

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	1
ILLINOIS			CONTRACT NO. 80B36	

* 56 + 2 = 58 TOTAL SHEETS

D-91-198-25



LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO.

THIS IMPROVEMENT IS LOCATED IN
THE VILLAGE OF FRANKFORT

TRAFFIC DATA

US 45 ADT(2023): 22700
SPEED LIMIT: 35 MPH

IMPROVEMENT ENDS
248+27.43

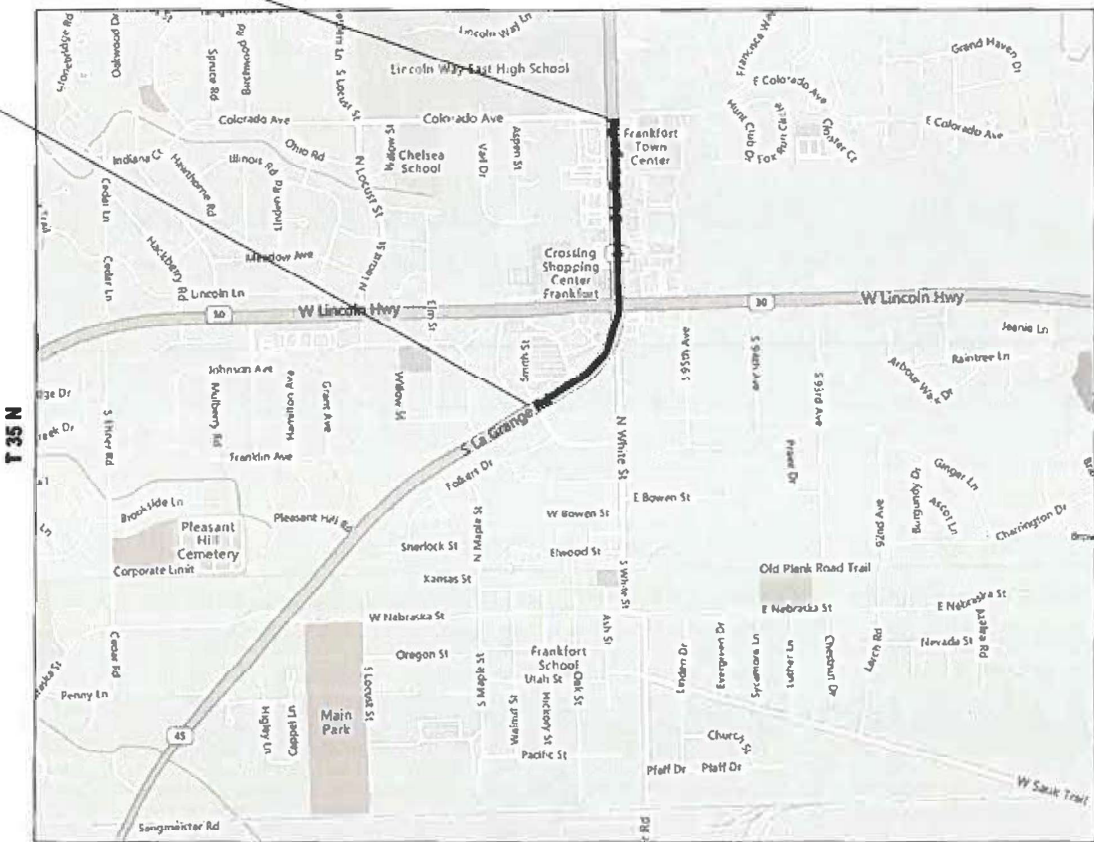
IMPROVEMENT BEGINS
STA. 163+35

PROPOSED
HIGHWAY PLANS

FAP ROUTE 330: US 45
S OF COLORADO AVE TO S OF FRANKFORT MAIN
SECTION : 2025-1088-RS
PROJECT : NHPP-LFQ2(846)
STANDARD OVERLAY
WILL COUNTY

C-91-272-25

R 12 E



FRANKFORT TOWNSHIP



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

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 211-3056

CONTRACT NO. 80B36

GROSS LENGTH = 8492.4 FT. = 1.6 MILE
NET LENGTH = 8492.4 FT. = 1.6 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED

December 9th 2025

REGIONAL ENGINEER

December 5th 2025

ENGINEER OF DESIGN AND ENVIRONMENT

December 5th 2025

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

STATE STANDARDS

GENERAL NOTES

INDEX OF SHEETS

SHEET NO.

DESCRIPTION

STANDARD NO.

DESCRIPTION

- 1

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES & VILLAGE OF FRANKFORT.
- 2

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 3

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 4

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 5

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 6

THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 7

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 8

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 9

THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA KANNAN-HOSADURGA@ ILLINOIS .GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 10

OVERNIGHT LANE CLOSURE SHALL NOT BE ALLOWED FOR REHABILITATION INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- 11

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 12

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 13

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL TYPICAL APPLICATION RAISED REFLECTION PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHOWN
- 14

PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. IN THE PLANS.
- 15

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 16

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF STANDARD SPECIFICATION UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 17

TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
- 18

THE RESIDENT ENGINEER SHALL CONTACT IDOT ROADSIDE DEVELOPMENT UNIT AT LEAST 2 WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.

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		DRAWN -	REVISED -			330	2025-1088-RS	WILL	56	2
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -			CONTRACT NO. 80B36				
	PLOT DATE = 10/21/2025	DATE -	REVISED -			SCALE:	SHEET OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

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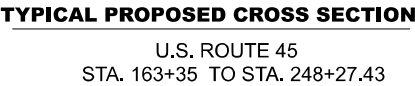
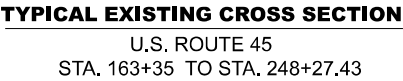
SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY					
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	21.7	21.7					
	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10					
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10	10					
	20200100	EARTH EXCAVATION	CU YD	45	45					
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	150	150					
	25200110	SODDING, SALT TOLERANT	SQ YD	150	150					
	31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	740	740					
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	3	3					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12966	12966					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	18784	18784					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	84	84					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	79	79					
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1913	1913					
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3054	3054					
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1	1					
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	5465	5465					
	42001300	PROTECTIVE COAT	SQ YD	9898	9898					
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	9	9					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4054	4054					
	42400800	DETECTABLE WARNINGS	SQ FT	422	422					
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	935	935					
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	11	11					
* SPECIALTY ITEM										

MODEL: SQQ 7 [Sheet]
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SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY					
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5					
	67100100	MOBILIZATION	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	16353	16353					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	13562	13562					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1281	1281					
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	16954	16954					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	7170	7170					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	764	764					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	684	684					
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	20864	20864					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1281	1281					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16954	16954					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7170	7170					
* SPECIALTY ITEM										
		USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			US 45 FROM S OF COLORADO AVE. TO S OF FRANKFORT MAIN SUMMARY OF QUANTITIES		
			DRAWN -	REVISED -						
			CHECKED -	REVISED -						
		PLOT DATE = 10/21/2025	DATE -	REVISED -						

SUMMARY OF QUANTITIES					TYPE CODE						
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	
					ROADWAY						
					80% FED 20% STATE	100% STATE	80% FED 20% STATE				
	Code No.	Item	Unit	Total Quantity	0005	0005	0021				
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	764	764						
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	684	684						
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	507	507						
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	507	507						
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	11311	11311						
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	569			569				
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	298			298				
*	81400200	HEAVY-DUTY HANDHOLE	EACH	5			5				
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5			5				
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3693			3693				
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1044			1044				
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	679			679				
*	87900100	DRILL EXISTING FOUNDATION	EACH	27			27				
*	88600100	DETECTOR LOOP, TYPE I	FOOT	2238			2238				
*	89502200	MODIFY EXISTING CONTROLLER	EACH	3			3				
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2652			2652				
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5			5				
*	89502376	REBUILD EXISTING HANDHOLE	EACH	2			2				
*	89502380	REMOVE EXISTING HANDHOLE	EACH	5			5				
	K0026700	TREE CARE	EACH	20	20						
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1						
* SPECIALTY ITEM											
INOIS NSPORTATION		US 45 FROM S OF COLORADO AVE. TO S OF FRANKFORT MAIN SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
					330	2025-1088-RS		WILL	56	3A	
		SCALE:			SHEET SOQ 7 OF SHEETS	STA.		TO STA.		CONTRACT NO. 80B36	
									ILLINOIS	FED. AID PROJECT	

[illegible]



THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER
- POLY. HMA BINDER COURSE, IL-4.75, N50

THE CONTRACTOR SHALL PATCH FIRST THEN OVERLAY

LEGEND

- ① EXIST. PORTLAND CEMENT CONCRETE PAVEMENT, 9-1/2"(JOINTED)
- ② EXIST. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ③ EXIST. AGGREGATE SUBGRADE 12"
- ④ EXIST. P.C.C SIDEWALK, 5"
- ⑤ EXIST. STABILIZED MEDIAN SURFACE
- 5A EXIST. COMB. CONC. CURB & GUTTER REMOVAL
- ⑥ EXIST. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24
- ⑦ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B
- ⑧ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- ⑨ PROP. CONC. MEDIAN SURFACE, 6"
- ⑩ PROP. COMB. CONC. CURB AND GUTTER, TYPE M- 4.24
- 11 PROP. MEDIAN REMOVAL
- ⑫ PROP. SUBBASE GRANULAR MATERIAL, TYPE B (AS DETERMINED BY ENGINEER)
- ⑬ PROP. P.C.C SURFACE REMOVAL (VARIABLE DEPTH)
- ⑭ PROP. POLY. HMA SURFACE COURSE, MIX E, IL-9.5, N70, 1 3/4"
- ⑮ PROP. POLY. HMA BINDER COURSE, MIX E, IL-4.75, N50, 1"

HMA MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS & Ndes	
PAVEMENT RESURFACING		
POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70	4% @ 70 GYR	QCP
POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR	QC/QA
HMA BASE COURSE (HMA BINDER IL-19mm); CE-8"	4% @ 50 GYR	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA
QMP Designation: Pay for Performance (PFP); Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

NOTES

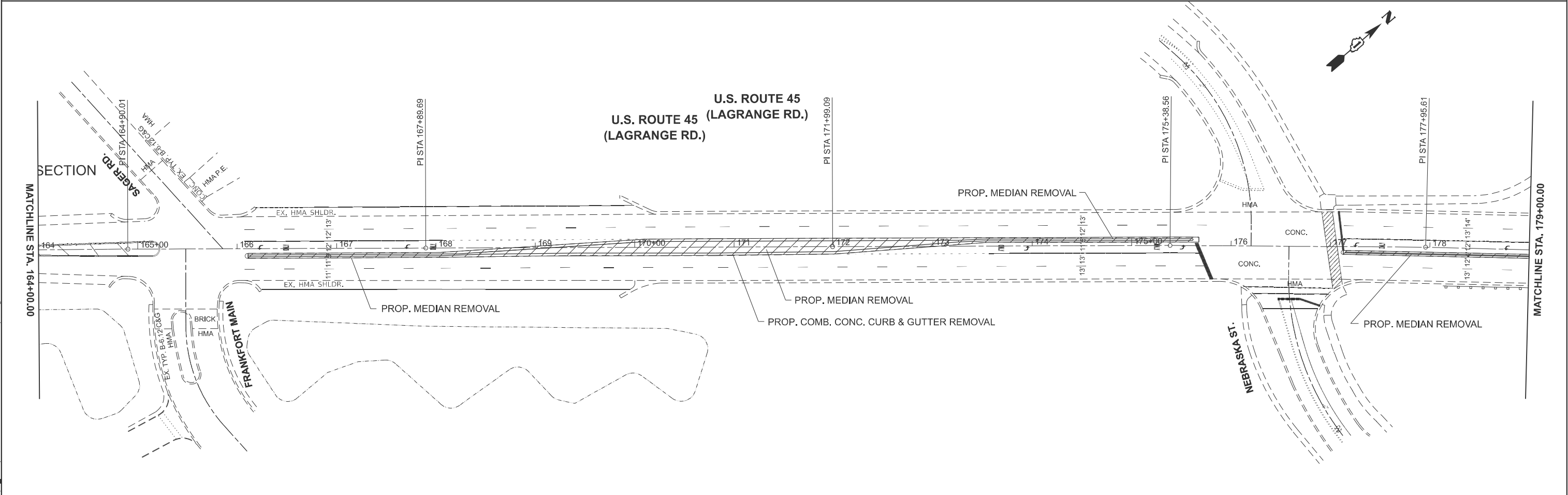
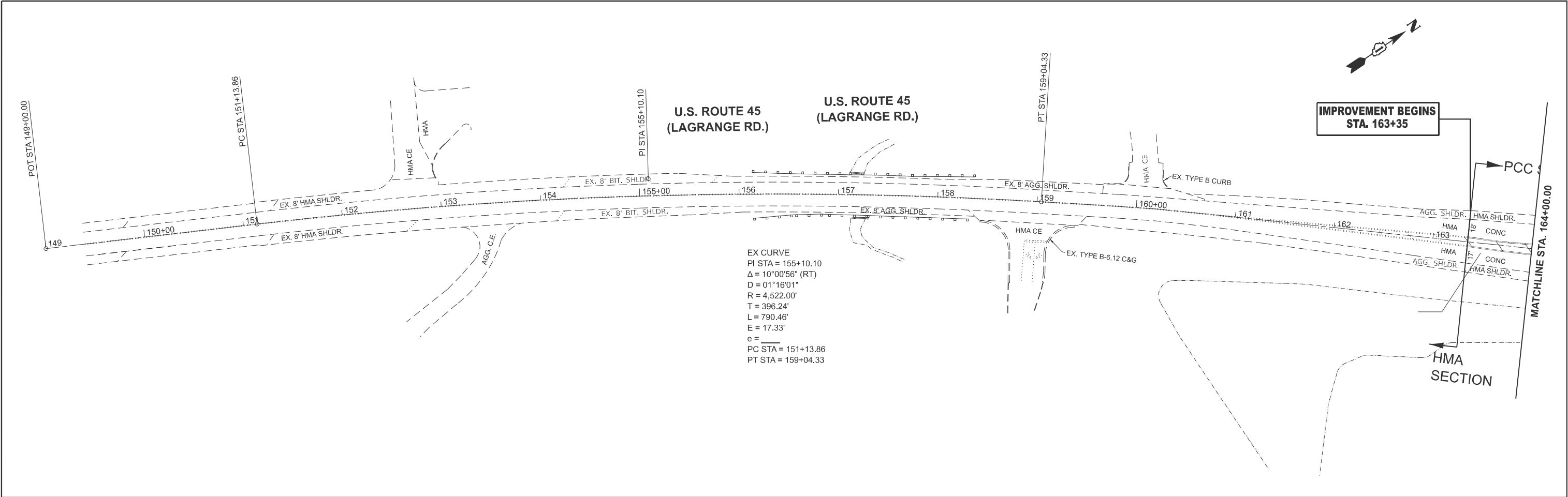
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQYD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						330	2025-1088-RS	WILL	56	5	
		CHECKED -	REVISED -						CONTRACT NO. 80B36					
	PLOT DATE = 10/21/2025	DATE -	REVISED -		SCALE:	SHEET Typical Section	SHEETS	STA.	TO STA.					
						ILLINOIS FED. AID PROJECT								

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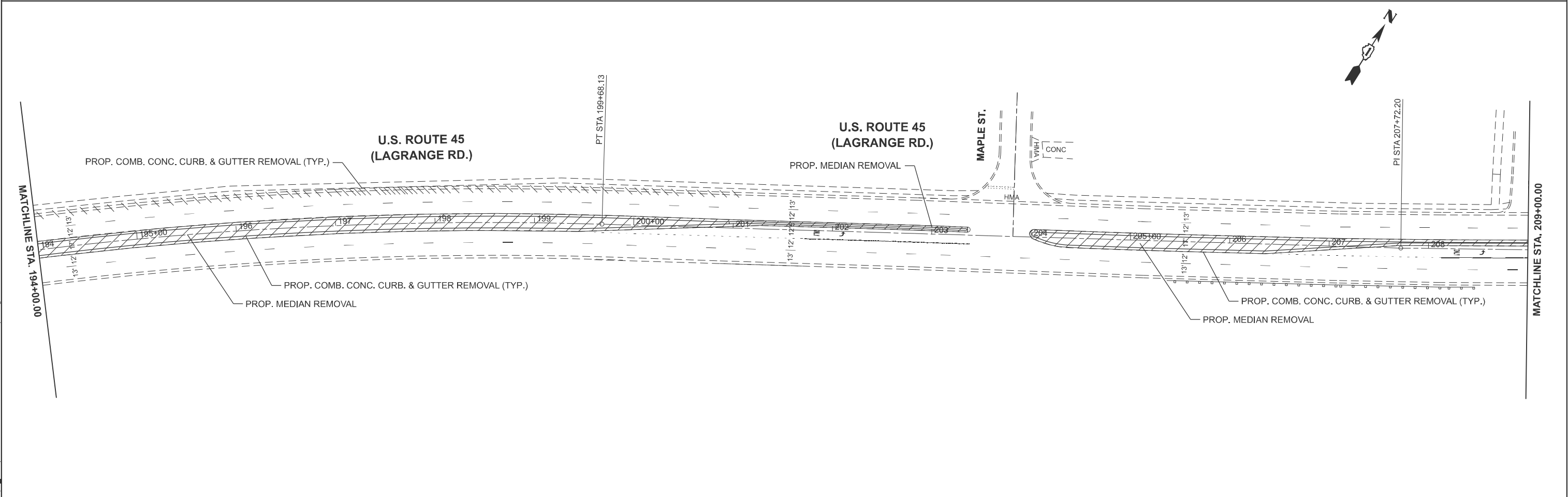
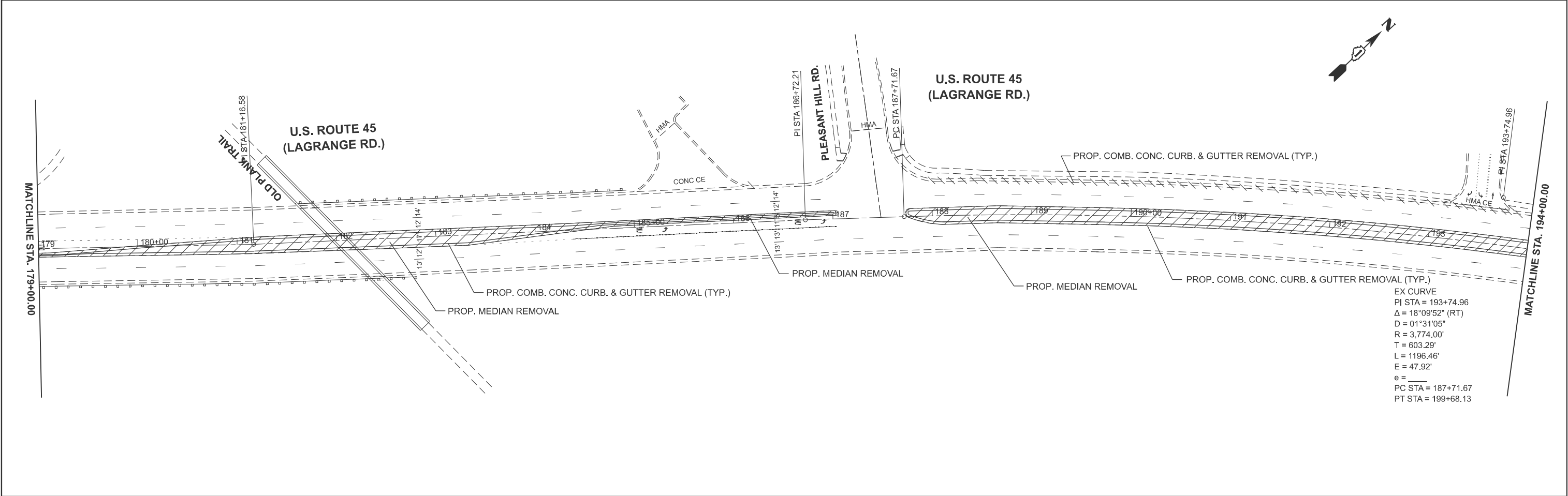
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	
UNIT	<u>STATION</u>	<u>QUANTITY</u>
	-	-
	TOTAL	UNITS
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	
UNIT	<u>STATION</u>	<u>QUANTITY</u>
	<u>238+00</u>	<u>21.7</u>
	TOTAL	21.7 UNITS
20101330	TREE PRUNING (1 TO 10 INCH DIAMETER)	
EACH	<u>STATION</u>	<u>QUANTITY</u>
	TOTAL	10 EA
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	
EACH	<u>STATION</u>	<u>QUANTITY</u>
	<u>233+00</u>	<u>10</u>
	TOTAL	10 EA

X2100002	PRUNING FOR SAFETY & EQUIP. CLEAR	
UNIT (100 LF)	STATION	QUANTITY
	189+00 to 191+00RT	2
	205+00 to 207+00RT	2
	Lump sum? or TOTAL	4 units
Z0064800	SELECTIVE CLEARING	
UNIT (1000 SF)	<u>STATION</u>	<u>QUANTITY</u>
	<u>168+00 to 171+00RT</u>	<u>6.3</u>
	<u>168+50 to 171+00LT</u>	<u>5.3</u>
	<u>178+00 to 181+20LT</u>	<u>6.7</u>
	-	-
	-	-
	TOTAL	18.3 UNITS
X2010350	TREE REMOVAL, ACRES (SPECIAL)	
ACRE	<u>STATION</u>	<u>QUANTITY</u>
	<u>205+00 to 209+00 LT</u>	<u>0.2</u>
	-	-
	TOTAL	.2 ACRE
K0026700	TREE CARE	
	<u>STATION</u>	<u>QUANTITY</u>
	<u>227+00 TO 248+00</u>	<u>20</u>
	TOTAL	20 EACH



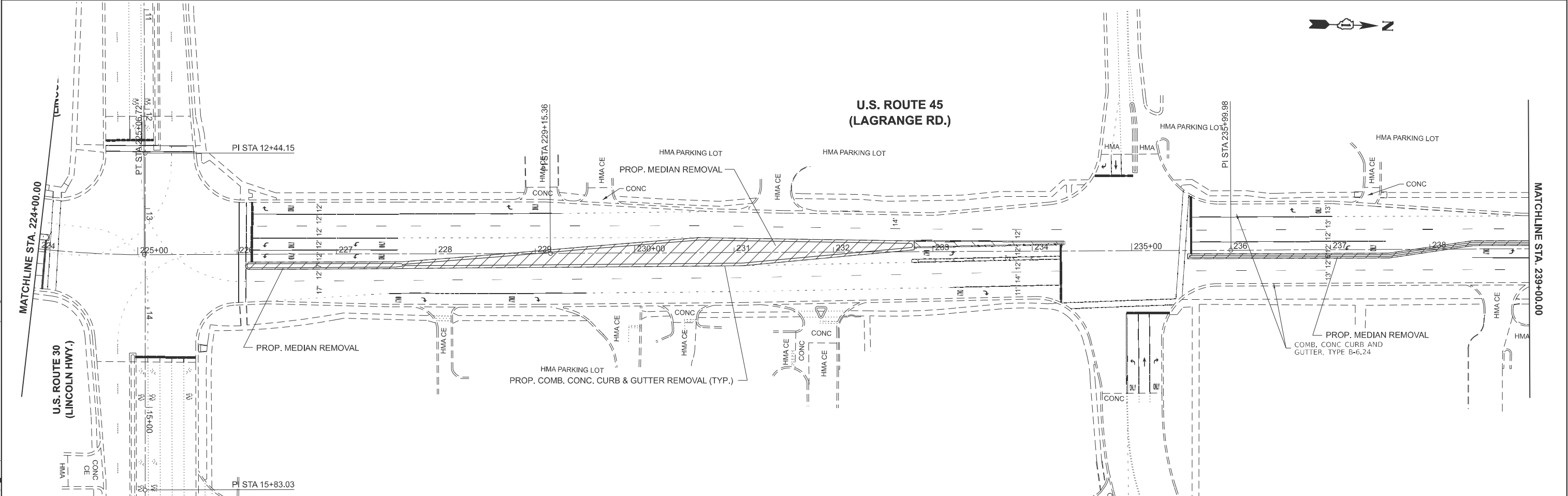
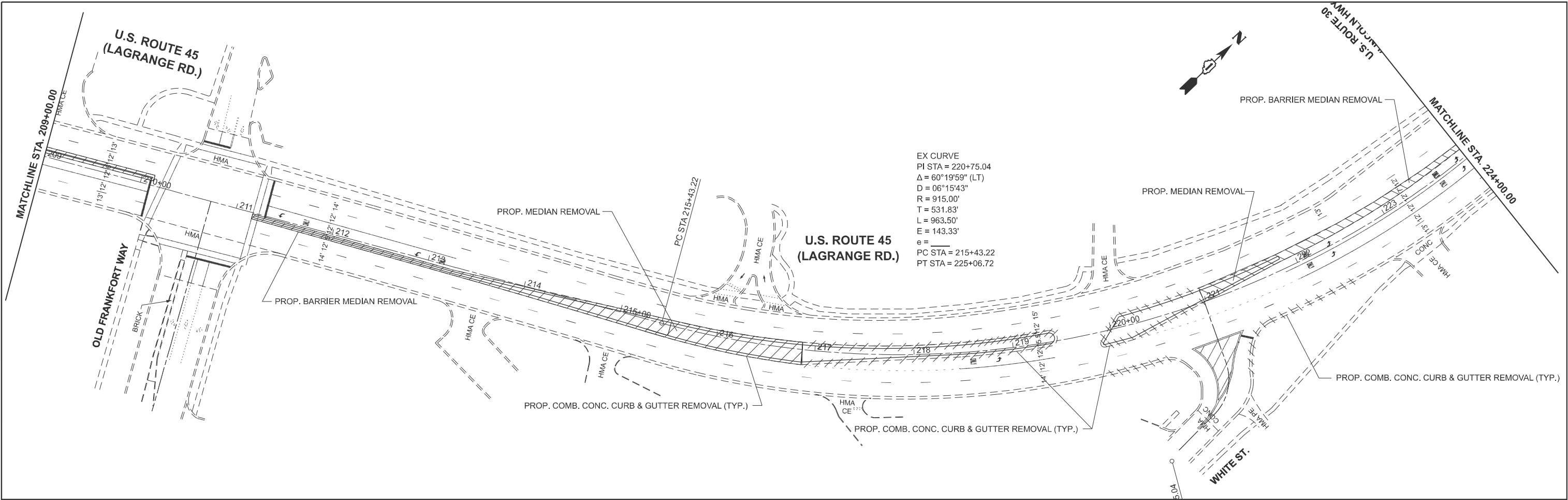
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	USER NAME = Addis.Abebew		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING ROADWAY PLAN U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -						30	2025-1088-RS	WILL	56	6
			CHECKED -	REVISED -						CONTRACT NO. 80B36				
	PLOT DATE = 10/16/2025		DATE -	REVISED -		SCALE: 1"=50'	SHEET 1	OF	SHEETS	STA. 149+00.00	TO STA. 179+00.00	ILLINOIS FED. AID PROJECT		



MODEL: US45 - RdwyPlan03 [Sheet]
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		DRAWN -	REVISED -						30	2025-1088-RS	WILL	56	7
		CHECKED -	REVISED -						CONTRACT NO. 80B36				
	PLOT DATE = 10/21/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
	SCALE: 1"=50'		SHEET 2										



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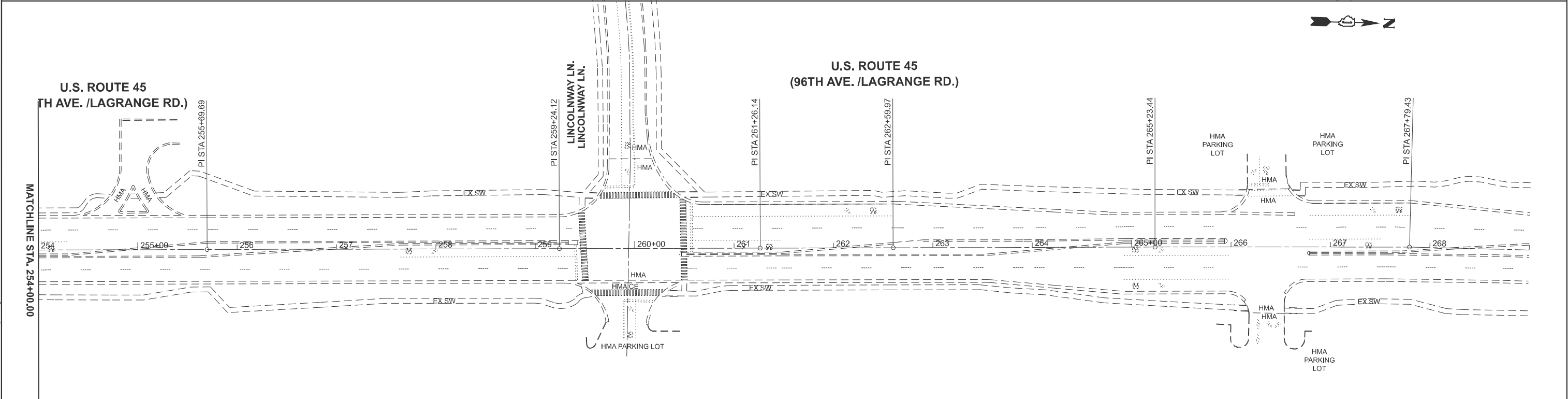
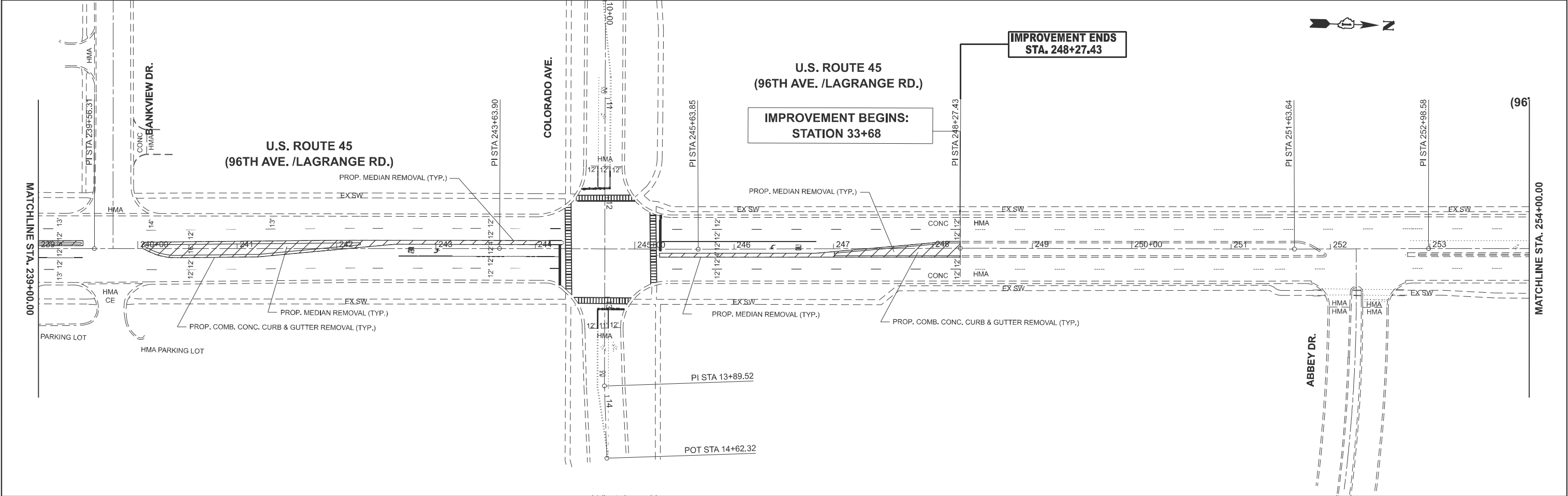
PLOT DATE = 10/21/2025	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ROADWAY PLAN
U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)

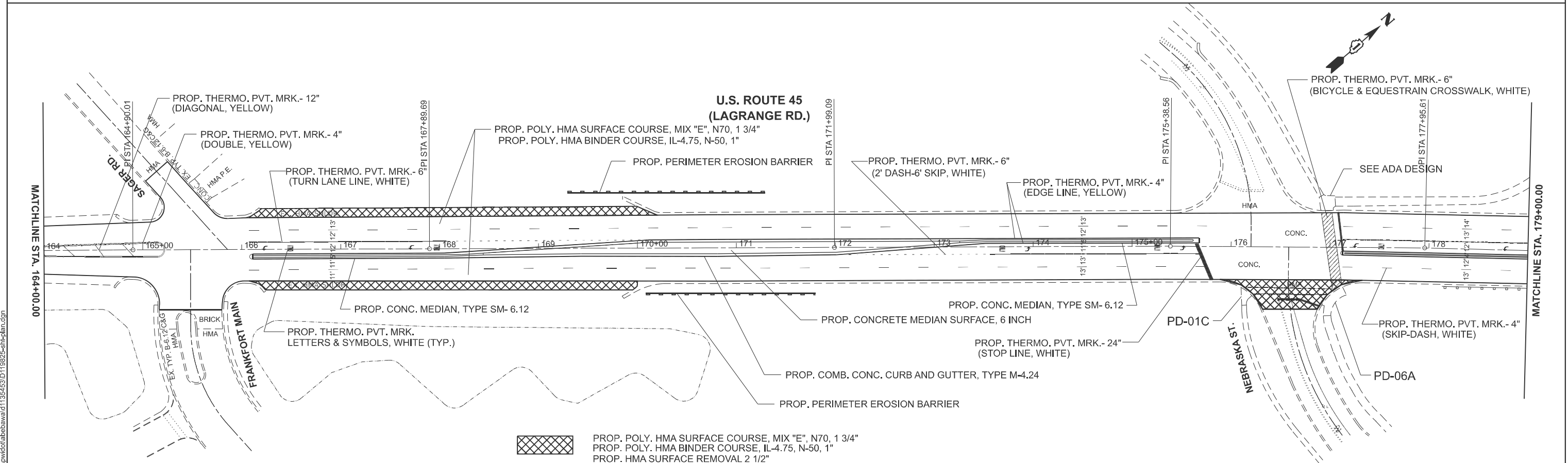
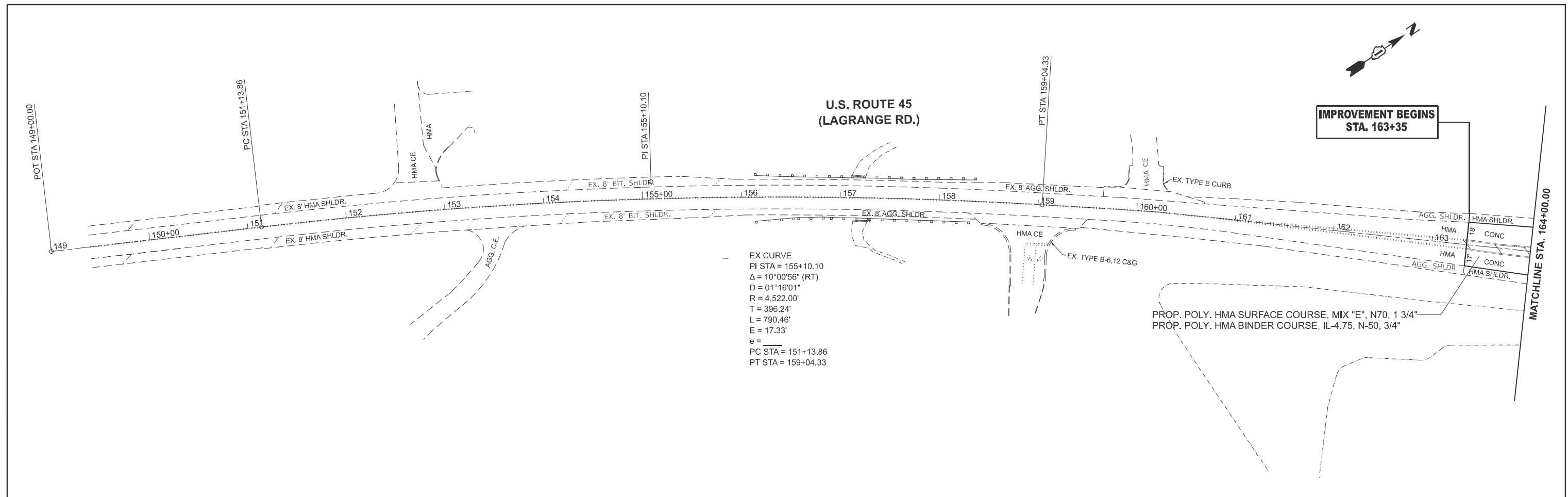
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	8
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

