

06-14-2024 LETTING ITEM 118

STATE OF ILLINOIS

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

DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FUNCTIONAL CLASSIFICATION**  
**MAJOR COLLECTOR**

**TRAFFIC DATA**  
**9TH AVENUE**  
**ADT (2022) = 9,300**

**POSTED SPEED LIMIT**  
**9TH AVENUE = 30 MPH**

**DESIGN SPEED LIMIT**  
**9TH AVENUE = 30 MPH**

**FAU ROUTE 2733 (9TH AVENUE)**  
**MAIN ST TO CHICAGO AVE**  
**RESURFACING**  
**SECTION NO.: 23-00144-00-RS**  
**PROJECT NO.: 2TX9(757)**  
**VILLAGE OF MELROSE PARK, VILLAGE OF MAYWOOD**  
**COOK COUNTY**

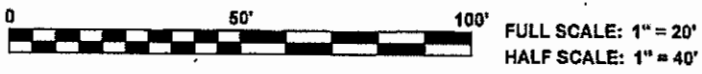
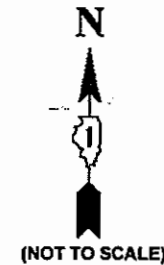
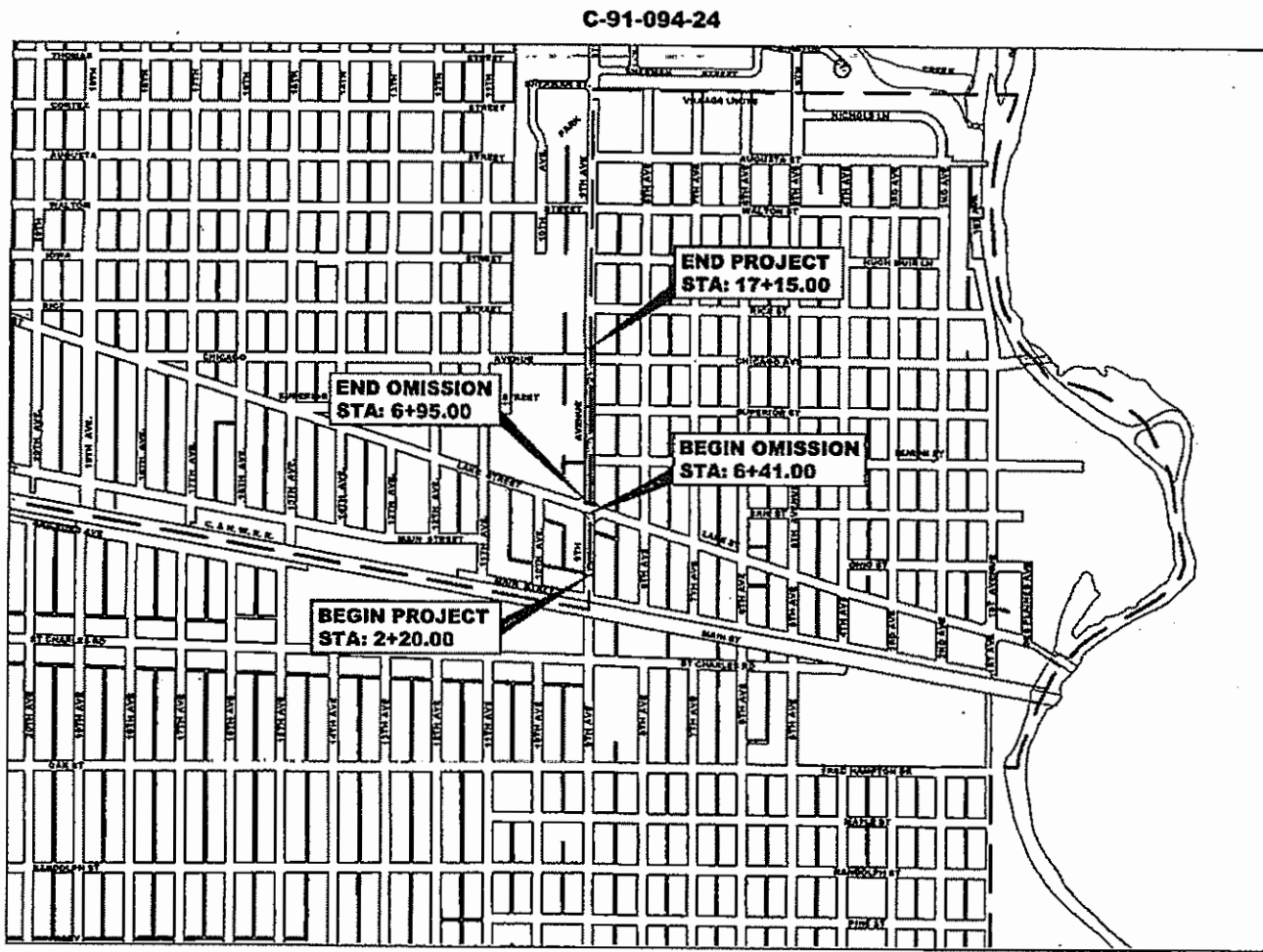
FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	1
ILLINOIS PROJECT				
CONTRACT NO. 61K40				



LOCATION OF SECTION INDICATED THUS:



♦ Civil Engineers 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 ♦ Municipal Consultants Phone: 708-865-0300  
 ♦ Established 1911 www.hancock.com



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

SECTION 3, TOWNSHIP 39, RANGE 12, 3RD PM PROVISIO TOWNSHIP  
LOCATION MAP  
NOT TO SCALE

CONTRACT NO. 61K40

GROSS LENGTH OF IMPROVEMENT = 1,495.00 FT = 0.283 MI  
NET LENGTH OF IMPROVEMENT = 1,441.00 FT = 0.273 MI

STATE OF ILLINOIS  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED: April 8 2024  
VILLAGE OF MELROSE PARK, PRESIDENT

APPROVED: April 8 2024  
VILLAGE OF MAYWOOD, PRESIDENT

PASSED: APRIL 11 2024  
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID  
BASED ON LIMITED  
REVIEW: April 11 2024  
 REGIONAL ENGINEER



SIGNED:   
DATE: 4-8-2024 LICENSE EXPIRES 11-30-25

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Drawing for: W:\Projects\by\_Miscel\Illinois\Proj\100023084 - 9th Ave Resurfacing (LMD) on 1.4.24 in\Cover.dwg Jan 09, 2024 - 8:02am  
FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL





Drawing file: W:\Projects\_by\_Village\Melrose Park\60023084 - 9th Ave Resurfacing (U&O) Ph 1 & I\Cover.dwg  
 Apr 08, 2024 - 7:48am  
 W:\Projects\_by\_Village\Melrose Park\60023084 - 9th Ave Resurfacing (U&O) Ph 1 & I\Cover.dwg



PROJECT LOCATED IN THE VILLAGE OF MAYWOOD & MELROSE PARK

- MWRD INTERCEPTOR
- TARP
- CONNECTION TO MWRD INTERCEPTOR
- CONNECTION TO TARP
- POINT OF DISCHARGE INTO LOCAL WATERWAY
- VILLAGE OF MELROSE PARK STORM RELIEF AND OVERFLOW SEWER

**NOTE:**  
 1. ALL SEWERS FROM PROJECT LOCATIONS TO DES PLAINES RIVER, MWRD INTERCEPTOR, OR TARP SYSTEM ARE OWNED AND MAINTAINED BY THE VILLAGE OF MELROSE PARK.

SECTION 2, 3, 10, 11, TOWNSHIP 39, RANGE 12, 3RD PM

PROVISIO TOWNSHIP  
 - PROJECT LOCATION  
 ROUTE OUTLET MAP

**HANCOCK ENGINEERING**  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9988 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-845-0300  
 www.hancock.com

DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-7-24

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

**M.W.R.D.G.C. ROUTE OUTLET MAP**  
 SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

F.A.U. RTE. 2733	SECTION 23-00144-00-RS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 4
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K40		
FED. AID PROJECT		E.H.E. PROJECT NO. 600-23-08401		

Drawing file: \\Projects\_by\_Village\Mainse Park\60023004 - 5th Ave Resurfacing (UAT) Ph 1 & 2\061615.dwg Apr 16, 2024 - 11:52am

SUMMARY OF QUANTITIES					Const. Type Code
					80% Federal/20% Local
SPLTY	Code No.	Description	Unit	Total Quantity	Resurfacing 005 Urban
	20800150	TRENCH BACKFILL	CU YD	20	20
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	550	550
	25200110	SODDING, SALT TOLERANT	SQ YD	550	550
	25200200	SUPPLEMENTAL WATERING	UNIT	30	30
	28000510	INLET FILTERS	EACH	23	23
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	10	10
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5430	5430
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAY	TON	30	30
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	190	190
	40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5,N50	TON	670	670
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	800	800
	40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	170	170
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	70	70
	42101300	PROTECTIVE COAT	SQ YD	660	660
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	60	60
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4130	4130



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 ♦ Municipal Consultants  
 ♦ Established 1911  
 9933 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-645-0200  
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 DRAWN - SFB, DMM  
 CHECKED - XX  
 DATE - 11-15-23

REVISED - 2-8-24  
 REVISED - 3-12-24  
 REVISED - 4-3-24  
 REVISED - 4-7-24

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

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 1 OF 5 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	5
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-23-08401	

SUMMARY OF QUANTITIES					Const. Type Code
					80% Federal/20% Local
SPLTY	Code No.	Description	Unit	Total Quantity	Resurfacing 005 Urban
	42400800	DETECTABLE WARNINGS	SQ FT	80	80
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	60	60
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	890	890
	44000600	SIDEWALK REMOVAL	SQ FT	4130	4130
	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	80	80
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	150	150
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	230	230
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	300	300
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	2	2
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	19	19
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	24	24
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	10	10
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	33	33
	60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	890	890
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	150	150

Drawing File: W:\Projects\by\_Village\Maine Per\1002084 - 9th Ave Resurfacing (LRF) Pl & I\Detail.dwg Apr 07, 2024 - 2:02pm


**HANCOCK ENGINEERING**  
 Civil Engineers  
 Municipal Consultants  
 Established 1911  
 9733 Roosevelt Road  
 Wheeling, IL 60154-2780  
 Phone: 708-665-0300  
 www.hancock.com

DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-7-24

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

<b>SUMMARY OF QUANTITIES</b>	
SCALE: NONE	SHEET NO. 2 OF 5 SHEETS
STA. -	TO STA. -

F.A.U. RIE. 2733	SECTION 23-00144-00-RS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 6
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			F.H.F. DISTRICT NO. 600-23-0221	

Drawing file: W:\Projects\_by\_Village\Merose Park\60023081 - 9th Ave Resurfacing (LAFD) Ph. 1 & 2\041115.dwg Apr 07, 2024 - 2:02pm

SUMMARY OF QUANTITIES					Const. Type Code
					80% Federal/20% Local
SPLTY	Code No.	Description	Unit	Total Quantity	Resurfacing 005 Urban
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
*	66901001	REGULATED SUBSTANCE PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	3
	67100100	MOBILIZATION	L SUM	1	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	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	2030	2030
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	670	670
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	87	87
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2730	2730
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	320	320
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1150	1150
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	230	230
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	170	170

**HANCOCK ENGINEERING**  
 1888 York St  
 Naperville, IL 60563  
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 ◆ Municipal Consultants  
 ◆ Established 1911

1931 Roosevelt Road  
 Wheaton, IL 60154-2790  
 Phone: 708-845-0300  
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DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-12-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>	
SCALE: NONE	SHEET NO. 3 OF 5 SHEETS
STA. -	TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	7
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-23-08401	

Drawing file: W:\Projects\by\_Village\Minerva Park\60023084 - 9th Ave Resurfacing (LAF) Ph. 1 & 2\Drawings.dwg Apr 26, 2024 - 7:07pm

SUMMARY OF QUANTITIES					Const. Type Code
					80% Federal/20% Local
SPLTY	Code No.	Description	Unit	Total Quantity	Resurfacing 005 Urban
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	33	33
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1106	1106
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	51	51
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR NO. 6 1C	FOOT	659	659
*	87900200	DRILL EXISTING HANDHOLE	EACH	3	3
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4
*	88600100	DETECTOR LOOP, TYPE 1	FOOT	895	895
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	1
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	573	573
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
*	89502376	REBUILD EXISTING HANDHOLE	EACH	2	2
*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	50	50
*	X1400378	PEDESTRIAN SIGNAL POST, 5FT	EACH	3	3
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	200	200
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	7860	7860



**HANCOCK**  
ENGINEERING

◆ Civil Engineers  
◆ Municipal Consultants  
◆ Established 1911

9533 Roosevelt Road  
Wheaton, IL 60154-0790  
Phone: 708-465-0300  
www.hancock.com

DESIGNED - ELS  
DRAWN - SFB, DMM  
CHECKED - XX  
DATE - 11-15-23

REVISED - 2-8-24  
REVISED - 3-12-24  
REVISED - 4-3-24  
REVISED - 4-7-24

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

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 4 OF 5 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	8
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-23-08401	



Drawing file: W:\Projects\_by\_Village\Illinois Park\00021884 - 9th Ave Resurfacing (LRF) Pk 1 & 1\Drawings.dwg Apr 26, 2024 - 7:07pm

SUMMARY OF QUANTITIES					Const. Type Code
					80% Federal/20% Local
SPLTY	Code No.	Description	Unit	Total Quantity	Resurfacing 005 Urban
	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	2	2
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15	15
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIA.	FOOT	12	12
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	405	405
	XX005770	STRUCTURE TO BE ABANDONED	EACH	1	1
	XX006448	PVC COMBINED SEWER PIPE REPLACEMENT, 10"	FOOT	20	20
	XX009633	STORM SEWER, PVC PIPE, TYPE 1 10"	FOOT	25	25
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51	51
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1



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 ♦ Established 1911  
 1933 Roosevelt Road  
 Wheeling, IL 60154-2790  
 Phone: 708-845-0900  
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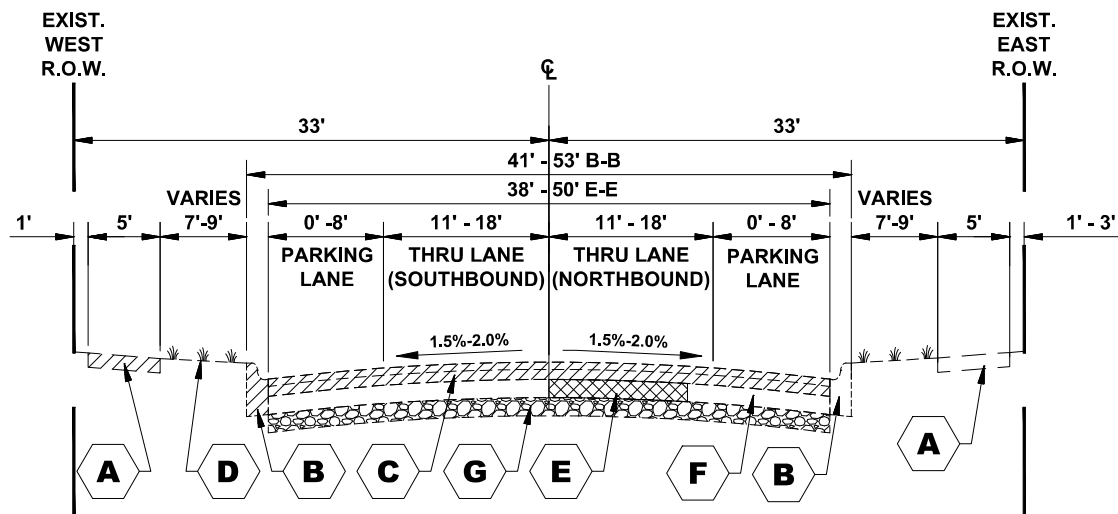
DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
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DATE - 11-15-23	REVISED - 4-7-24

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

SCALE: NONE		SHEET NO. 5 OF 5 SHEETS		STA. -	TO STA. -
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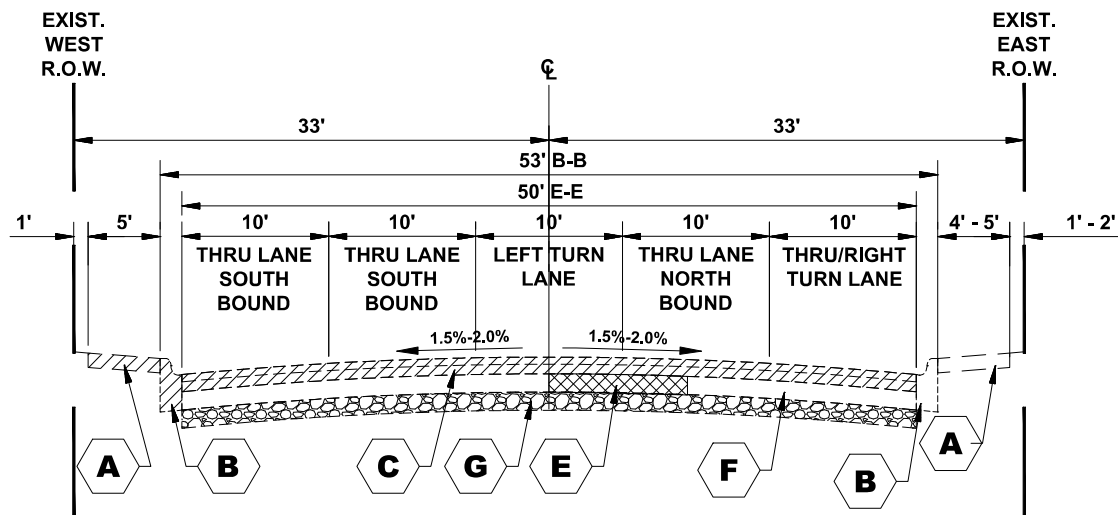
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2733	23-00144-00-RS	COOK	38	9
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61K40	
		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-23-08401



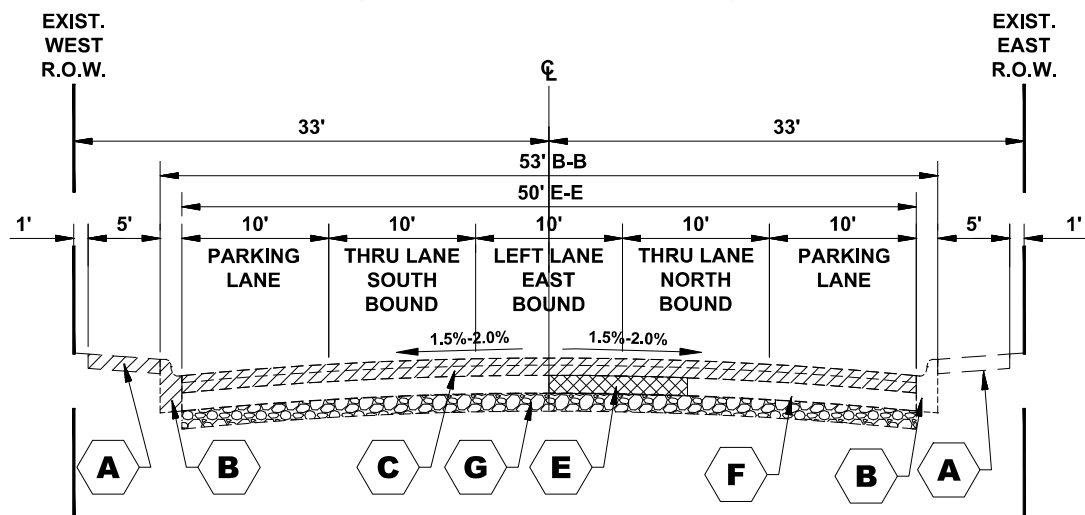
**EXISTING TYPICAL SECTION**

9TH AVENUE  
(STATION 2+20 TO STATION 5+00)



**EXISTING TYPICAL SECTION**

9TH AVENUE  
(STATION 5+00 TO STATION 6+41)



**EXISTING TYPICAL SECTION**

9TH AVENUE  
(STATION 6+95 TO STATION 8+18)

**TYPICAL CROSS SECTION LEGEND**

**EXISTING**

- A** EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND INTERMITTENT REMOVAL
- B** EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 AND INTERMITTENT REMOVAL
- C** HOT-MIX ASPHALT BINDER AND SURFACE COURSE REMOVAL, VARIABLE DEPTH (2" to 4")
- D** GRASS PARKWAY
- E** REMOVAL FOR CLASS D PATCH
- G** AGGREGATE SUB BASE

**LEGEND**

- REMOVAL ITEMS
- REMOVAL FOR PAVEMENT PATCHING

**RESURFACING OMISSION:  
STA 6+41 to STA 6+95**

Drawing file: W:\Projects\_by\_Village\Meiose Park\60023084 - 9th Ave Resurfacing (LRF) Ph 1 & II\Typical Sections\_04-02-24.dwg Apr 06, 2024 - 7:48am

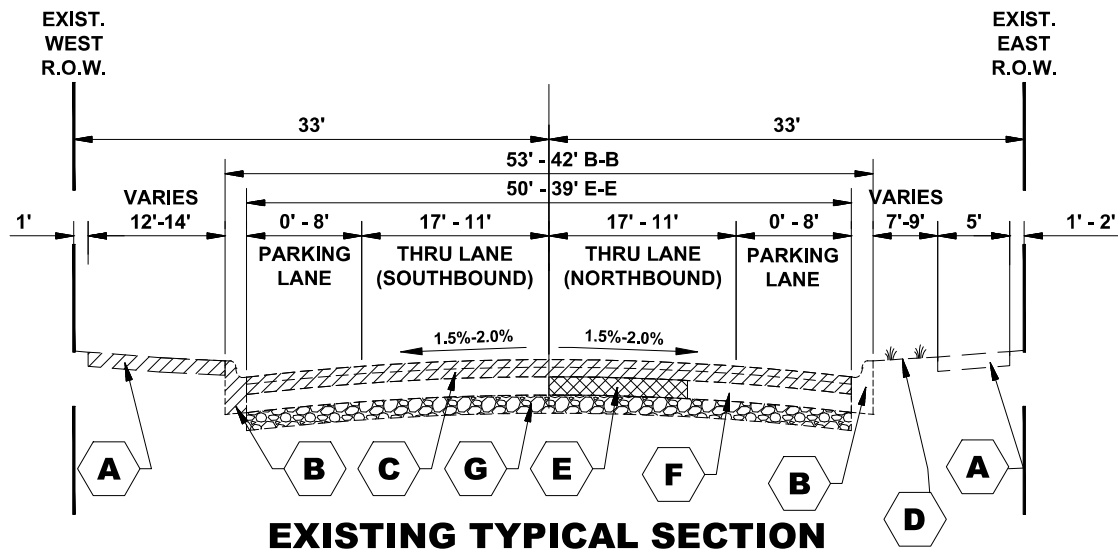
**HANCOCK ENGINEERING**  
 CMI Engineers  
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 Established 1911  
 9939 Roosevelt Road  
 Westchester, IL 60154-2780  
 Phone: 708-945-0900  
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DRAWN - SFB, DMM	REVISED - 3-12-24
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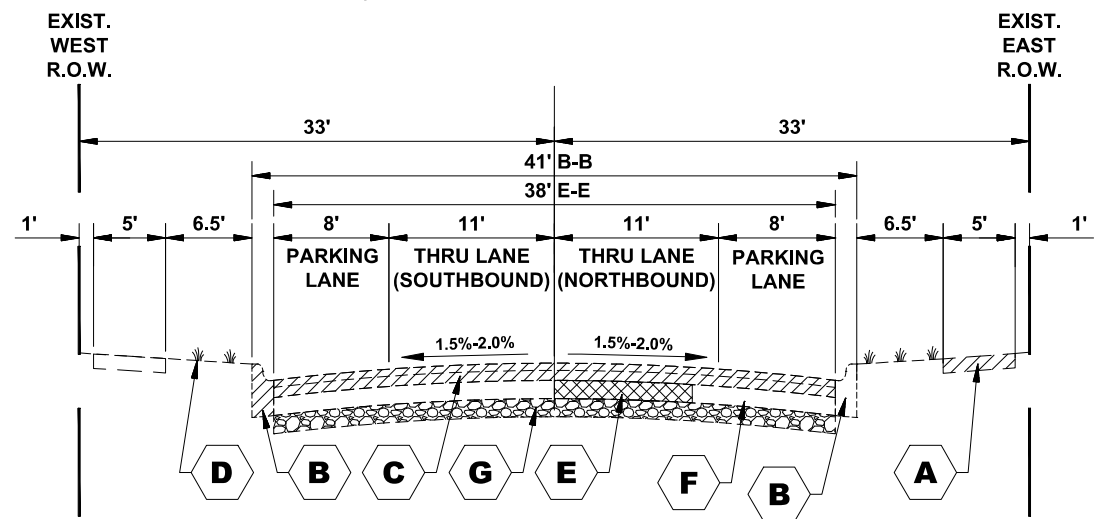
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING TYPICAL SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

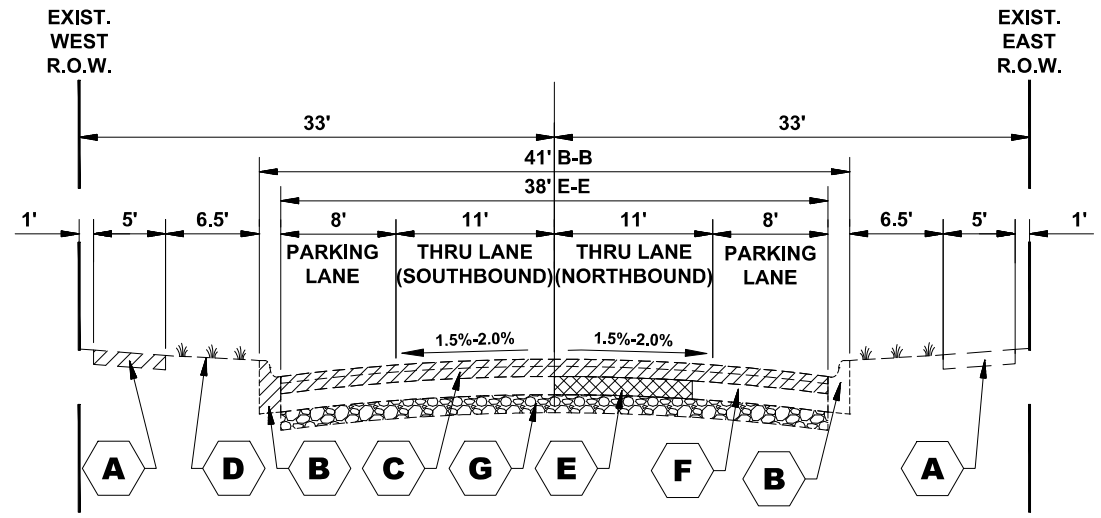
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	10
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-23-08401	



**EXISTING TYPICAL SECTION**  
 9TH AVENUE  
 (STATION 8+18 TO STATION 9+70)



**EXISTING TYPICAL SECTION**  
 9TH AVENUE  
 (STATION 9+70 TO STATION 13+00)



**EXISTING TYPICAL SECTION**  
 9TH AVENUE  
 (STATION 13+00 TO STATION 17+15)

**TYPICAL CROSS SECTION LEGEND**

- EXISTING**
- A** EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND INTERMITTENT REMOVAL
  - B** EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 AND INTERMITTENT REMOVAL
  - C** HOT-MIX ASPHALT BINDER AND SURFACE COURSE REMOVAL, VARIABLE DEPTH (2" to 4")
  - D** GRASS PARKWAY
  - E** REMOVAL FOR CLASS D PATCH
  - F** 6" PCC BASE COURSE
  - G** AGGREGATE SUB BASE

