

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	1
		ILLINOIS	CONTRACT NO. 80B09	

FOR INDEX OF SHEETS, SEE SHEET NO.

THE PROJECT IS LOCATED IN:  
THE VILLAGE OF ELK GROVE

TRAFFIC DATA:

ILLINOIS 83 (BUSSE ROAD)  
2025 - ADT: 30,500 - 41,900  
SPEED LIMIT: 45 MPH  
OTHER PRINCIPAL ARTERIAL

PROPOSED  
HIGHWAY PLANS

F.A.P. ROUTE 344B (BUSSE ROAD)  
DEVON AVENUE TO COMMERCE DRIVE  
SECTION : 2025-1097-RS  
PROJECT: NHPP-UVVT(240)  
STANDARD OVERLAY AND ADA IMPROVEMENTS  
COOK COUNTY

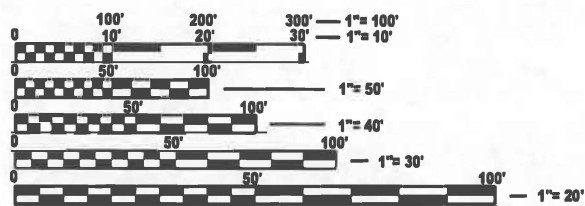
C-91-242-25



RESURFACING OMISSION  
STA 28+41.79 TO STA 28+49.77

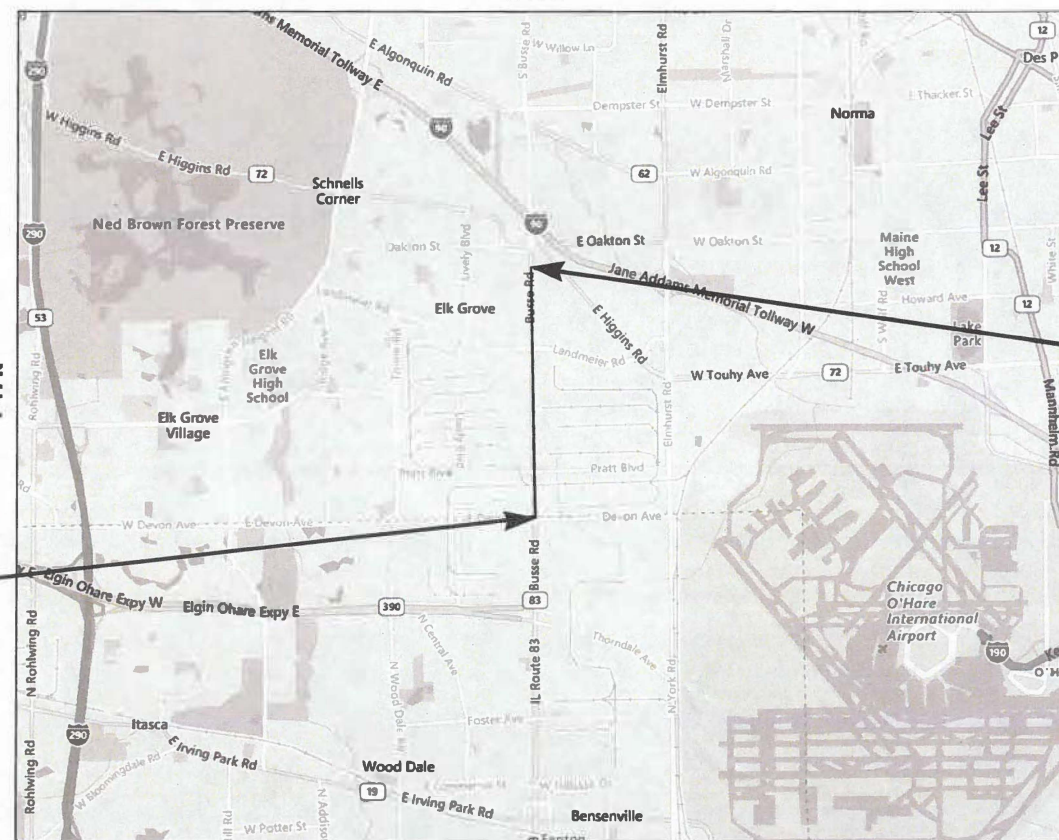
PROJECT ENDS  
STA 112+81.65

PROJECT BEGINS  
STA 15+98.74



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

ELK GROVE TOWNSHIP  
GROSS LENGTH = 9,682.91 FT. = 1.834 MILE  
NET LENGTH = 9,674.93 FT. = 1.832 MILE

CONTRACT NO. 80B09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 28<sup>th</sup> 2026  
Jane Riser REGIONAL ENGINEER

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

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

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
20200100	EARTH EXCAVATION	CU YD	80	80					
20800150	TRENCH BACKFILL	CU YD	16	16					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	494	494					
25200110	SODDING, SALT TOLERANT	SQ YD	494	494					
25200200	SUPPLEMENTAL WATERING	UNIT	4.9	4.9					
28100107	STONE RIPRAP, CLASS A4	SQ YD	22	22					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	120	120					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	74011	74011					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	44728	44728					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	171.1	171.1					
40600405	MATERIAL TRANSFER DEVICE	TON	11620	11620					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	722	722					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	272	272					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	5381	5381					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	14	14					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1488	1488					
40605036	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "F", N80	TON	11620	11620					
42000060	WELDED WIRE REINFORCEMENT	SQ YD	45	45					
42001300	PROTECTIVE COAT	SQ YD	1172	1172					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	40	40					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4721	4721					
42400800	DETECTABLE WARNINGS	SQ FT	230	230					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	13285	13285					
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	100788	100788					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	160	160					
44000600	SIDEWALK REMOVAL	SQ FT	4708	4708					
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SQ YD	1937	1937					
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	45	45					
44201299	DOWEL BARS 1 1/2"	EACH	20	20					
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	3	3					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1738	1738					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	36	36					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	160	160					
44213200	SAW CUTS	FOOT	138	138					
44213204	TIE BARS 3/4"	EACH	34	34					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	213.4	213.4					
50102400	CONCRETE REMOVAL	CU YD	1	1					
50105220	PIPE CULVERT REMOVAL	FOOT	80	80					
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2					
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	80	80					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	6	6					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	7	7					

MODEL: SQ001 (Sheet)  
 FILE NAME: c:\pwr\_werk\pwr\work\118410D116225-ahh\SQ001.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	3
CONTRACT NO. 80B09			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5					
60404950	FRAMES AND GRATES, TYPE 24	EACH	1	1					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	4	4					
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.41	1.41					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	80	80					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
* 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	16	16					
67100100	MOBILIZATION	L SUM	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	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					
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	78559	78559					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	6547	6547					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	4252	4252					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	85762	85762					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	13625	13625					
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	800	800					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	10166	10166					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	2236	2236					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	19640	19640					
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2126	2126					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	33821	33821					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6812	6812					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	400	400					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5083	5083					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1118	1118					
* 78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	9060	9060					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	718	718					
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	160	160					
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	9060	9060					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1065	1065					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1065	1065					
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	437	437					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	346			346			
* 81400200	HEAVY-DUTY HANDHOLE	EACH	3			3			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4			4			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1580			1580			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2707			2707			

\* SPECIALTY ITEMS

MODEL: SQ02 (Sheet)  
FILE NAME: c:\pwa\_work\pwa\work\1184100116225-ahh-SQ02.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/22/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>	
<b>ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)</b>	
SCALE:	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	4
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	117			117			
* 87900200	DRILL EXISTING HANDHOLE	EACH	10			10			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3105			3105			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1592			1592			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2			2			
* 89502380	REMOVE EXISTING HANDHOLE	EACH	3			3			
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	1029	1029					
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	7			7			
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	135.1	135.1					
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	3007	3007					
X4400221	CURB REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	119	119					
X4400223	CURB REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1047	1047					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	64	64					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1165	1165					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	870		870				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	12	12					
X6700407	ENGINEER'S FIELD OFFICE, TYPEA (D1)	CAL MO	12	12					
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	438.9	438.9					
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16			16			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28			28			
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	152			152			

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	ROADWAY	TRAFFIC			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	58		58				
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2			2			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
Ø Z0076600	TRAINEES	HOUR	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

MODEL: SQ03 (Sheet)  
 FILE NAME: c:\p\work\kwid\kallorm\118410D116225-ah-SQ03.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

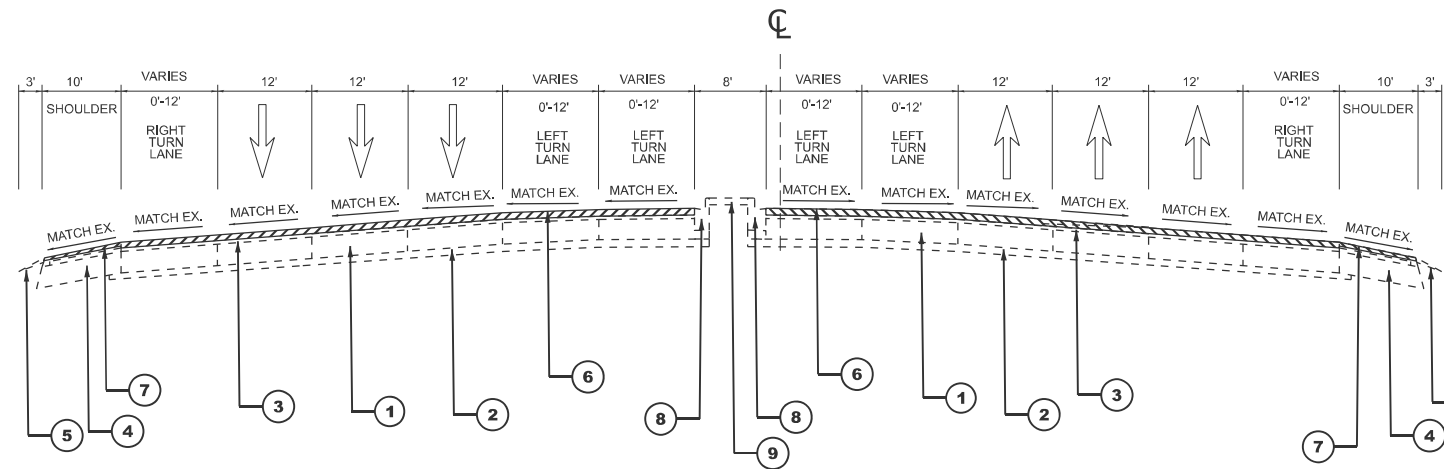
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

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

Ø 0042 • SPECIALTY ITEMS					
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
344B	2025-1097-RS	COOK	60	5	
CONTRACT NO. 80B09					
ILLINOIS FED. AID PROJECT					

IL ROUTE 83



**EXISTING TYPICAL SECTION**

STA 15+98.74 - STA 17+94.53  
 STA 27+28.76 - STA 39+34.94  
 STA 48+48.72 - STA 60+28.89  
 STA 66+63.04 - STA 69+57.23  
 STA 78+71.88 - STA 90+35.83  
 STA 96+39.60 - STA 99+76.25  
 STA 107+01.70 - STA 111+03.43

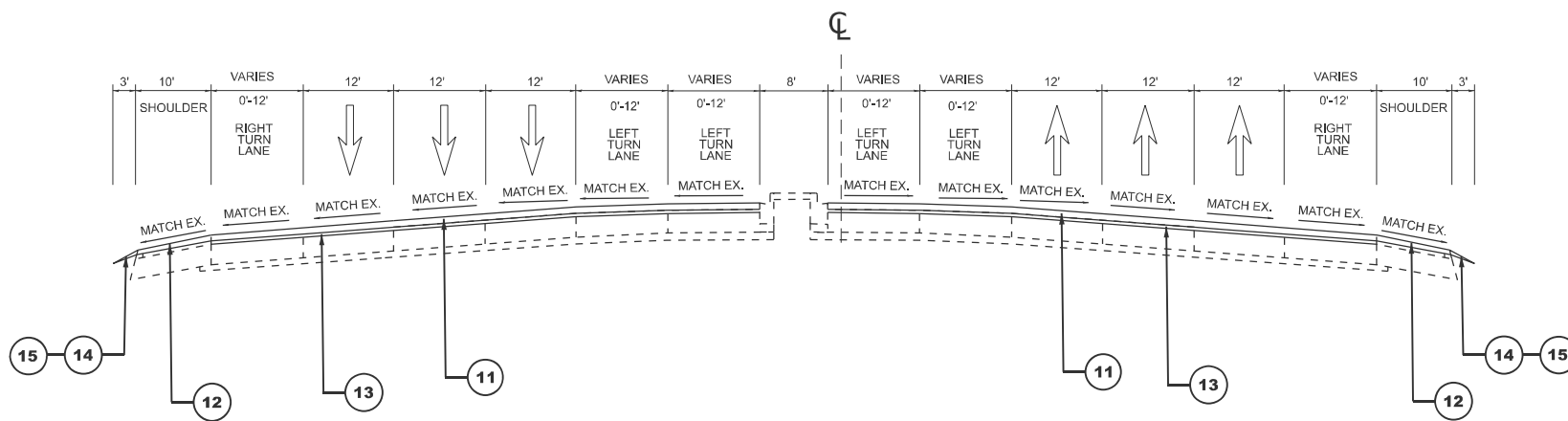
**LEGEND - EXISTING**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, ± 10"
- ② STABILIZED SUB-BASE, 4"
- ③ HMA BEFORE MILLING, ± 3"
- ④ STABILIZED SHOULDER BEFORE MILLING, 10"
- ⑤ AGGREGATE SHOULDER, TYPE B
- ⑥ HMA SURFACE REMOVAL, ± 3"
- ⑦ HMA SURFACE REMOVAL, ± 2"
- ⑧ COMBINATION CONCRETE CURB AND GUTTER
- ⑨ CONCRETE MEDIAN
- ⑩ LANDSCAPE MEDIAN

**LEGEND - PROPOSED**

- ⑪ POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
- ⑫ HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- ⑬ POLY HMA BINDER COURSE, IL-4.75, N50, 1"
- ⑭ GRADING AND SHAPING SHOULDERS
- ⑮ AGGREGATE WEDGE SHOULDER, TYPE B

IL ROUTE 83



**PROPOSED TYPICAL SECTION**

STA 15+98.74 - STA 17+94.53  
 STA 27+28.76 - STA 39+34.94  
 STA 48+48.72 - STA 60+28.89  
 STA 66+63.04 - STA 69+57.23  
 STA 78+71.88 - STA 90+35.83  
 STA 96+39.60 - STA 99+76.25  
 STA 107+01.70 - STA 111+03.43

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP	MTD REQUIRED? (YES/NO)
MIXTURE TYPE	AIR VOIDS @ Ndesign		
<b>PAVEMENT RESURFACING (MAINLINE)</b>			
POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2" (NOTE 5)	3.5% @ 80 Gyr.	PFP	YES
POLY HMA BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 Gyr.	QCP	NO
<b>SHOULDER</b>			
HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	QCP	NO
<b>PATCHING</b>			
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 90 Gyr.	QC/QA	NO
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	4% @ 90 Gyr.	QC/QA	NO
<b>DRIVEWAYS</b>			
HOT-MIX ASPHALT SURFACE COURSE, (IL-9.5 mm), MIX "D", N50, 2"	4% @ 50 Gyr.	QC/QA	NO
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER) (IL-19.0 mm); CE - 8"	4% @ 50 Gyr.	QC/QA	NO

**QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)**

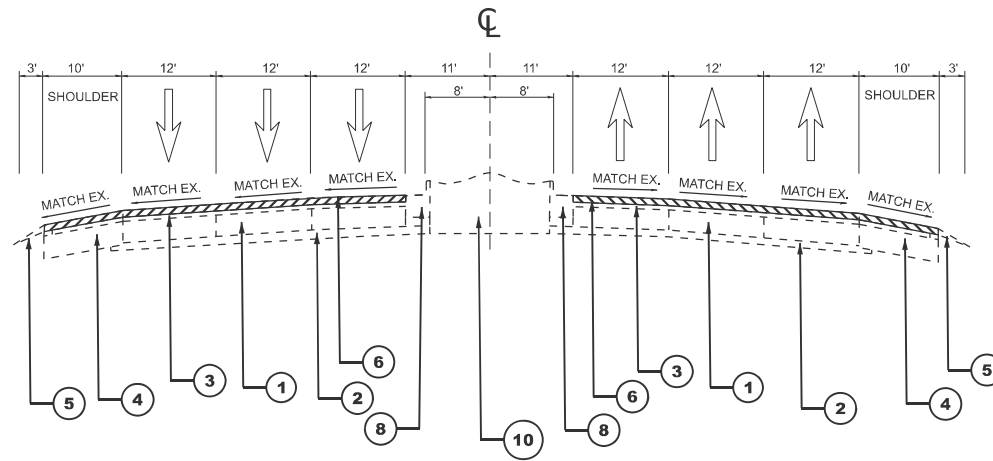
**NOTES:**

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- NOTE 3: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE. FOR SB SEGMENT REQUIRING TWO LIFTS OF SURFACE MIX, PLACE LONGITUDINAL JOINT SEALANT BETWEEN THE TWO LIFTS OF P HMA SC SMA 12.5 MIX F N80."
- NOTE 4: THE CONTRACTOR SHALL PERFORM THE PAVEMENT PATCHING OPERATION FIRST BEFORE PERFORMING THE HMA SURFACE REMOVAL OPERATION. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22) FOR ADDITIONAL INFORMATION.
- NOTE 5: SEE PLANS FOR WORK ON IL 83 SB THAT WILL REQUIRE 4" OF POLY HMA SC SMA 12.5 MIX F N80 PLACED IN 2 LIFTS.

MODEL: Typical Sections 1 [Sheet]  
 FILE NAME: c:\p\work\project\118410\116225-sh-typical.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL SECTIONS ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)</b>		F.A.P RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 6	
PLOT DATE = 1/22/2026	DRAWN -	REVISED -		SCALE:	SHEET 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 80B09				
	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -									

IL ROUTE 83



**EXISTING TYPICAL SECTION**

STA 17+94.53- STA 27+28.76  
 STA 39+34.94 - STA 48+48.72  
 STA 60+28.89 - STA 66+63.04  
 STA 69+57.23 - STA 78+71.88  
 STA 90+35.83 - STA 96+39.60  
 STA 99+76.25 - STA 107+01.70  
 STA 111+03.43 - STA 112+81.65

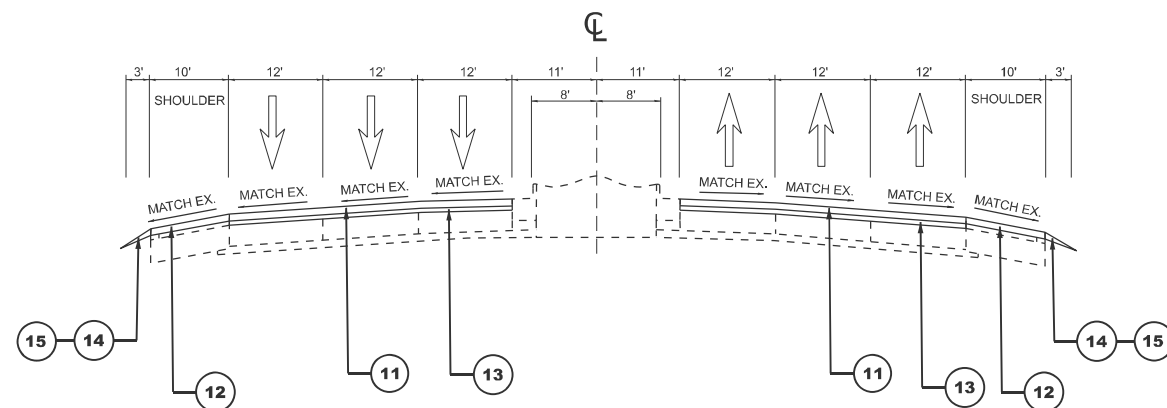
**LEGEND - EXISTING**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, ± 10"
- ② STABILIZED SUB-BASE, 4"
- ③ HMA BEFORE MILLING, ± 3"
- ④ STABILIZED SHOULDER BEFORE MILLING, 10"
- ⑤ AGGREGATE SHOULDER, TYPE B
- ⑥ HMA SURFACE REMOVAL, ± 3"
- ⑦ HMA SURFACE REMOVAL, ± 2"
- ⑧ COMBINATION CONCRETE CURB AND GUTTER
- ⑨ CONCRETE MEDIAN
- ⑩ LANDSCAPE MEDIAN

**LEGEND - PROPOSED**

- ⑪ POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"
- ⑫ HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- ⑬ POLY HMA BINDER COURSE, IL-4.75, N50, 1"
- ⑭ GRADING AND SHAPING SHOULDERS
- ⑮ AGGREGATE WEDGE SHOULDER, TYPE B

IL ROUTE 83



**PROPOSED TYPICAL SECTION**

STA 17+94.53- STA 27+28.76  
 STA 39+34.94 - STA 48+48.72  
 STA 60+28.89 - STA 66+63.04  
 STA 69+57.23 - STA 78+71.88  
 STA 90+35.83 - STA 96+39.60  
 STA 99+76.25 - STA 107+01.70  
 STA 111+03.43 - STA 112+81.65

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

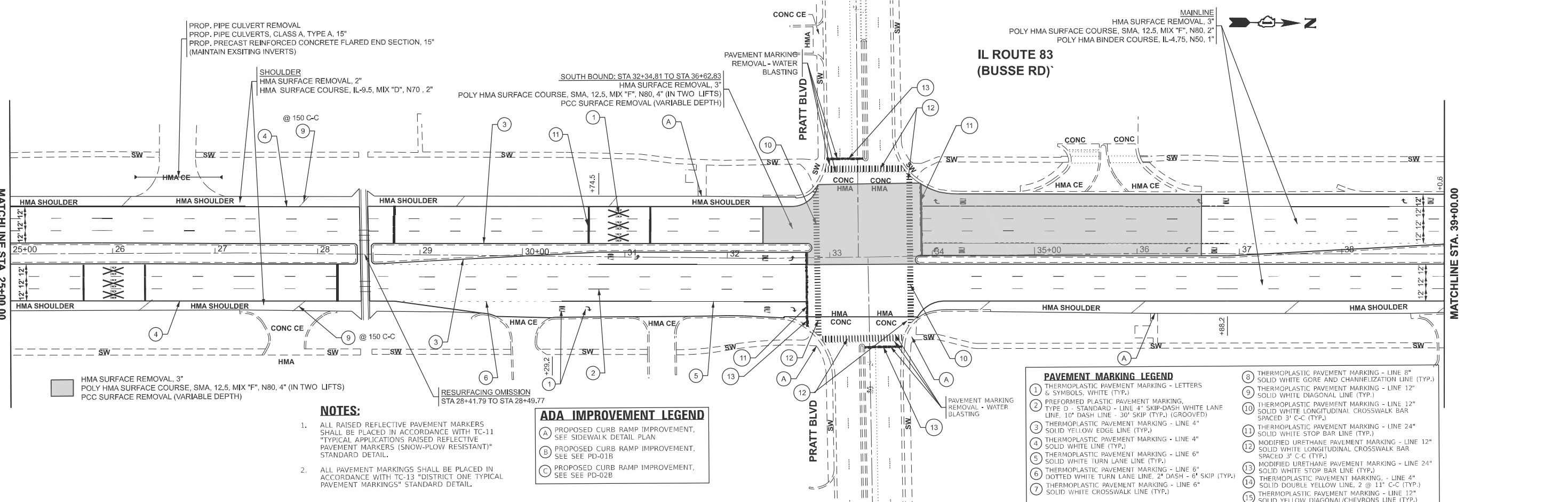
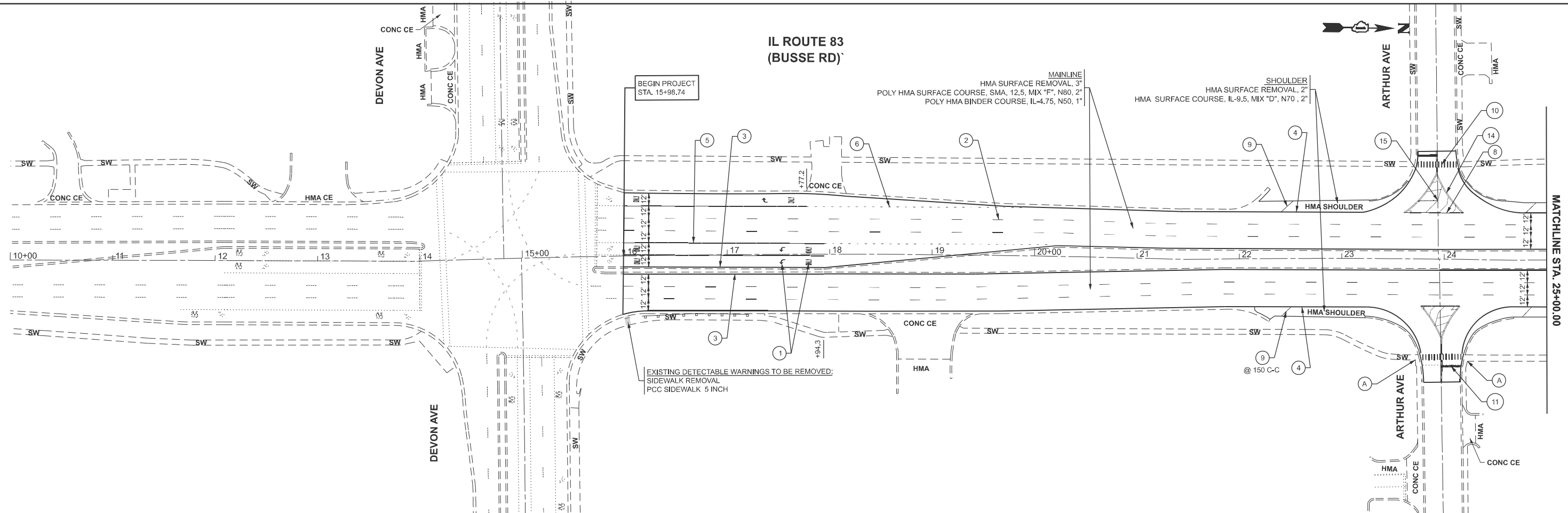
EXISTING AND PROPOSED TYPICAL SECTIONS  
 ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	7
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

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

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**IL ROUTE 83  
(BUSSE RD)**



HMA SURFACE REMOVAL, 3"  
POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 4" (IN TWO LIFTS)  
PCC SURFACE REMOVAL (VARIABLE DEPTH)

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

- ADA IMPROVEMENT LEGEND**
- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
  - (B) PROPOSED CURB RAMP IMPROVEMENT, SEE SEE PD-01B
  - (C) PROPOSED CURB RAMP IMPROVEMENT, SEE SEE PD-02B

- PAVEMENT MARKING LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE (TYP.)
  - 2 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4" SKIP-DASH WHITE LANE LINE, 10" DASH LINE - 30' SKIP (TYP.), (GROOVED)
  - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW EDGE LINE (TYP.)
  - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE LINE (TYP.)
  - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
  - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" DOTTED WHITE TURN LANE LINE, 2" DASH - 6" SKIP (TYP.)
  - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
  - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" SOLID WHITE GORE AND CHANNELIZATION LINE (TYP.)
  - 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID WHITE DIAGONAL LINE (TYP.)
  - 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID WHITE LONGITUDINAL CROSSWALK BAR SPACED 3' C-C (TYP.)
  - 11 THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE STOP BAR LINE (TYP.)
  - 12 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" SOLID WHITE LONGITUDINAL CROSSWALK BAR SPACED 3' C-C (TYP.)
  - 13 MODIFIED URETHANE PAVEMENT MARKING - LINE 24" SOLID WHITE STOP BAR LINE (TYP.)
  - 14 THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DOUBLE YELLOW LINE, 2 @ 11" C-C (TYP.)
  - 15 THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW DIAGONAL/CHEVRONS LINE (TYP.)

