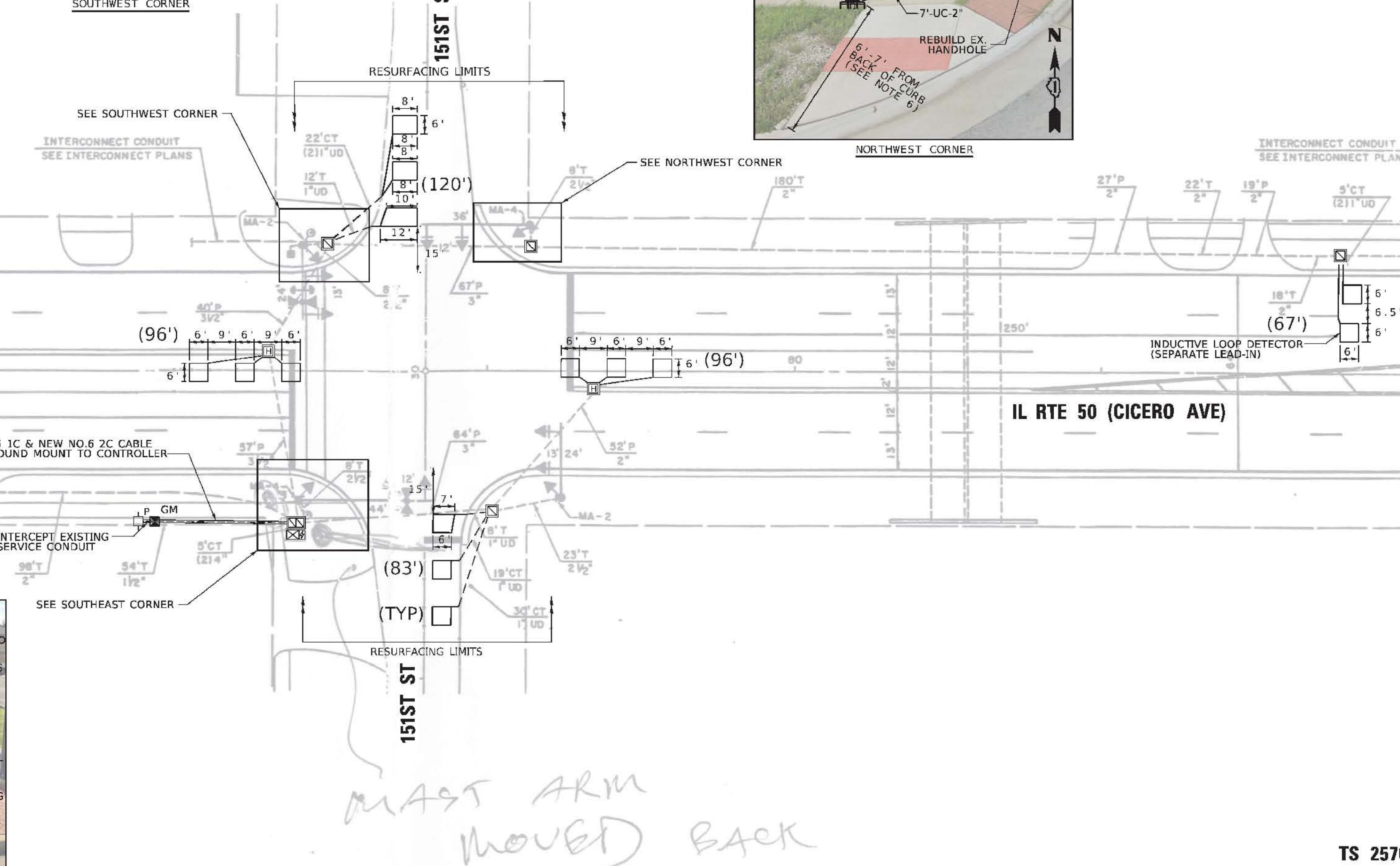
REMOVAL AND RELOCATION NOTES:

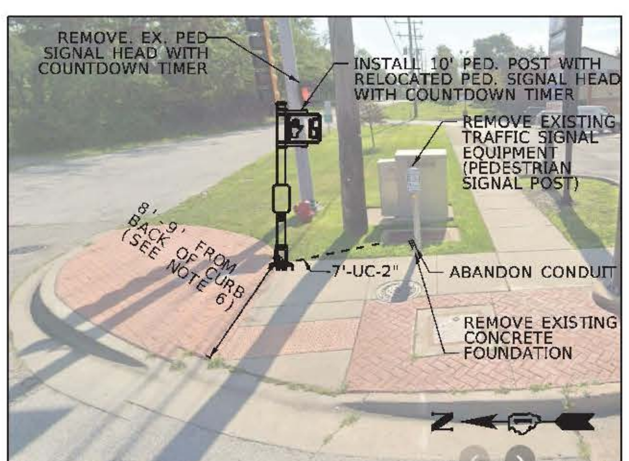
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	PEDESTRIAN SIGNAL POST
1	EACH	SERVICE INSTALLATION, POLE MOUNT
2	EACH	PEDESTRIAN SIGNAL HEAD



NORTHWEST CORNER





SOUTHEAST CORNER

TS 2570
ECON 135
PACE TSP

USER NAME = Zebadiah.Hnerbert	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE - 10/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 50 (CICERO AVE) AND 151ST ST

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	20
		CONTRACT NO. 62T20		
		ILLINOIS FED. AID PROJECT		

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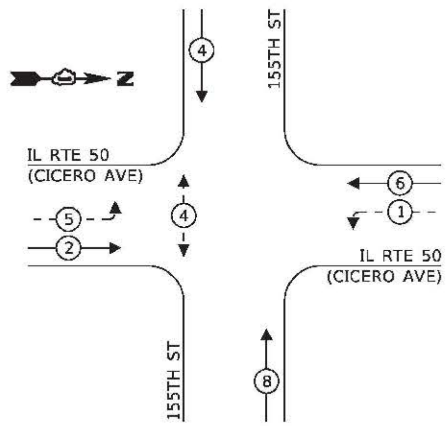
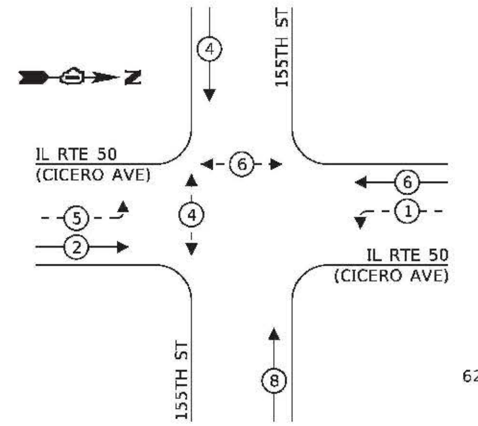
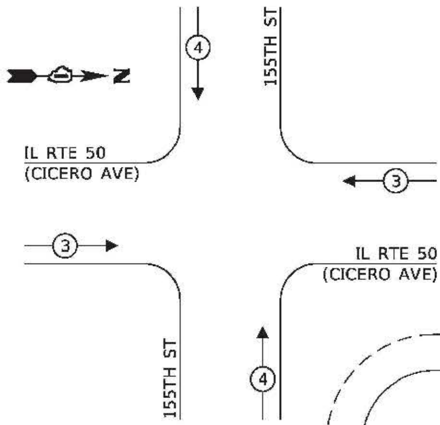
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

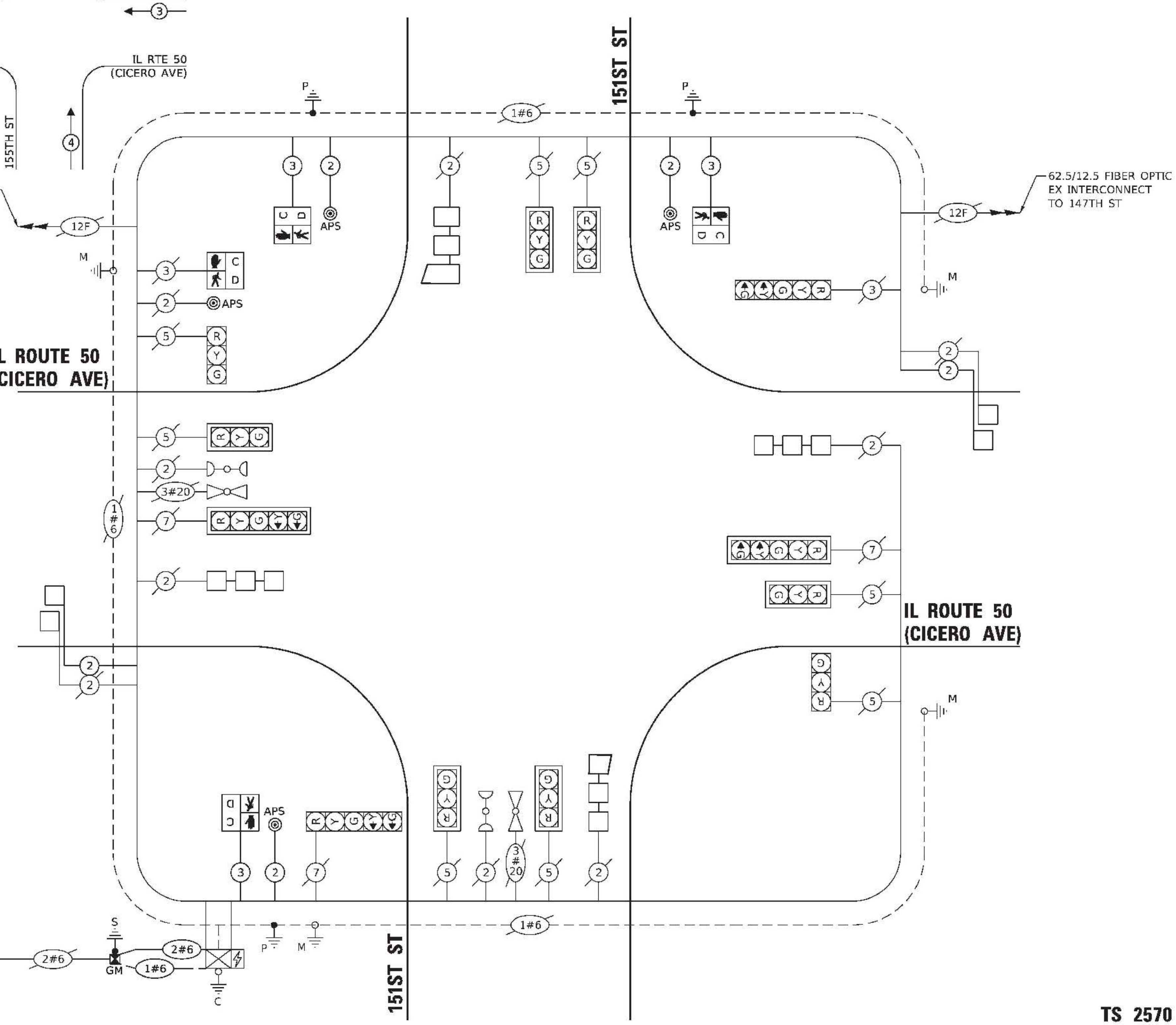
ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	19
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	416
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	428
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	817
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	69
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	99
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	529
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	28
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	3
ACCESSIBLE PEDESTRIAN SIGNAL	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

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	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			375
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			980

ENERGY COSTS TO:
CITY OF OAK FOREST
15440 S. CENTRAL AVE
OAK FOREST, IL 60452

ENERGY SUPPLY: CONTACT: PAUL EDWARDS
PHONE: 773-573-8637
COMPANY: COMED
ACCOUNT NUMBER: ---
METER NUMBER: ---



CABLE PLAN

TS 2570
ECON 135
PACE TSP

USER NAME = Zebadiah.Hnerbert	DESIGNED - J.LARSON	REVISED -	
	DRAWN - J.LARSON	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE - 10/10/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 50 (CICERO AVE) AND 151ST ST

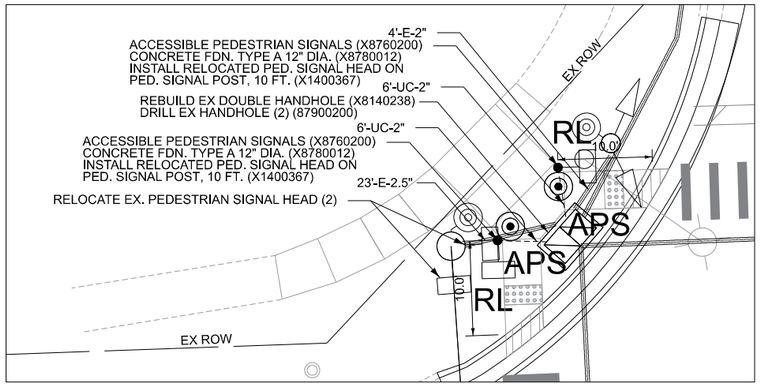
SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	21

CONTRACT NO. 62T20
ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: \\illinois.gov\DOT\D1Shared\D1\OPRTRF\Mq~1\Ge1\WP\Design\D\U02 InHouse Design\62T20\62T20.dgn

NORTHWEST CORNER



NOTES:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER

2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

3. ALL PUSH BUTTONS SHALL BE APS

4. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB.