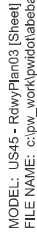
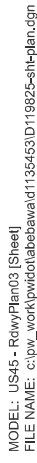


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	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING ROADWAY PLAN U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						30	2025-1088-RS	WILL	56	9	
		CHECKED -	REVISED -						CONTRACT NO. 80B36					
	PLOT DATE = 10/21/2025	DATE -	REVISED -		SCALE: 1"=50'	SHEET 4	OF	SHEETS	STA. 239+00.00	TO STA. 269+00.00	ILLINOIS FED. AID PROJECT			

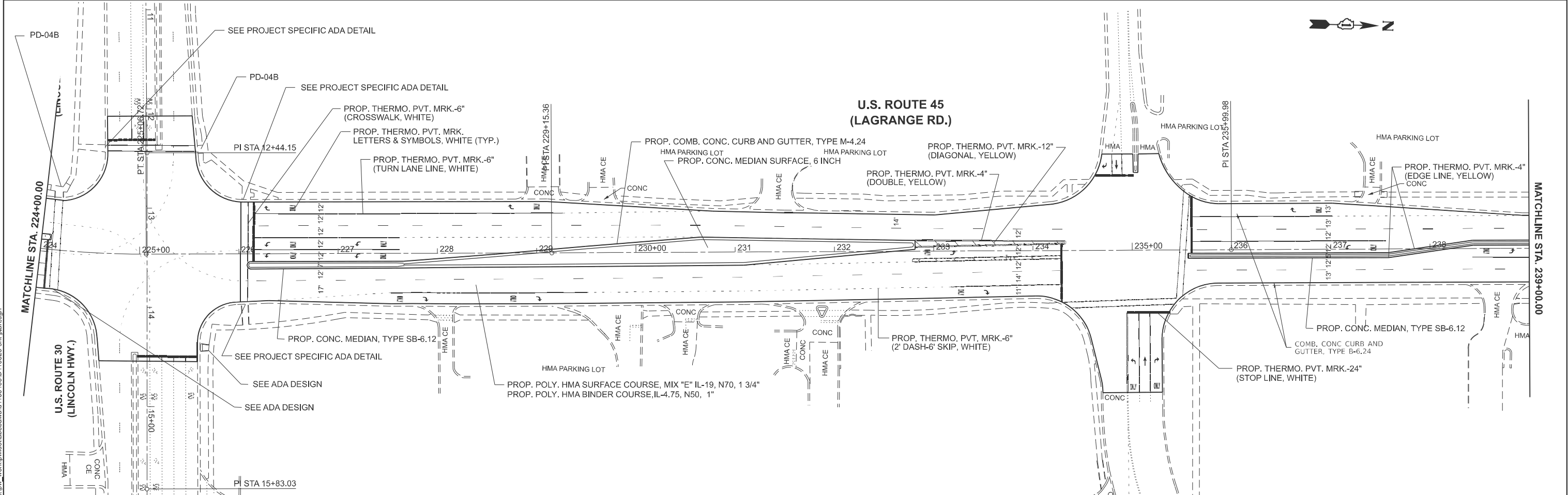
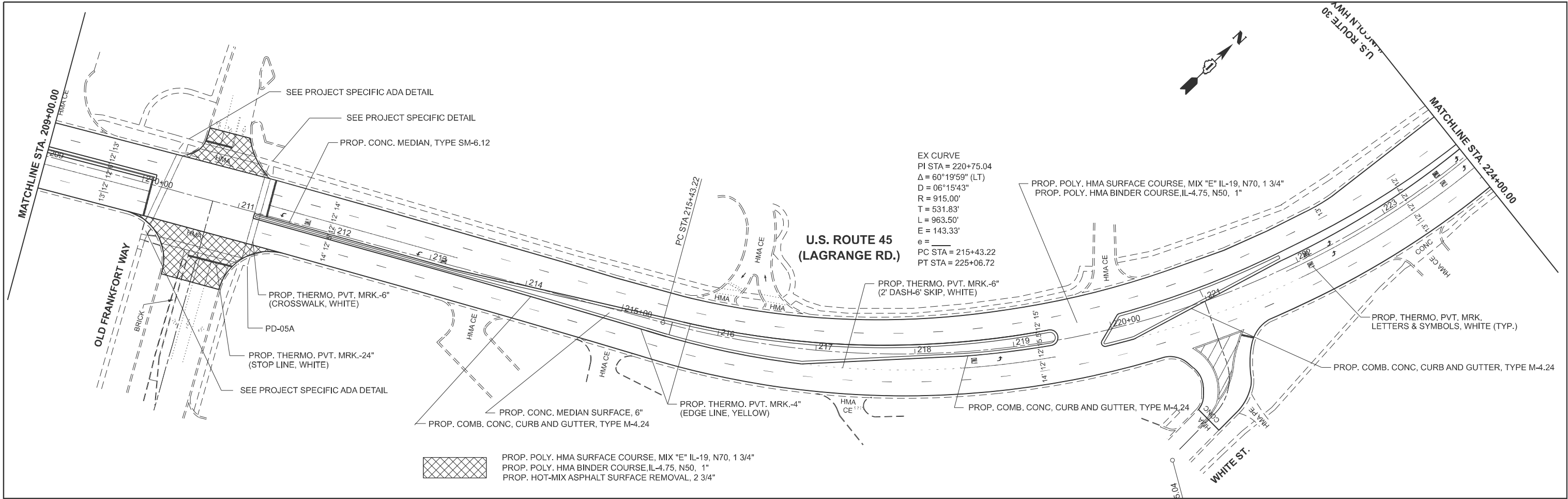


FILE NAME:	USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)				30	2025-1088-RS	WILL	56	10	
		CHECKED -	REVISED -						CONTRACT NO. 80B36					
	PLOT DATE = 10/21/2025	DATE -	REVISED -		SCALE: 1"=50'	SHEET 1	OF 4 SHEETS	STA. 149+00.00 TO STA. 179+00.00	ILLINOIS FED. AID PROJECT					



USER NAME = Addis.Abebaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						30	2025-1088-RS	WILL	56	11
	CHECKED -	REVISED -						CONTRACT NO. 80B36				
PLOT DATE = 10/21/2025	DATE -	REVISED -		SCALE: 1"=50'	SHEET 2	OF 4 SHEETS	STA. 179+00.00	TO STA. 209+00.00				

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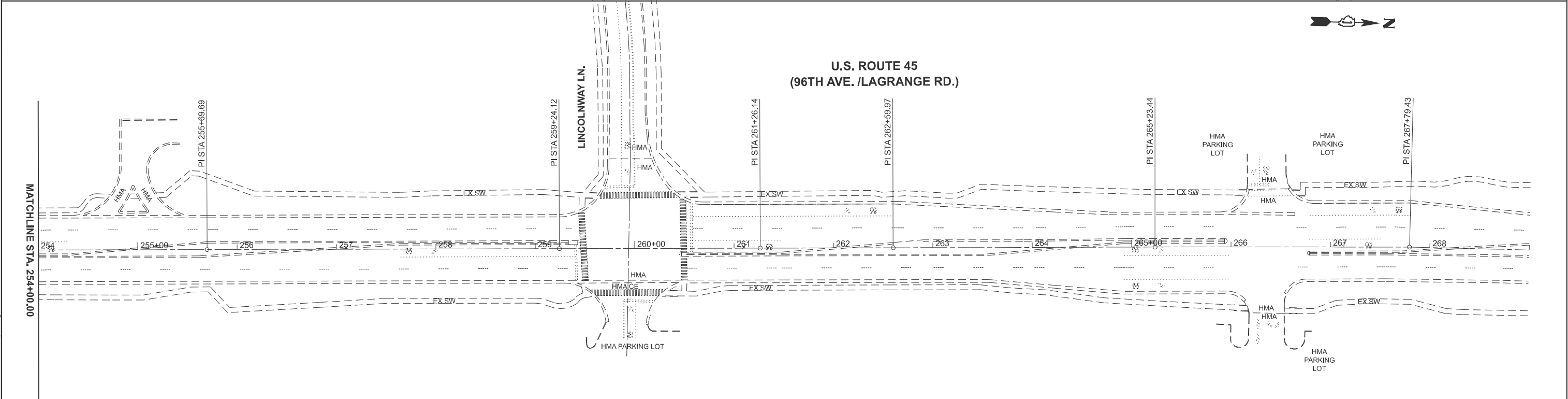
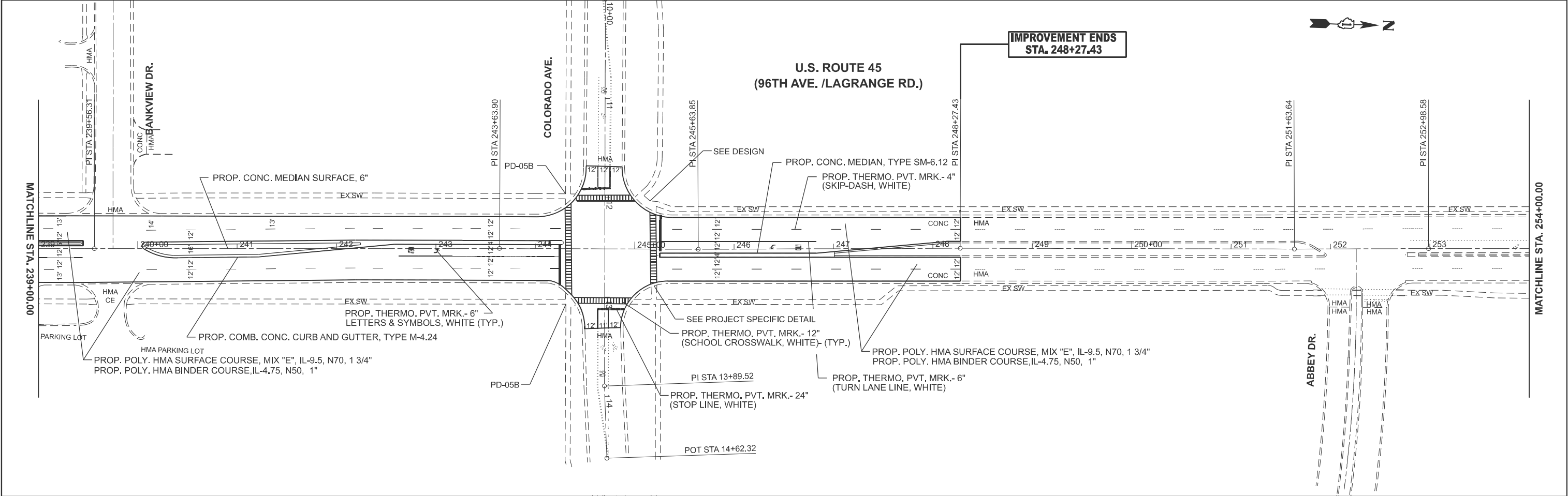
USER NAME = Addis.Abebaw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/21/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 209+00.00 TO STA. 239+00.00

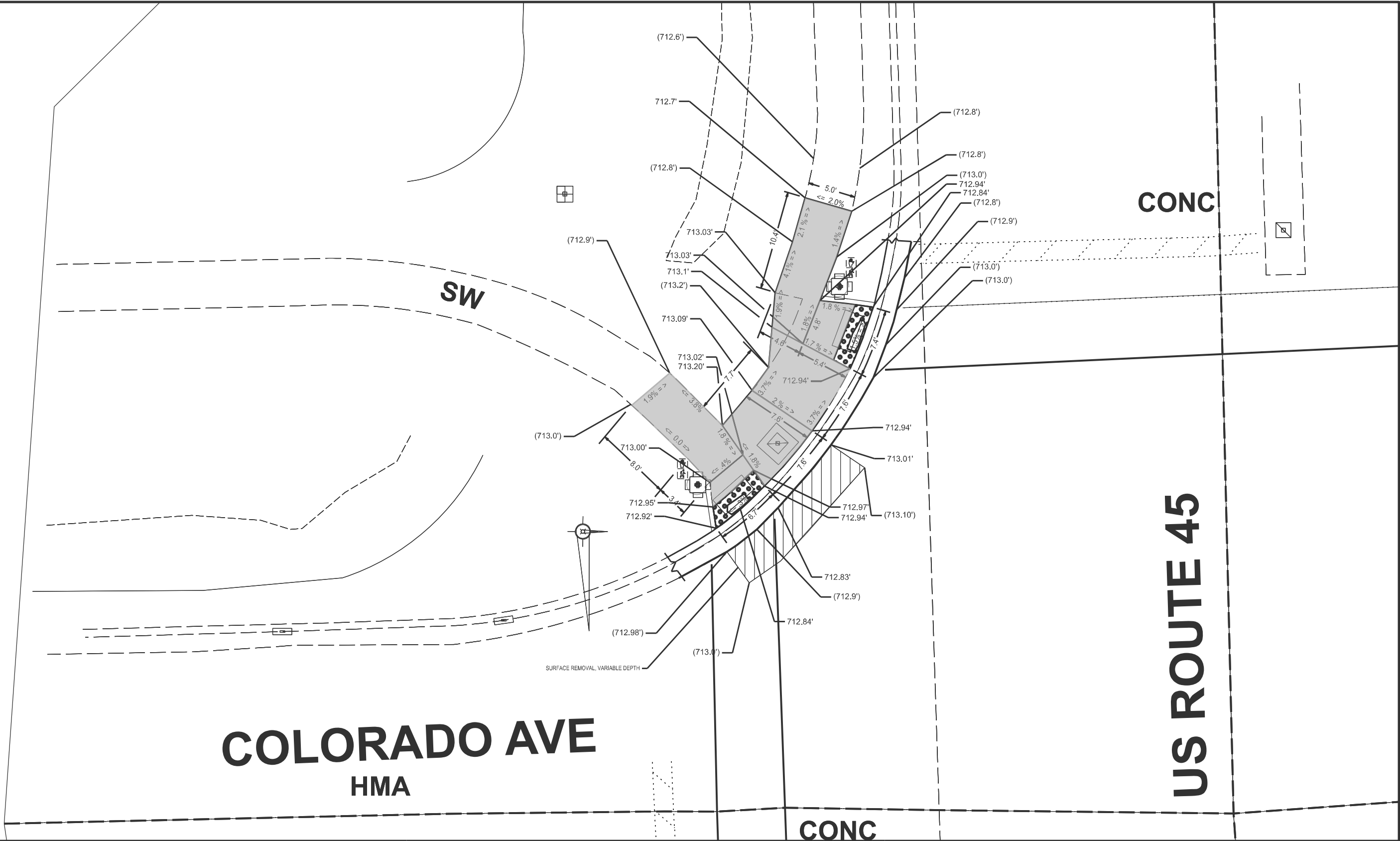
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	12
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				



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	USER NAME = Addis.Abebew	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN U.S. ROUTE 45 (LAGRANGE RD.) (FRANKFORT MAIN TO COLORADO AVE.)			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					30	2025-1088-RS	WILL	56	13
		CHECKED -	REVISED -					CONTRACT NO. 80B36				
	PLOT DATE = 10/21/2025	DATE -	REVISED -		SCALE: 1"=50'	SHEET 4 OF 4 SHEETS	STA. 239+00.00 TO STA. 269+00.00	ILLINOIS FED. AID PROJECT				

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LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK: ELEV. 715.58
BENCHMARK: E. CONC. BASE OF T.S./L.P.
LOCATION: S.W. CORNER OF US 45 AT COLORADO AVE.

USER NAME = Eric.L.Thomas

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DESIGN - NW CORNER
COLORADO AVE AND US 45

SCALE: 1"=50'

SHEET 000 OF SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P.

RTE.

330

SECTION

2025-1088-RS

COUNTY

WILL

TOTAL

SHEETS

56

SHEET

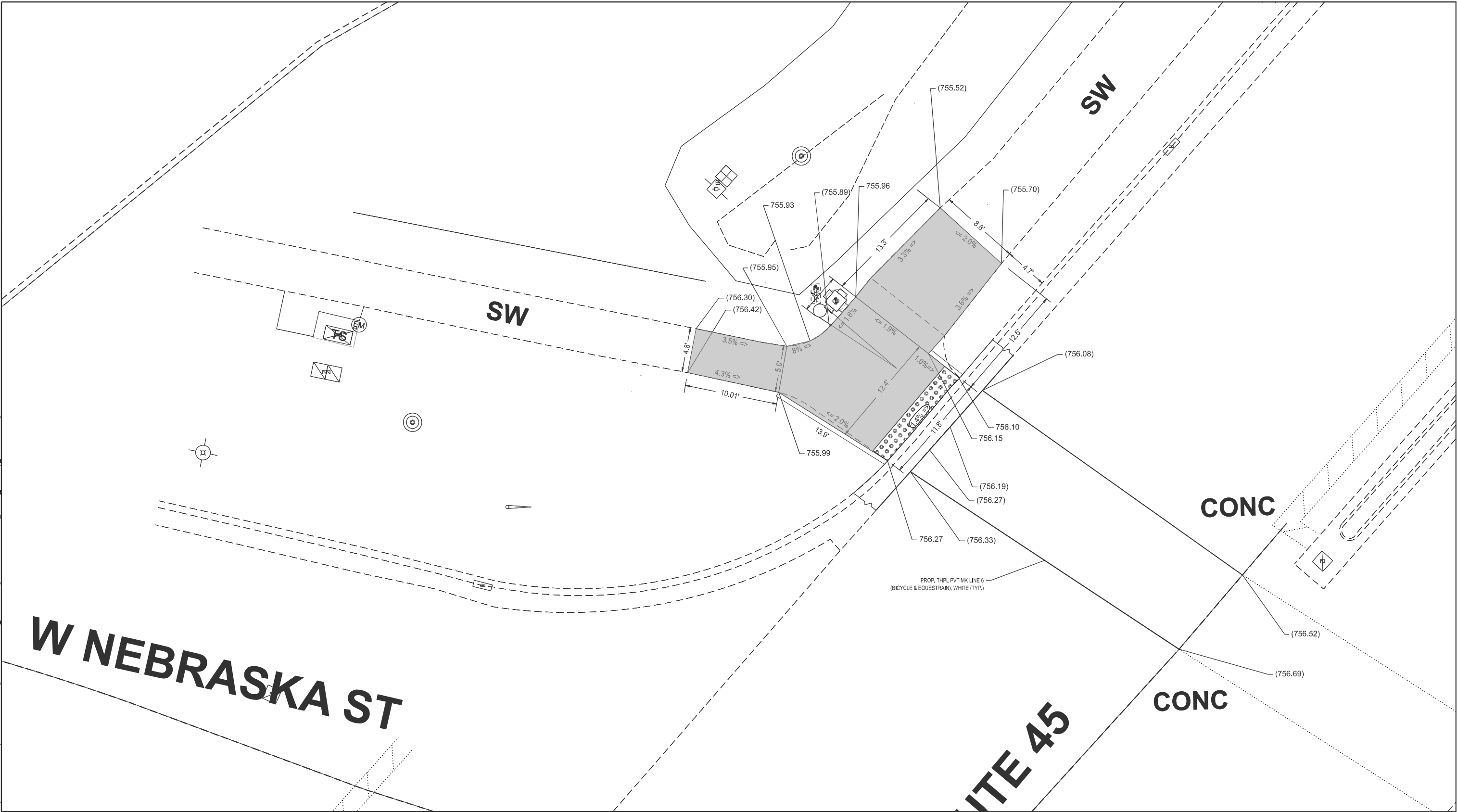
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14

CONTRACT NO. 80B36

ILLINOIS FED. AID PROJECT

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LEGEND

EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK: ELEV. 757.94
BENCHMARK: SE CORNER CONC. BASE OF T.C.B.
LOCATION: SE IN THE NW CORNER OF US 45 AT NEBRASKA ST.

	USER NAME = Eric.L.Thomas	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DESIGN (NW CORNER)
W. NEBRASKA ST. AND US 45

SCALE: 1"=50' SHEET 000 OF SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	15
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

 EXISTING LENGTH
 PROPOSED SIDE CURB
 EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK: ELEV. 719.05
BENCHMARK: SE CORNER TCB PAD
LOCATION: SE CORNER OF US 30 @ US 45

ADA DESIGN - SE CORNER FACING N US 45 AT US 30					
SCALE: 1"=50'	SHEET 000	OF	SHEETS	STA. 0+00.00	TO STA. 0+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	16
		CONTRACT NO. 80B36		
		ILLINOIS	FED. AID PROJECT	

The diagram is a technical site plan for a parking lot. It features a central rectangular parking area with a total width of 30.0 feet and a total length of 30.0 feet. The parking spaces are 6.0 feet wide and 10.0 feet long. The plan includes dimensions for the parking area, surrounding roads, and various utility features like manholes, catch basins, and storm drains. Elevation points are marked throughout the site. A north arrow is located in the upper right corner.

Dimensions and Layout:

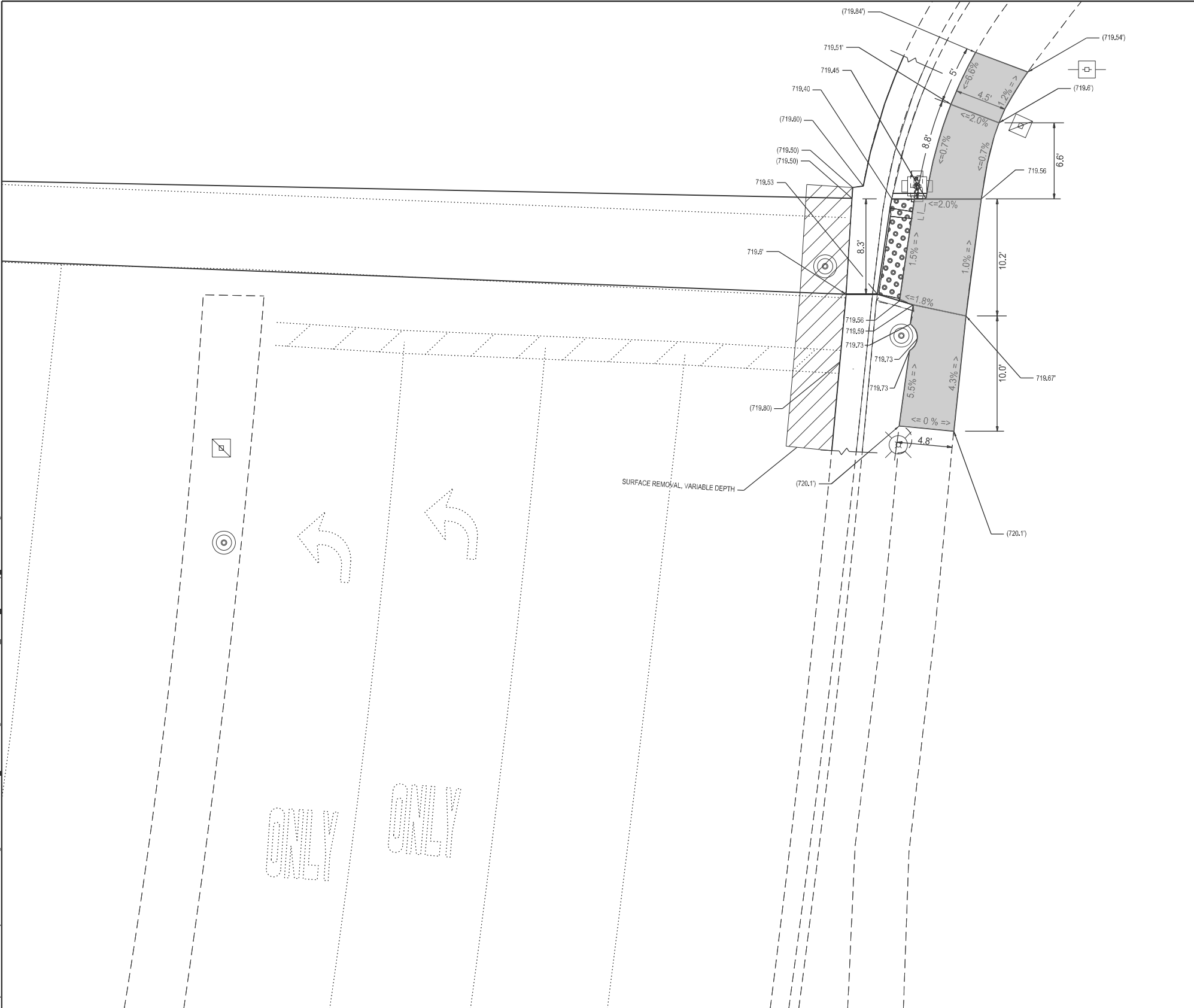
- Parking Area:** 30.0' wide by 30.0' long.
- Parking Spaces:** 6.0' wide by 10.0' long.
- Surrounding Roads:** The parking area is bordered by roads on the top, bottom, and right sides.
- Utility Features:**
 - Manholes:** Indicated by circles with a crosshair.
 - Catch Basins:** Indicated by circles with a crosshair and a small square.
 - Storm Drains:** Indicated by lines with arrows.
- Elevation Points:** Marked throughout the site, including (720.9'), (720.8'), (720.7'), (720.6'), (719.97), (719.94), (720.19'), (719.87), (719.86'), (719.84'), (720.09'), (719.72), (719.74'), (719.8'), (719.8'), (719.7'), (719.72'), (719.6'), (719.6').
- North Arrow:** Located in the upper right corner.

 EXISTING LENGTH
 PROPOSED SIDE CURB
 EXISTING ELEVATION/SLOPE

REFERENCE BENCHMARK: ELEV. 719.05
BENCHMARK: SE CORNER TCB PAD
LOCATION: SE CORNER OF US 30 @ US 45

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA DESIGN - NE CORNER FACING S US 45 AT US 30					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						330	2025-1088-RS	WILL	56	17
						CONTRACT NO. 80B36				
	SCALE: 1"=50'	SHEET 000	OF	SHEETS	STA. 0+00.00	TO STA. 0+00.00	ILLINOIS FED. AID PROJECT			

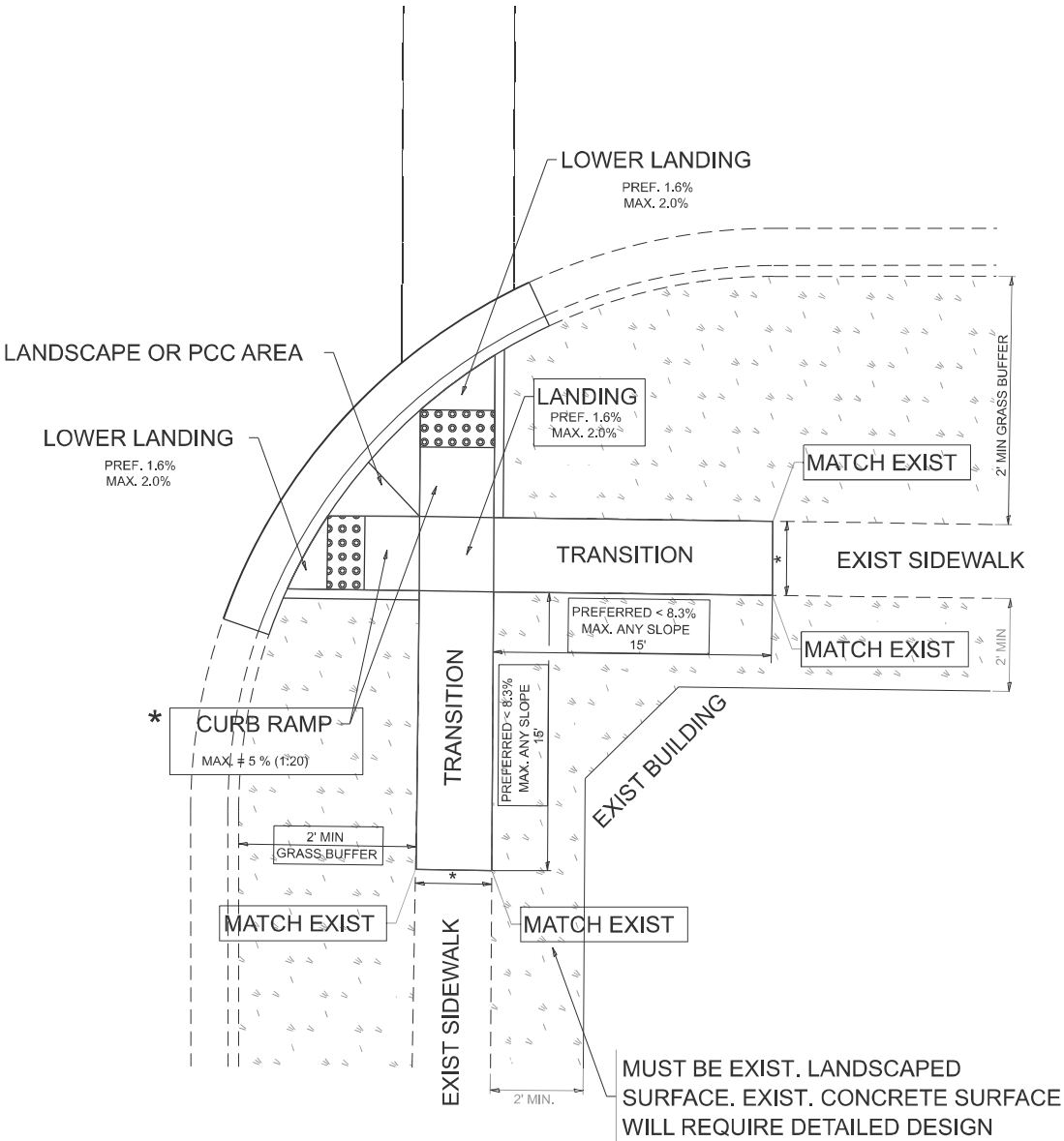
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				LEGEND EXISTING LENGTH PROPOSED SIDE CURB () EXISTING ELEVATION/SLOPE PROPOSED SIDEWALK DETECTABLE WARNINGS SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD		REFERENCE BENCHMARK: ELEV. 719.05 BENCHMARK: SE CORNER TCB PAD LOCATION: SE CORNER OF US 30 @ US 45										
	USER NAME = Eric.L.Thomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ADA DESIGN- SE CORNER FACING W US 45 AT US 30				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					330	2025-1088-RS	WILL	56	18				
		CHECKED -	REVISED -									CONTRACT NO. 80B36				
	PLOT DATE = 8/20/2024	DATE -	REVISED -					SCALE: 1"=50'		SHEET 000	OF	SHEETS	STA. 0+00.00	TO STA. 0+00.00	ILLINOIS FED. AID PROJECT	

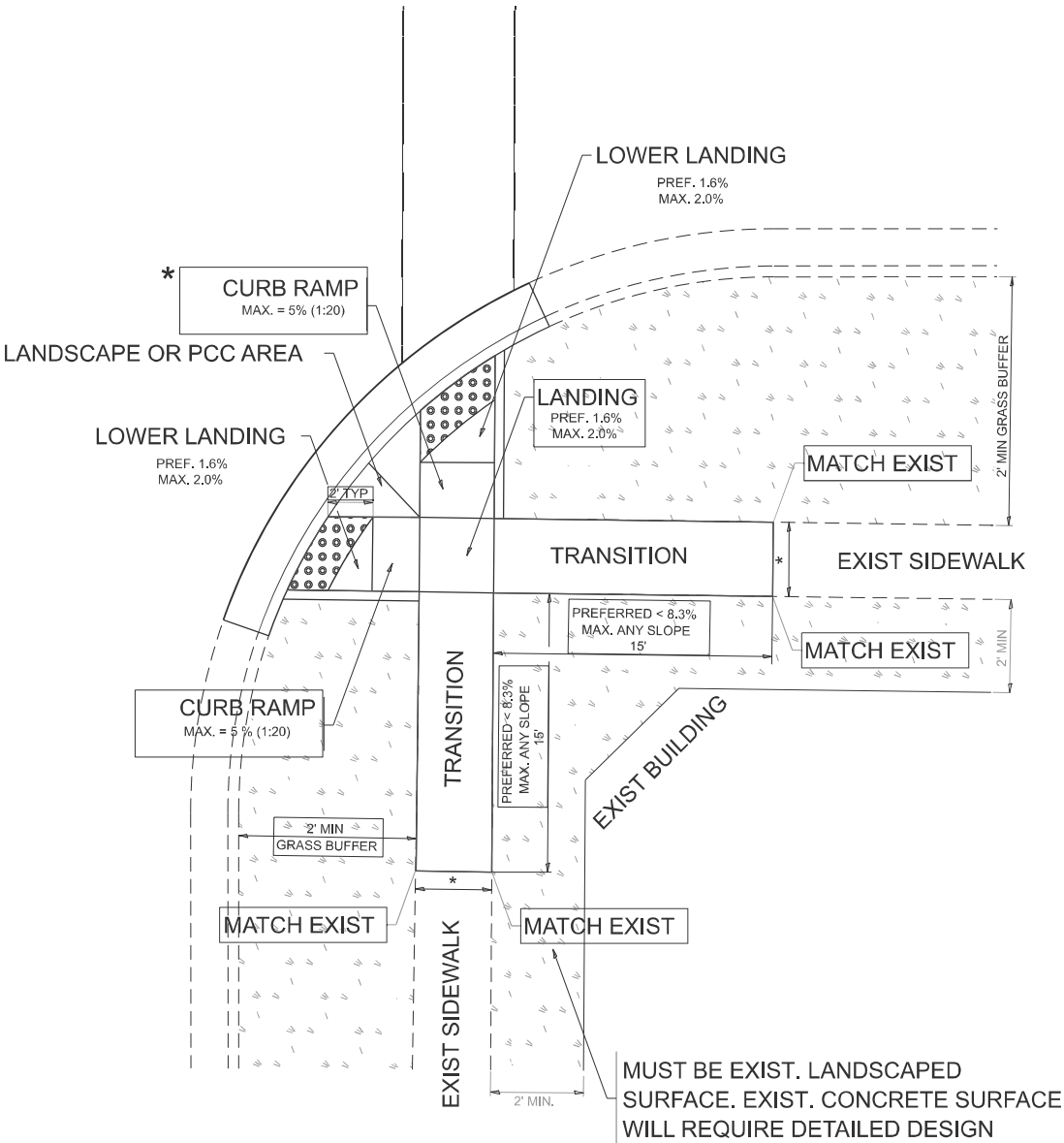
ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PROJECT SPECIFIC DETAIL



* NOTES 1:
CURB RAMP SLOPE WAS REVISED FOR APS (ACCESSIBLE PEDESTRIAN SIGNALS)

PROJECT SPECIFIC DETAIL



* NOTES 1:
CURB RAMP SLOPE WAS REVISED FOR APS (ACCESSIBLE PEDESTRIAN SIGNALS)

LEGEND

- EXIST. GRASS
- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

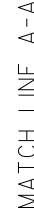
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
PROJECT SPECIFIC DETAIL

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	19
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

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



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

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

5. ALL PUSH BUTTONS SHALL BE APS.

6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.