MODEL - EXCL - Plan-5 (Sheet)  
FILE NAME: c:\pdk\_work\dwg\dot\kabr\m\1118410\116225-shp\plan.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/22/2026	DATE -	REVISED -

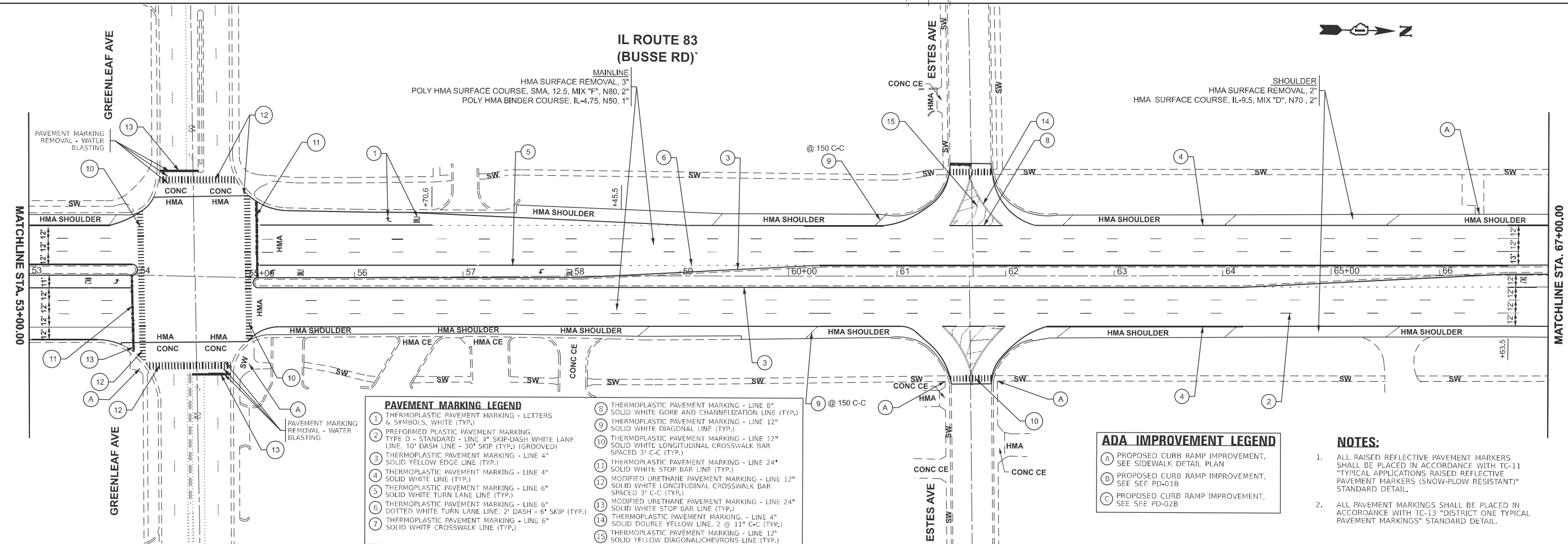
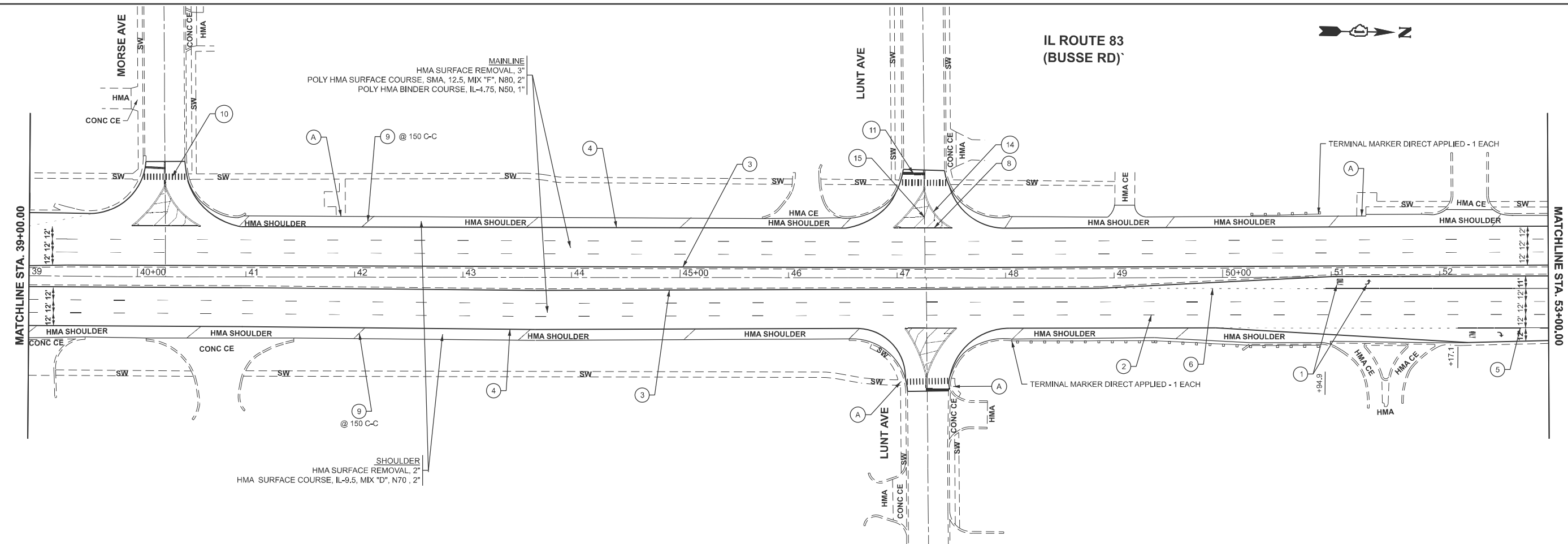
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 10+00.00 TO STA. 39+00.00

F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 8
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

IL ROUTE 83  
(BUSSE RD)



**PAVEMENT MARKING LEGEND**

1	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE (TYP.)	8	THERMOPLASTIC PAVEMENT MARKING - LINE 8" SOLID WHITE GORE AND CHANNELIZATION LINE (TYP.)
2	PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4" SKIP-DASH WHITE LANE LINE, 10' DASH LINE - 30' SKIP (TYP.) (GROOVED)	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID WHITE DIAGONAL LINE (TYP.)
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW EDGE LINE (TYP.)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID WHITE LONGITUDINAL CROSSWALK BAR SPACED 3' C-C (TYP.)
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE LINE (TYP.)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE STOP BAR LINE (TYP.)
5	THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE TURN LANE LINE (TYP.)	12	MODIFIED URETHANE PAVEMENT MARKING - LINE 12" SOLID WHITE LONGITUDINAL CROSSWALK BAR SPACED 3' C-C (TYP.)
6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" DOTTED WHITE TURN LANE LINE, 2' DASH - 6' SKIP (TYP.)	13	MODIFIED URETHANE PAVEMENT MARKING - LINE 24" SOLID WHITE STOP BAR LINE (TYP.)
7	THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)	14	THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID DOUBLE YELLOW LINE, 2' @ 11" C-C (TYP.)
		15	THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW DIAGONAL/CHEVRONS LINE (TYP.)

**ADA IMPROVEMENT LEGEND**

A	PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
B	PROPOSED CURB RAMP IMPROVEMENT, SEE SEE PD-01B
C	PROPOSED CURB RAMP IMPROVEMENT, SEE SEE PD-02B

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

MODEL: EXCL - Plan-10 (Sheet)  
FILE NAME: c:\p\work\wv\101\116225-shp\plan.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**  
**ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: 1"=50'    SHEET 2 OF 4 SHEETS    STA. 39+00.00 TO STA. 67+00.00

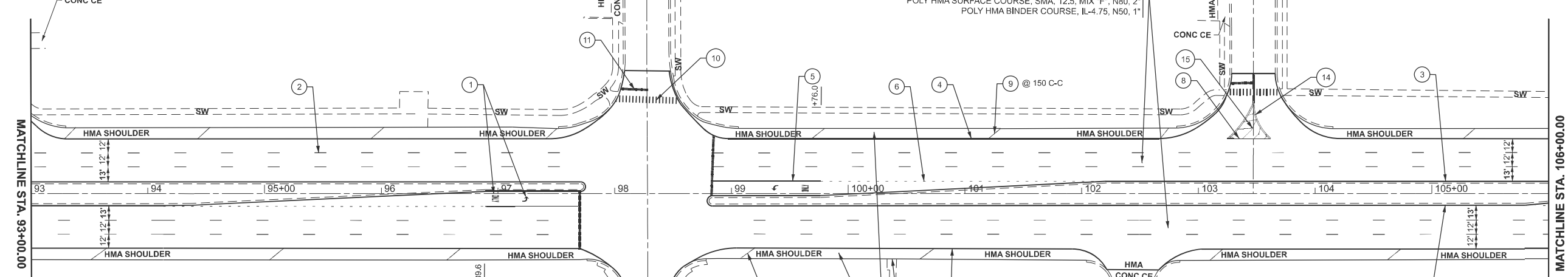
F.A.P RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 9
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				





### IL ROUTE 83 (BUSSE RD)

MAINLINE  
HMA SURFACE REMOVAL, 3"  
POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"  
POLY HMA BINDER COURSE, IL-4.75, N50, 1"



- PAVEMENT MARKING LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS, WHITE (TYP.)
  - ② PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4" SKIP-DASH WHITE LANE LINE, 10' DASH LINE - 30' SKIP (TYP.) (GROOVED)
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID YELLOW EDGE LINE (TYP.)
  - ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SOLID WHITE LINE (TYP.)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE TURN LANE LINE (TYP.)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" DOTTED WHITE TURN LANE LINE, 2" DASH - 6" SKIP (TYP.)
  - ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" SOLID WHITE CROSSWALK LINE (TYP.)
  - ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 8" SOLID WHITE GORE AND CHANNELIZATION LINE (TYP.)
  - ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID WHITE DIAGONAL LINE (TYP.)
  - ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID WHITE LONGITUDINAL CROSSWALK BAR SPACED 3' C-C (TYP.)
  - ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24" SOLID WHITE STOP BAR LINE (TYP.)
  - ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" SOLID WHITE LONGITUDINAL CROSSWALK BAR SPACED 3' C-C (TYP.)
  - ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 24" SOLID WHITE STOP BAR LINE (TYP.)
  - ⑭ THERMOPLASTIC PAVEMENT MARKING, - LINE 4" SOLID DOUBLE YELLOW LINE, 2 @ 11' C-C (TYP.)
  - ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 12" SOLID YELLOW DIAGONAL/CHEVRONS LINE (TYP.)

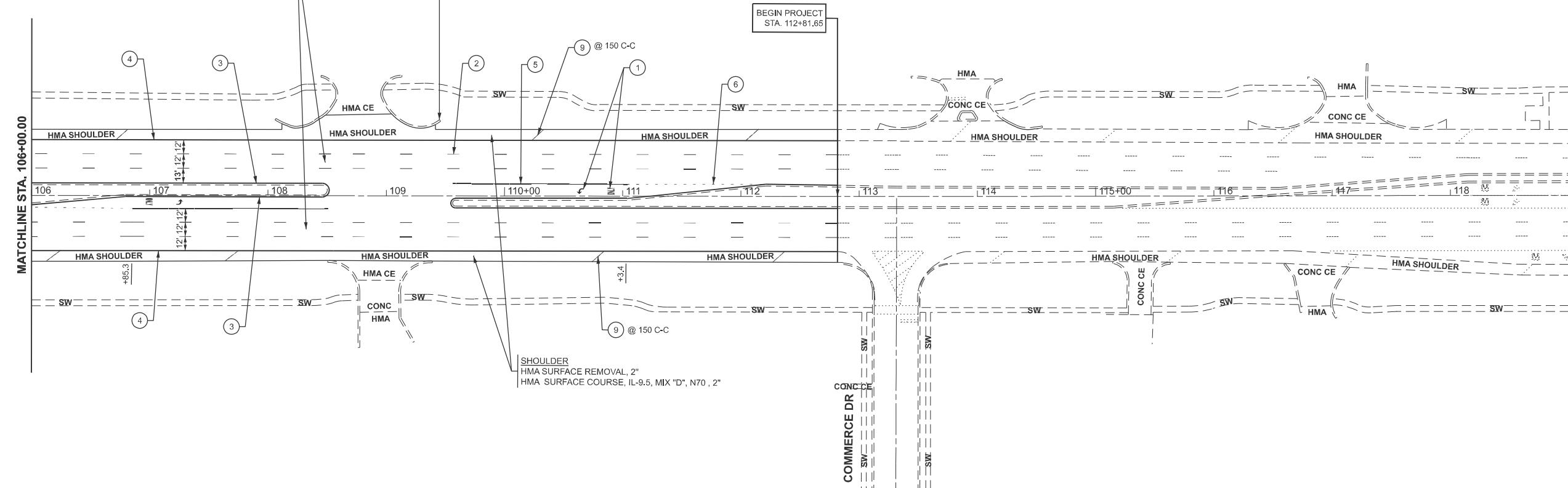
- ADA IMPROVEMENT LEGEND**
- (A) PROPOSED CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
  - (B) PROPOSED CURB RAMP IMPROVEMENT, SEE SEE PD-01B
  - (C) PROPOSED CURB RAMP IMPROVEMENT, SEE SEE PD-02B

- NOTES:**
- ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-FLW RESISTANT)" STANDARD DETAIL.
  - ALL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
  - CONTACT NSMIAWA 48 HOURS IN ADVANCE AT 773.686.0077 FOR ANY WORK WITHIN THE VICINITY OF THE NSMIAWA HIGH PRESSURE WATERMAIN.



### IL ROUTE 83 (BUSSE RD)

MAINLINE  
HMA SURFACE REMOVAL, 3"  
POLY HMA SURFACE COURSE, SMA, 12.5, MIX "F", N80, 2"  
POLY HMA BINDER COURSE, IL-4.75, N50, 1"



MODEL: EXCL - Plan-14 (Sheet)  
FILE NAME: c:\pwworking\skab\118410\116225-shp\plan.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

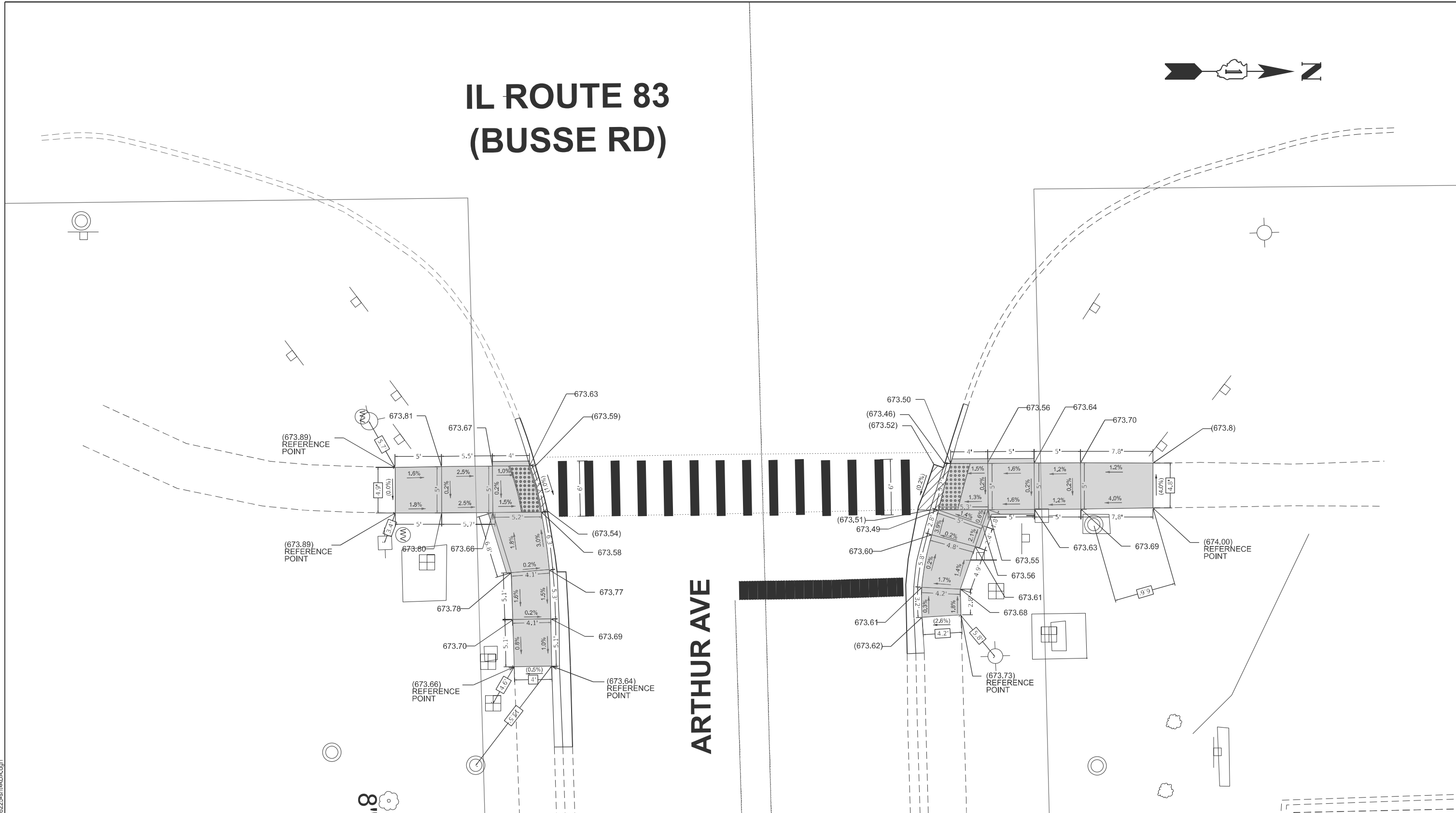
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	11
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 93+00.00 TO STA. 119+00.00

# IL ROUTE 83 (BUSSE RD)



### LEGEND

XX.XX' EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

DEPRESSED CURB & GUTTER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS PLAN SHEET AT BUSSE RD AND ARTHUR AVE  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)

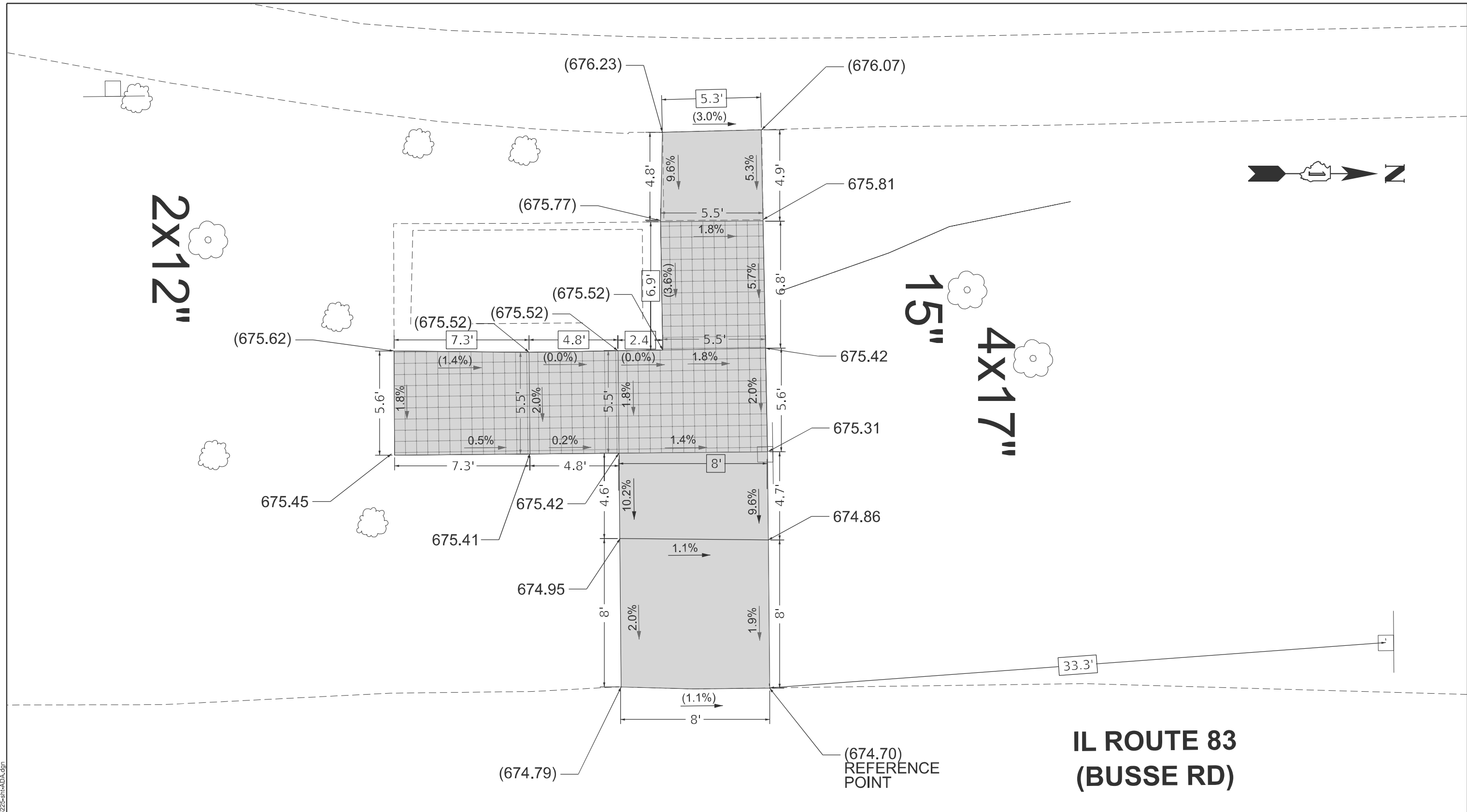
SCALE: SHEET 1 OF 14 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	12
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

MODEL: ADA SHEET 1 (Sheet)  
FILE NAME: c:\p\work\p\w\id\k\ab\m\118410\116225-sh+ADA.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

MODEL: Bus Shelter\_S of Pratt (Sheet)  
 FILE NAME: c:\p\work\pavil\kab\bm111841\0116225-sh1-ADA.dgn



**BM - ELEV. 674.904 "□" SQUARE AT EAST AREA AT POLE LIGHT AT SOUTH OF BUS SHELTER AT BUSSE RD AND PRATT BLVD**

**LEGEND**

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

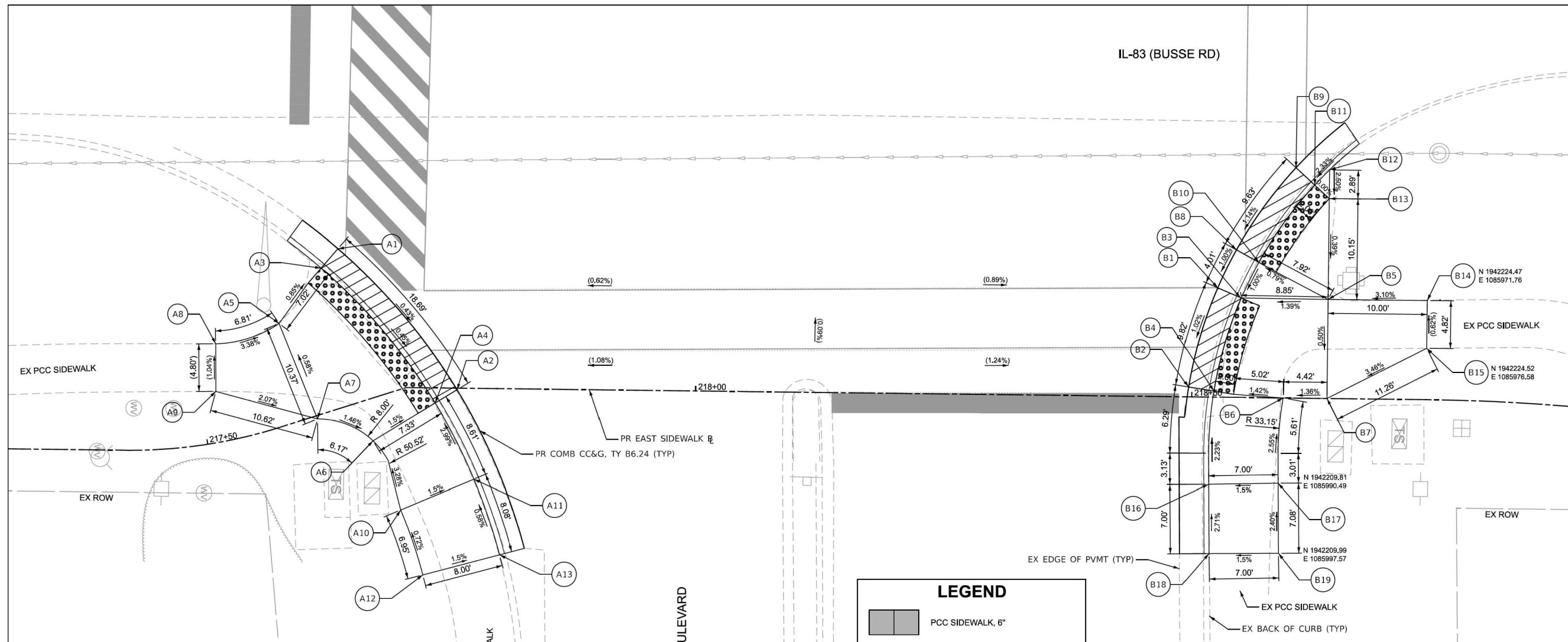
USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS PLAN SHEET AT BUSSE RD AND SOUTH OF PRATT BLVD  
 ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: SHEET 2 OF 14 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	13
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				



**LAYOUT POINTS - SOUTHEAST RAMP**

POINT	NORTHING	EASTING	ELEVATION
A1	1,942,114.58	1,085,968.80	(674.65)
A2	1,942,126.89	1,085,982.77	(674.57)
A3	1,942,112.93	1,085,970.79	674.59
A4	1,942,124.71	1,085,984.16	674.51
A5	1,942,108.81	1,085,976.47	674.65
A6	1,942,118.53	1,085,988.09	674.62
A7	1,942,112.89	1,085,986.01	674.71
A8	1,942,102.46	1,085,978.64	(674.88)
A9	1,942,102.58	1,085,983.44	(674.93)
A10	1,942,121.46	1,085,994.98	674.87
A11	1,942,128.54	1,085,991.22	674.75
A12	1,942,123.82	1,086,001.52	674.92
A13	1,942,131.52	1,085,999.33	(674.80)

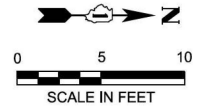
**LAYOUT POINTS - NORTHEAST RAMP**

POINT	NORTHING	EASTING	ELEVATION
B1	1,942,203.32	1,085,970.91	(674.57)
B2	1,942,200.59	1,085,980.97	(674.47)
B3	1,942,205.63	1,085,971.85	674.51
B4	1,942,203.15	1,085,981.34	674.41
B5	1,942,214.48	1,085,972.99	674.62
B6	1,942,210.14	1,085,981.89	674.51
B7	1,942,214.56	1,085,981.85	674.57
B8	1,942,205.13	1,085,967.05	674.61
B9	1,942,210.96	1,085,958.65	674.72
B10	1,942,207.41	1,085,968.26	674.55
B11	1,942,212.89	1,085,960.37	674.66
B12	1,942,214.36	1,085,958.81	674.71
B13	1,942,214.39	1,085,961.70	674.66
B14	1,942,224.47	1,085,971.76	(674.93)
B15	1,942,224.52	1,085,976.58	(674.96)
B16	1,942,202.80	1,085,990.74	674.62
B17	1,942,209.81	1,085,990.49	674.73
B18	1,942,202.99	1,085,997.74	(674.79)
B19	1,942,209.99	1,085,997.57	674.90

**LEGEND**

- PCC SIDEWALK, 6"
- DETECTABLE WARNINGS
- DEPRESSED CURB
- (123.45) EXISTING SLOPE OR DIMENSION
- 123.45 PROPOSED SLOPE OR DIMENSION

- NOTES:
- ALL PROPOSED EDGE OF PAVEMENT GRADES SHALL MATCH EXISTING PAVEMENT ELEVATIONS.
  - ALL CURB AND GUTTER RADII SHALL MATCH THE EXISTING RADIUS ALONG THE EXISTING PAVEMENT EDGE UNLESS OTHERWISE NOTED IN THE PLANS.
  - ALL CURB AND GUTTERS SHALL BE PER HIGHWAY STANDARD 606001 EXCEPT FOR THE LAST 3 FEET ON EACH END, WHICH SHALL BE USED TO TRANSITION TO MATCH THE EXISTING CURB AND GUTTER.
  - REFER TO PLAN & PROFILE SHEETS FOR ADDITIONAL DESIGN INFORMATION.
  - REFER TO REMOVAL PLAN SHEETS FOR INFORMATION ON ELEMENTS TO BE REMOVED, RELOCATED, OR ADJUSTED.
  - REFER TO ALIGNMENT & BENCHMARK SHEETS FOR CONTROL POINT AND BENCHMARK INFORMATION.