5. EACH DETECTOR LOOP SHALL HAVE ITS 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

6. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

SEE SHEET (2 OF 2)
MATCH LINE A-A

REMOVAL AND RELOCATION NOTES:

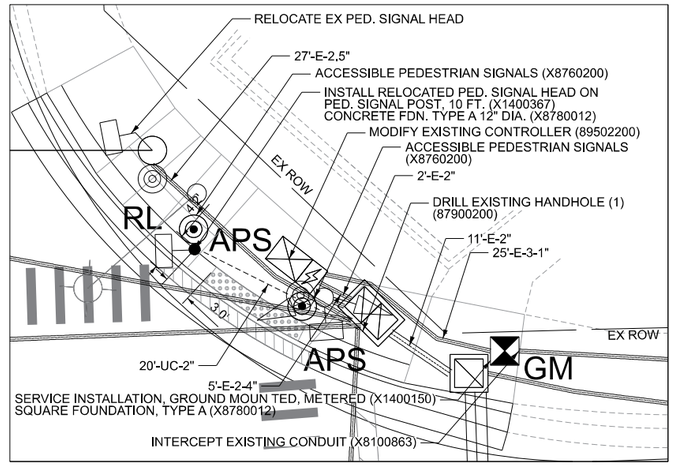
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED AS SHOWN.

3 EACH PEDESTRIAN SIGNAL HEAD

NORTHEAST CORNER



SOUTHWEST CORNER

SOUTHEAST CORNER

N

0 20 40
SCALE IN FEET

SEE (SHEET 2 OF 2)
MATCH LINE B-B

TS 2640

ECON 135

Lochner
225 WEST WASHINGTON STREET 12TH FLOOR
CHICAGO, IL 60606 / 312-372-3011 (P)

USER NAME = EOBRIEN	DESIGNED - EO	· -			
PLOT SCALE = 20.000 ' / in.	DRAWN - EO	· -			
PLOT DATE = 2/27/2025	CHECKED - SA	· -			
PLOT TIME = 2:56:14 PM	DATE - 02/21/2025	· -			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL ROUTE 50 (CICERO AVE) AND IL ROUTE 83 (147TH ST)

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	22
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	

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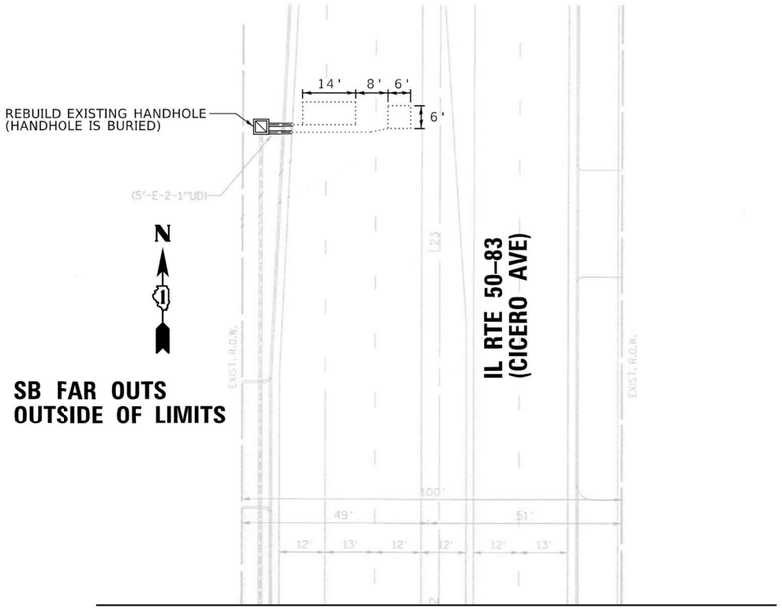
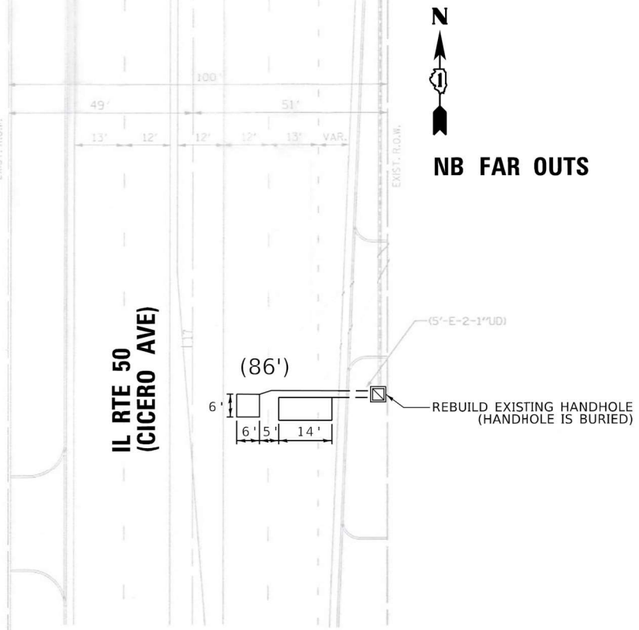
0 20 40
SCALE IN FEET



SB FAR OUTS
OUTSIDE OF LIMITS

SEE (SHEET 1 OF 2)
MATCH LINE A-A

SEE SHEET (1 OF 2)
MATCH LINE B-B



NB FAR OUTS

TS 2640
ECON 135

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Lochner
225 WEST WASHINGTON STREET 12TH FLOOR
CHICAGO, IL 60606 / 312-372-3011 (P)

USER NAME	= EOBRIEN	DESIGNED	- EO	·	-
PLOT SCALE	= 20.000 ' / in.	DRAWN	- EO	·	-
PLOT DATE	= 2/27/2025	CHECKED	- SA	·	-
PLOT TIME	= 2:56:33 PM	DATE	- 02/21/2025	·	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

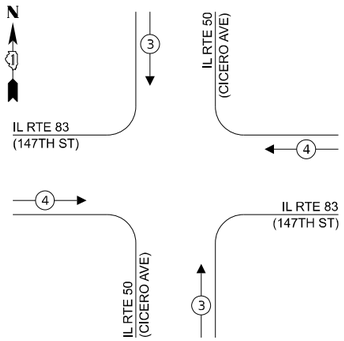
TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL ROUTE 50 (CICERO AVE) AND IL ROUTE 83 (147TH ST)

SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS

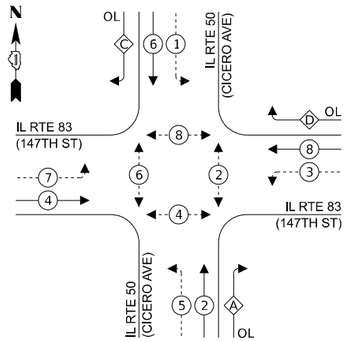
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	23
		CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	41
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	812.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	443.0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	823.0
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	225.5
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE 1	FOOT	774
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
REBUILD EXISTING DOUBLE HANDHOLE	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FEET	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
C	=	6	+	7
D	=	8	+	1

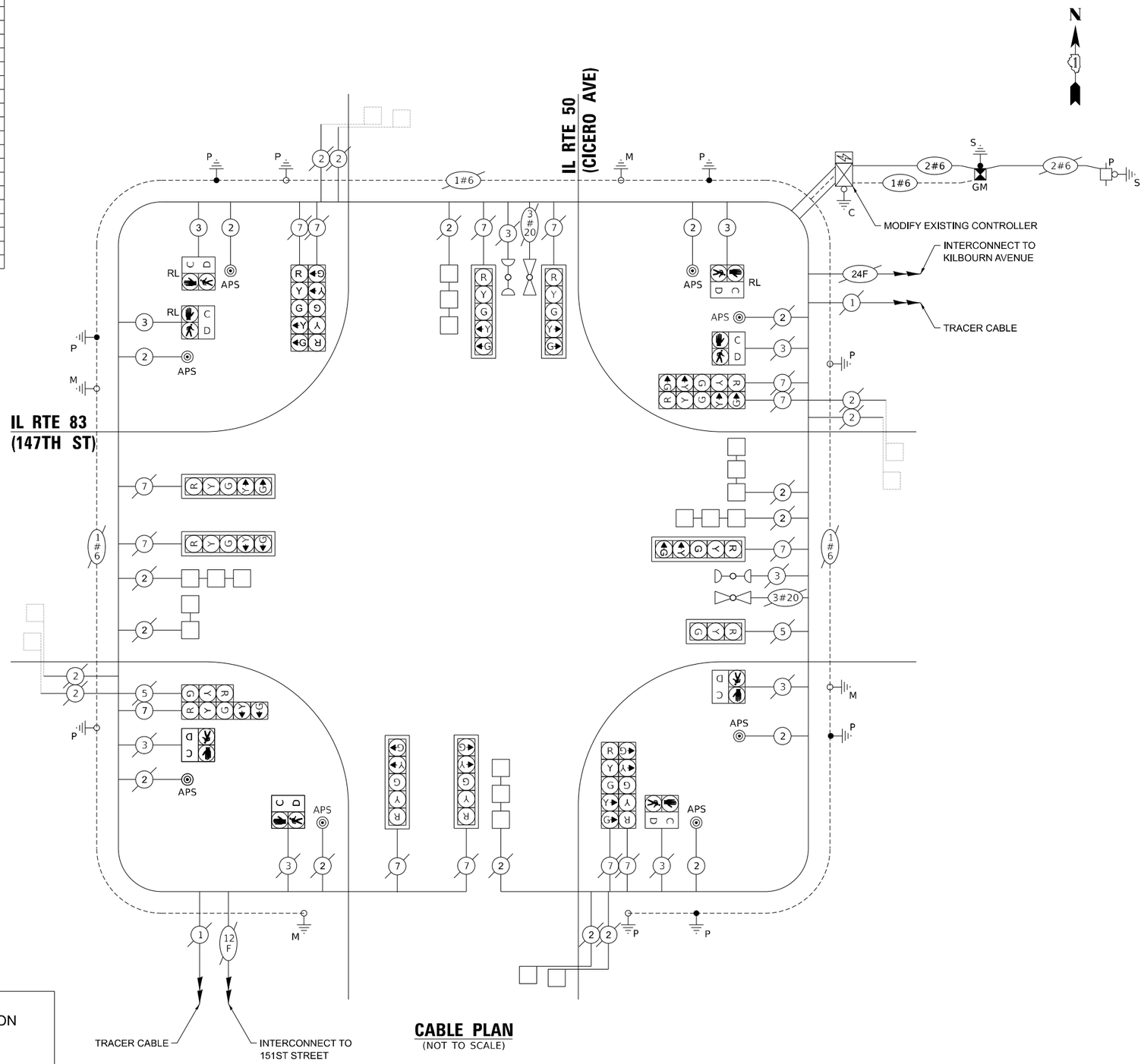
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	2	11	22
4-SECTION	-	13	-
5-SECTION	14	13	182
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	-
BLACK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			499
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			1104

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: PAUL EDWARDS
PHONE: 773-573-8637
COMPANY: COMED
ACCOUNT NUMBER: 3285524486



CABLE PLAN
(NOT TO SCALE)

TS 2640
ECON 135

Lochner
225 WEST WASHINGTON STREET 12TH FLOOR
CHICAGO, IL 60606 / 312-372-3011 (P)

USER NAME	= dsanchez	DESIGNED	- EO	·	-
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PLOT DATE	= 3/3/2025	CHECKED	- SA	·	-
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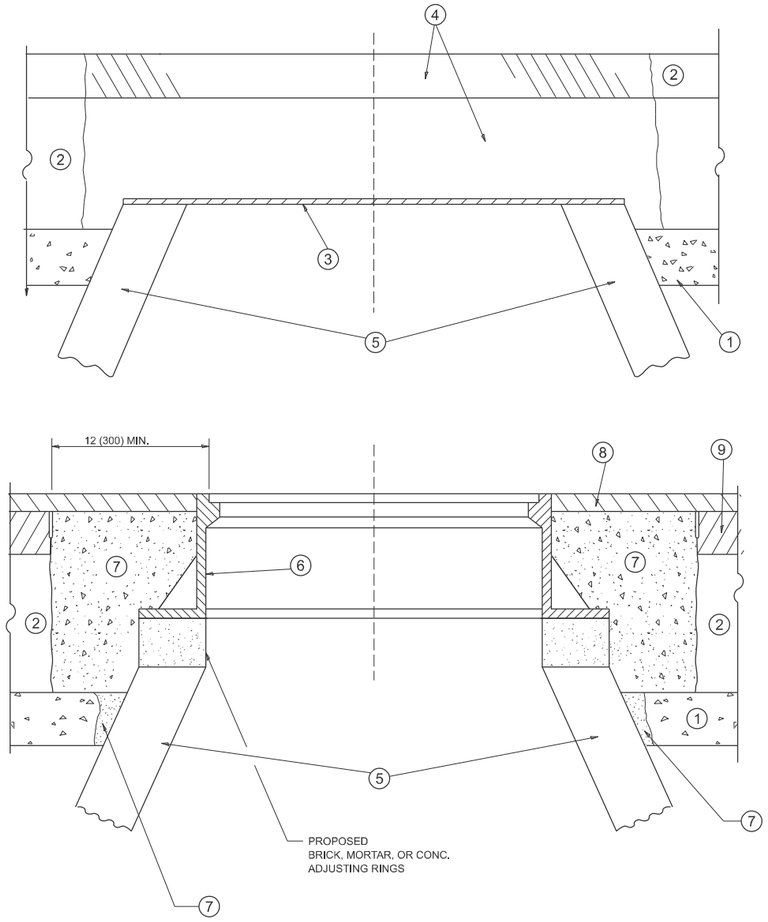
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & EMERGENCY VEHICLE PREEMPTION SEQUENCE IL ROUTE 50 (CICERO AVE) AND IL ROUTE 83 (147TH ST)

SCALE: NONE | SHEET 3 OF 3 SHEETS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	24
		CONTRACT NO. 62T20		
		ILLINOIS	FED. AID PROJECT	



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

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: BD-08 [Sheet]
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USER NAME = Rana.Kalo	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 = 1/22/2025	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 1 OF 1 SHEETS | STA. | TO STA.