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

8. SIDEWALK AND SIDEWALK RAMPS ARE TO BE IMPROVED AT NW, NE, AND SE CORNERS OF THE INTERSECTION, SEE ROADWAY PLANS.

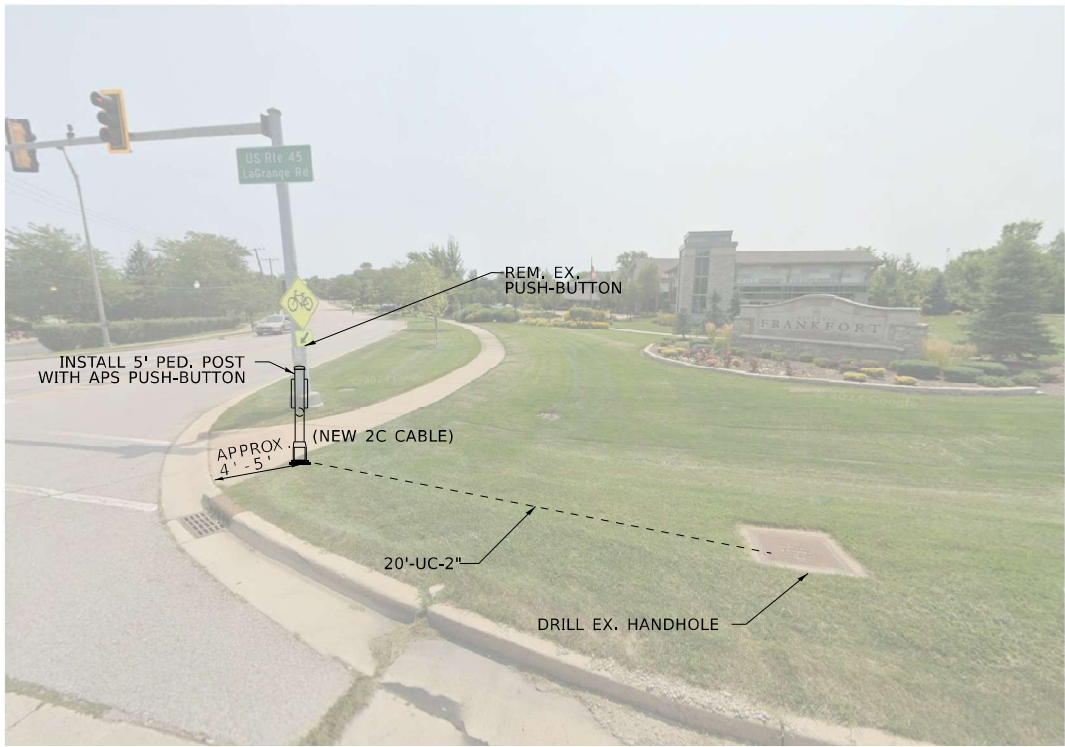
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'	SHEET 1	OF 3	SHEETS	STA.	TO STA.
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TS 7413

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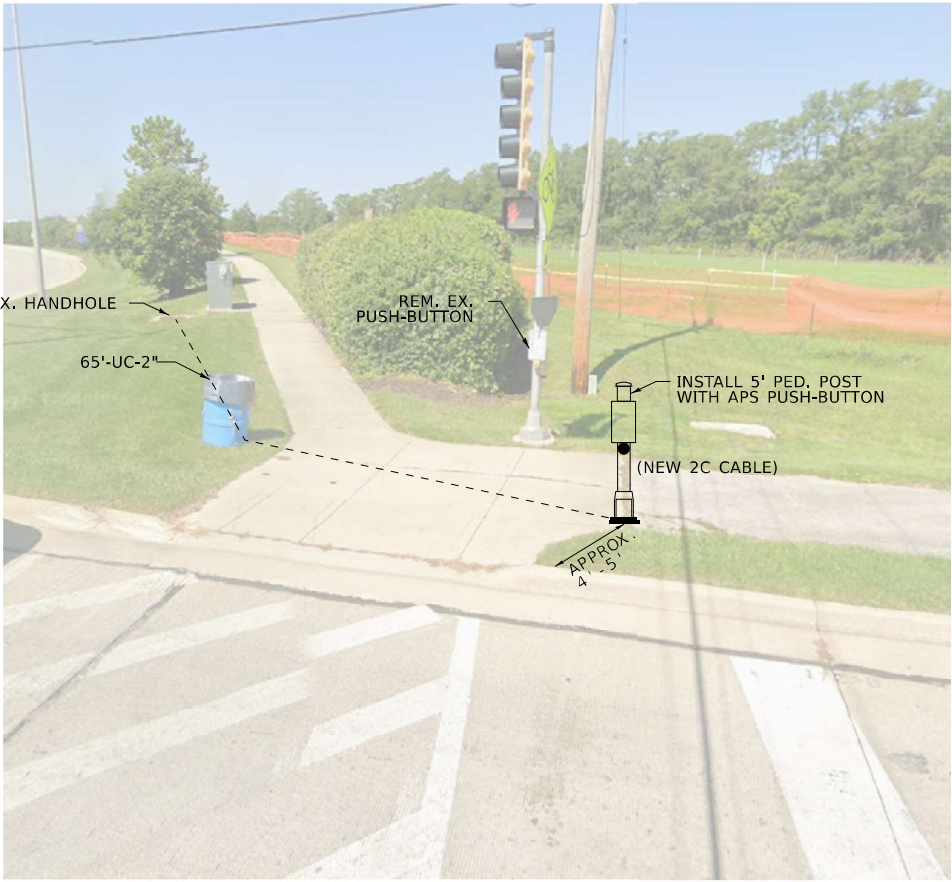
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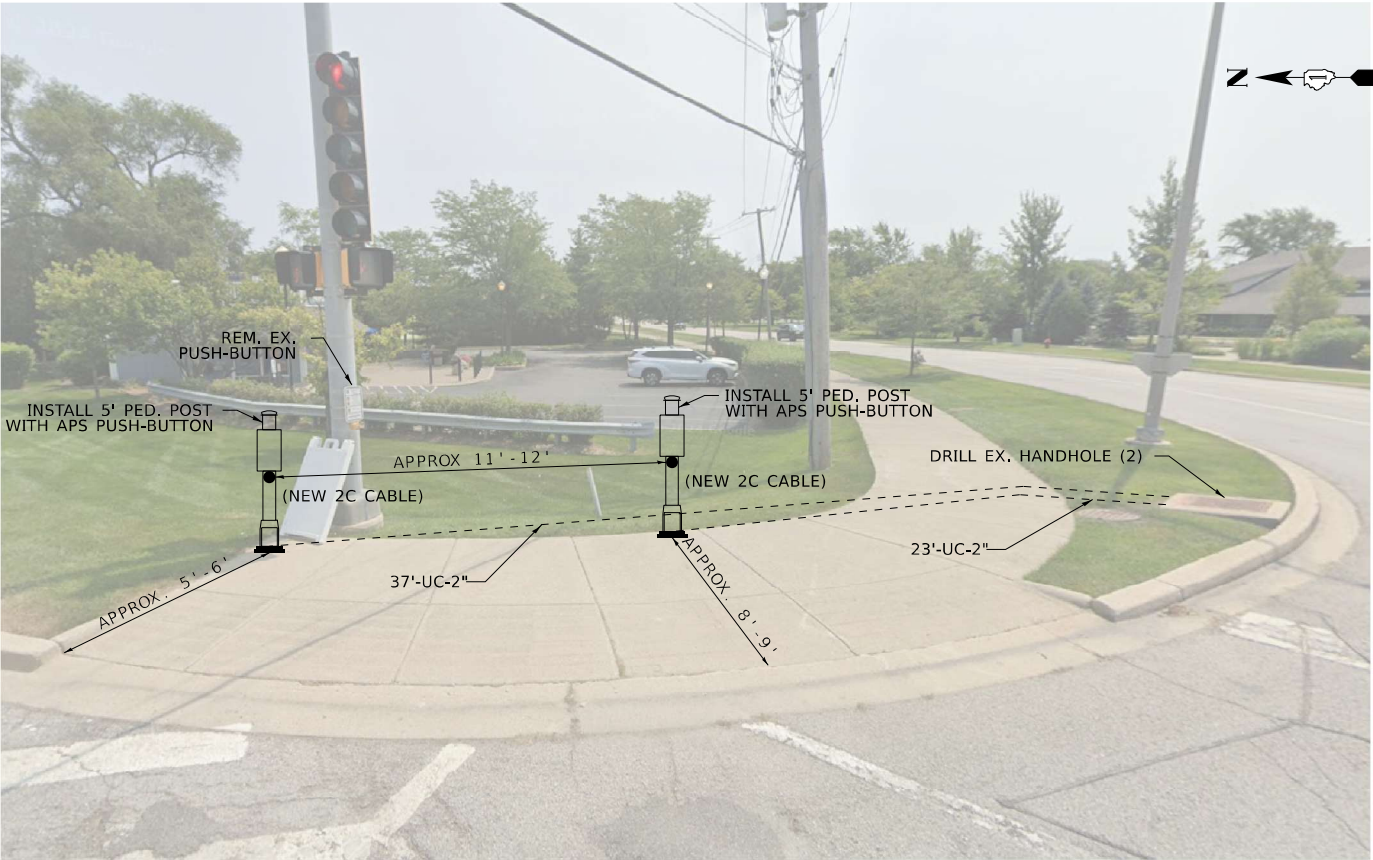
SOUTHEAST CORNER

USER NAME = JHiedeman	DESIGNED - JMH	REVISED -
	DRAWN - JMH	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 10/17/2025	DATE - 10/17/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NORTHWEST CORNER



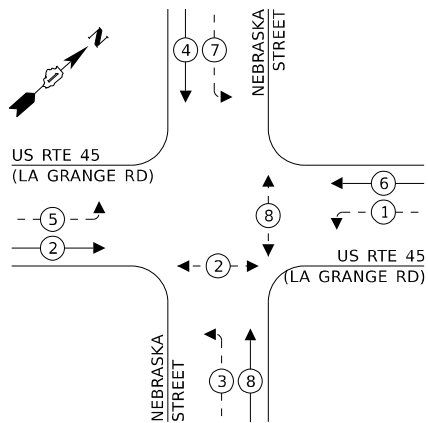
NORTHEAST CORNER

TRAFFIC SIGNAL MODERNIZATION PLAN US RTE 45 (LA GRANGE RD) AT NEBRASKA ST			
SCALE: N.T.S	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	21
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

TS 7413

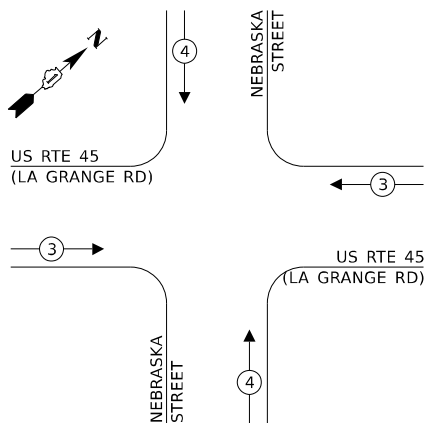
EXISTING AND PROPOSED
CONTROLLER SEQUENCE



LEGEND:

- ← (⊛) — PROTECTED PHASE
- ← (⊛) - - PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT	WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66	
4-SECTION	-	14	-	
5-SECTION	8	13	104	
PROGRAMMABLE 3-SECTION	-	22	-	
4-SECTION	-	32	-	
5-SECTION	-	28	-	
PEDESTRIAN SIGNAL	4	15	60	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	-	20	-	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING			405	
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING			1,010	

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	145
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	867
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	165
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	311
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	605
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:

VILLAGE OF FRANKFORT
432 W NEBRASKA ST
FRANKFORT, IL 60423

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 35054-01111
METER NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
US RTE 45 (LA GRANGE RD) AT NEBRASKA ST

SCALE: N.T.S SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	22
CONTRACT NO. 80B36				

ILLINOIS FED. AID PROJECT

TS 7413

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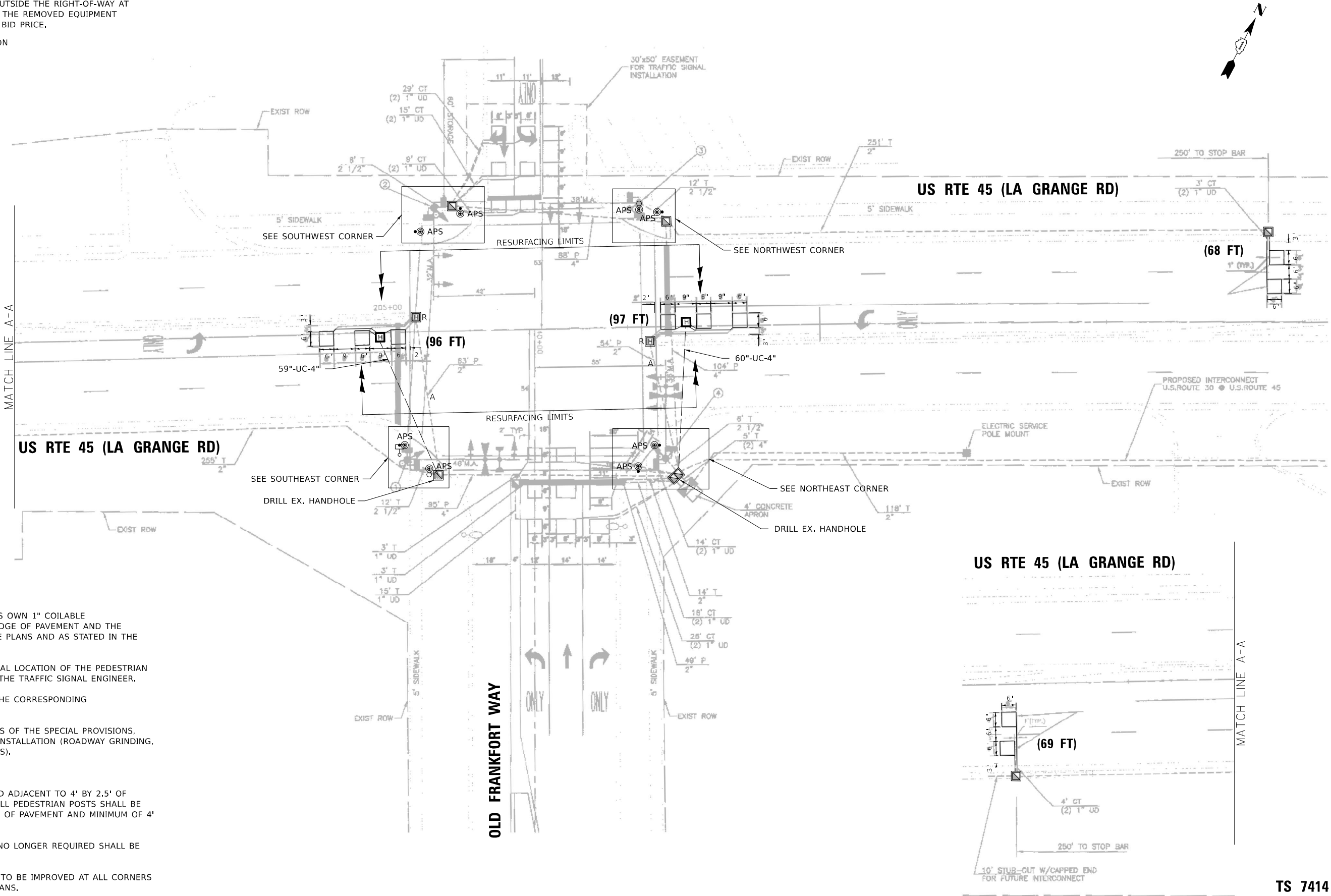
REMOVAL NOTES:

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

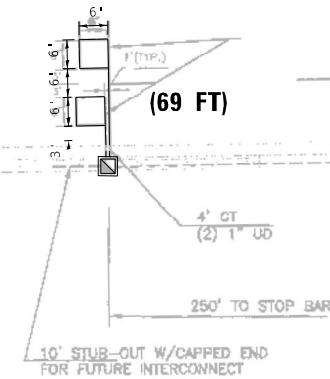
5 EACH PEDESTRIAN PUSH-BUTTON

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. SIDEWALK AND SIDEWALK RAMPS ARE TO BE IMPROVED AT ALL CORNERS OF THE INTERSECTION. SEE ROADWAY PLANS.



US RTE 45 (LA GRANGE RD)



MODEL: Default
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		DRAWN -	JMH	REVISED -	
		CHECKED -	KJS	REVISED -	
PLOT DATE	= 10/17/2025	DATE	= 10/17/2025	REVISED -	

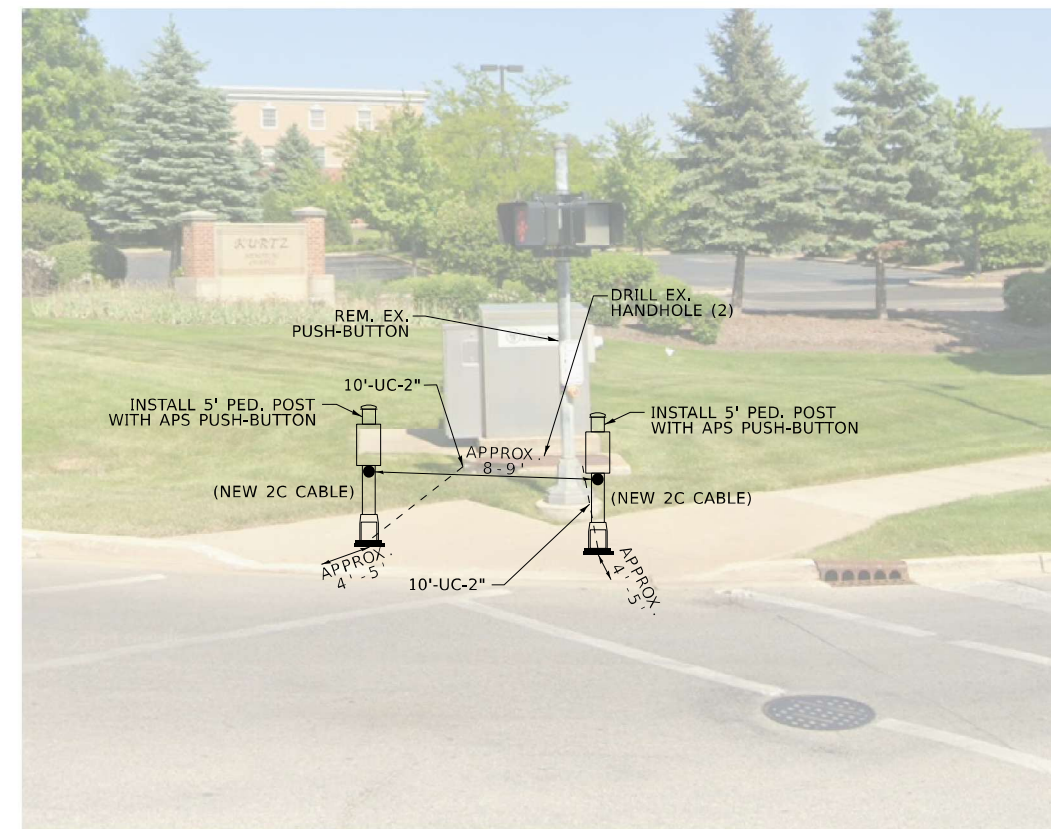
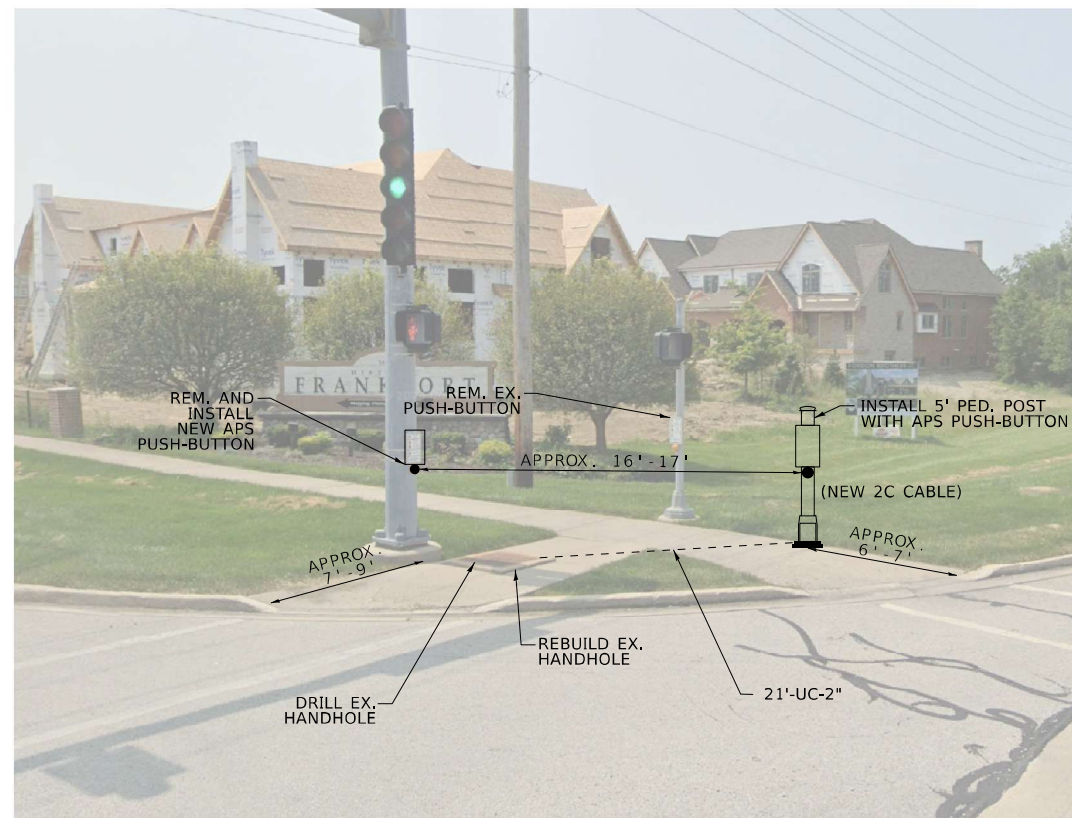
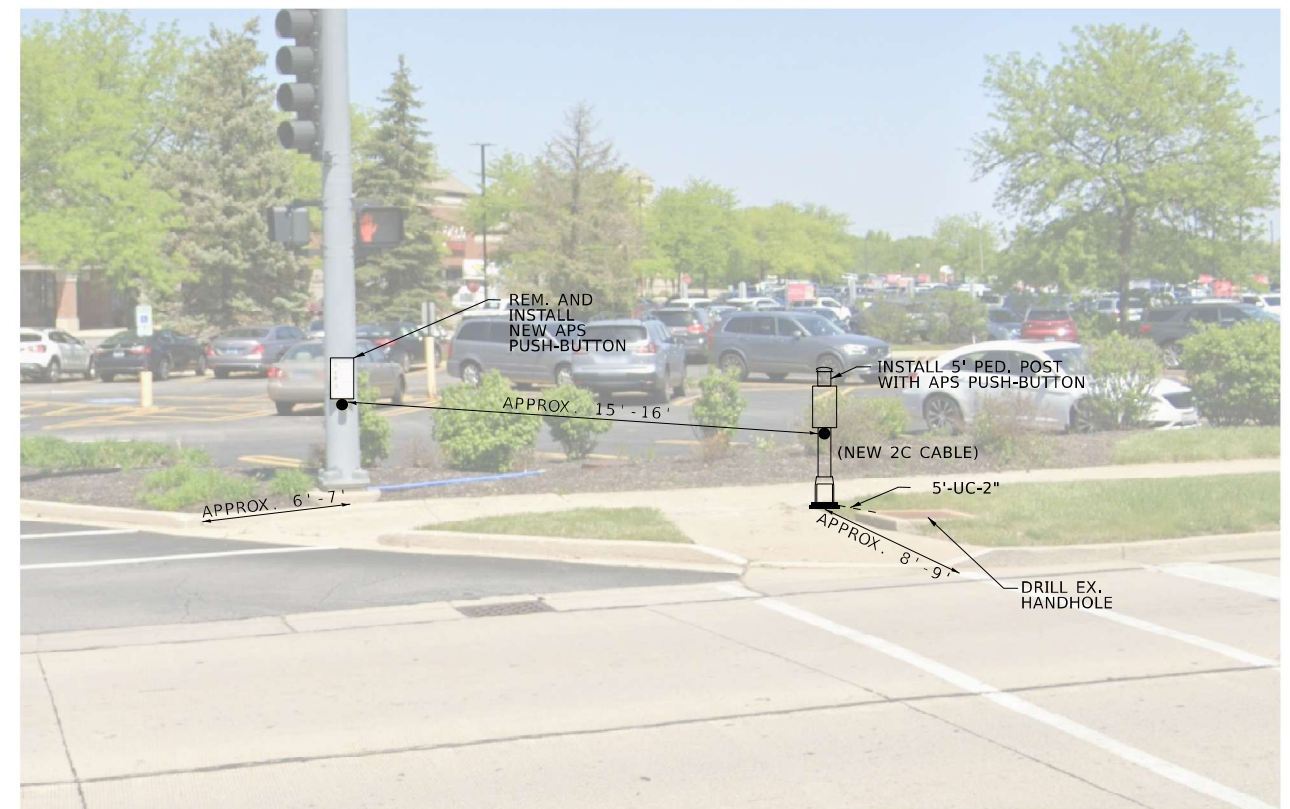
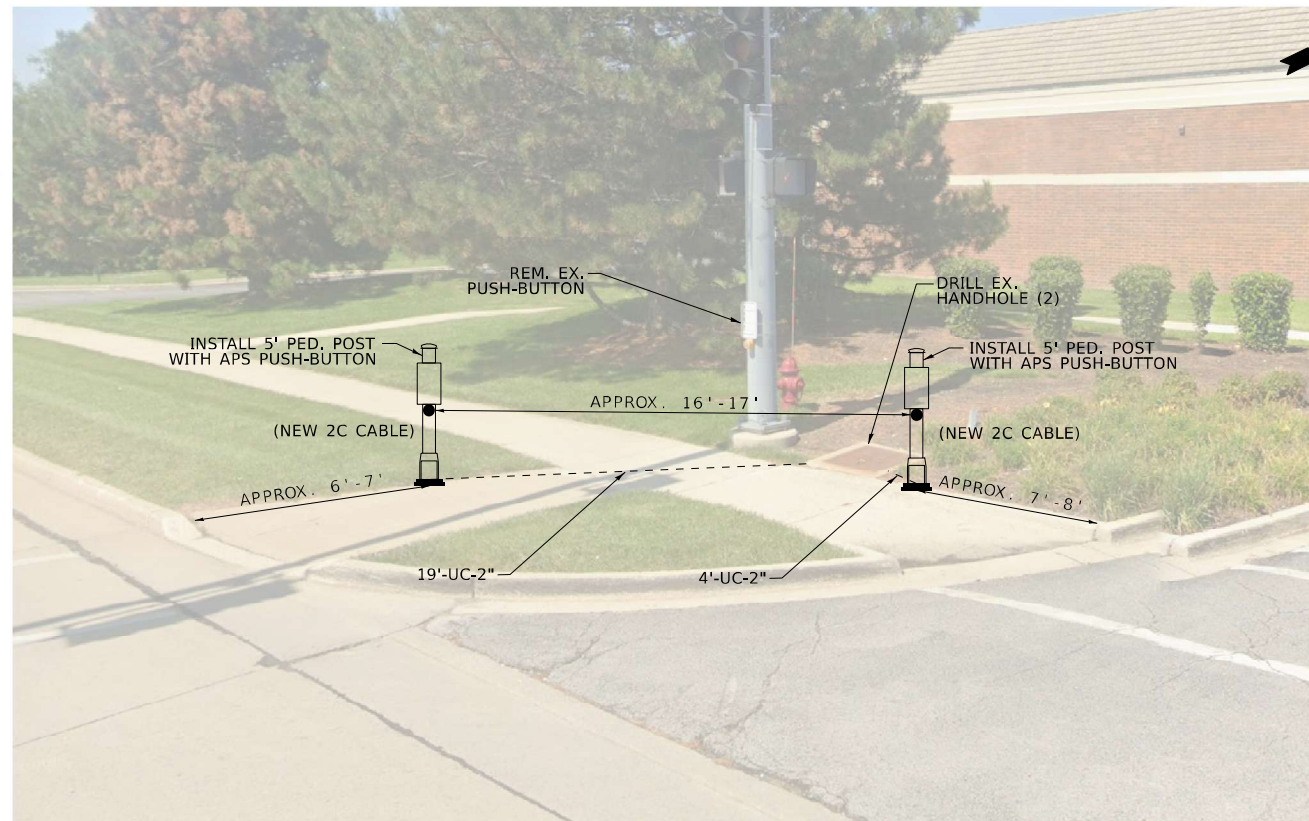
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT OLD FRANKFORT WAY

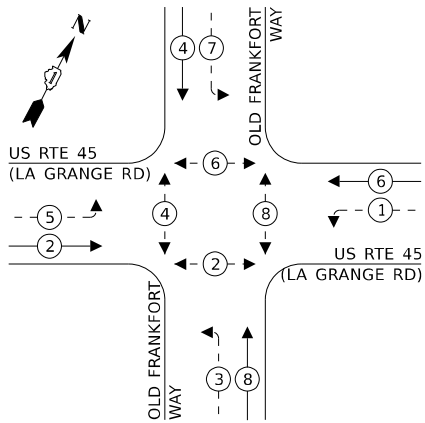
SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	23
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

TS 7414
ECON 144



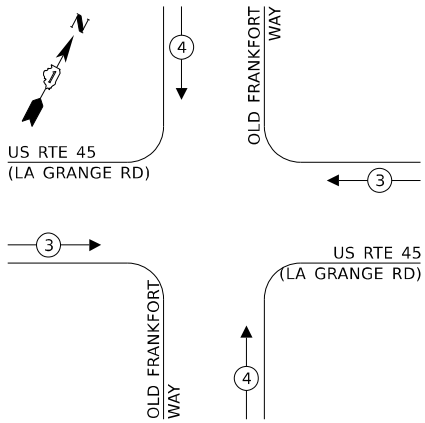
EXISTING AND PROPOSED
CONTROLLER SEQUENCE



LEGEND:

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

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT	WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	3	11	33	
4-SECTION	-	14	-	
5-SECTION	8	13	104	
PROGRAMMABLE 3-SECTION	-	22	-	
4-SECTION	-	32	-	
5-SECTION	-	28	-	
PEDESTRIAN SIGNAL	8	15	120	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	-	20	-	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING				432
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING				1,037

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	69
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	119
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	892
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	279
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	99
DRILL EXISTING HANDHOLE	EACH	8
DETECTOR LOOP, TYPE 1	FOOT	330
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	418
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:

VILLAGE OF FRANKFORT
432 W NEBRASKA ST
FRANKFORT, IL 60423

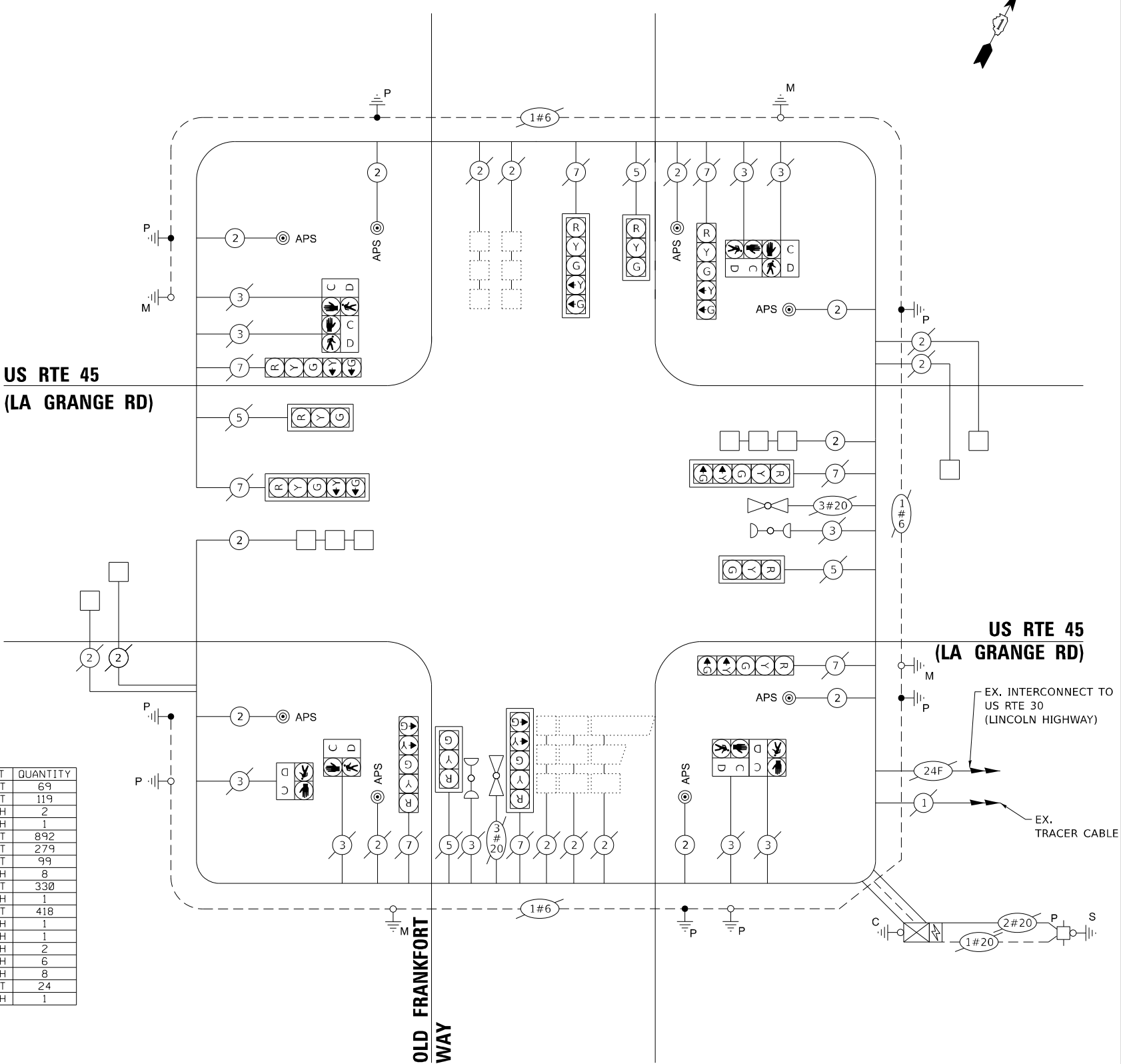
ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 35054-01111
METER NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
US RTE 45 (LA GRANGE RD) AT OLD FRANKFORT WAY