**HRGreen.com**  
 #194601322  
 #194601322

USER NAME = nparrts	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/1/2025	DATE -	REVISED -

**ELK GROVE VILLAGE  
 PUBLIC WORKS DEPARTMENT**

**ADA GRADING & LAYOUT PLANS - EAST PATH  
 IL ROUTE 83 (BUSSE ROAD) MULTI-USE PATH**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK/DUPAGE	200	68
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: ADA Village Design at Pratt (Sheet)  
 FILE NAME: c:\pwworking\hokcalor\m11\841\01\16225-sh1-ADA.dgn

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS PLAN SHEET AT BUSSE RD AND PRATT BLVD  
 ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	14
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

# IL ROUTE 83 (BUSSE RD)

(674.54)

(674.59)

8'  
(0.6%)

10.6'

1.6%

10.6'

1.2%

674.74

674.71

674.82

5.7'

6.3'

8'

674.72

1.4%

0.5%

0.1%

18"

5.6'

1.6%

5.5'

1.3%

5.4'

1.7%

5.4'

1.7%

674.81

(1.8%)

(0.2%)

(0.0%)

0.2%

(674.91)

5.7'

6.2'

2.4'

5.5'

(674.81)

(674.8)

(674.80)

7'

(3.2%)

2.7%

(675.00)  
REFERENCE POINT

(675.03)  
REFERENCE POINT

5.5'

5.6'

WV

**BM - ELEV. 676.652 NORTH EAST BOLT AT FH NEAR BUS SHELTER AT NORTH EAST CORNER OF BUSSE RD AND PRATT BLVD.**

### LEGEND

xx.xx' EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

REMOVE AND REINSTALL BRICK PAVER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA DETAILS PLAN SHEET AT BUSSE RD AND NORTH OF PRATT BLVD  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	15
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

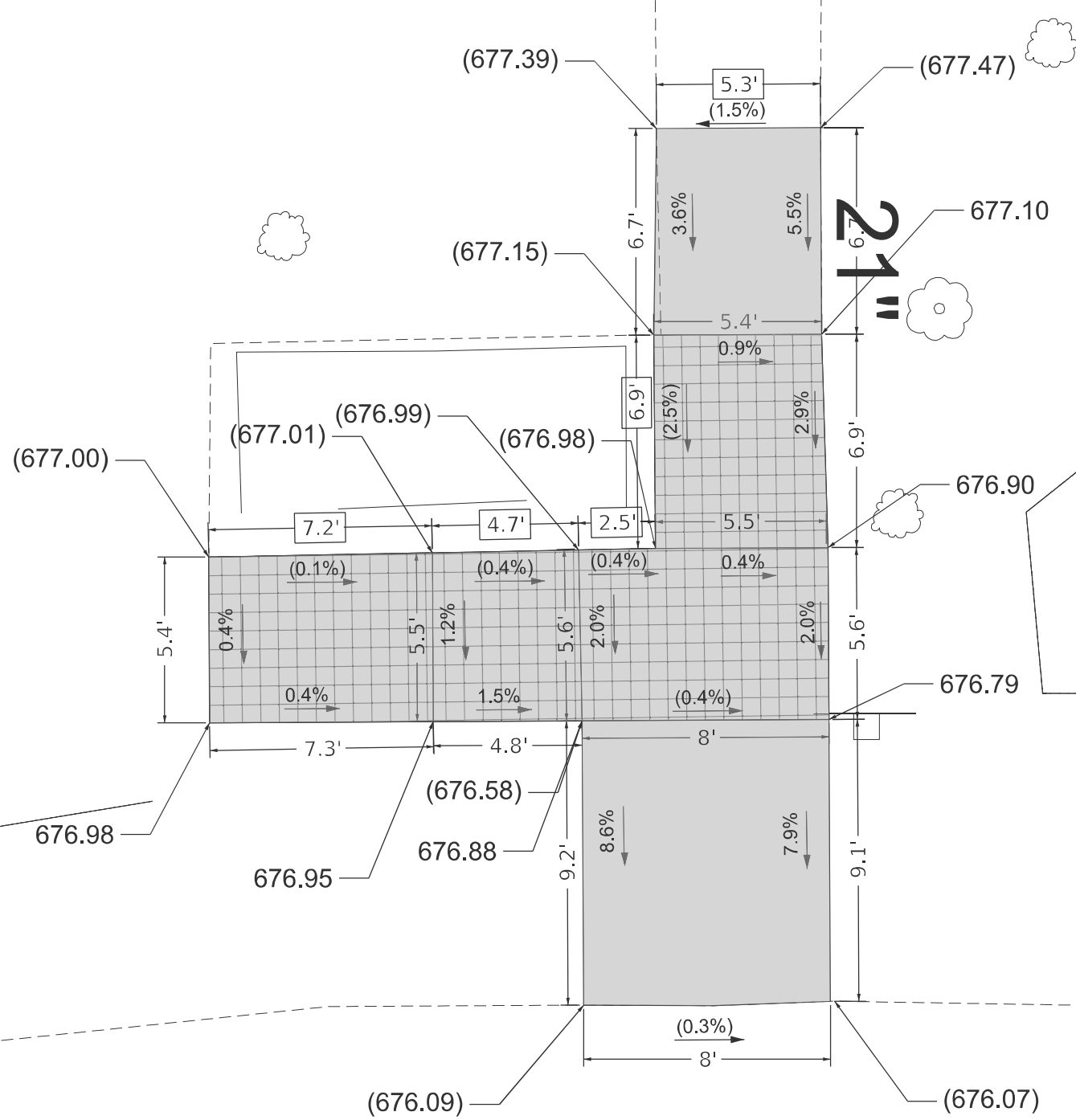
SCALE: SHEET 4 OF 14 SHEETS STA. 0+00.00 TO STA. 0+00.00

MODEL: Bus Shelter N of Pratt (Sheet)  
FILE NAME: c:\p\work\pav\l\ab\m\118410\116225-sh+ADA.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/22/2026	DATE -	REVISED -



3X15"



**IL ROUTE 83  
(BUSSE RD)**

**BM - ELEV. 678.921 NORTH WEST BOLT AT FH AT  
SOUTH WEST CORNER OF MORSE AVE AND BUSSE RD.**

**LEGEND**

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- REMOVE AND REINSTALL BRICK PAVER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

MODEL: Bus Shelter N of Morse (Sheet)  
FILE NAME: c:\p\work\pavil\abrm\118410\116225-sh1-ADA.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS PLAN SHEET AT BUSSE RD AND NORTH OF MORSE AVE  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: SHEET 5 OF 14 SHEETS STA. 0+00.00 TO STA. 0+00.00

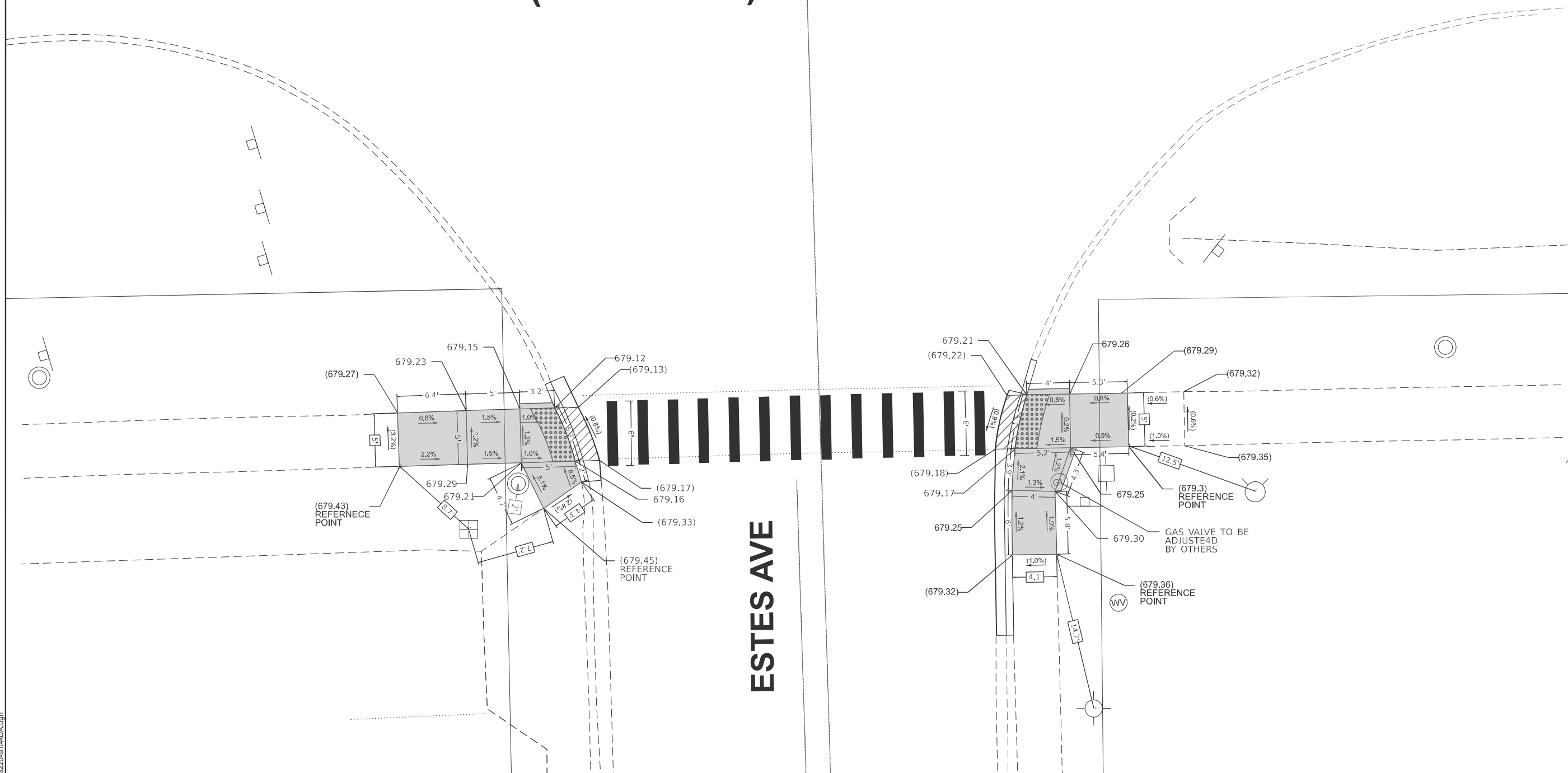
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	16
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				







# IL ROUTE 83 (BUSSE RD)



**ESTES AVE**

**BM - ELEV 681.099 NORTH WEST BOLT AT FH  
AT SOUTH WEST CORNER OF BUSSE RD AND ESTES AVE**

**LEGEND**

XX.XX' EXISTING LENGTH

PROPOSED SIDE CURB

( ) EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

DEPRESSED CURB & GUTTER

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS PLAN SHEET AT BUSSE RD AND ESTES AVE  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: SHEET 9 OF 14 SHEETS STA. 0+00.00 TO STA. 0+00.00

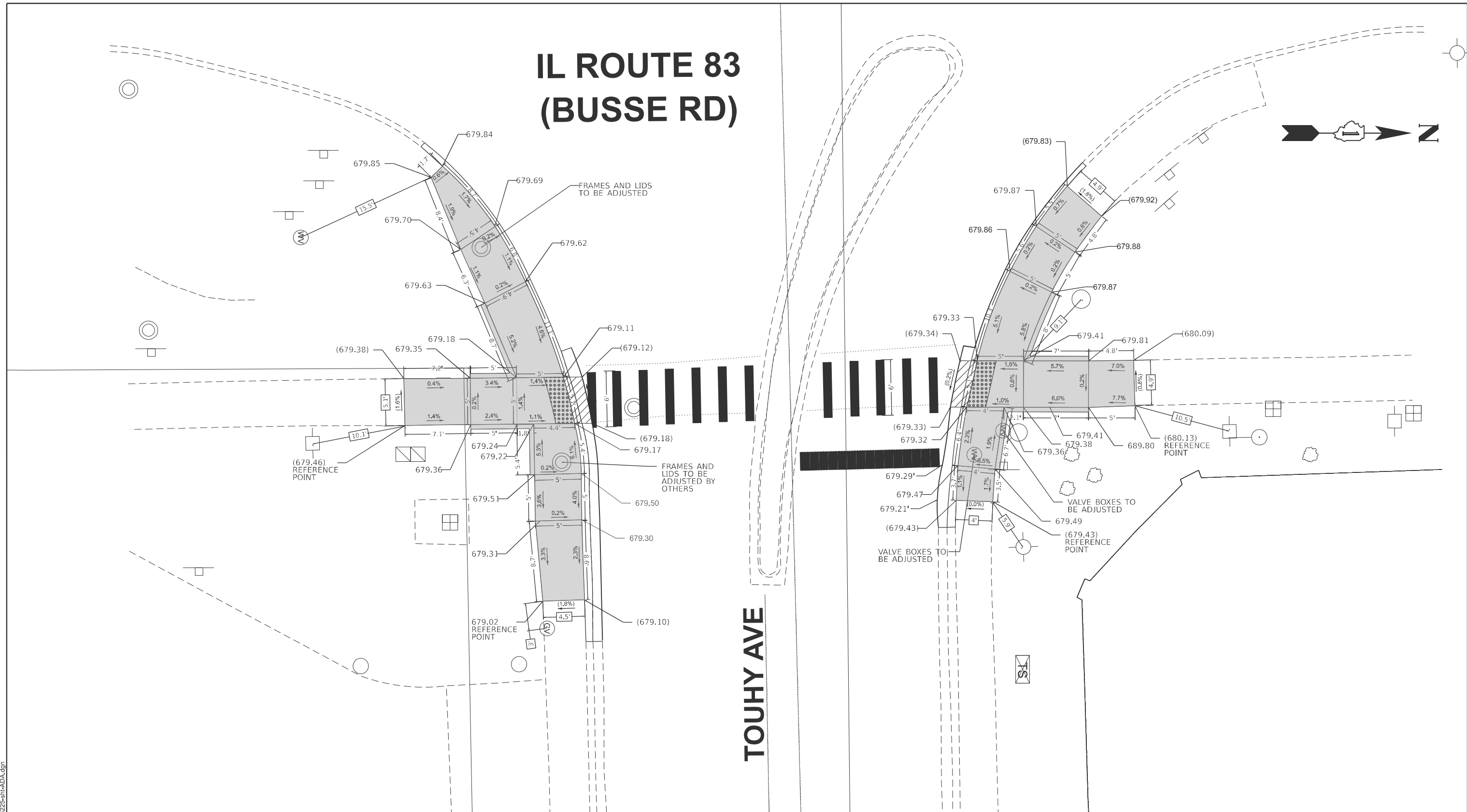
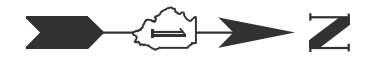
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	20
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

MODEL: ADA SHEET 3 (Sheet)  
FILE NAME: c:\p\work\p\w\118410\116225-sh1-ADA.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -



# IL ROUTE 83 (BUSSE RD)



**TOUHY AVE**

**BM - ELEV. 680.303 "■" SQUARE AT NORTH WEST CORNER  
AT TCB AT NORTH EAST CORNER OF TOUHY AVE  
AND BUSSE RD**

**LEGEND**

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

- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD

MODEL: ADA SHEET 4 (Sheet)  
FILE NAME: c:\p\work\pwr\ada\form\118410\116225-sh1-ADA.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

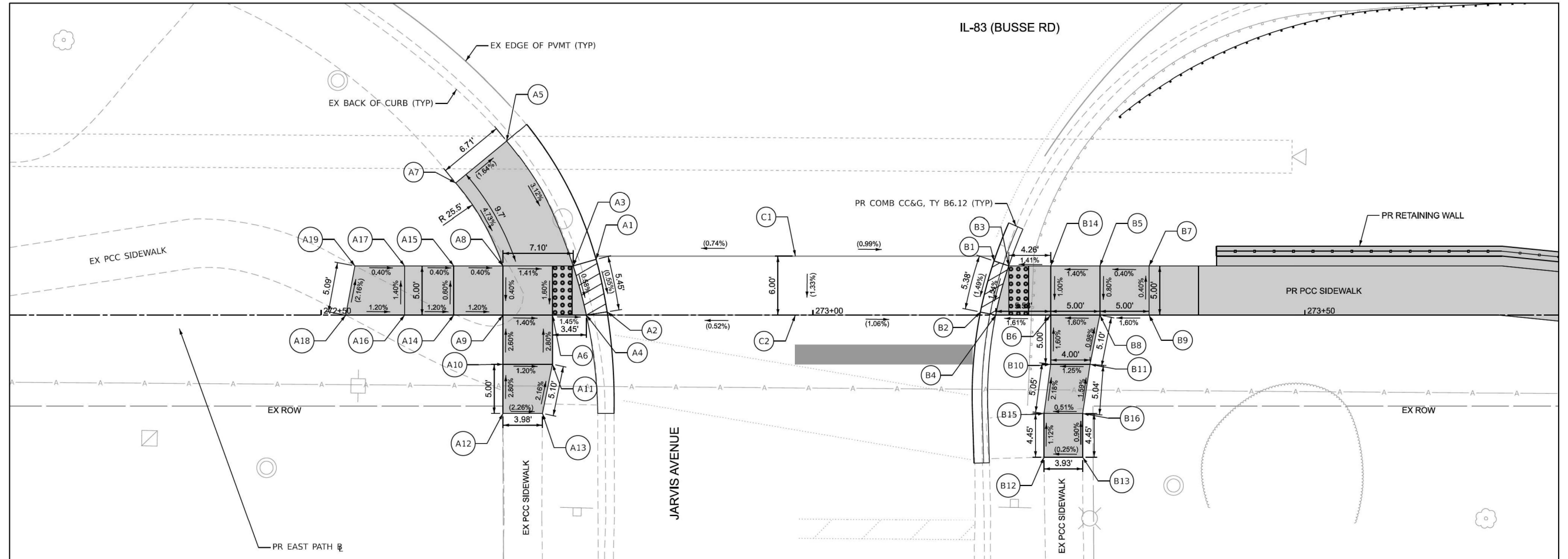
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS PLAN SHEET AT BUSSE RD AND TOUHY AVE  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: SHEET 11 OF 14 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	22
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				





**LAYOUT POINTS - SOUTHEAST RAMP**

POINT	NORTHING	EASTING	ELEVATION
A1	1,947,623.55	1,085,879.62	(676.05)
A2	1,947,624.40	1,085,884.96	(676.02)
A3	1,947,621.23	1,085,880.32	675.99
A4	1,947,622.68	1,085,885.30	675.96
A5	1,947,614.23	1,085,867.82	(676.44)
A6	1,947,619.23	1,085,885.37	676.01
A7	1,947,609.14	1,085,872.20	(676.55)
A8	1,947,614.13	1,085,880.47	676.09
A9	1,947,614.23	1,947,614.23	676.08
A10	1,947,614.34	1,085,890.47	676.21
A11	1,947,619.33	1,085,890.37	676.15
A12	1,947,614.44	1,085,895.47	(676.35)
A13	1,947,618.42	1,085,895.39	(676.26)
A14	1,947,609.23	1,085,885.57	676.14
A15	1,947,609.13	1,085,880.57	676.11
A16	1,947,604.23	1,085,885.68	676.20
A17	1,947,604.13	1,085,880.68	676.13
A18	1,947,598.24	1,085,885.80	(676.26)
A19	1,947,599.07	1,085,880.78	(676.15)

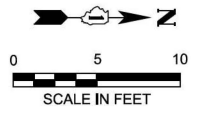
**LEGEND**

	PCC SIDEWALK, 6"
	DETECTABLE WARNINGS
	DEPRESSED CURB
(123.45)	EXISTING SLOPE OR DIMENSION
123.45	PROPOSED SLOPE OR DIMENSION

- NOTES:**
1. ALL PROPOSED EDGE OF PAVEMENT GRADES SHALL MATCH EXISTING PAVEMENT ELEVATIONS.
  2. ALL CURB AND GUTTER RADII SHALL MATCH THE EXISTING RADIUS ALONG THE EXISTING PAVEMENT EDGE UNLESS OTHERWISE NOTED IN THE PLANS.
  3. ALL CURB AND GUTTERS SHALL BE PER HIGHWAY STANDARD 606001 EXCEPT FOR THE LAST 3 FEET ON EACH END, WHICH SHALL BE USED TO TRANSITION TO MATCH THE EXISTING CURB AND GUTTER.
  4. REFER TO PLAN & PROFILE SHEETS FOR ADDITIONAL DESIGN INFORMATION.
  5. REFER TO REMOVAL PLAN SHEETS FOR INFORMATION ON ELEMENTS TO BE REMOVED, RELOCATED, OR ADJUSTED.
  6. REFER TO ALIGNMENT & BENCHMARK SHEETS FOR CONTROL POINT AND BENCHMARK INFORMATION.

**LAYOUT POINTS - NORTHEAST RAMP**

POINT	NORTHING	EASTING	ELEVATION
B1	1,947,664.02	1,085,878.94	(676.00)
B2	1,947,662.74	1,085,884.16	(675.92)
B3	1,947,665.53	1,085,879.41	675.99
B4	1,947,664.32	1,085,884.44	675.91
B5	1,947,674.79	1,085,879.22	676.12
B6	1,947,669.89	1,085,884.32	676.00
B7	1,947,679.79	1,085,879.12	676.14
B8	1,947,674.89	1,085,884.22	676.08
B9	1,947,679.89	1,085,884.12	676.16
B10	1,947,669.99	1,085,889.32	676.08
B11	1,947,673.99	1,085,889.24	676.13
B12	1,947,669.51	1,085,898.78	(676.24)
B13	1,947,673.45	1,085,898.70	(676.25)
B14	1,947,669.79	1,085,879.32	676.05
B15	1,947,669.42	1,085,894.33	676.19
B16	1,947,673.35	1,085,894.25	676.21



MODEL: ADA Village Design at Jarvis (Sheet)  
 FILE NAME: c:\p\work\ada\kalom\118410\118225-sh1-ADA.dgn

MODEL: East ADA SH - 26 (Sheet)  
 FILE NAME: 2022030-sh1-ADA\_est.dgn



USER NAME = rparis	DESIGNED -	REVISED -
PLOT SCALE = 0.18666633' / in.	DRAWN -	REVISED -
PLOT DATE = 12/1/2025	CHECKED -	REVISED -
	DATE -	REVISED -

**ELK GROVE VILLAGE  
PUBLIC WORKS DEPARTMENT**

**ADA GRADING & LAYOUT PLANS - EAST PATH  
IL ROUTE 83 (BUSSE ROAD) MULTI-USE PATH**

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK/DUPAGE	201	72
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

USER NAME = Rana.Kalo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS PLAN SHEET AT BUSSE RD AND JARVIS AVE  
ILLINOIS ROUTE 83 (BUSSE ROAD) (DEVON AVENUE TO COMMERCE DRIVE)**

SCALE: SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	24
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				



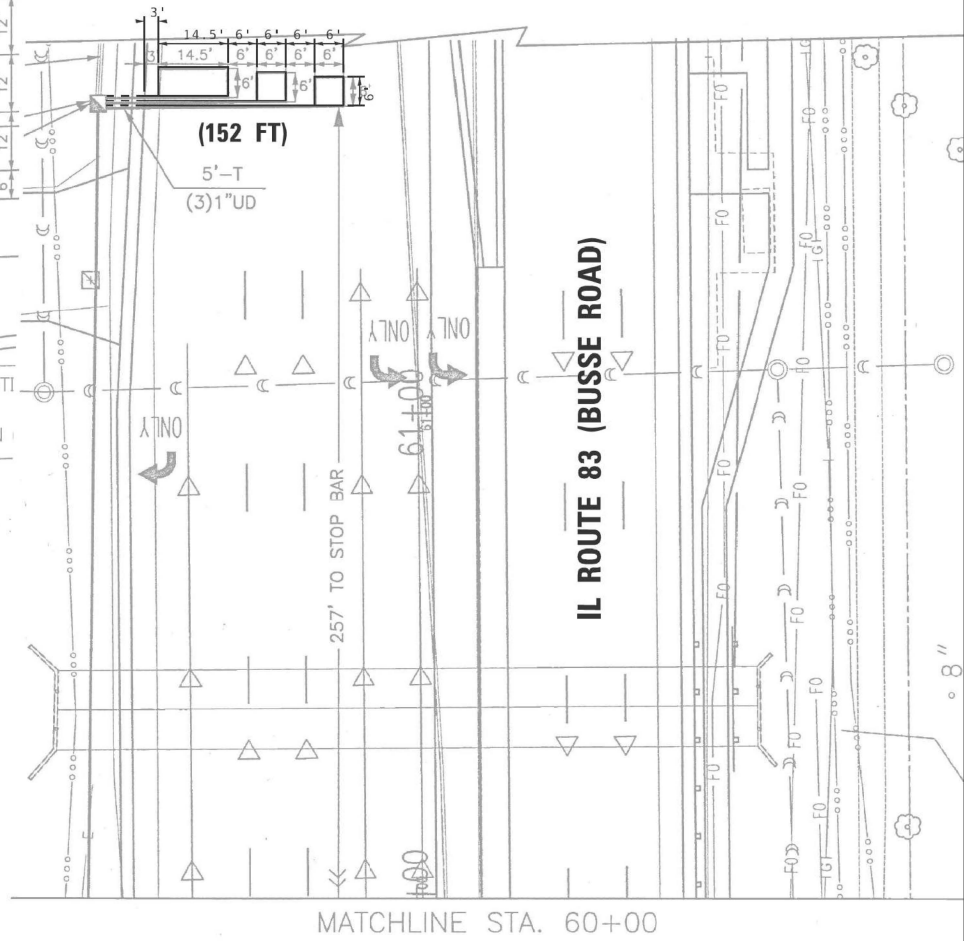
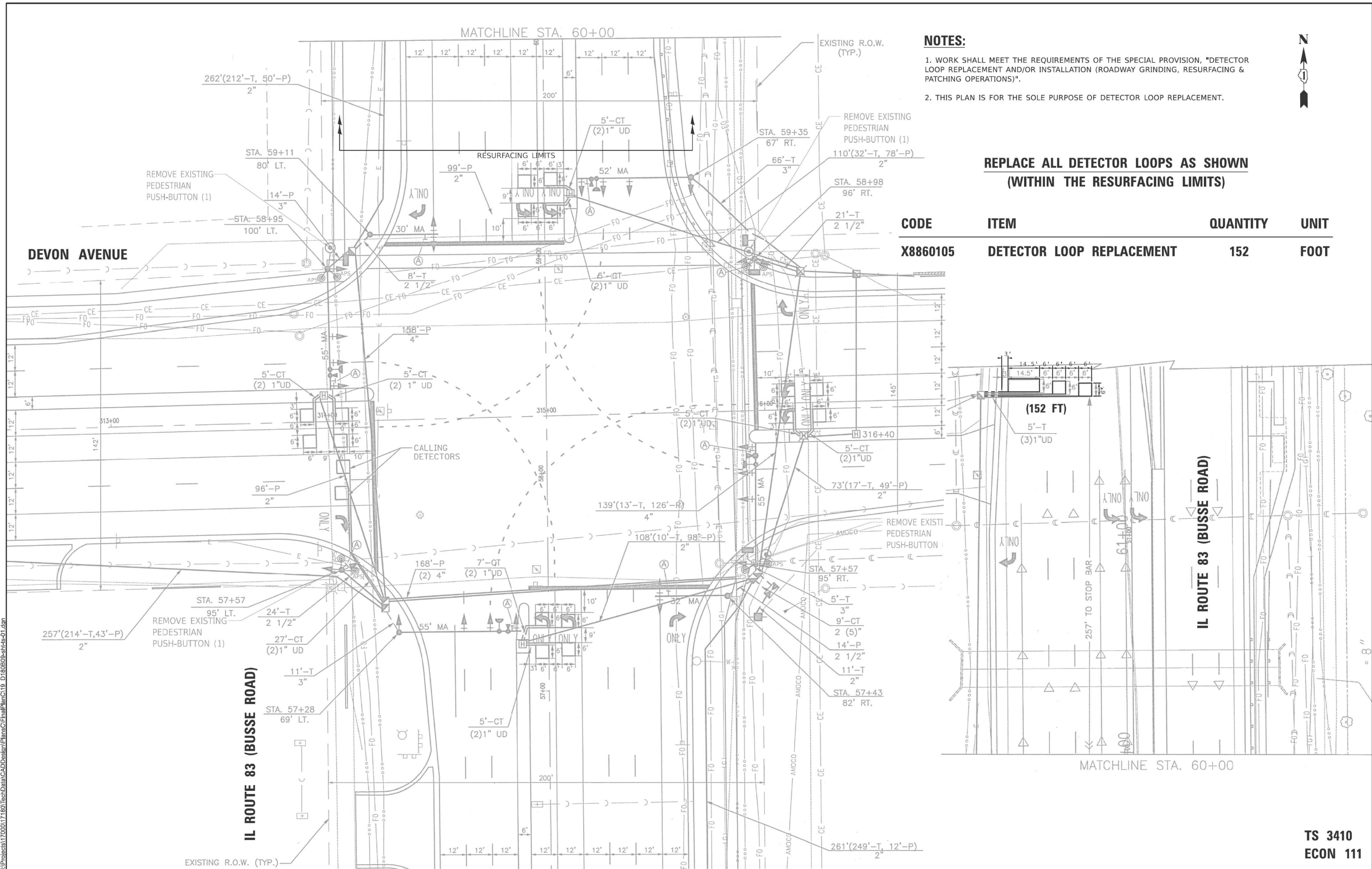


**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

**REPLACE ALL DETECTOR LOOPS AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	152	FOOT



MODEL: D:\m\h...  
 FILE NAME: ...  
 PROJECT: ...

USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
IL ROUTE 83 (BUSSE RD) AT DEVON AVE**

SCALE: 1"=20' SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 26
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

**TS 3410  
ECON 111**



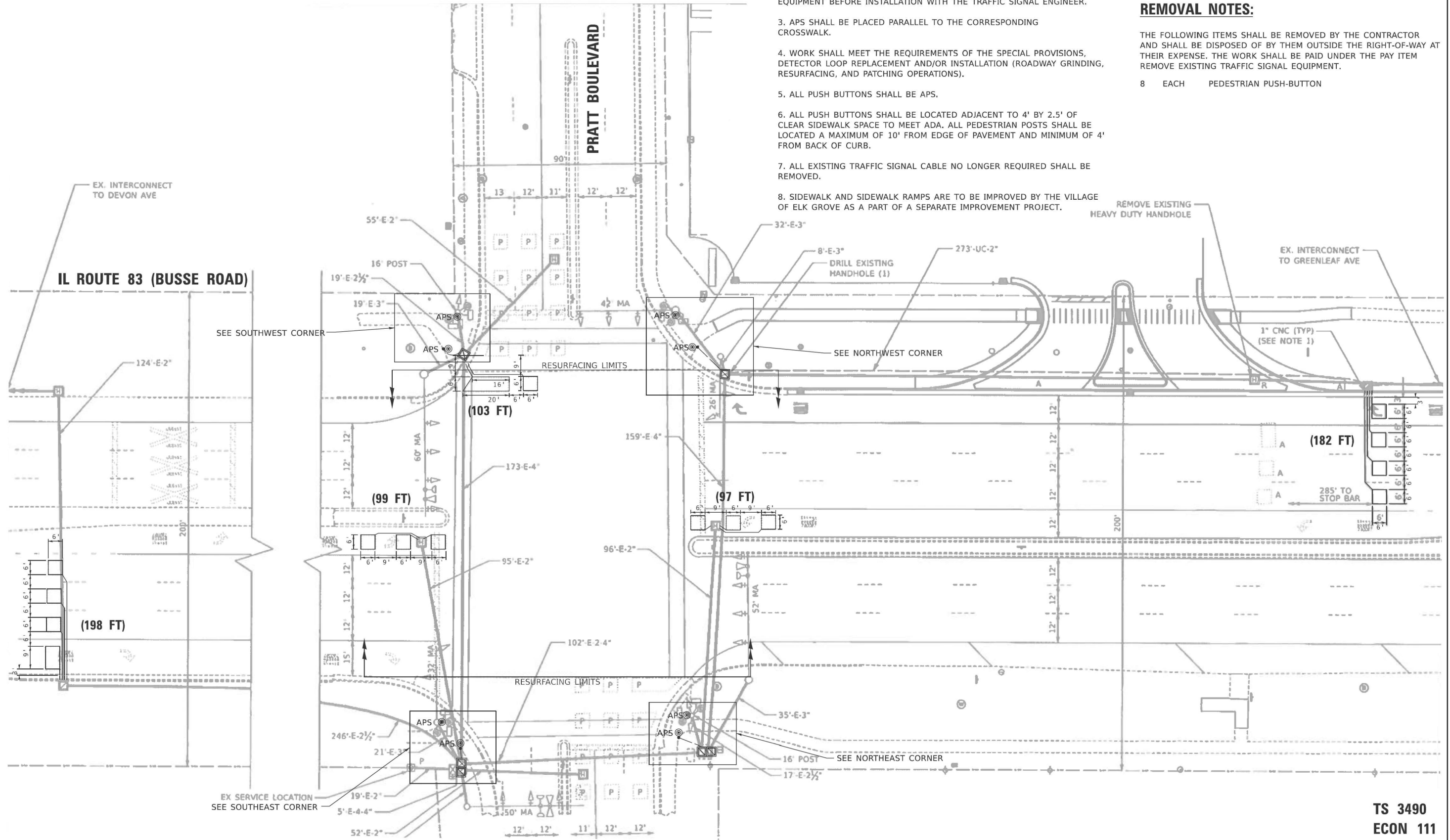
**NOTES:**

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 BY THE VILLAGE OF ELK GROVE AS A PART OF A SEPARATE IMPROVEMENT PROJECT.

**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 WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

8 EACH PEDESTRIAN PUSH-BUTTON



MODEL: D:\m\...  
 FILE NAME: ...  
 PROJECT: ...

USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

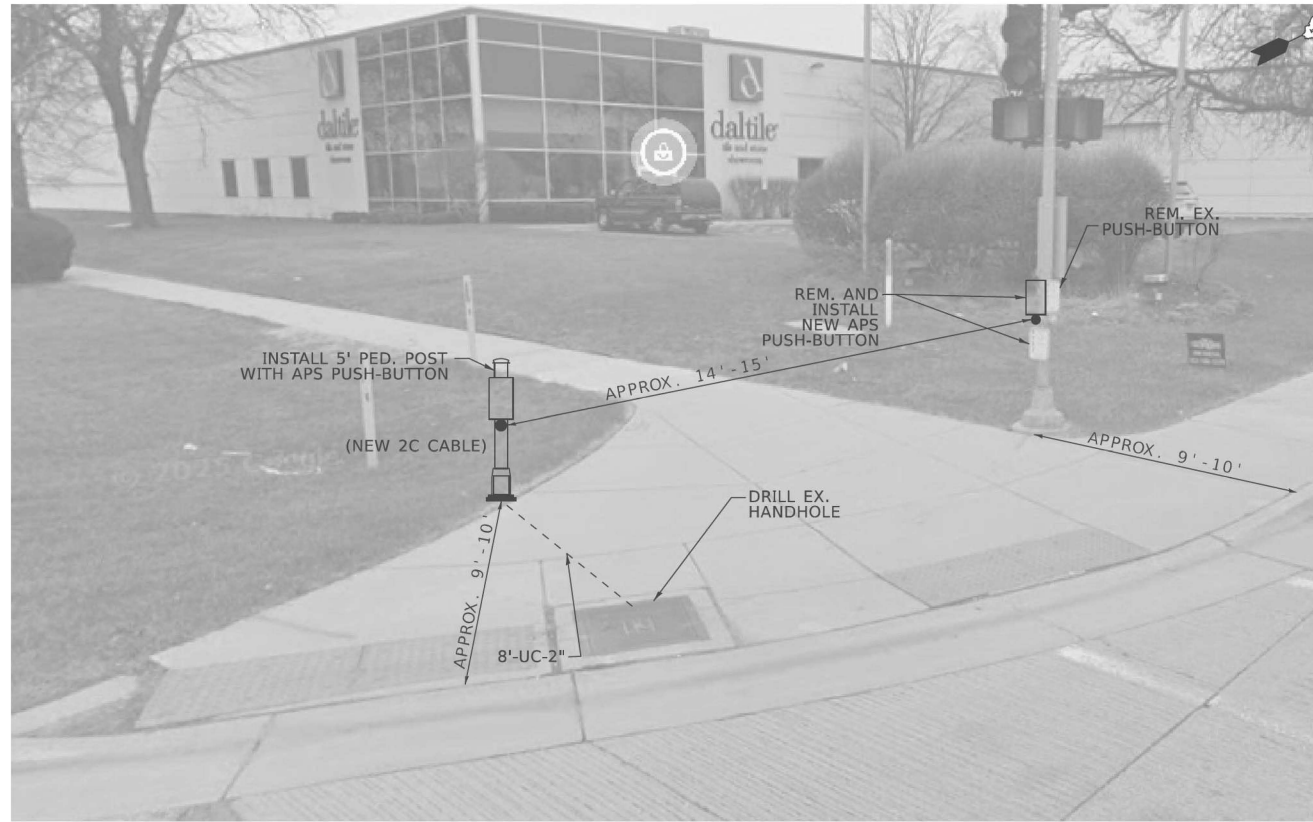
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN**  
**IL ROUTE 83 (BUSSE RD) AT PRATT BLVD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	27
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET 1 OF 32 SHEETS STA. TO STA.

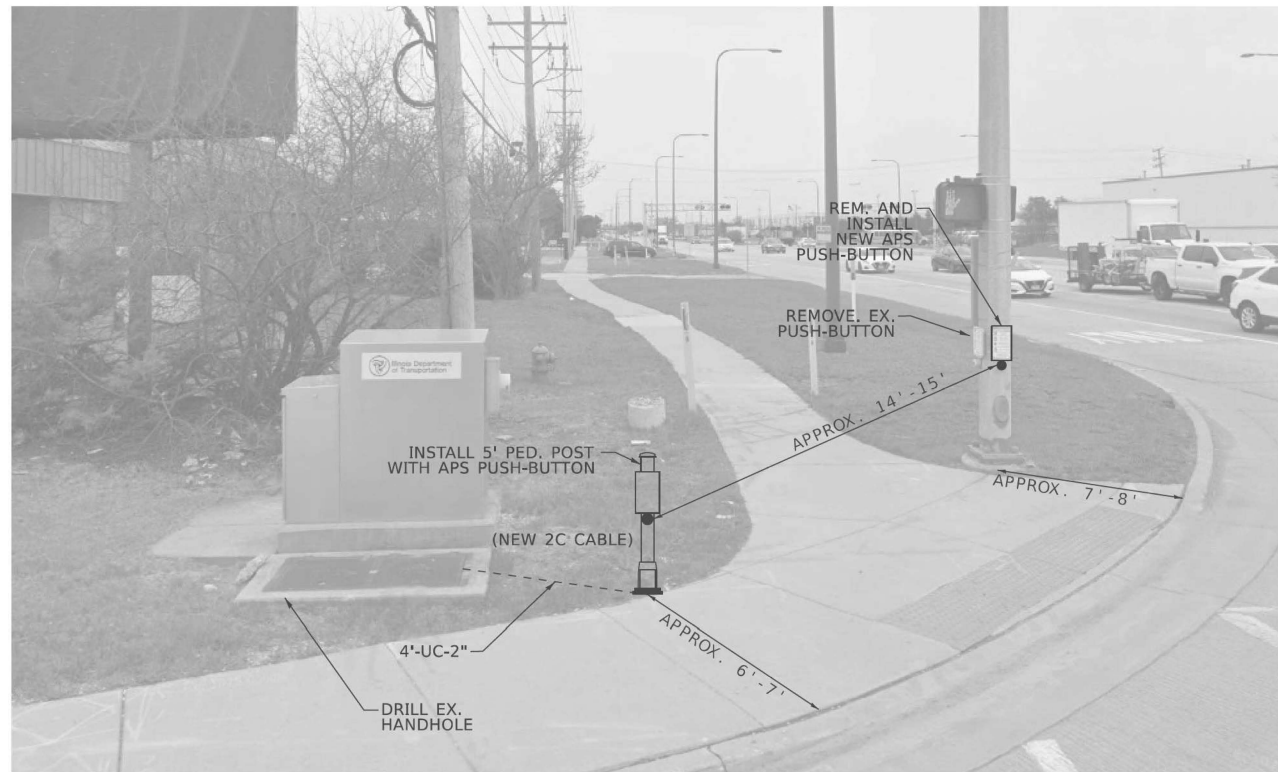
**TS 3490**  
**ECON 111**



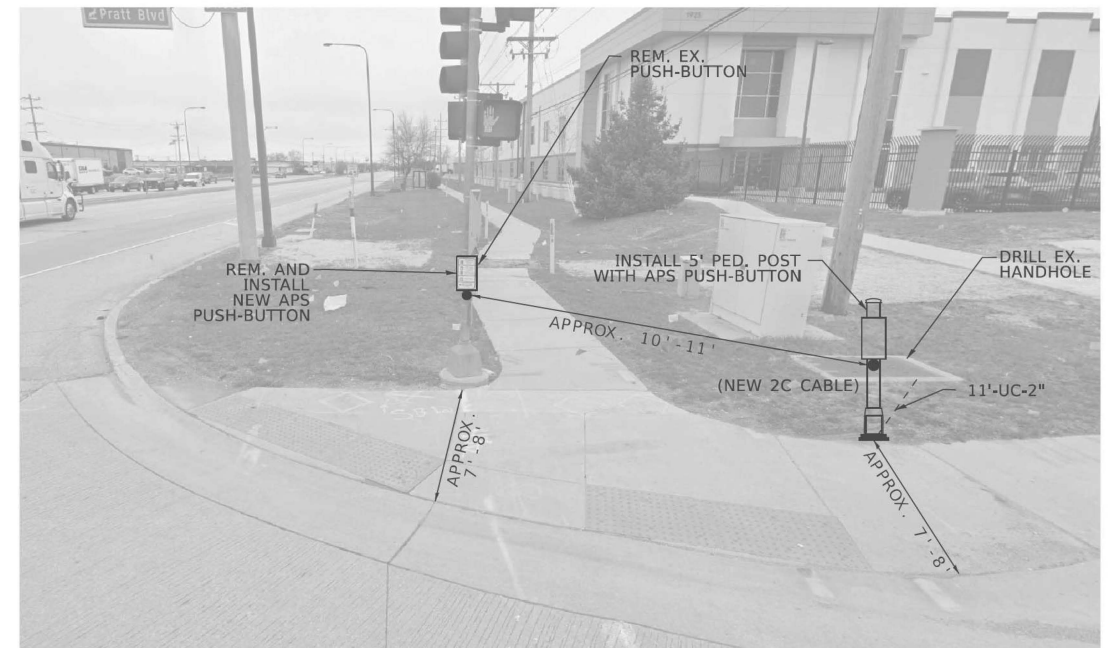
SOUTHWEST CORNER



NORTHWEST CORNER



SOUTHEAST CORNER



NORTHEAST CORNER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
IL ROUTE 83 (BUSSE RD) AT PRATT BLVD

TS 3490  
ECON 111

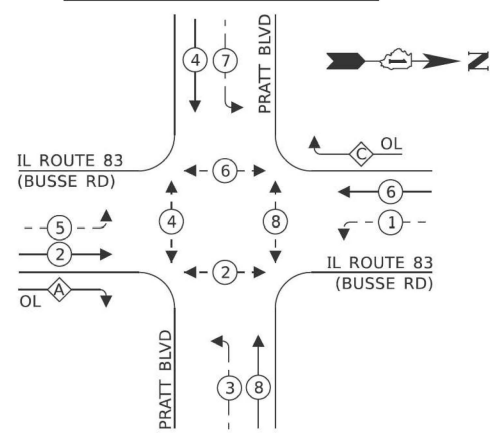
USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

SCALE: N.T.S SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	28
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

MODEL: D:\final\17000171801\TechData\CADD\Design\Plans\C119 D:\090909-sh14s-02b.dgn

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



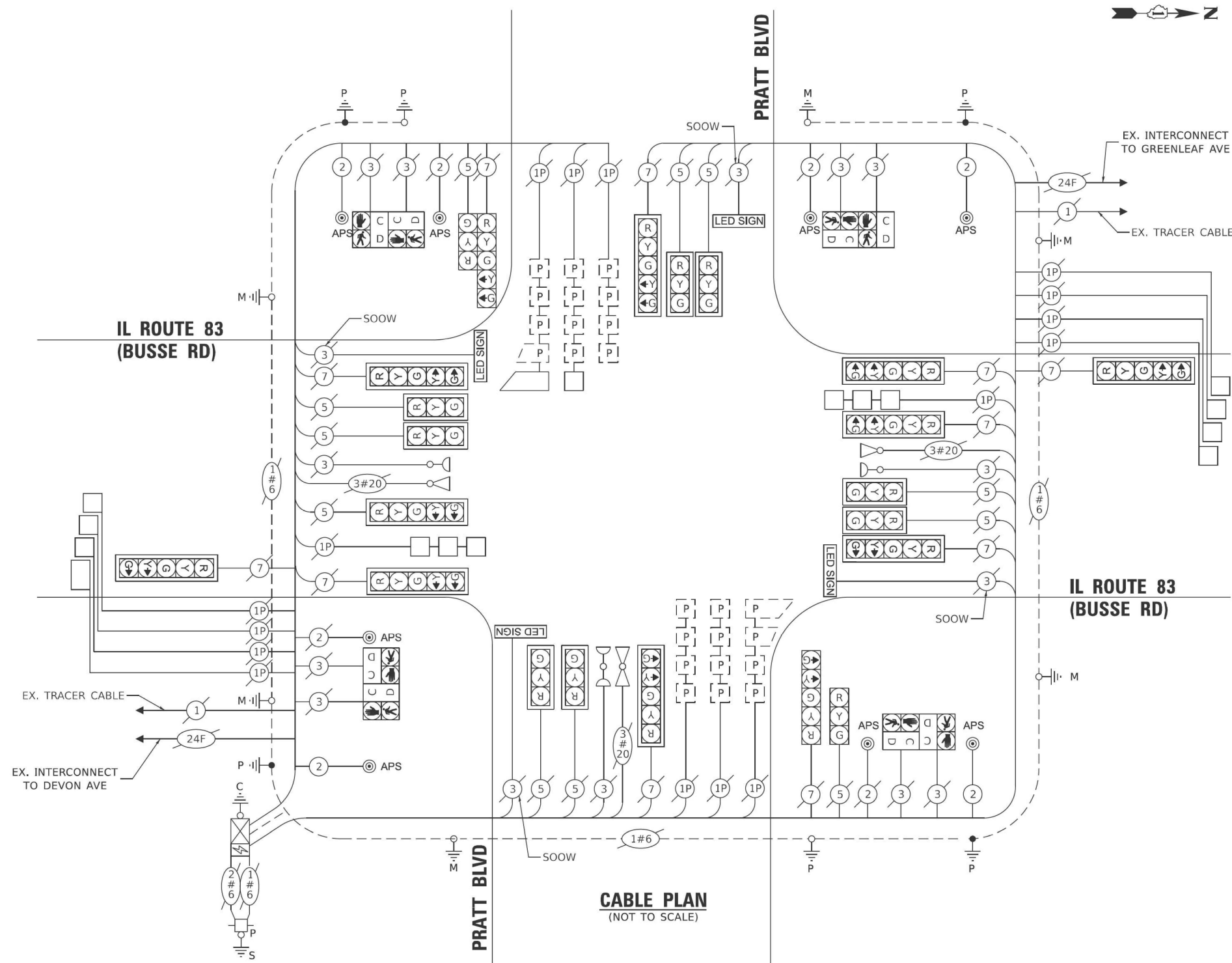
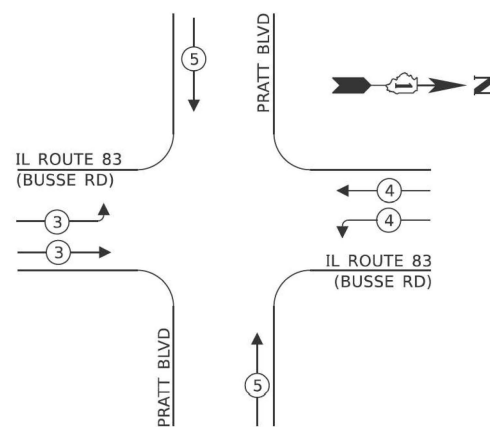
**LEGEND:**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	37
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	746
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	57
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	679
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	774
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
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	10	11	110
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	100	-
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
		15	-
<b>TOTAL UPS SIZING</b>		<b>561</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1646</b>	

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: ---  
METER NUMBER: ---

MODEL: D:\m\... FILE NAME: ...

**TS 3490  
ECON 111**

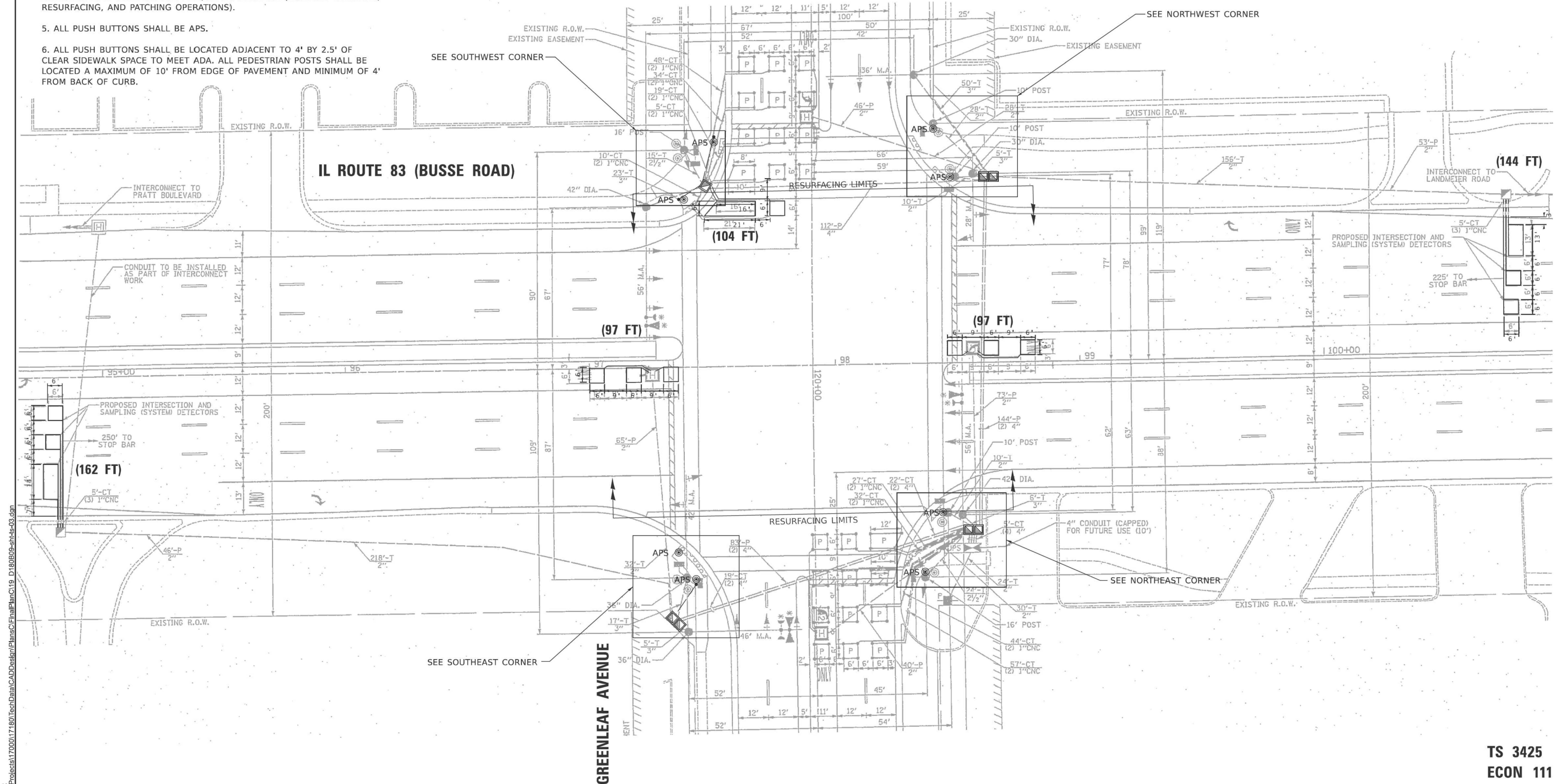
<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>CABLE PLAN, PHASE DESIGNATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES</b>		<b>IL ROUTE 83 (BUSSE RD) AT PRATT BLVD</b>	
SCALE: N.T.S	SHEET 3 OF 12 SHEETS	STA. TO STA.	F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK
			TOTAL SHEETS 60	SHEET NO. 29	CONTRACT NO. 80B09
ILLINOIS FED. AID PROJECT					

**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. 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.

**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 WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.
- 8 EACH PEDESTRIAN PUSH-BUTTON



MODEL: D:\final\17000171801\TechData\CADD\Design\Plans\C19\_D180909-sh14-03.dgn  
 FILE NAME: T:\Projects\17000171801\TechData\CADD\Design\Plans\C19\_D180909-sh14-03.dgn

USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

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

**TRAFFIC SIGNAL MODERNIZATION PLAN**  
**IL ROUTE 83 (BUSSE RD) AT GREENLEAF AVE**

SCALE: 1"=20'    SHEET 1 OF 32 SHEETS    STA. TO STA.

F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 30
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

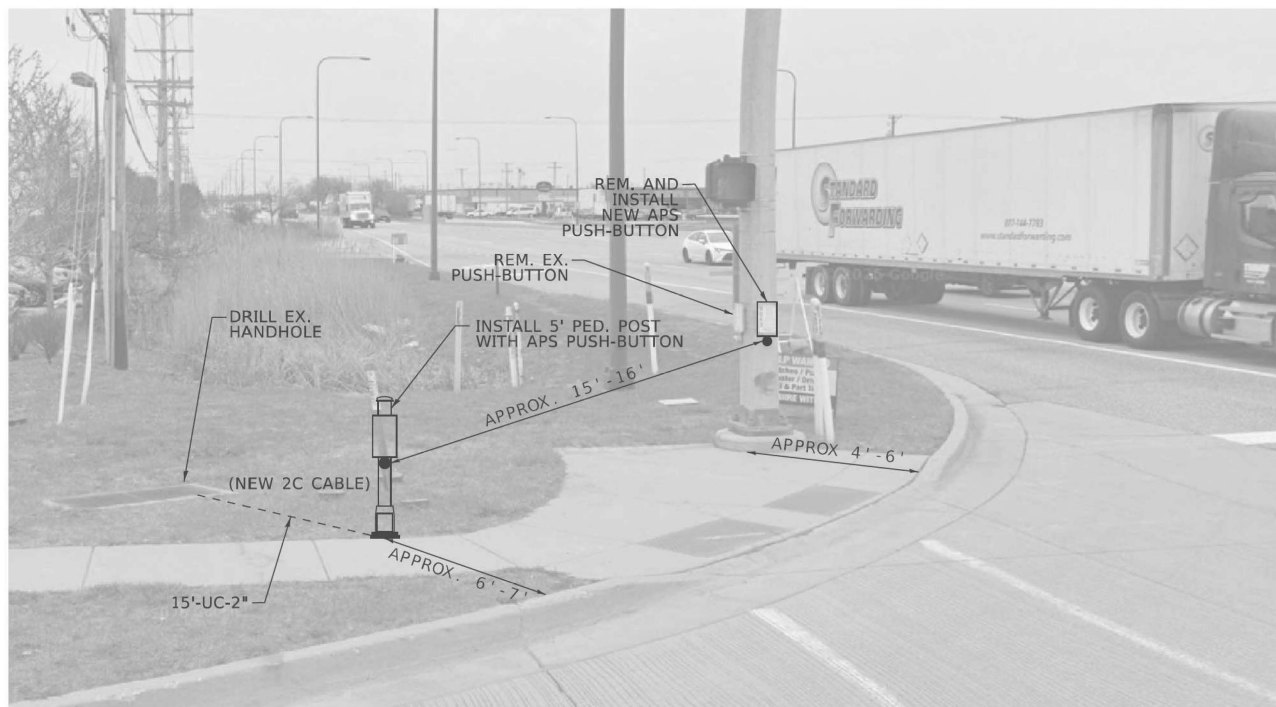
**TS 3425**  
**ECON 111**



SOUTHWEST CORNER



NORTHWEST CORNER



SOUTHEAST CORNER



NORTHEAST CORNER

MODEL: D:\proj\17000171801\TechData\CADD\Design\Plans\C119\_D180809-sh145-03b.dgn  
 FILE NAME: I:\Projects\17000171801\TechData\CADD\Design\Plans\C119\_D180809-sh145-03b.dgn

USER NAME = SBAKER	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

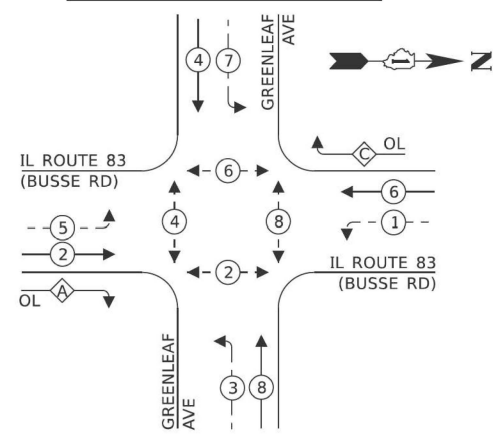
TRAFFIC SIGNAL MODERNIZATION PLAN  
 IL ROUTE 83 (BUSSE RD) AT GREENLEAF AVE

SCALE: N.T.S SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	31
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				

TS 3425  
 ECON 111

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



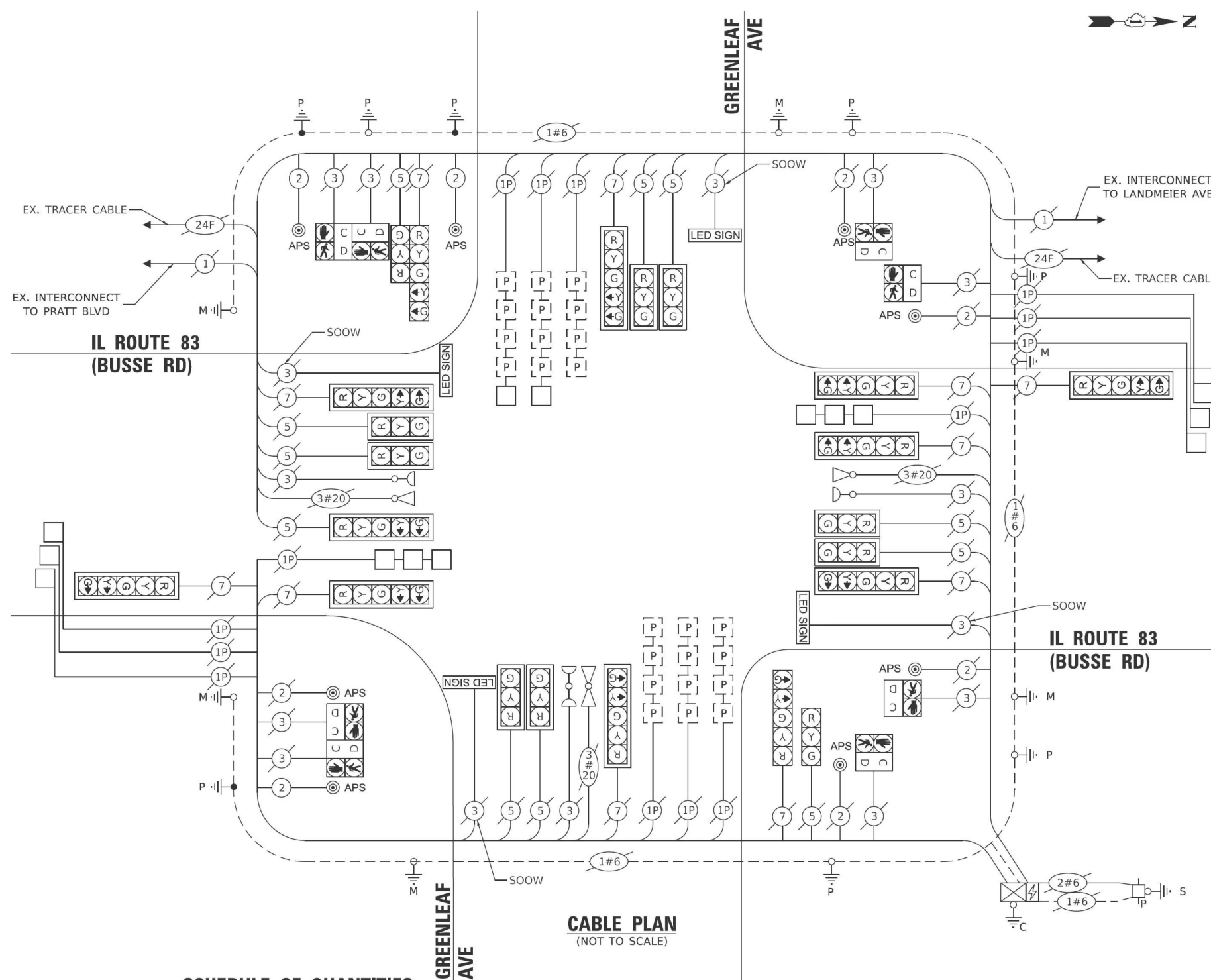
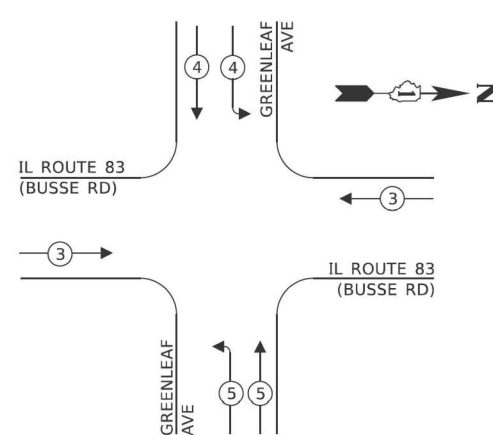
**LEGEND:**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	45
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	834
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	60
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE 1	FOOT	604
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	818
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR OR VIDEO	-	25	-
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
		15	-
<b>TOTAL UPS SIZING</b>			<b>536</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1621</b>