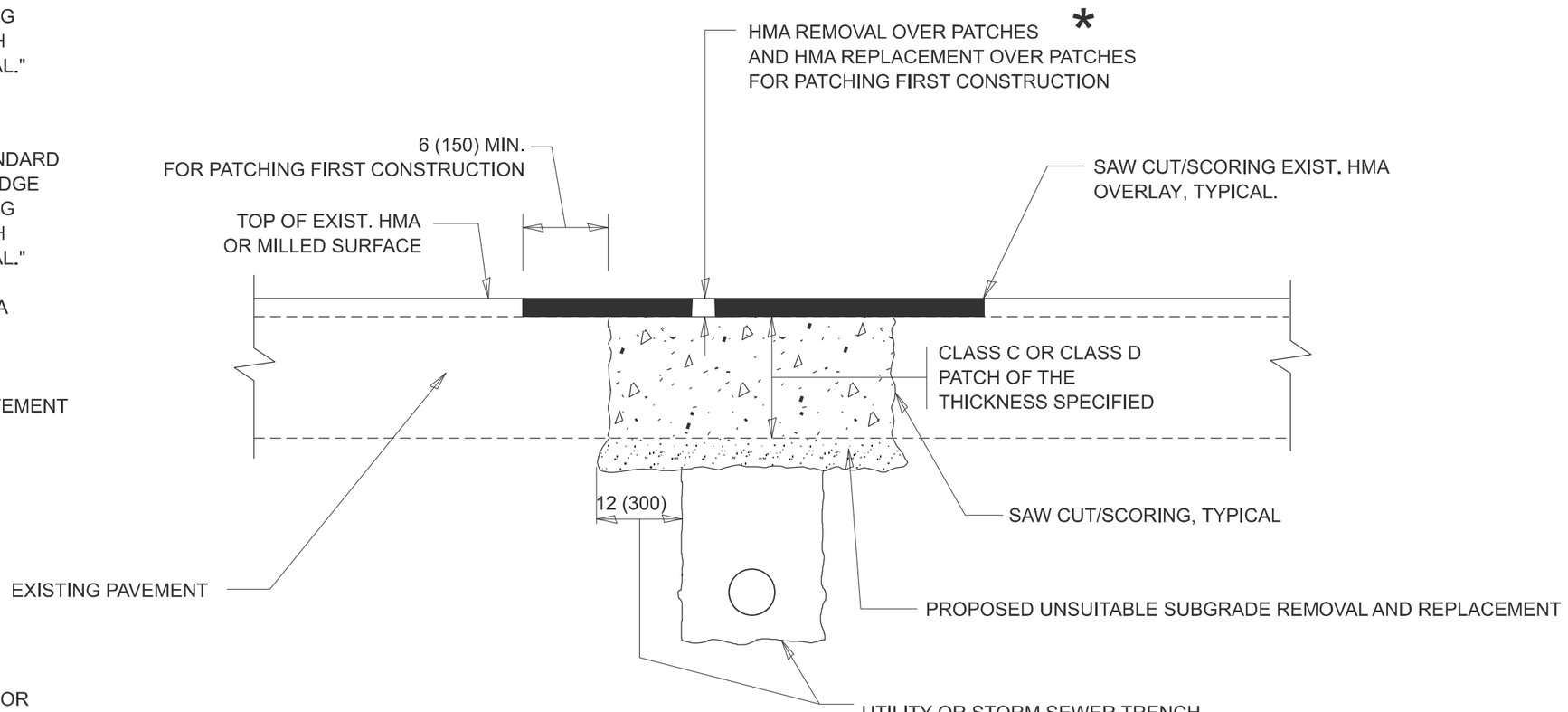
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	25
	BD600-03 (BD-08)	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

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.

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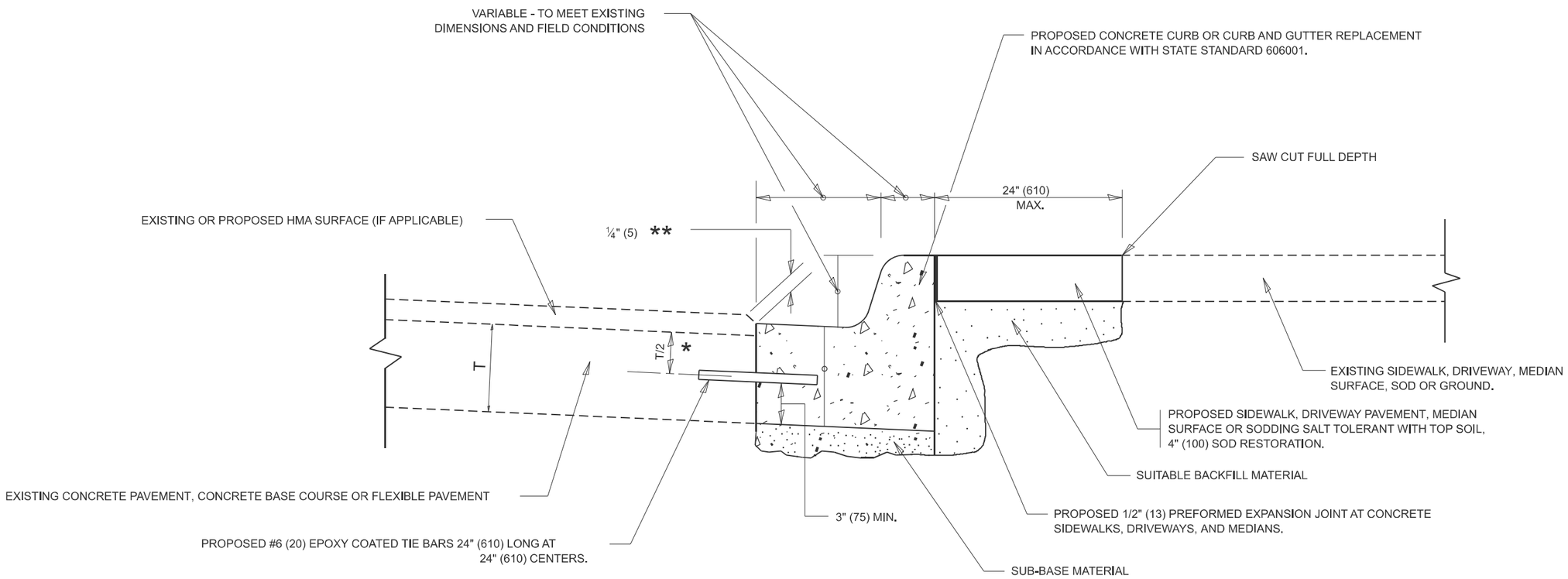
USER NAME = Rana.Kalo	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 1/22/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	26
	BD400-04 (BD-22)	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			



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

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: BD-24 [Sheet]
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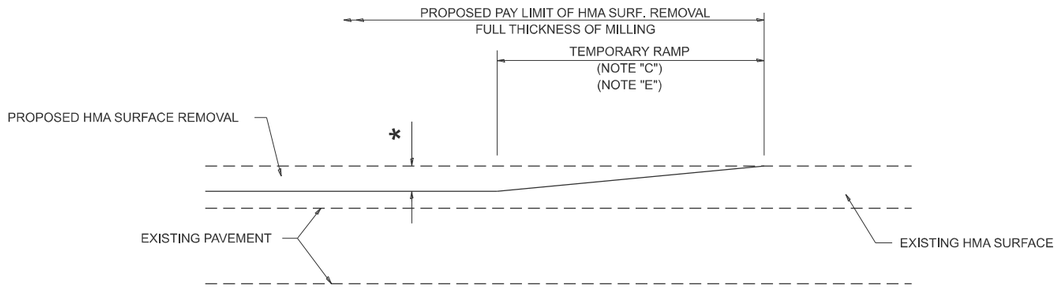
USER NAME = Rana.Kalo	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 1/22/2025	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

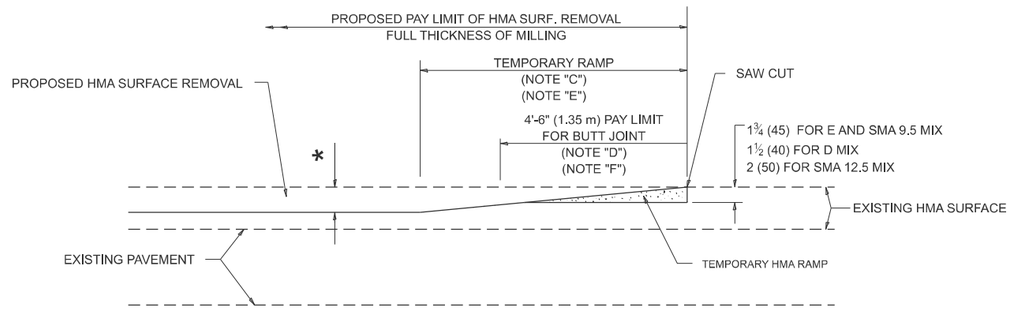
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	27
	BD600-06 (BD-24)	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

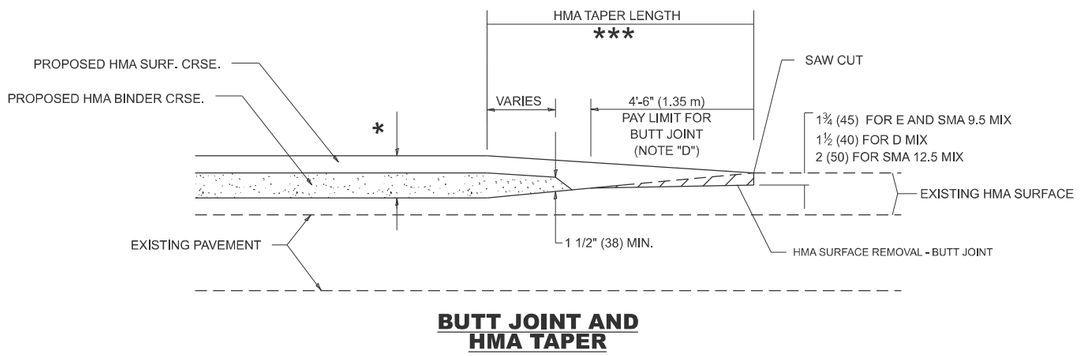


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

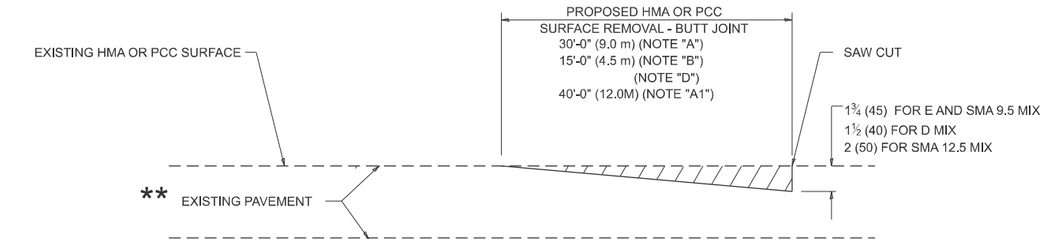
OPTION 2

TYPICAL TEMPORARY RAMP

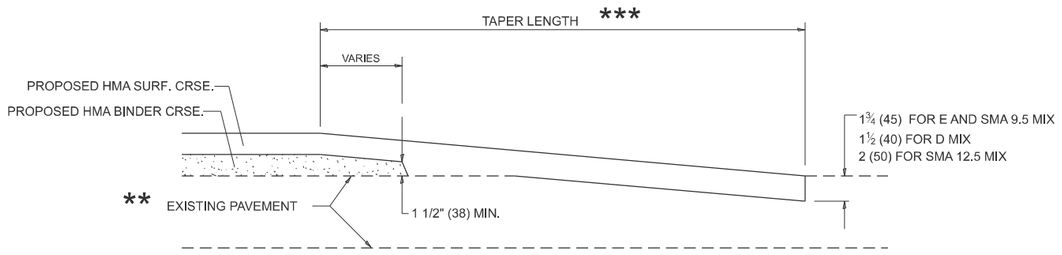


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
   * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
   *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
   10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: BD-32 [Sheet]
FILE NAME: c:\pw_work\pwidotkalbrm\d0911274\D1225522-shi-DistStds.dgn

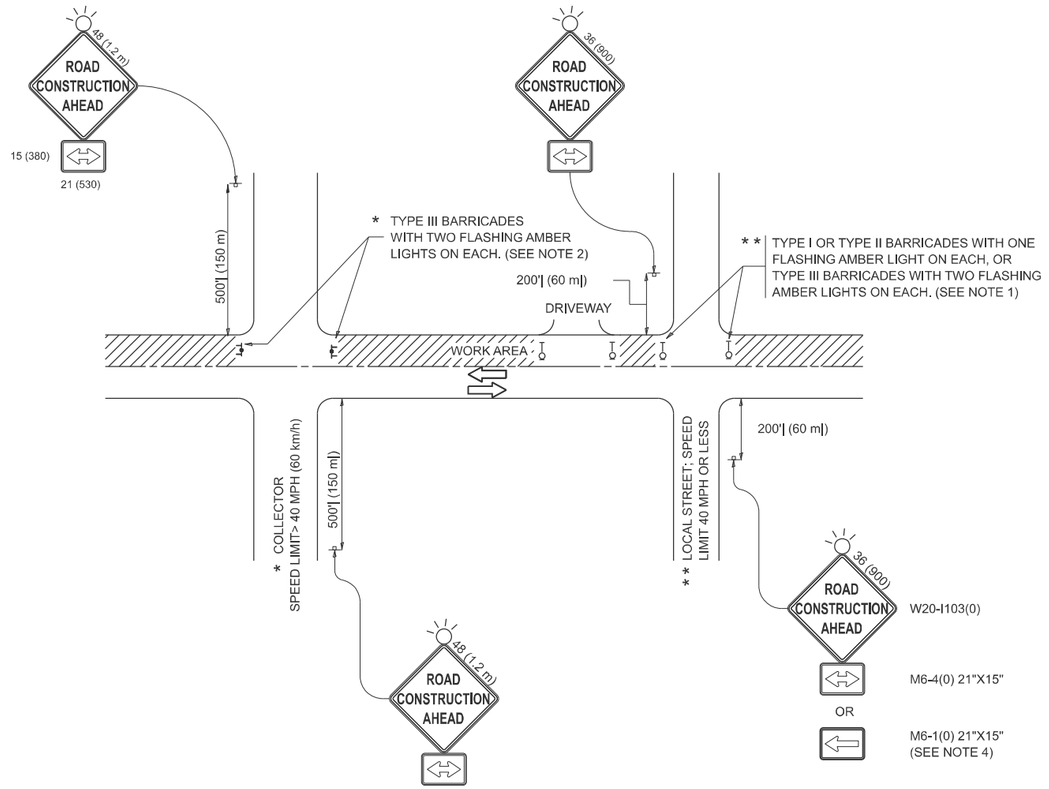
USER NAME = Rana.Kalo	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 1/22/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	28
	BD400-05 BD-32	CONTRACT NO. 62T20		
	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]
FILE NAME: c:\pw_work\pwidot\kalorn\d0911274\D125522-sht-DistStds.dgn