SCALE: N.T.S SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	25
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				



CABLE PLAN
(NOT TO SCALE)

TS 7414
ECON 144

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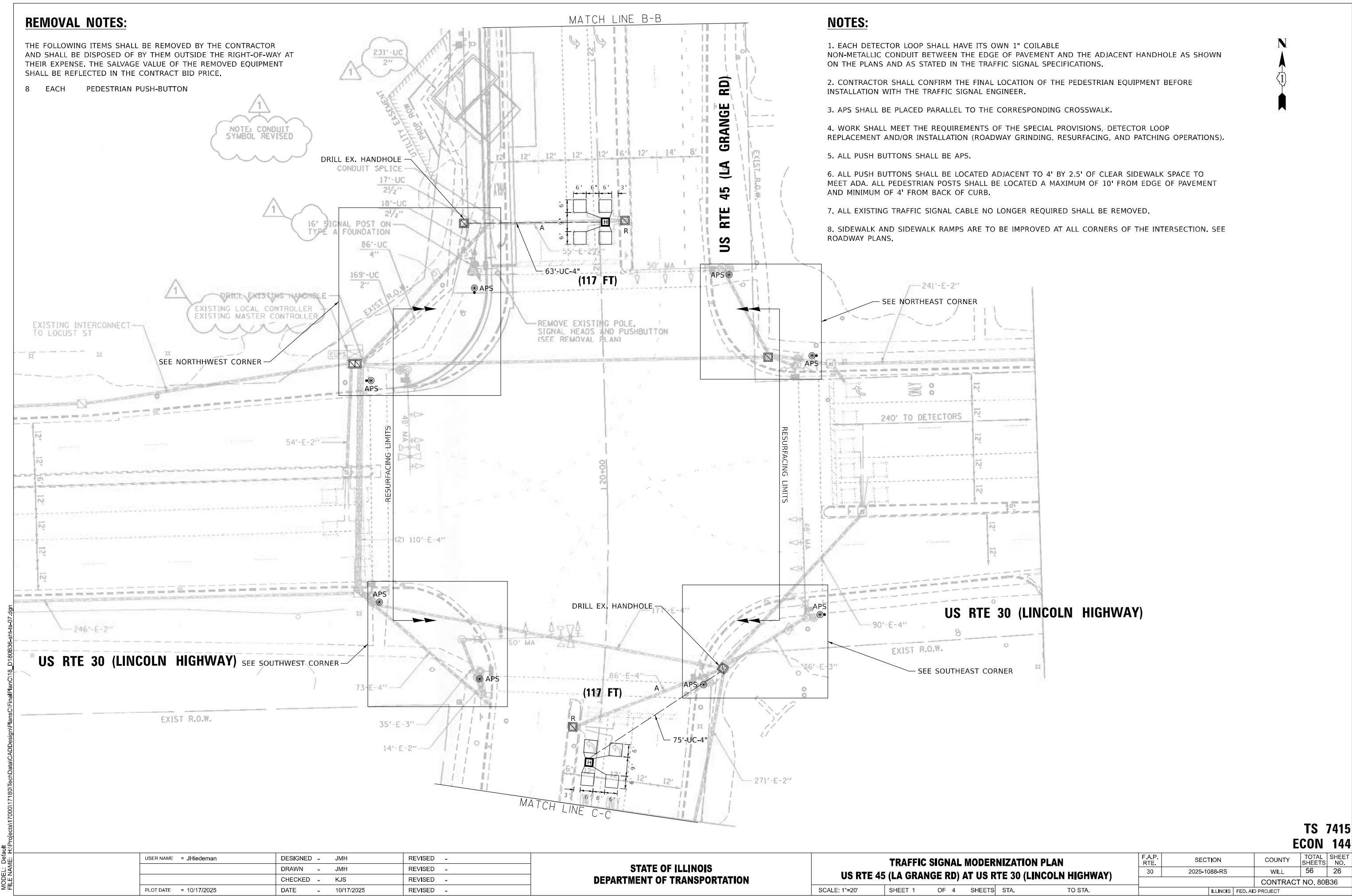
REMOVAL NOTES:

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

8 EACH PEDESTRIAN PUSH-BUTTON

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. SIDEWALK AND SIDEWALK RAMPS ARE TO BE IMPROVED AT ALL CORNERS OF THE INTERSECTION. SEE ROADWAY PLANS.



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		DRAWN -	JMH	REVISED -	
		CHECKED -	KJS	REVISED -	
PLOT DATE	= 10/17/2025	DATE	= 10/17/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT US RTE 30 (LINCOLN HIGHWAY)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	26
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

TS 7415
ECON 144

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		CHECKED -	KJS	REVISED -	
PLOT DATE	= 10/17/2025	DATE	= 10/17/2025	REVISED -	

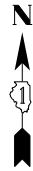
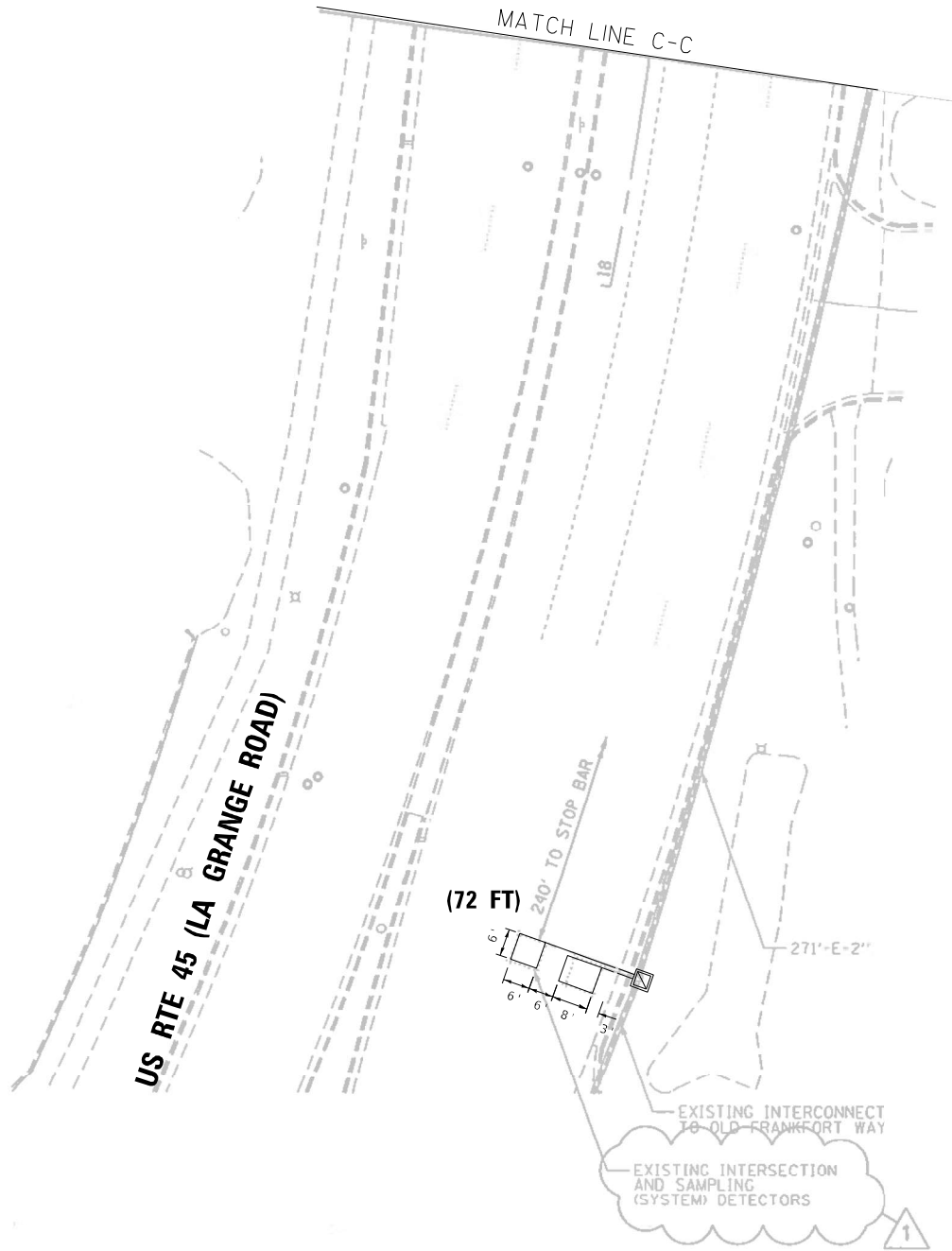
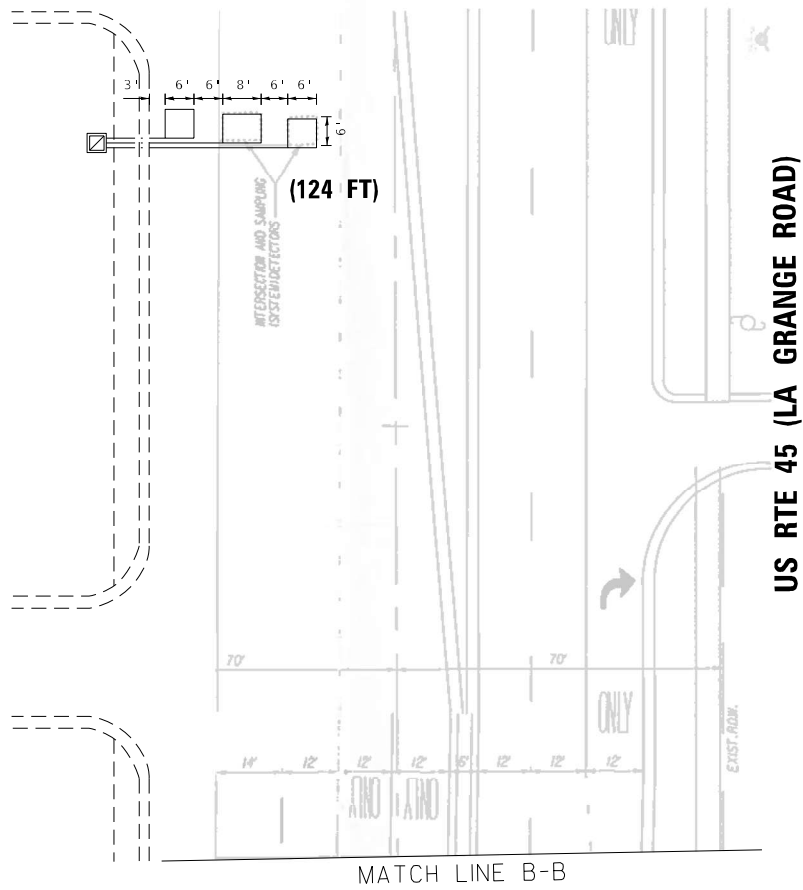
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

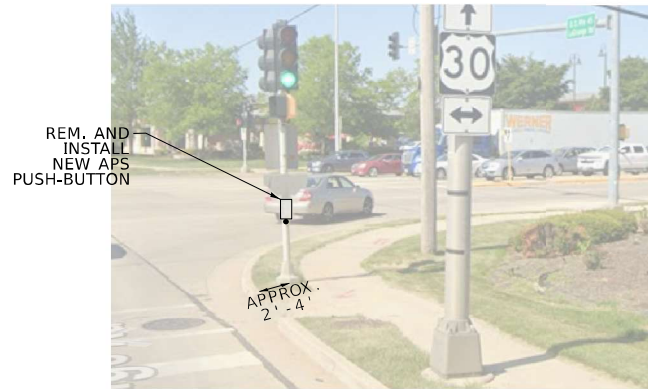
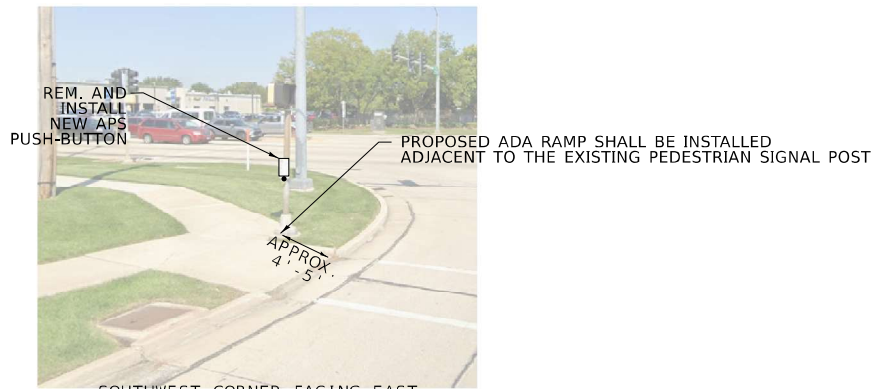
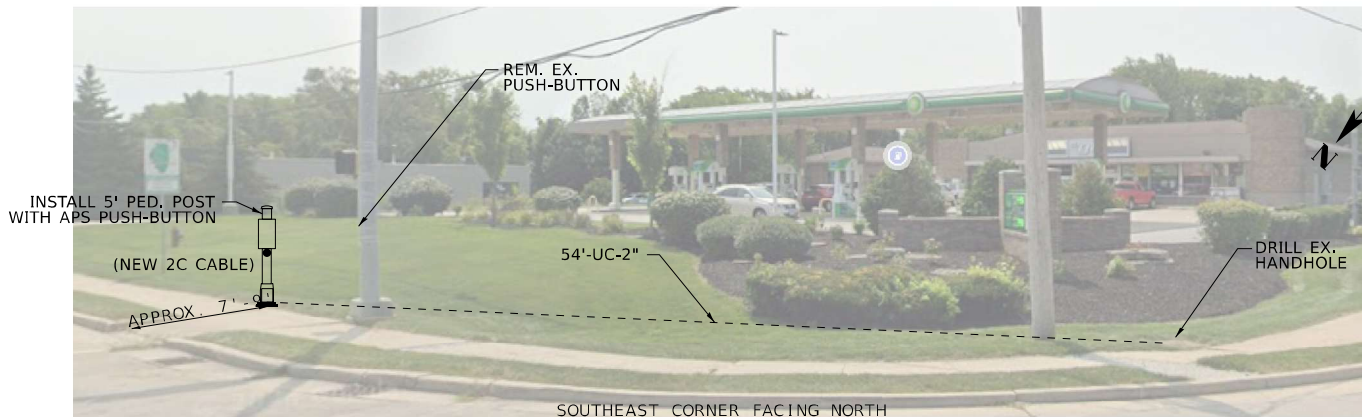
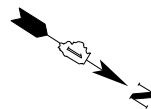
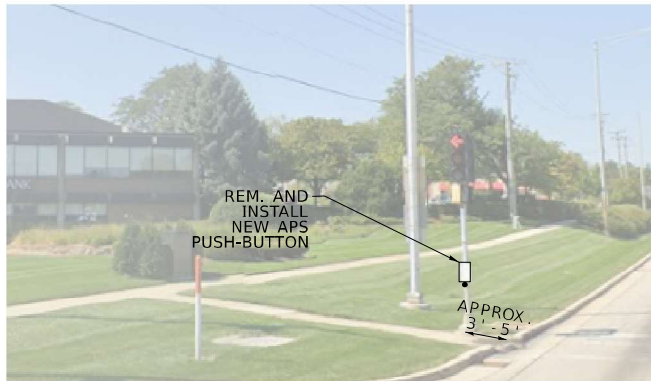
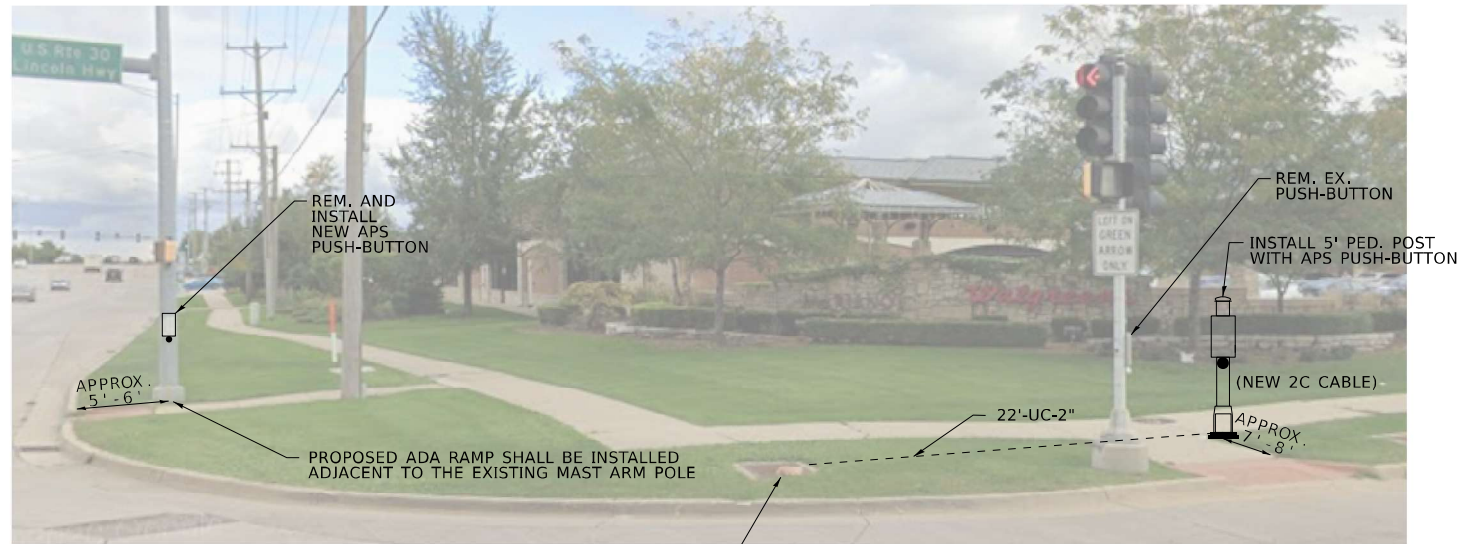
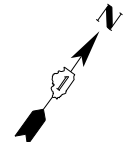
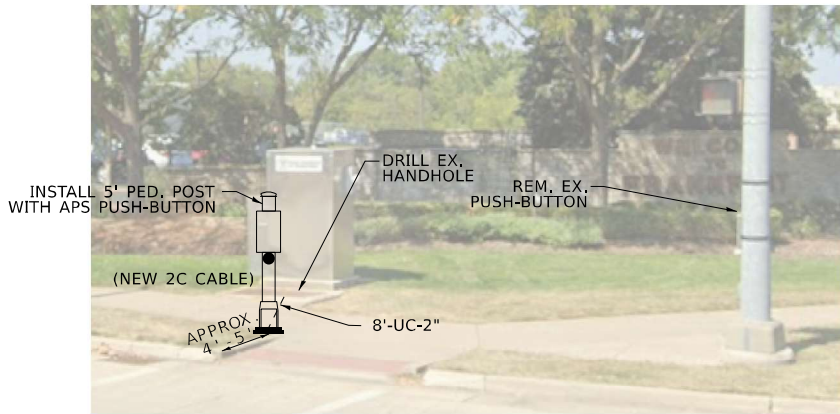
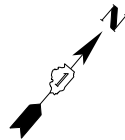
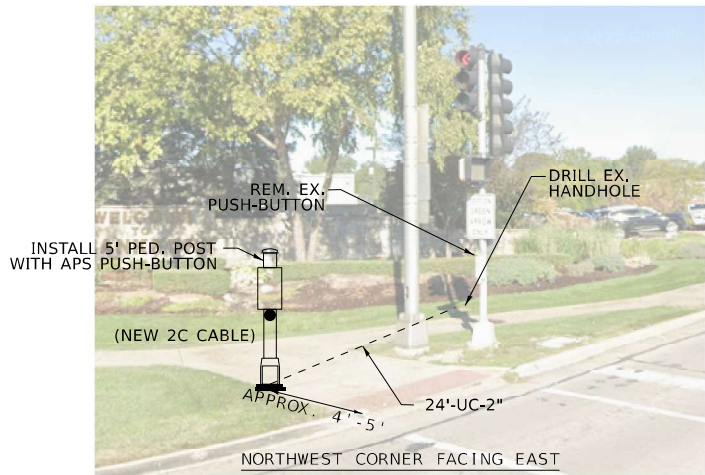
TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT US RTE 30 (LINCOLN HIGHWAY)

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	27
CONTRACT NO. 80B36				
		ILLINOIS	FED. AID PROJECT	

TS 7415
ECON 144





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		DRAWN - JMH	REVISED -
		CHECKED - KJS	REVISED -
	DATE - 10/17/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

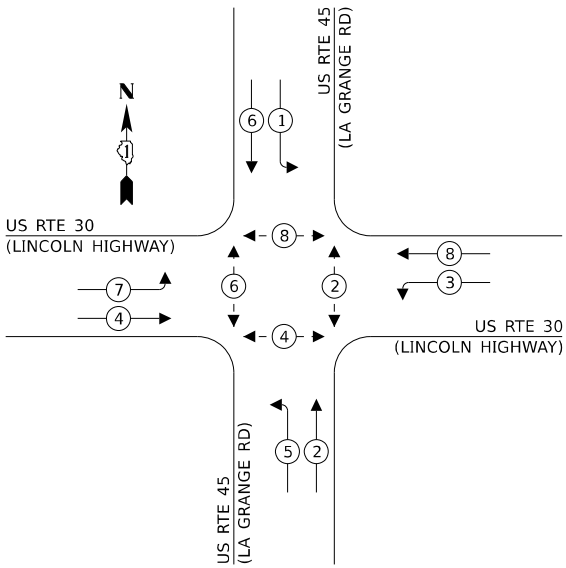
TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT US RTE 30 (LINCOLN HIGHWAY)

SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	28
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

TS 7415
ECON 144

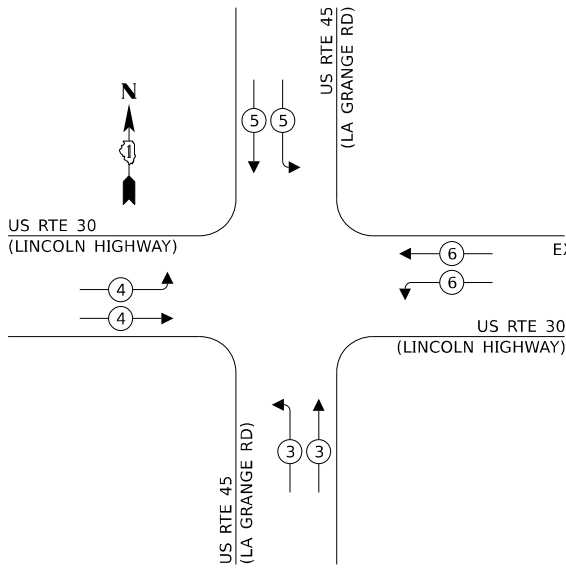
EXISTING AND PROPOSED
CONTROLLER SEQUENCE



LEGEND:

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

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	108
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	138
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	810
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	589
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	128
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE 1	FOOT	430
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	776
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

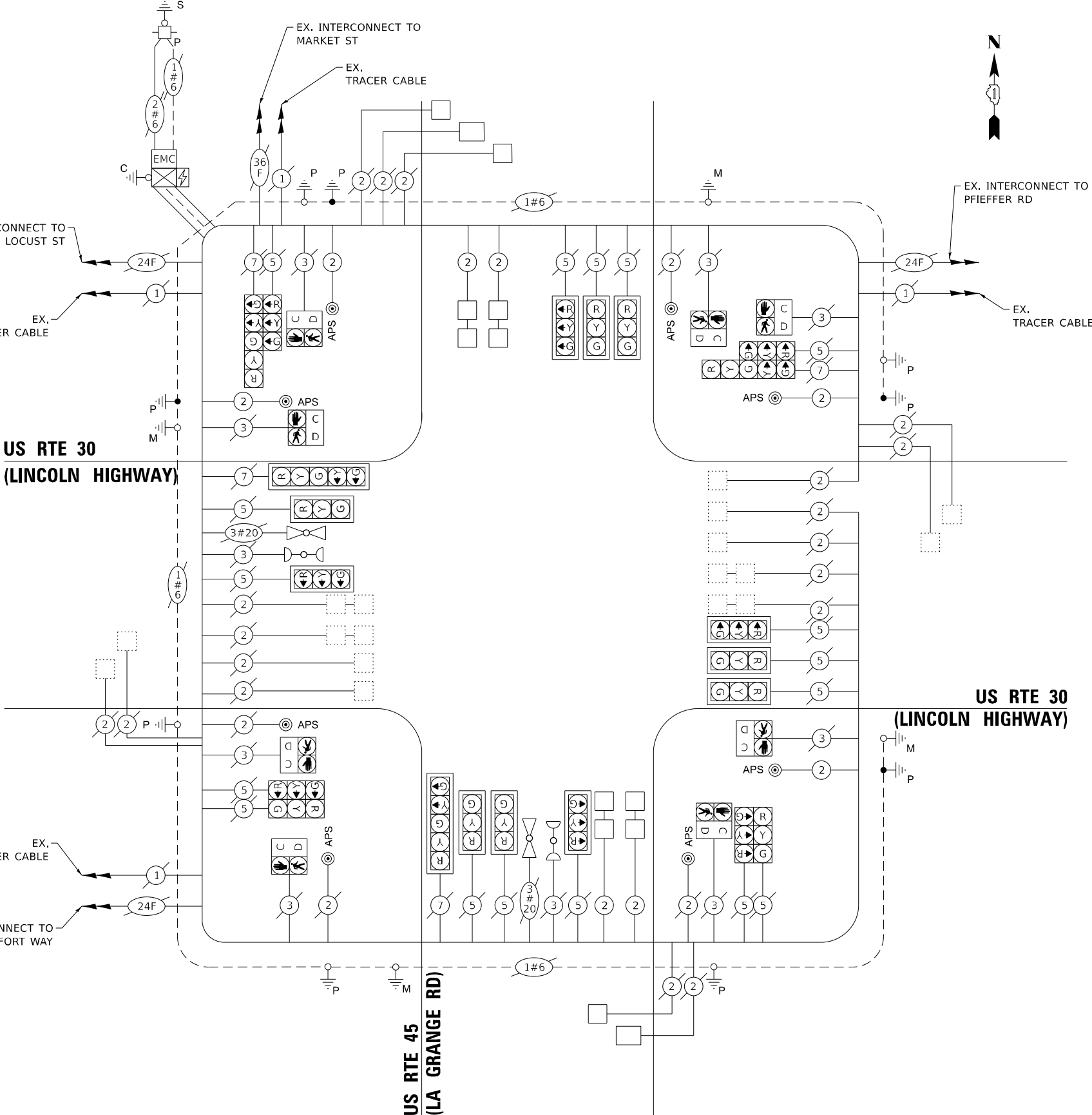
TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			523
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,128

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 28995-03000
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
US RTE 45 (LA GRANGE RD) AT US RTE 30 (LINCOLN HIGHWAY)

SCALE: N.T.S SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	29
CONTRACT NO. 80B36				

ILLINOIS FED. AID PROJECT

TS 7415
ECON 144

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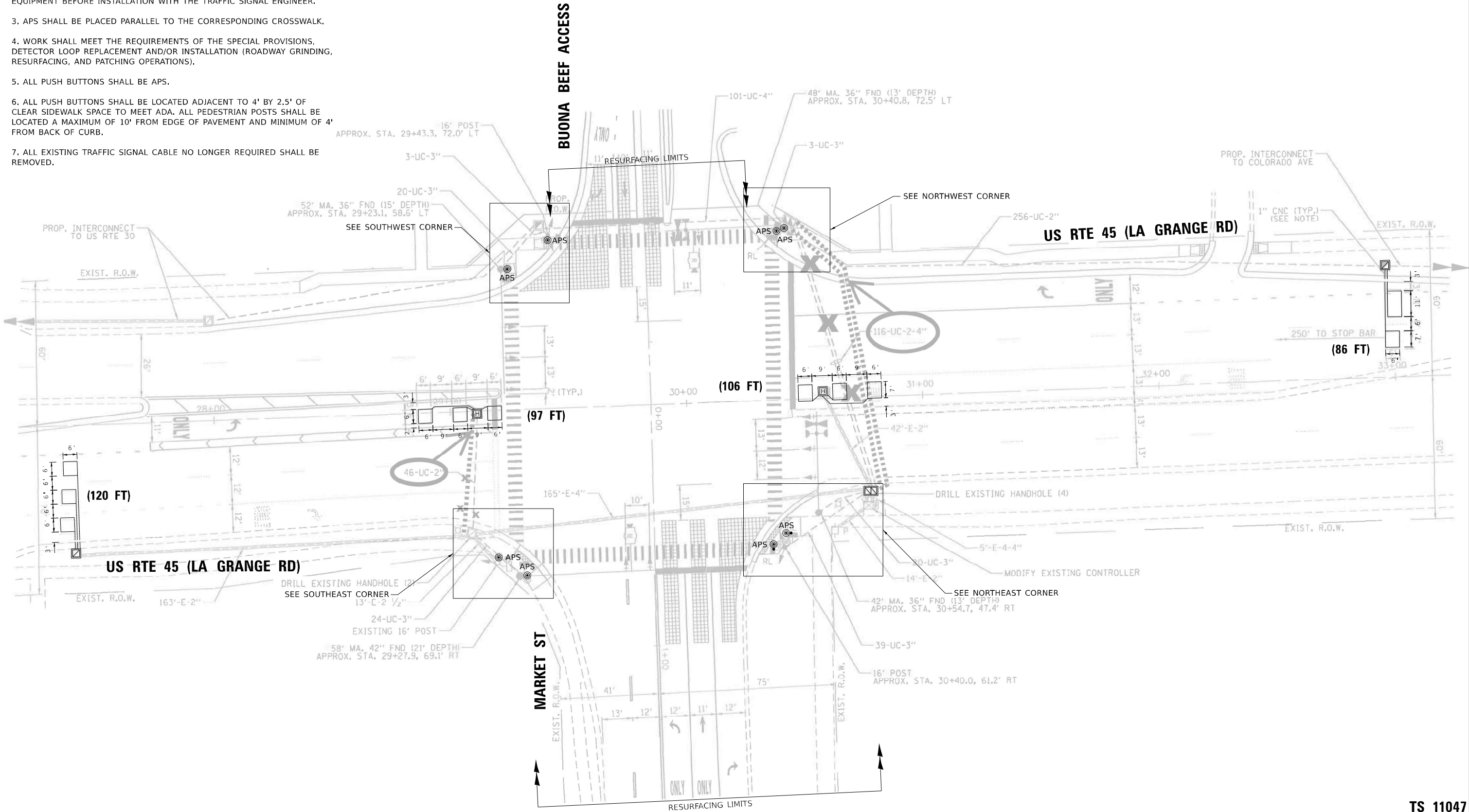
NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

REMOVAL NOTES:

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

8 EACH PEDESTRIAN PUSH-BUTTON



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		DRAWN - JMH	REVISED -
		CHECKED - KJS	REVISED -
	DATE - 10/17/2025		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT MARKET ST

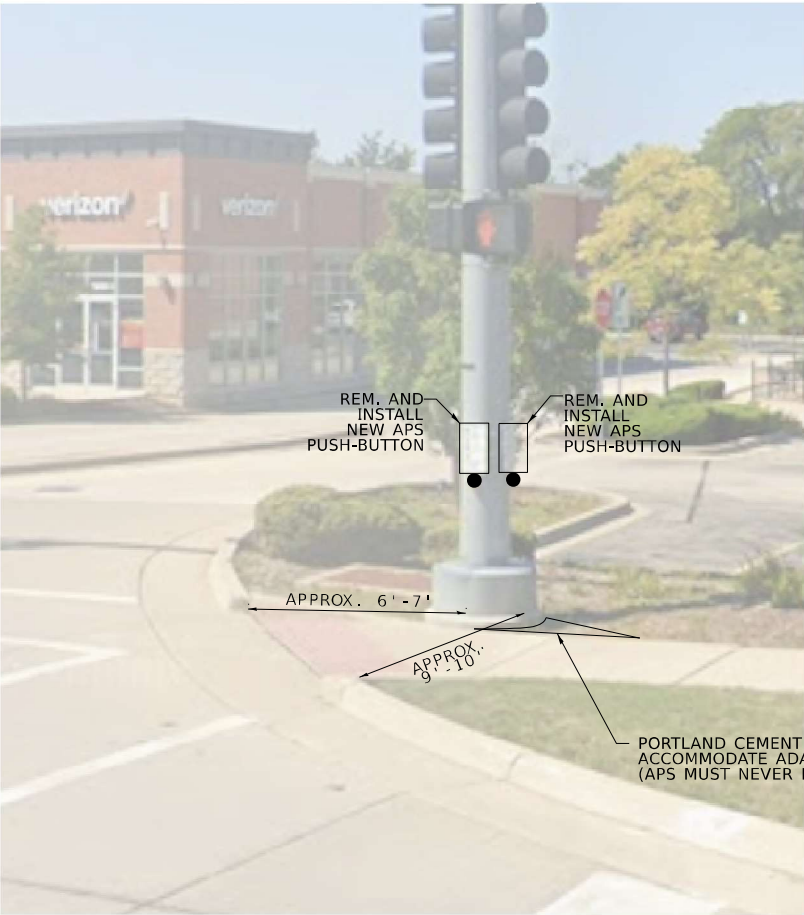
SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	30
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