**LEGEND**

- REMOVAL ITEMS
- REMOVAL FOR PAVEMENT PATCHING

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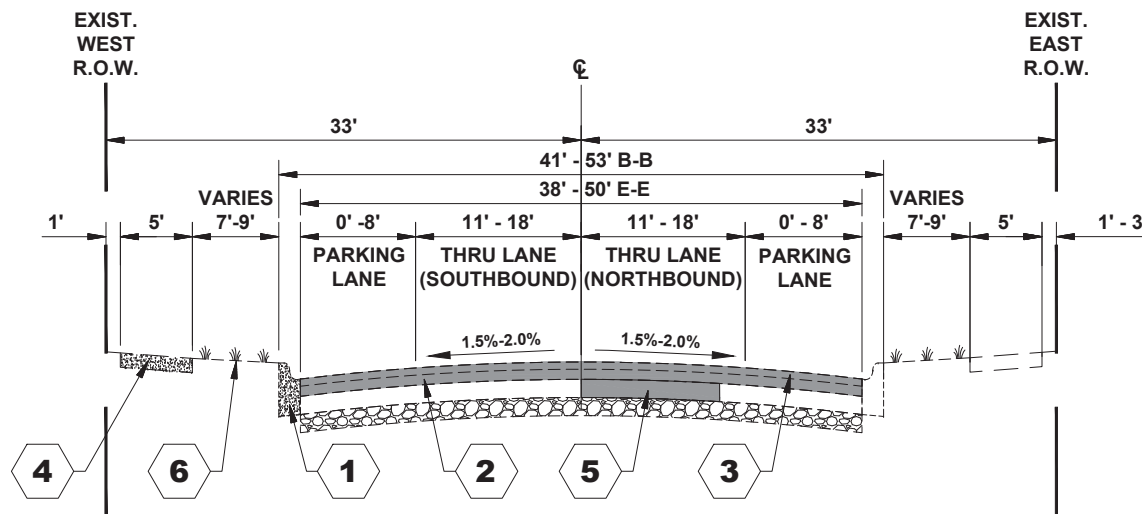
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

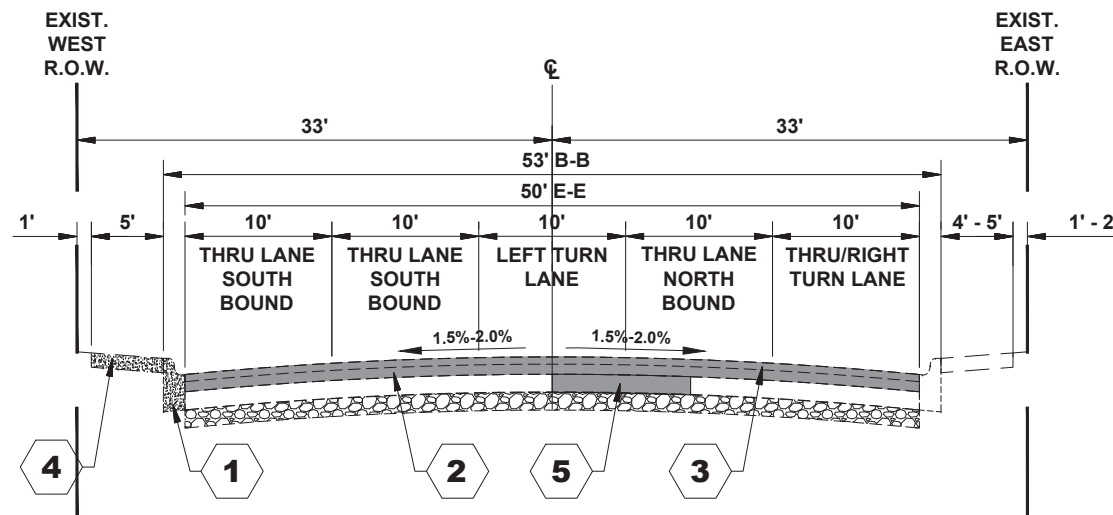
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	11
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-23-08401	



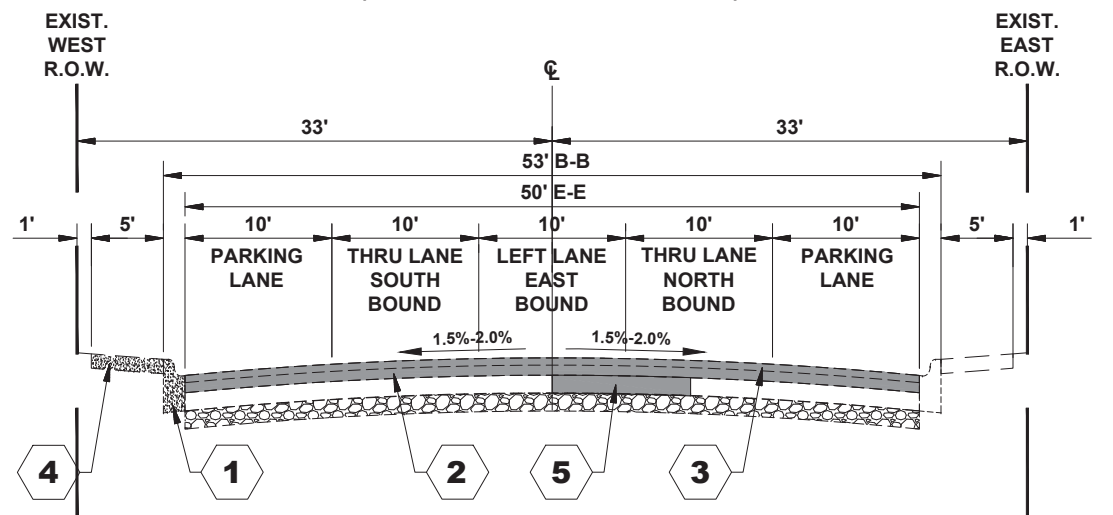
**PROPOSED TYPICAL SECTION**

9TH AVENUE  
(STATION 2+20 TO STATION 5+00)



**PROPOSED TYPICAL SECTION**

9TH AVENUE  
(STATION 5+00 TO STATION 6+41)



**PROPOSED TYPICAL SECTION**

9TH AVENUE  
(STATION 6+95 TO STATION 8+18)

**TYPICAL CROSS SECTION LEGEND**

**PROPOSED**

- 1 PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
- 3 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 1-3/4"
- 4 PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 5 PAVEMENT PATCHING, 6"
- 6 PROPOSED TOPSOIL FURNISH AND PLACE, 4" AND PROPOSED SODDING, SALT TOLERANT

**LEGEND**

- PROPOSED CONCRETE
- PROPOSED HOT-MIX ASPHALT

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOT-MIX ASPHALT SURFACE COURSE, IL - 9.5, MIX D, N50, 1 1/4"	4% @ 50 Gyr	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL - 9.5, N50, 1 1/2"	4% @ 50 Gyr	LR 1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING (HMA SURFACE COURSE, IL - 9.5, MIX D, N50, 3" (IN 2 LIFTS)	4% @ 50 Gyr	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

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

**RESURFACING OMISSION:  
STA 6+41 to STA 6+95**

Drawing file: W:\Projects\_by\_Village\Meiose Park\60023084 - 9th Ave Resurfacing (UAF) Ph 1 & II\Typical Sections\_04-02-24.dwg Apr 16, 2024 - 2:10pm

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 1100 York Street  
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 ◆ Established 1911

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 Westchester, IL 60154-2282  
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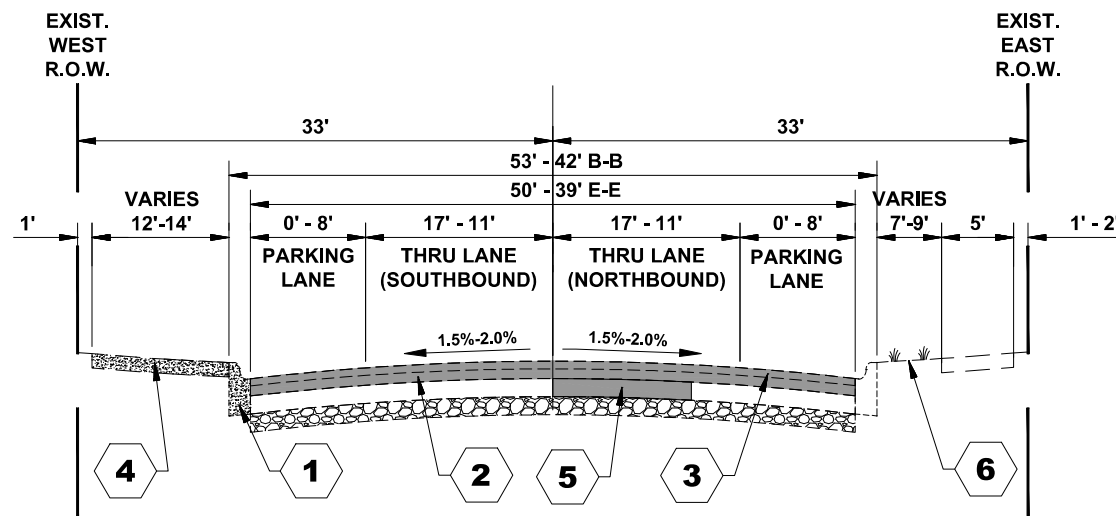
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DRAWN -- SFB, DMM	REVISED -- 3-12-24
CHECKED -- XX	REVISED -- 4-3-24
DATE -- 11-15-23	REVISED -- 4-16-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS  
AND HMA MIXTURES CHART**

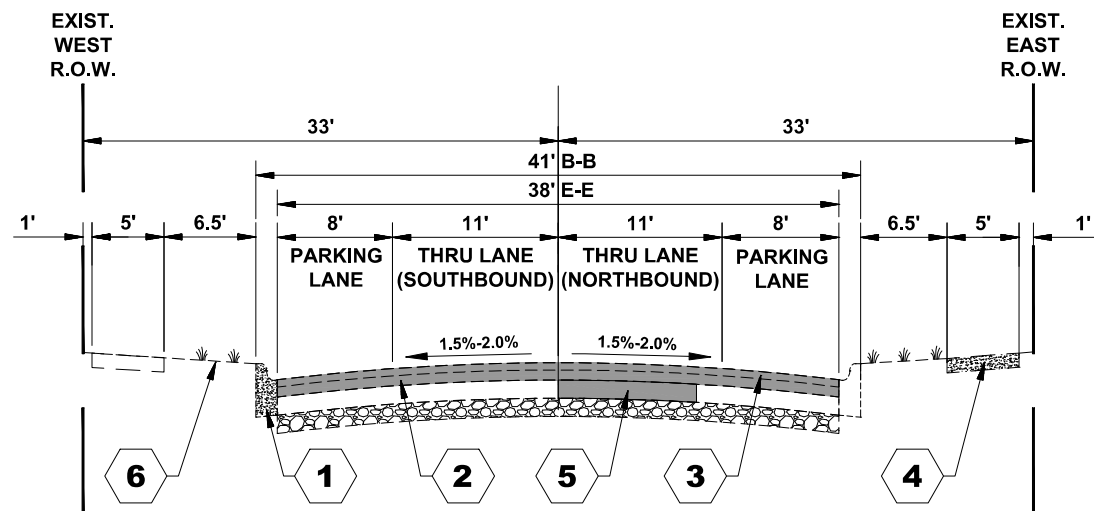
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	12
FED. ROAD DIST. NO. 1   ILLINOIS				CONTRACT NO. 61K40
FED. AID PROJECT				E.H.E. PROJECT NO. 600-23-08401



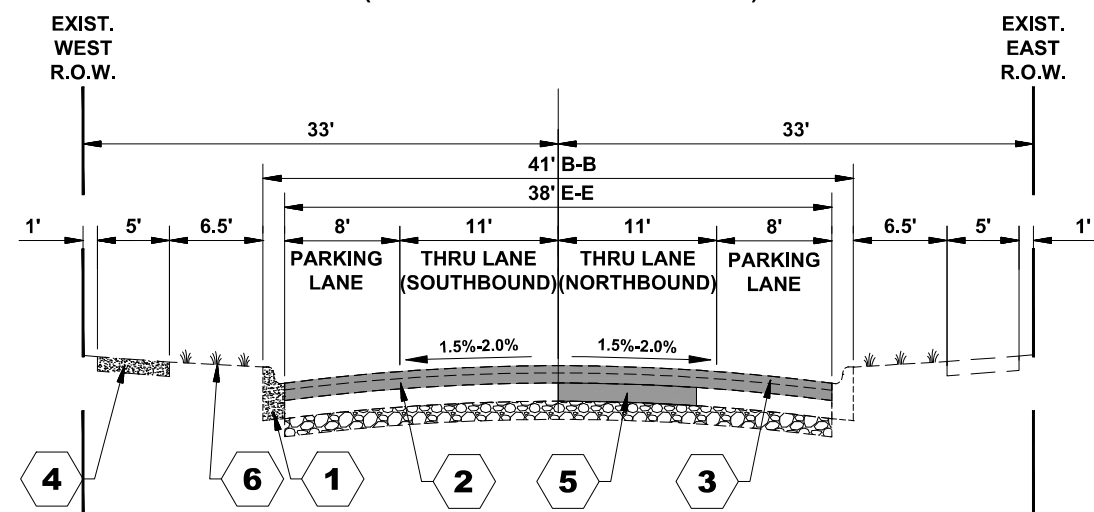
**PROPOSED TYPICAL SECTION**

9TH AVENUE  
(STATION 8+18 TO STATION 9+70)



**PROPOSED TYPICAL SECTION**

9TH AVENUE  
(STATION 9+70 TO STATION 13+00)



**PROPOSED TYPICAL SECTION**

9TH AVENUE  
(STATION 13+00 TO STATION 17+15)

**TYPICAL CROSS SECTION LEGEND**

**PROPOSED**

- 1 PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1-1/2"
- 3 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50, 1-3/4"
- 4 PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 5 PAVEMENT PATCHING, 6"
- 6 PROPOSED TOPSOIL FURNISH AND PLACE, 4" AND PROPOSED SODDING, SALT TOLERANT

**LEGEND**

- PROPOSED CONCRETE
- PROPOSED HOT-MIX ASPHALT

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 9939 Roosevelt Road  
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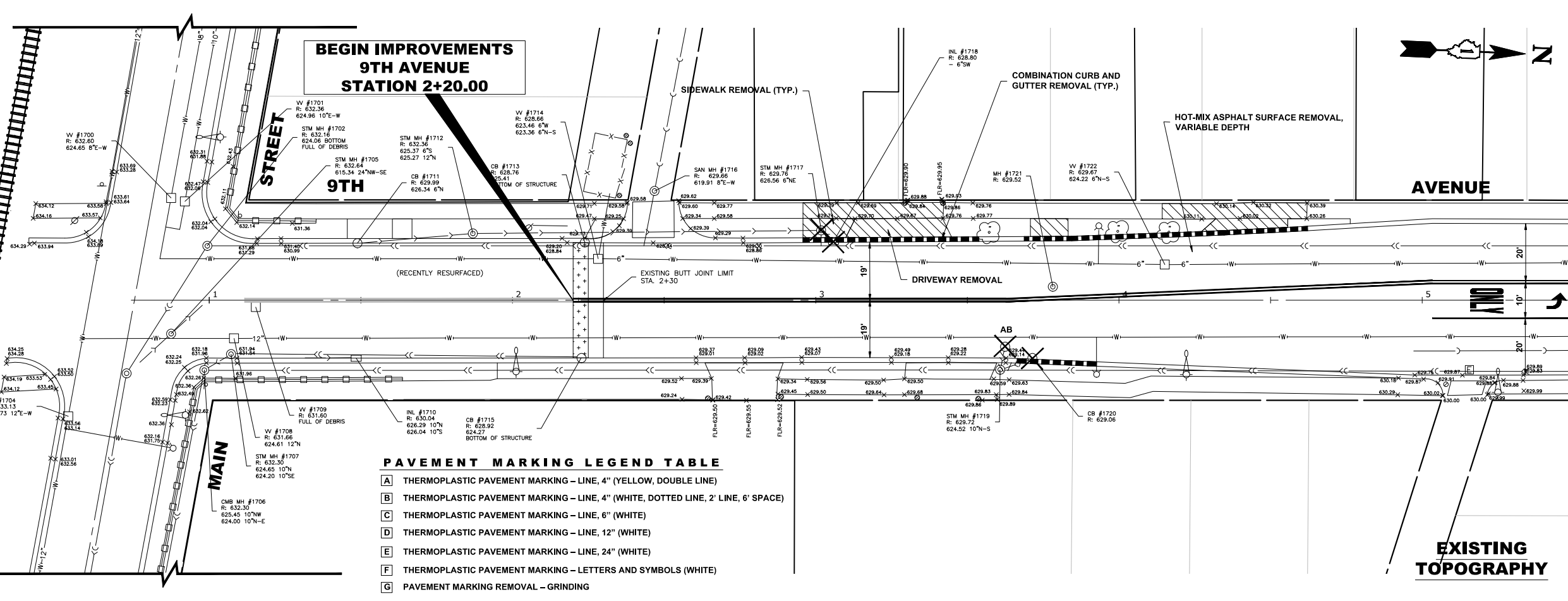
DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-7-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED TYPICAL SECTIONS</b>			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	13
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K40	
FED. AID PROJECT			E.H.E. PROJECT NO. 600-23-08401	

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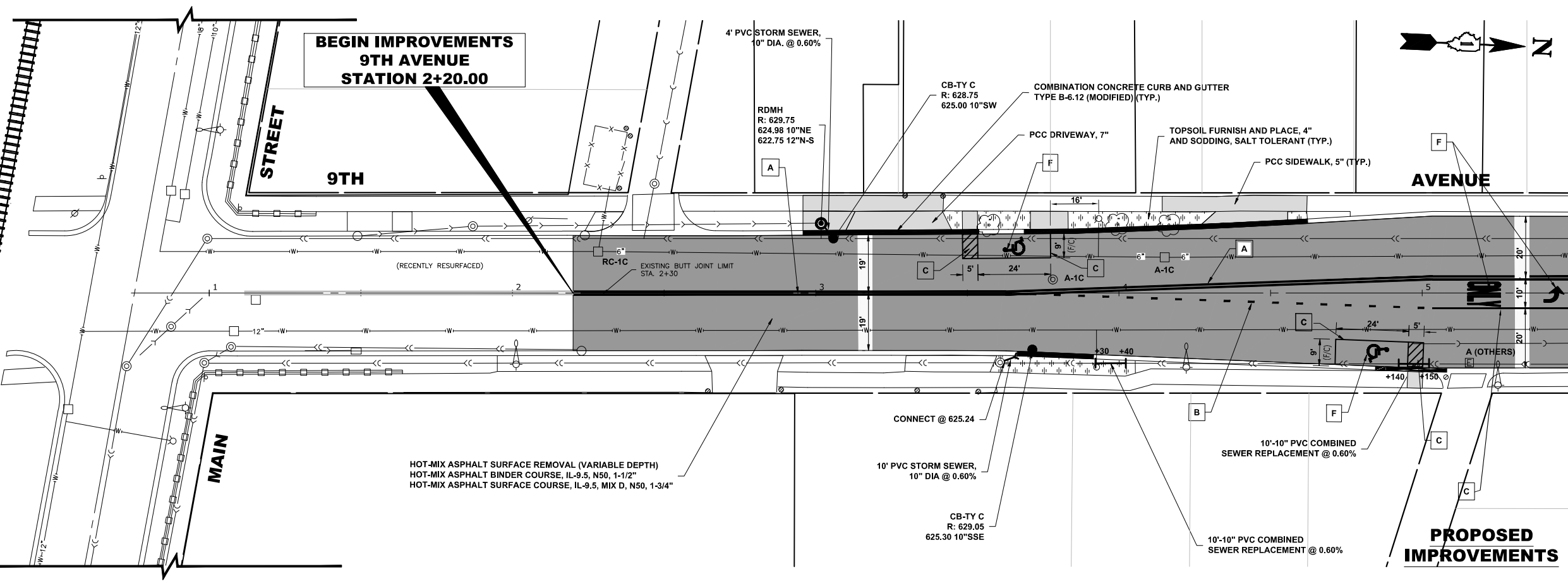


**PAVEMENT MARKING LEGEND TABLE**

A	THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW, DOUBLE LINE)
B	THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, DOTTED LINE, 2' LINE, 6' SPACE)
C	THERMOPLASTIC PAVEMENT MARKING - LINE, 6" (WHITE)
D	THERMOPLASTIC PAVEMENT MARKING - LINE, 12" (WHITE)
E	THERMOPLASTIC PAVEMENT MARKING - LINE, 24" (WHITE)
F	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
G	PAVEMENT MARKING REMOVAL - GRINDING

**LEGEND OF SYMBOLS**  
(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
+	PROPOSED HOT-MIX ASPHALT BUTT JOINT
[Brick pattern]	REMOVE AND REINSTALL BRICK PAVER
[Concrete pattern]	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
[Hatched pattern]	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
RC	STRUCTURE TO BE RECONSTRUCTED
R+R	STRUCTURE TO BE REPLACED
[Fire hydrant symbol]	EXISTING FIRE HYDRANT
[Water valve symbol]	EXISTING WATER VALVE BOX
[Water main vault symbol]	EXISTING WATER MAIN VALVE VAULT
[Proposed water main vault symbol]	PROPOSED WATER MAIN VALVE VAULT
[Storm sewer inlet symbol]	EXISTING STORM SEWER INLET
[Proposed storm sewer inlet symbol]	PROPOSED STORM SEWER INLET
[Storm sewer catch basin symbol]	EXISTING STORM SEWER CATCH BASIN
[Proposed storm sewer catch basin symbol]	PROPOSED STORM SEWER CATCH BASIN
[Sewer manhole symbol]	EXISTING SEWER MANHOLE
[Proposed sewer manhole symbol]	PROPOSED SEWER MANHOLE
[Street light pole symbol]	EXISTING STREET LIGHT POLE
[Power pole symbol]	EXISTING POWER POLE
[Handhole symbol]	EXISTING HANDHOLE
[Existing curb and gutter symbol]	EXISTING CURB AND GUTTER
[Proposed concrete curb symbol]	PROPOSED CONCRETE CURB, TYPE B
[Proposed combination concrete curb symbol]	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
[Existing storm sewer symbol]	EXISTING STORM SEWER
[Existing combined sewer symbol]	EXISTING COMBINED SEWER
[Existing water main symbol]	EXISTING WATER MAIN
[1% chance flood plaine symbol]	1% CHANCE FLOOD PLAINE
[Sidewalk or driveway removal symbol]	SIDEWALK OR DRIVEWAY REMOVAL
[Curb and gutter removal symbol]	CURB AND GUTTER REMOVAL
[Topsoil furnish and place symbol]	TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT



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DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-10-24

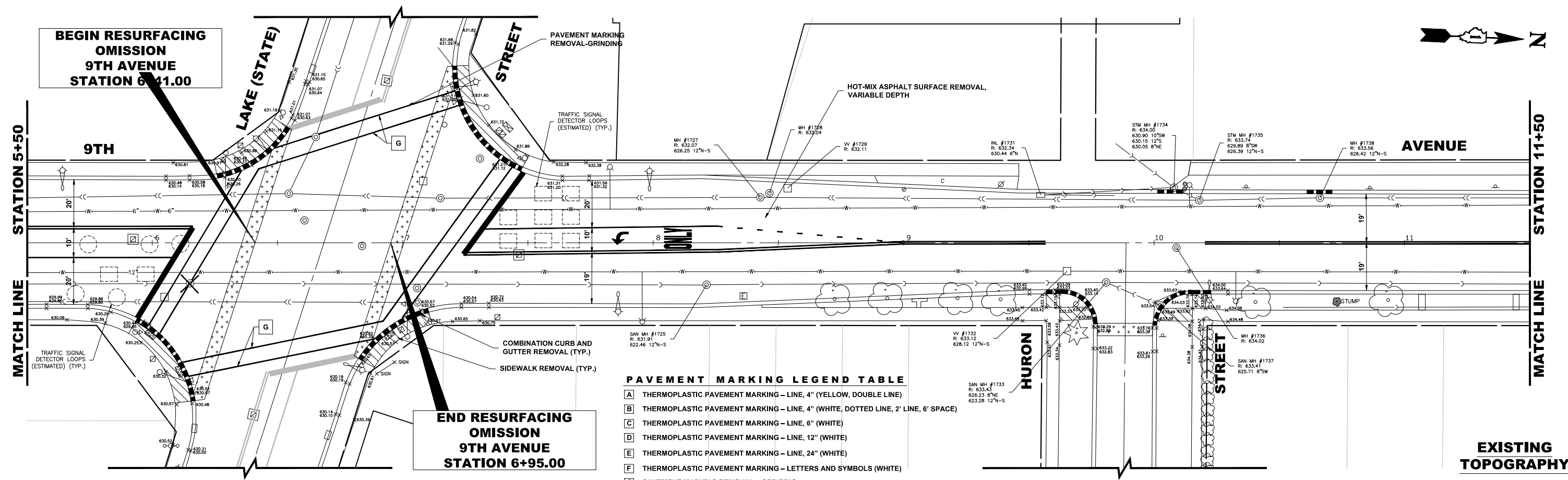
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING & PAVEMENT MARKING PLAN**

SCALE: 1" = 20'  
 SHEET NO. 1 OF 3 SHEETS  
 STA. 2+15 TO STA. 5+50

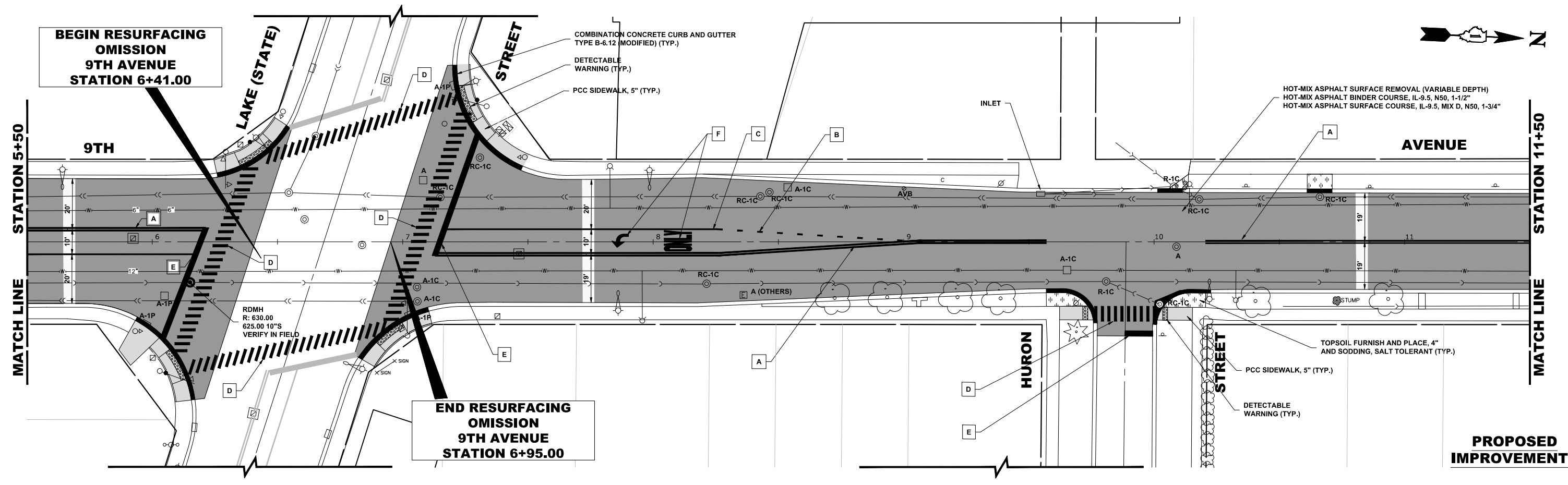
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	14
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K40		
FED. AID PROJECT		E.H.E. PROJECT NO. 600-23-08401		

Drawing file: W:\Projects\_by\_Village\Wetmore Park\60023084 - 9th Ave Resurfacing (L&P) Ph. I & II\Site\9th Ave Resurfacing.dwg Apr 08, 2024 - 7:37am



**PAVEMENT MARKING LEGEND TABLE**

A	THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW, DOUBLE LINE)
B	THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (WHITE, DOTTED LINE, 2' LINE, 6" SPACE)
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F	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
G	PAVEMENT MARKING REMOVAL - GRINDING



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DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-7-24