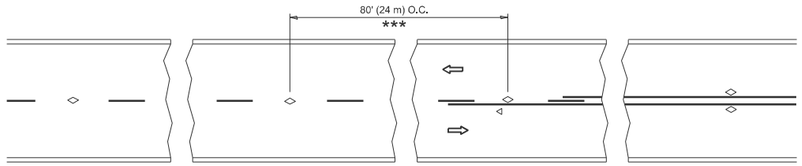
USER NAME = Rana.Kalo	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 1/22/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

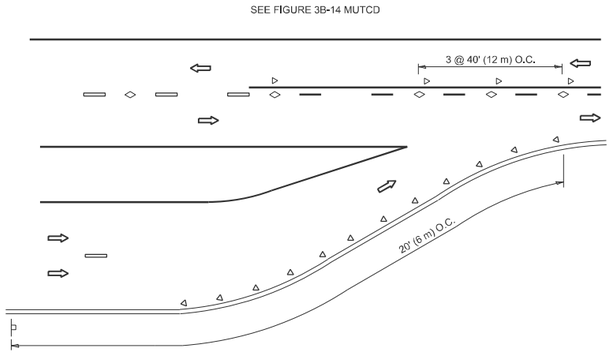
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	29
	TC-10	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

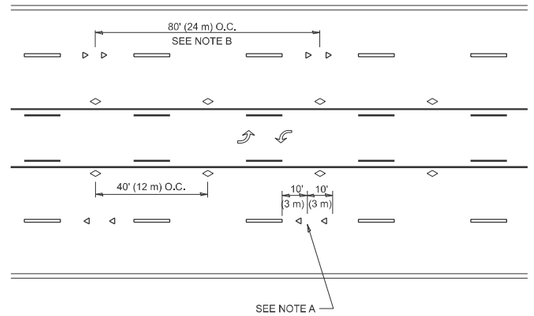


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

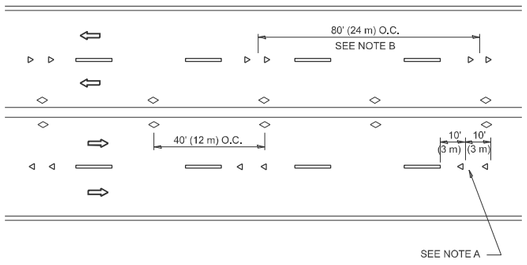
TWO-LANE/TWO-WAY



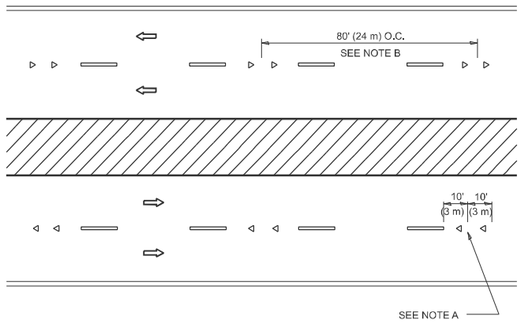
LANE REDUCTION TRANSITION



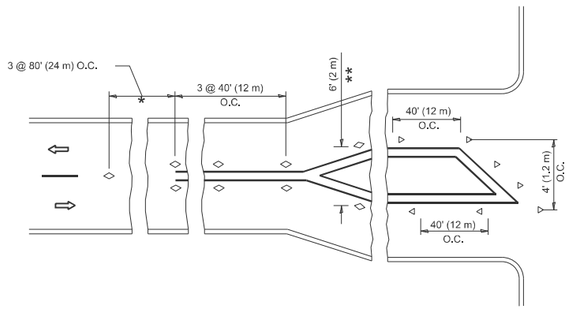
TWO-WAY LEFT TURN

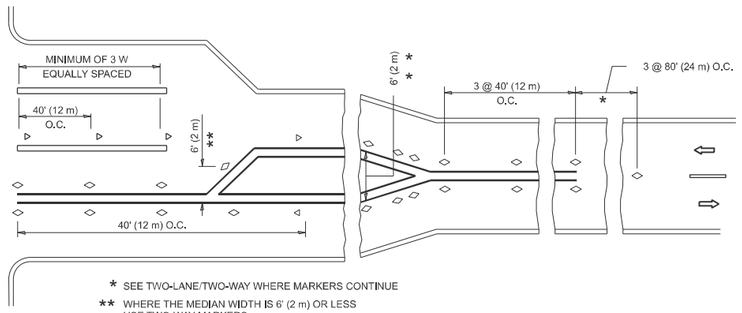


MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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

MODEL: TC-11 [Sheet]
FILE NAME: c:\pw_work\pwidot\kalorm\d0911274\D1255222-sht-DistStds.dgn

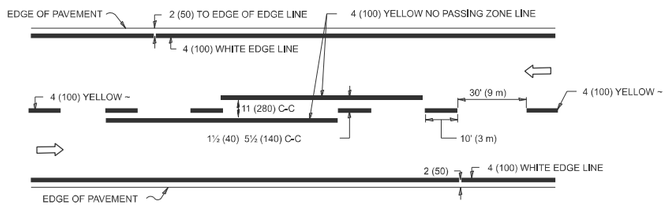
USER NAME = Rana.Kalo	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 1/22/2025	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

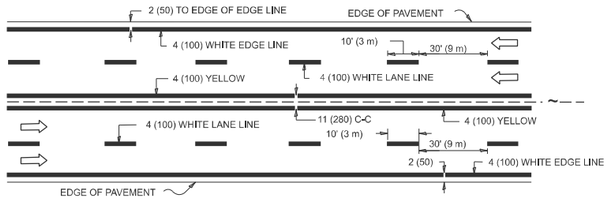
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

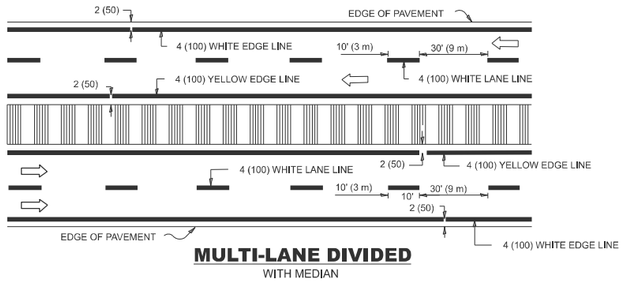
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	30
	TC-11	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

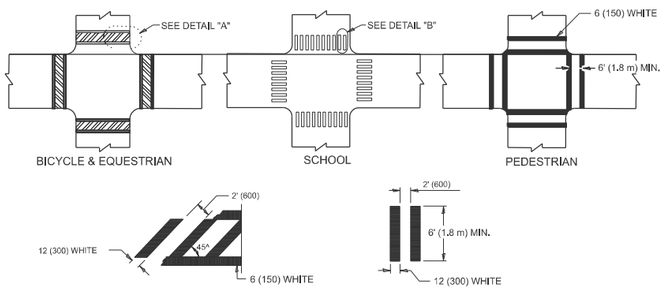


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

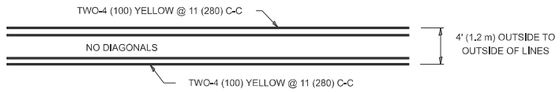
TYPICAL LANE AND EDGE LINE MARKING



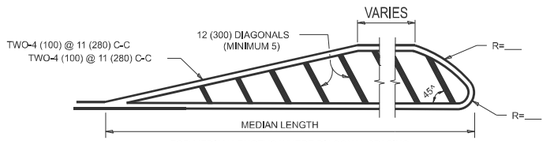
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



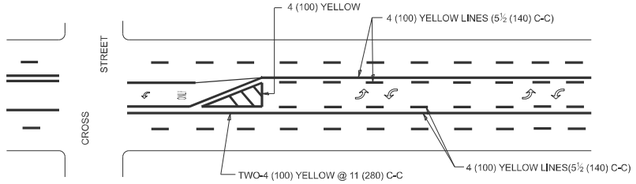
4' (1.2 m) WIDE MEDIANS ONLY



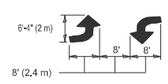
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

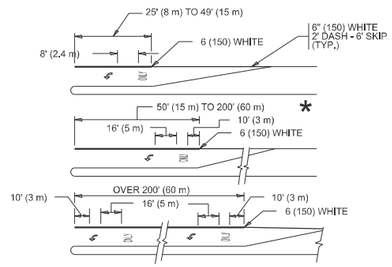


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

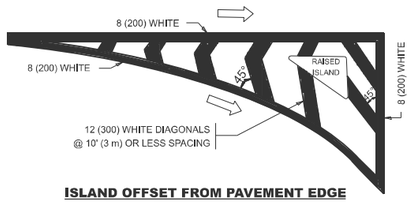


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15,6 SQ. FT. (1,5 m²) ONLY AREA = 20,8 SQ. FT. (1,9 m²)

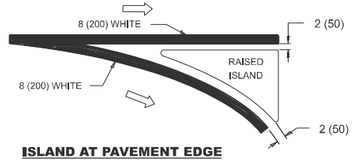
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

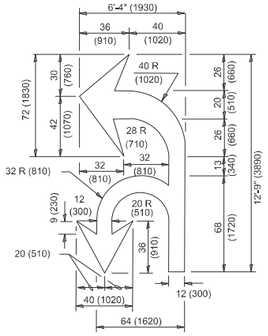


ISLAND OFFSET FROM PAVEMENT EDGE

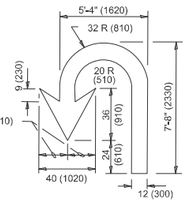


ISLAND AT PAVEMENT EDGE

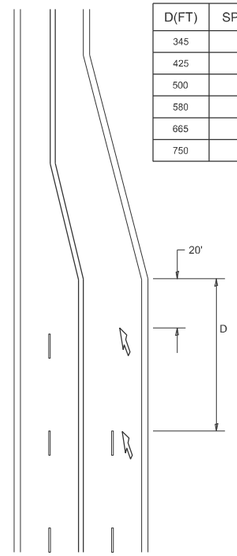
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

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

* 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	5½ (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: 5½ (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 m²) EACH "X"=54,0 SQ. FT. (5,0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30,4 SF

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

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

MODEL: TC-13 [Sheet]
FILE NAME: c:\pw_work\pwdot\kalorm\d0911274\D1255225-sht-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 1/22/2025	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	31
	TC-13	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

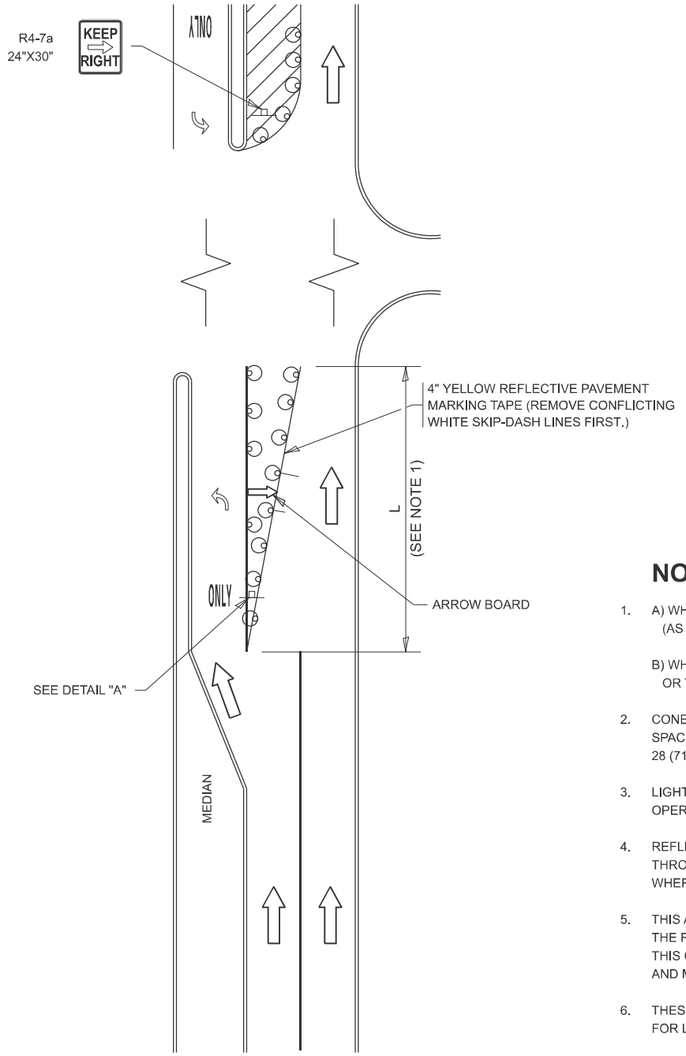


FIGURE 1

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 ≤ 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-I100R 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 PREQUIREMENTS.
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