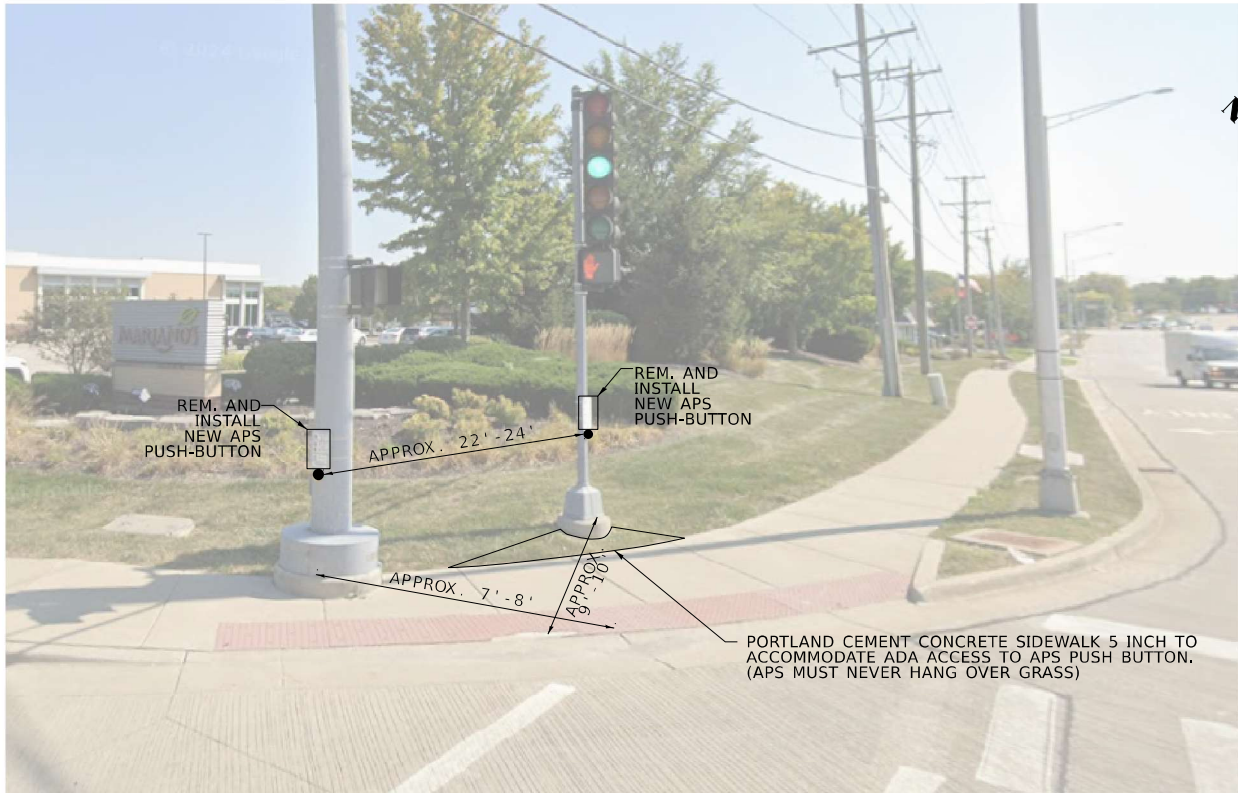
TS 11047
ECON 144



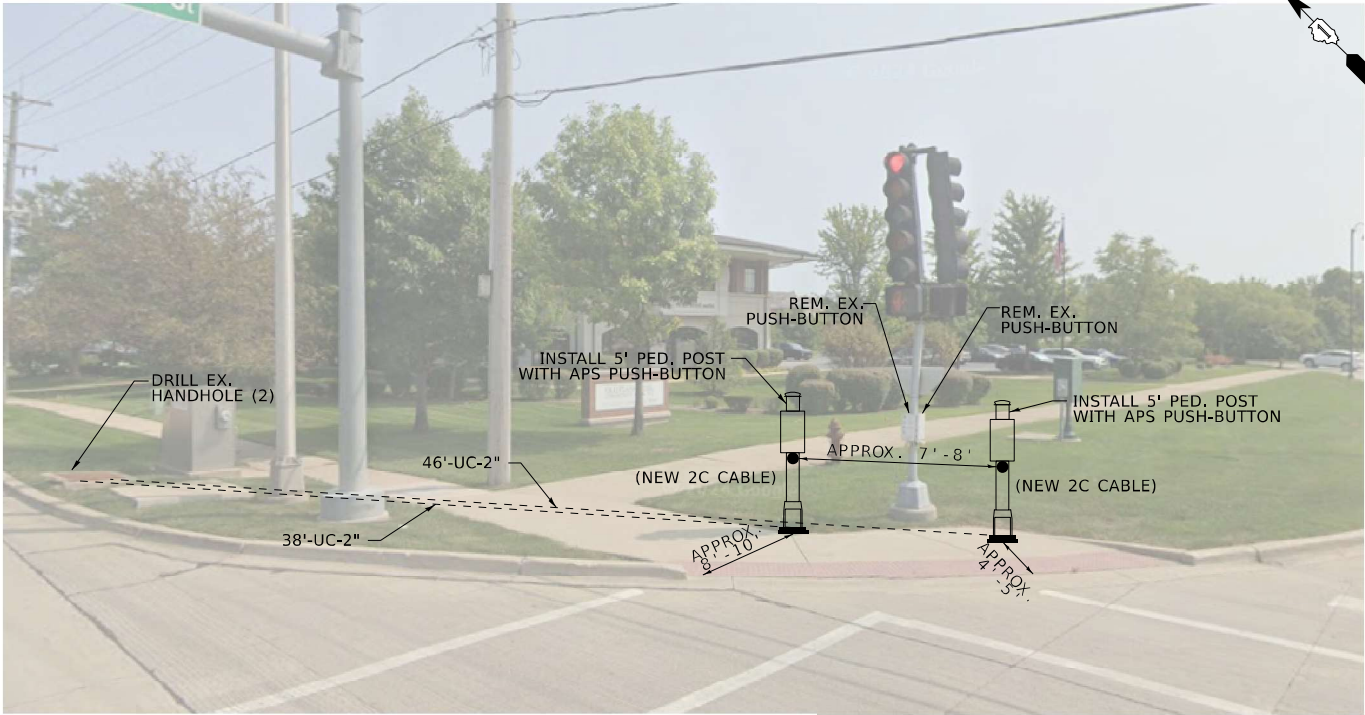
SOUTHWEST CORNER



NORTHWEST CORNER



SOUTHEAST CORNER



NORTHEAST CORNER

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	DRAWN - JMH	REVISED -
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PLOT DATE = 10/17/2025	DATE - 10/17/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

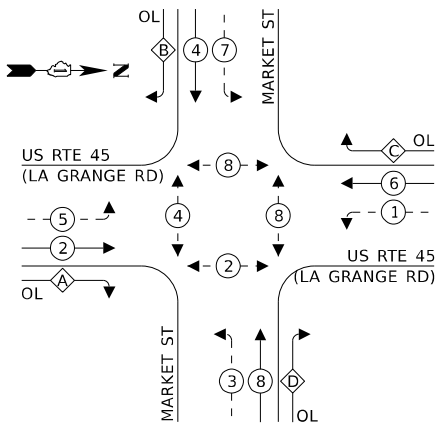
TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT MARKET ST

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	31
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

TS 11047
ECON 144

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



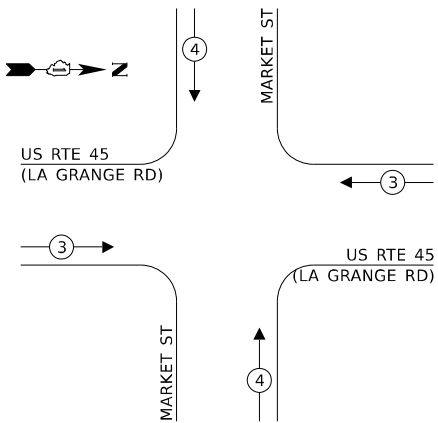
LEGEND:

- ← (⊙) — PROTECTED PHASE
- ← - (⊙) - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP

EXISTING
RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT	WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	2	11	33	
4-SECTION	-	14	-	
5-SECTION	16	13	130	
PROGRAMMABLE 3-SECTION	-	22	-	
4-SECTION	-	32	-	
5-SECTION	-	28	-	
PEDESTRIAN SIGNAL	8	15	60	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	2	20	-	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING				398
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING				1,003

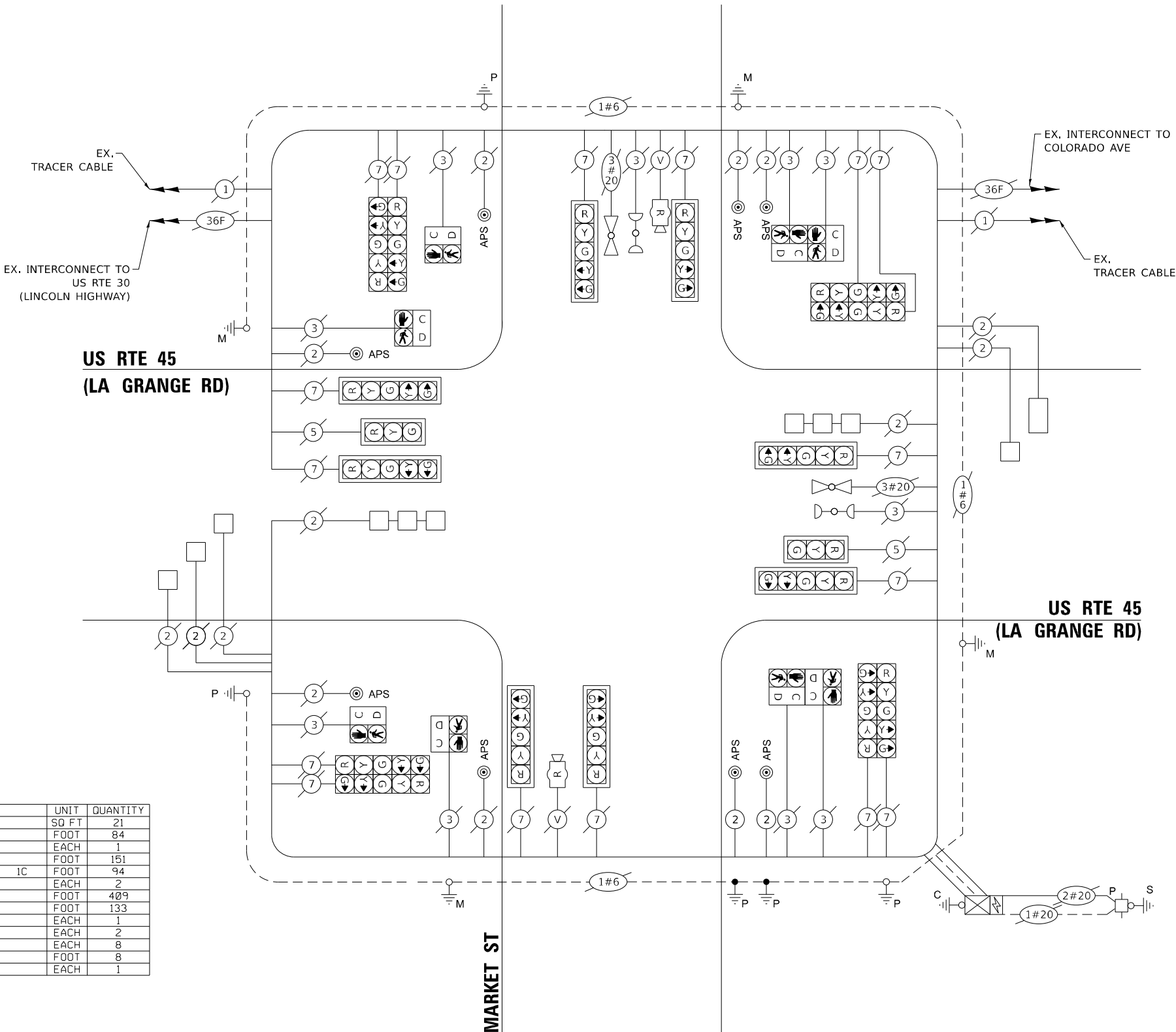
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	21
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	84
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	151
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	94
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	409
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	133
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:

VILLAGE OF FRANKFORT
432 W NEBRASKA ST
FRANKFORT, IL 60423

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 35054-01111
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
US RTE 45 (LA GRANGE RD) AT MARKET ST

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	32
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

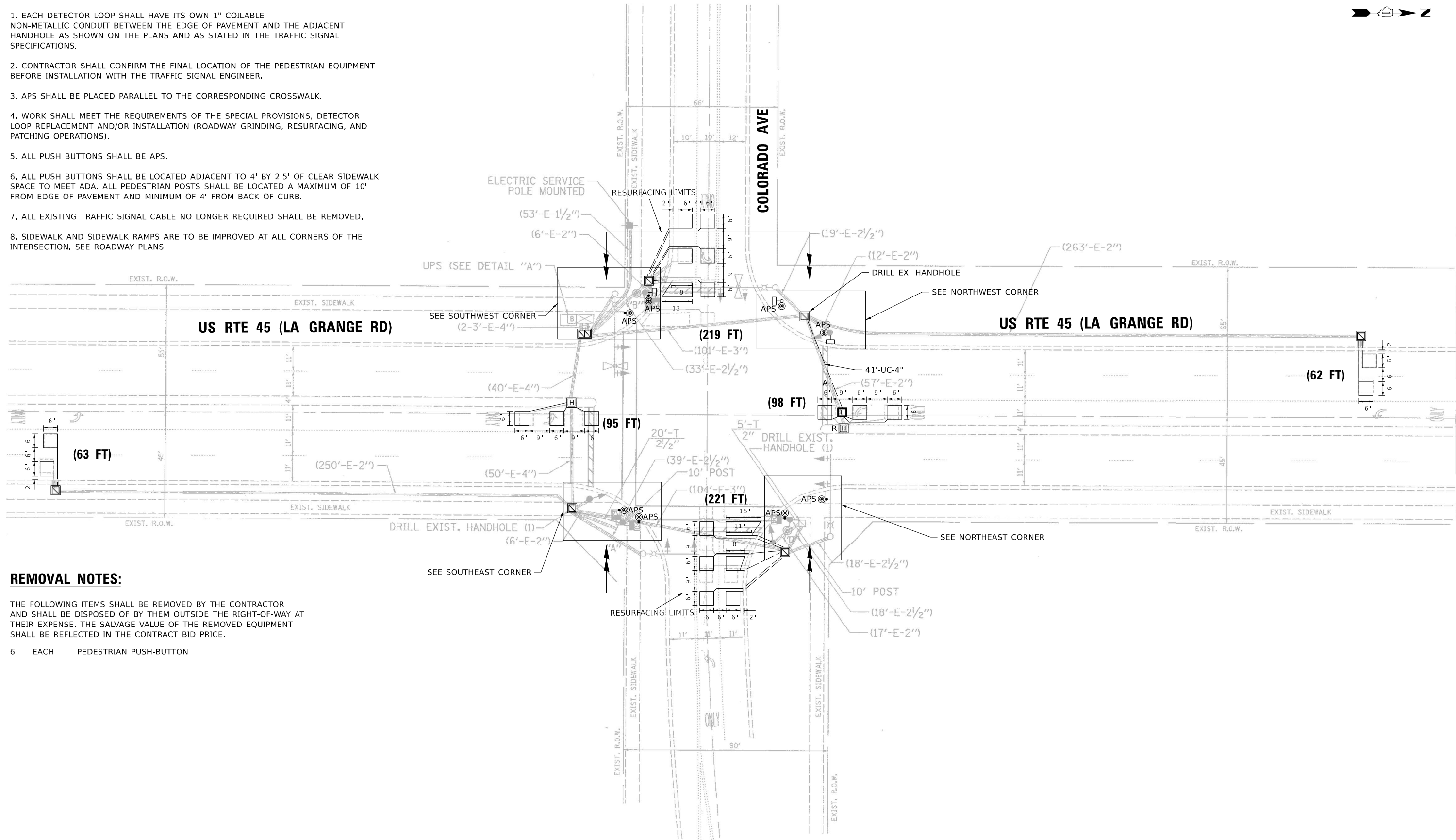
TS 11047
ECON 144

MODEL: Default
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1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. SIDEWALK AND SIDEWALK RAMPS ARE TO BE IMPROVED AT ALL CORNERS OF THE INTERSECTION. SEE ROADWAY PLANS.

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

- 6 EACH PEDESTRIAN PUSH-BUTTON

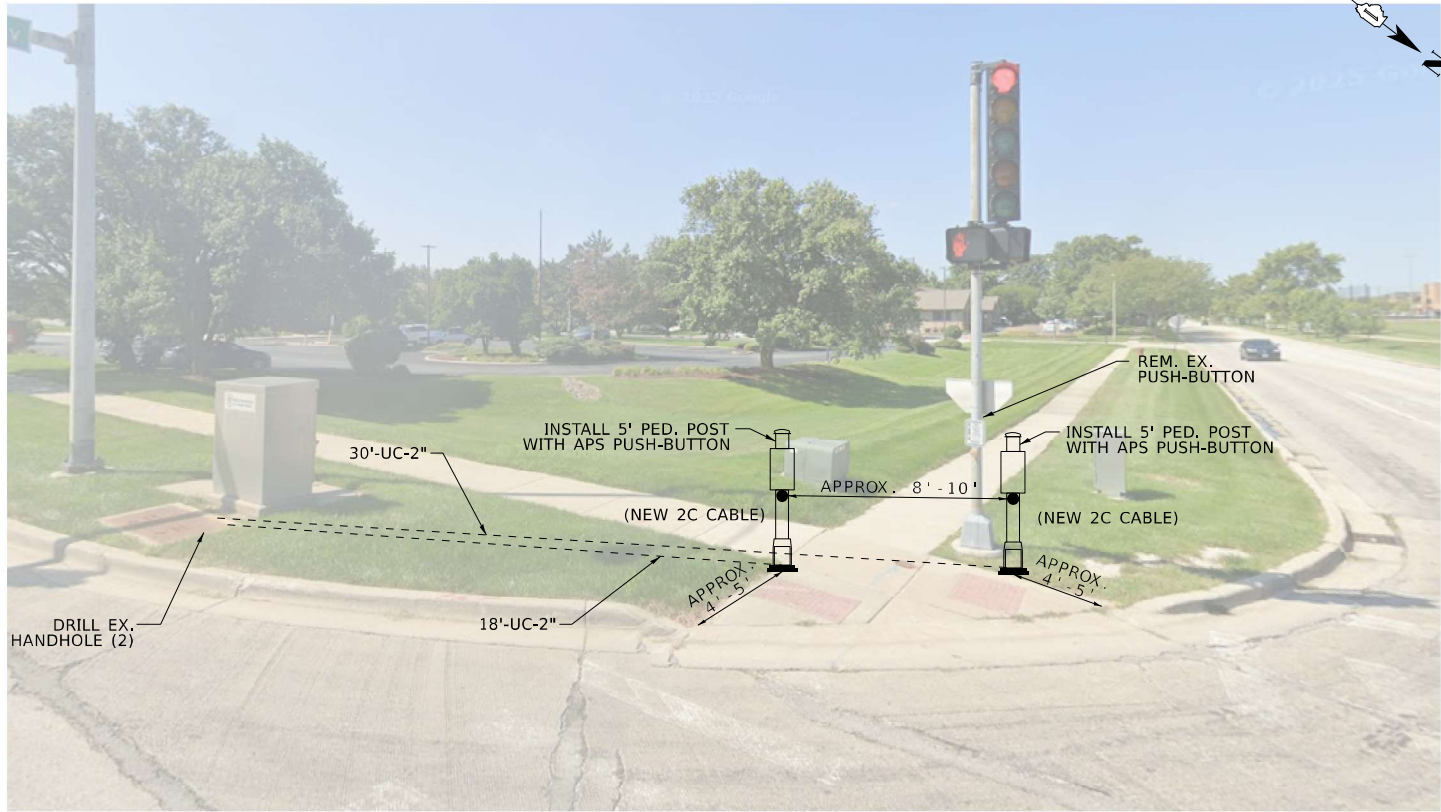


TRAFFIC SIGNAL MODERNIZATION PLAN US RTE 45 (LA GRANGE RD) AT COLORADO AVE

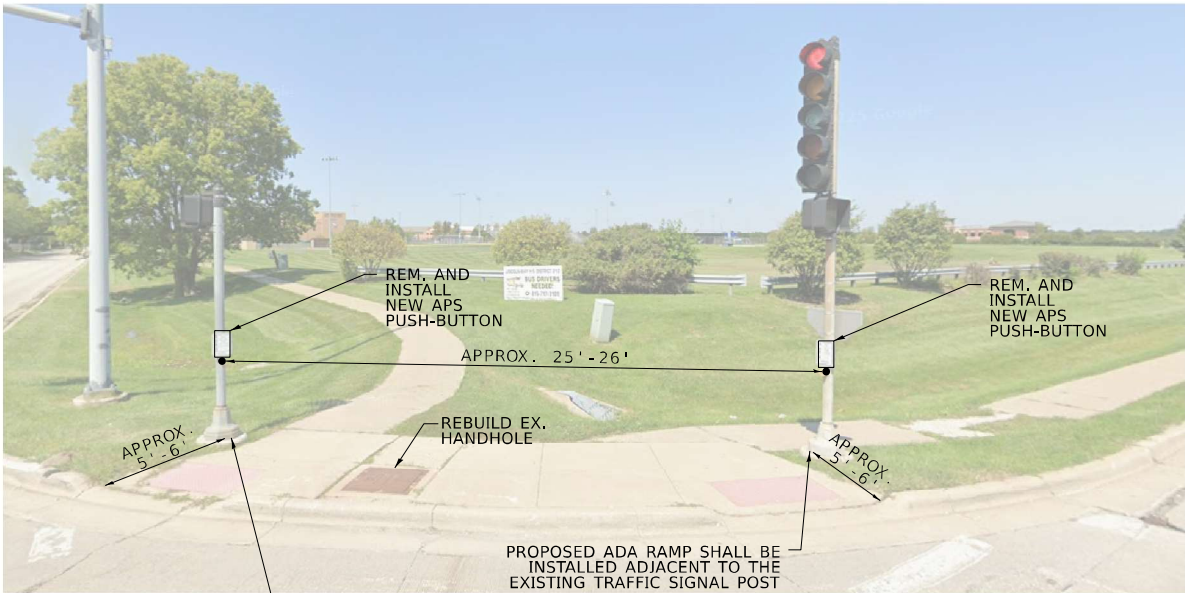
TS 11045
ECON 144

USER NAME = JHledeman	DESIGNED - JMH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JMH	REVISED -		US RTE 45 (LA GRANGE RD) AT COLORADO AVE					30	2025-1088-RS	WILL	56	33
	CHECKED - KJS	REVISED -							CONTRACT NO. 80B36				
PLOT DATE = 10/17/2025	DATE - 10/17/2025	REVISED -											
				SCALE: 1"=20'	SHEET 1	OF 3	SHEETS	STA.	TO STA.				
										ILLINOIS	FED. AID PROJECT		

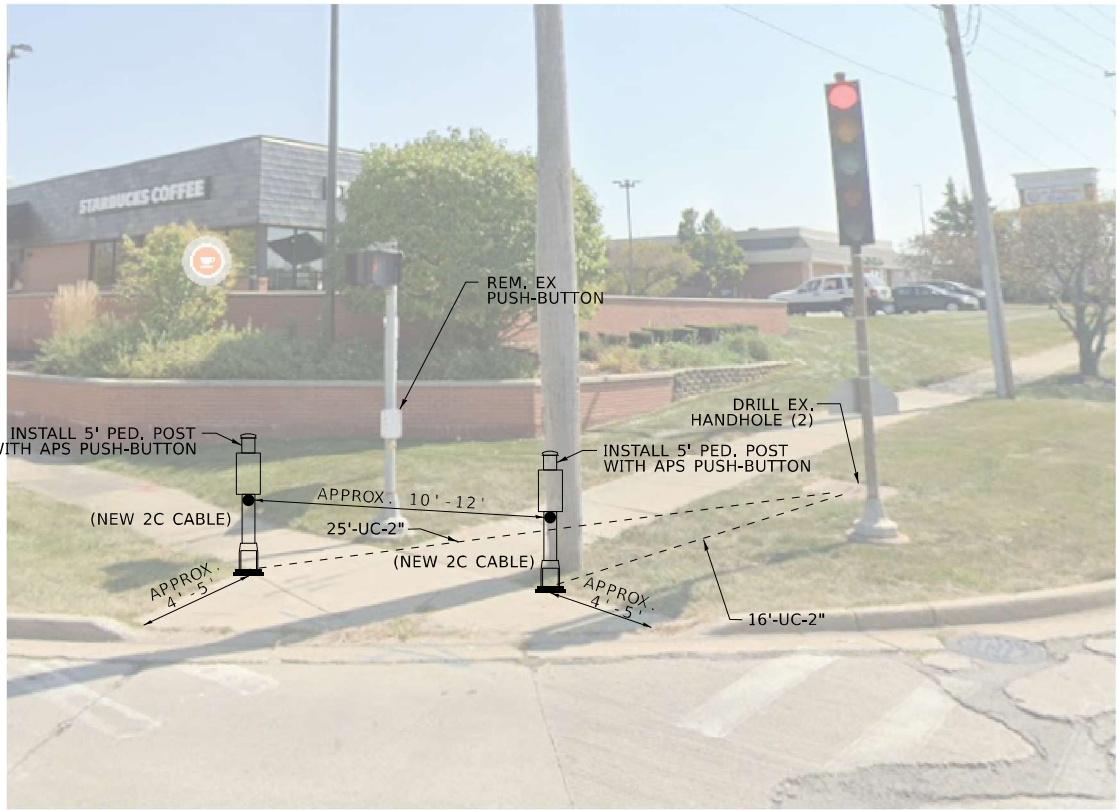
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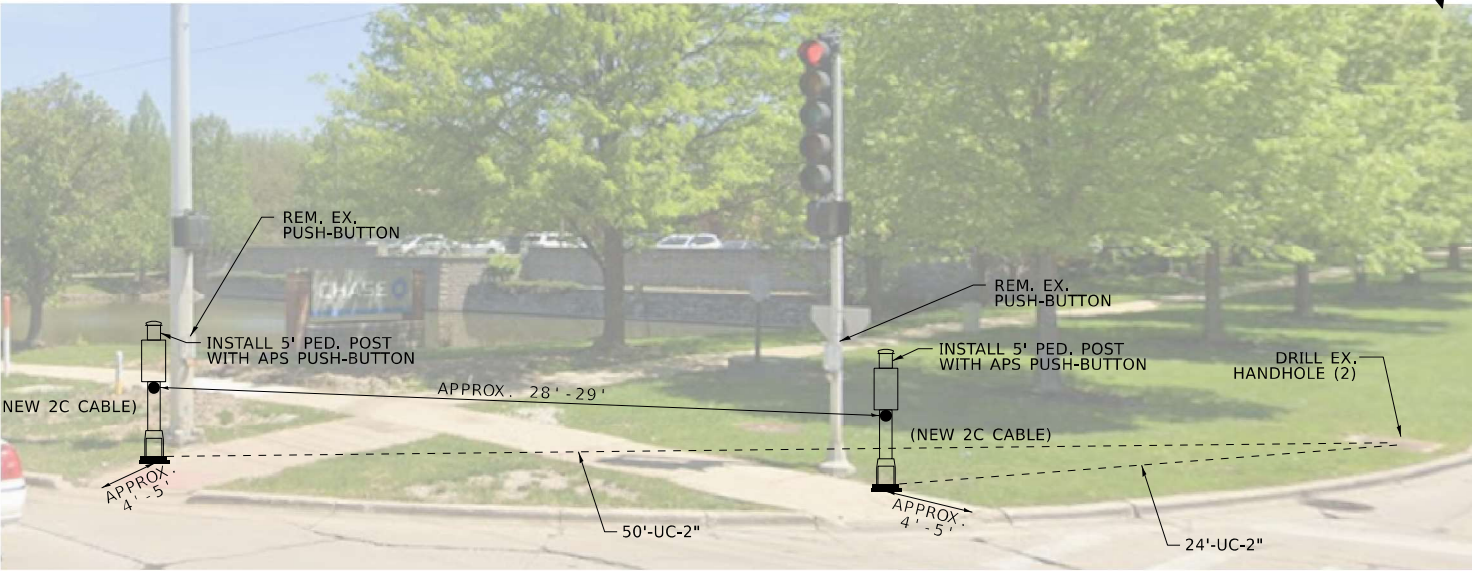
SOUTHWEST CORNER



NORTHWEST CORNER



SOUTHEAST CORNER



NORTHEAST CORNER

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USER NAME = JHiedeman	DESIGNED - JMH	REVISED -
	DRAWN - JMH	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 10/17/2025	DATE - 10/17/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

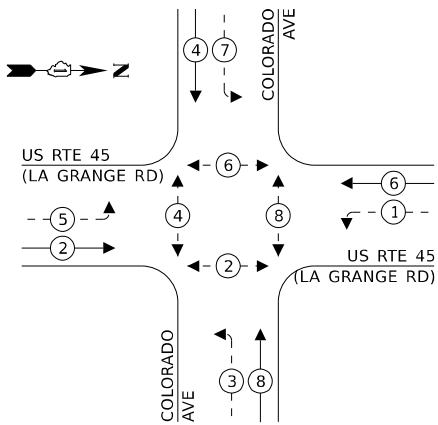
TRAFFIC SIGNAL MODERNIZATION PLAN
US RTE 45 (LA GRANGE RD) AT COLORADO AVE

SCALE: N.T.S SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	34
CONTRACT NO. 80B36				
ILLINOIS FED. AID PROJECT				

TS 11045
ECON 144

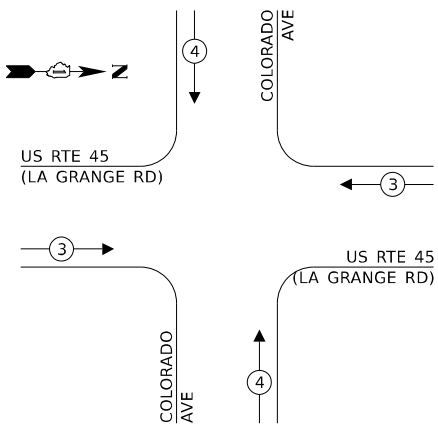
EXISTING AND PROPOSED
CONTROLLER SEQUENCE



LEGEND:

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

EXISTING AND PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT	WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44	
4-SECTION	-	14	-	
5-SECTION	8	13	104	
PROGRAMMABLE 3-SECTION	-	22	-	
4-SECTION	-	32	-	
5-SECTION	-	28	-	
PEDESTRIAN SIGNAL	8	15	120	
CONTROLLER	1	150	150	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25	
DETECTION RADAR OR VIDEO	2	20	40	
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING				483
UPS CHARGING	1	225	225	
BATTERY HEATER MAT	1	180	180	
CABINET HEATER	1	200	200	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING				1,088

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	163
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	41
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	973
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	176
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	193
DRILL EXISTING HANDHOLE	EACH	7
DETECTOR LOOP, TYPE 1	FOOT	758
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	720
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:

VILLAGE OF FRANKFORT
432 W NEBRASKA ST
FRANKFORT, IL 60423

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 35054-01111
METER NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

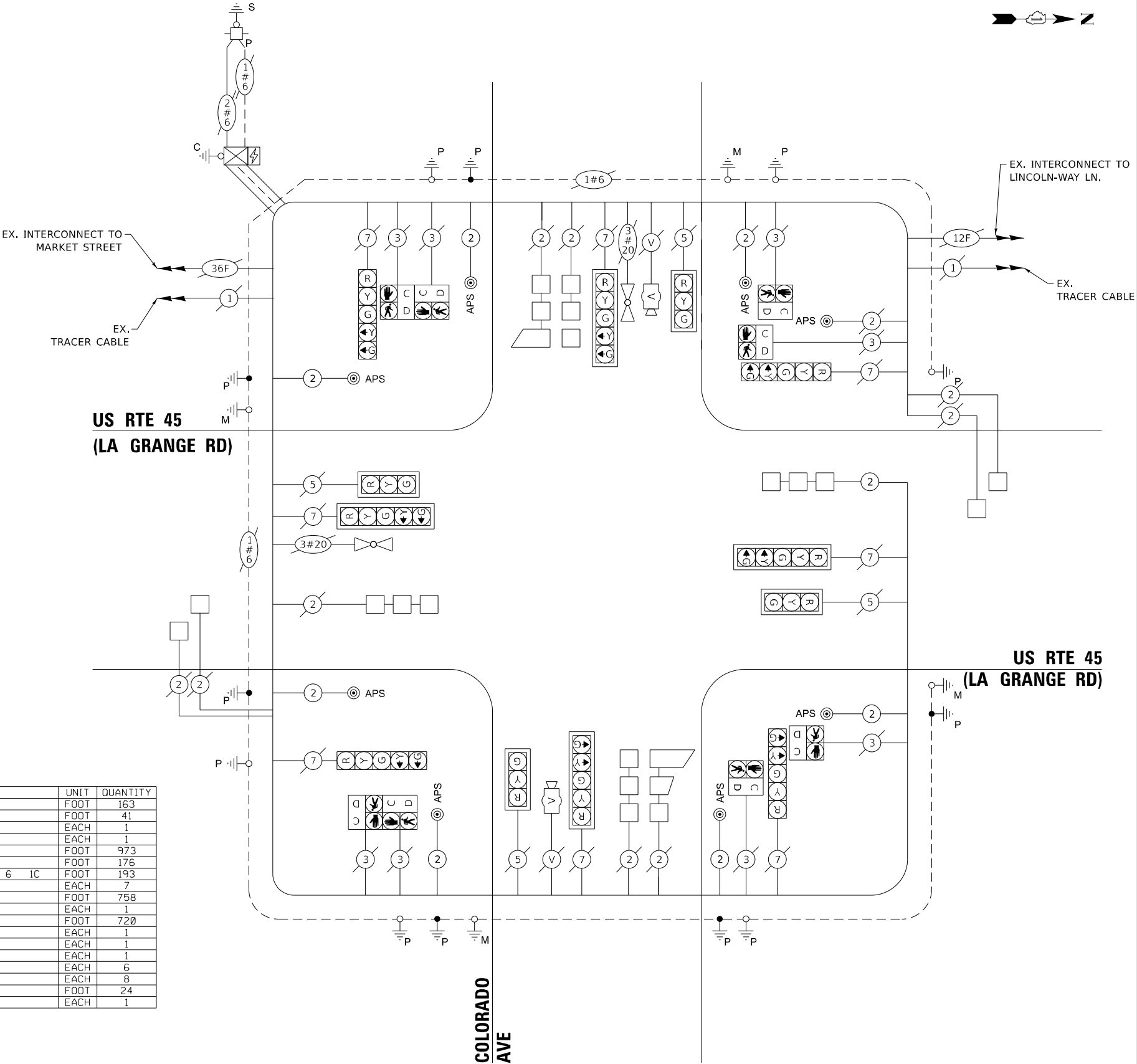
CABLE PLAN, DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
US RTE 45 (LA GRANGE RD) AT COLORADO AVE