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: ---  
METER NUMBER: ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES**  
**IL ROUTE 83 (BUSSE RD) AT GREENLEAF AVENUE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	32

CONTRACT NO. 80B09

**TS 3425**  
**ECON 111**

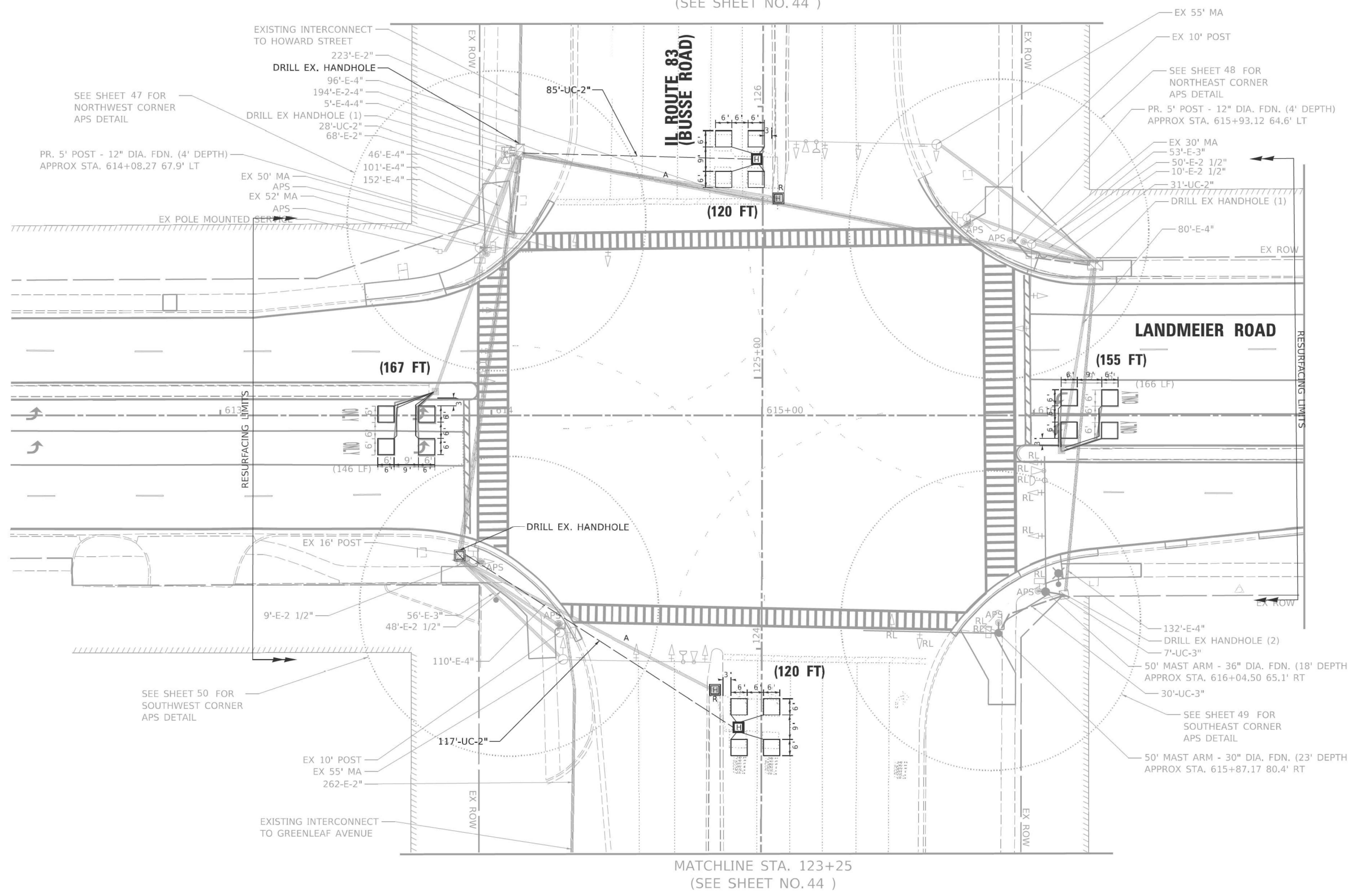
MODEL: D:\m\... FILE NAME: ...

USER NAME	DESIGNED	REVISION
SBAKER	- SJB	-
	- SJB	-
	- KJS	-
	-	-
	-	-
	-	-

SCALE: N.T.S SHEET 3 OF 12 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

MATCHLINE STA. 126+30  
(SEE SHEET NO. 44 )



MATCHLINE STA. 123+25  
(SEE SHEET NO. 44 )

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. RECORD DRAWING IS FROM CONTRACT 61K19.

MODEL: D:\m\...  
 FILE NAME: ...  
 PROJECT: 17000171801\TechData\CADD\Design\Plans\C119\_D180809-sh1-cs-04.dgn

**TS 3460  
ECON 111**

USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

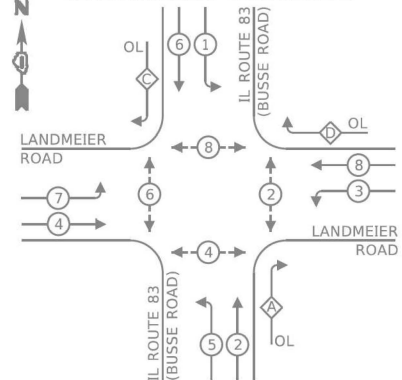
**TRAFFIC SIGNAL MODERNIZATION PLAN  
IL ROUTE 83 (BUSSE RD) AT LANDMEIER RD**

SCALE: 1"=20' SHEET 1 OF 32 SHEETS STA. TO STA.

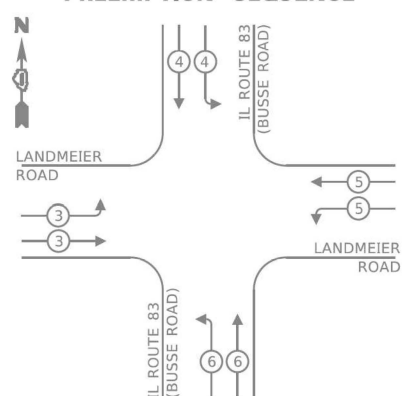
F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 33
CONTRACT NO. 80B09				
ILLINOIS FED. AID PROJECT				



**EXISTING CONTROLLER SEQUENCE**



**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

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

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

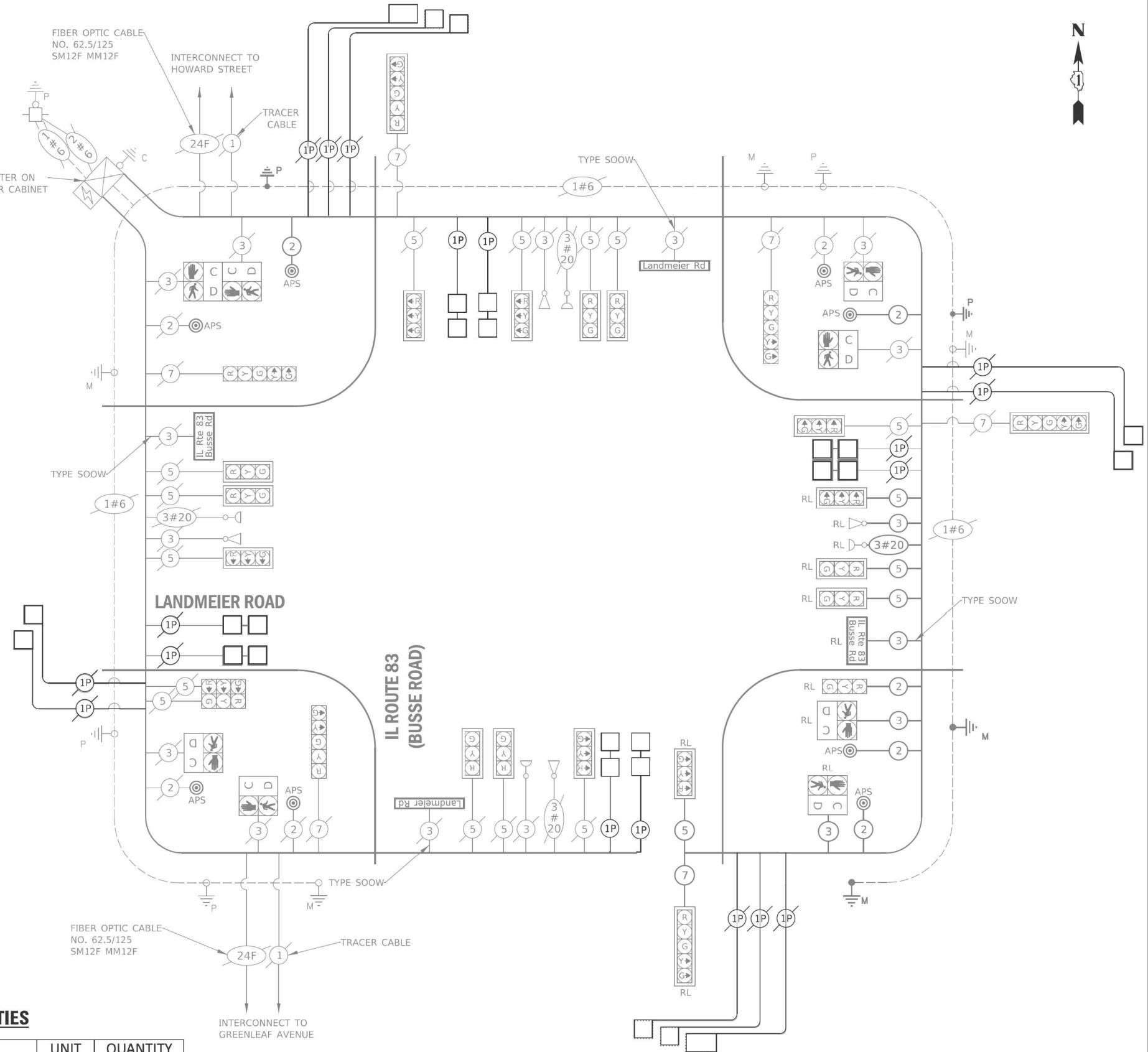
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>			<b>571</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1656</b>

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: 07591-68226  
 METER NUMBER: ---

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	202
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	837
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	878
REMOVE EXISTING HANDHOLE	EACH	2



MODEL: D:\proj\17000171801\TechData\CADD\Design\Plans\Civil\PlanC119\_D1810909-sheet45-04b.dgn  
 FILE NAME: T:\proj\17000171801\TechData\CADD\Design\Plans\Civil\PlanC119\_D1810909-sheet45-04b.dgn

USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
 PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  
 IL ROUTE 83 (BUSSE RD) AT LANDMEIER ROAD**

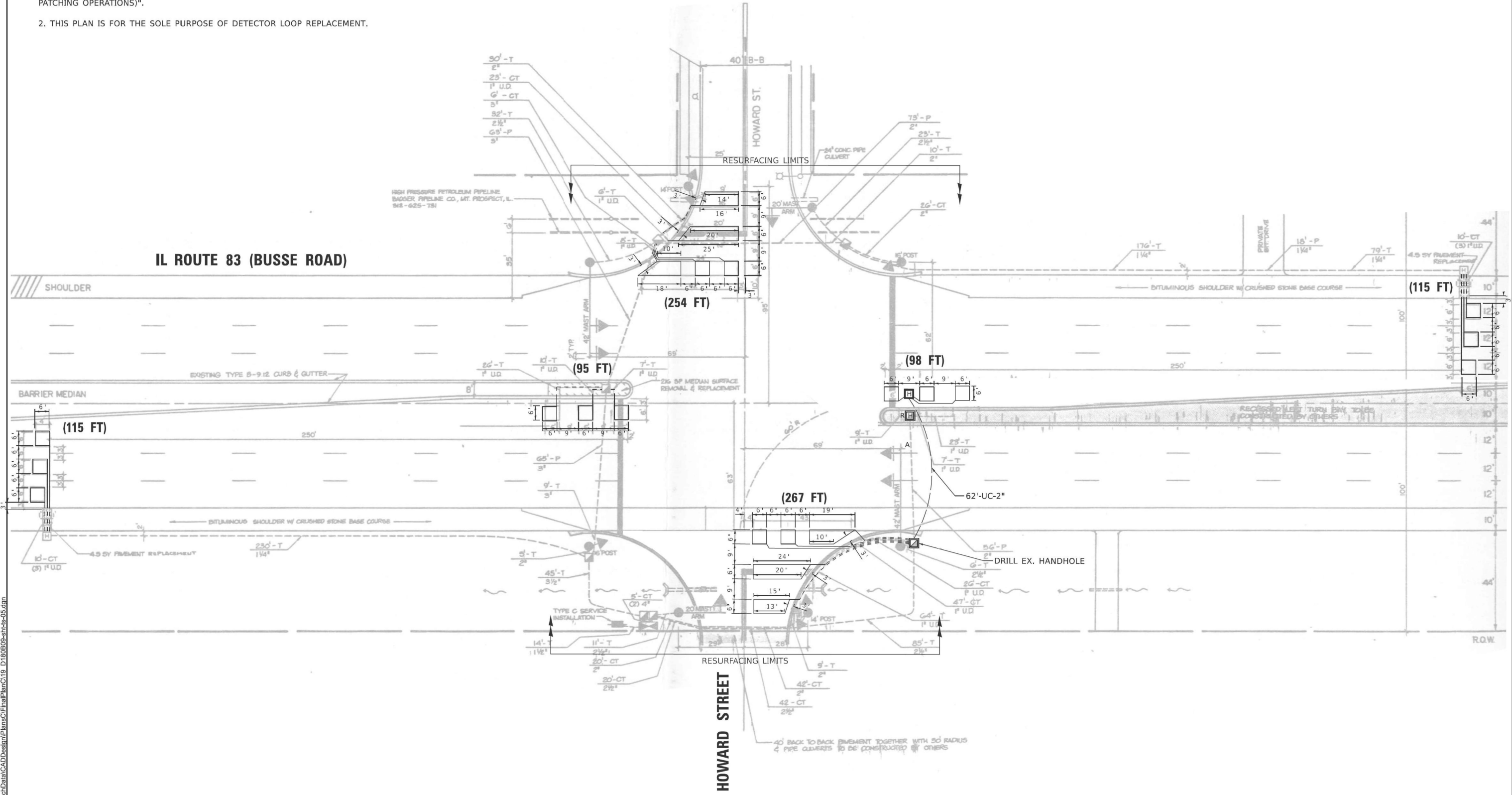
F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 35
CONTRACT NO. 80B09				ILLINOIS FED. AID PROJECT

**TS 3460  
 ECON 111**

SCALE: N.T.S SHEET 3 OF 12 SHEETS STA. TO STA.

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



MODEL: D:\firm\IT\Projects\1700017180\TechData\CADD\Design\Plans\C119\_D18009-sh-14-05.dgn  
 FILE NAME: IT\Projects\1700017180\TechData\CADD\Design\Plans\C119\_D18009-sh-14-05.dgn

**TS 12125  
ECON 111**

USER NAME = SBAKER	DESIGNED - SJB	REVISED -
	DRAWN - SJB	REVISED -
	CHECKED - KJS	REVISED -
PLOT DATE = 1/20/2026	DATE - 1/20/2026	REVISED -

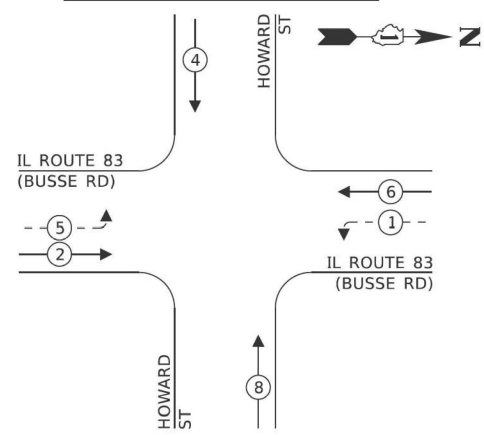
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
IL ROUTE 83 (BUSSE RD) AT HOWARD ST**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	36
CONTRACT NO. 80B09			ILLINOIS FED. AID PROJECT	

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

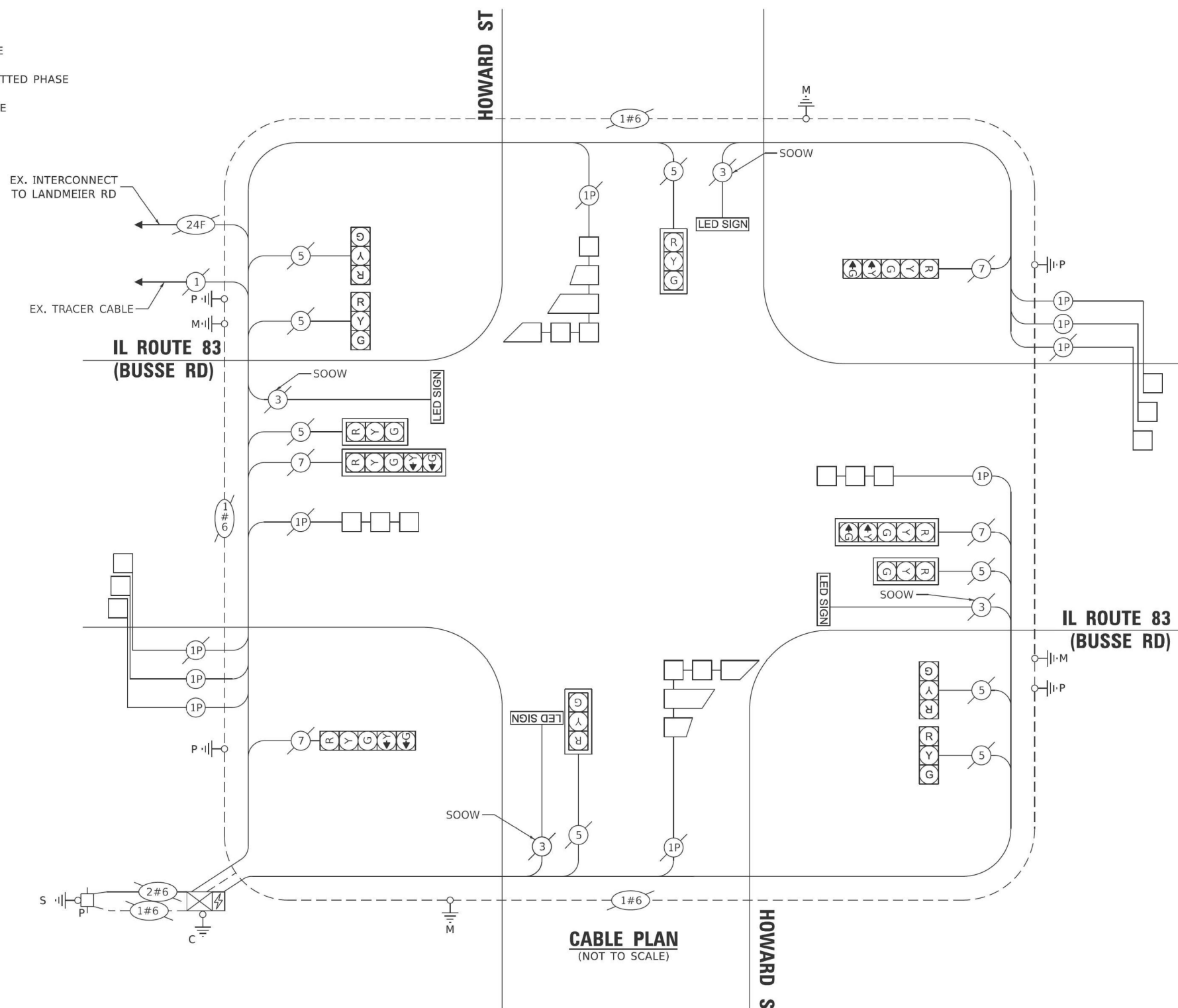
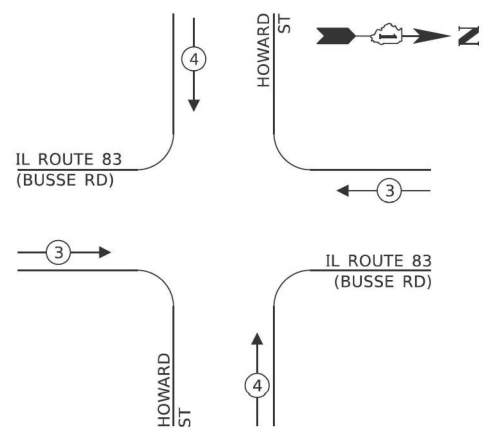
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**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	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	-	25	-
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>		<b>350</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1435</b>	

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: ---  
 METER NUMBER: ---

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	62
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1870
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	944
REMOVE EXISTING HANDHOLE	EACH	1

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  
 IL ROUTE 83 (BUSSE RD) AT HOWARD ST**

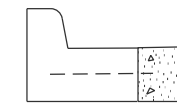
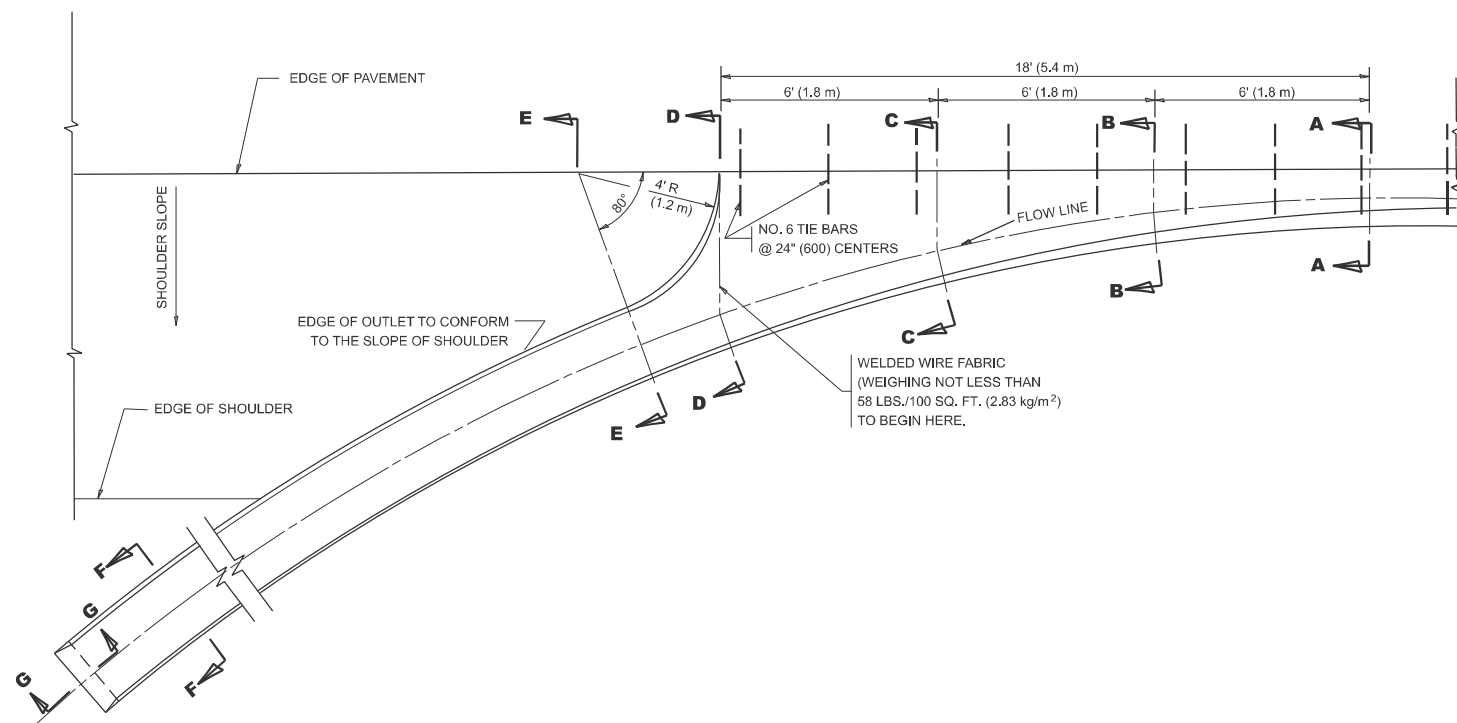
SCALE: N.T.S. SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	37
CONTRACT NO. 80B09				

TS 12125  
 ECON 111

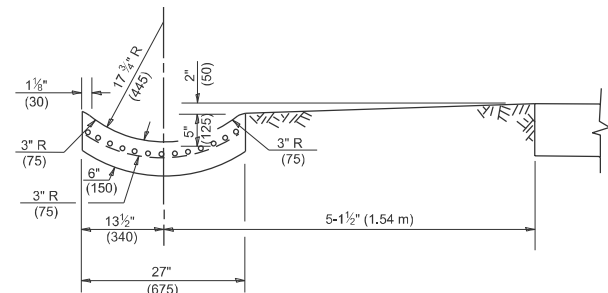
MODEL: D:\full\TIP\Project\170001\1801\TechData\CADD\Design\Plans\C119\_D1810909-sh-4-05b.dgn  
 FILE NAME: TIP\Project\170001\1801\TechData\CADD\Design\Plans\C119\_D1810909-sh-4-05b.dgn

ILLINOIS FED. AID PROJECT

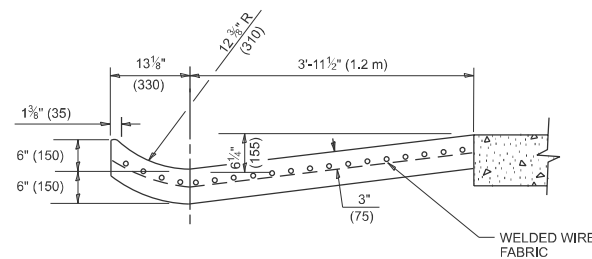


**SECTION A-A**

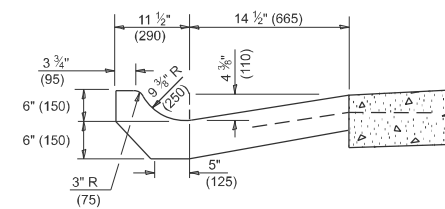
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



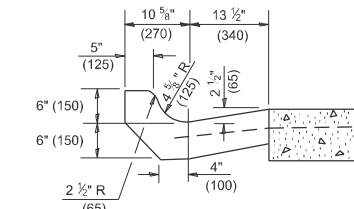
**SECTION E-E**



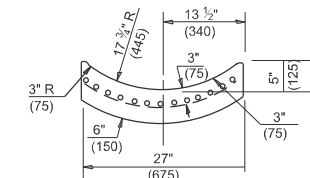
**SECTION D-D**



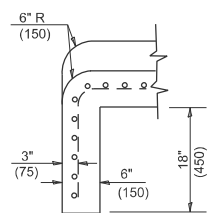
**SECTION C-C**



**SECTION B-B**



**SECTION F-F**



**SECTION G-G**

**GENERAL NOTES**

- GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
- TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.
- IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**METHOD OF MEASUREMENT**

FOR SECTION A-A TO E-E AND CURTAIN WALL=  
 1.25 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.  
 1.27 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.  
 FOR SECTION F-F=  
 0.045 CU. YDS. (0.03 m<sup>3</sup>) CLASS SI CONCRETE PER ft. (m).