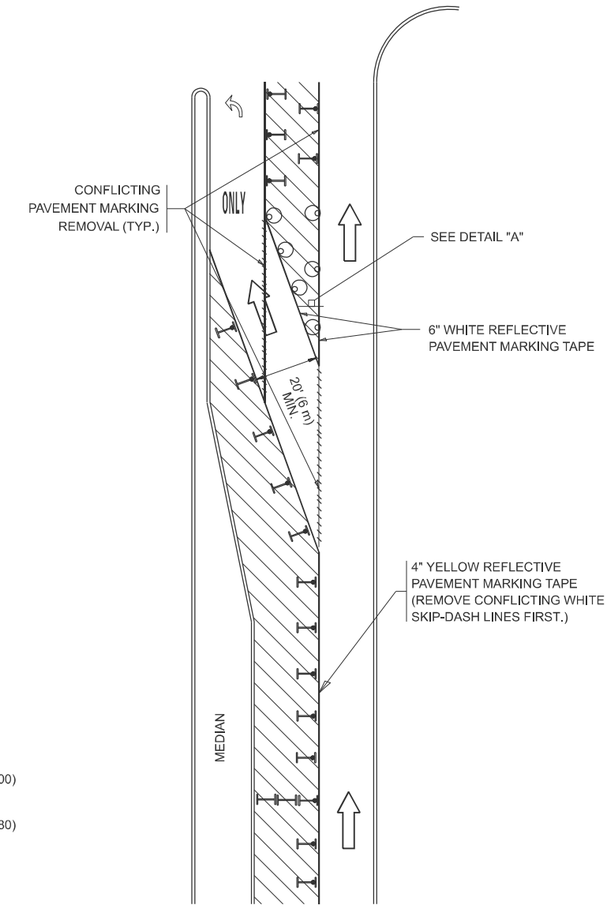
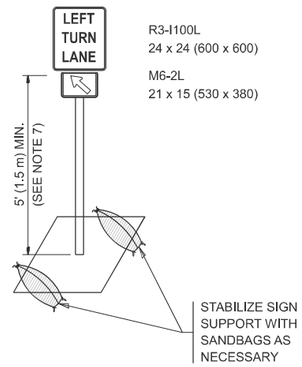


FIGURE 2



DETAIL A

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

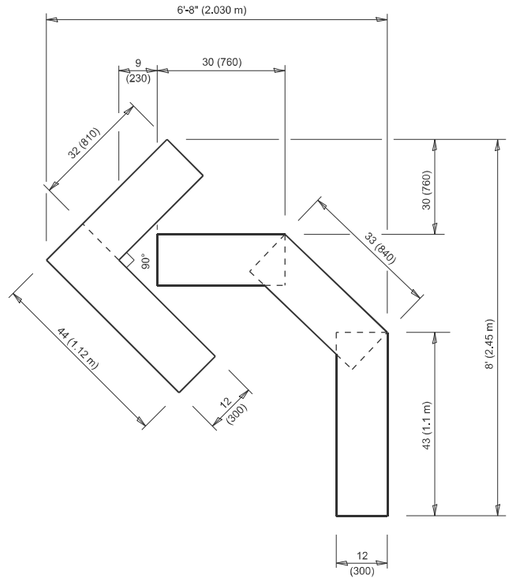
MODEL: TC-14 [Sheet]
FILE NAME: c:\pw_work\pwidot\kalomi\d0911274\D1225522-sht-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	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 = 1/22/2025	DATE - T. RAMMACHER 01-06-00	REVISED -	

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

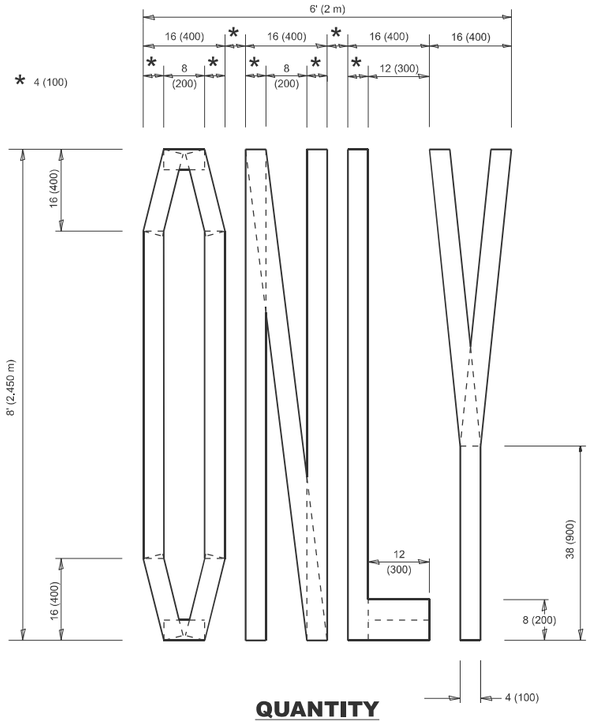
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	32
	TC-14	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			



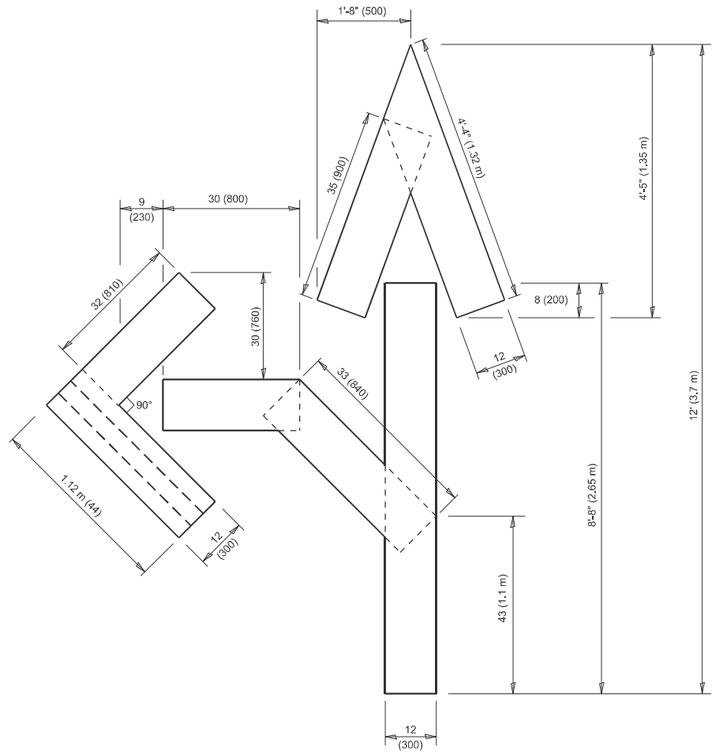
QUANTITY

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



QUANTITY

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

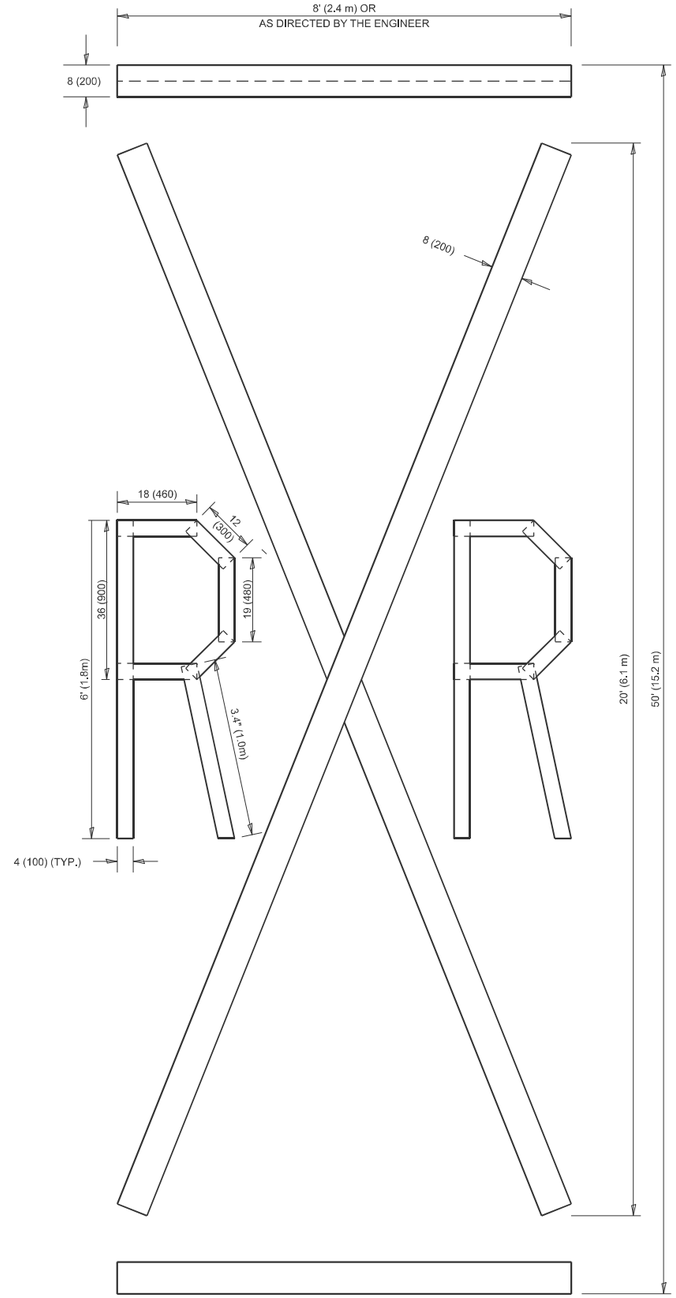


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: TC-16 [Sheet]
FILE NAME: c:\pw_work\pwidot\kalorm\d0091127\D125522-sht-DistStds.dgn

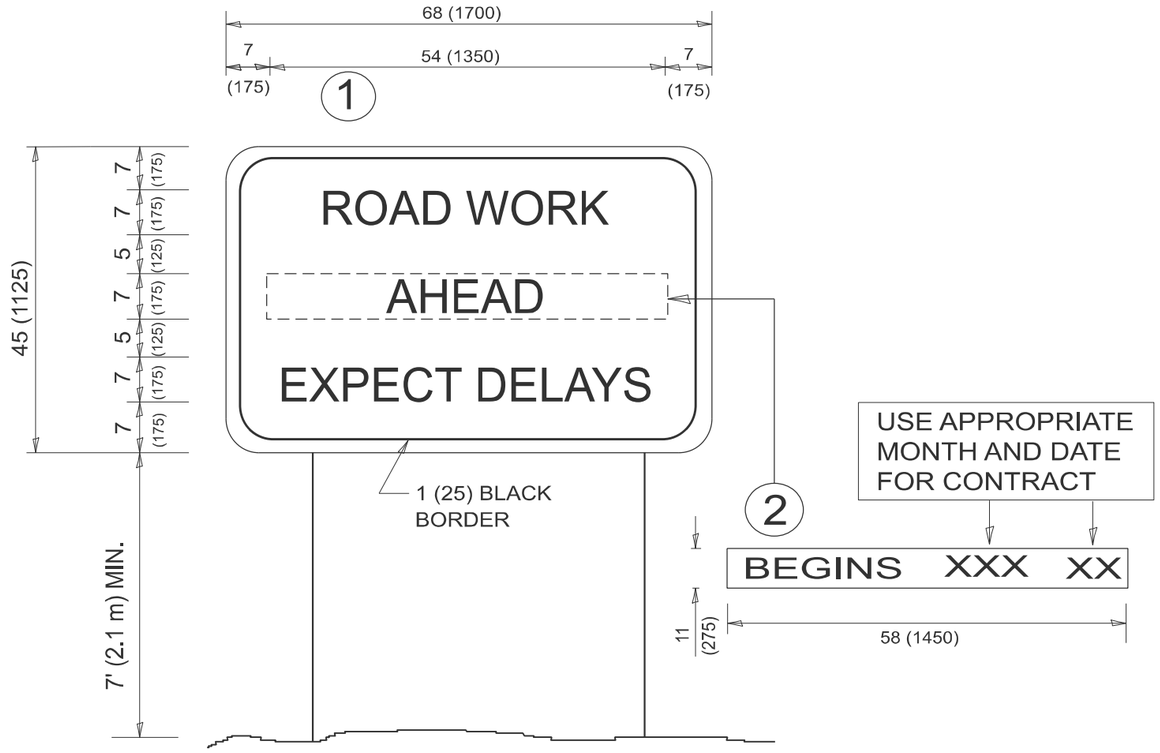
USER NAME = Rana.Kalo	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 1/22/2025	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	33
	TC-16	CONTRACT NO. 62T20		
		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]
FILE NAME: c:\dw_work\pwidot\kaform\d0911274\D1255222-sht-DistStds.dgn

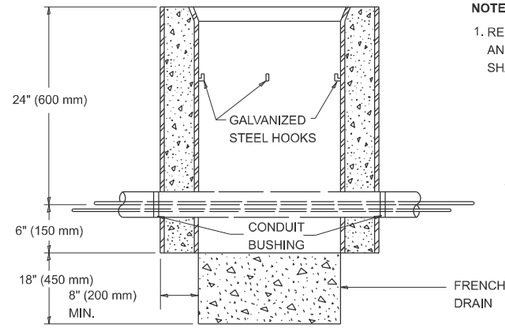
USER NAME = Rana.Kalo	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 1/22/2025	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

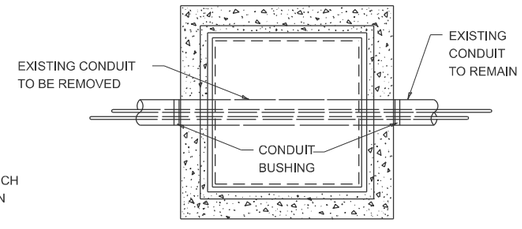
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	34
	TC-22	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION **PLAN**