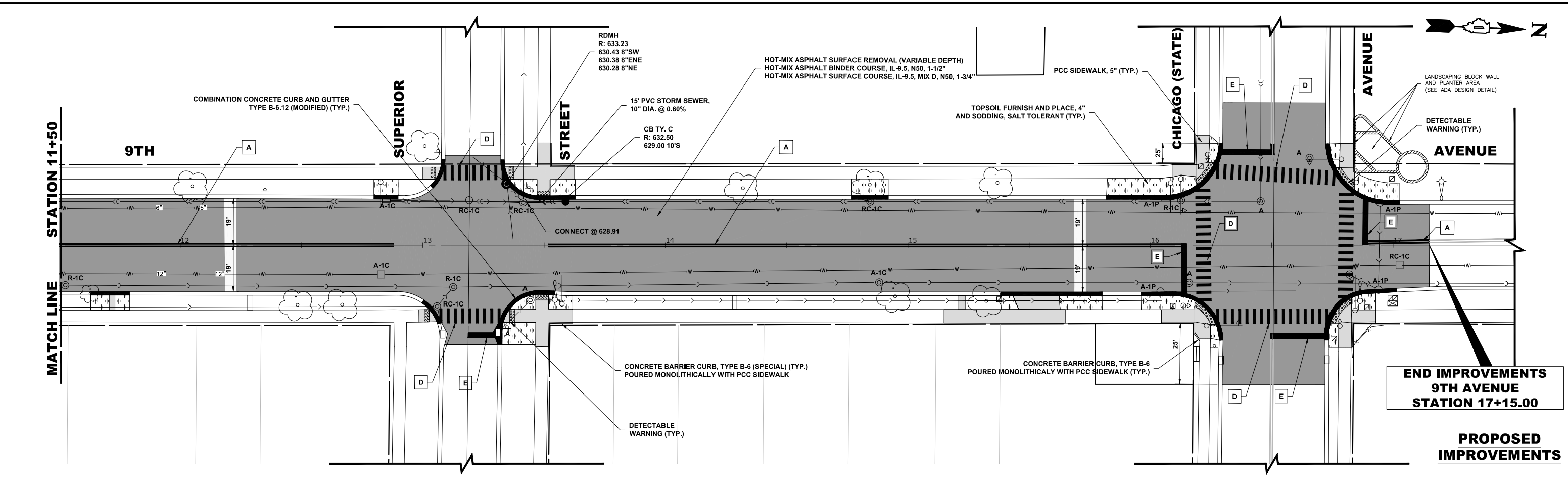
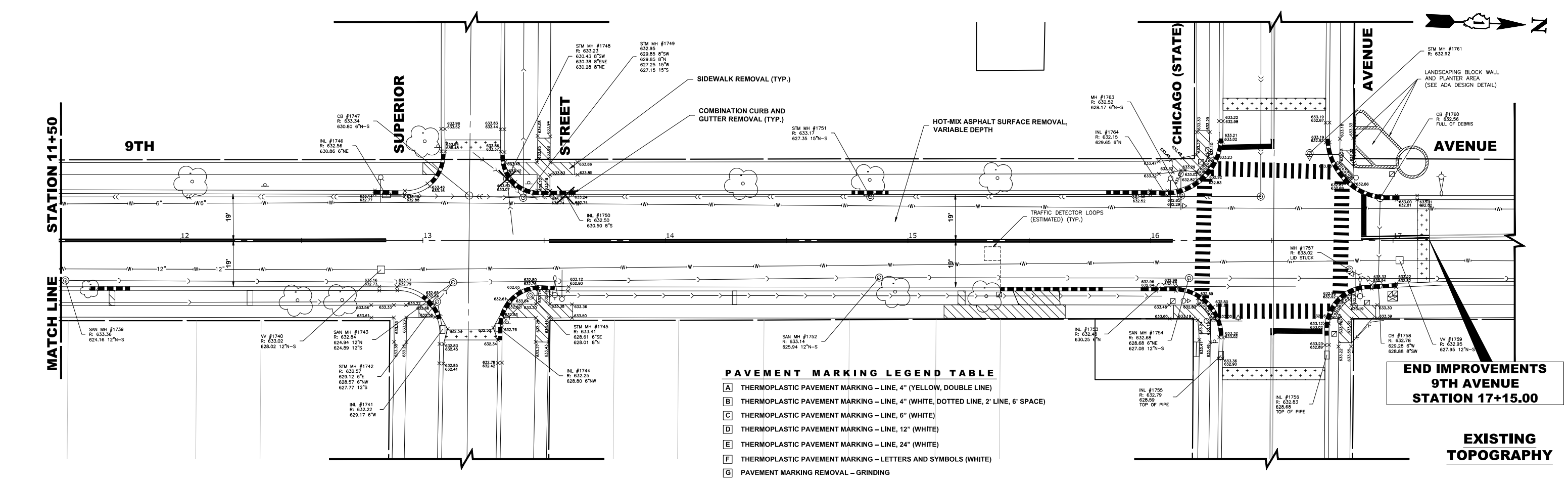
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RESURFACING &  
 PAVEMENT MARKING PLAN**

SCALE: 1" = 20'  
 SHEET NO. 2 OF 3 SHEETS  
 STA. 5+50 TO STA. 11+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	15
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61K40	
E.H.E. PROJECT NO. 600-23-08401			FED. AID PROJECT	

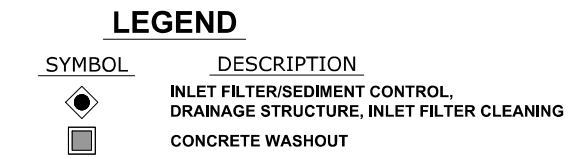
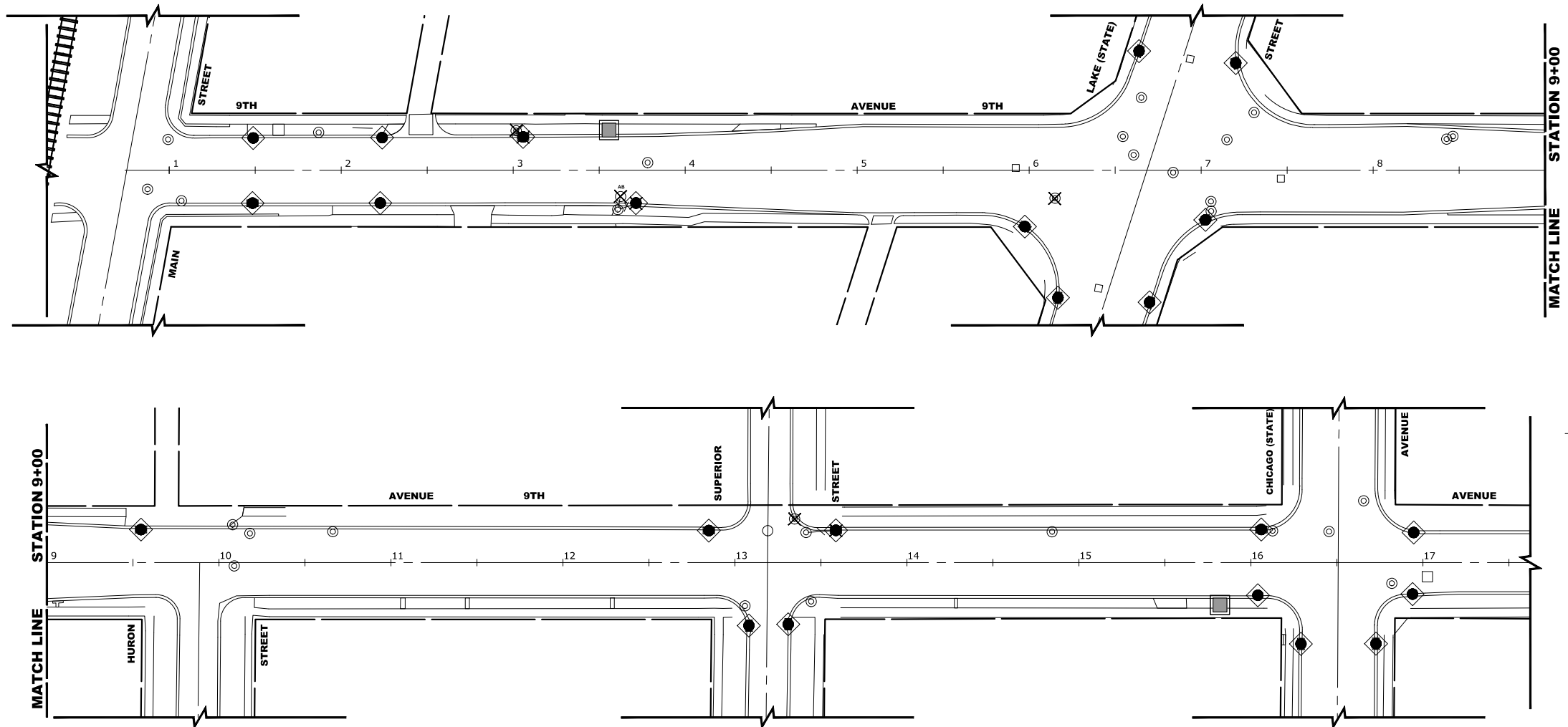
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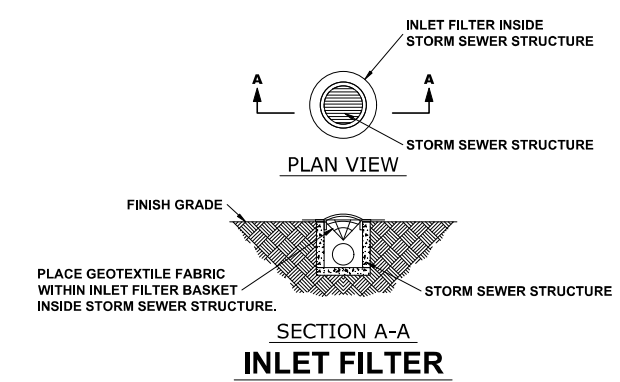
	DESIGNED - ELS DRAWN - SFB, DMM CHECKED - XX DATE - 11-15-23	REVISED - 2-8-24 REVISED - 3-12-24 REVISED - 4-3-24 REVISED - 4-7-24	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RESURFACING &amp; PAVEMENT MARKING PLAN</b>	F.A.U. R.T.E. 2733 SECTION 23-00144-00-RS COUNTY COOK TOTAL SHEETS 38 SHEET NO. 16 CONTRACT NO. 61K40 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
	SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 11+50 TO STA. 17+15			E.H.E. PROJECT NO. 600-23-08401	



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 Apr 08, 2024 - 7:49am



- ### CONSTRUCTION SEQUENCE :
1. INSTALL EROSION CONTROL MEASURES
  2. COMPLETE ALL UNDERGROUND WORK
  3. PAVEMENT PATCHING
  4. RESURFACE PAVEMENTS
  5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
  6. REMOVE EROSION CONTROL MEASURES



## EROSION AND SEDIMENT CONTROL PLAN

THE EXISTING LAND COVER CONSISTS OF PAVED STREETS WITH MINOR GRASS PARKWAYS LOCATED IN A RESIDENTIAL AREA. THE AREAS ADJACENT TO THE PROJECT SITE ARE COMPRISED OF DENSE RESIDENTIAL PROPERTIES. FLOOD PROTECTION AREAS AND POINTS OF DISCHARGE TO JURISDICTIONAL WATERS OF THE U.S. DO NOT EXIST ON THIS PROJECT. WE DO NOT BELIEVE THERE ARE ANY AREAS SUSCEPTIBLE TO EROSION OR SEDIMENTATION DUE TO THESE IMPROVEMENTS. SOIL DATA IS NOT AVAILABLE BUT, PAST PROJECTS IN THE SUBJECT VILLAGE CONCLUDE THAT THE EXISTING SOIL CONSISTS OF CLAY WITH SOME MINOR SILT AND TRACES OF SAND.

PRIOR TO ANY SOIL/PAVEMENT DISTURBANCE, INLET FILTER ASSEMBLIES SHALL BE INSTALLED AS SHOWN ON PLANS.

THE INLET FILTER, PRIMARY PURPOSE IS TO TRAP SEDIMENT, REQUIRED FOR THIS PROJECT WILL BE A DROP IN INLET PROTECTION DEVICE SIMILAR TO FLEXSTORM INLET FILTERS. INLET FILTERS OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

THE INLET FILTER ASSEMBLY SHALL BE APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO ORDERING AND INSTALLATION. THE INLET FILTER SHALL BE INSPECTED WEEKLY AND AFTER A 0.5 INCH RAIN EVENT BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED INLET FILTER WILL BE PER MANUFACTURE RECOMMENDATIONS AND WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE INSPECTION AFTER A RUNOFF EVENT, SEDIMENT REMOVAL AT 50% CAPACITY, AND

REPAIRS/REPLACEMENT AS NEEDED.

PRIOR TO ANY PORTLAND CEMENT CONCRETE (PCC) POUR, CONCRETE WASHOUT BOXES SHALL BE INSTALLED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

CONCRETE WASHOUT BOXES, PRIMARY PURPOSE IS TO CONTAIN CONCRETE LIQUIDS AND PREVENT CONCRETE LIQUID RUNOFF FROM ENTERING SEWERS OR WATERWAYS, REQUIRED FOR THIS PROJECT WILL CONSIST OF A BARRIER WALL LINED WITH 30-MIL POLYETHYLENE OR AN ENGINEER APPROVED EQUAL WASHOUT. CONCRETE WASHOUT BOXES OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

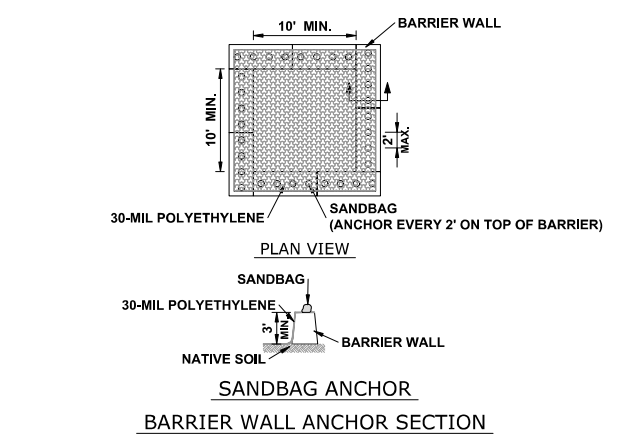
THE PLAN FOR THE CONCRETE WASHOUT BOX SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO INSTALLATION AND WILL BE INSPECTED AFTER INSTALLATION. THE WASHOUT BOX SHALL BE INSPECTED PRIOR TO A CONCRETE POUR AND AFTER A CONCRETE POUR BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE REPLACING DAMAGED LINER, DISPOSING OF SOLIDIFIED CONCRETE WASHOUT, AND REMOVAL OF ANY DISCHARGES WITHIN 24 HOURS.

ALL DISPOSAL OF CONSTRUCTION MATERIAL, AND SOLIDIFIED CONCRETE SHALL BE AT A CCDD (CLEAN CONSTRUCTION AND DEMOLITION DEBRIS) FACILITY

## NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. INLET FILTERS SHALL BE PAID FOR UNDER THE PAY ITEM FOR MAINTENANCE OF ROADWAYS. THE COST OF THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
6. INLET FILTER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED. FILTERS WILL BE INSPECTED WEEKLY AND THE CONTRACTOR WILL BE NOTIFIED OF ANY CORRECTIVE MEASURES THAT WILL BE REQUIRED TO BE MADE BY THE CONTRACTOR.



## NOTES

1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

## CONCRETE WASHOUT

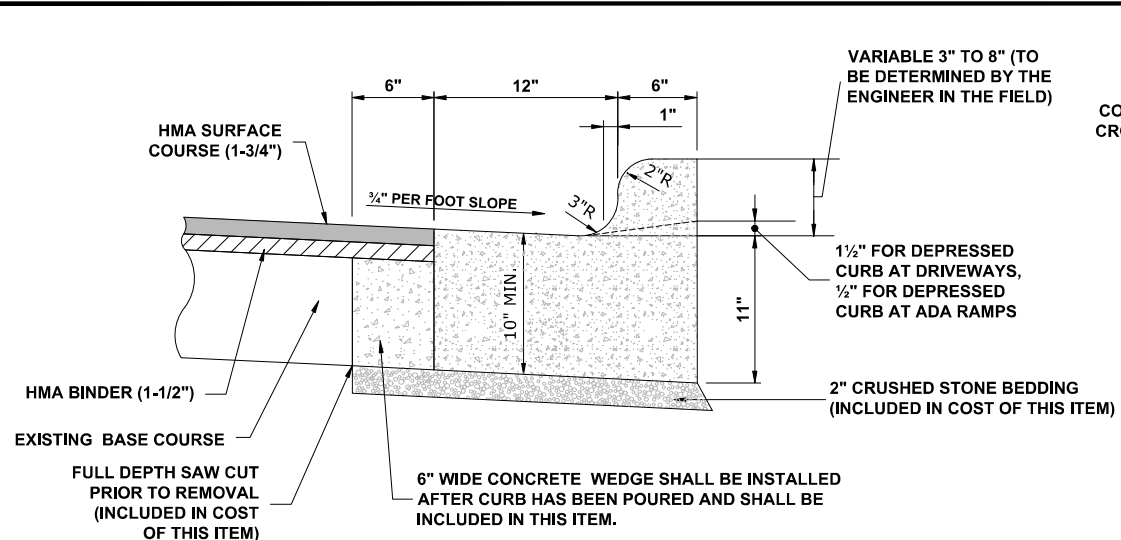
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DESIGNED	— ELS	REVISED	— 2-8-24
DRAWN	— SFB, DMM	REVISED	— 3-12-24
CHECKED	— XX	REVISED	— 4-3-24
DATE	— 11-15-23	REVISED	— 4-7-24

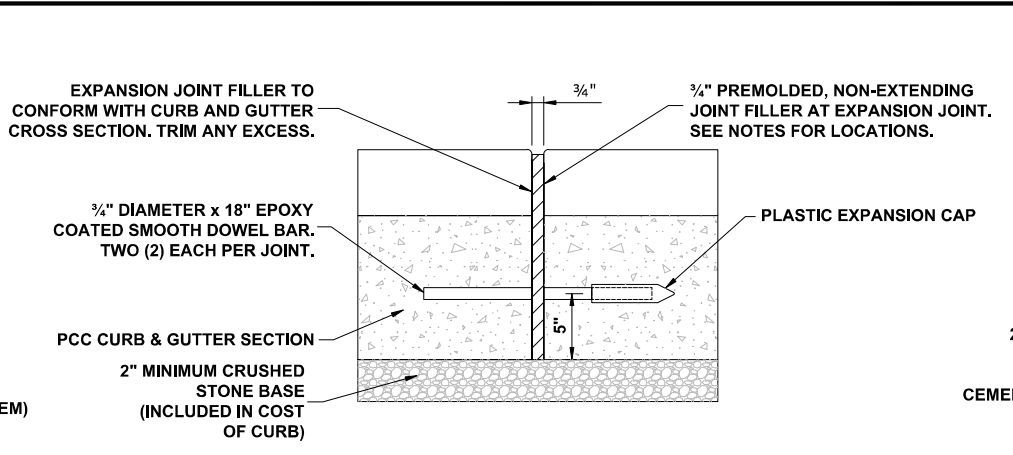
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**  
 SCALE: 1" = 40'  
 SHEET NO. 1 OF 1 SHEETS  
 STA. 1+00 TO STA. 17+50

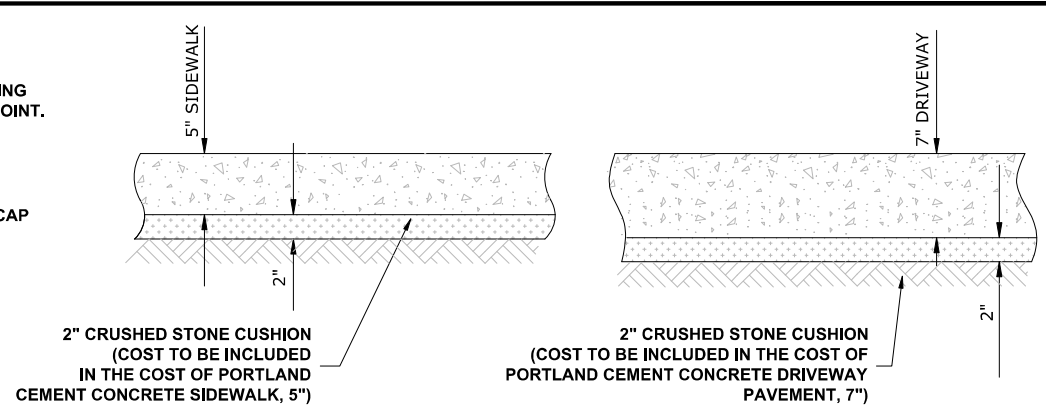
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	17
CONTRACT NO. 61K40			FED. AID PROJECT	
E.H.E. PROJECT NO. 600-23-08401				



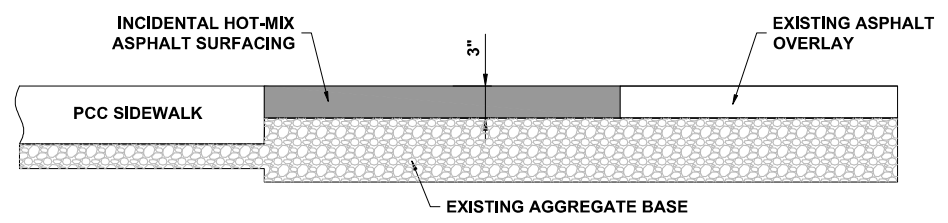
**COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)**



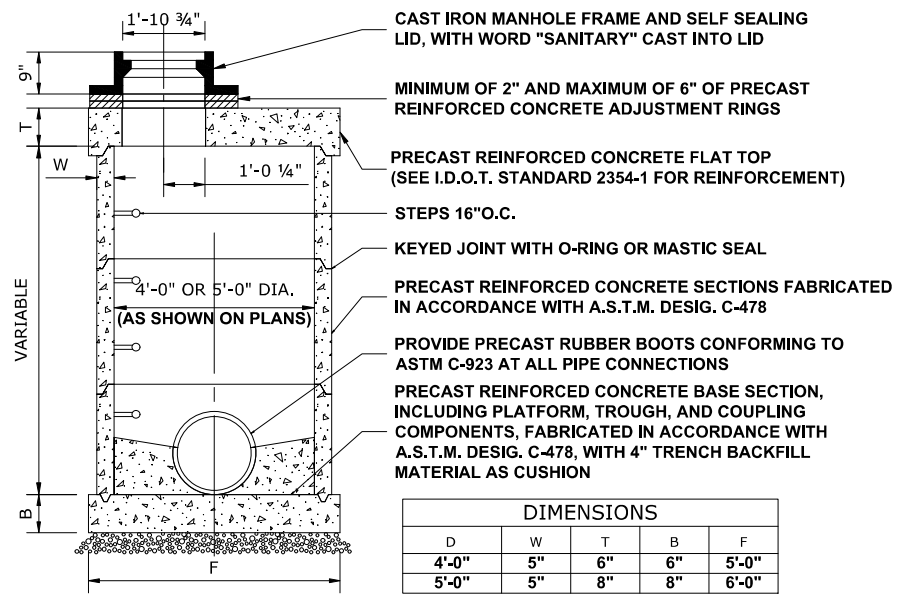
**TYPICAL CURB AND GUTTER EXPANSION JOINT**



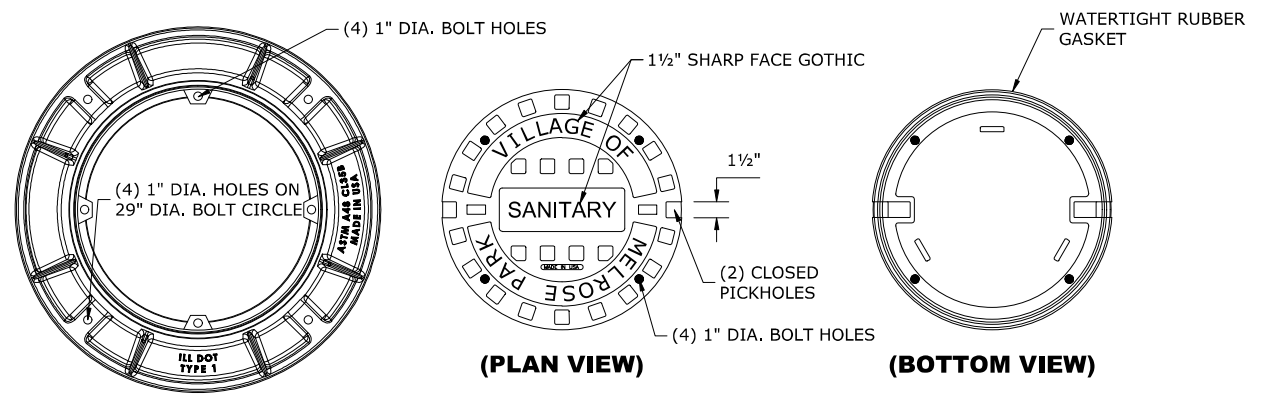
**TYPICAL P.C.C. SIDEWALK & DRIVEWAY**



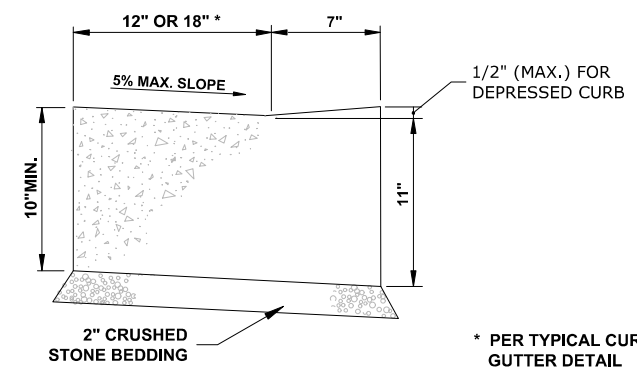
**INCIDENTAL HOT-MIX ASPHALT SURFACE**



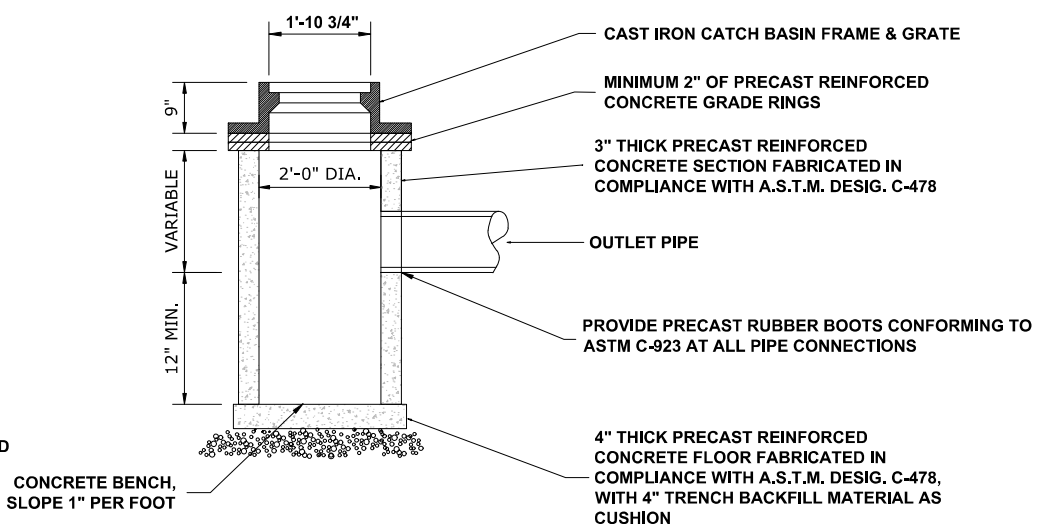
**RESTRICTED DEPTH COMBINED/SANITARY MANHOLE**



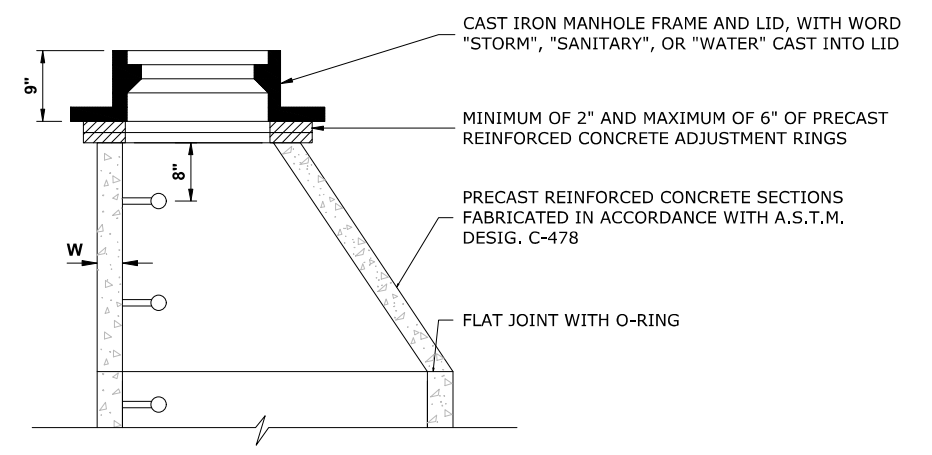
**WATERTIGHT BOLT DOWN FRAME AND LID**



**CURB AND GUTTER AT A.D.A. RAMPS**



**TY "C" CATCH BASIN**



**STRUCTURE RECONSTRUCTION**

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DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-7-24