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

MODEL: BD-03 (Sheet)  
 FILE NAME: c:\p\work\wv\10118410\116225-shr-Disc\Std.dgn

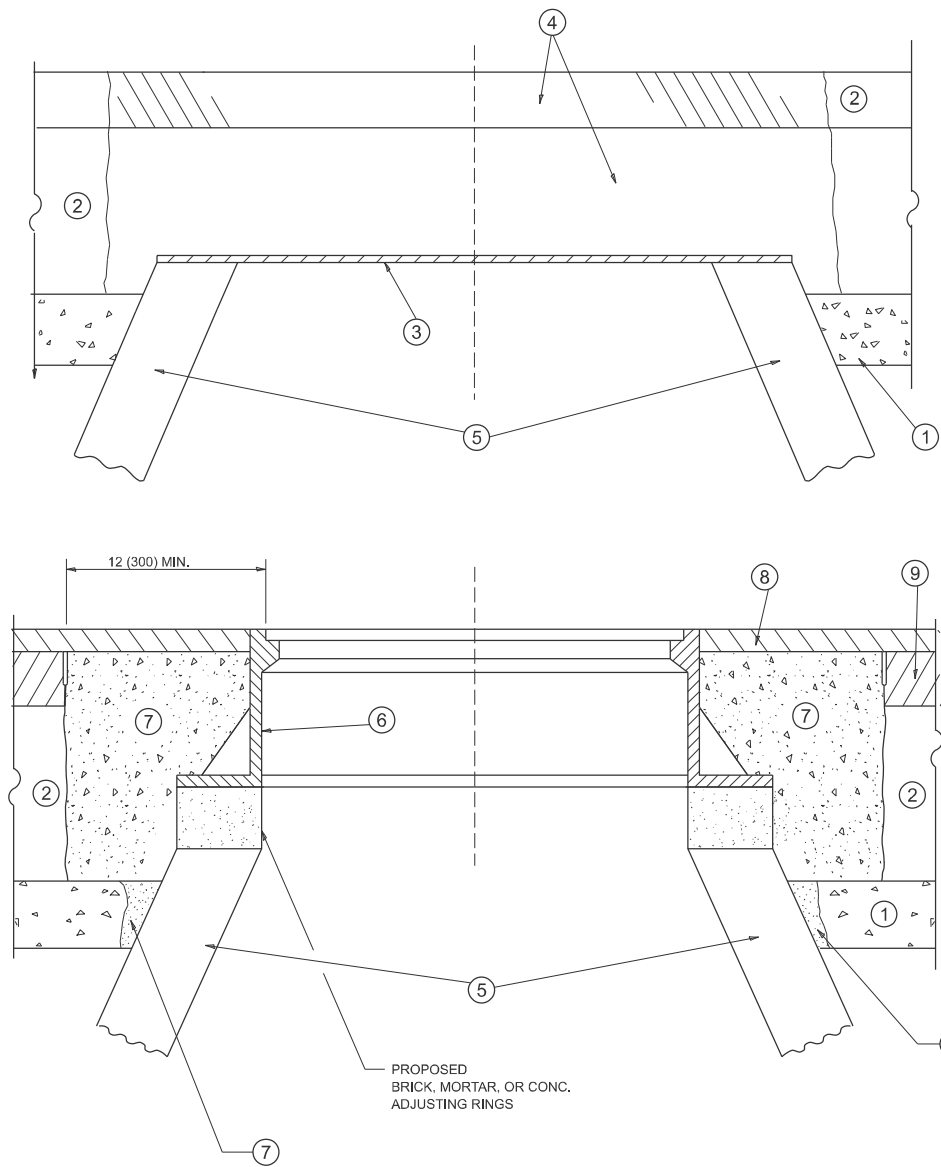
USER NAME = Rana.Kabo	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - E. GOMEZ 12-21-00
	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 1/27/2026	DATE - 08-04-96	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE  
 CURB AND GUTTER**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	38
<b>BD600-01 (BD-03)</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



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

**NOTES**

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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: BD-8 (Sheet)  
FILE NAME: c:\p\work\pav\kabr\m\118410\116225-shr-DistSids.dgn

USER NAME = Rana.Kab	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 1/22/2026	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

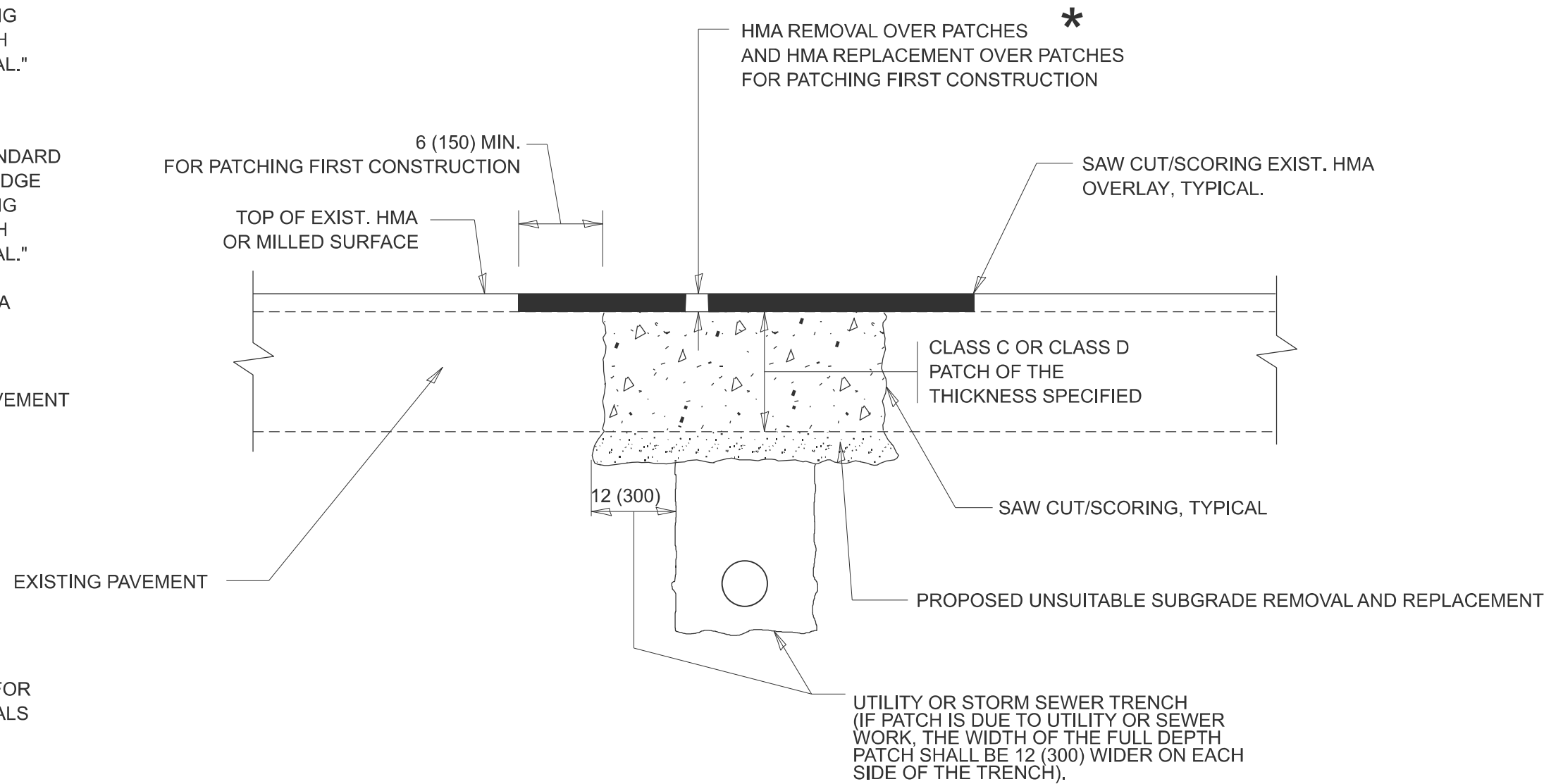
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	39
<b>BD600-03 (BD-08)</b>			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				

## 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.



## SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

## SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 ½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: BD-22 (Sheet)  
FILE NAME: c:\p\work\pav\kabr\m1118410\116225-shr-Disc\Std.dgn

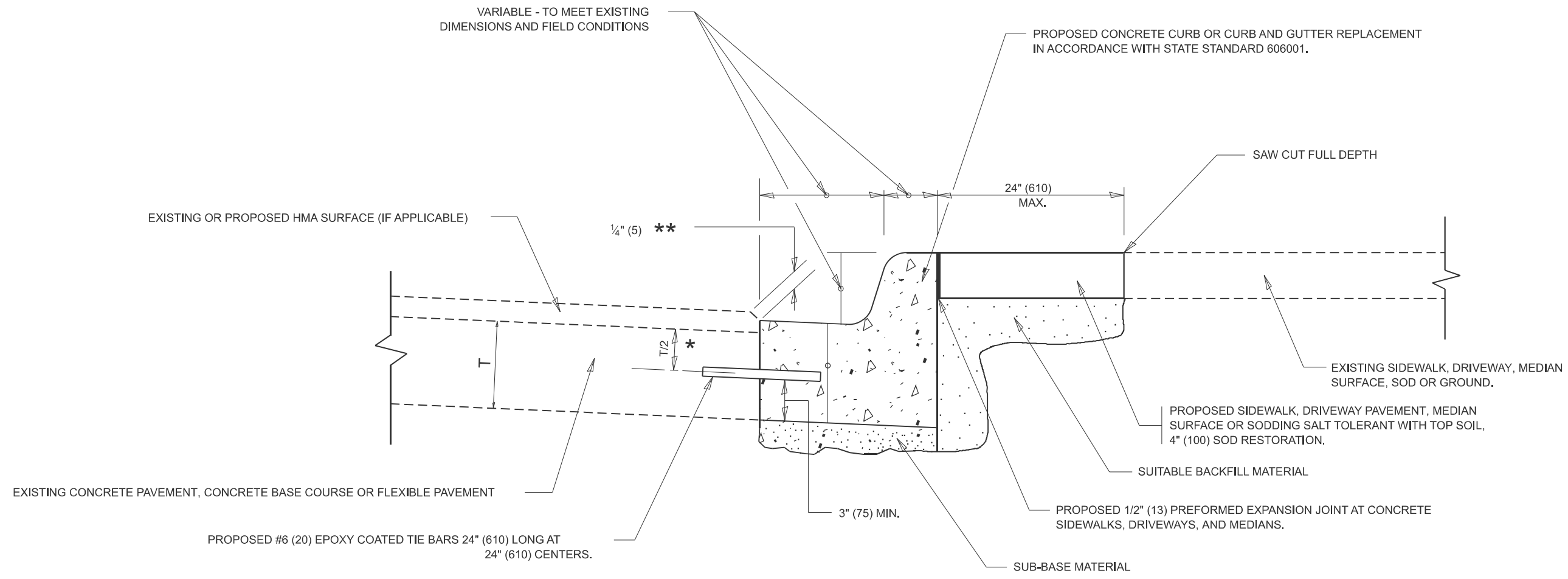
USER NAME = Rana.Kab	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 1/27/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	40
BD400-04 (BD-22)			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				



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

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: BD-24 (Sheet)  
FILE NAME: c:\p\work\pav\kabr\m118410\116225-shr-Disc\Std.dgn

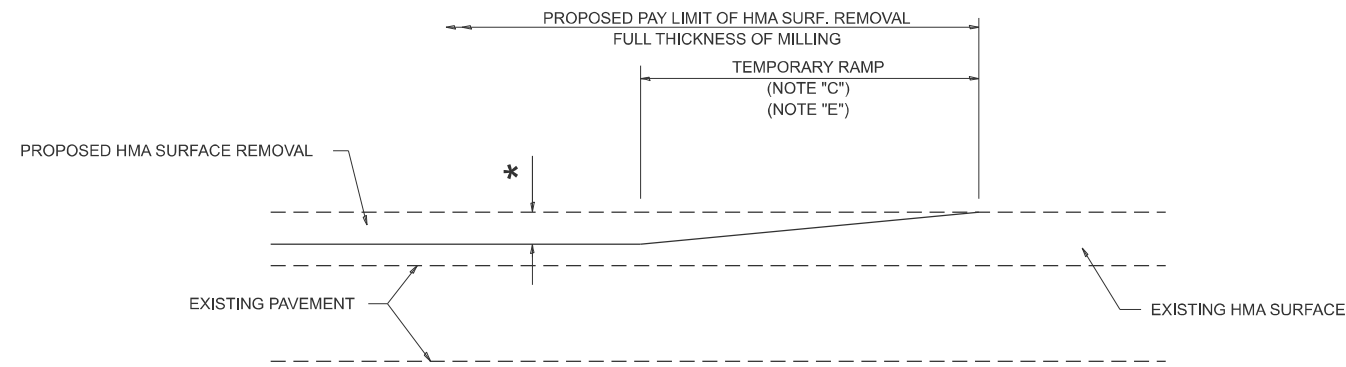
USER NAME = Rana.Kab	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 1/27/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

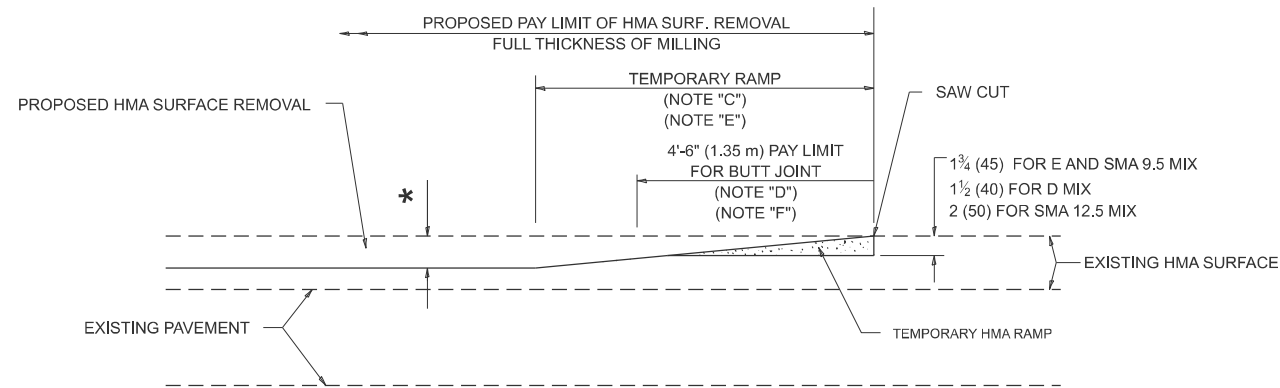
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	41
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

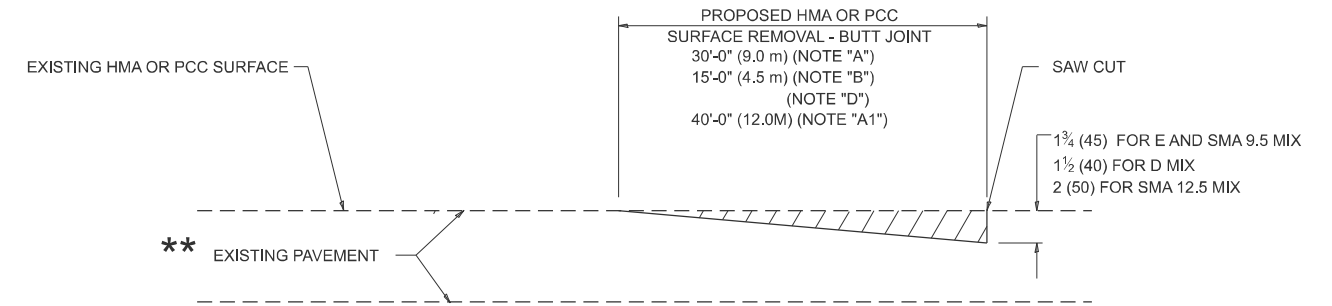


**HMA CONSTRUCTED TEMPORARY RAMP**

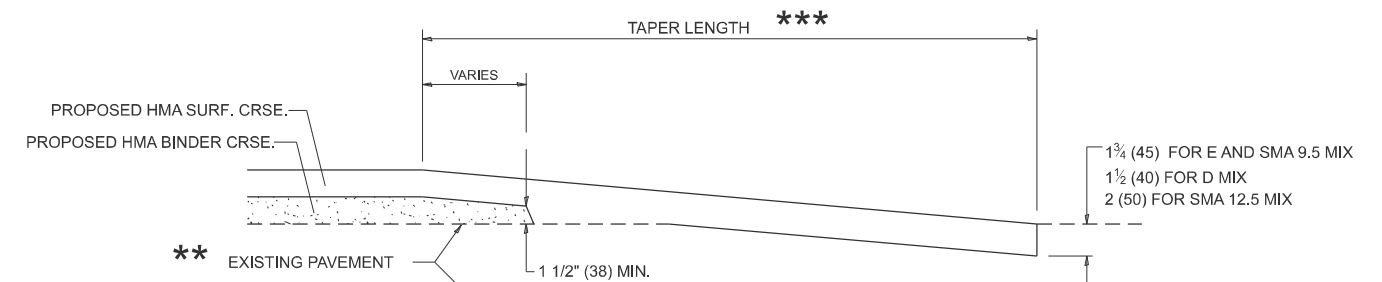
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

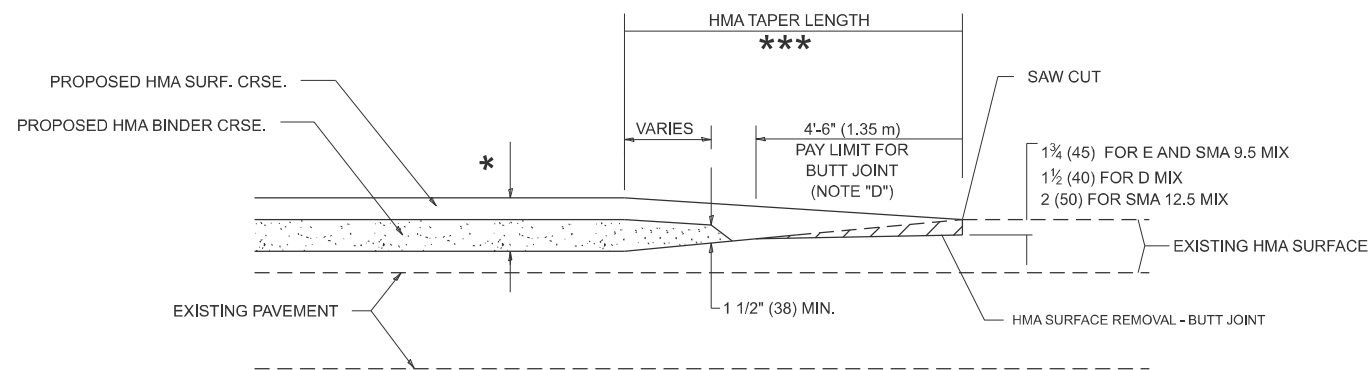
**GENERAL NOTES**

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

**BASIS OF PAYMENT**

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

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



**BUTT JOINT AND HMA TAPER**

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

MODEL: BD-32 (Sheet)  
FILE NAME: c:\paw\work\paw\k\aborm\118410\116225-shr-Disc\Sids.dgn

USER NAME = Rana.Kab	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 1/27/2026	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

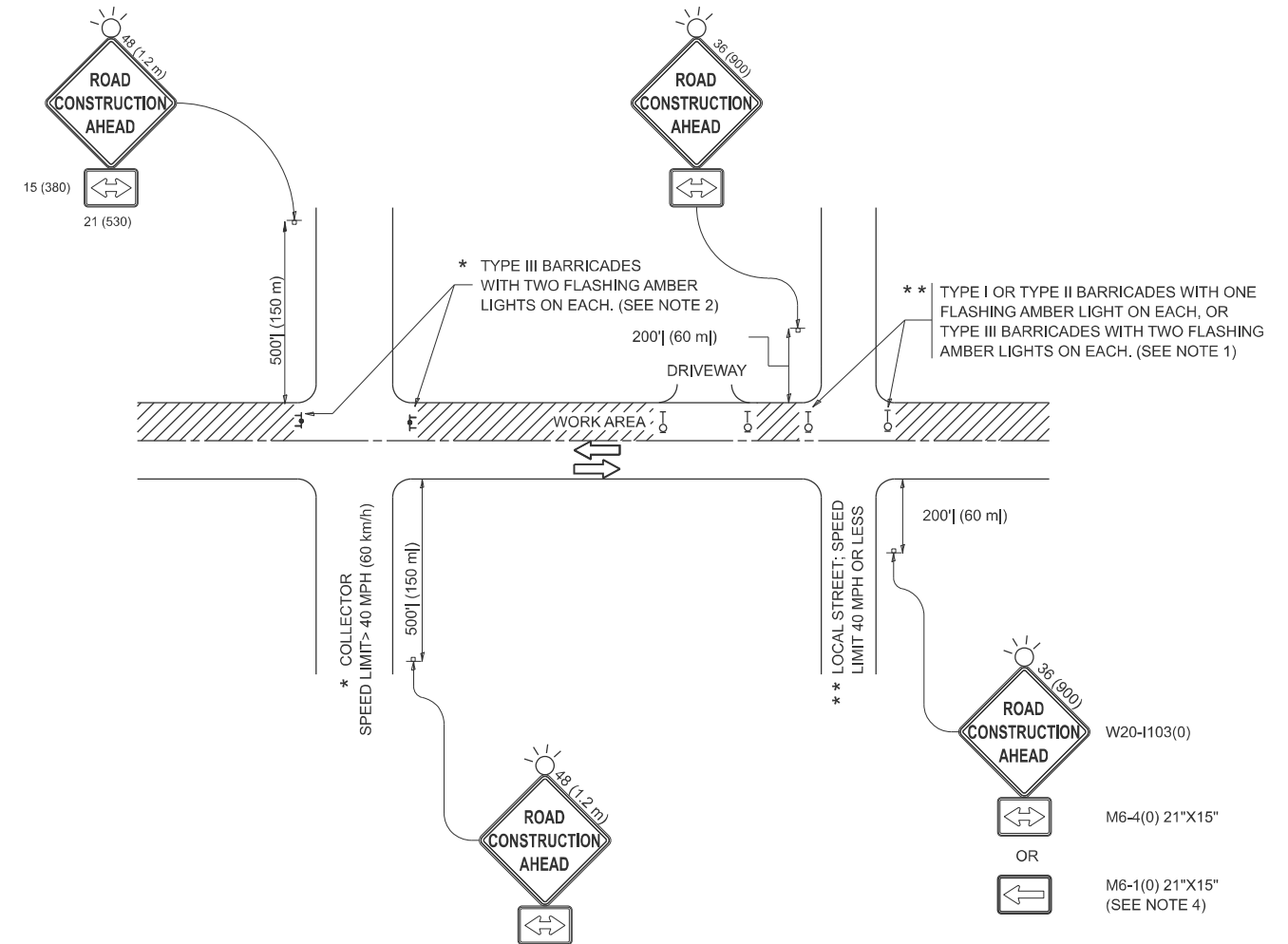
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**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.
344B	2025-1097-RS	COOK	60	42
<b>BD400-05 BD-32</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

MODEL: TC-10 (Sheet)  
 FILE NAME: c:\p\work\pwr\k\aborm\118410\116225-shr-Disc\Std.dgn



**NOTES:**

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

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

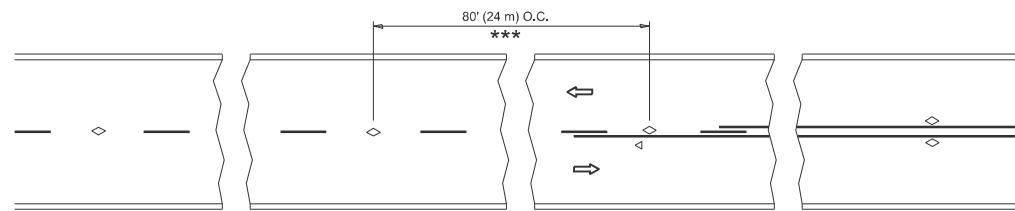
USER NAME = Rana.Kab	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 1/27/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

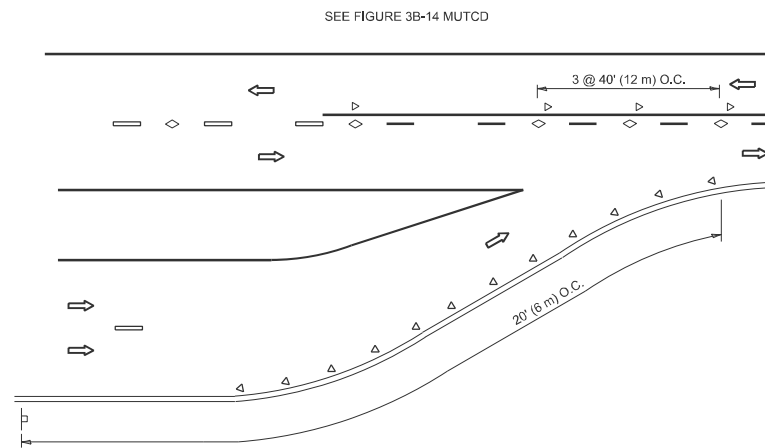
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	43
<b>TC-10</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

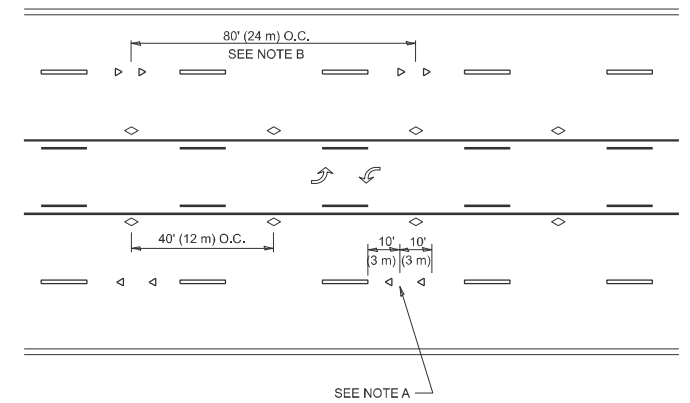


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

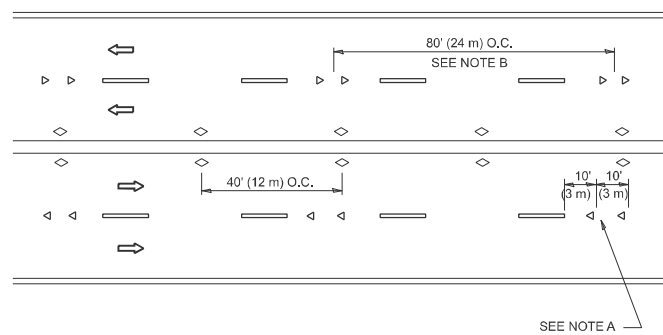
### TWO-LANE/TWO-WAY



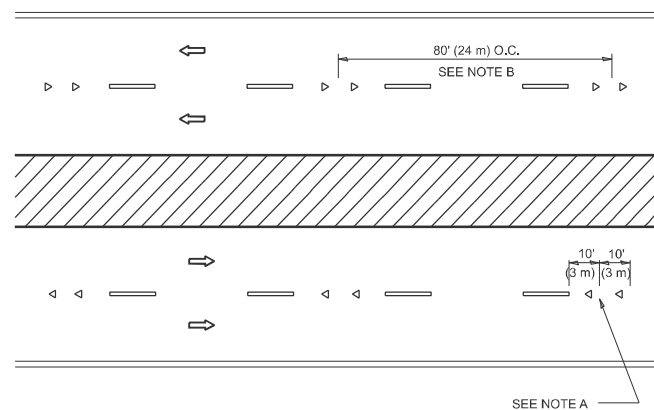
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

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

### SYMBOLS

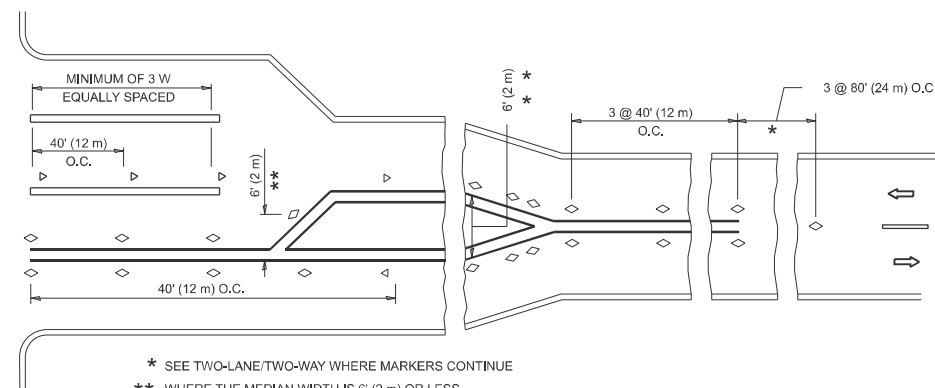
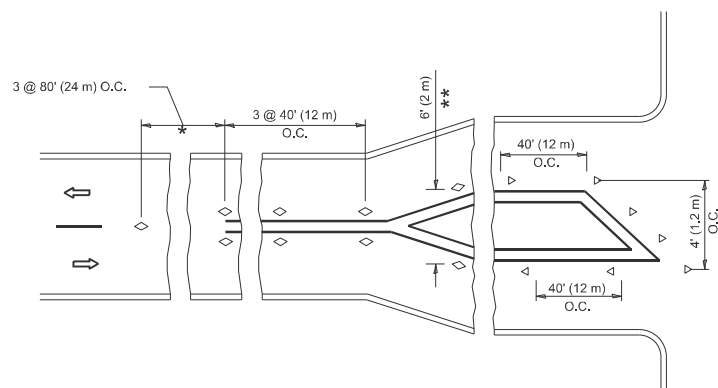
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