DETAIL

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: TS-03 [Sheet]
FILE NAME: c:\pw_work\pwidot\kalorna\d0911227\d1125522-shtc-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED - 10-01-00	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	35
	TS-03	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RXR	RXR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
SAMPLING (SYSTEM) DETECTOR	S	S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS	IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS	QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◁Y ◁G (P)	R Y G ◁Y ◁G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◁Y ◁G (P) (RB)	R Y G ◁Y ◁G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

MODEL: TS-5-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\kalorm\d0911274\D1255222-sht-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
	CHECKED - LP	REVISED -	
PLOT DATE = 1/22/2025	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	36
	TS-05	CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

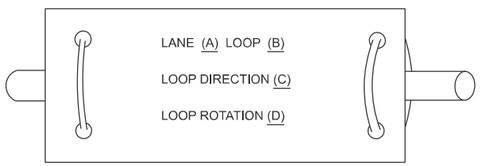
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

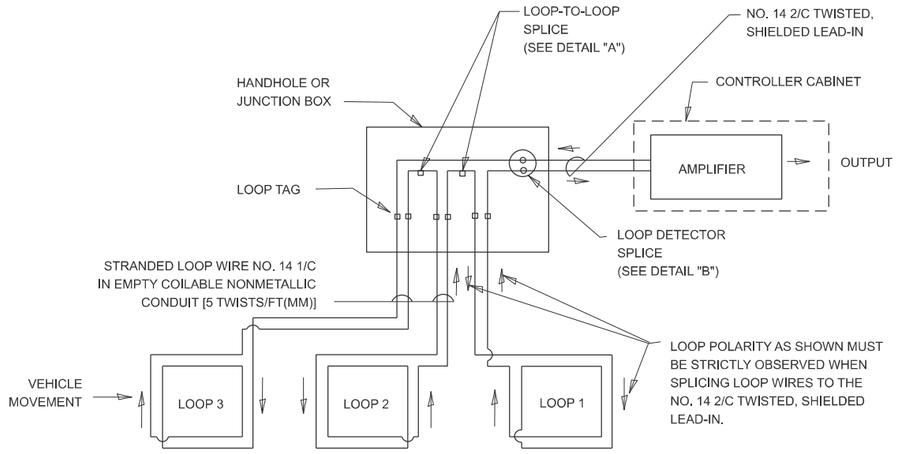


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

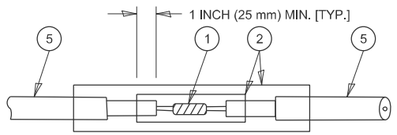
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

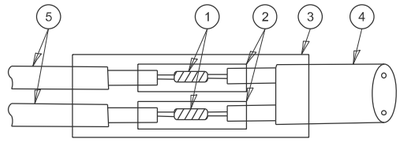


DETECTOR LOOP WIRING SCHEMATIC

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

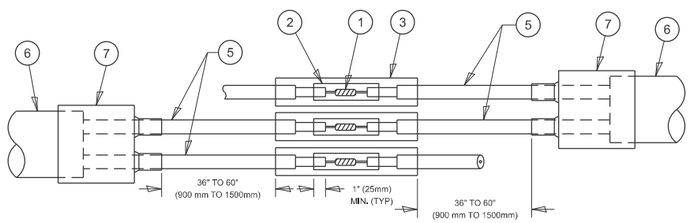


DETAIL "A"
LOOP-TO-LOOP SPLICE

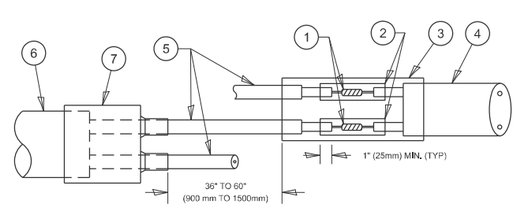


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

MODEL: TS-5-2 [Sheet]
FILE NAME: c:\dw_work\pwidotkalom\d09112741D125522-sht-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

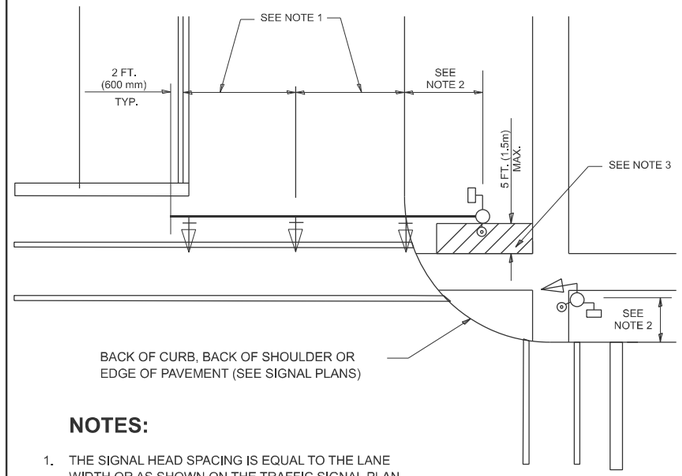
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	37
	TS-05	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

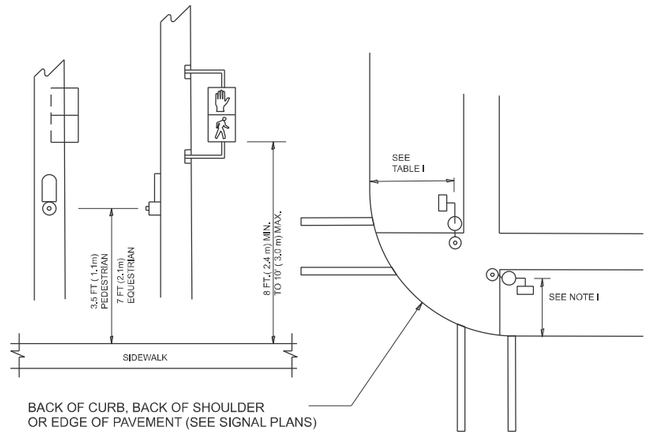
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

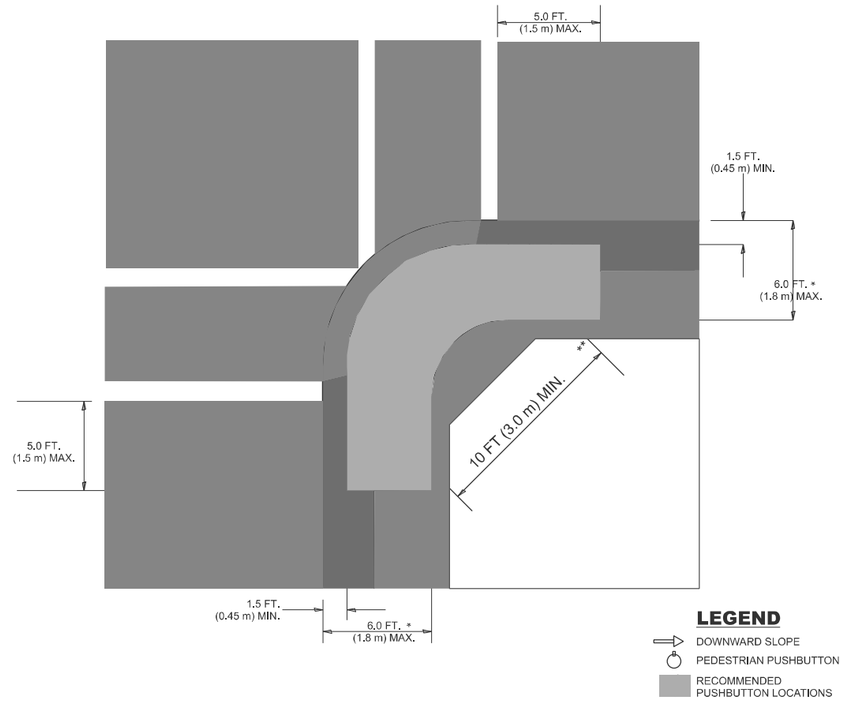
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



* 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 TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

MODEL: TS-5-3 [Sheet]
FILE NAME: c:\pw_work\pwdot\kalo\m\d0911274\D1125522-sht-DistStds.dgn

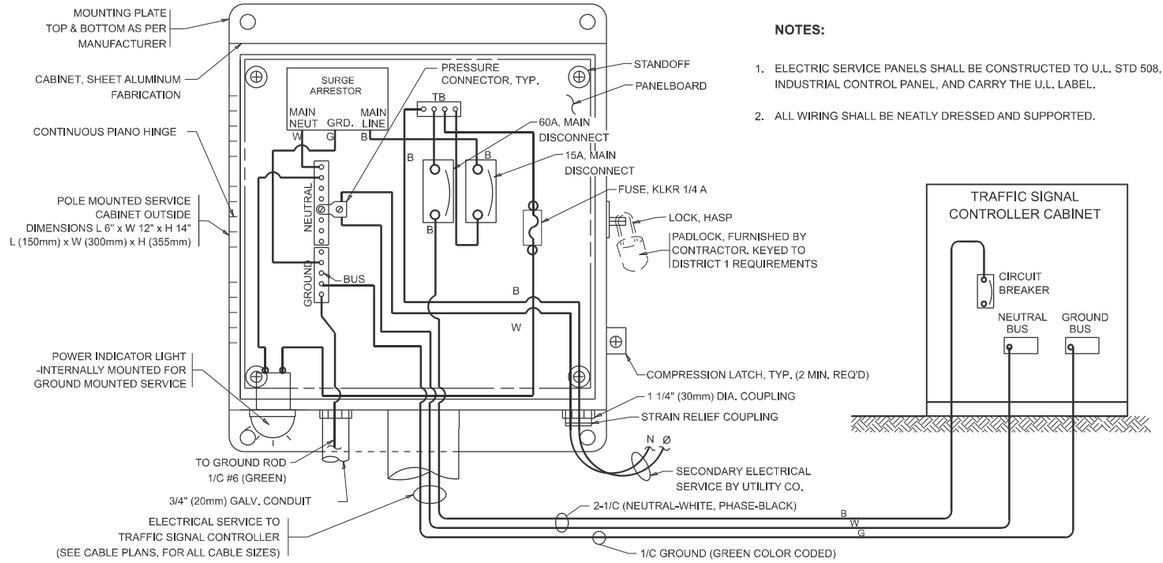
USER NAME = Rana.Kalo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	38
	TS-05	CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

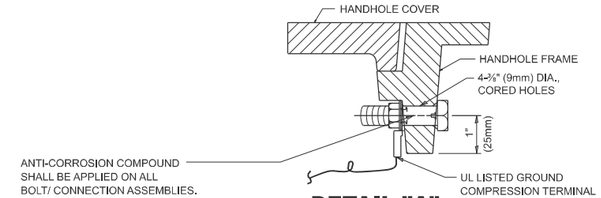


NOTES:

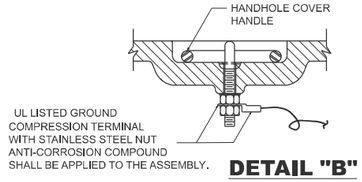
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE - PANEL DIAGRAM
(TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)



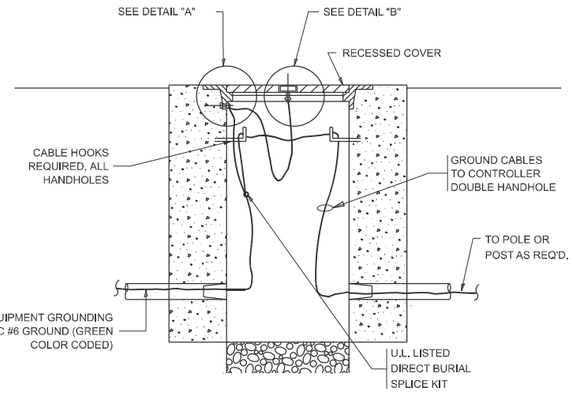
DETAIL "A"



DETAIL "B"

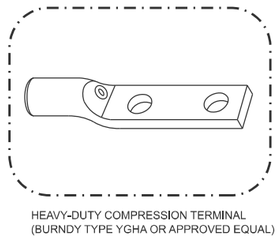
NOTES:
GROUNDING SYSTEM

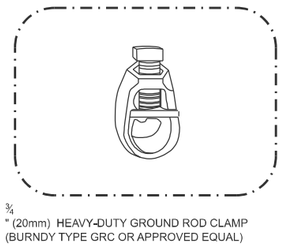
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER & FRAME - GROUNDING DETAIL

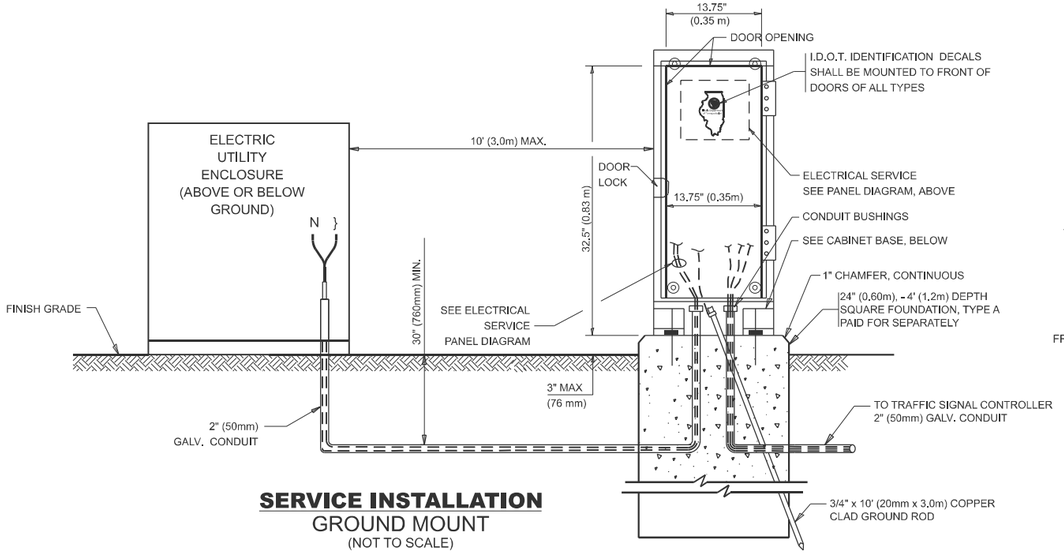
(NOT TO SCALE)