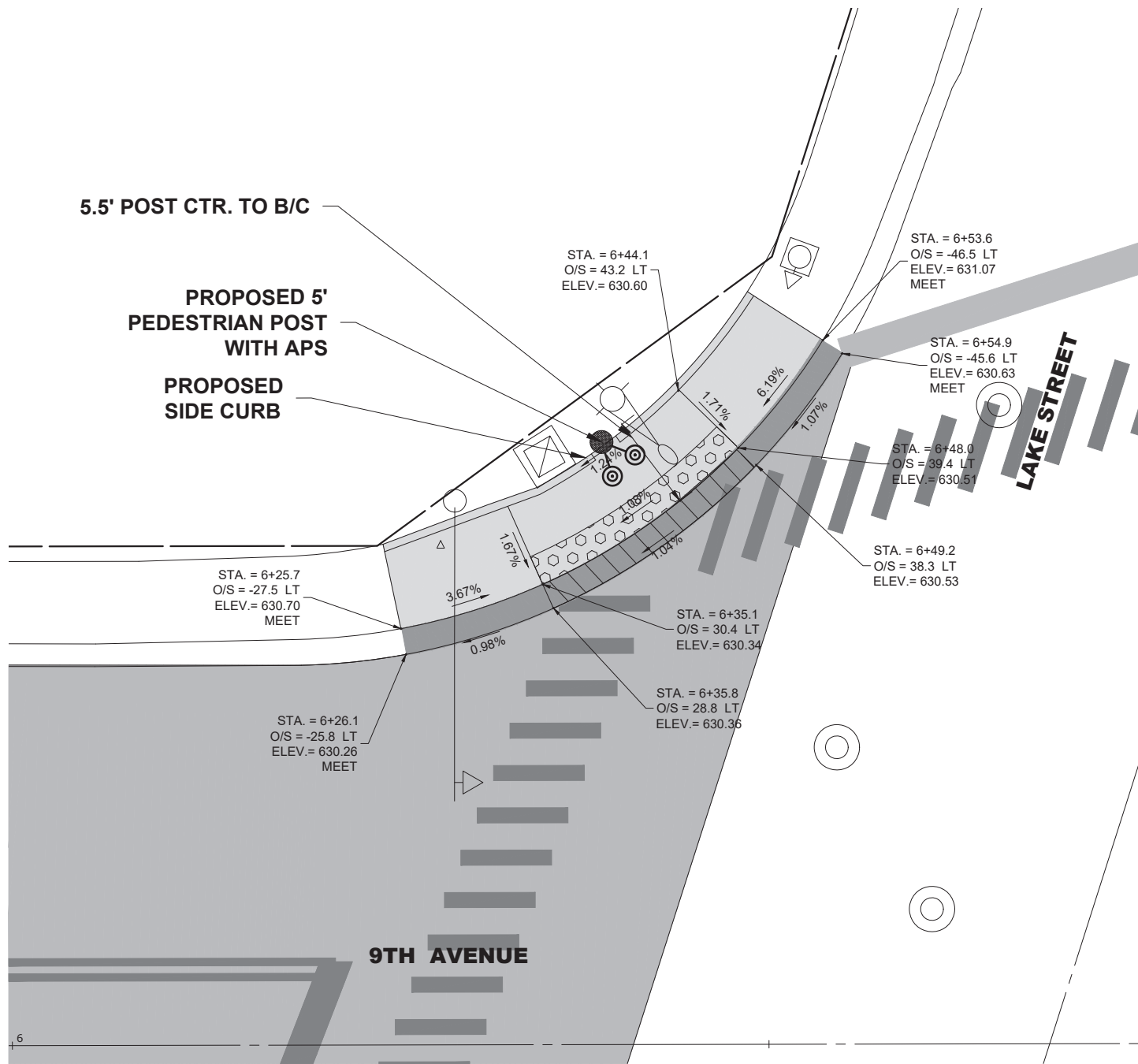
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**JOB SPECIFIC VILLAGE DETAILS**  
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

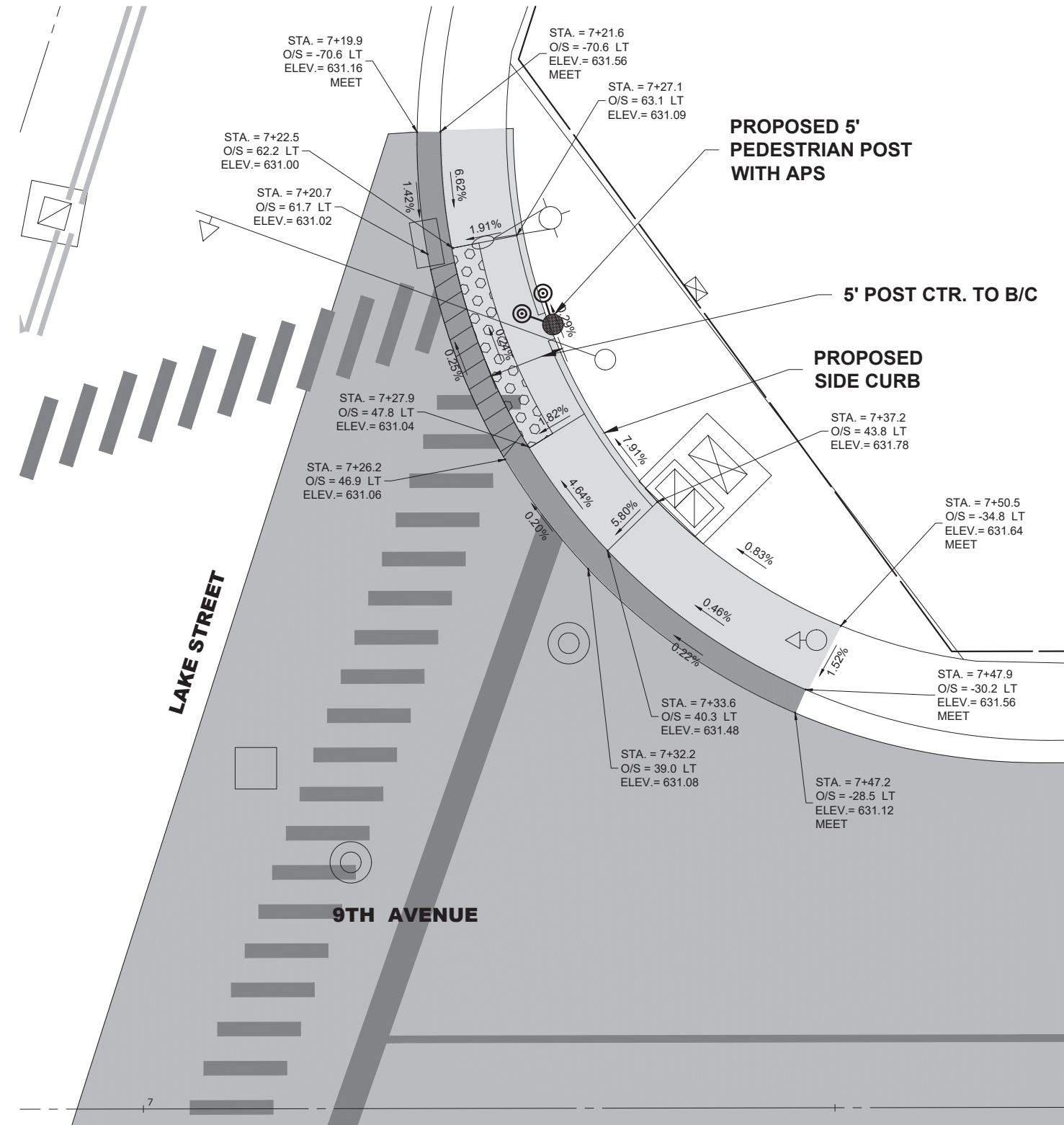
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	18
CONTRACT NO. 61K40				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 600-23-08401

**NOTE:**  
SIDEWALK SIDE CURB SHALL BE CUT SUCH THAT THE PEDESTRIAN SIGNAL POST IS FLUSH WITH THE EDGE OF THE SIDEWALK



**NOTE:**  
SIDEWALK SIDE CURB SHALL BE CUT SUCH THAT THE PEDESTRIAN SIGNAL POST IS FLUSH WITH THE EDGE OF THE SIDEWALK



**LEGEND**  
(XX.XX') EXISTING LENGTH  
(%) PROPOSED ELEVATIONS/ SLOPE



Drawing file: W:\Projects\_by\_Village\_Melrose\_Park\60023084 - 9th Ave Resurfacing (LAFO) Ph 1 & II\ADA Details\_9thLn SW scale.dwg Apr 26, 2024 - 7:09pm

**HANCOCK ENGINEERING**  
Civil Engineers  
Municipal Consultants  
Established 1911

7700 Roosevelt Road  
Woodstock, IL 60184-2702  
Phone: 708/665-2802  
www.hancock.com

DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-3-24
DATE - 11-15-23	REVISED - 4-7-24

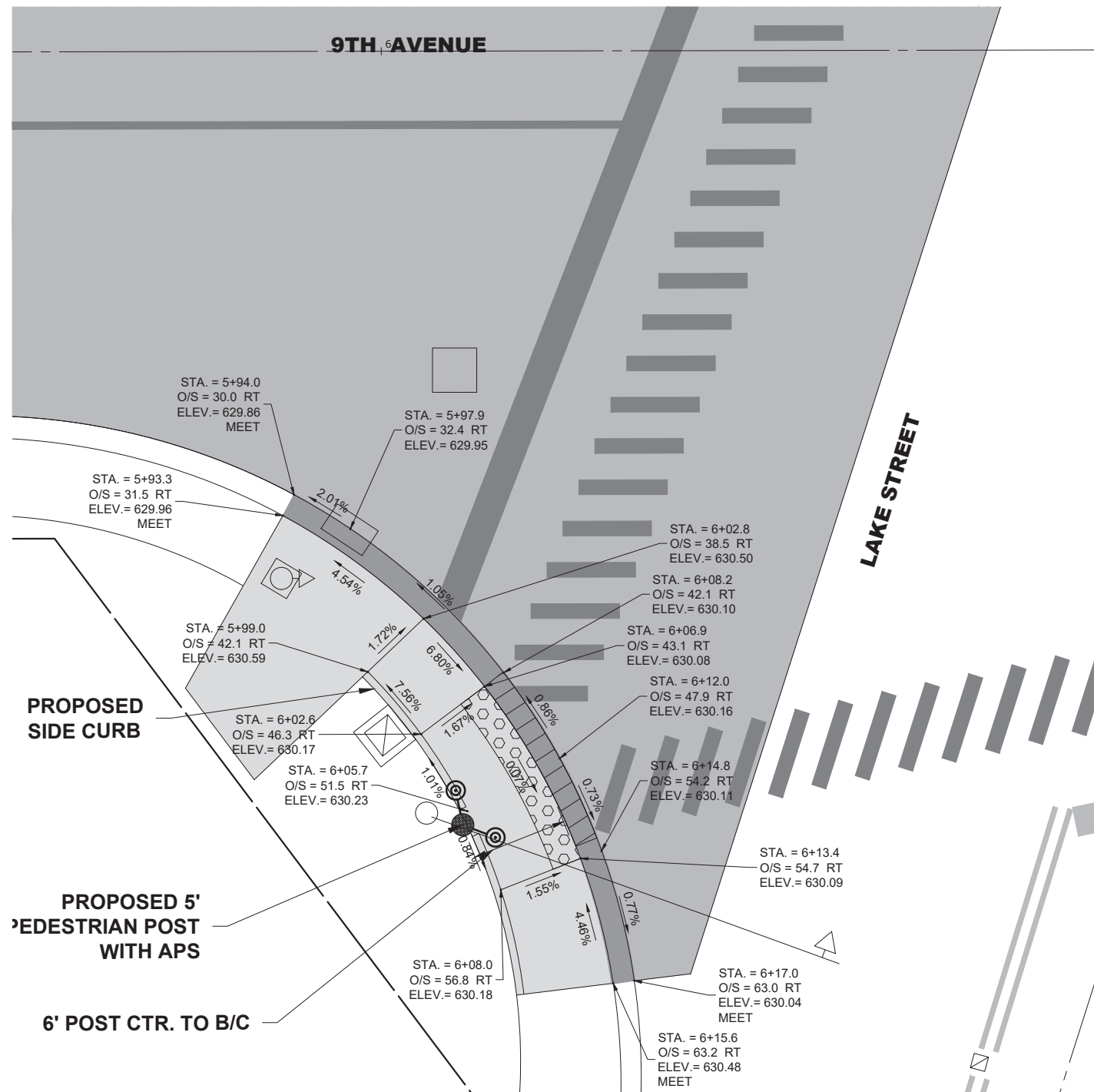
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DESIGN DETAILS  
9TH AVENUE AT LAKE STREET SW & NW**  
SCALE: 1" = 5' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

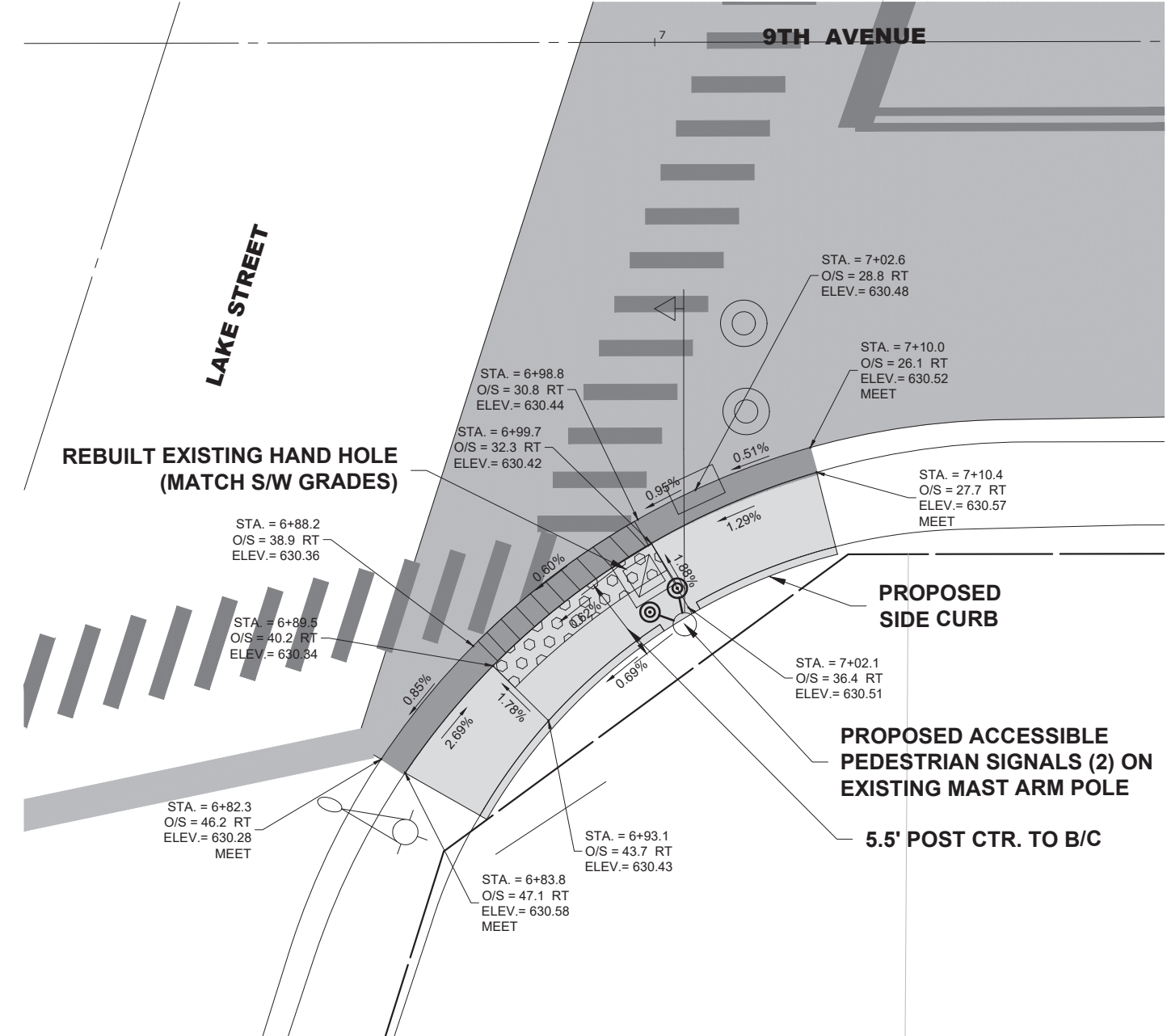
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2733	23-00144-00-RS	COOK	38	19
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K40		
FED. AID PROJECT				

E.H.E. PROJECT NO. 600-23-08401

NOTE:  
SIDEWALK SIDE CURB SHALL BE CUT SUCH THAT THE PEDESTRIAN SIGNAL POST IS FLUSH WITH THE EDGE OF THE SIDEWALK



NOTE:  
SIDEWALK SIDE CURB SHALL BE CUT SUCH THAT THE PEDESTRIAN SIGNAL POST IS FLUSH WITH THE EDGE OF THE SIDEWALK



**LEGEND**  
(XX.XX') EXISTING LENGTH  
(%) PROPOSED ELEVATIONS/ SLOPE



Drawing file: W:\Projects\_by\_Village\Melrose Park\60023084 - 9th Ave Resurfacing (LAFO) Ph 1 & II\ADA Details\_9thIn SE scale.dwg Apr. 26, 2024 - 7:09pm

**HANCOCK ENGINEERING**  
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DESIGNED	— ELS	REVISED	— 2-8-24
DRAWN	— SFB, DMM	REVISED	— 3-12-24
CHECKED	— XX	REVISED	— 4-3-24
DATE	— 11-15-23	REVISED	— 4-7-24

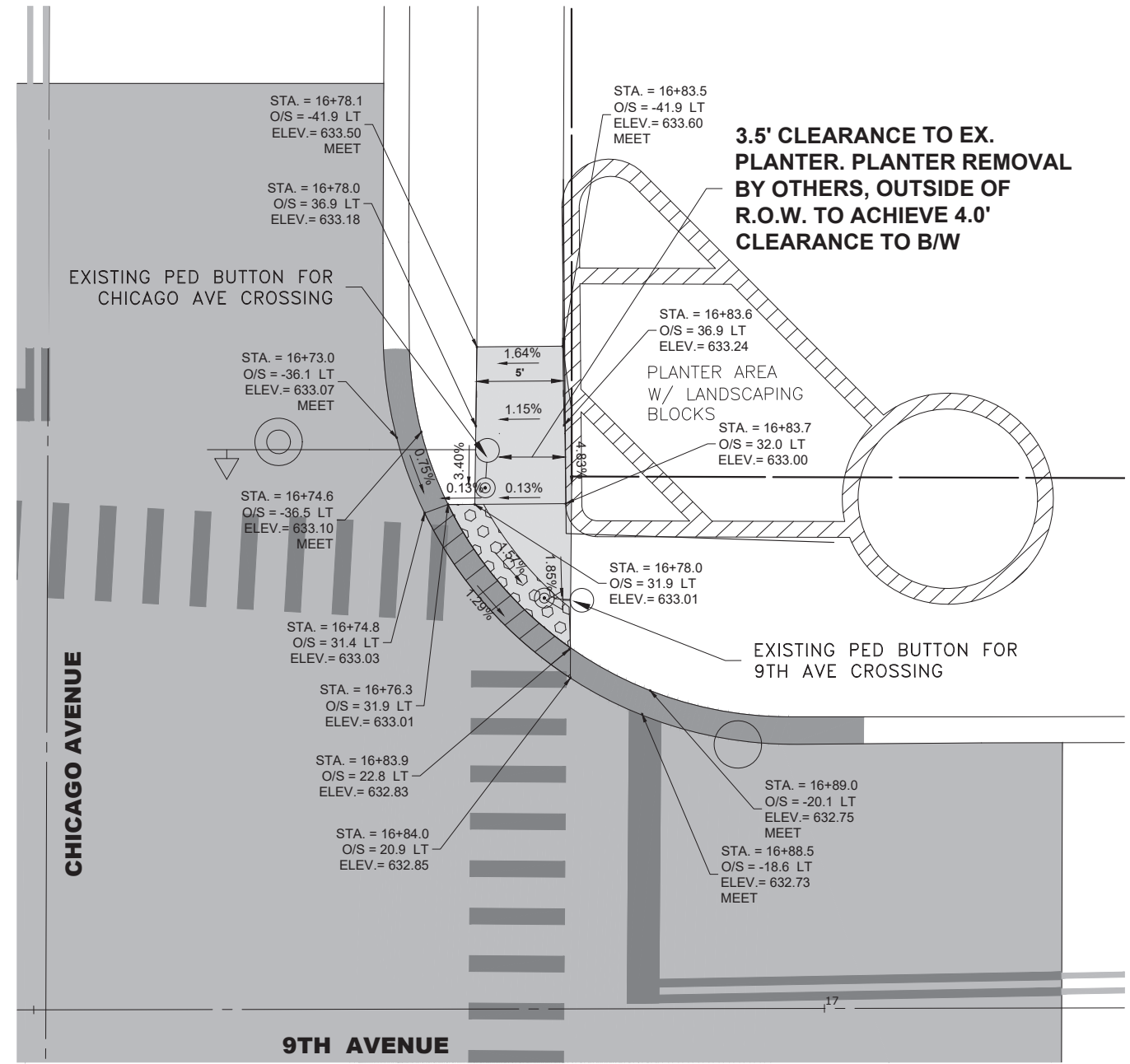
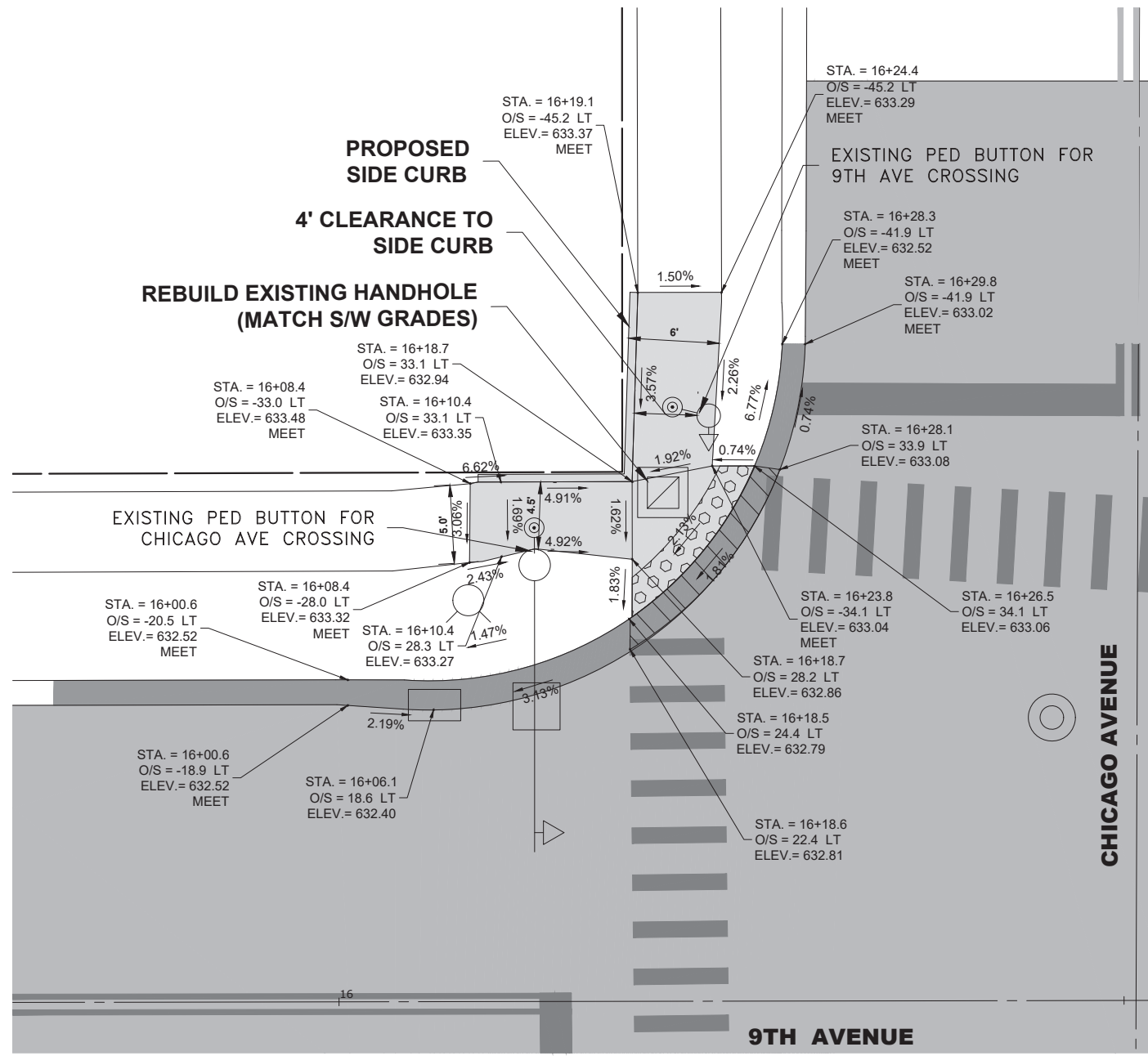
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DESIGN DETAILS  
9TH AVENUE AT LAKE STREET SE & NE**

SCALE: 1" = 5'    SHEET NO. 1 OF 1 SHEETS    STA. -    TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	20
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61K40	
		FED. AID PROJECT		

E.H.E. PROJECT NO. 600-23-08401



**LEGEND**  
 (XX.XX') EXISTING LENGTH  
 (%) PROPOSED ELEVATIONS/ SLOPE



Drawing file: W:\Projects\_by\_Village\Melrose Park\60023084 - 9th Ave Resurfacing (LAFO) Ph 1 & II\ADA Details\_9thLn SW scale.dwg  
 Apr. 26, 2024 - 7:09pm