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

### DESIGN NOTES

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



### TURN LANES

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

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

MODEL: TC-11 (Sheet)  
 FILE NAME: c:\p\work\pav\pav\116225-shr-DistSids.dgn

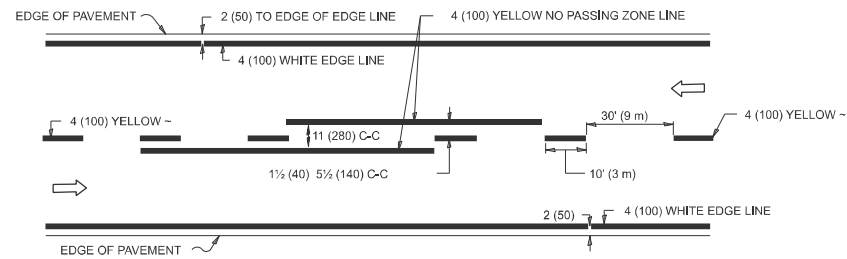
USER NAME = Rana.Kabo	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 1/27/2026	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

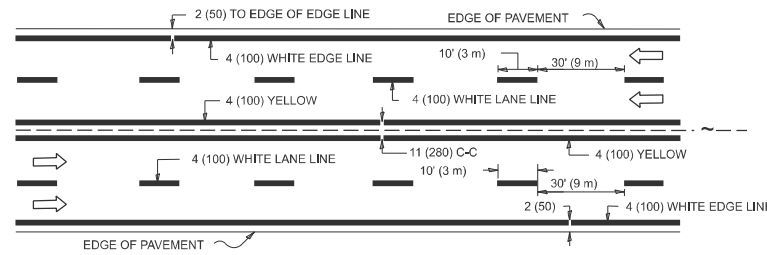
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

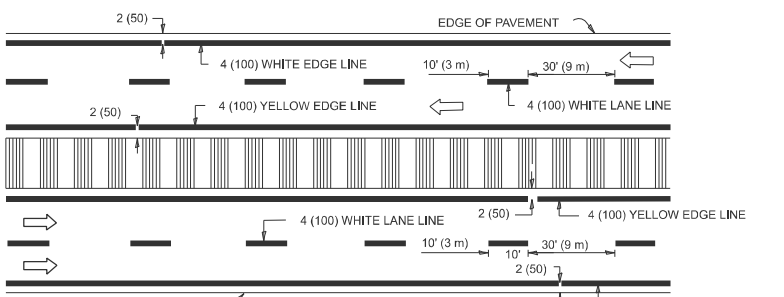
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	44
TC-11			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

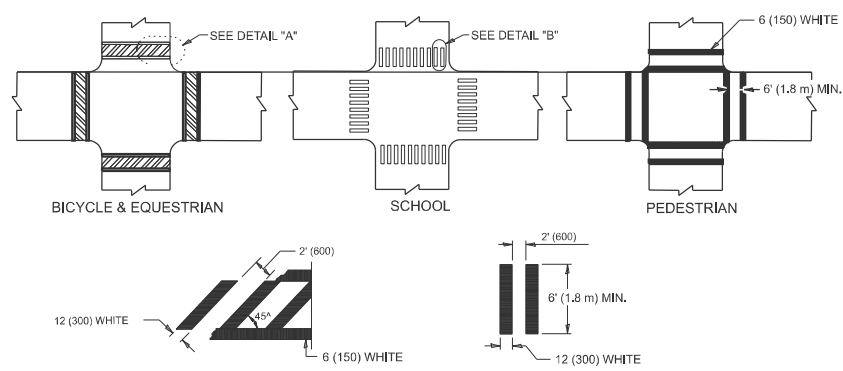


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

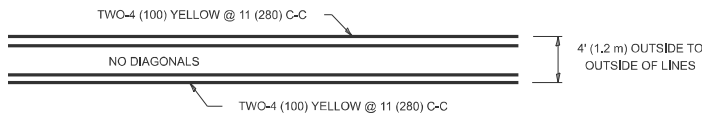
**TYPICAL LANE AND EDGE LINE MARKING**



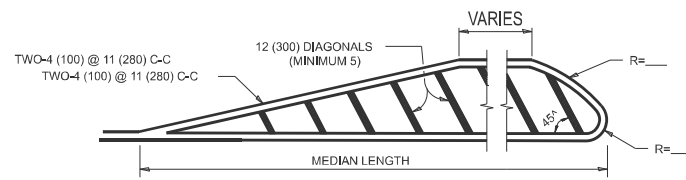
**DETAIL "A"** **DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

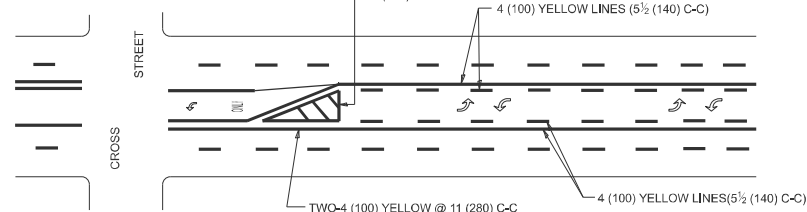


**4' (1.2 m) WIDE MEDIANS ONLY**

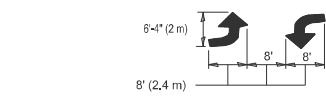


**MEDIANS OVER 4' (1.2 m) WIDE**

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

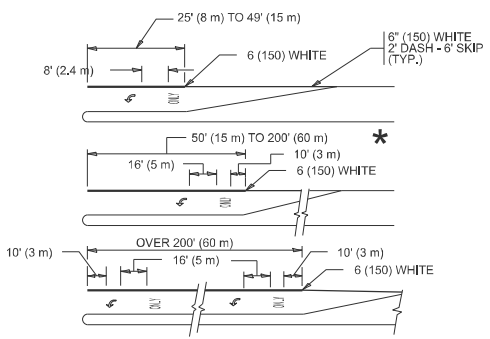


**MEDIAN WITH TWO-WAY LEFT TURN LANE**  
**TYPICAL PAINTED MEDIAN MARKING**



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

**TYPICAL PAINTED MEDIAN MARKING**

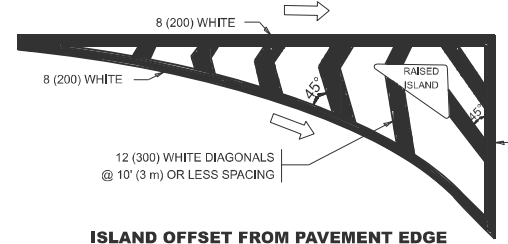


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

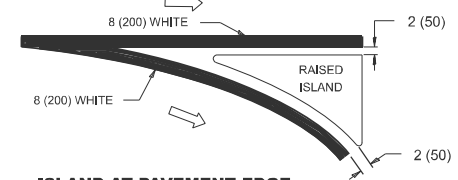
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

**TYPICAL TURN LANE MARKING**

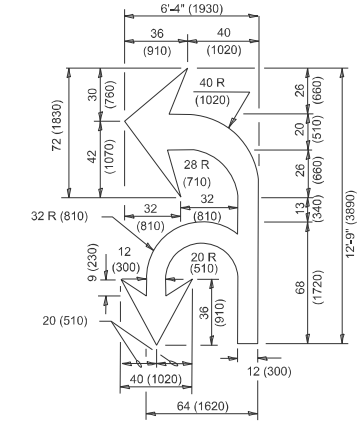


**ISLAND OFFSET FROM PAVEMENT EDGE**

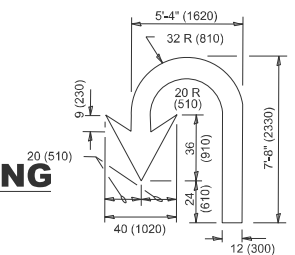


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

**LANE REDUCTION TRANSITION**

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE-FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL.
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: TC-13 (Sheet)  
FILE NAME: c:\p\work\pav\illinois\118410\116225-shp-DistSigs.dgn

USER NAME = Rana.Kab	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 1/27/2026	DATE - 03-19-90	

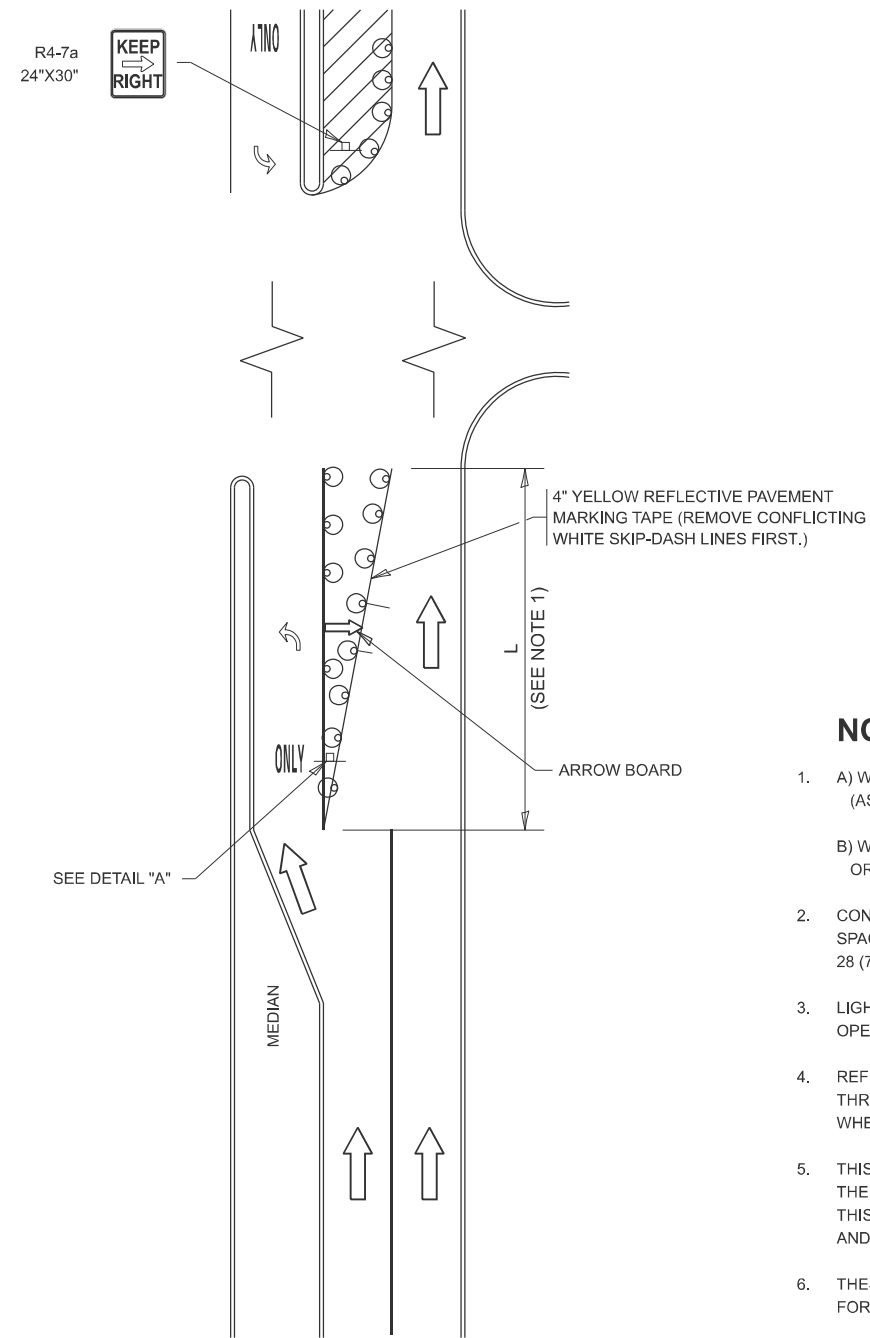
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

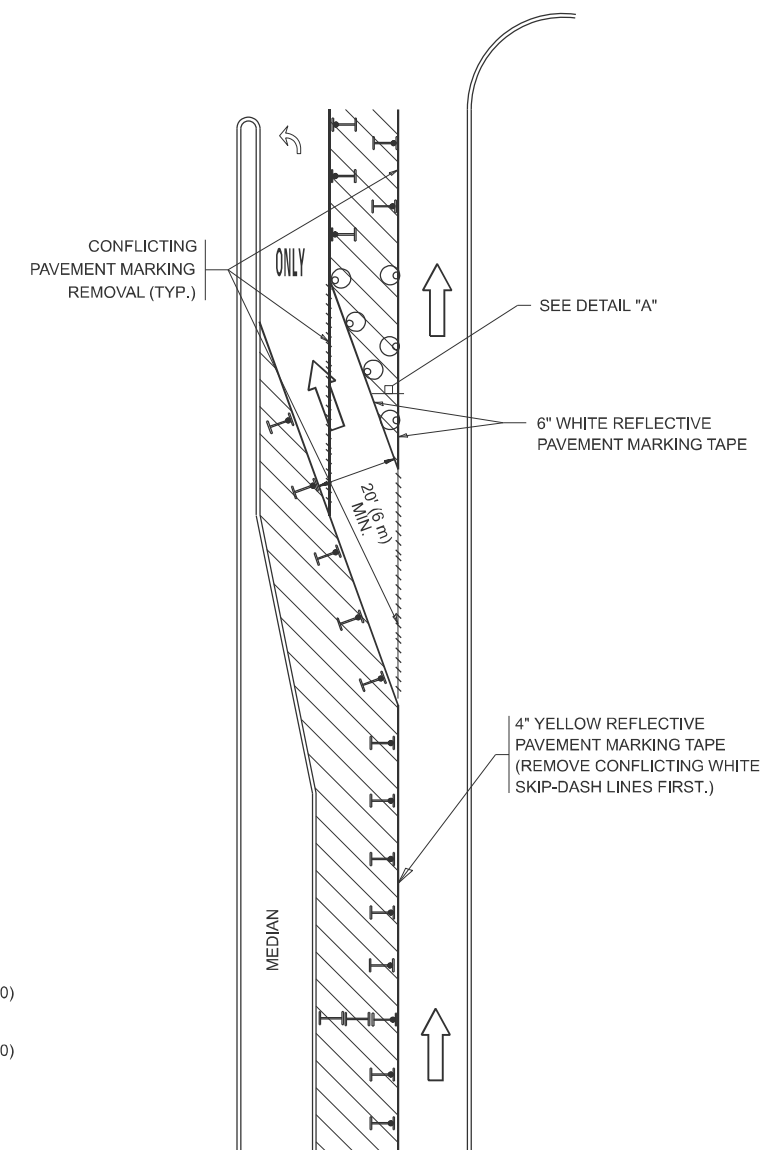
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	45
<b>TC-13</b>		CONTRACT NO. 80B09		
ILLINOIS		FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



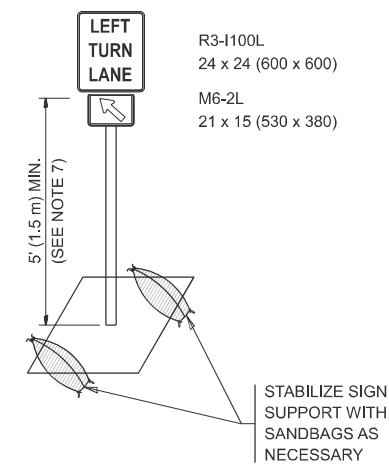
**FIGURE 2**

### LEGEND

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

### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 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.



**DETAIL A**

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

MODEL: TC-14 (Sheet)  
FILE NAME: c:\p\work\pwr\k\aborm\118410D116225-shr-Disc\Stds.dgn

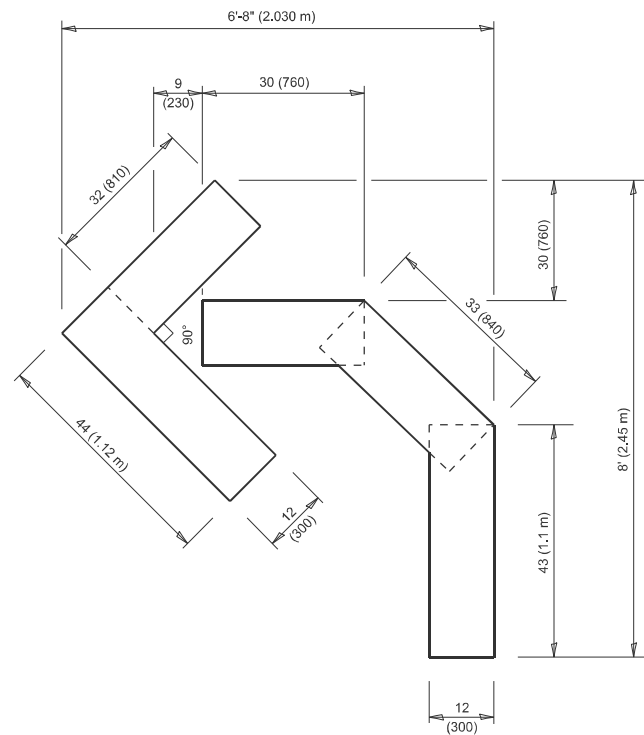
USER NAME = Rana.Kab	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 1/27/2026	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

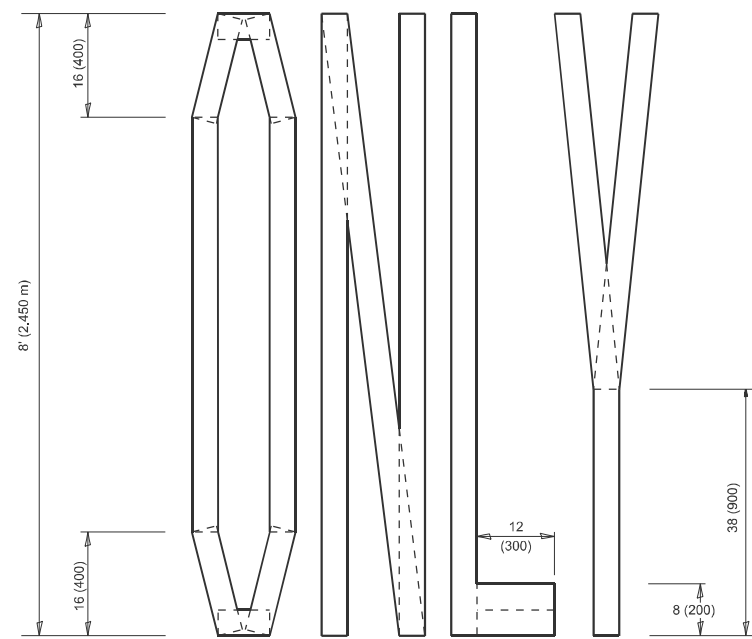
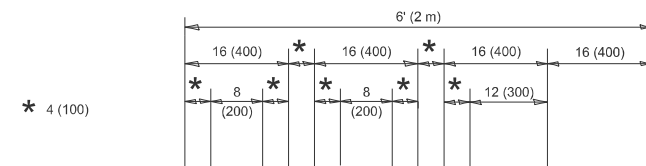
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	46
<b>TC-14</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



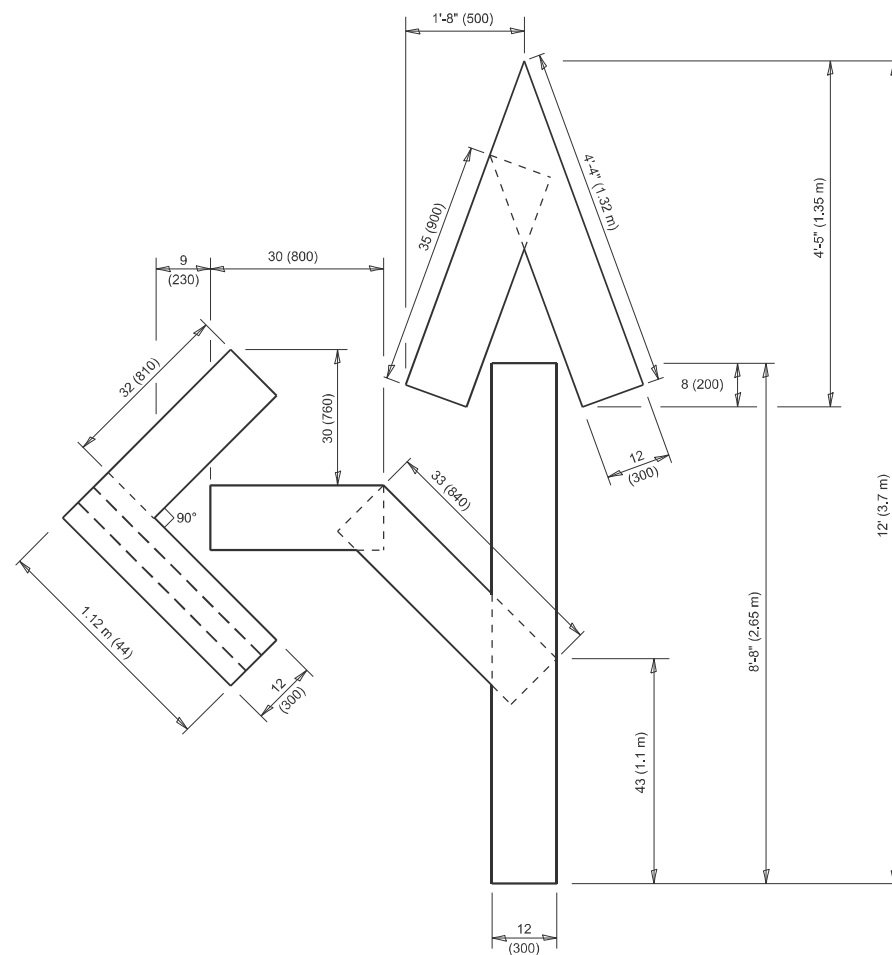
**QUANTITY**

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



**QUANTITY**

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

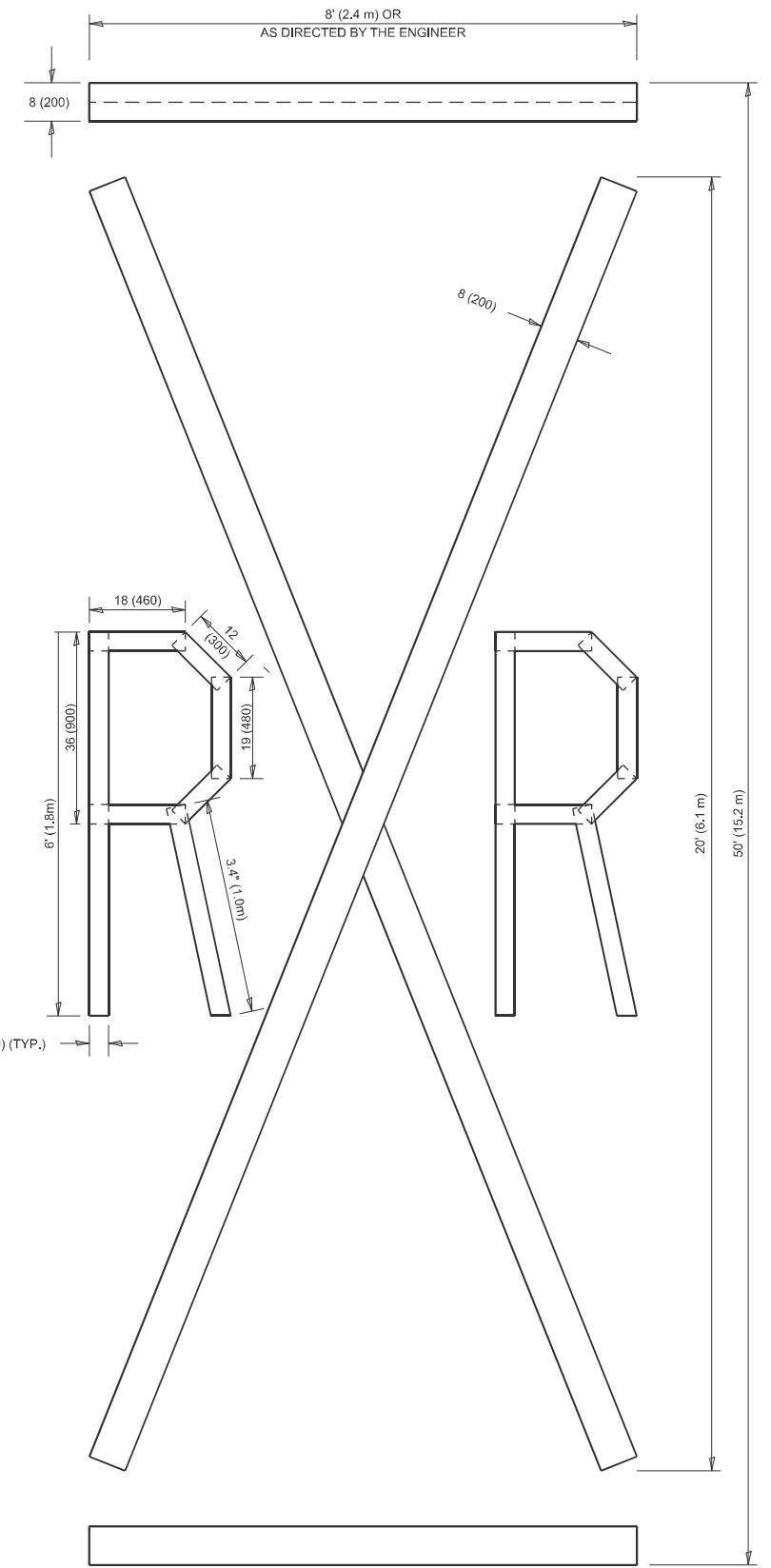


**QUANTITY**

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

**NOTE:**

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



**QUANTITY**

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

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

MODEL: TC-16 (Sheet)  
FILE NAME: c:\p\work\pav\marking\118410\116225-shr-Disc\Stds.dgn

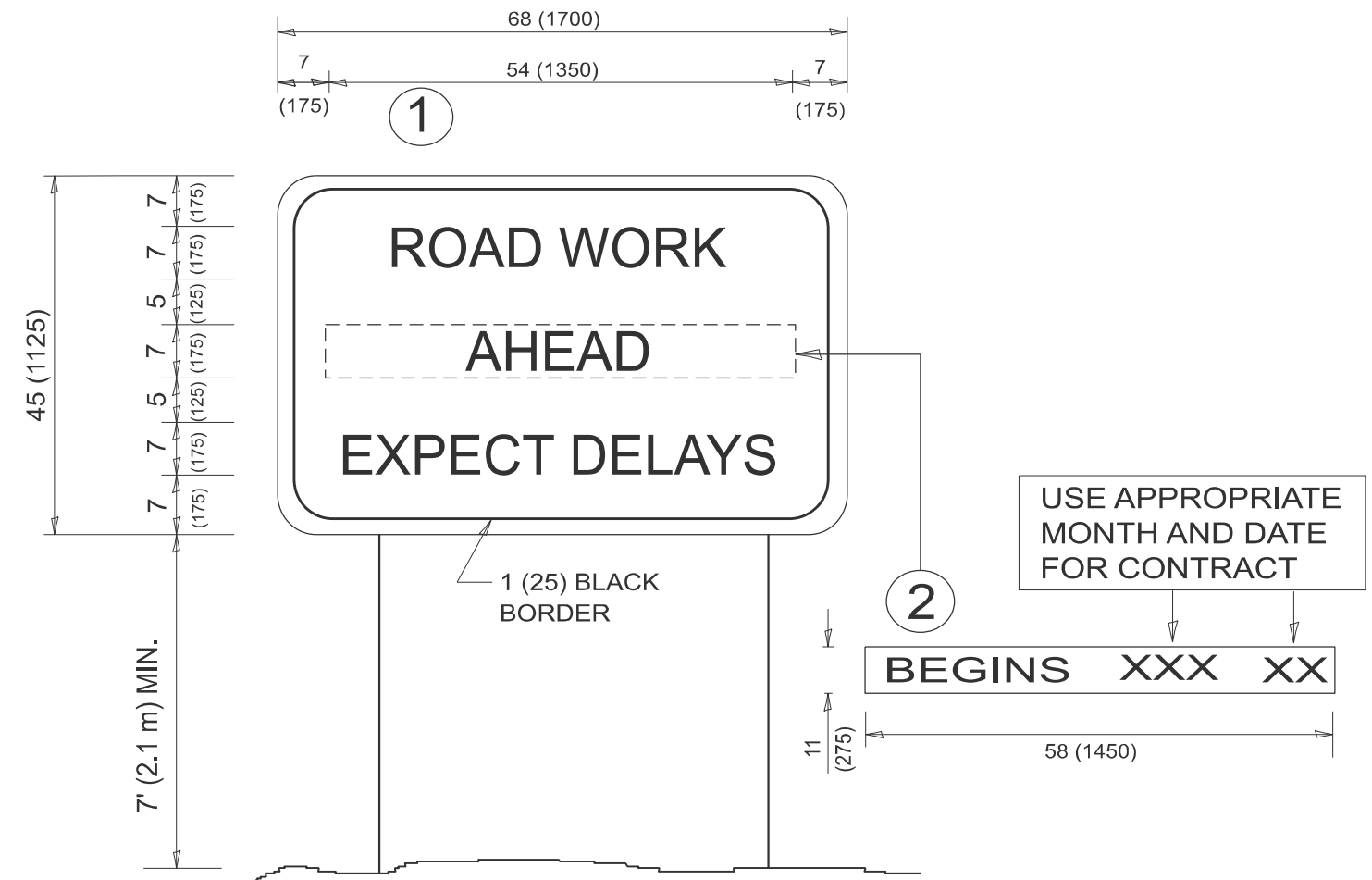
USER NAME = Rana.Kab	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 1/27/2026	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.
344B	2025-1097-RS	COOK	60	47
<b>TC-16</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

MODEL: TC-22 (Sheet)  
FILE NAME: c:\p\work\pwr\info\kabr\m\118410\116225-shr-Disc\Sigs.dgn