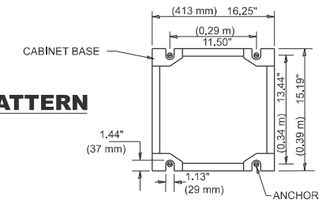


NOTES:

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

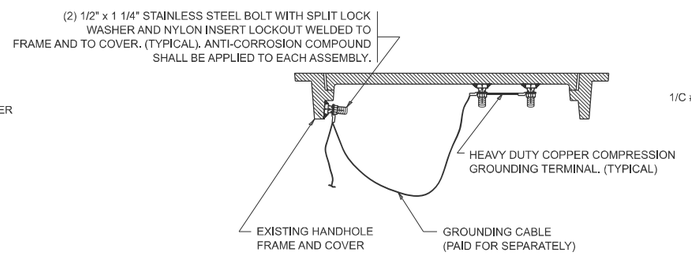


SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)



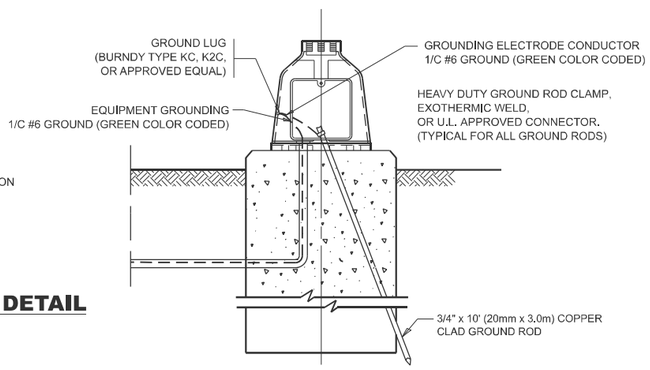
CABINET - BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL

(NOT TO SCALE)

USER NAME = Rana.Kalo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	39
	TS-05	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

MODEL: TS-5-4 [Sheet]
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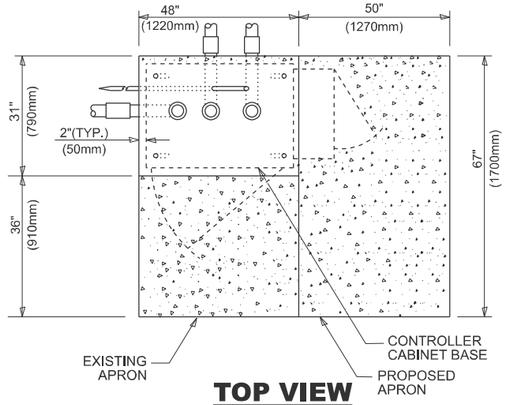
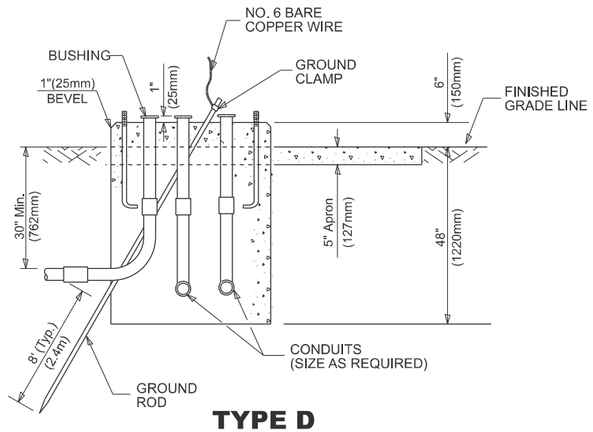
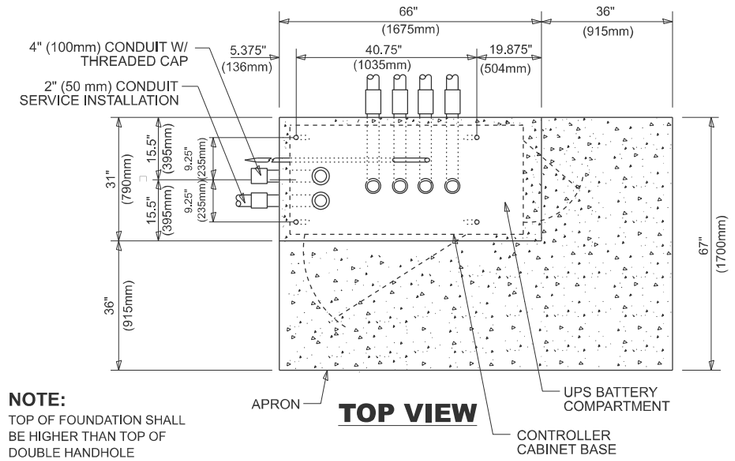


TOP VIEW

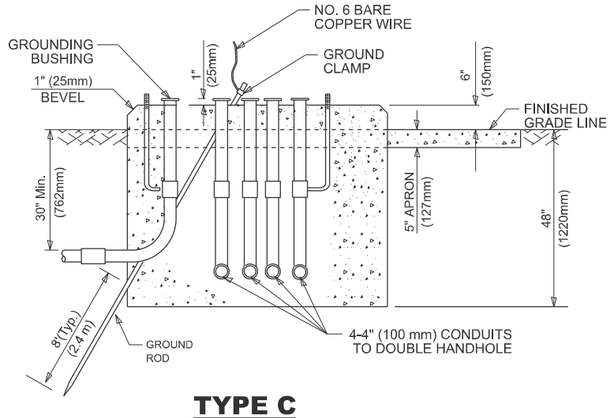


TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

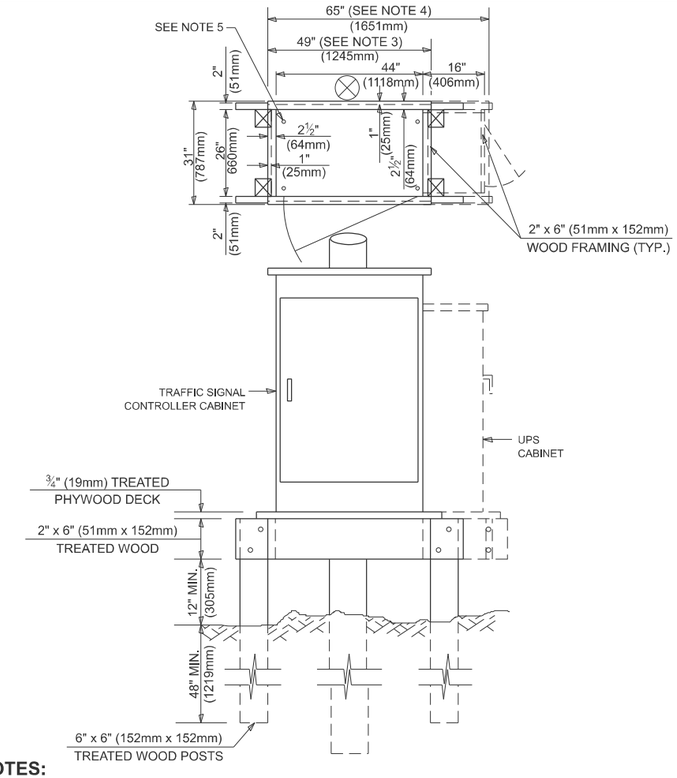


NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	25'-0" (7,6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy day, 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

MODEL: TS-5-5 [Sheet]
FILE NAME: c:\pw_work\dpwidotlkalom\d09112741D125522-snh-DistStds.dgn

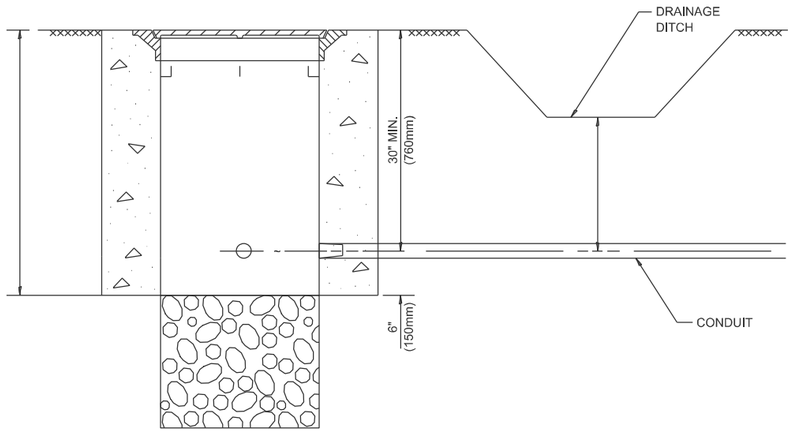
USER NAME = Rana.Kalo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	40
	TS-05	CONTRACT NO. 62T20		
	ILLINOIS	FED. AID PROJECT		

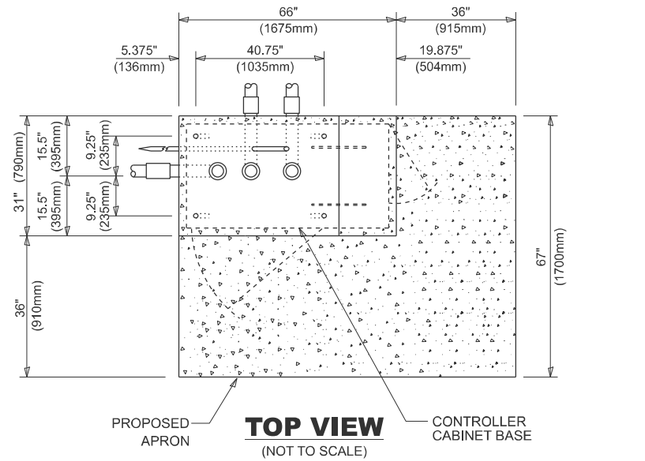


NOTES:

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.

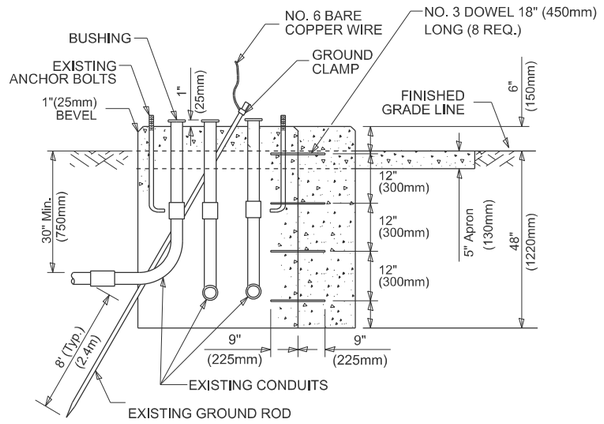
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



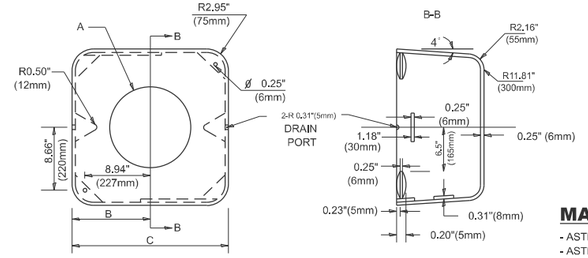
TOP VIEW

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

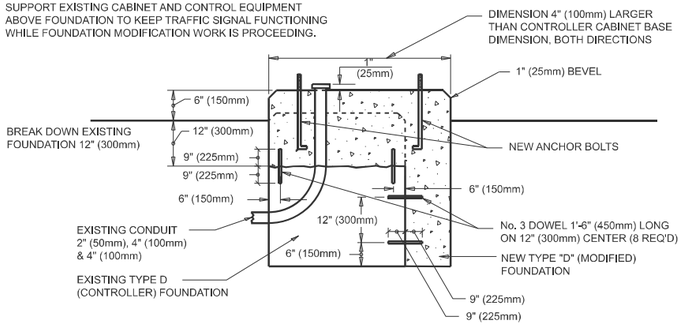
SHROUD

NOTES:

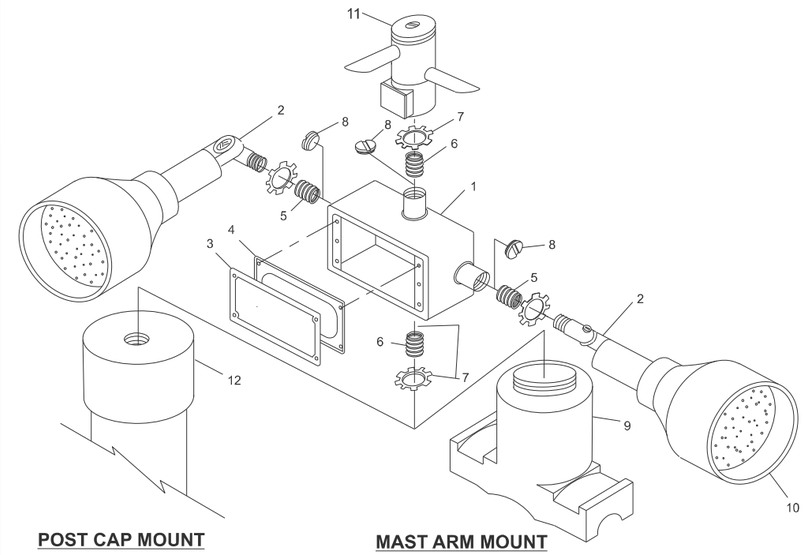
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



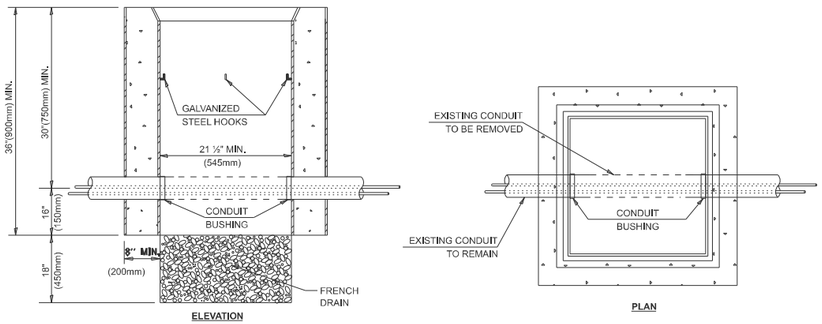
POST CAP MOUNT **MAST ARM MOUNT**

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	¾" (19 mm) CLOSE NIPPLE
7	¾" (19 mm) LOCKNUT
8	¾" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

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.