SCALE: N.T.S SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	2025-1088-RS	WILL	56	35
CONTRACT NO. 80B36				

ILLINOIS FED. AID PROJECT

TS 11045
ECON 144

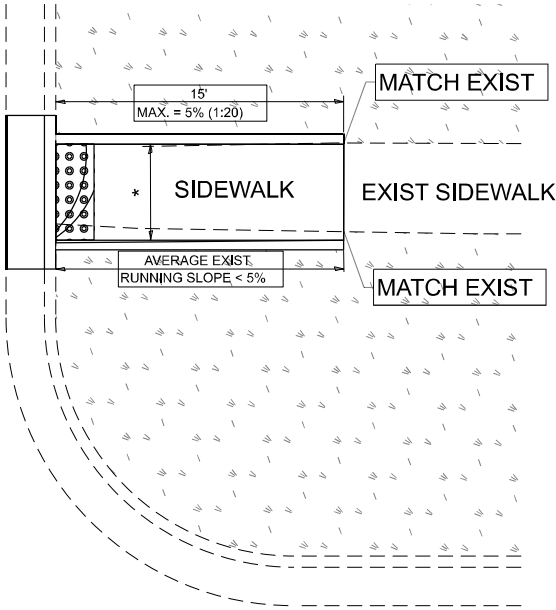


CABLE PLAN
(NOT TO SCALE)

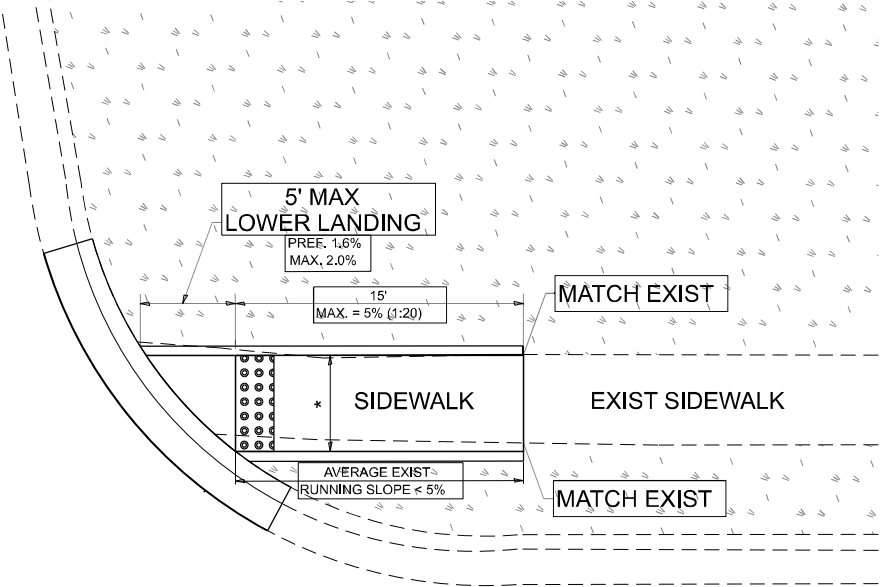
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ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

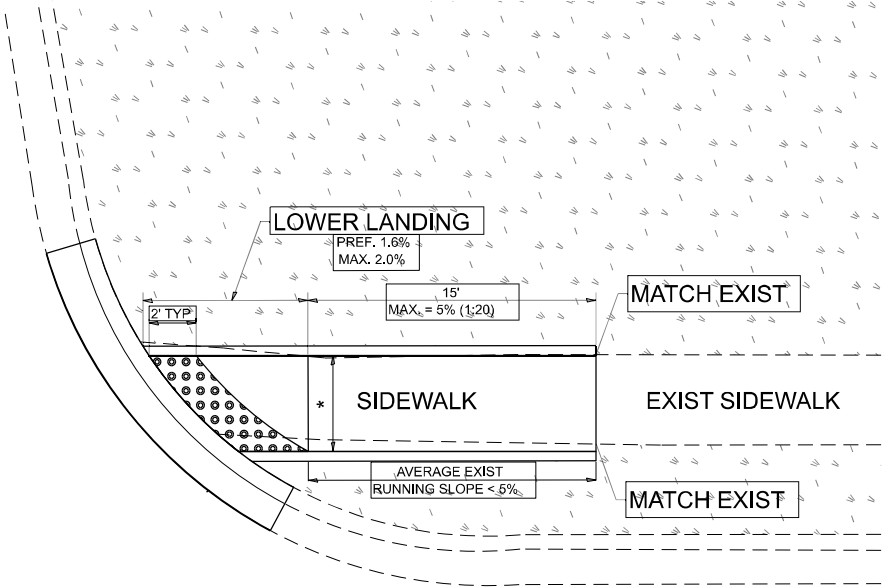
PD-01A



PD-01B



PD-01C



LEGEND



CONSTRUCTION NOTES:
1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
* MATCH EXISTING SIDEWALK WIDTH

PLOT DATE = 8/20/2024	USER NAME = Eric L. Thomas	DESIGNED -	REVISED -
		DRAWN - R. LEDEZMA	REVISED -
		CHECKED -	REVISED -
		DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

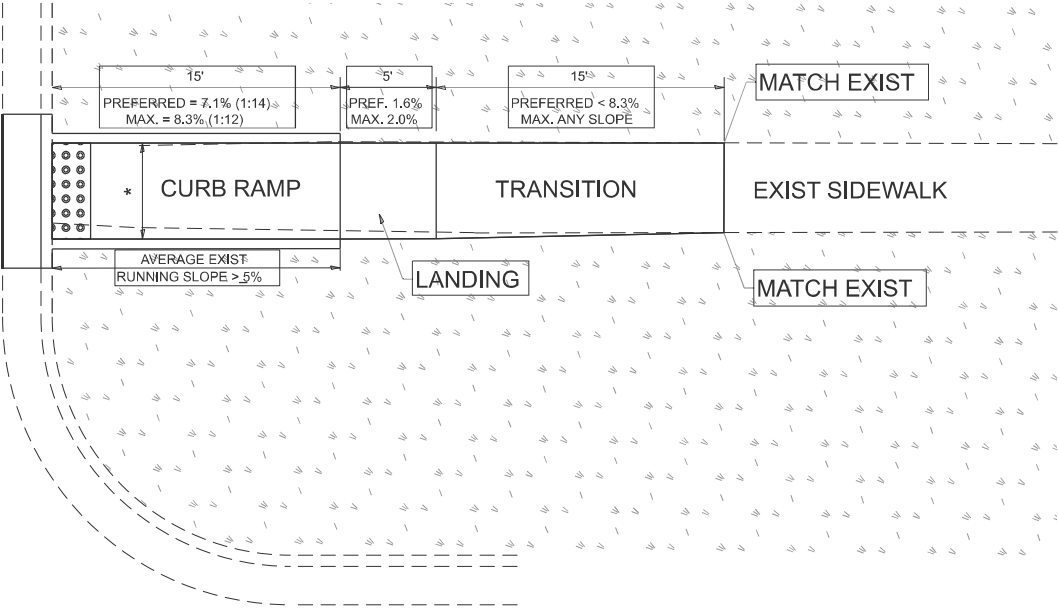
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

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

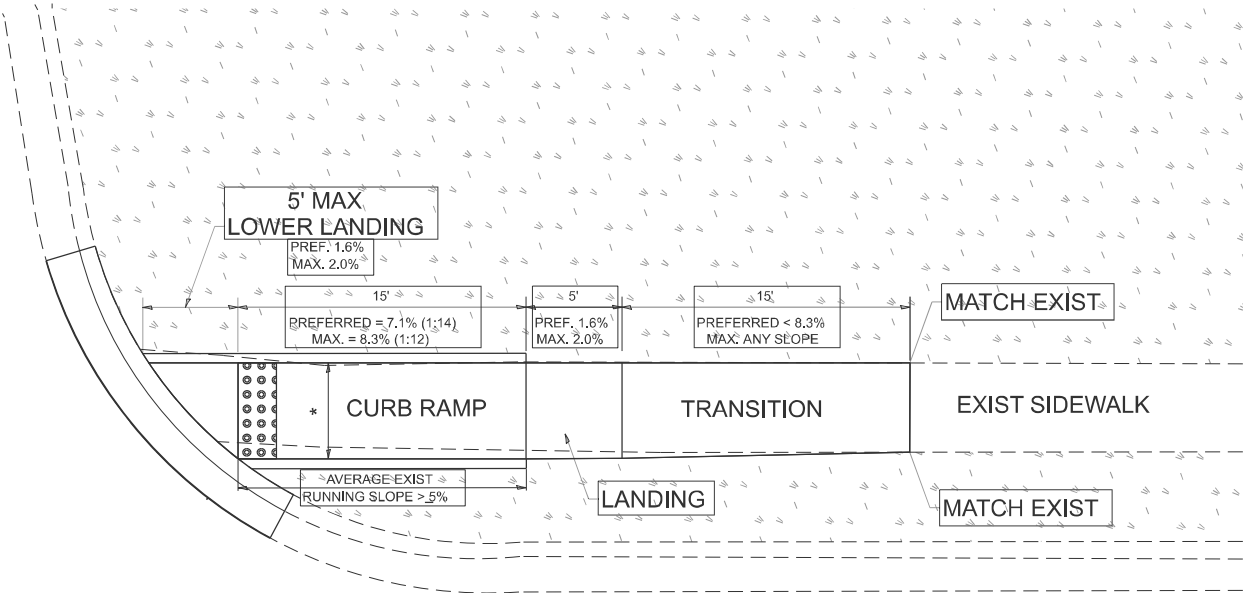
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PD-01		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

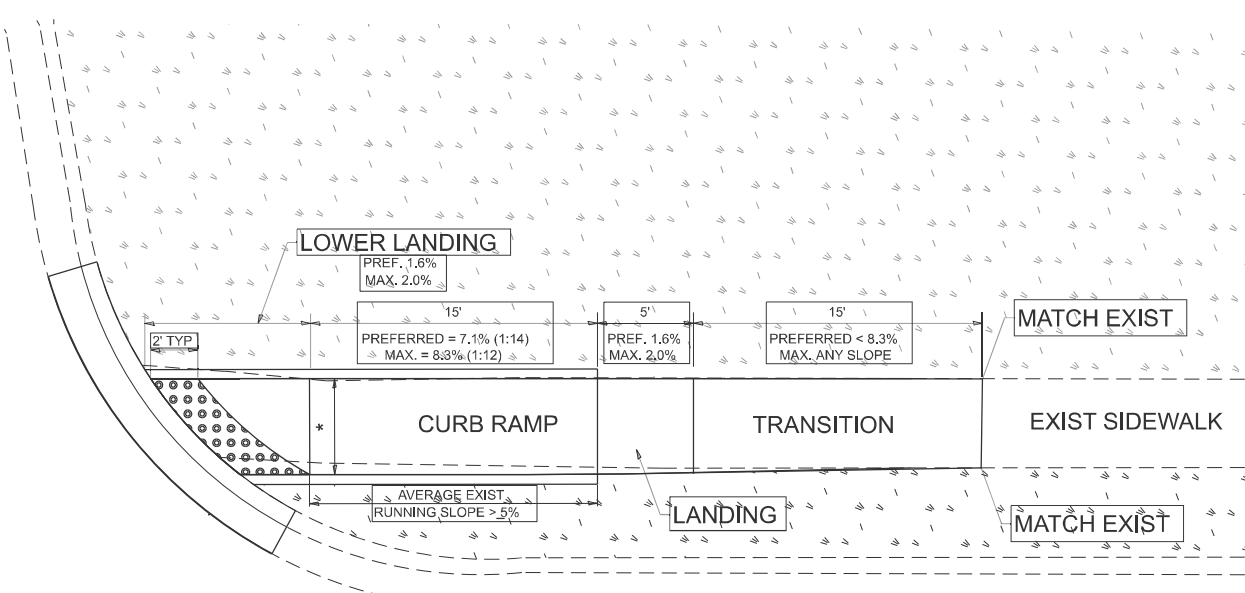
PD-02A



PD-02B



PD-02C



LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)

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

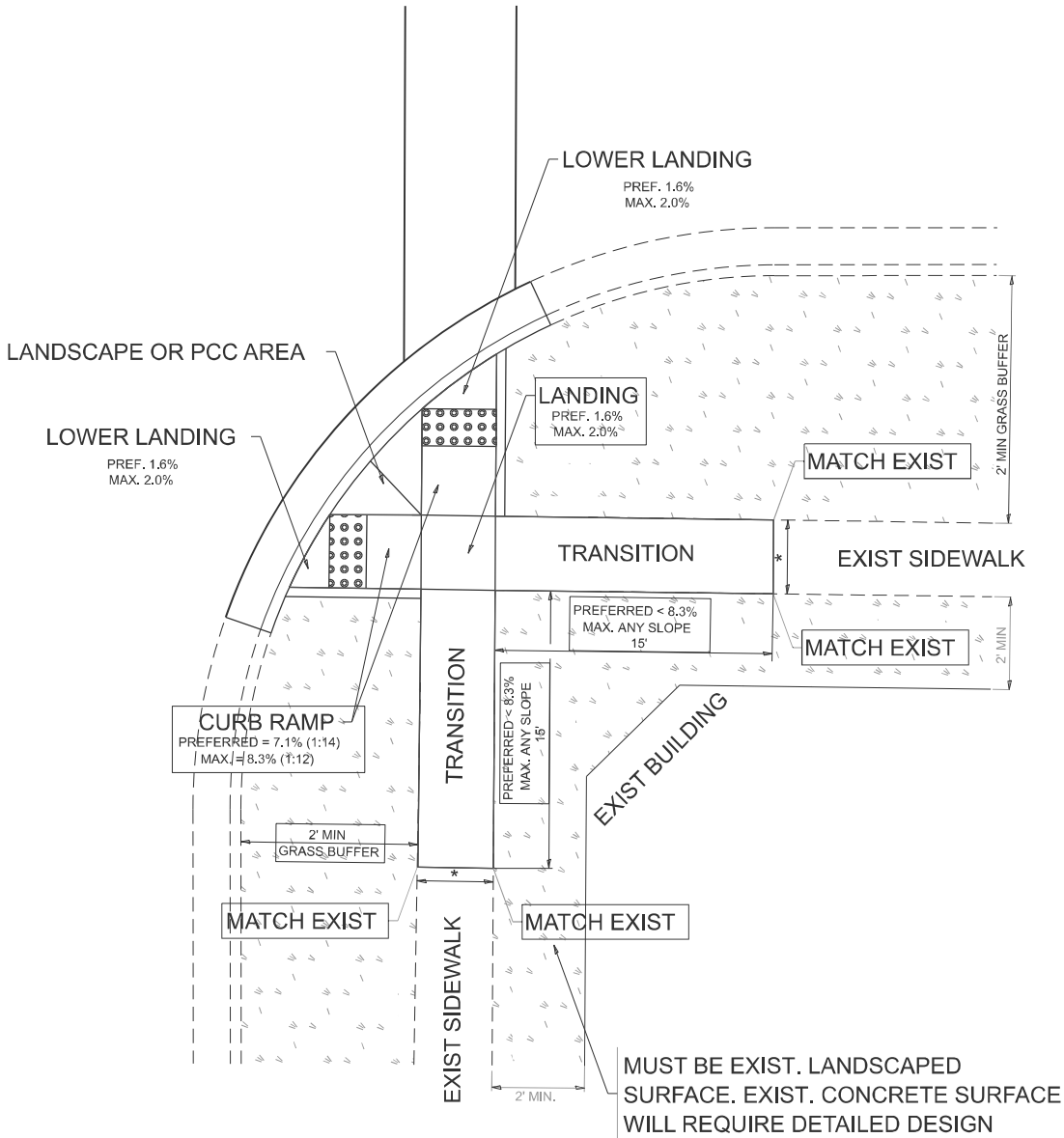
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330	2025-1088-RS	WILL	56	37
PD-02		CONTRACT NO. 80B36		
		ILLINOIS FED. AID PROJECT		

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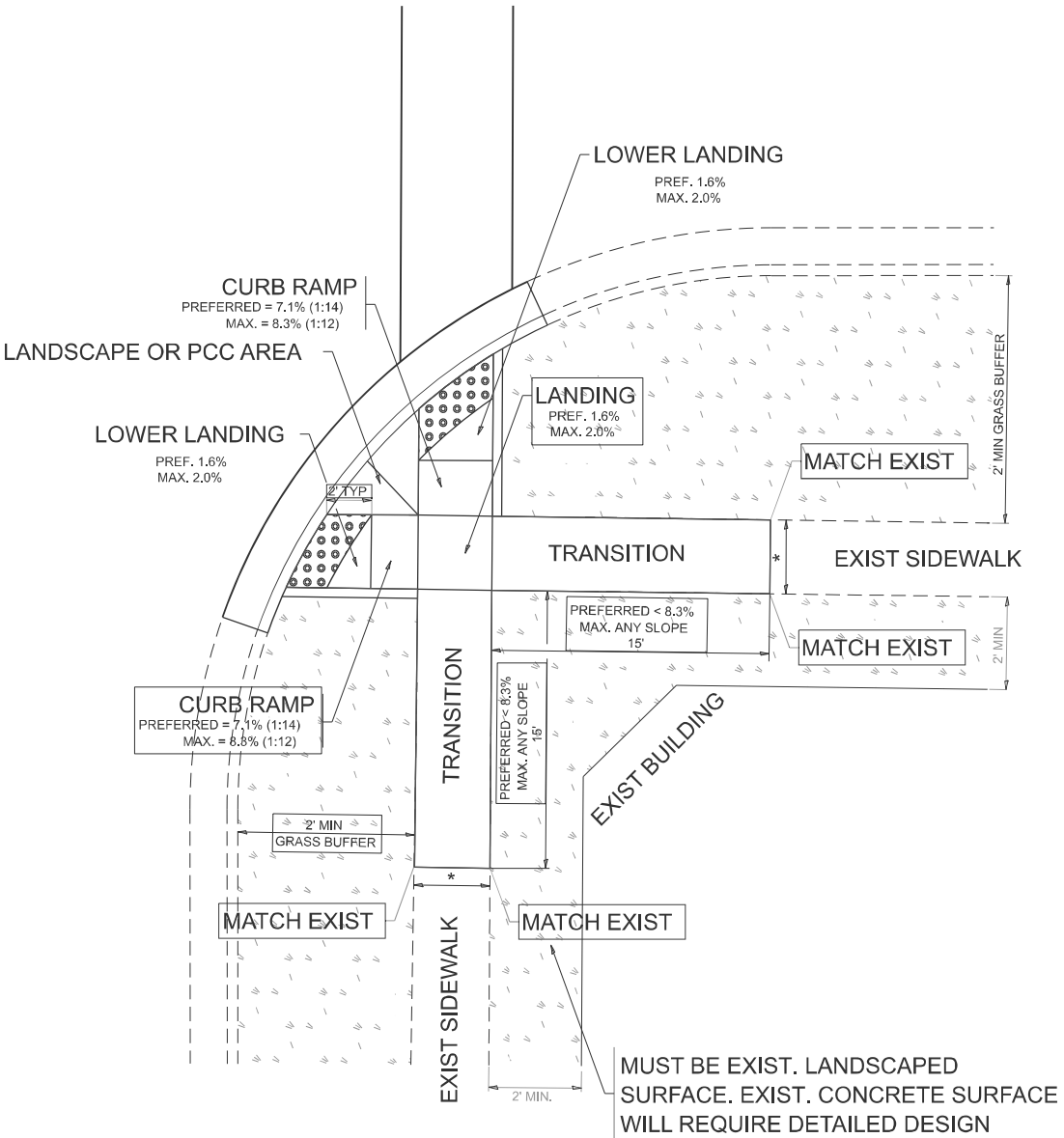
USER NAME	= Eric.L.Thomas	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/20/2024	DATE	-	REVISED	-

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

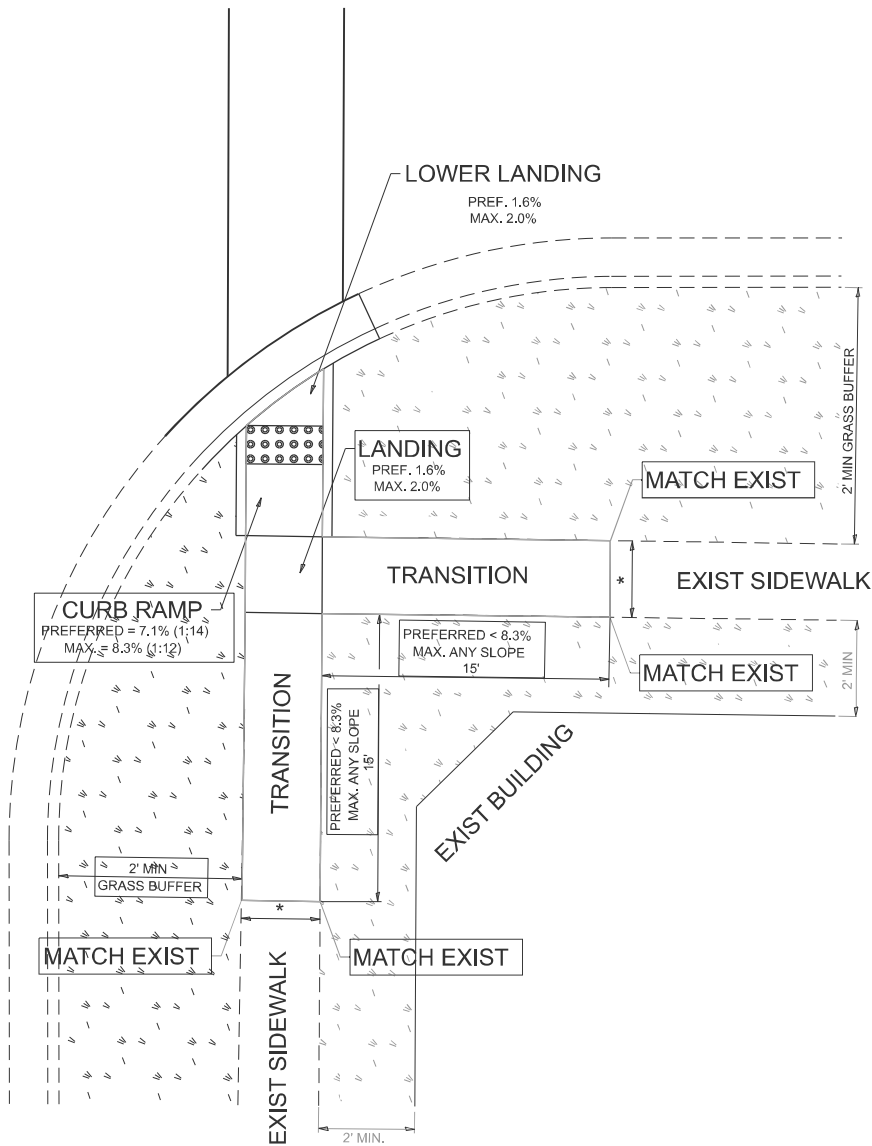
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)

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

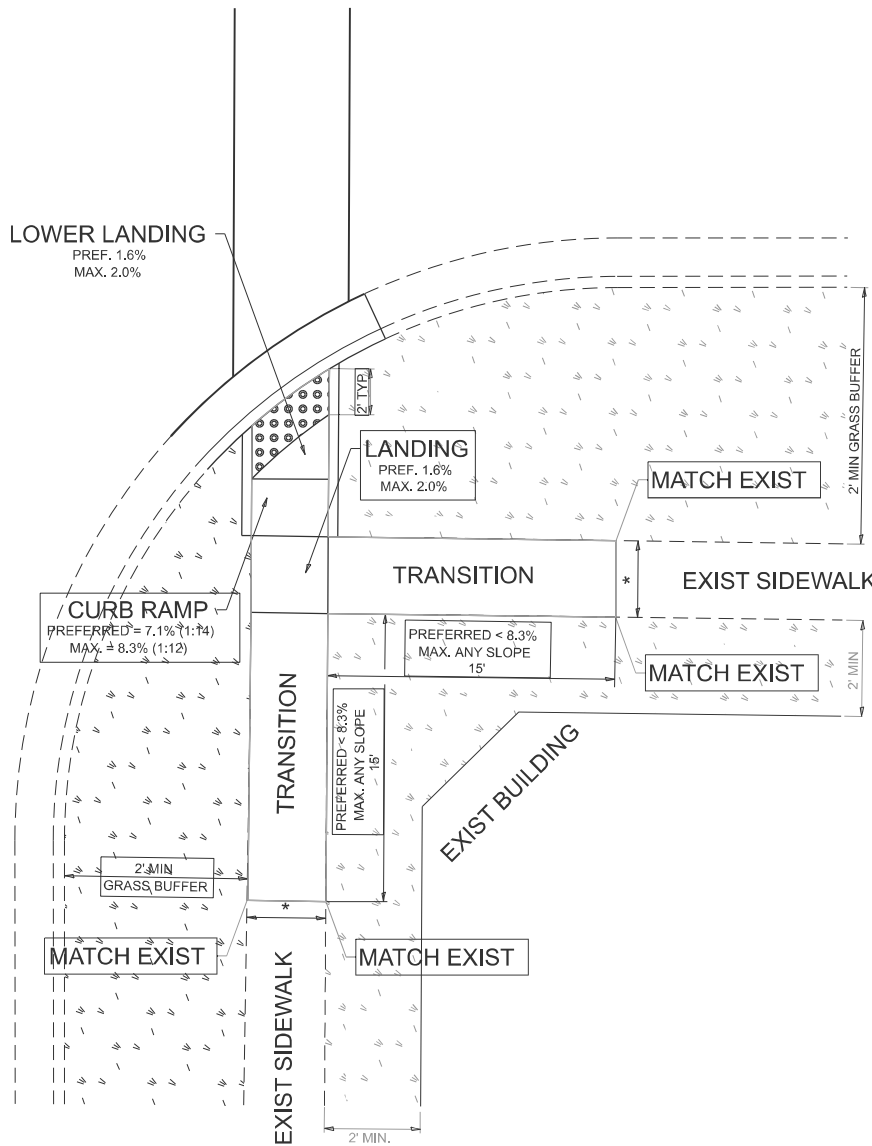
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330	2025-1088-RS	WILL	56	38
PD-03		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

PROPOSED SIDE CURB



EXIST. GRASS



PROPOSED SIDEWALK



DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH
TURNING SPACE (PD-04)

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

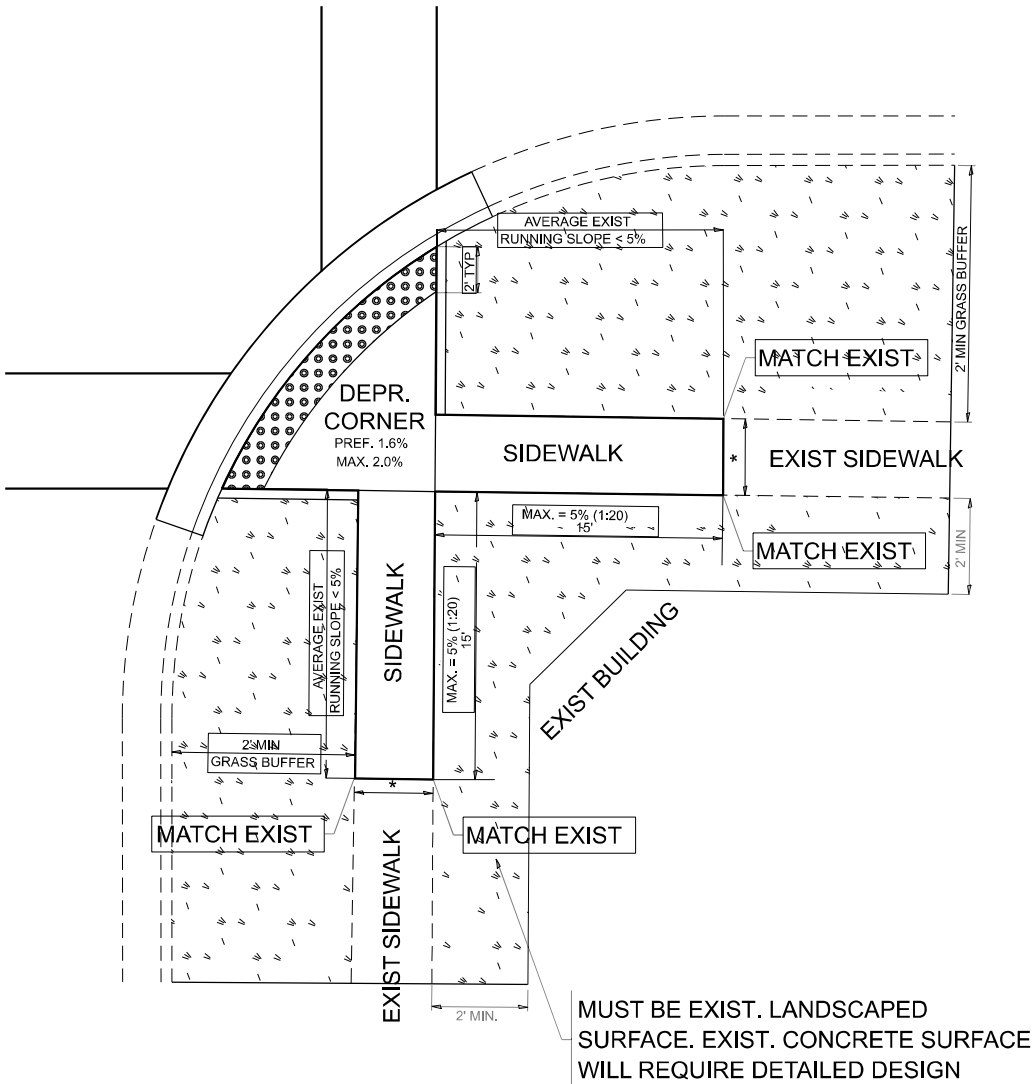
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DRAWN	-	R. LEDEZMA	-	REVISED	-
CHECKED	-	REVISED	-	REVISED	-
DATE	-	10/02/2019	-	REVISED	-

PLOT DATE = 8/20/2024

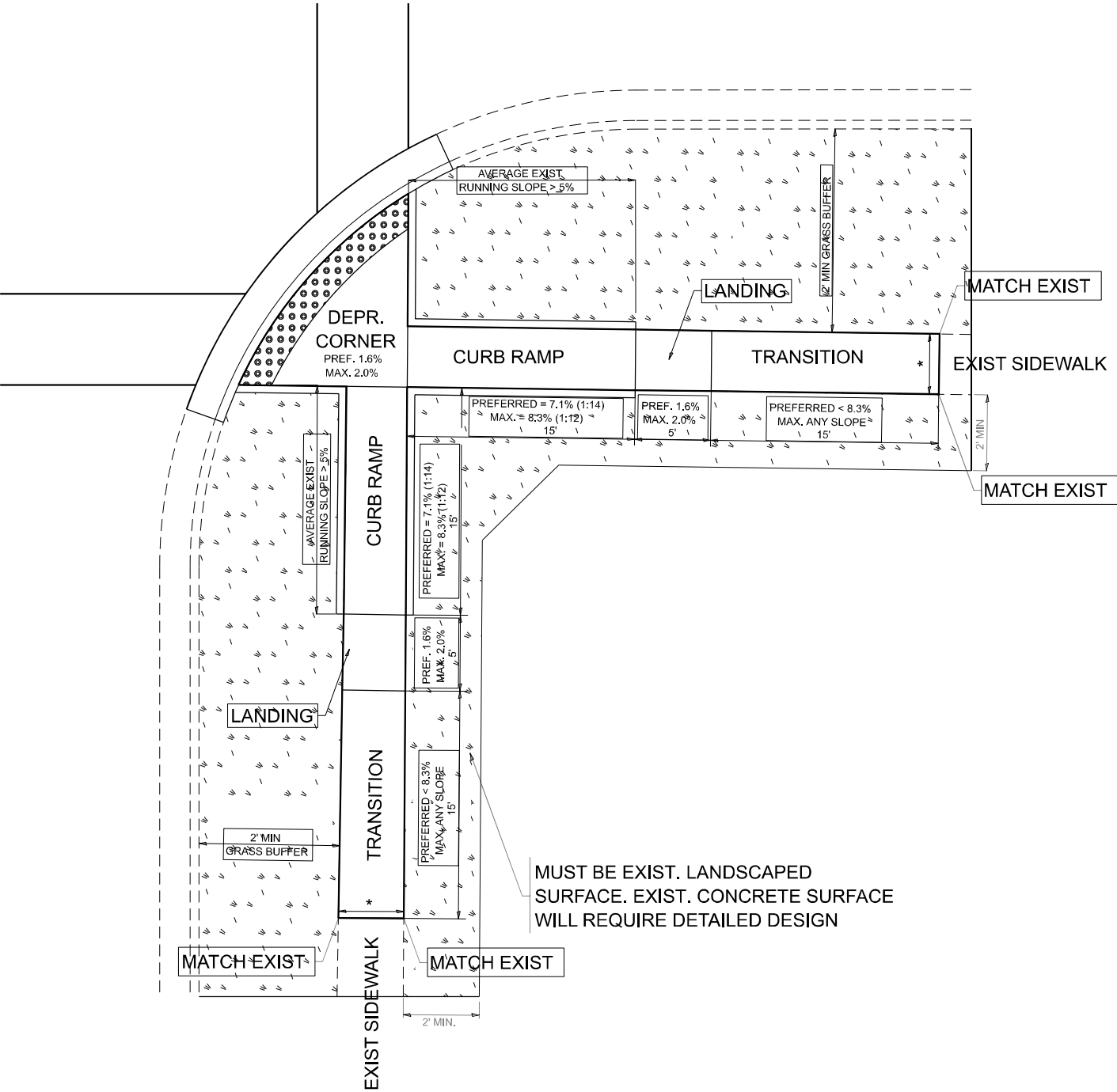
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330	2025-1088-RS	WILL	56	39
PD-04		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