CIVIL Engineers  
 Municipal Consultants  
 Established 1911

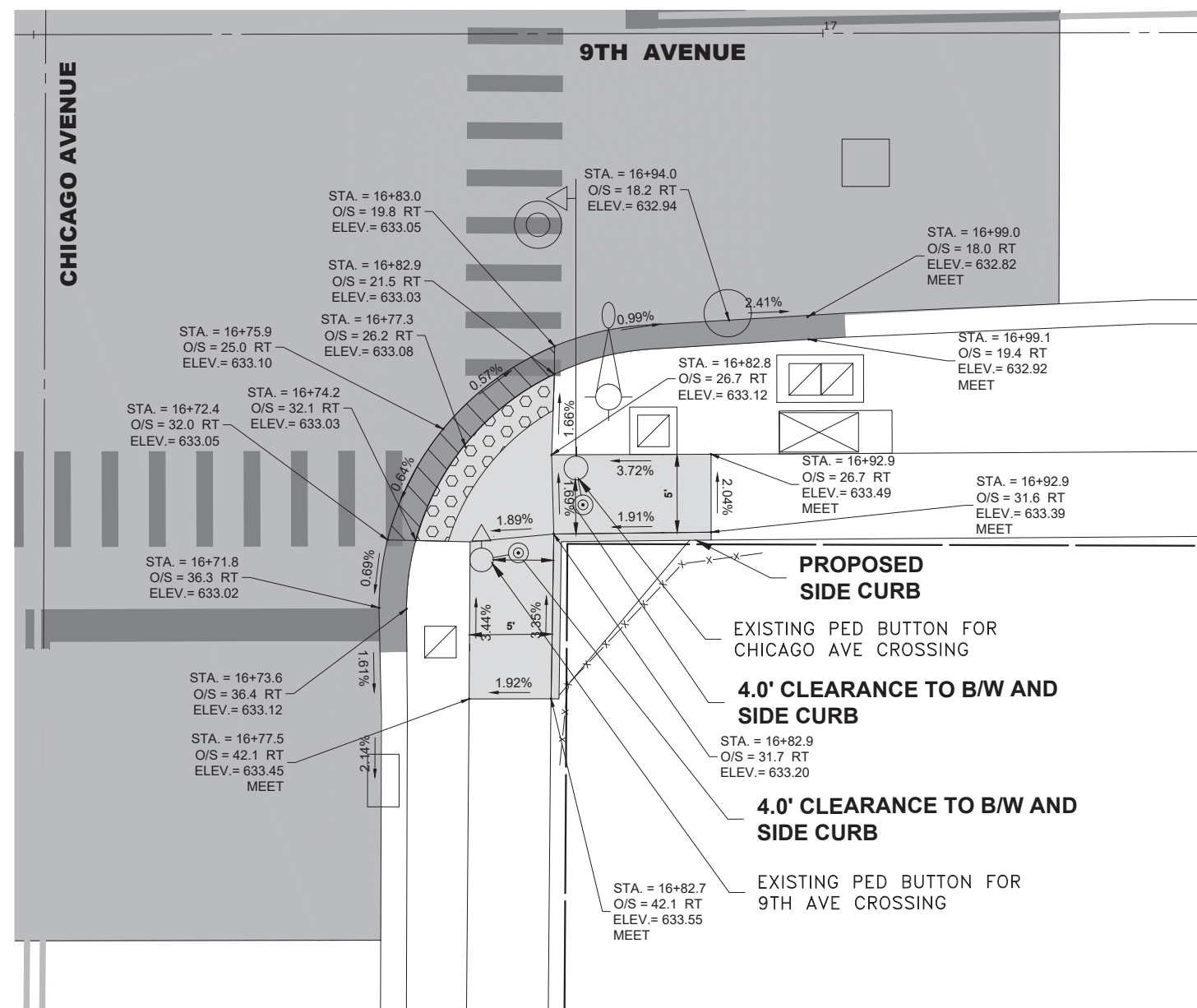
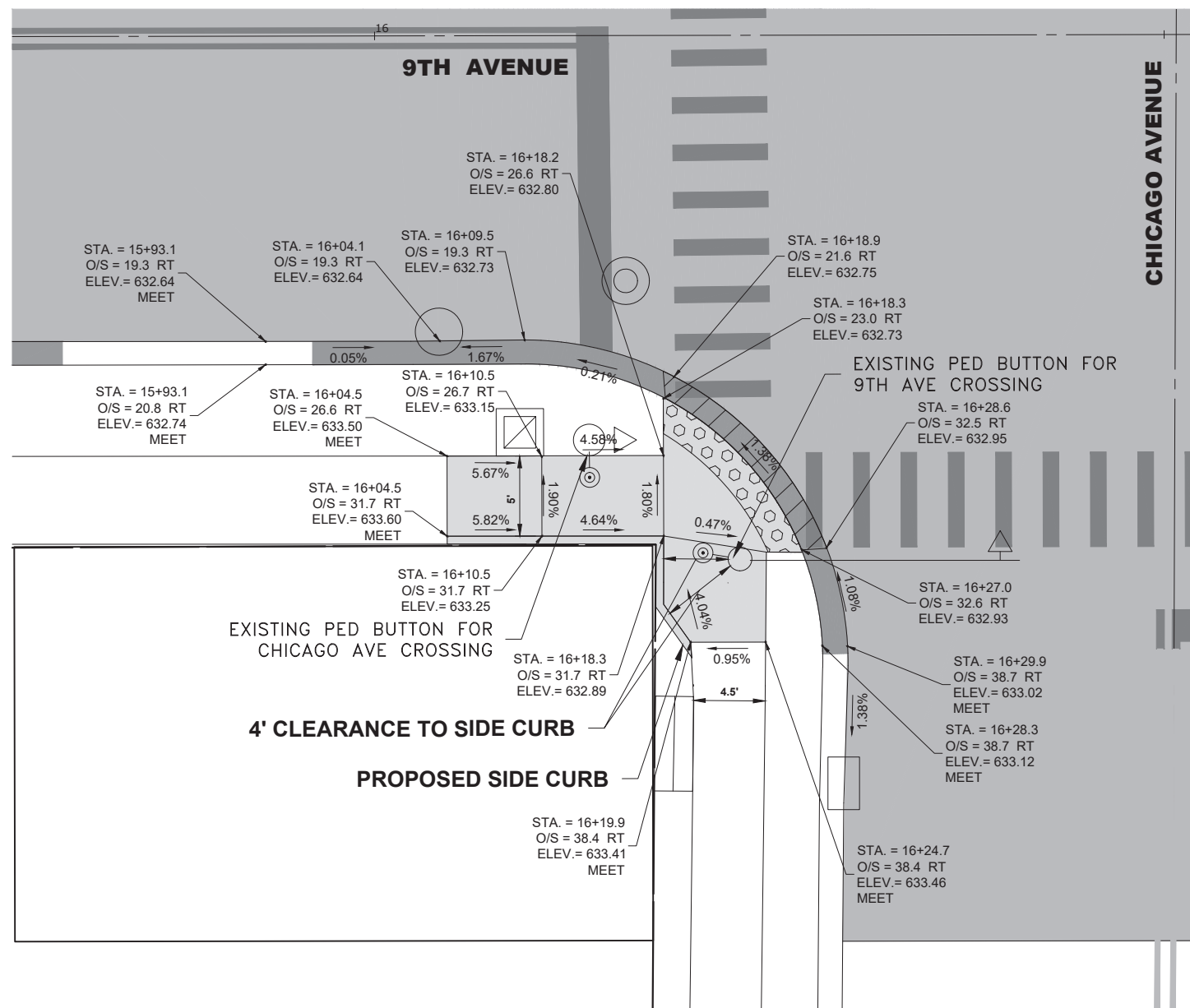
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DRAWN	— SFB, DMM	REVISED	— 3-12-24
CHECKED	— XX	REVISED	— 4-3-24
DATE	— 11-15-23	REVISED	— 4-7-24

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

**ADA DESIGN DETAILS**  
**9TH AVENUE AT CHICAGO AVENUE SW & NW**

SCALE: 1" = 5'    SHEET NO. 1 OF 1 SHEETS    STA. -    TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	21
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K40		
FED. AID PROJECT		E.H.E. PROJECT NO. 600-23-08401		



**LEGEND**  
(XX.XX') EXISTING LENGTH  
(%) PROPOSED ELEVATIONS/ SLOPE



Drawing file: W:\Projects\_by\_Village\Melrose Park\60023084 - 9th Ave Resurfacing (LAFD) Ph 1 & II\ADA Details\_9thIn 5ft scale.dwg Apr 26, 2024 - 7:09pm

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7700 Roosevelt Road  
Woodstock, IL 60184-2702  
Phone: 708/665-0202  
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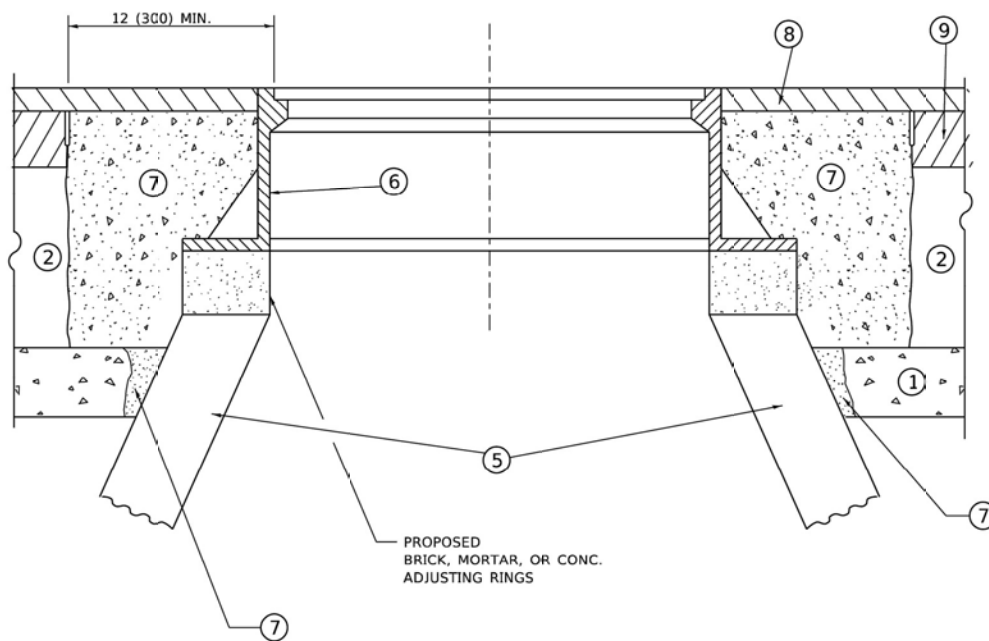
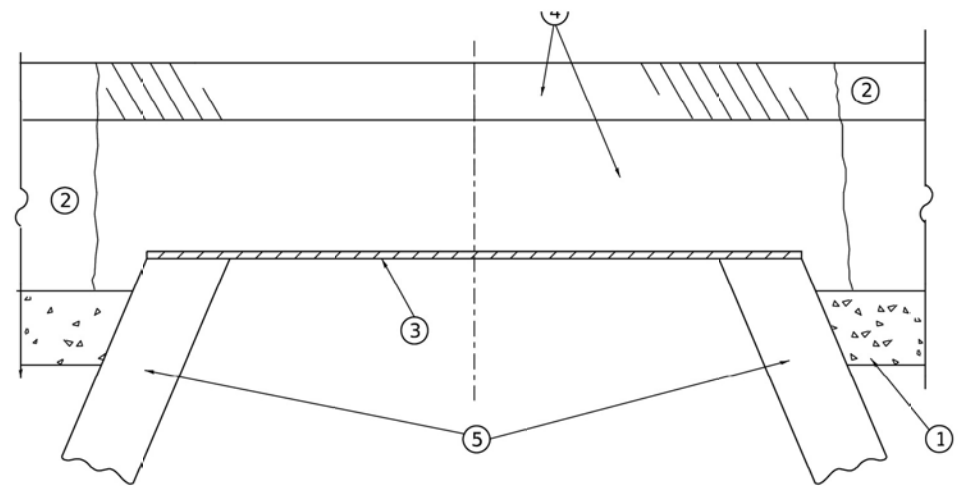
DESIGNED	— ELS	REVISED	— 2-8-24
DRAWN	— SFB, DMM	REVISED	— 3-12-24
CHECKED	— XX	REVISED	— 4-3-24
DATE	— 11-15-23	REVISED	— 4-7-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DESIGN DETAILS  
9TH AVENUE AT CHICAGO AVENUE SE & NE**

SCALE: 1" = 5' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	22
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K40		
FED. AID PROJECT		E.H.E. PROJECT NO. 600-23-08401		



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

**NOTES**

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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

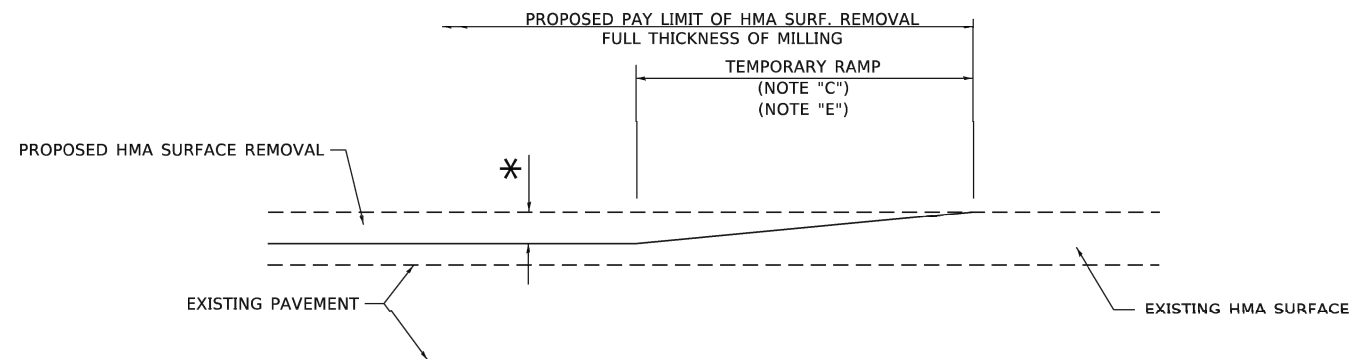
**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	23
BD600-03 (BD-8)			CONTRACT NO. 61K40	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

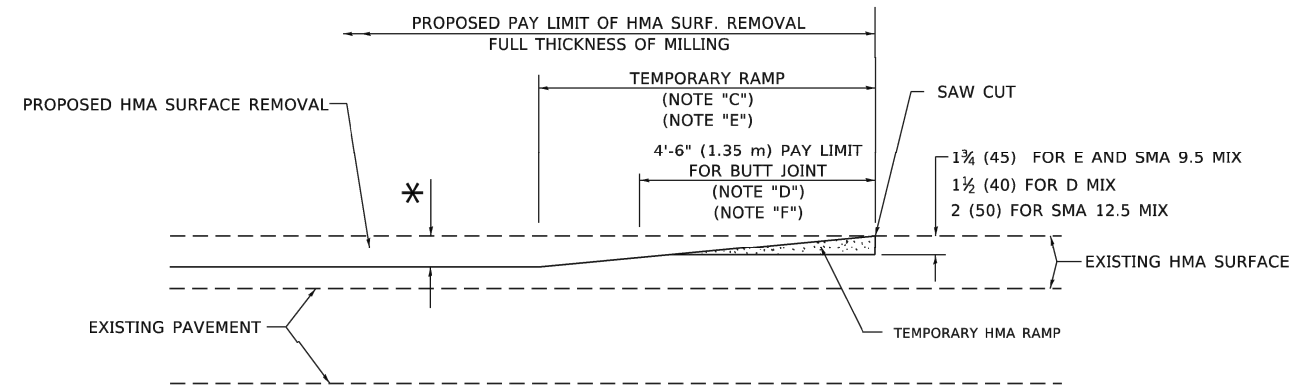
E.R.E. PROJECT NO. 600-23-08401

Drawing File: W:\Projects\_by\_Village\Manrose Park\60023084 - 9th Ave Resurfacing (L&P) Ph 1 & II\DOT Standard.dwg  
 Apr 08, 2024 - 7:50am



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

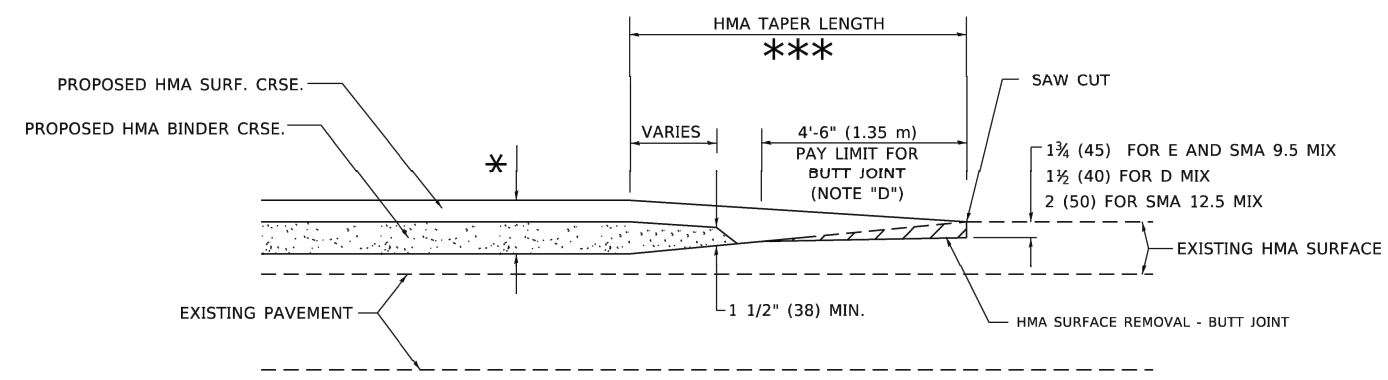
**OPTION 1**



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

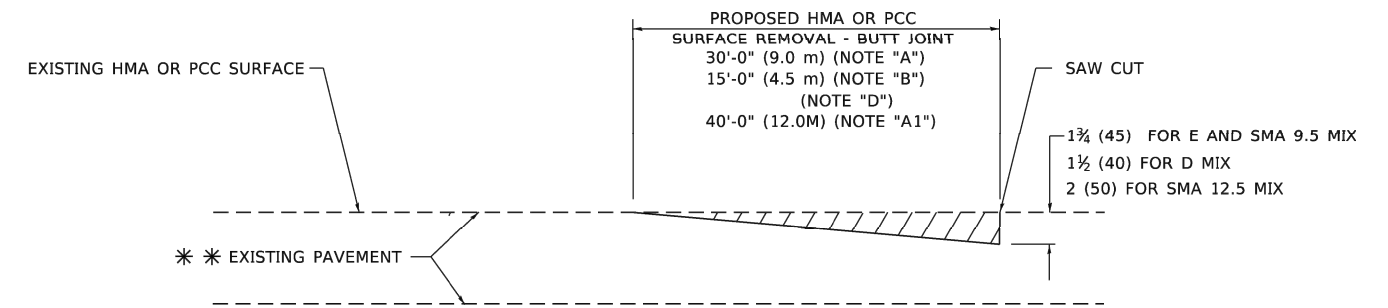
**OPTION 2**

**TYPICAL TEMPORARY RAMP**

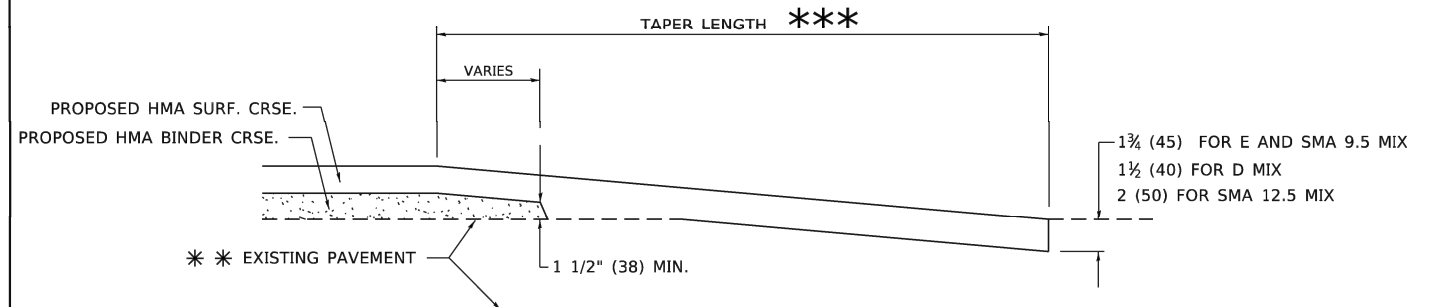


**BUTT JOINT AND  
HMA TAPER**

**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**

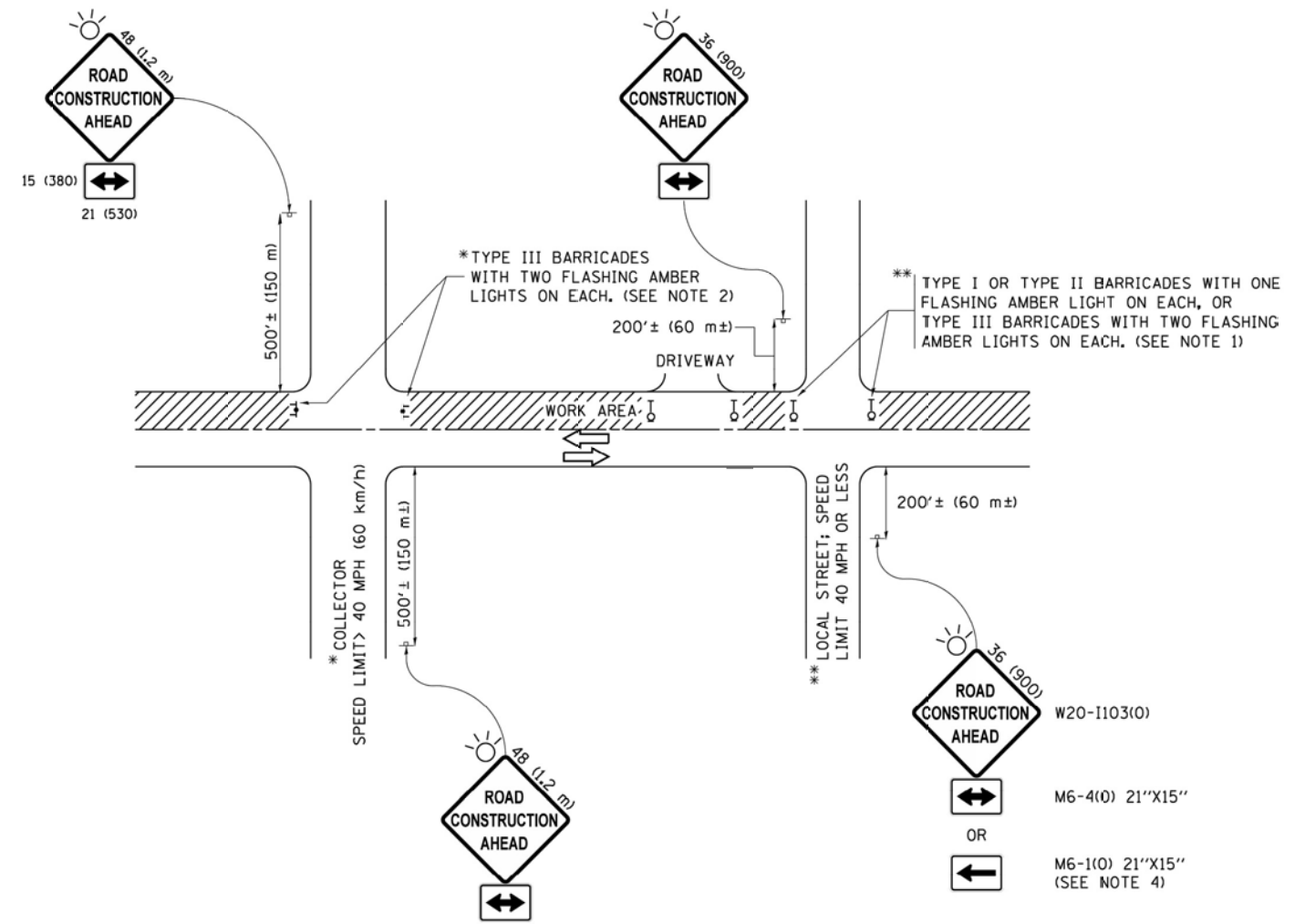
- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE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

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

USER NAME = Lawrence.DeManche PLOT SCALE = 100.0000' / in. PLOT DATE = 11/18/2022	DESIGNED - M. DE YONG DRAWN - CHECKED - DATE - 06-13-90	REVISED - A. ABBAS 03-21-97 REVISED - M. GOMEZ 04-06-01 REVISED - R. BORO 01-01-07 REVISED - K. SMITH 11-18-22	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>	F.A.U. RTE. 2733 SECTION 23-00144-00-RS COUNTY COOK TOTAL SHEETS 38 SHEET NO. 24 CONTRACT NO. 61K40 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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Drawing file: W:\Projects\_by\_Village\Metross Park\60023084.dwg Apr 08, 2024 - 7:51am  
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 Default



**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.

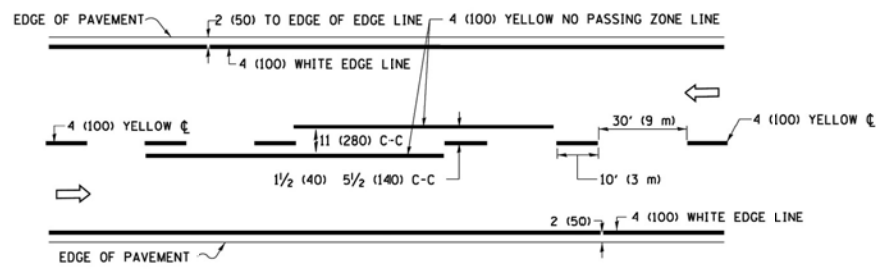
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

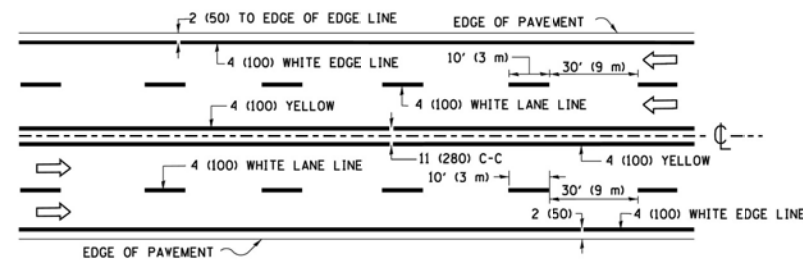
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SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

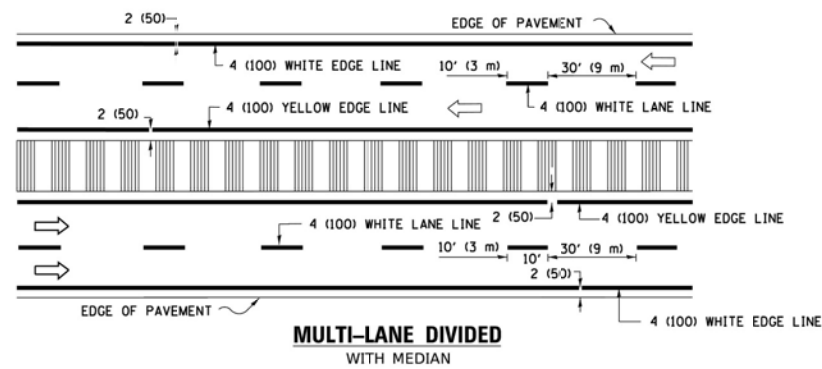
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	25
TC-10		CONTRACT NO. 61K40		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

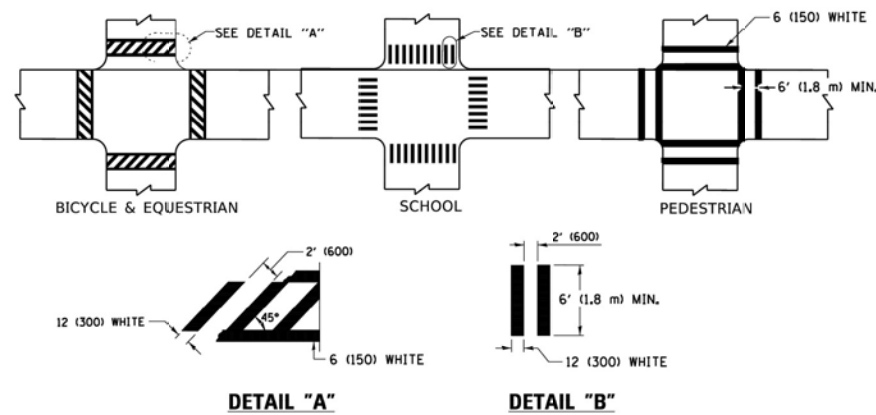


**MULTI-LANE UNDIVIDED**



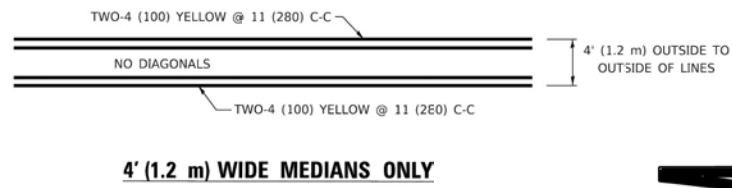
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

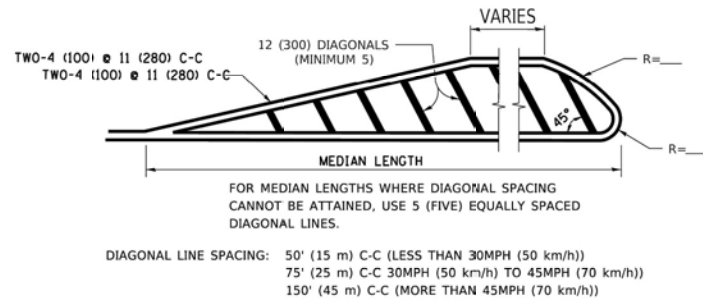


**TYPICAL CROSSWALK MARKING**

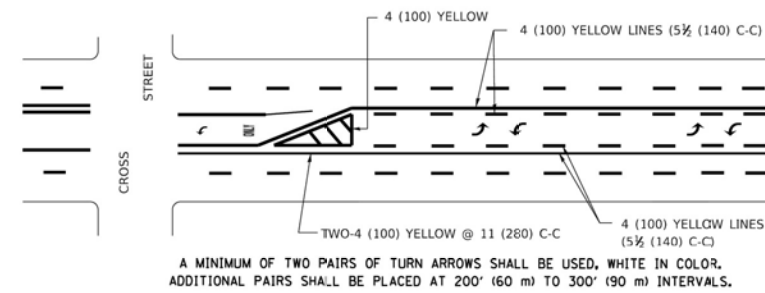
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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