ELEVATION **PLAN**

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

MODEL: TS-5-6 [Sheet]
FILE NAME: c:\pw_work\pwidot\kalorm\d0911274\D1255225-sht-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/22/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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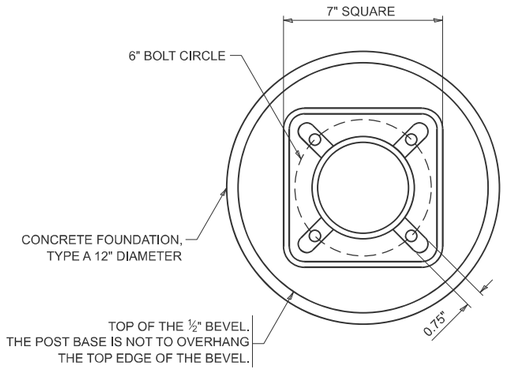
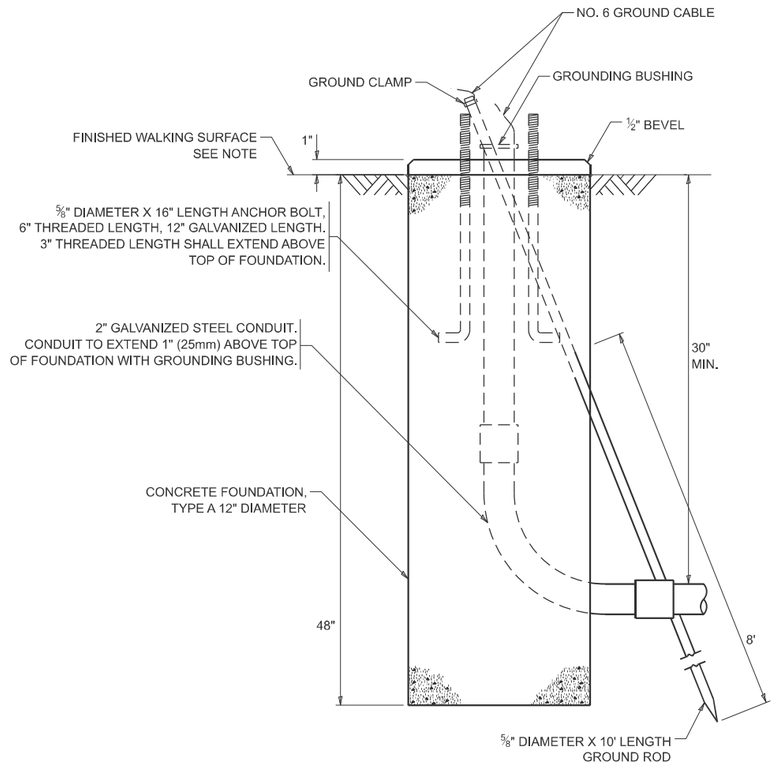
	TS-05	CONTRACT NO. 62T20		
		ILLINOIS FED. AID PROJECT		



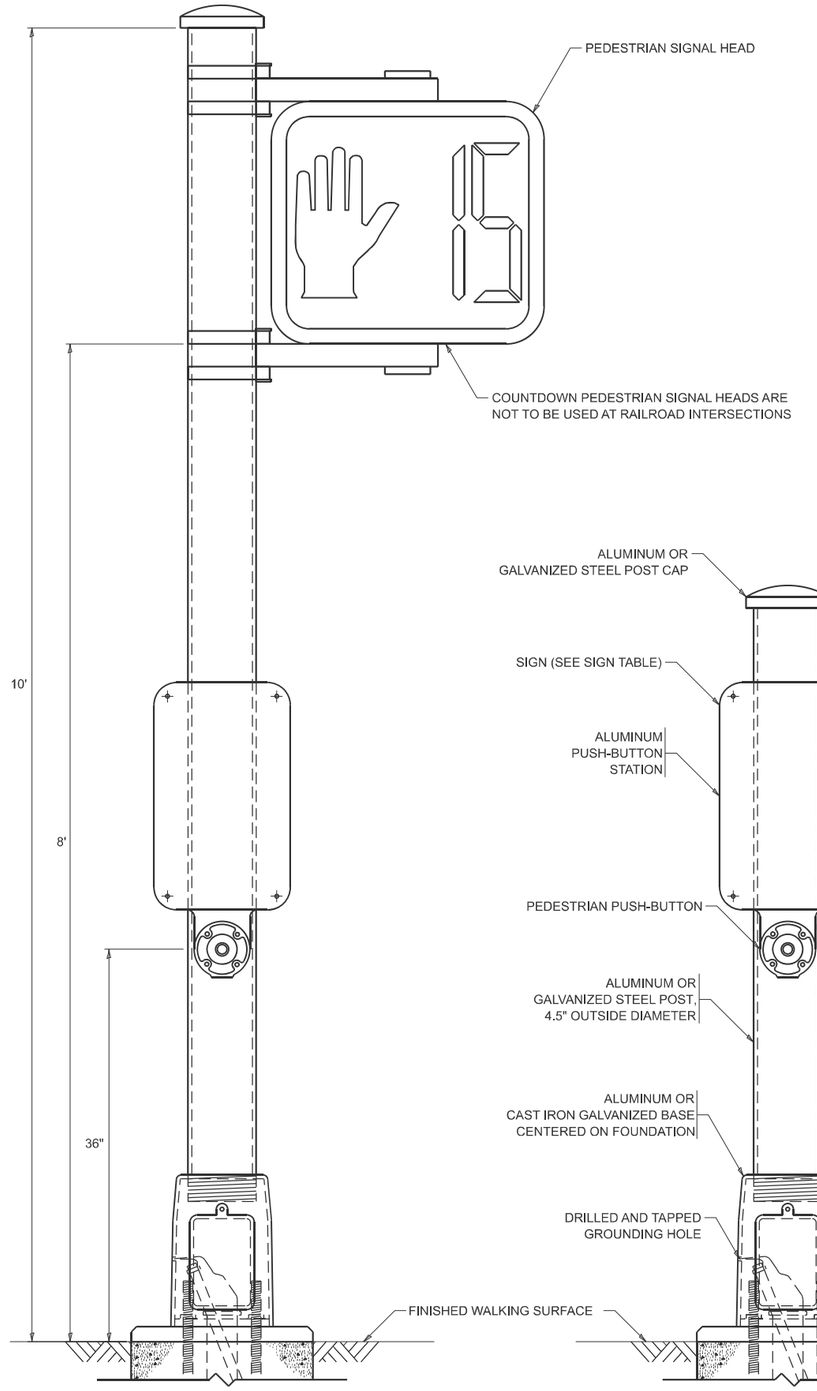
BOLT PATTERN

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.

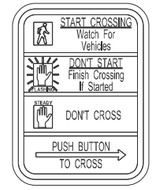


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



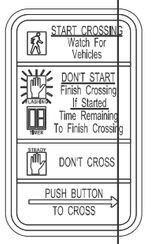
PEDESTRIAN SIGNAL POST, 10 FT.

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.

MODEL: TS-5-7 [Sheet]
FILE NAME: c:\pw_work\pwidotkalbrm\d0911274\D1225522-shr-DistStds.dgn

USER NAME = Rana.Kalo	DESIGNED - IP	REVISED -	10-15-2020	
	DRAWN - IP	REVISED -		
	CHECKED - LP	REVISED -		
PLOT DATE = 1/22/2025	DATE - 10-15-2018	REVISED -		

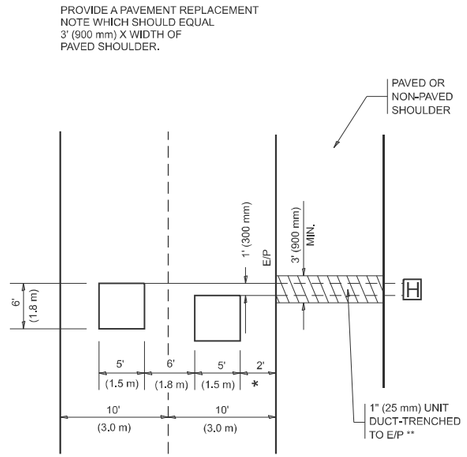
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	42
	TS-05	CONTRACT NO. 62T20		
	ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS

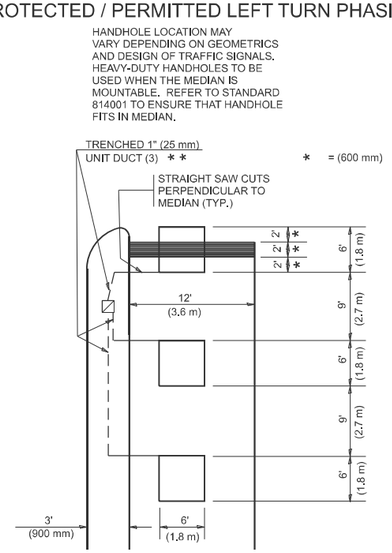


* = (600 mm)

* * 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)

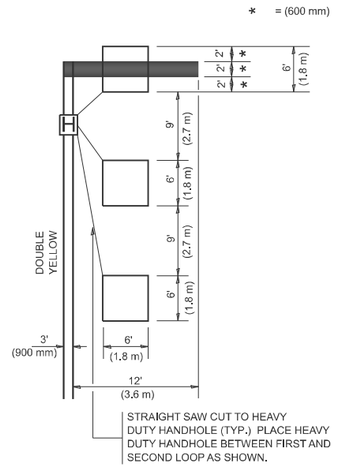


* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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)



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 SEPARATLY. 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.

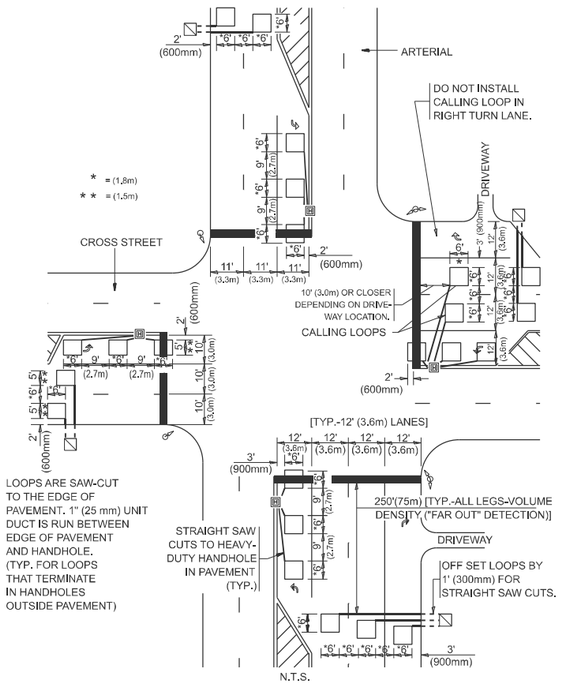
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

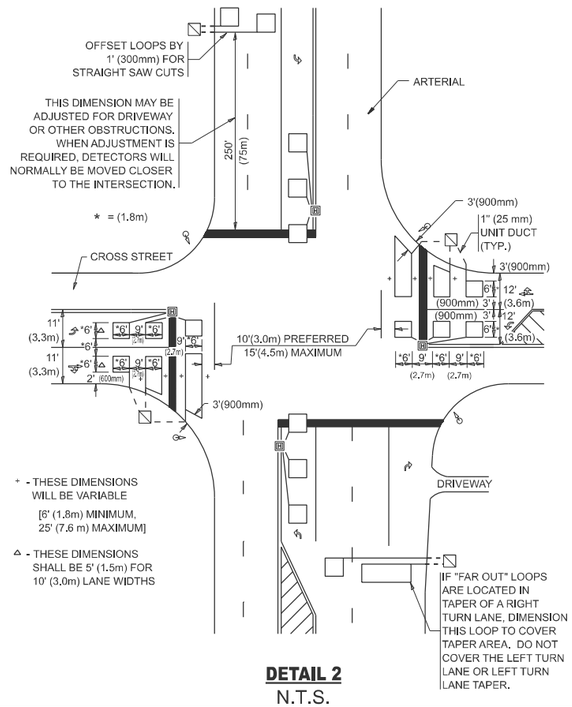
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

USER NAME = Rana.Kalo	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
	CHECKED - R.K.F.	REVISED -	
PLOT DATE = 1/22/2025	DATE -	REVISED -	

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	FAP 0350 22 RS	COOK	43	43
	TS-07	CONTRACT NO. 62T20		
		ILLINOIS FED. AID PROJECT		

MODEL: TS-07 [Sheet]
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