PROPOSED SIDE CURB

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

MODEL: Plan Single Sheet
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USER NAME	= Eric.L.Thomas	DESIGNED	-	REVISED	-
		DRAWN	- R. LEDEZMA	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/20/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	40
PD-05		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		

PD-06A



EXIST. GRASS

CONSTRUCTION NOTES:

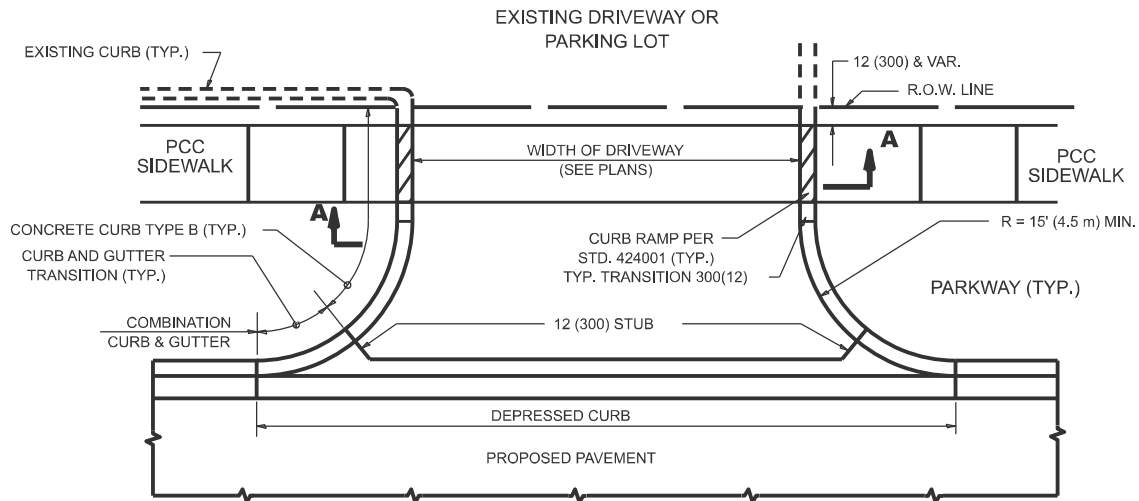
* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

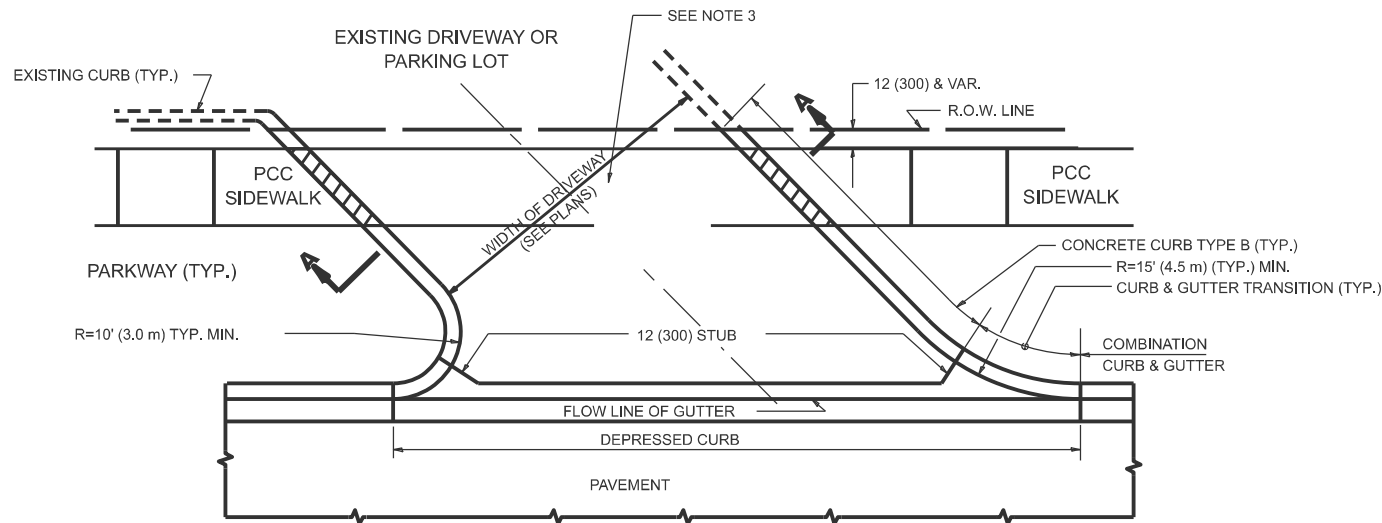
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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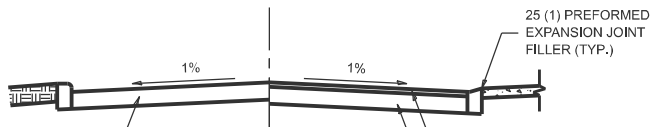
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WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



SECTION A-A

RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)

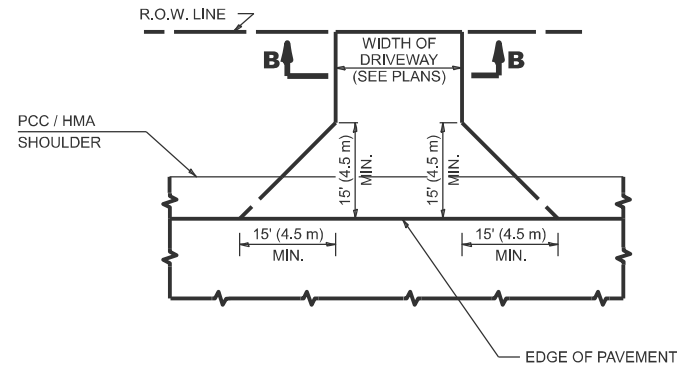
PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY

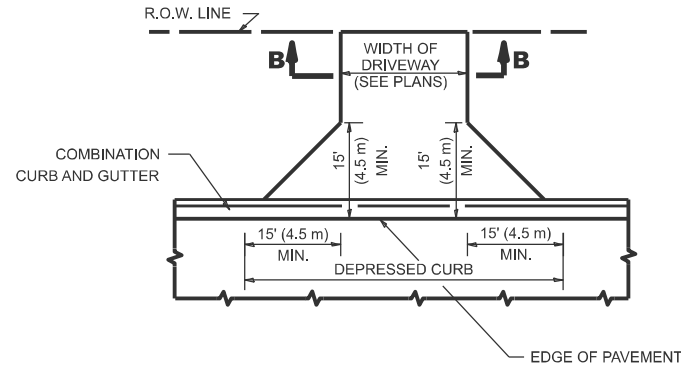
HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²)

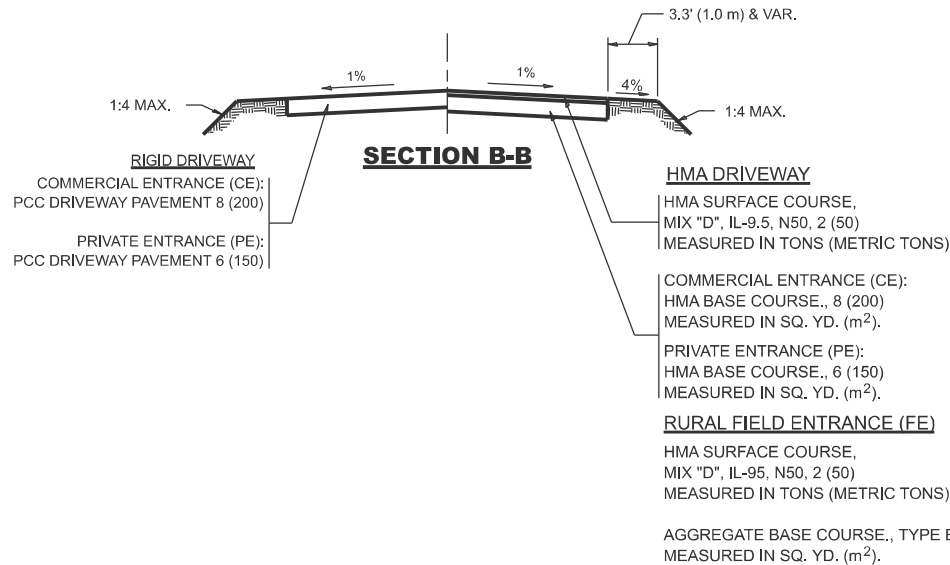
PRIVATE ENTRANCE (PE):
HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²)



ADJACENT TO PCC / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

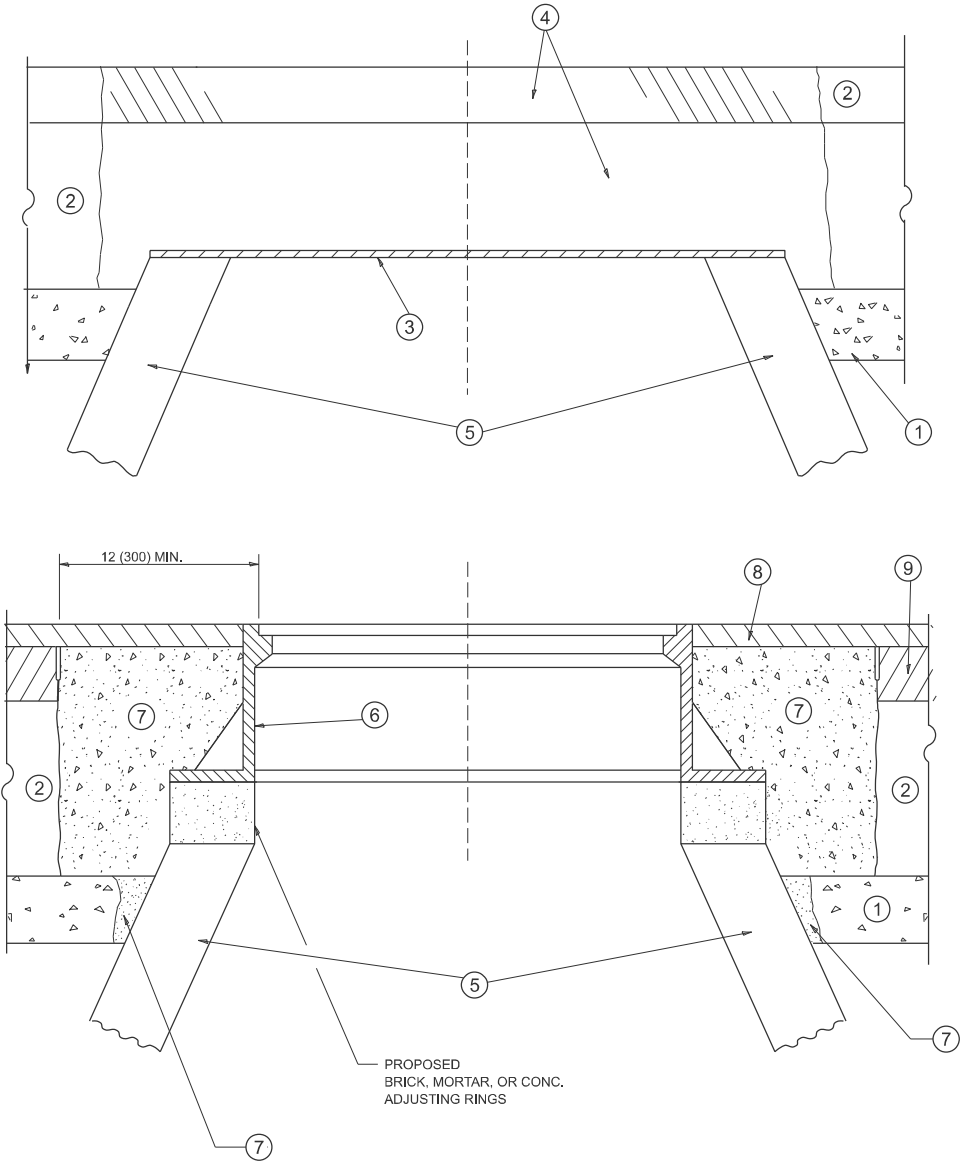
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >15'(4.5m)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	42
BD400-01 (BD-01)		CONTRACT NO. 80B36		
		ILLINOIS FED. AID PROJECT		

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**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 = Eric.L.Thomas	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 12-06-11					330	2025-1088-RS	WILL	56	44
		CHECKED -	REVISED - K. SMITH 11-18-22		BD600-03 (BD-08)			CONTRACT NO. 80B36				
	PLOT DATE = 8/20/2024	DATE - 10-25-94	REVISED - K. SMITH 09-15-23		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

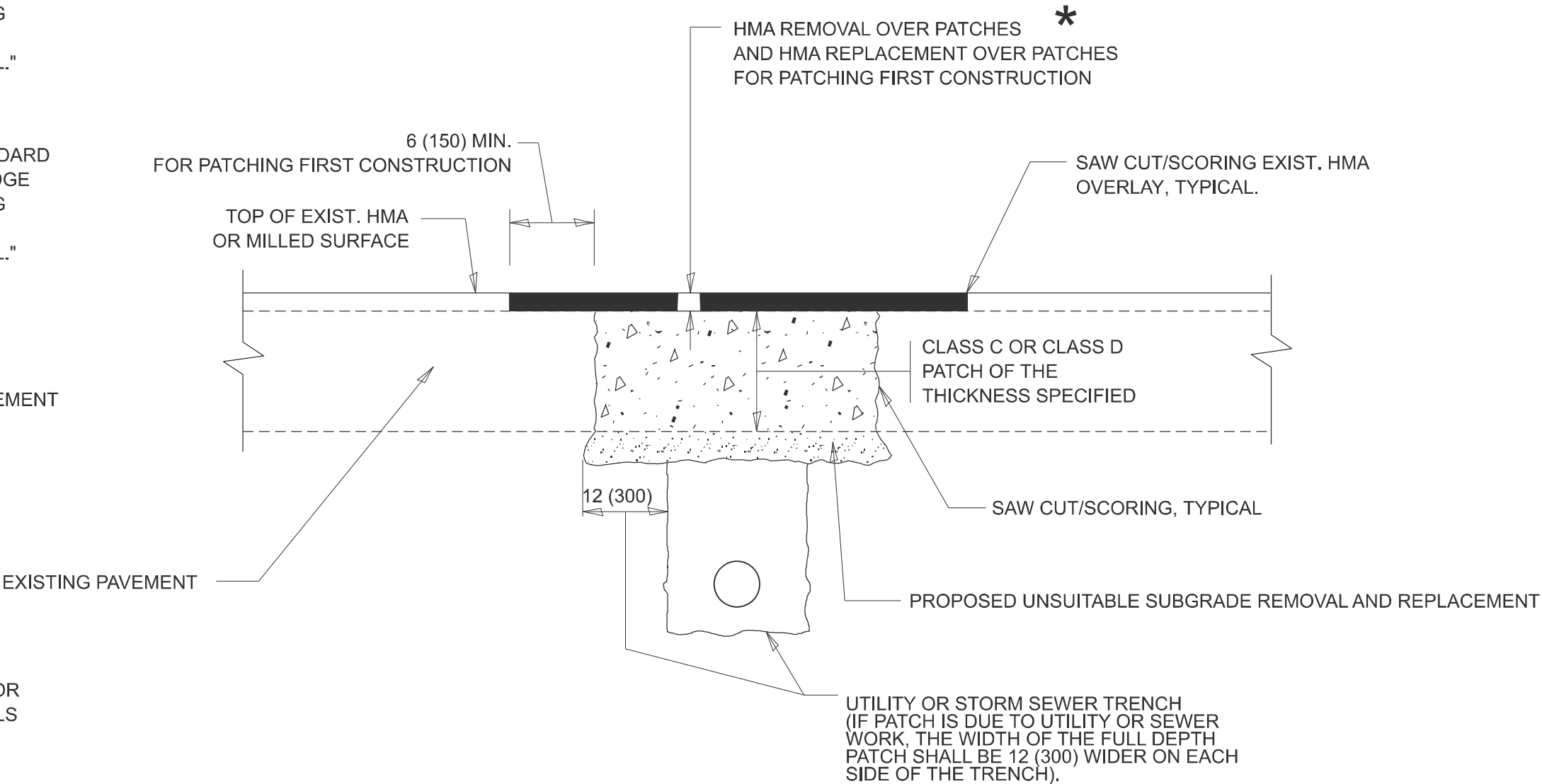
METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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

* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

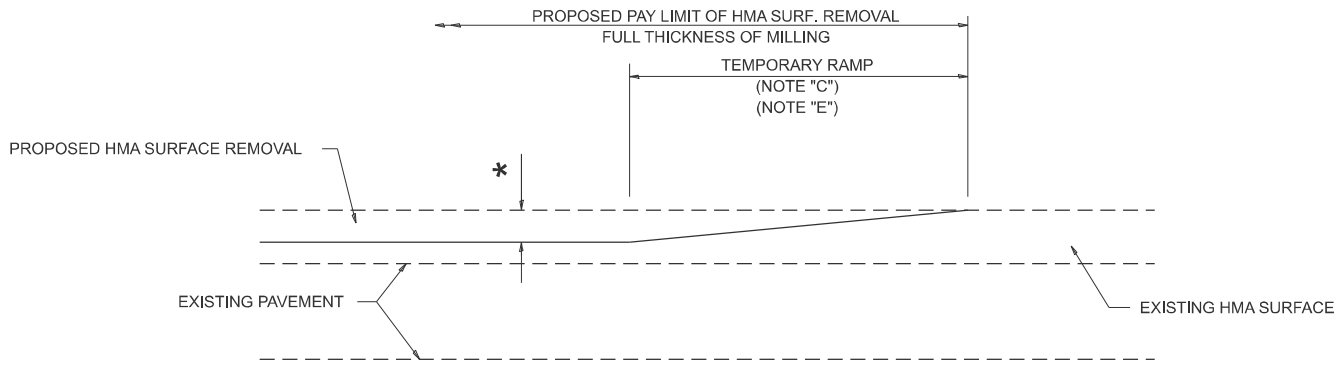
- 1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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FILE NAME: \\illinois.gov\DOT\Users\COTTHOMASELM\Documents\Bentley\CONNECT1012\Organization-Civil\DOT_Standards\Drawings\Sheet Seeds\Civil_Named_Boundary_SheetSeeds.dgnlib

	USER NAME = Eric.L.Thomas	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						330	2025-1088-RS	WILL	56	45
		CHECKED -	REVISED - K. ENG 10-27-08						BD400-04 (BD-22) CONTRACT NO. 80B36				
	PLOT DATE = 8/20/2024	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		ILLINOIS FED. AID PROJECT								
						SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		

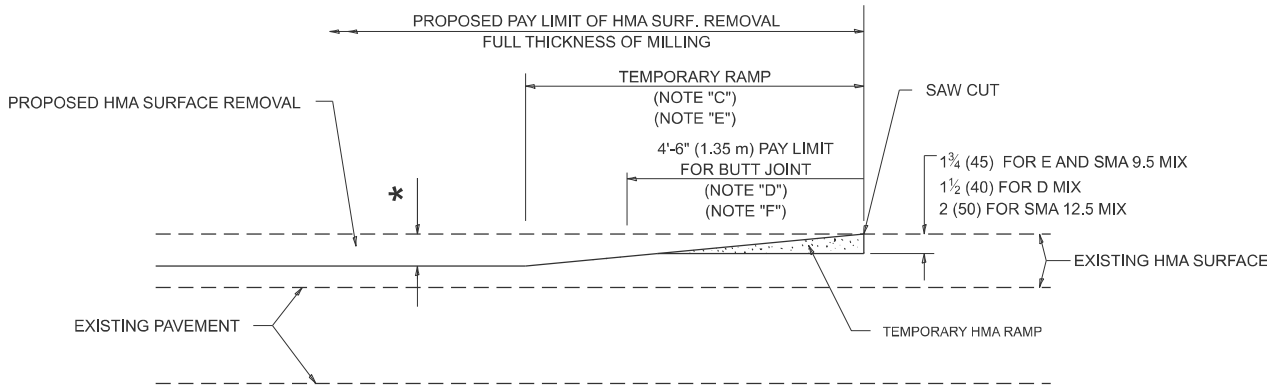
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MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

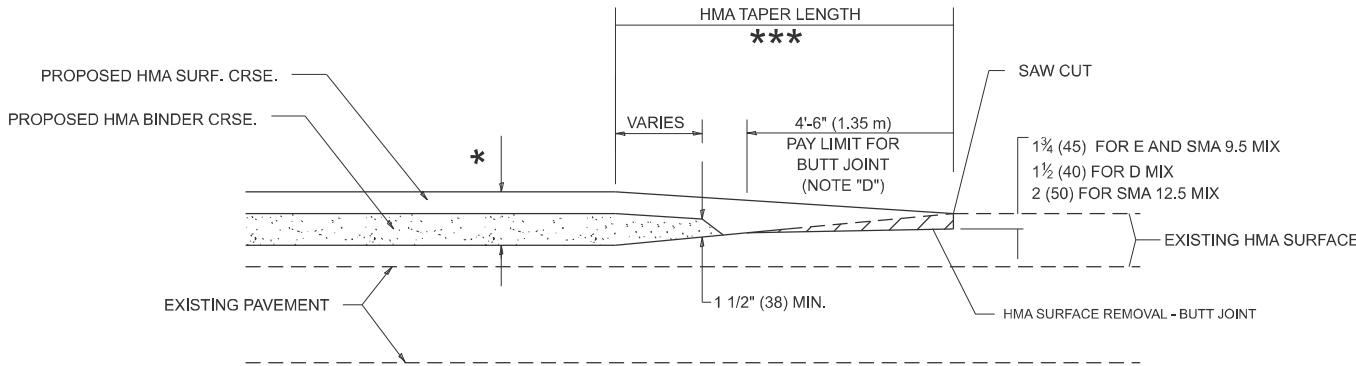


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

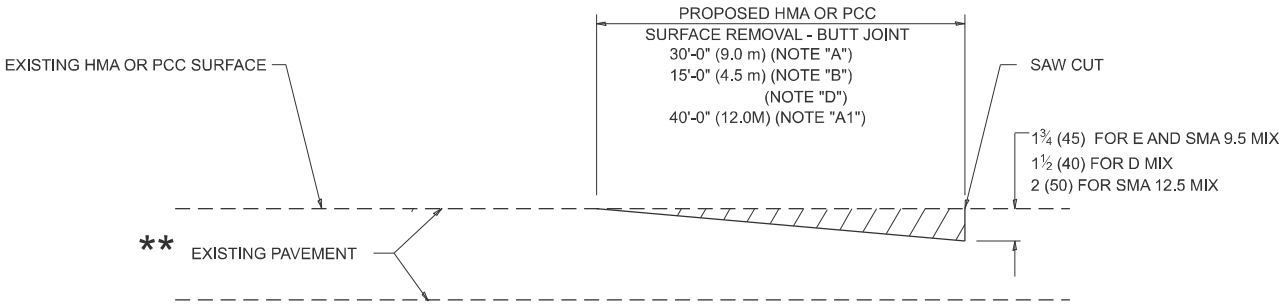
OPTION 2

TYPICAL TEMPORARY RAMP

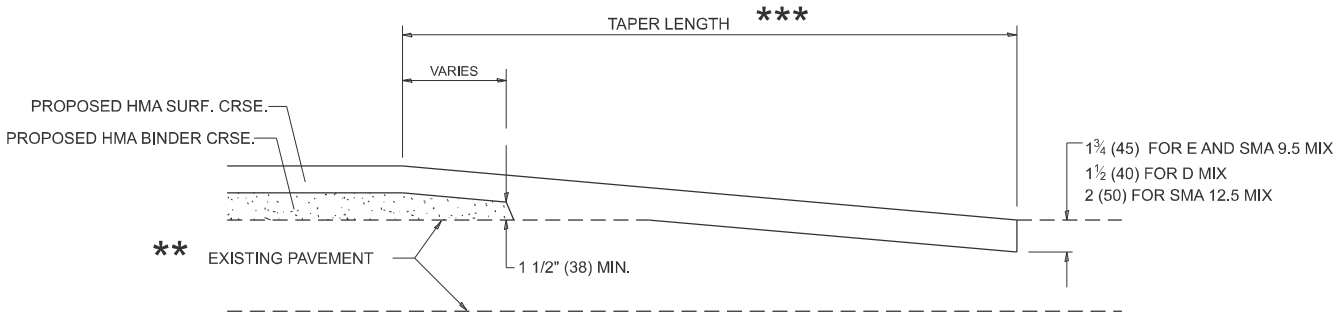


**BUTT JOINT AND
HMA TAPER**

**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 = Eric.L.Thomas	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 8/20/2024	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

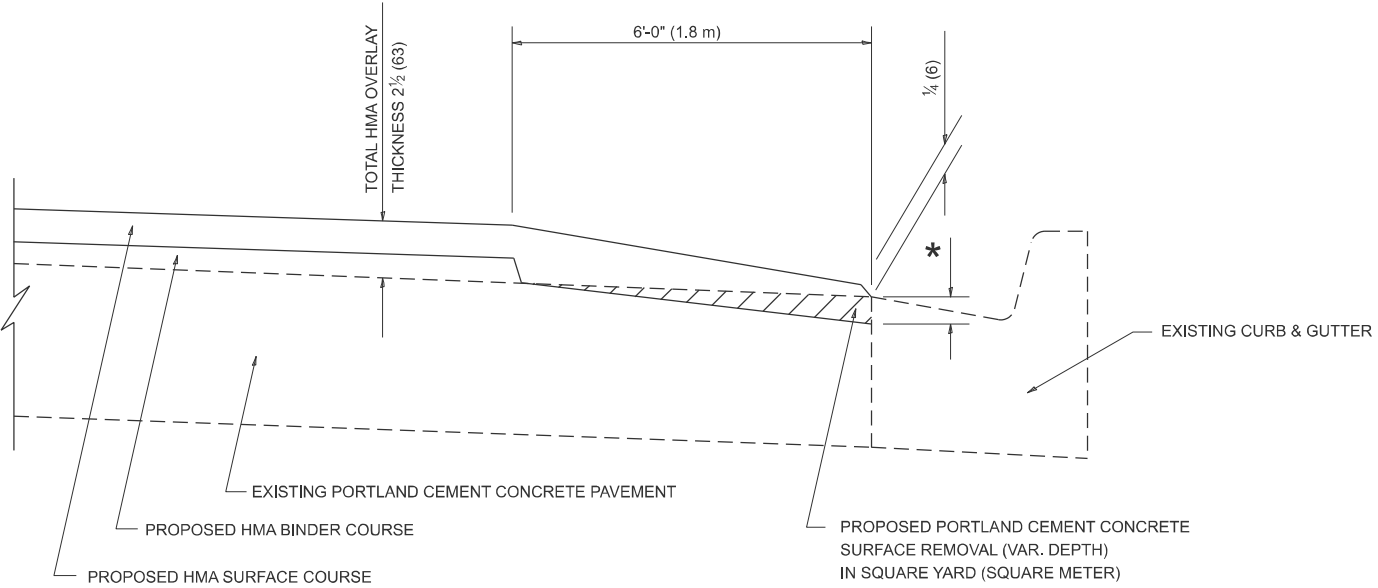
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	47
BD400-05 BD-32		CONTRACT NO. 80B36		
		ILLINOIS FED. AID PROJECT		

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**HMA TAPER AT
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE COURSE		HMA BINDER COURSE	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
D	1 1/2 (38)	1 (25)	1 1/4 (33)
E OR SMA 9.5	1 3/4 (44)	3/4 (19)	1 1/2 (38)

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

USER NAME = Eric.L.Thomas	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN - JIS	REVISED - JP CHANG 07-08-16
	CHECKED - A. ABBAS	REVISED - K. SMITH 02-01-22
PLOT DATE = 8/20/2024	DATE - 09-10-94	REVISED - K. SMITH 11-18-22

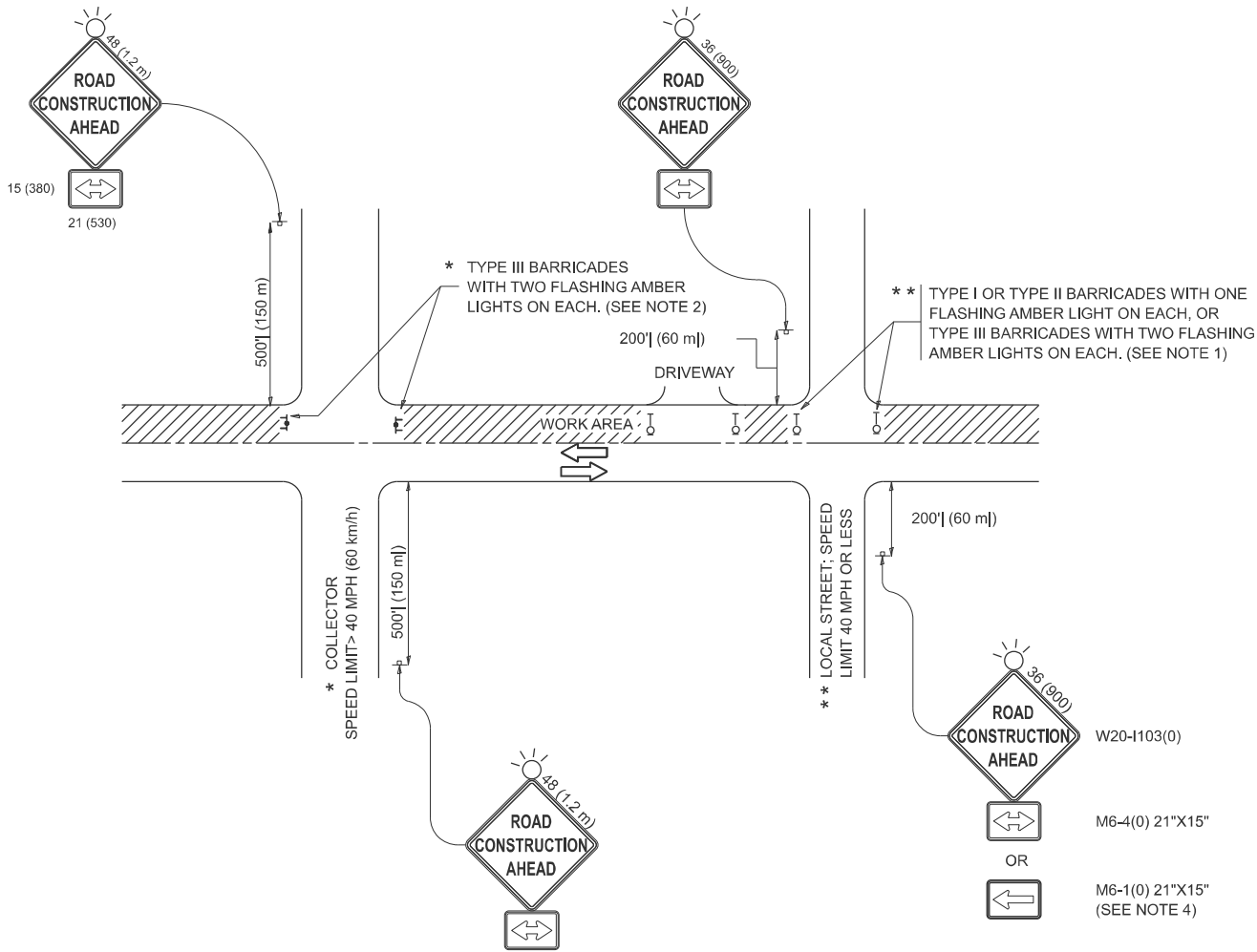
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**HMA TAPER AT
EDGE OF P.C.C. PAVEMENT**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	48
BD400-06 BD-33		CONTRACT NO. 80B36		
		ILLINOIS	FED. AID PROJECT	

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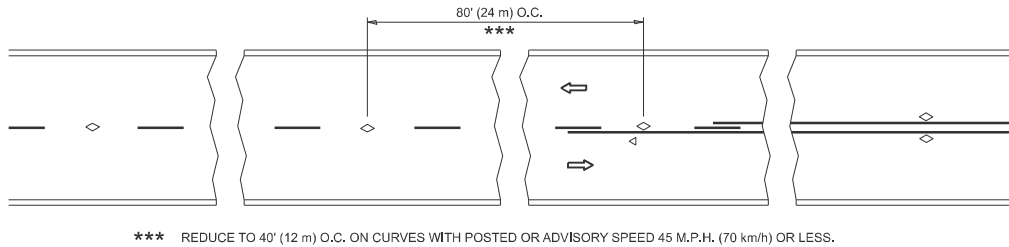
NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

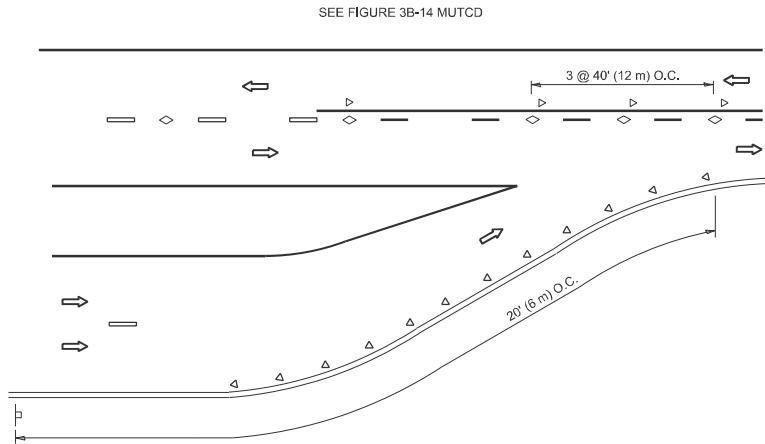
All dimensions are in inches (millimeters) unless otherwise shown.