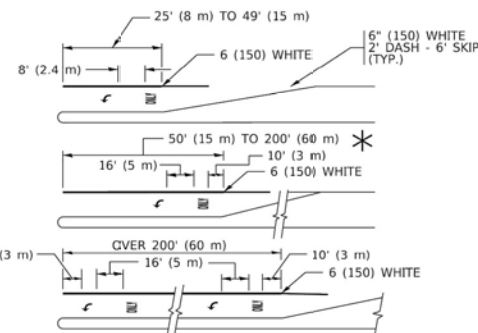


**MEDIANS OVER 4' (1.2 m) WIDE**



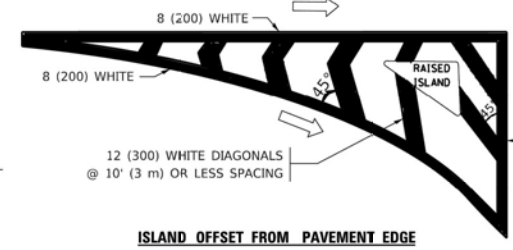
**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

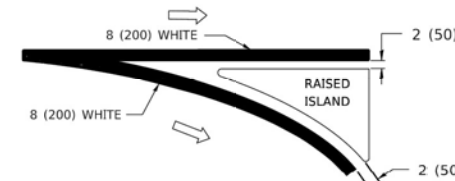


**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

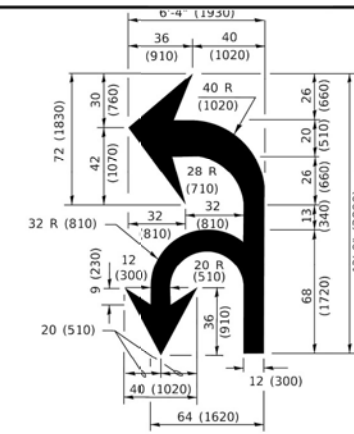


**ISLAND OFFSET FROM PAVEMENT EDGE**

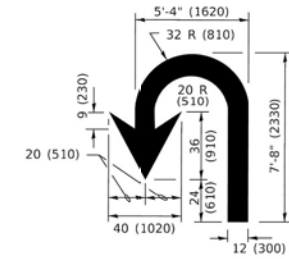


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EAC-D DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NO LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 12' (3.7 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

Drawing file: W:\Projects\by\_Village\Metros Park\60023084.dwg; User: Resurfacing (LAF0) Ph 1 & (VDOT) Standard.dwg; Apr 08, 2024 - 7:51am

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

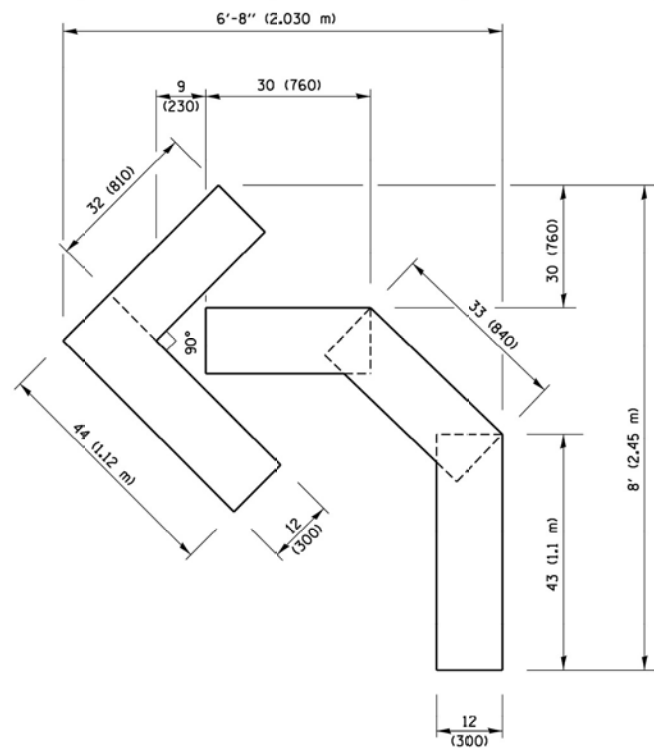
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	26
TC-13		CONTRACT NO. 61K40		
FFD. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

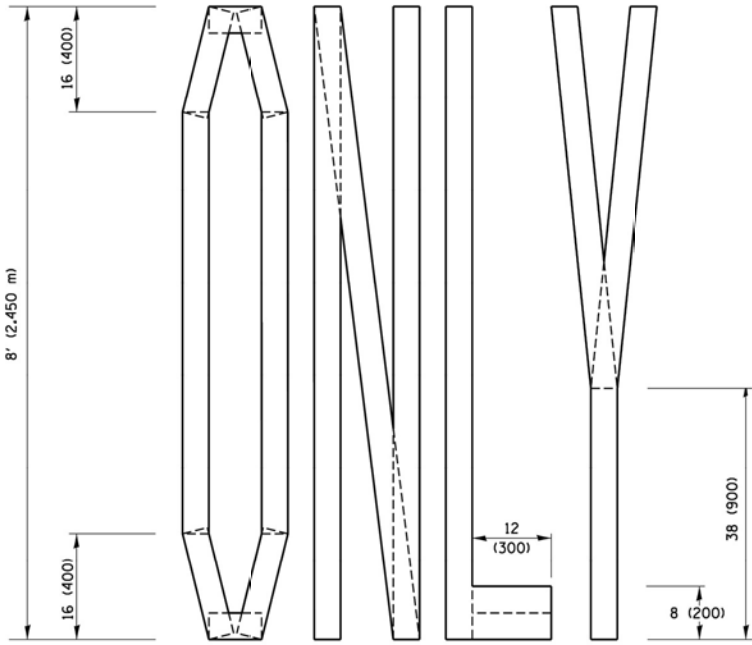
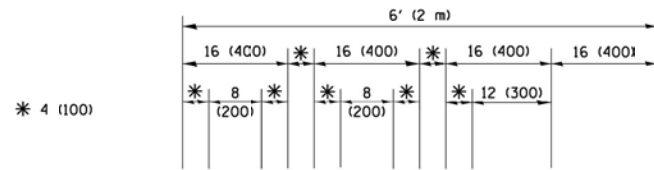
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

Drawing file: W:\Projects\_by\_Village\Metross Park\60023084.dwg - 23-Ave Resurfacing (L&T) Ph. 1 & (V)DOT Standard.dwg Apr 08, 2024 - 7:51am



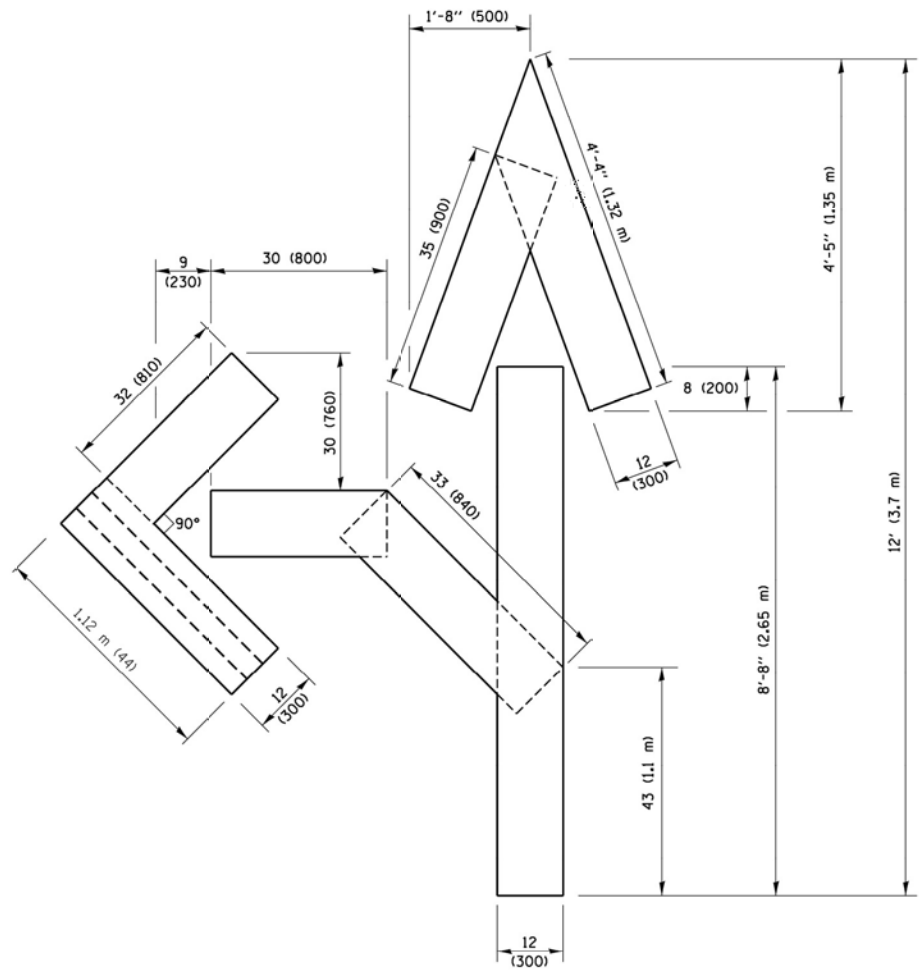
**QUANTITY**

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)

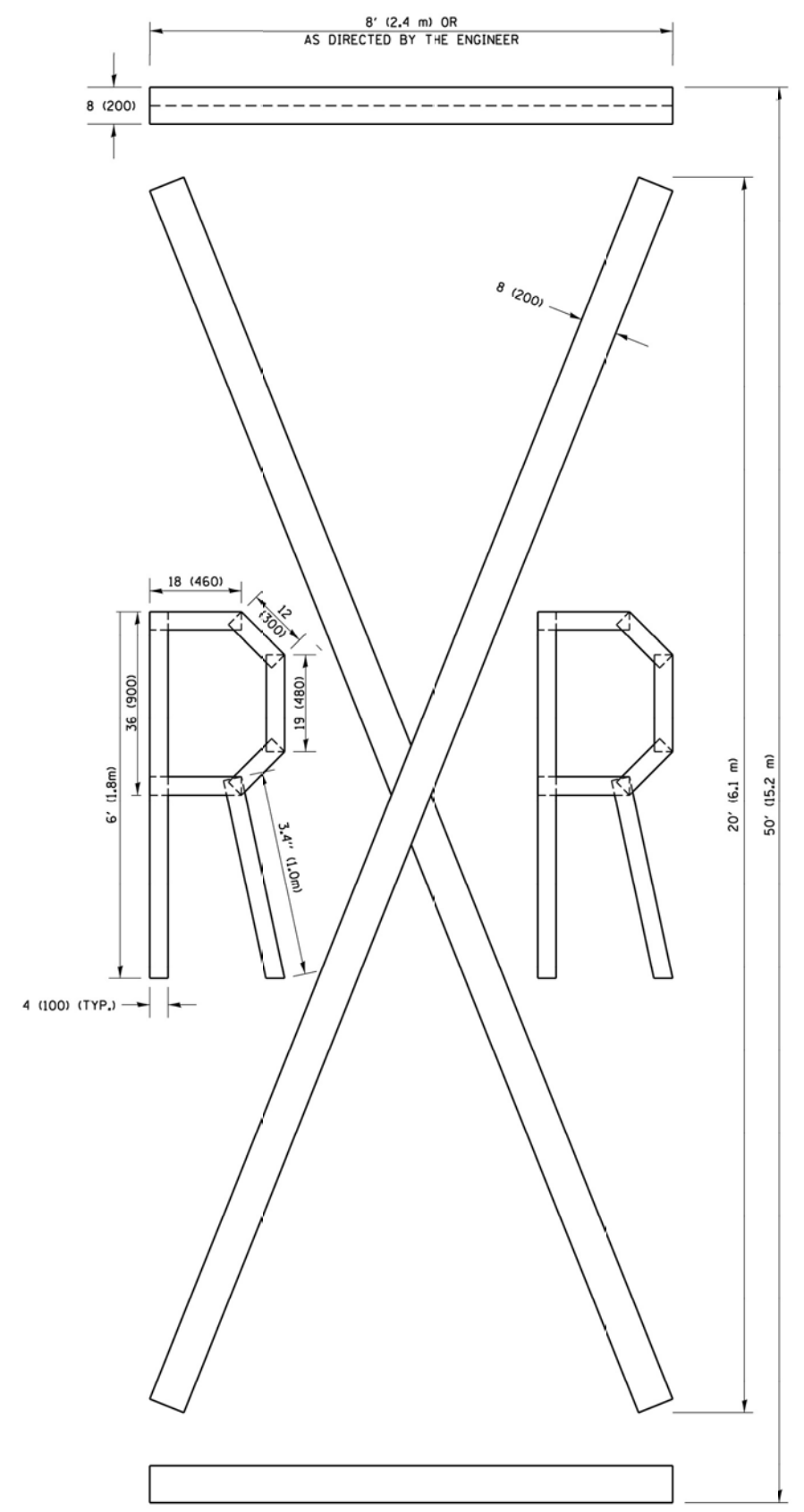


**QUANTITY**

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.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\Dist	Documents\DOT Offices\District 1\Projects\Dist	DRAWN -	REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

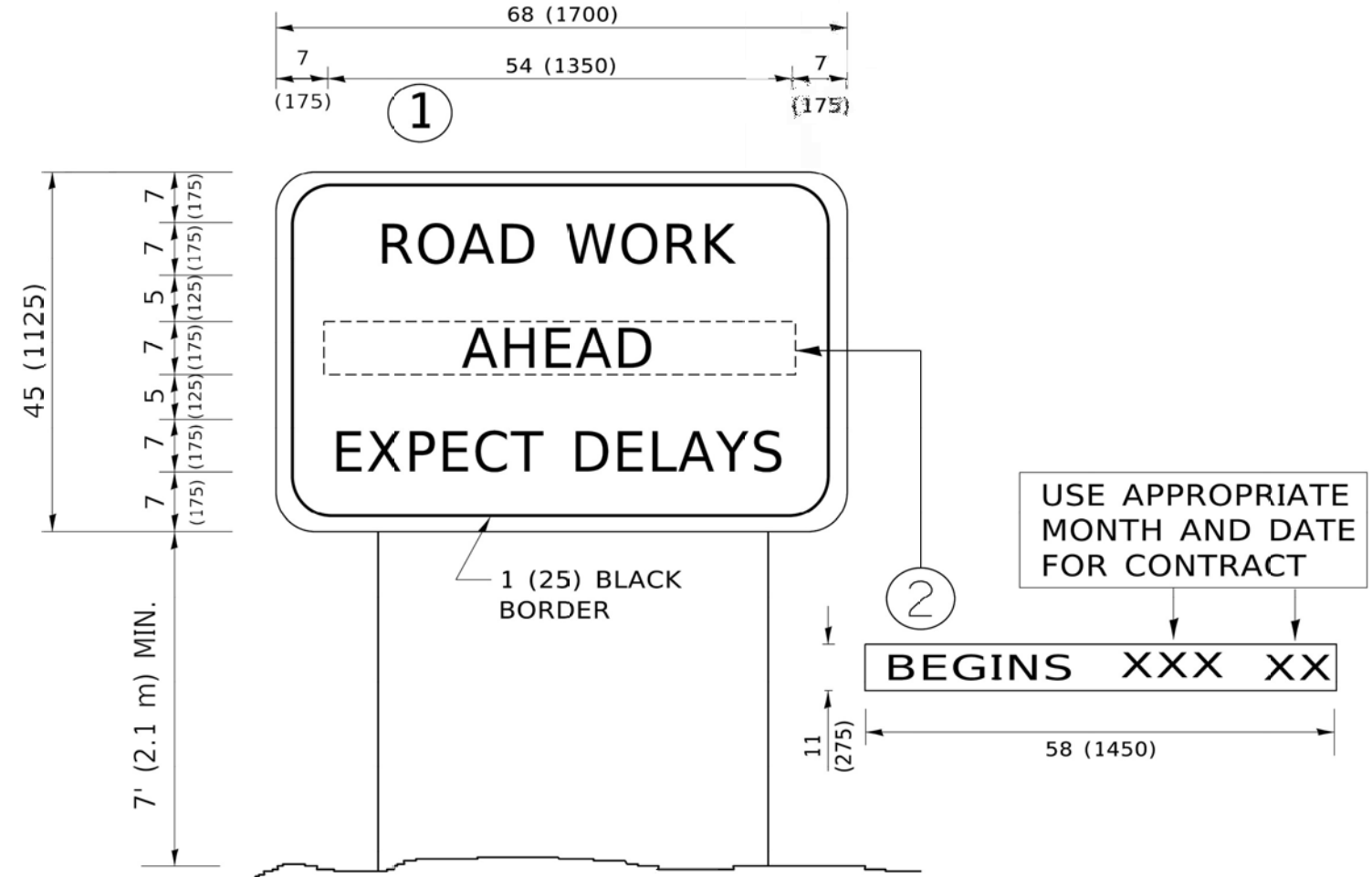
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	27
TC-16		CONTRACT NO. 61K40		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Drawing file: W:\Projects\_by\_Village\Illinois\Resurfacing (LAFD) Ph. I & II\DOT Standard.dwg Apr 08, 2024 - 7:51am



**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.

USER NAME = foctemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	28
TC-22		CONTRACT NO. 61K40		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 600-23-08401

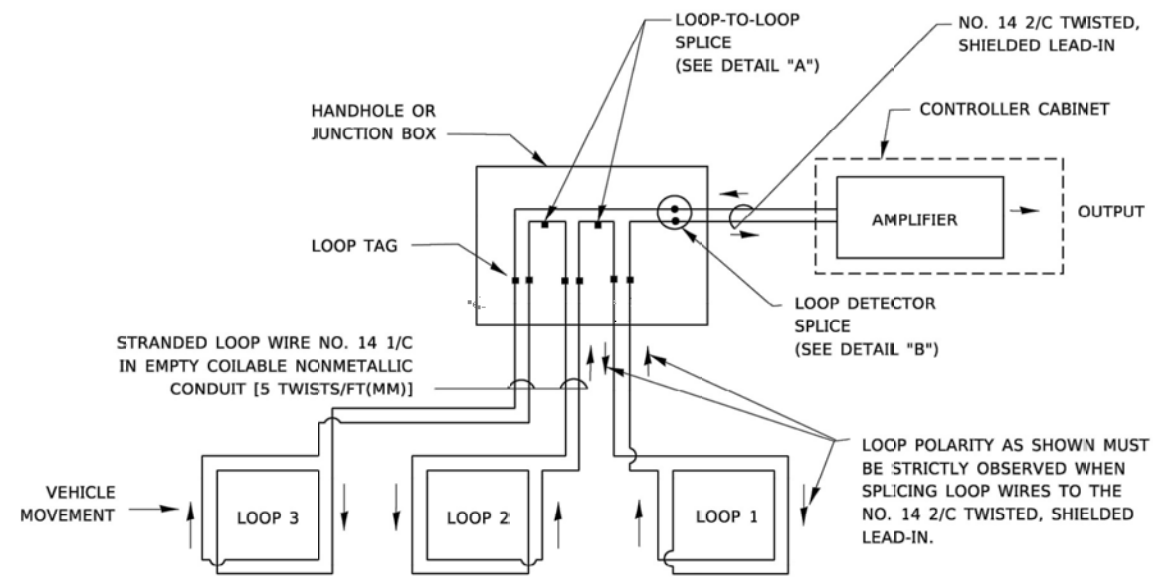
# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

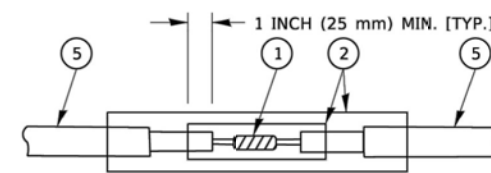
**LOOP DETECTOR NOTES**

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.

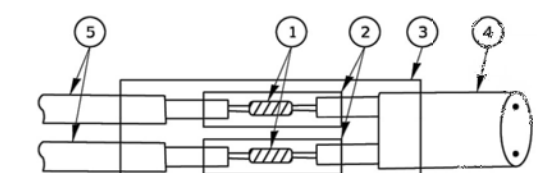


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

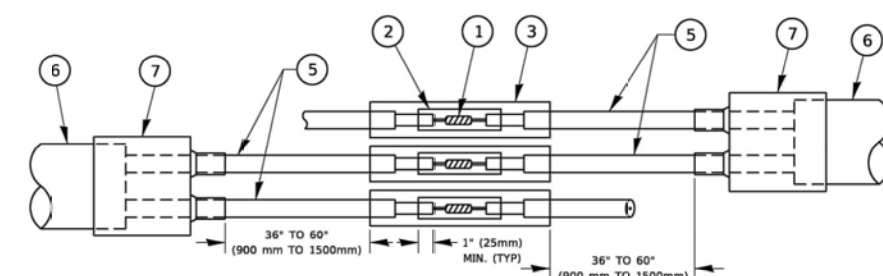


DETAIL "A"  
LOOP-TO-LOOP SPLICE

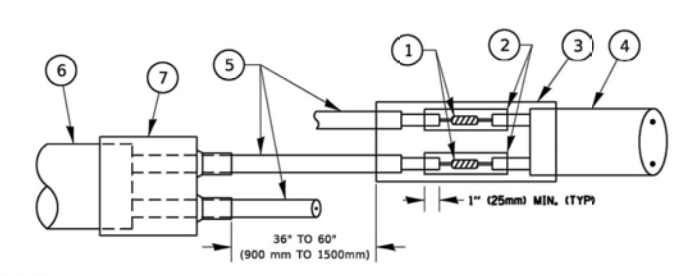


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



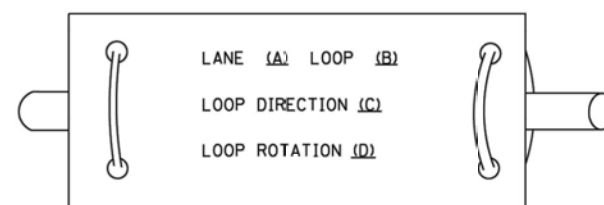
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED 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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

**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.

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

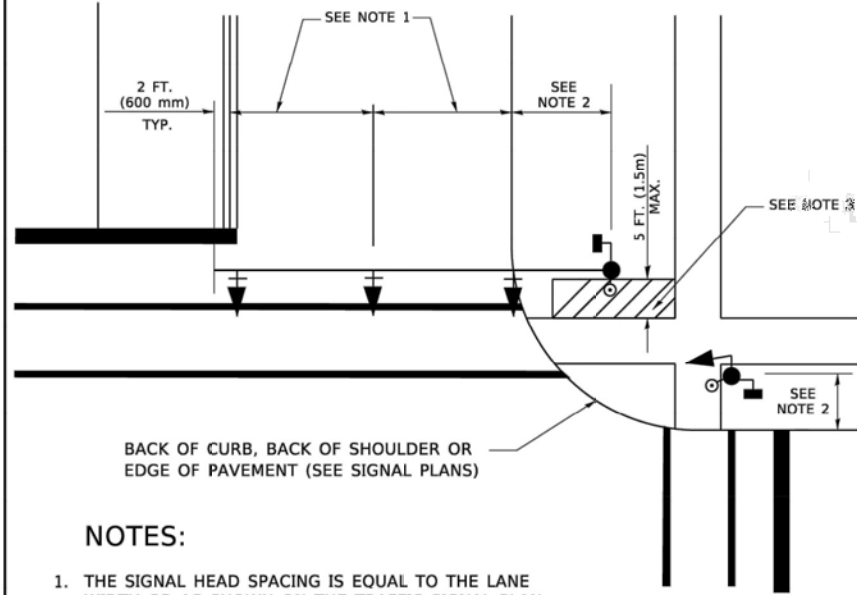
SCALE: NONE SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	30
TS-05			CONTRACT NO. 61K40	
ILLINOIS FED. AID PROJECT				

Drawing file: W:\Projects\_by\_Village\Meirose Park\6002084 - 9th Ave Resurfacing (LAFD) Ph 1 & II\Traffic Signal Details.dwg Apr 08, 2024 - 7:52am  
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**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

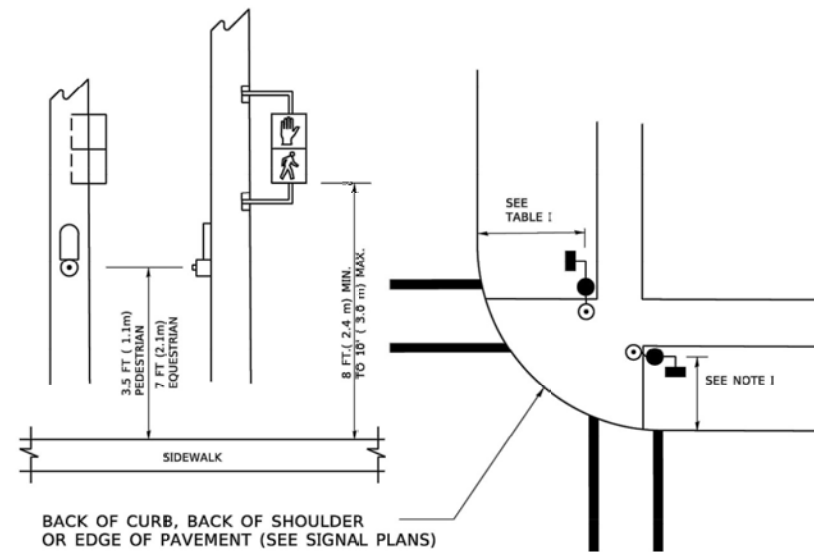
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

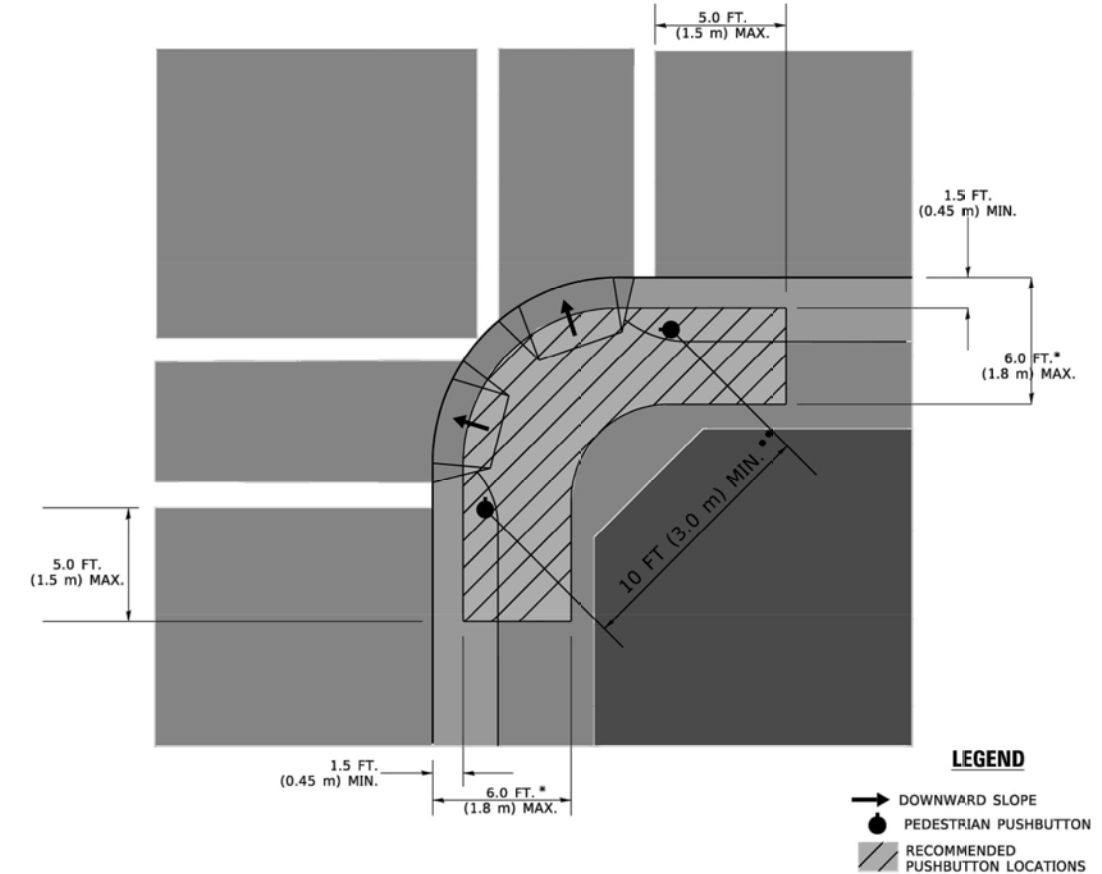
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

**NOTES:**

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

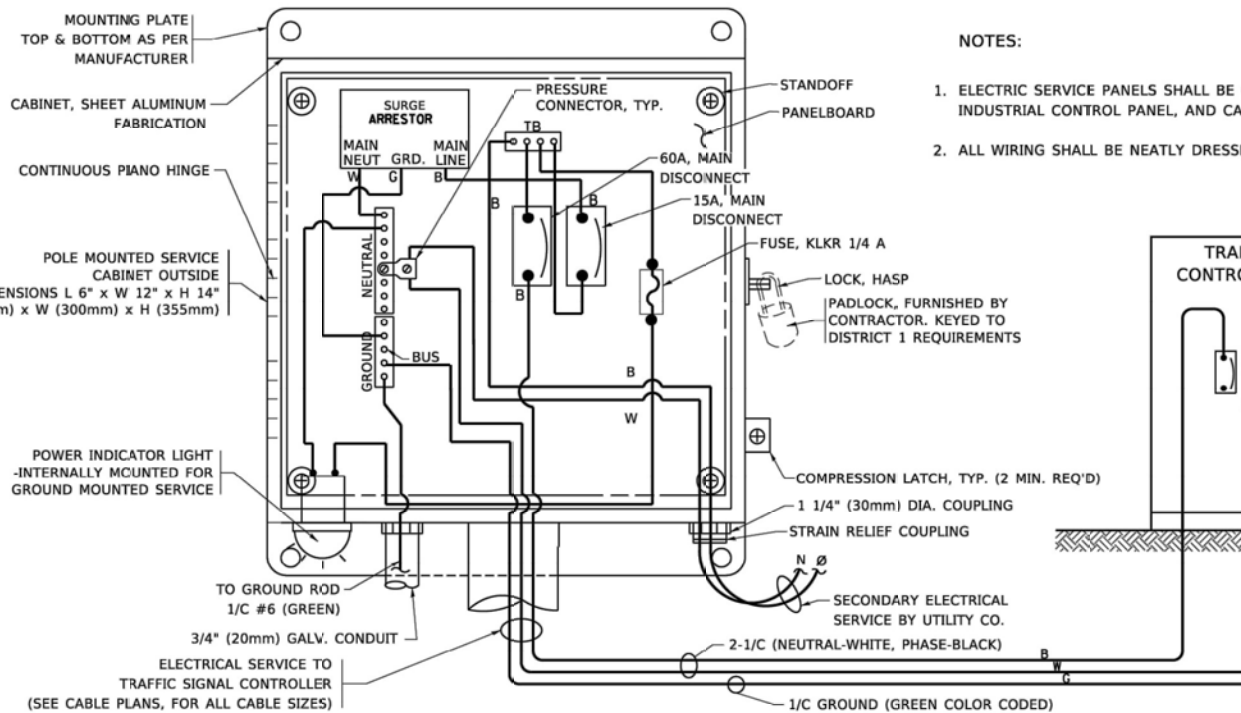
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

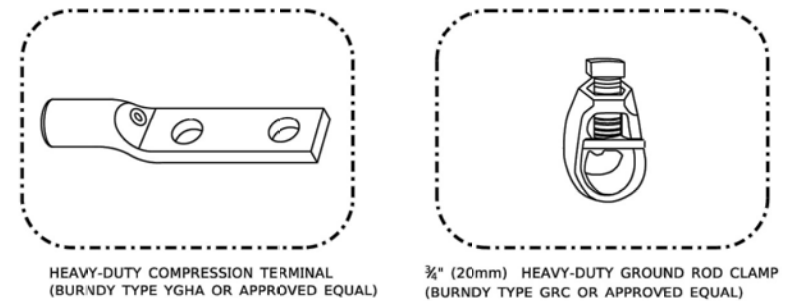
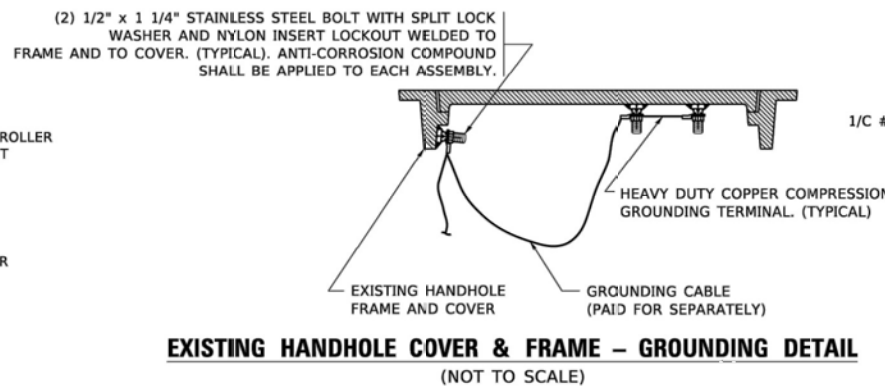
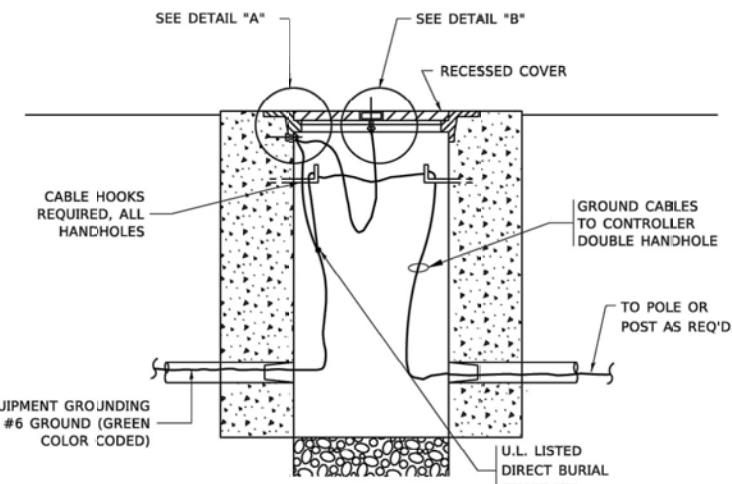
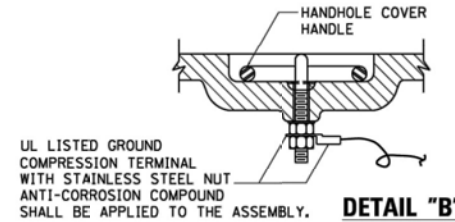
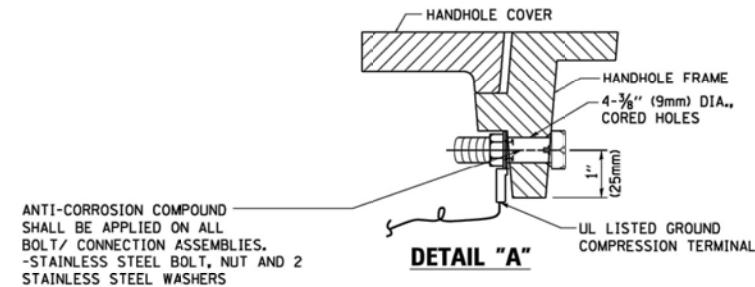
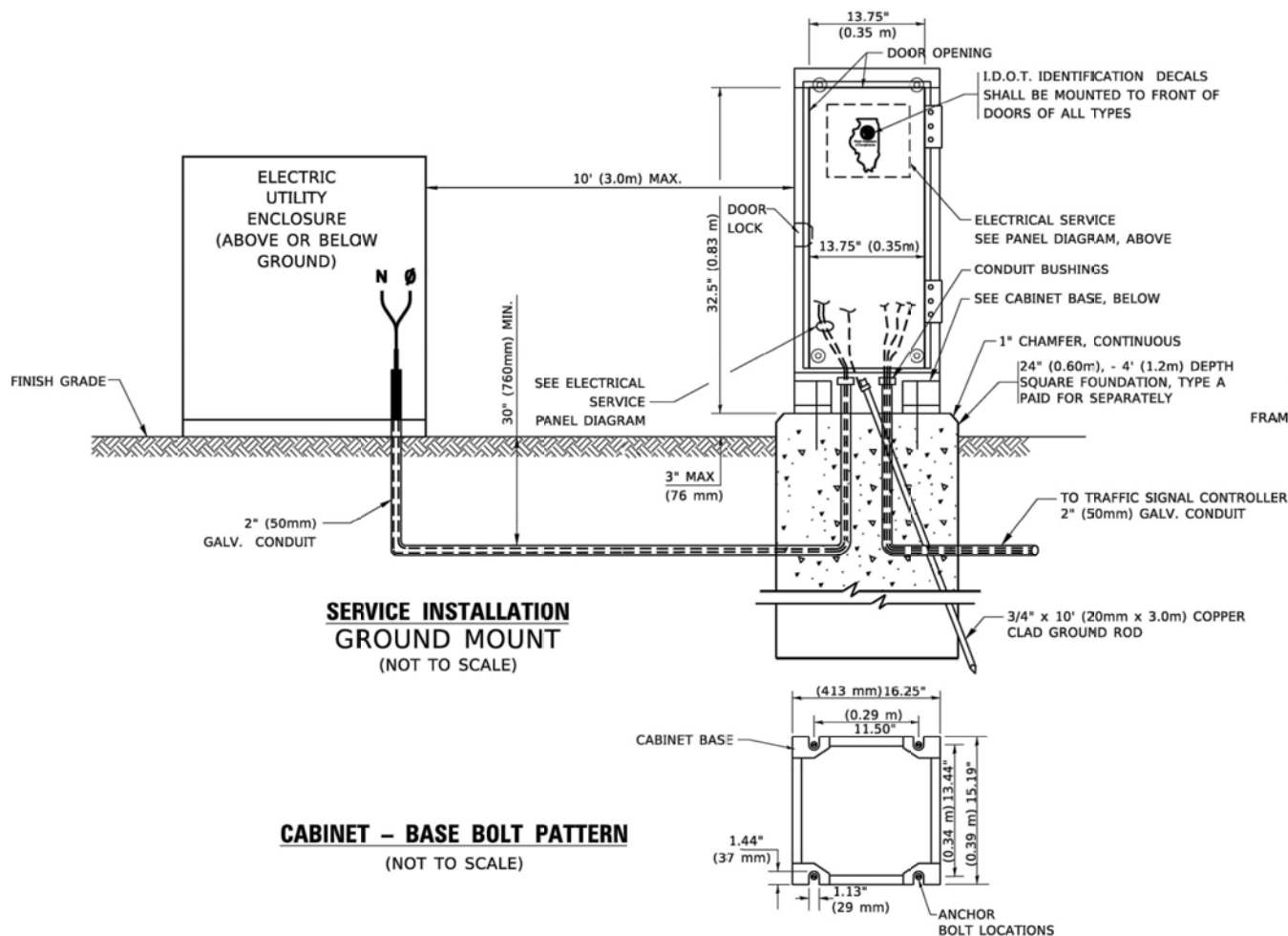
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 10 SHEETS STA. TO STA.

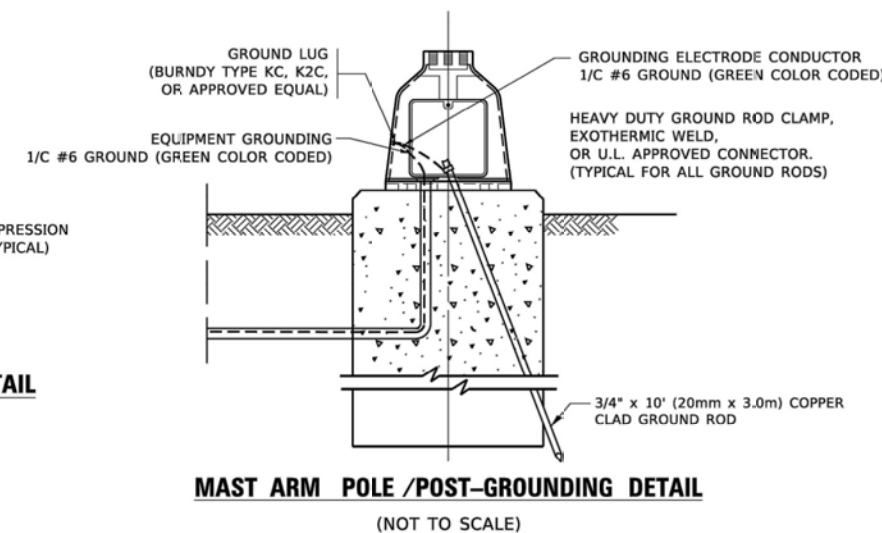
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	31
TS-05		CONTRACT NO. 61K40		
ILLINOIS FED. AID PROJECT				



**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (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.



Drawing file: W:\Projects\_by\_Village\Melrose Park\6002084 - 9th Ave Resurfacing (LAFD) Ph 1 & II\Traffic Signal Details.dwg Apr 08, 2024 - 7:52am

MODEL - Default FILE NAME: P:\11\04\EBID\NTEC\Illinois.gov\PWD\DOT\Documents\DOT Office\District 1\Projects\6002084\23-00144\CAD\Drawings\CAD\Sheet\61K40.dwg

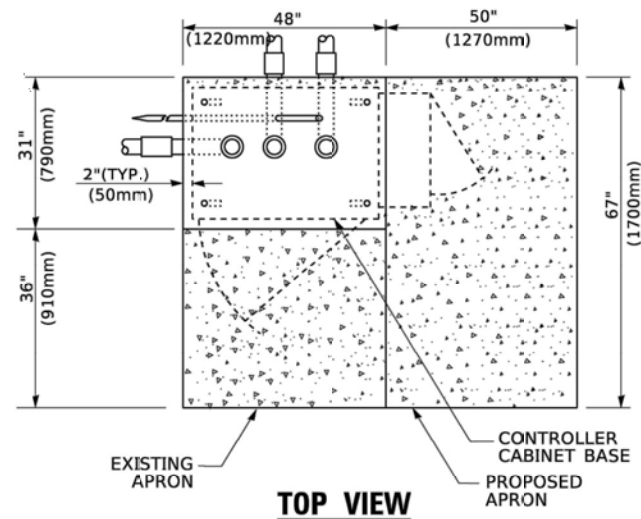
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

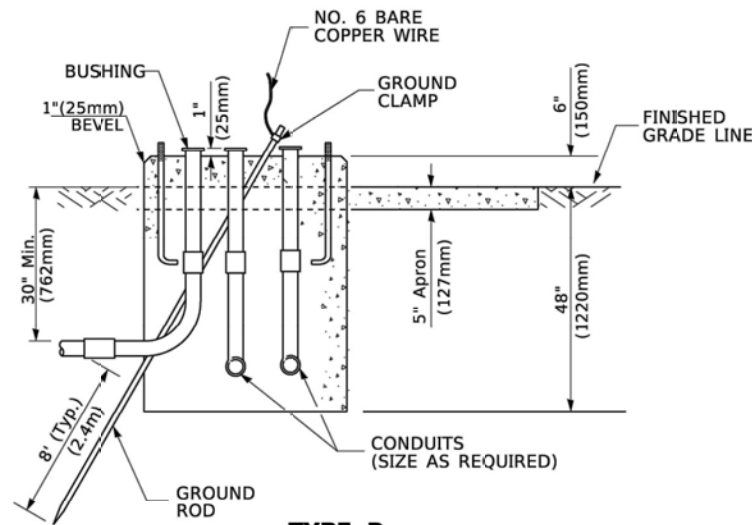
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<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET 6	OF 10 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-05</b>			CONTRACT NO. 61K40	
ILLINOIS / FED. AID PROJECT				

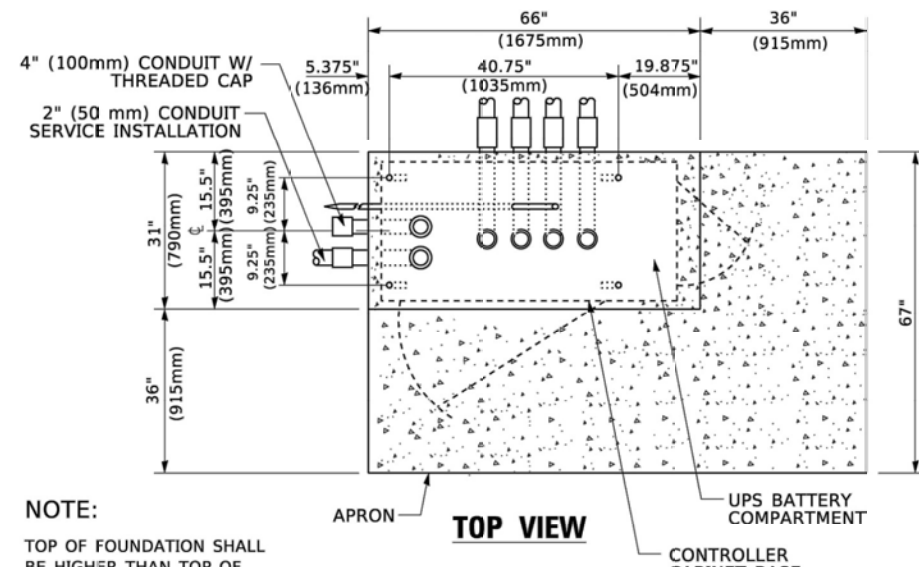




**TOP VIEW**

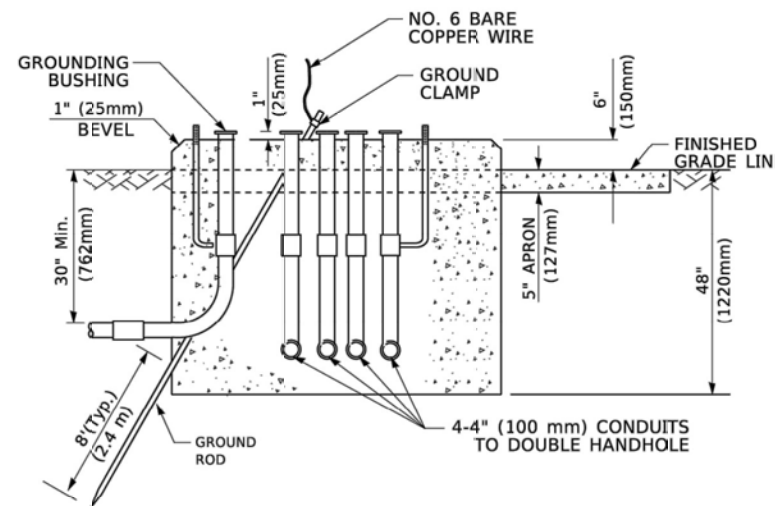


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

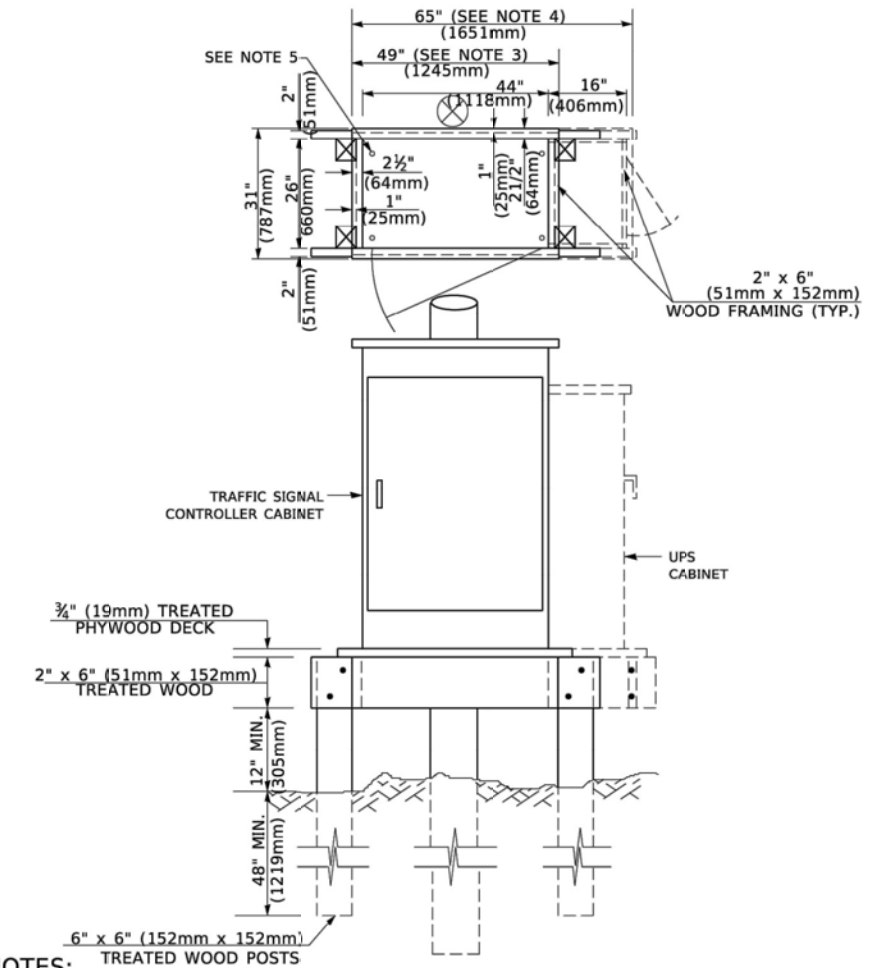


**TOP VIEW**

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



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

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

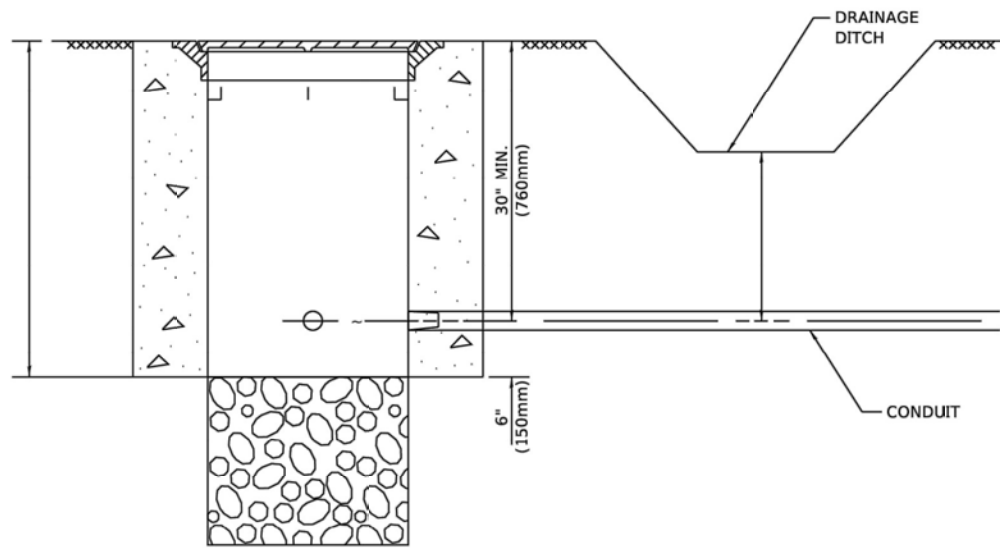
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 10 SHEETS STA. TO STA.

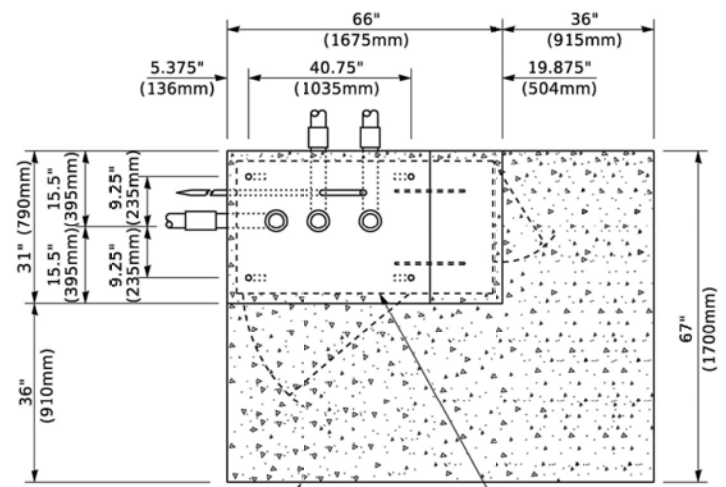
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<b>TS-05</b>			CONTRACT NO. 61K-40	
ILLINOIS FED. AID PROJECT				



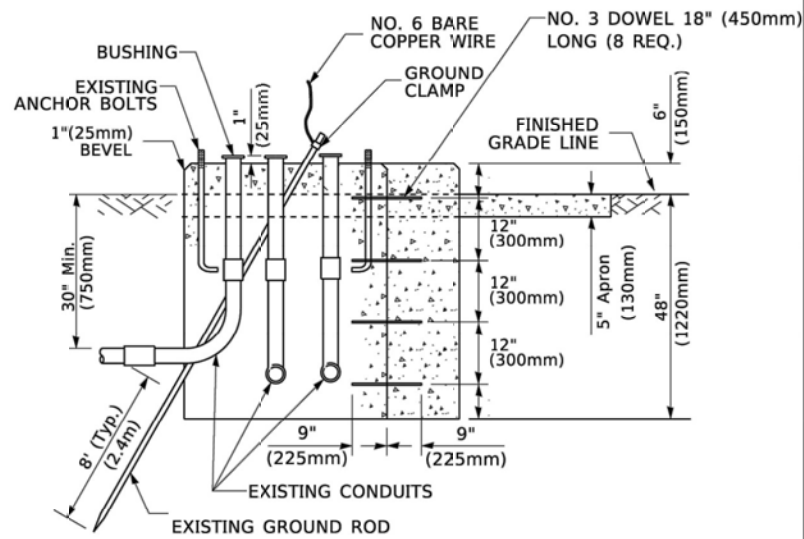
**NOTES:**

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)

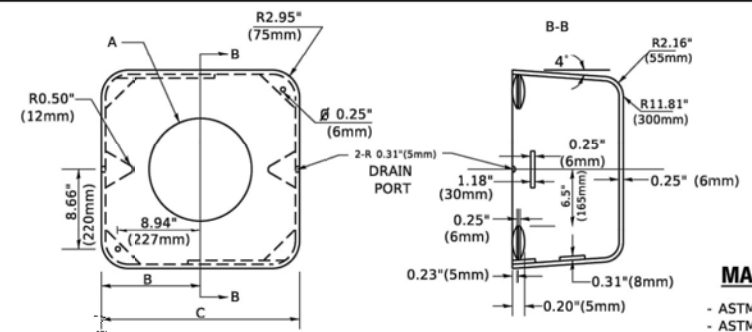


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

**NOTES:**

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



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

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

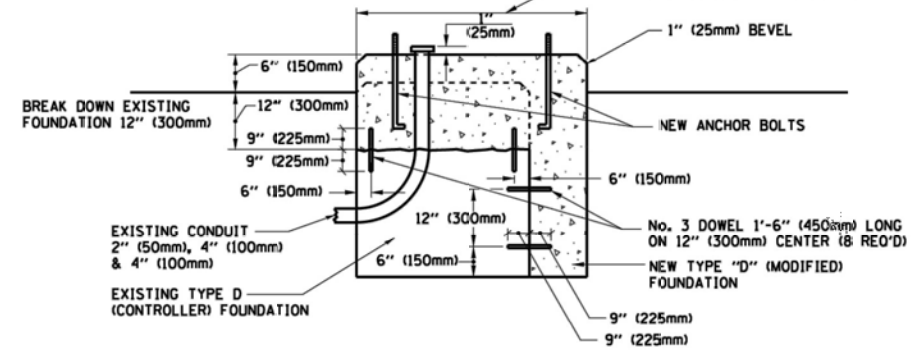
**SHROUD**

**NOTES:**

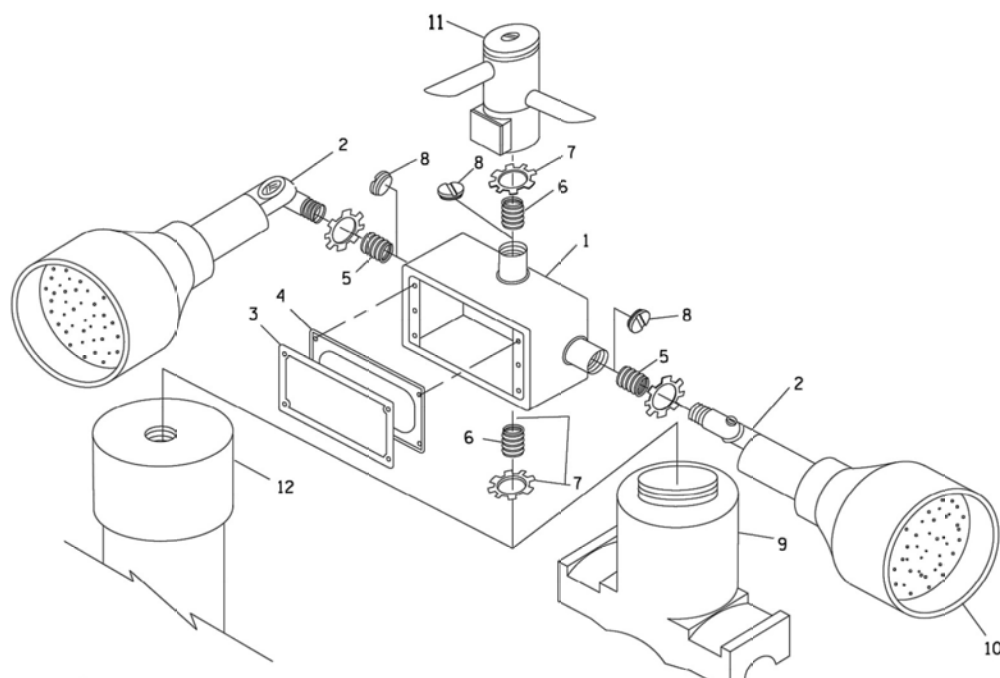
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