	USER NAME = Eric,L,Thomas	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. SCHUETZE 07-01-13									330	2025-1088-RS	WILL	56	49
		CHECKED -	REVISED - A. SCHUETZE 09-15-06									TC-10		CONTRACT NO. 80B36		
	PLOT DATE = 8/20/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24									ILLINOIS FED. AID PROJECT				

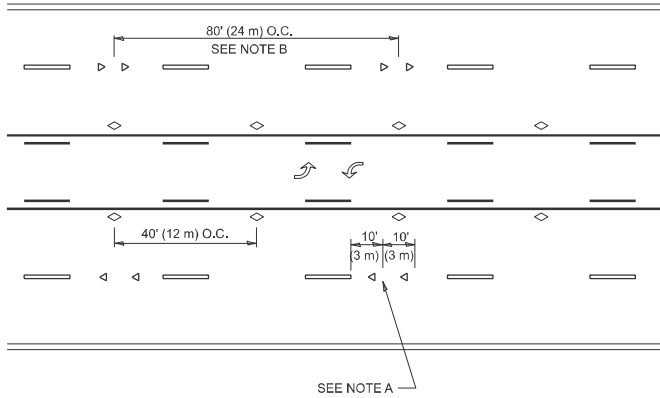
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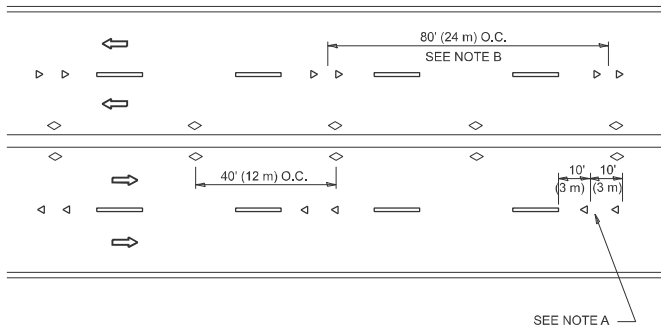
TWO-LANE/TWO-WAY



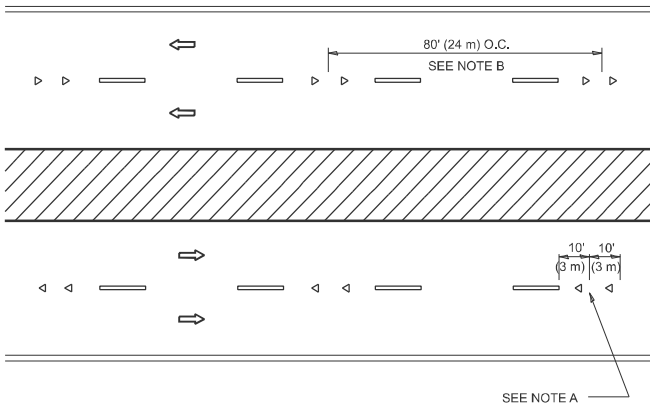
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

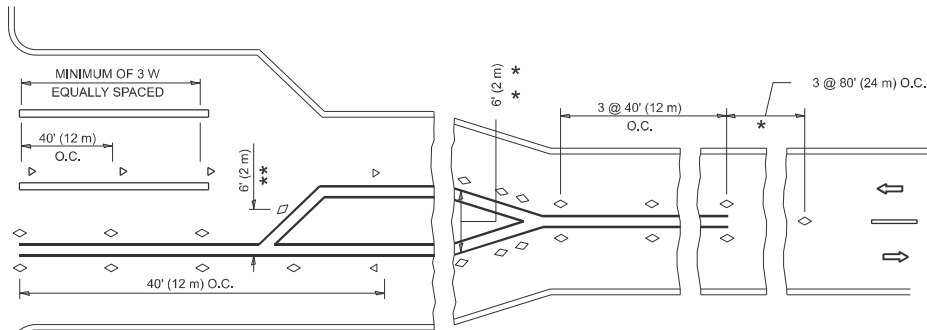
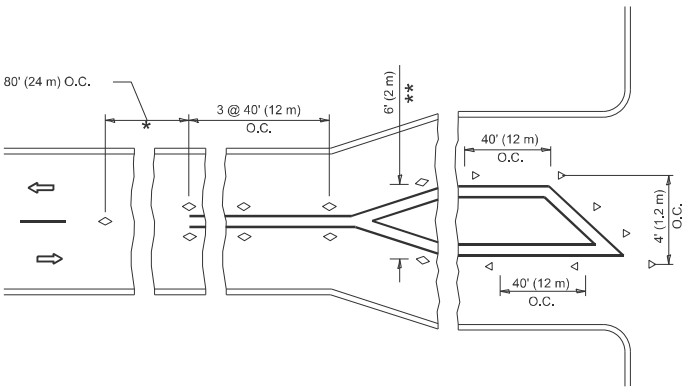
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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



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

TURN LANES

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

USER NAME = Eric.L.Thomas	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 8/20/2024	DATE -	REVISED - C. JUCIUS 07-01-13

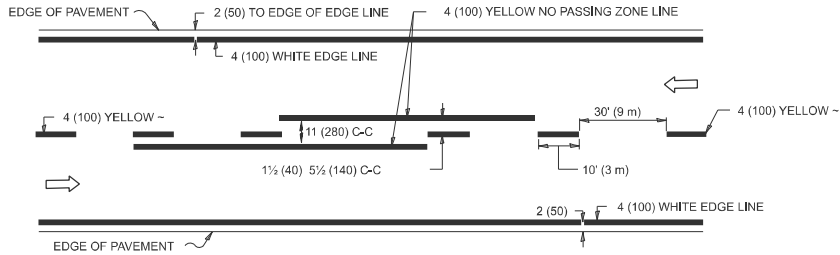
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

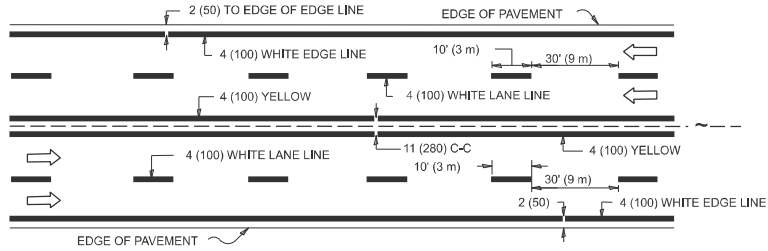
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	50
TC-11		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		

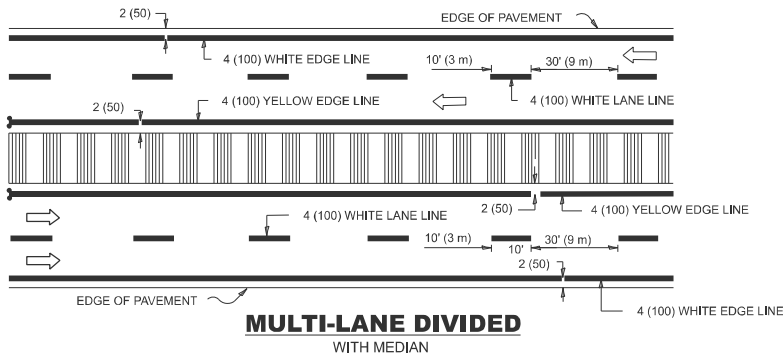
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2-LANE ROADWAY

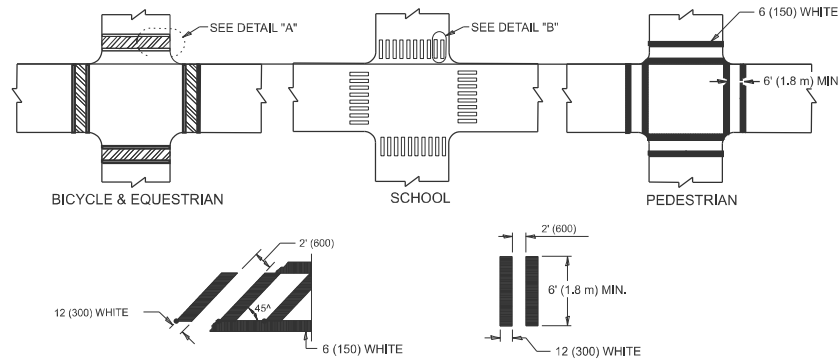


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

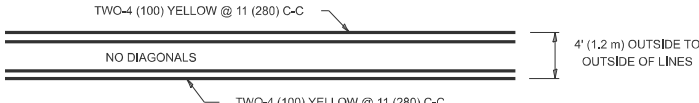


DETAIL "A"

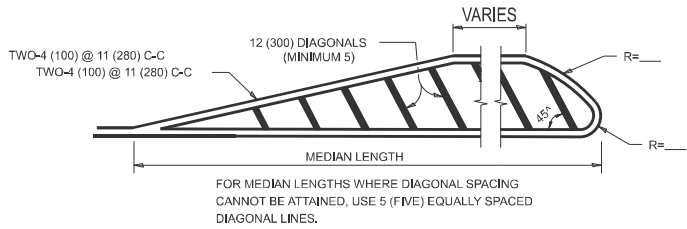
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

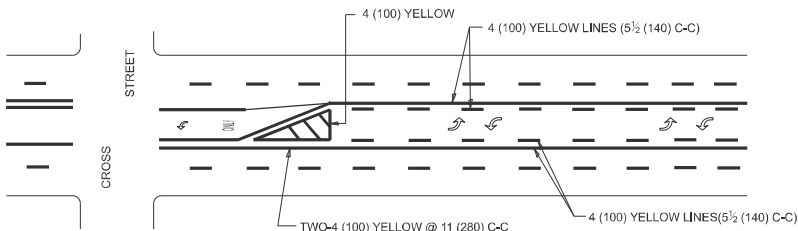


4' (1.2 m) WIDE MEDIANS ONLY

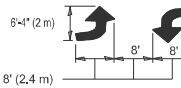


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

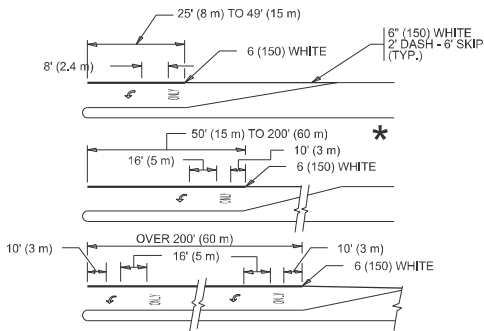


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

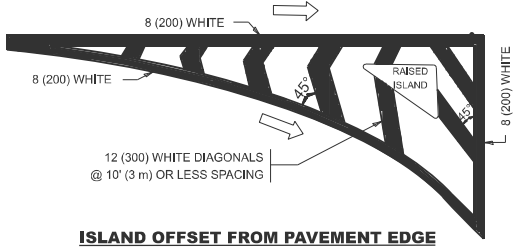


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

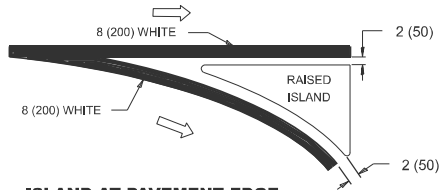
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

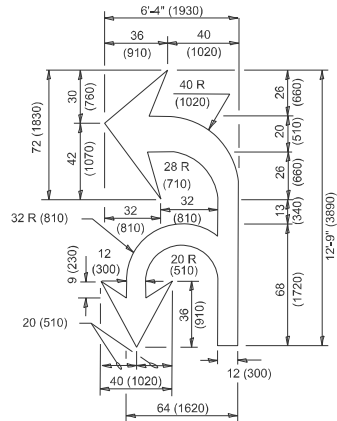


ISLAND OFFSET FROM PAVEMENT EDGE

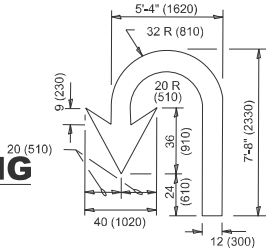


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

LANE REDUCTION TRANSITION

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

USER NAME = Eric L. Thomas	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 8/20/2024	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	51
TC-13		CONTRACT NO. 80B36		
		ILLINOIS FED. AID PROJECT		

FIGURE 1

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

1. A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE
(AS SHOWN IN FIG. 1), USE FIGURE 1.

B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE
OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES OR BARRICADES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

Diagram illustrating the tapering of a median, showing the removal of conflicting pavement markings and the application of reflective tape.

Labels and Callouts:

- CONFLICTING PAVEMENT MARKING REMOVAL (TYP.)
- ONLY
- SEE DETAIL "A"
- 6" WHITE REFLECTIVE PAVEMENT MARKING TAPE
- 20' (6m) MIN.
- 4" YELLOW REFLECTIVE PAVEMENT MARKING TAPE (REMOVE CONFLICTING WHITE SKIP-DASH LINES FIRST.)
- MEDIAN

FIGURE 2

5' (1.5 m) MIN.
(SEE NOTE 7)

R3-I100L
24 x 24 (600 x 600)

M6-2L
21 x 15 (530 x 380)

STABILIZE SIGN
SUPPORT WITH
SANDBAGS AS
NECESSARY

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

USER NAME = Eric.L.Thomas	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 8/20/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

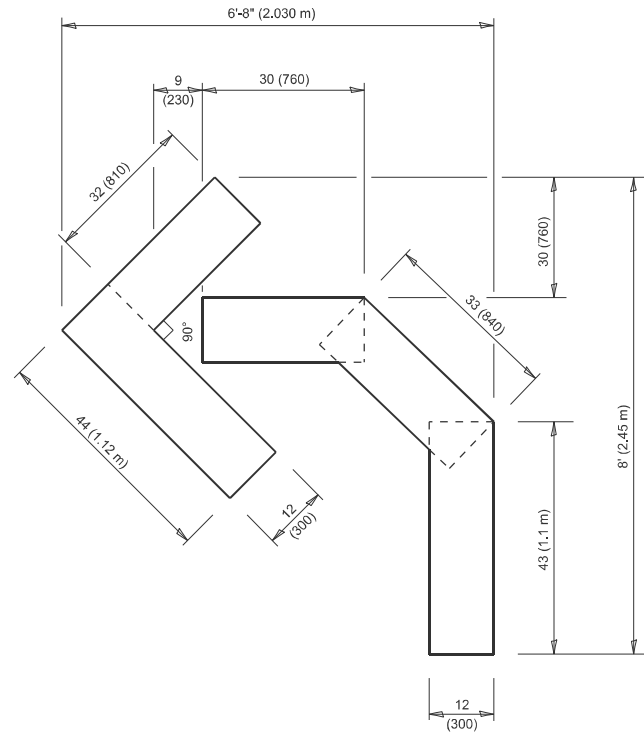
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	52
TC-14		CONTRACT NO. 80B36		
	ILLINOIS	FED. AID PROJECT		

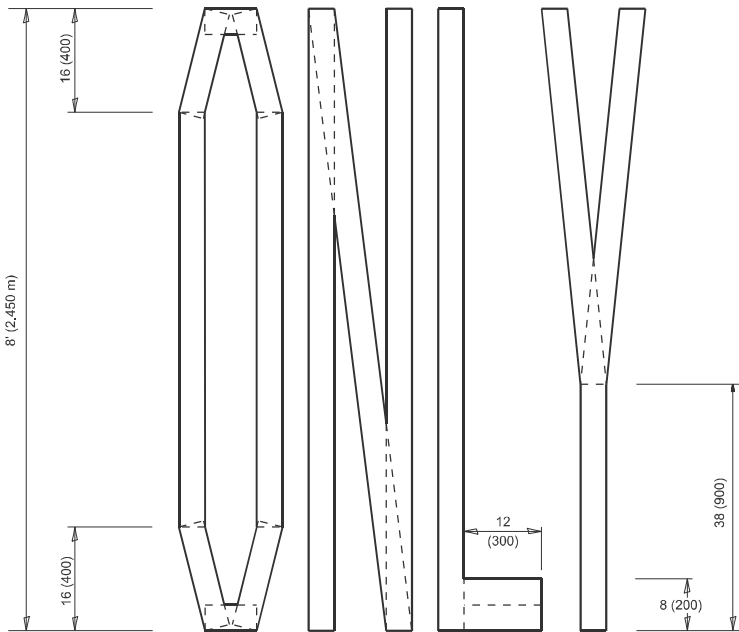
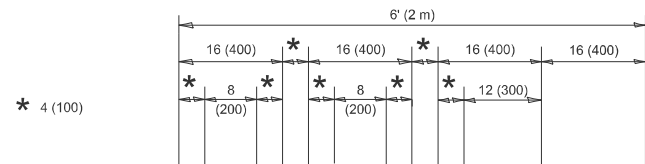
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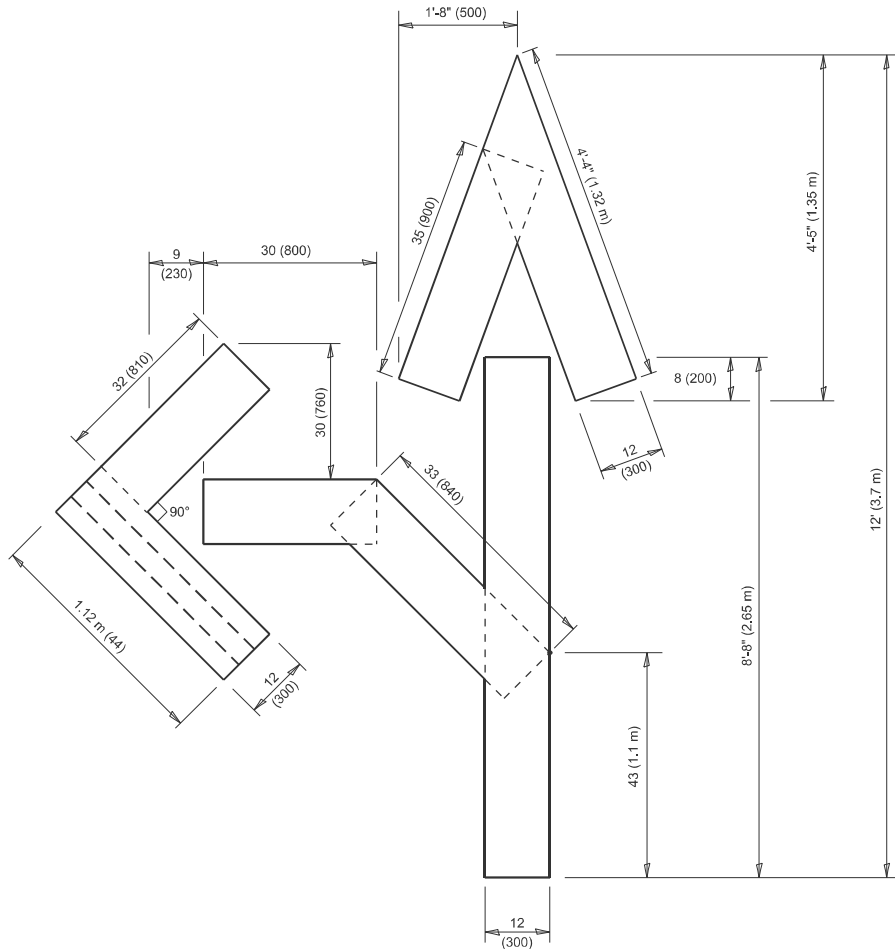
QUANTITY

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)

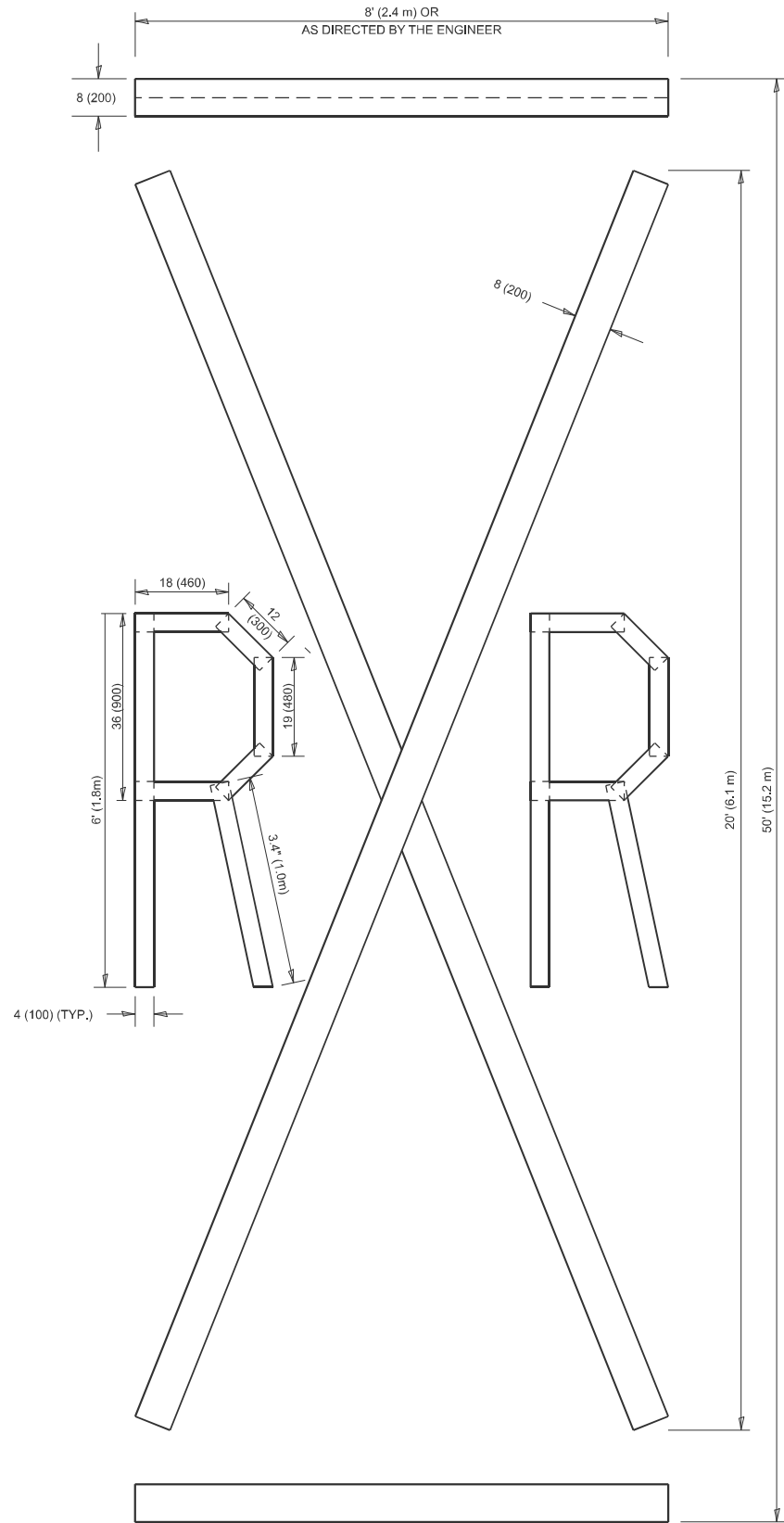


QUANTITY

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.

USER NAME	= Eric.L.Thomas	DESIGNED	-	REVISED	- T. RAMMACHER 03-02-98
		DRAWN	-	REVISED	- E. GOMEZ 08-28-00
		CHECKED	-	REVISED	- E. GOMEZ 08-28-00
PLOT DATE	= 8/20/2024	DATE	- 09-18-94	REVISED	- A. SCHUETZE 09-15-16

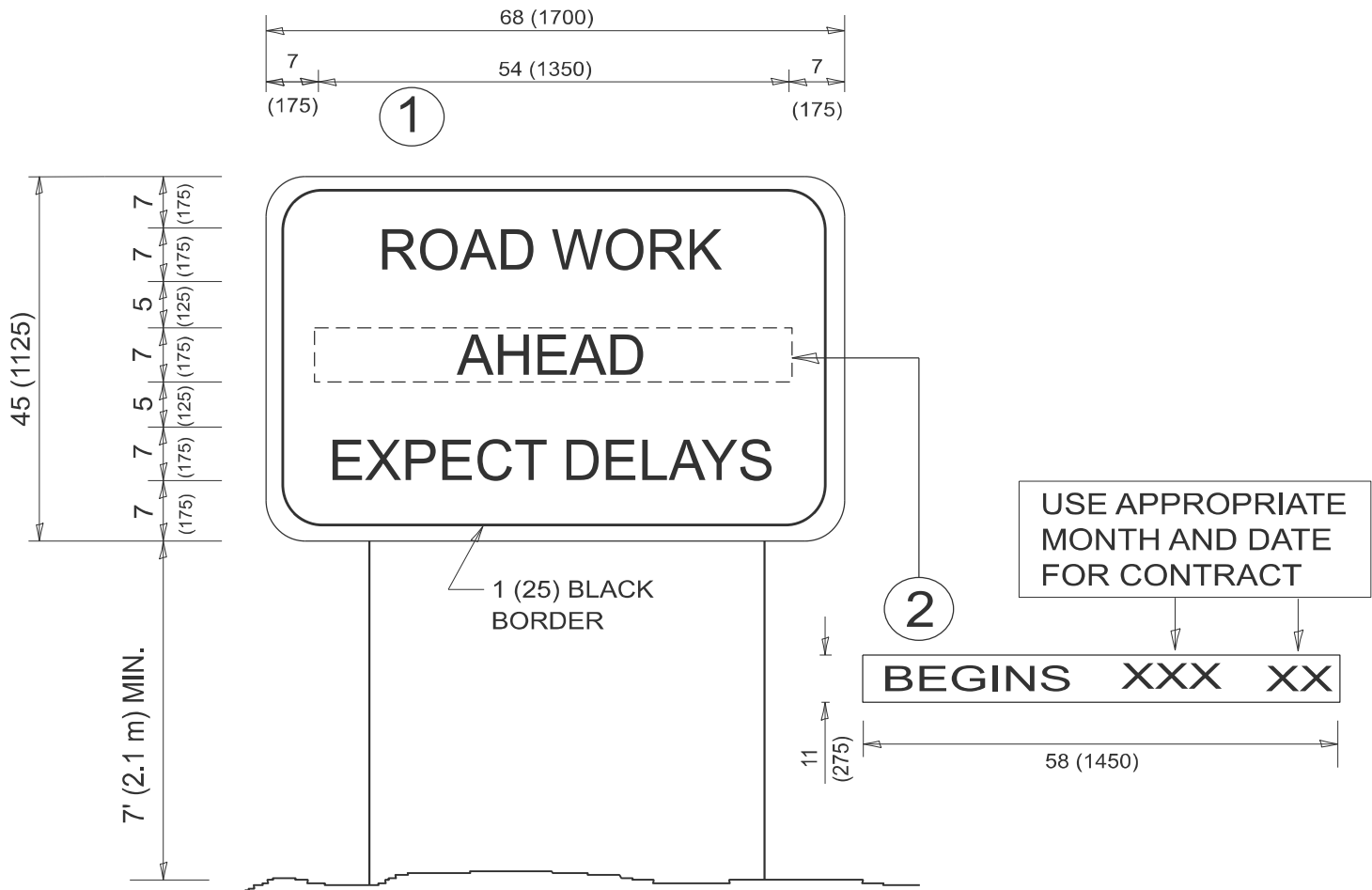
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	53
TC-16		CONTRACT NO. 80B36		
		ILLINOIS	FED. AID PROJECT	

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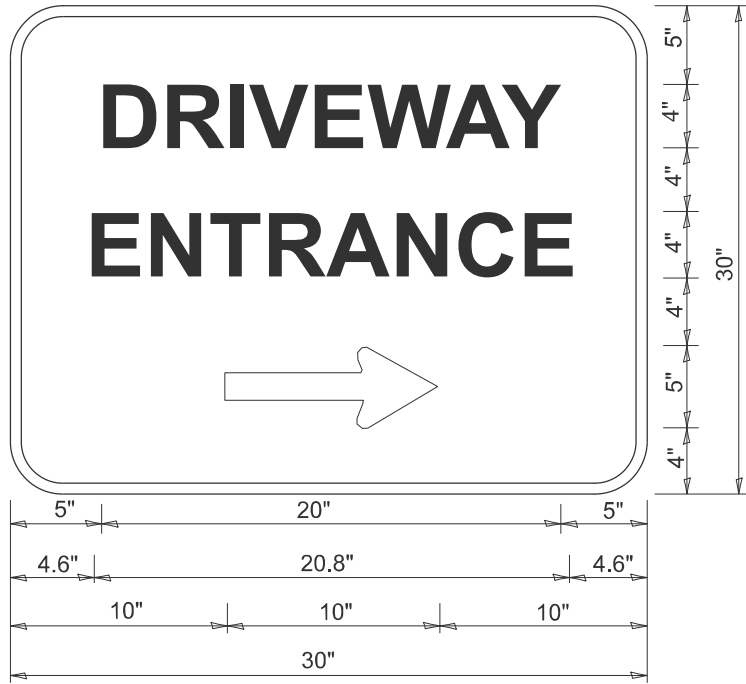
NOTES:

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 = Eric.L.Thomas	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97							330	2025-1088-RS	WILL	56	54
		CHECKED -	REVISED - T. RAMMACHER 02-02-99							TC-22		CONTRACT NO. 80B36		
	PLOT DATE = 8/20/2024	DATE -	REVISED - C. JUCIUS 01-31-07							ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				

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

NOTES:

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

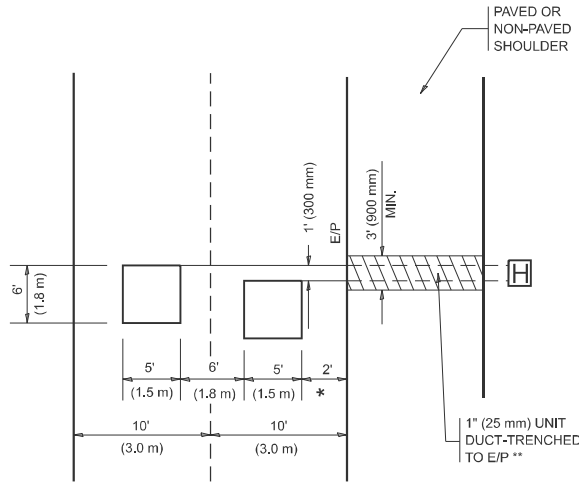
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	COOK	56	55
TC-26		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		

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LOOPS NEXT TO SHOULDERS

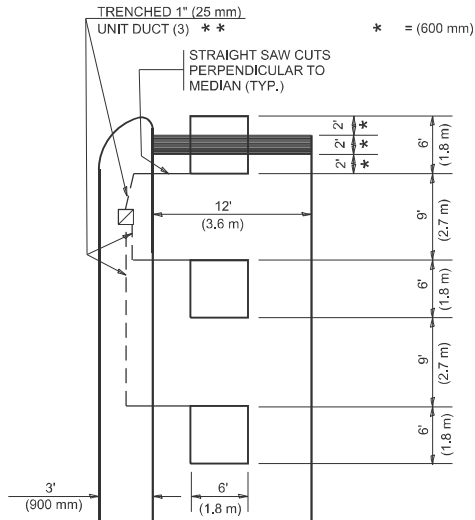
PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.



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

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

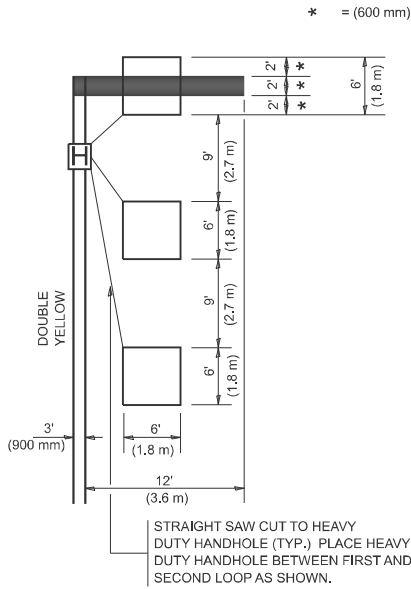
HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



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

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

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

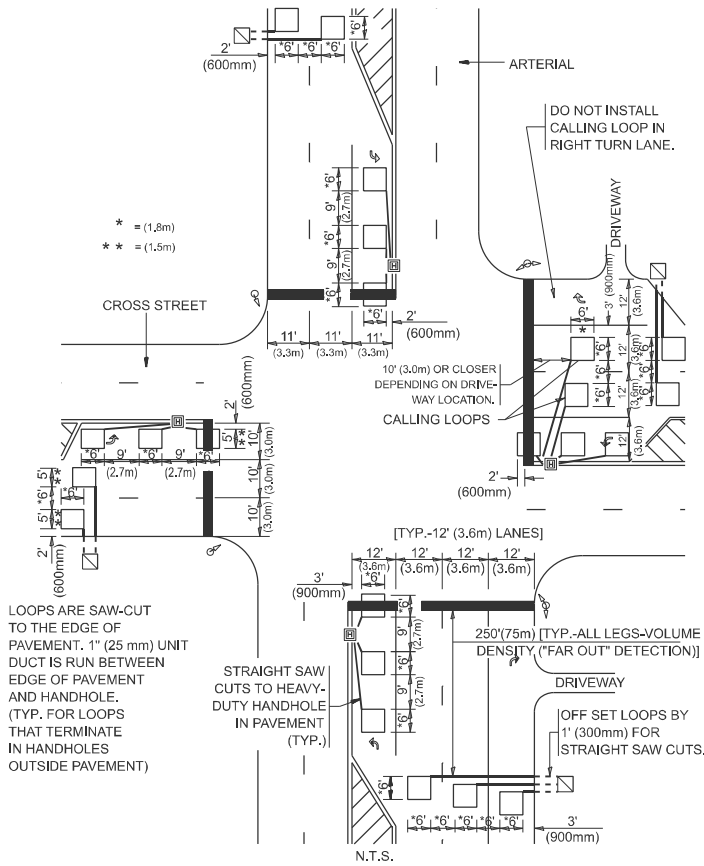
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

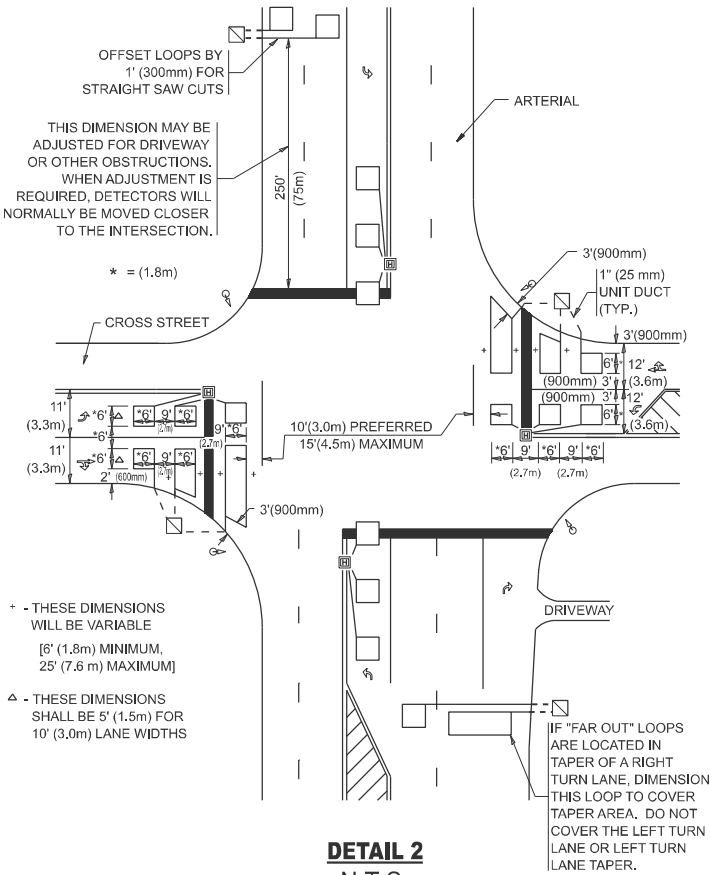
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	2025-1088-RS	WILL	56	56
TS-07		CONTRACT NO. 80B36		
ILLINOIS		FED. AID PROJECT		