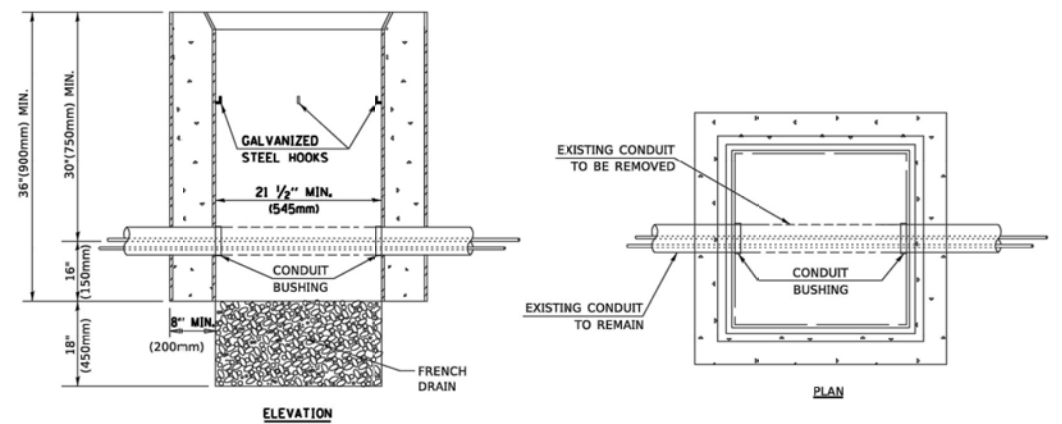
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

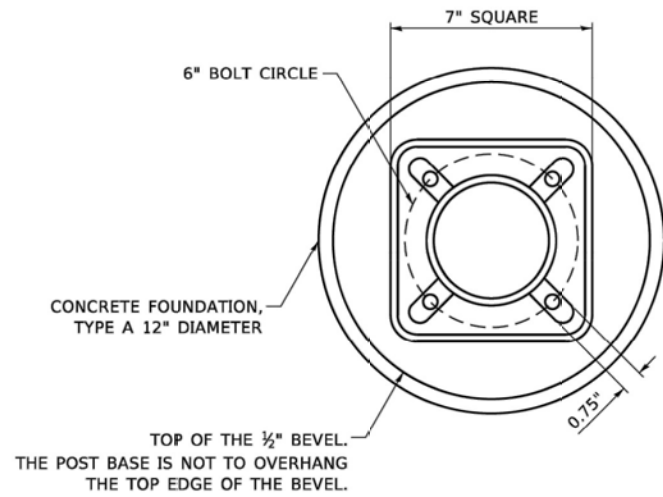
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	-	-

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	34
<b>TS-05</b>		CONTRACT NO. 61K40		
ILLINOIS / FED. AID PROJECT				

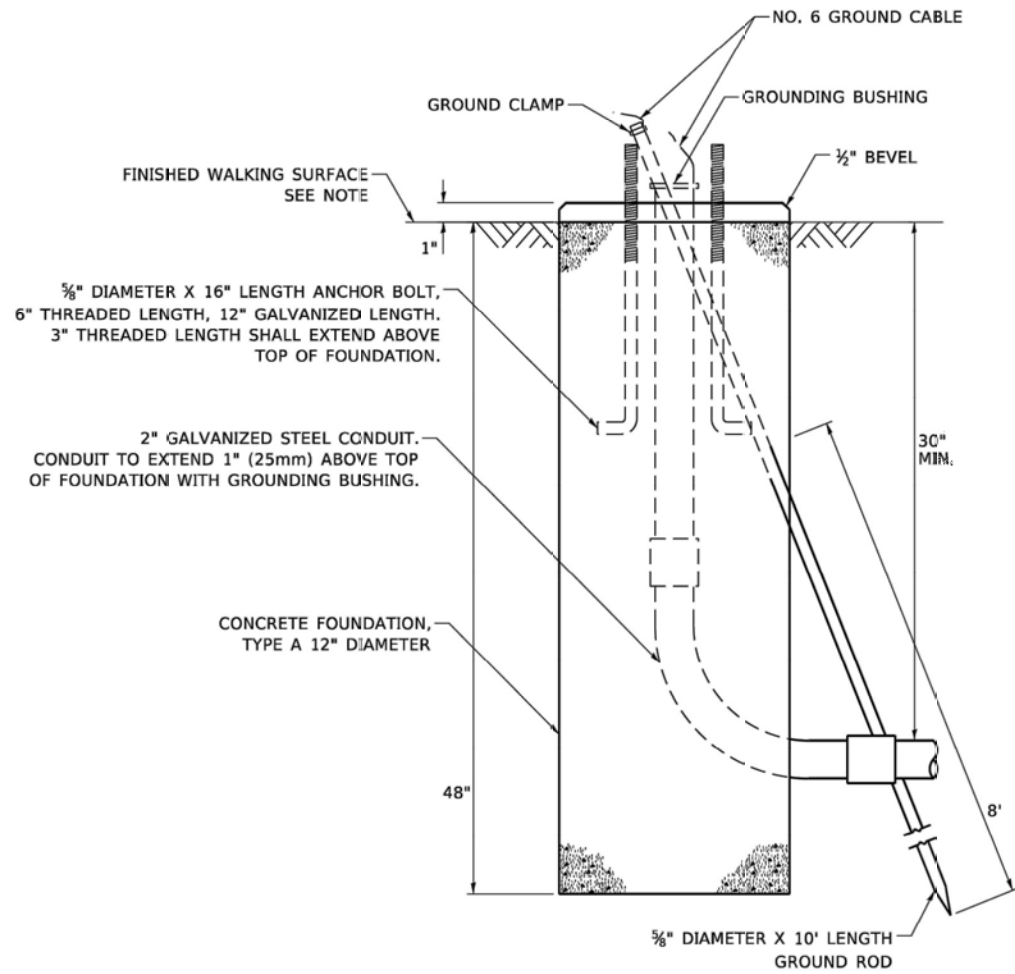
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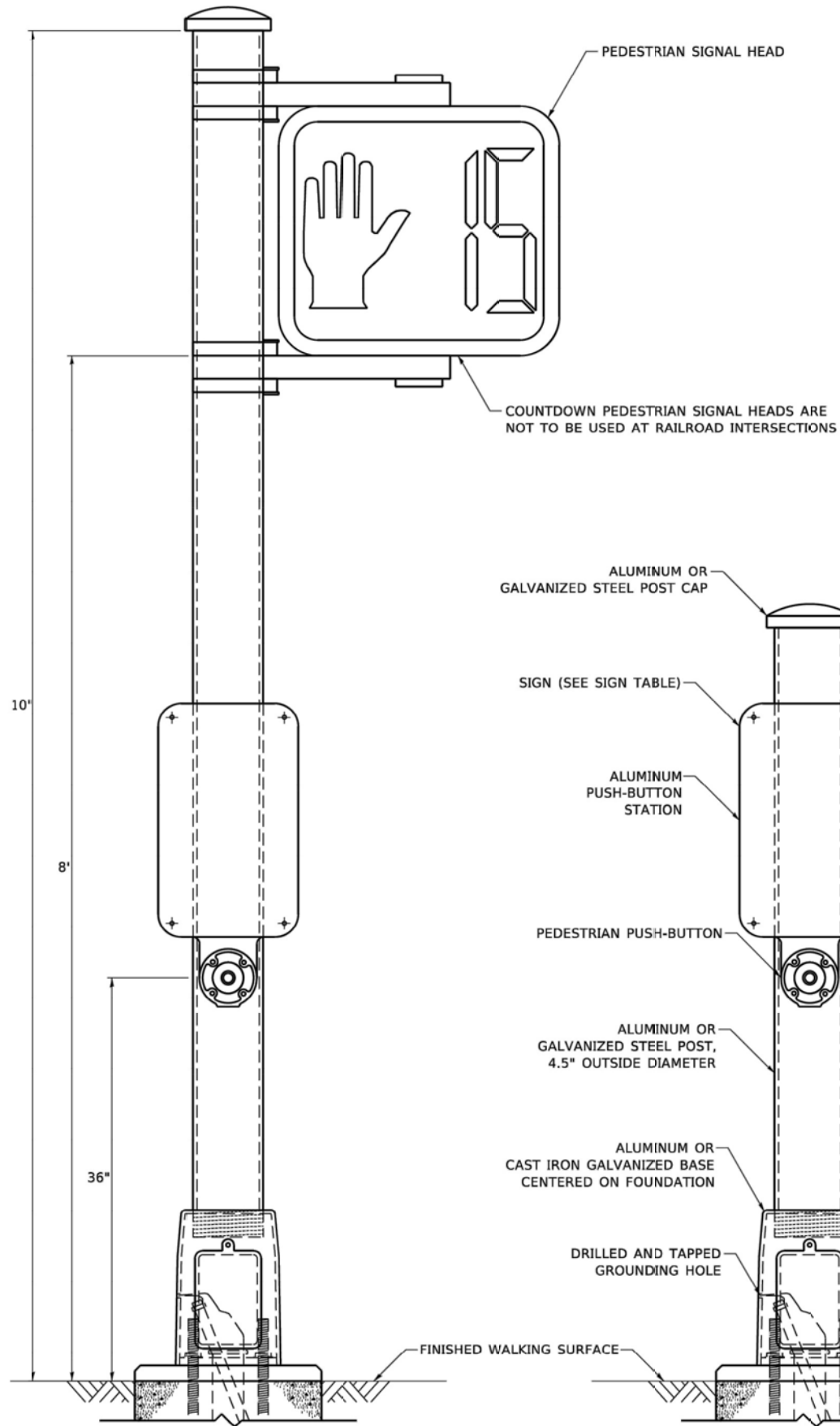
**BOLT PATTERN**

**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.**



**SIGN TABLE**

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

**NOTES:**

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

USER NAME = plascencia	DESIGNED - JP	REVISED - 10/15/2020
PLOT SCALE = 100,0000' / in.	DRAWN - JP	REVISED -
PLOT DATE = 11/17/2020	CHECKED - LP	REVISED -
	DATE - 10/15/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

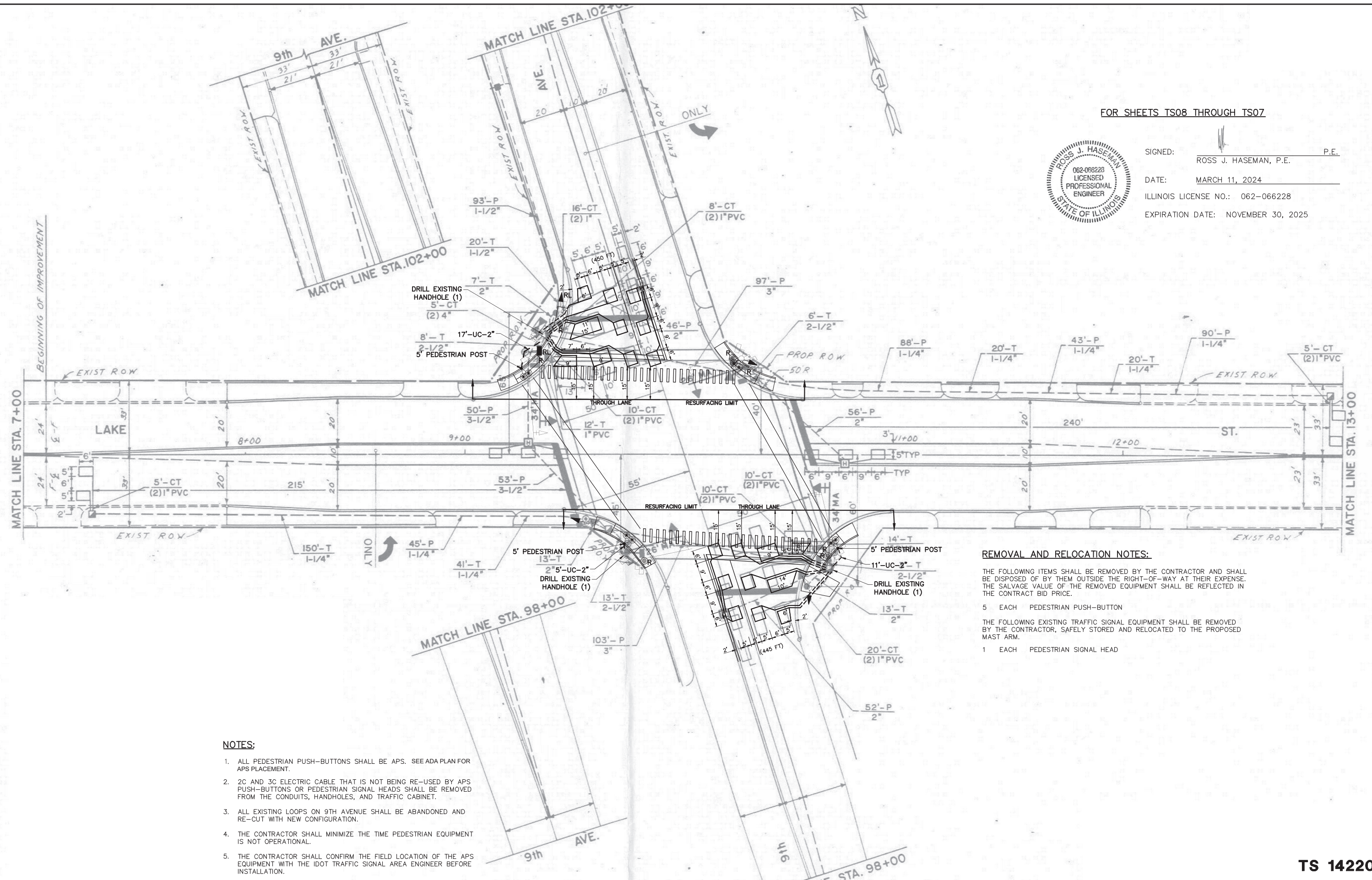
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F.A.U. RTE. 2733	SECTION 23-00'44-00-RS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 35
TS-05		CONTRACT NO. 61K40		
ILLINOIS FED. AID PROJECT				

FOR SHEETS TS08 THROUGH TS07



SIGNED: ROSS J. HASEMAN, P.E. P.E.  
 DATE: MARCH 11, 2024  
 ILLINOIS LICENSE NO.: 062-066228  
 EXPIRATION DATE: NOVEMBER 30, 2025



**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.

- 5 EACH PEDESTRIAN PUSH-BUTTON

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

- 1 EACH PEDESTRIAN SIGNAL HEAD

**NOTES:**

- ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS. SEE ADA PLAN FOR APS PLACEMENT.
- 2C AND 3C ELECTRIC CABLE THAT IS NOT BEING RE-USED BY APS PUSH-BUTTONS OR PEDESTRIAN SIGNAL HEADS SHALL BE REMOVED FROM THE CONDUITS, HANDHOLES, AND TRAFFIC CABINET.
- ALL EXISTING LOOPS ON 9TH AVENUE SHALL BE ABANDONED AND RE-CUT WITH NEW CONFIGURATION.
- THE CONTRACTOR SHALL MINIMIZE THE TIME PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
- THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.

**GHA** GEWALT HAMILTON ASSOCIATES, INC.  
 625 Forest Edge Drive  
 Vernon Hills, IL 60061  
 TEL: 847.480.7000  
 FAX: 847.480.7001

FILE NAME = 5419.100-TR.dwg  
 USER NAME = ZACH WALLSTEN  
 PLOT SCALE = 1" = .0833'  
 PLOT DATE = 12/3/2023

DESIGNED - RJH  
 DRAWN - ZCW  
 CHECKED - RJH  
 DATE - 12.04.2023

REVISED -  
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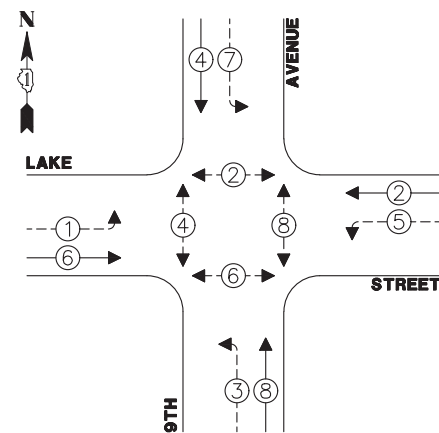
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN  
 9TH AVENUE AND LAKE STREET  
 SCALE 1"=20'  
 SHEET NO. 1 OF 2 SHEETS  
 STA. TO STA.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	36
CONTRACT #			61K40	
ILLINOIS FED. AID PROJECT				

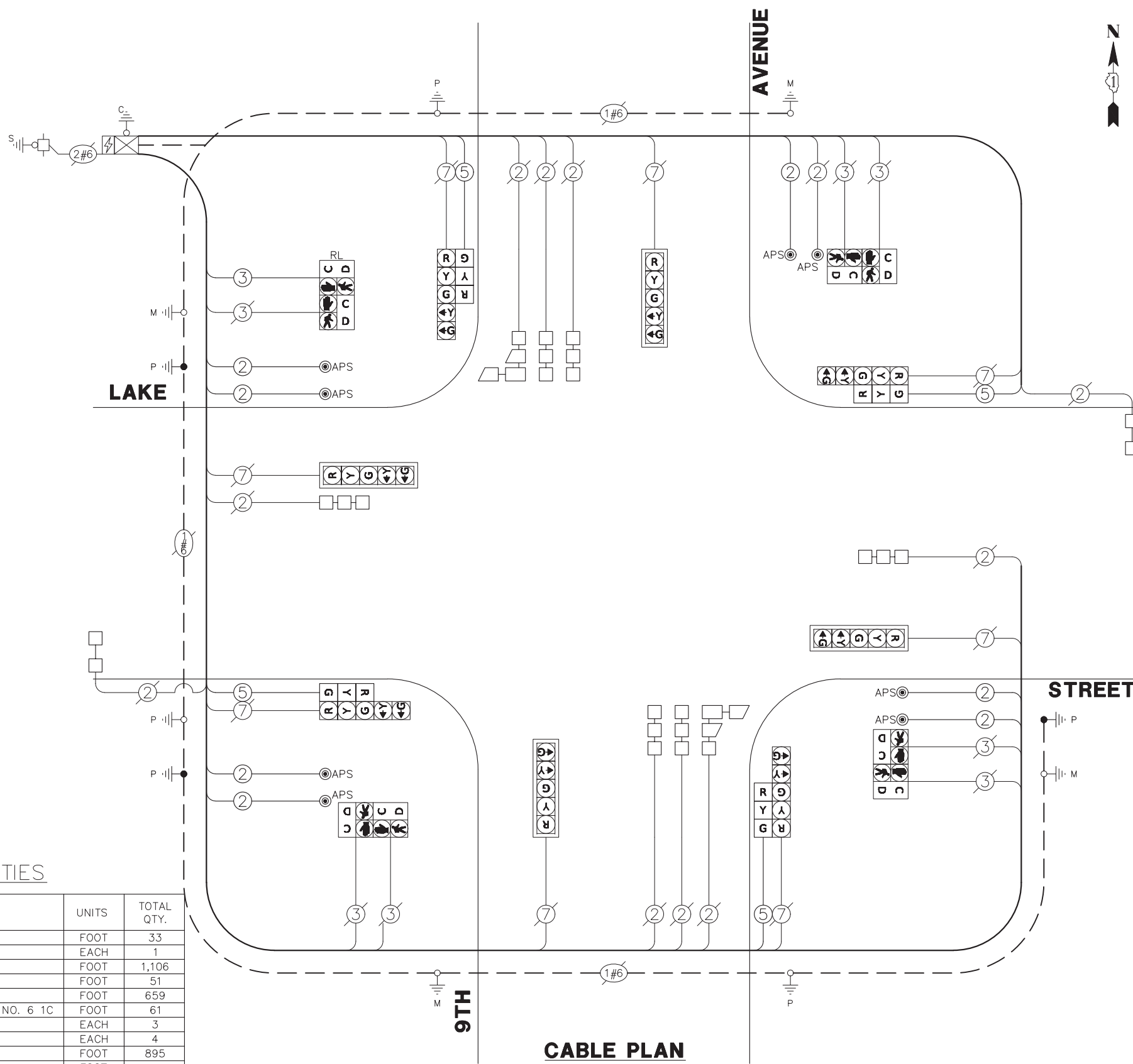
**TS 14220**

**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	4	11
	4-SECTION	-	14
	5-SECTION	8	13
PROGRAMMABLE SIGNAL	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	-	20
	VIDEO	-	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH (I OR II)	-	35	-
CELLULAR MODEM	-	15	-
TOTAL FOR UPS =			443
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 FOR SERVICE =			1,048

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	33
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,106
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	51
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	659
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	61
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
DETECTOR LOOP, TYPE I	FOOT	895
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	FOOT	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	50
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	573
PEDESTRIAN SIGNAL POST, 5 FT.	SQ FT	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

\* NOMINAL QUANTITY TO BE USED AT THE ENGINEER'S DISCRETION

ENERGY COSTS TO:

VILLAGE OF MAYWOOD  
40 MADISON STREET  
MAYWOOD, IL 60153

ENERGY SUPPLY: CONTACT: Ericka Irby  
PHONE: (779) 231-0633  
COMPANY: COM-ED  
ACCOUNT NUMBER: 19071-13063

**GEHAT HAMILTON ASSOCIATES, INC.**  
 625 Forest Edge Drive  
 Vernon Hills, IL 60061  
 FAX: 847-482-0707

FILE NAME = 5419.100-TR.dwg	USER NAME = ZACH WALLSTEN	DESIGNED - RJH	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - RJH	REVISED -
		DATE - 12.04.2023	REVISED -

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

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
9TH AVENUE AND LAKE STREET

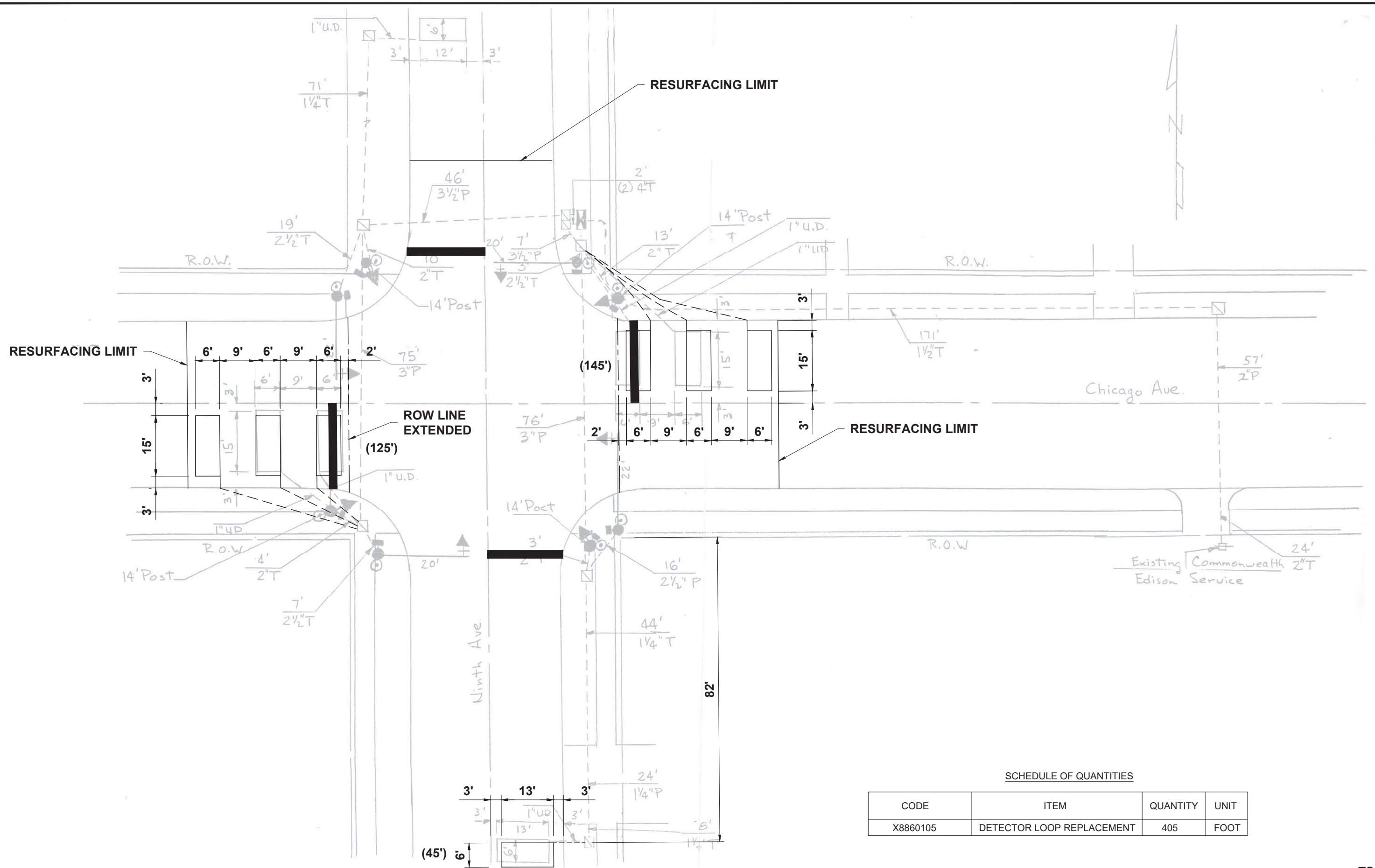
SCALE NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2733	23-00144-00-RS	COOK	38	37
CONTRACT #			61K40	

**TS 14220**

ILLINOIS FED. AID PROJECT

Drawing file: W:\Projects\_by\_Village\Meiose Park\60023084 - 9th Ave Resurfacing (AFO) Ph 1 & 1\Traffic Signal Details.dwg  
 Apr 26, 2024 - 7:12pm



SCHEDULE OF QUANTITIES

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	405	FOOT

TS 14245



CIVIL ENGINEERS  
 Municipal Consultants  
 Established 1911

DESIGNED - ELS	REVISED - 2-8-24
DRAWN - SFB, DMM	REVISED - 3-12-24
CHECKED - XX	REVISED - 4-22-24
DATE - 11-15-23	REVISED - 4-7-24

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

**DETECTOR LOOP REPLACEMENT PLAN 9TH AVENUE AND CHICAGO AVENUE**

SCALE: NONE SHEET NO. 10 OF 10 SHEETS STA. - TO STA. -

F.A.U. RTE. 2733	SECTION 23-00144-00-RS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 38
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61K40		
E.H.E. PROJECT NO. 600-23-08401		FED. AID PROJECT		