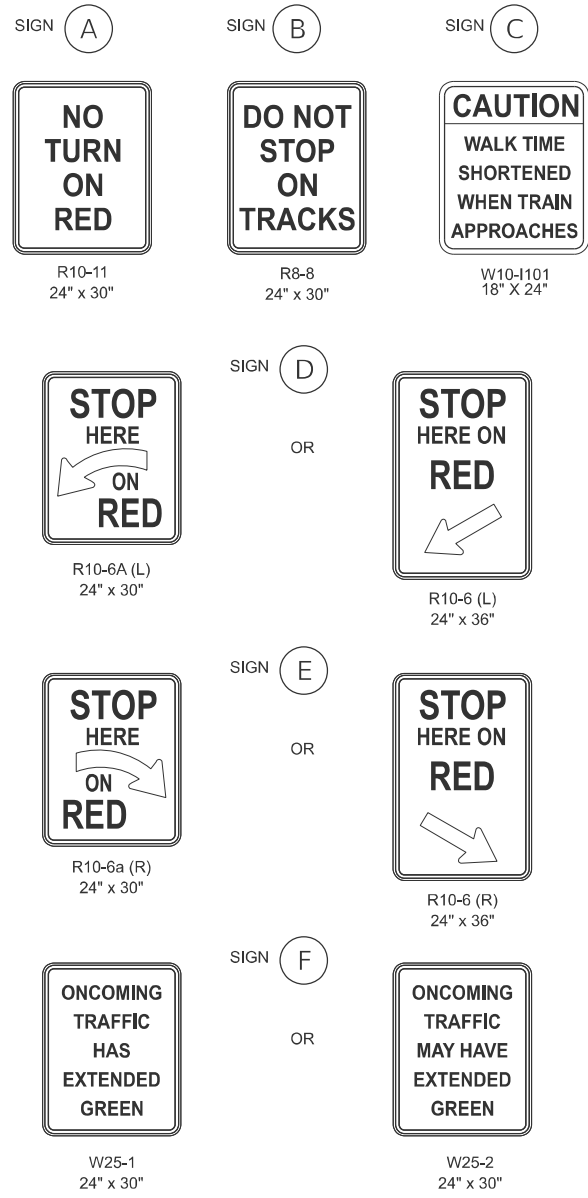
USER NAME = Rana.Kab	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 1/27/2026	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

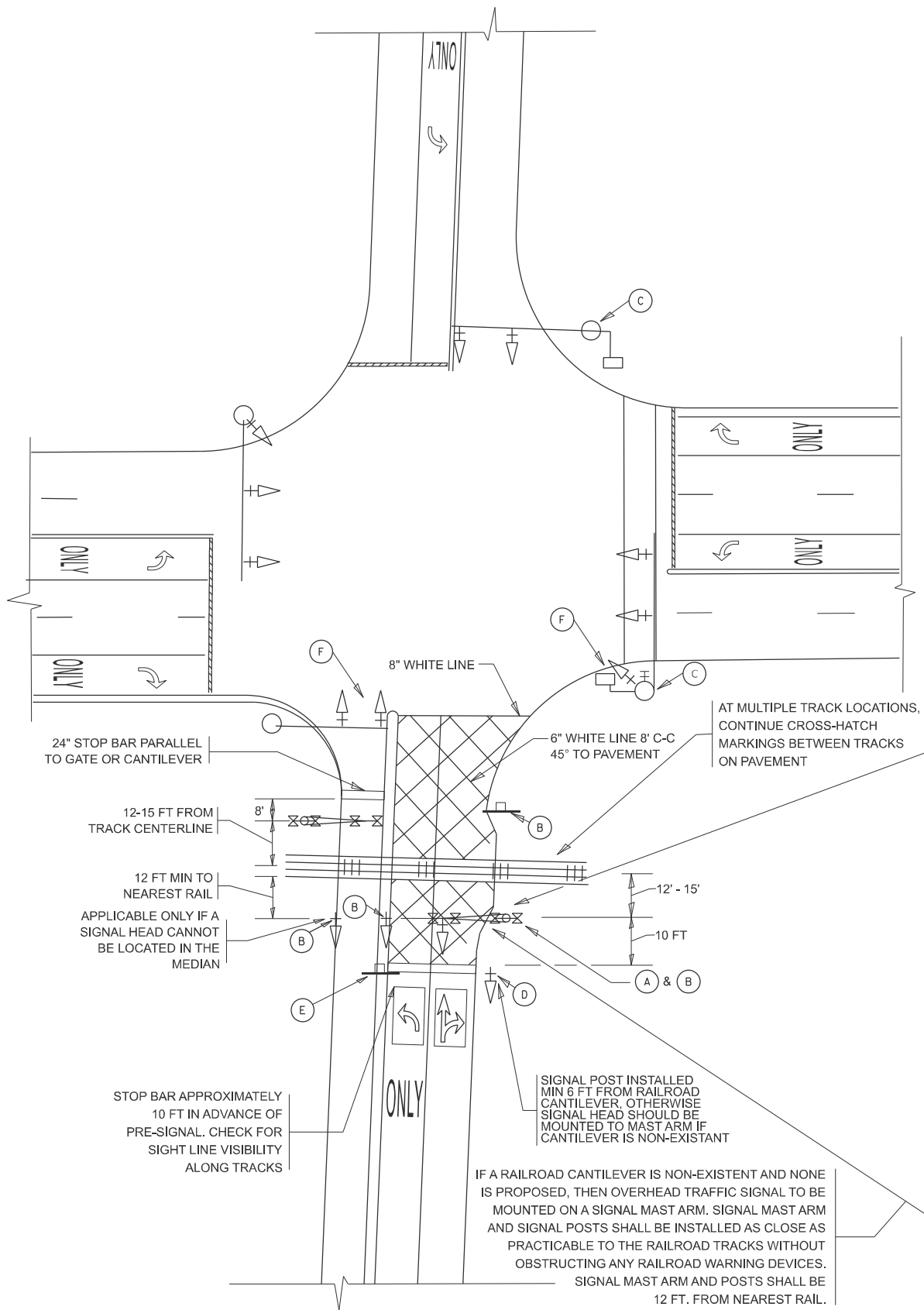
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	48
<b>TC-22</b>			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				



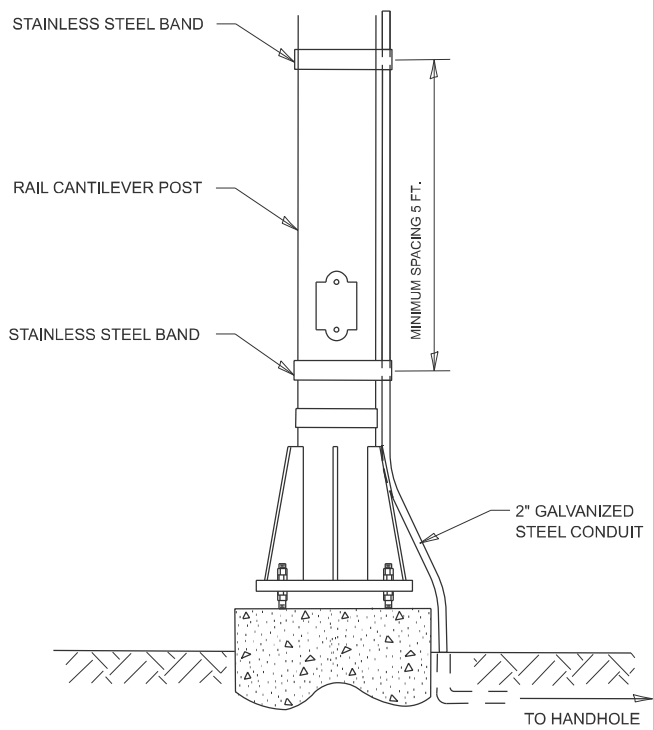
ONLY INSTALLED AS REQUIRED

CROSS-HATCH PAVEMENT MARKINGS MAY BE INSTALLED IN OPPOSITE DIRECTION LANES OF GRADE CROSSING APPROACH AS NEEDED.

PRE-SIGNAL POST MOUNTED TRAFFIC SIGNAL HEADS IN THE MEDIAN SHALL BE INSTALLED AT A MINIMUM VERTICAL CLEARANCE OF 4.5 FT FROM BOTTOM OF SIGNAL HEAD THE MEDIAN SURFACE. POST-MOUNTED TRAFFIC SIGNAL HEADS NOT IN THE MEDIAN SHALL BE INSTALLED AT A MINIMUM VERTICAL CLEARANCE OF 8 FT FROM BOTTOM OF SIGNAL HEAD TO SIDEWALK OR PAVEMENT GRADE.

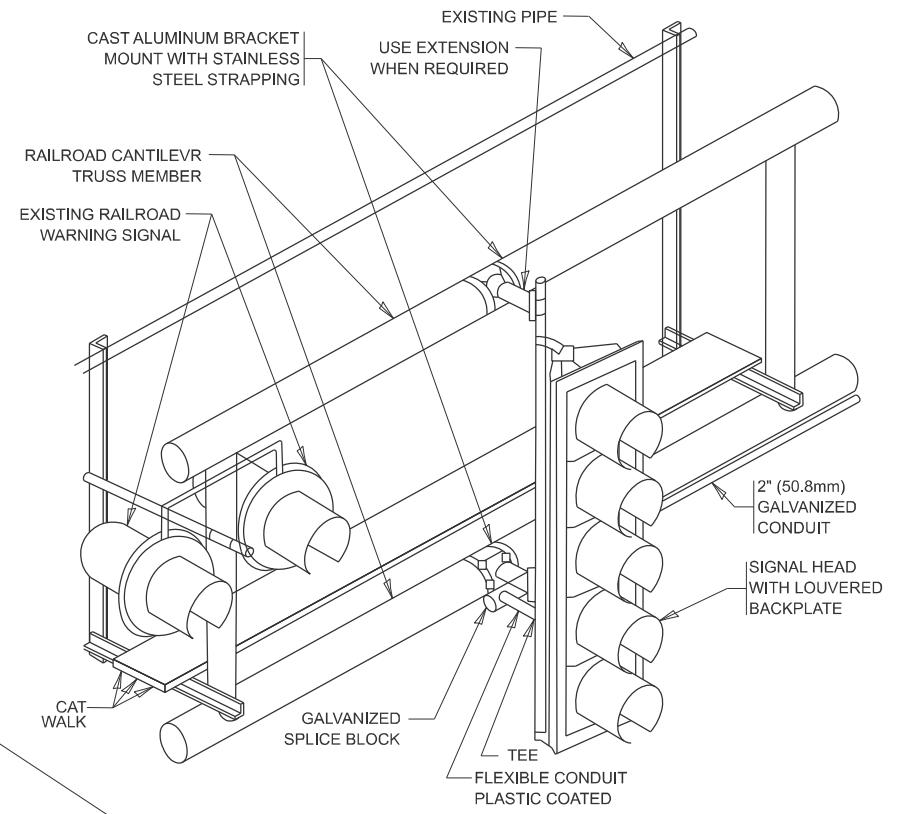


**SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL**



**SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL**

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.



**RAILROAD CANTILEVER SIGNAL HEAD MOUNTING**

USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

N.T.S.

MODEL: ADD TC 23A (Sheet)  
FILE NAME: c:\pdx\work\pdx\kabr\m1118410\116225-shr-Disc\Stds.dgn

USER NAME = Rana.Kab	DESIGNED -	REVISED - 04-26-12
	DRAWN -	REVISED - A.R. 07-11-16
	CHECKED -	REVISED - D.G. 8-22-19
PLOT DATE = 1/27/2026	DATE -	REVISED - K.K. 11-21-2025

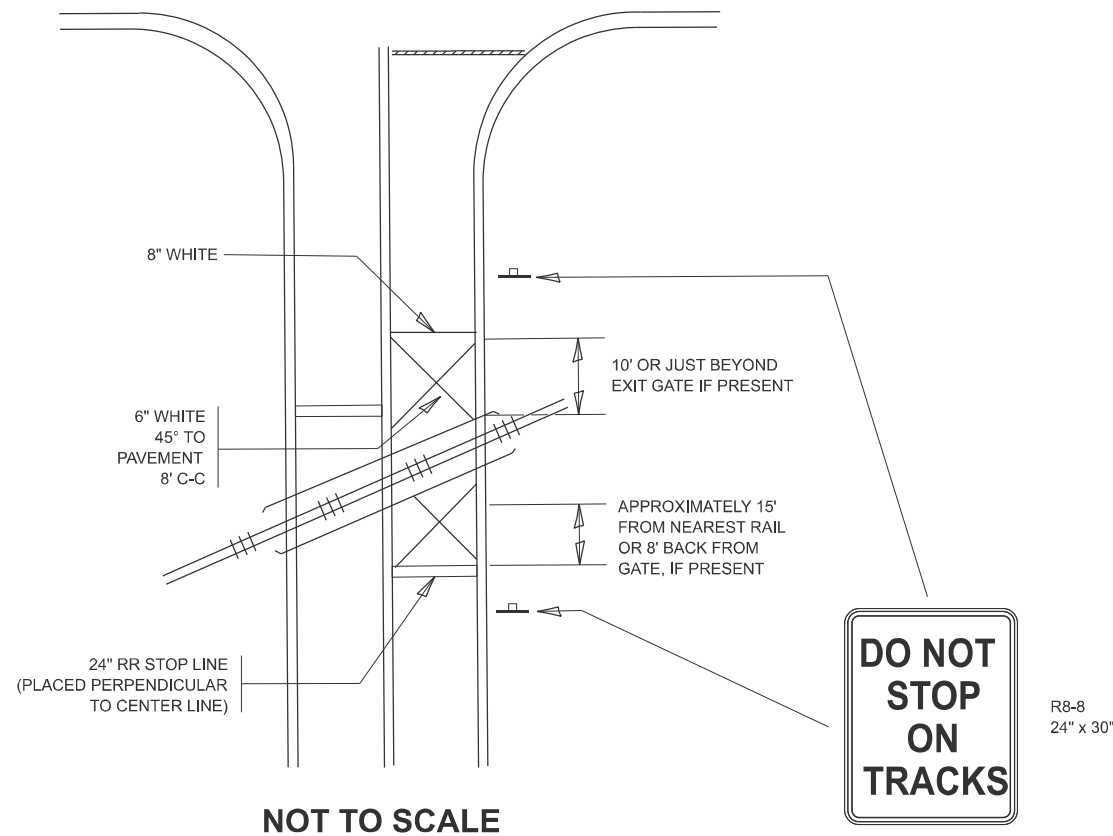
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS			
SCALE: NONE	SHEET 1	OF 2 SHEETS	STA. TO STA.

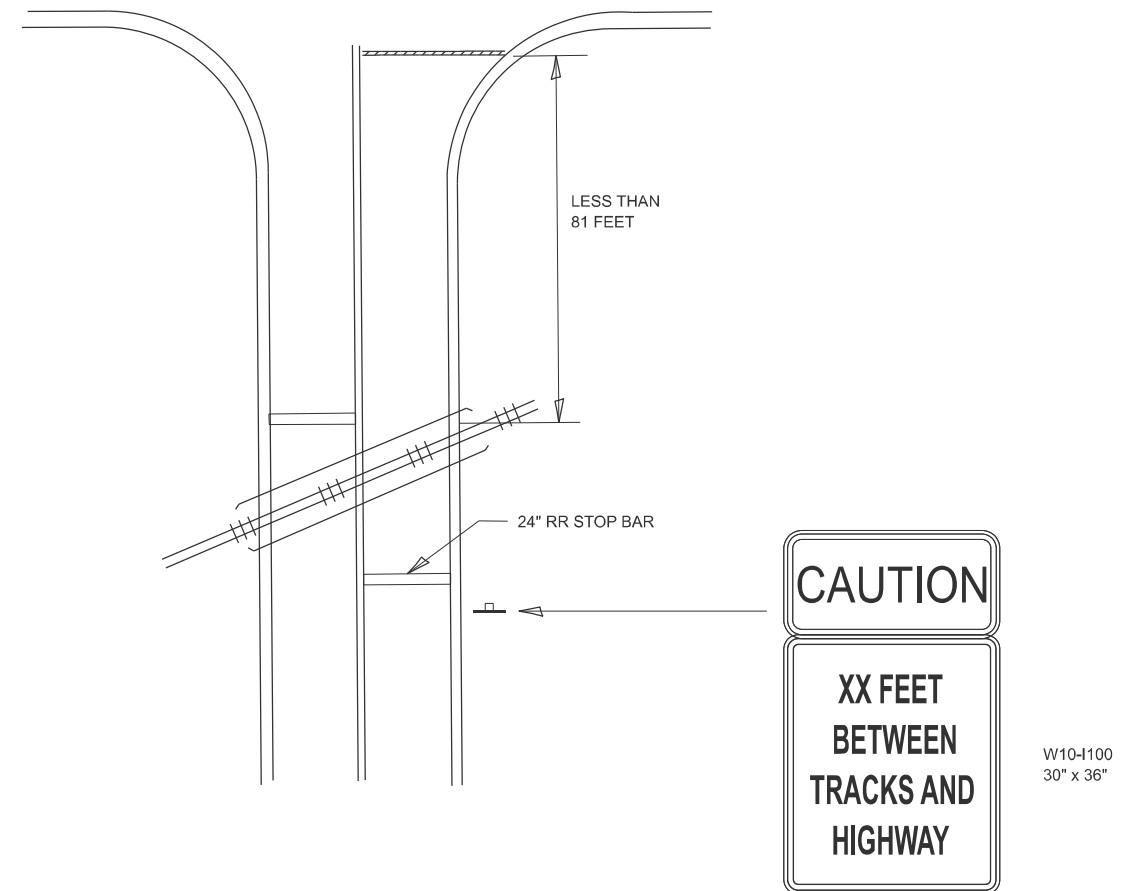
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	49
<b>TC-23</b>			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				

# TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

## WITH SIGNALIZED INTERSECTION



## WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



**NOTE:**

- CROSS-HATCH PAVEMENT MARKINGS MAY BE INSTALLED IN OPPOSITE DIRECTION LANES OF GRADE CROSSING APPROACH AS NEEDED.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS)
- AT MULTIPLE TRACK LOCATIONS, CONTINUE CROSS-HATCH MARKINGS BETWEEN TRACKS ON PAVEMENT.
- CROSS-HATCH MARKINGS MAY BE INSTALLED AT LOCATIONS WITHOUT A SIGNALIZED INTERSECTION BASED ON AN ENGINEERING REVIEW OR AS DIRECTED BY ICC.

**NOTE:**

- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

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

MODEL: ADD TC 23B (Sheet)  
FILE NAME: c:\p\work\pav\kabr\m118410\116225-shr-Disc\Std.dgn

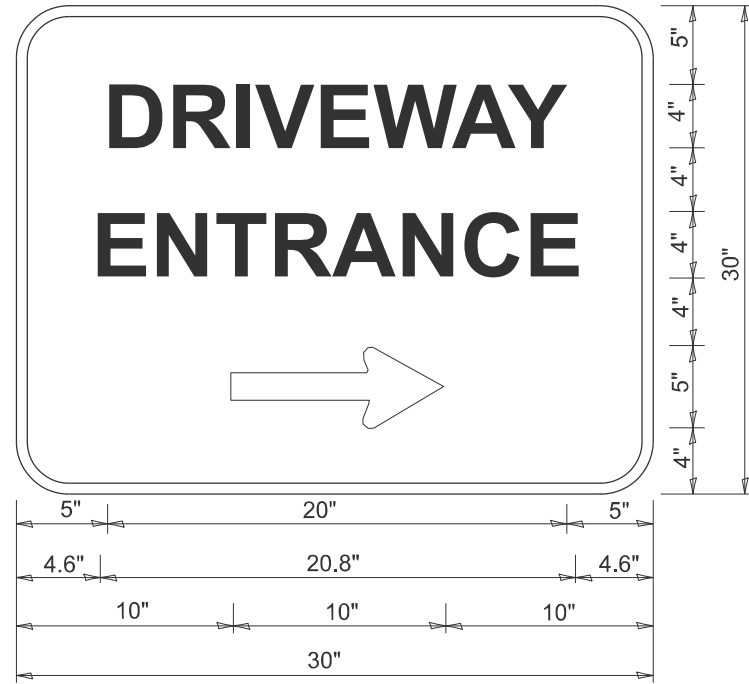
USER NAME = Rana.Kabo	DESIGNED -	REVISED - K.K. 11-21-2025
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING  
TREATMENT FOR RAILROAD CROSSINGS

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

F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 50
TC-23		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



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

**NOTES:**

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

MODEL: ADD TC 26 (Sheet)  
 FILE NAME: c:\p\work\pwr\kabr\m\118410\116225-shr-Drs\Stds.dgn

USER NAME = Rana.Kabo	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/27/2026	DATE -	REVISED -

**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.
344B	2025-1097-RS	COOK	60	51
<b>TC-26</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

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

MODEL: TS-05A (Sheet)  
FILE NAME: c:\pdk\work\pdk\ts05a\ts05a.dgn

USER NAME = Rana.Kab	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

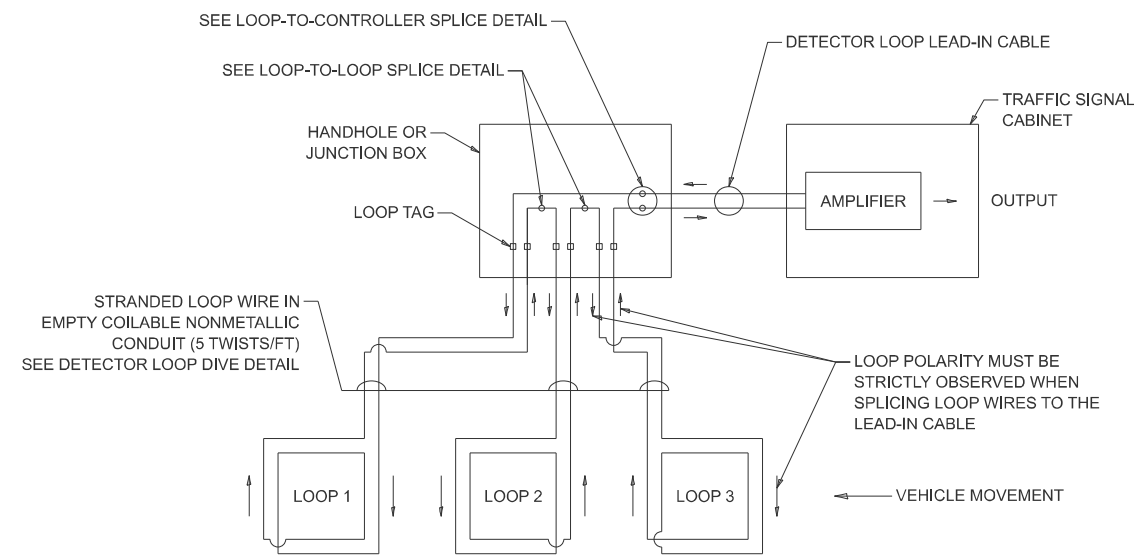
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

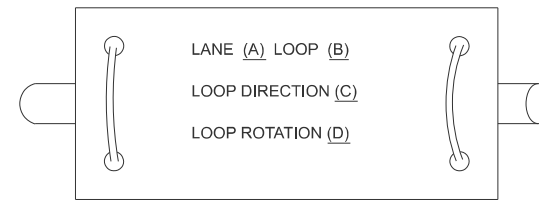
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	52
<b>TS-01</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

## DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE, SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

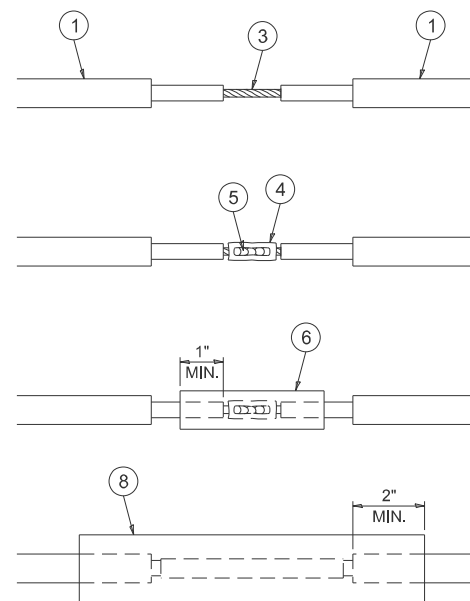


**DETECTOR LOOP WIRING SCHEMATIC**



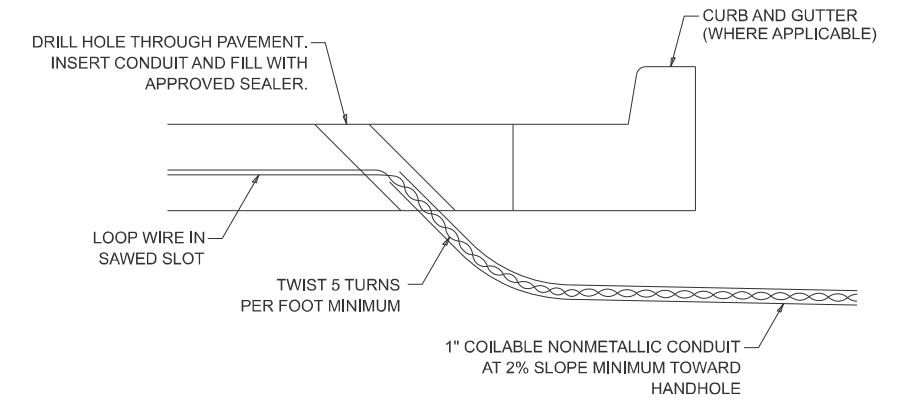
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

## DETECTOR LOOP LEAD-IN CABLE TAG

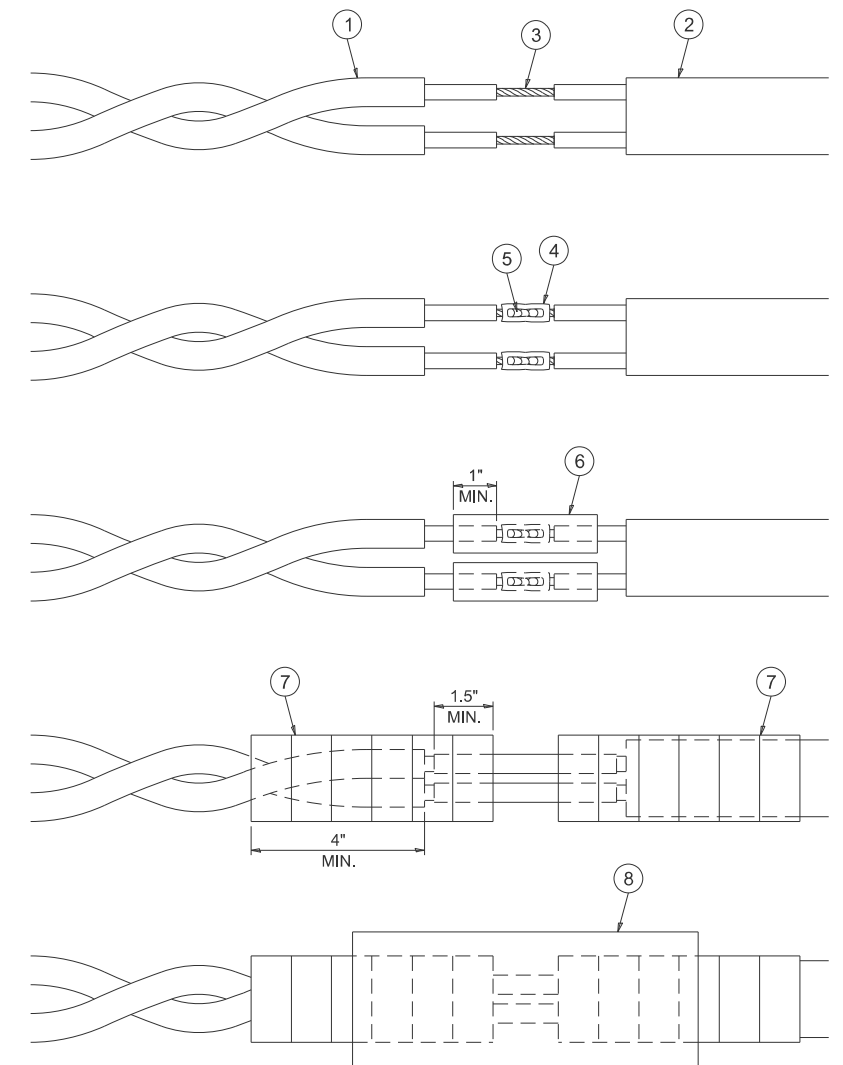


## LOOP-TO-LOOP SPLICE DETAIL

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



## DETECTOR LOOP DIVE DETAIL



## LOOP-TO-CONTROLLER SPLICE DETAIL

MODEL: TS-05B (Sheet)  
FILE NAME: c:\p\work\pav\ts05b\ts05b.dgn

USER NAME = Rana.Kab	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

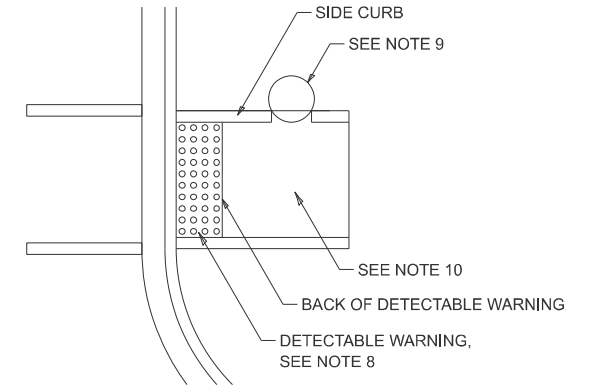
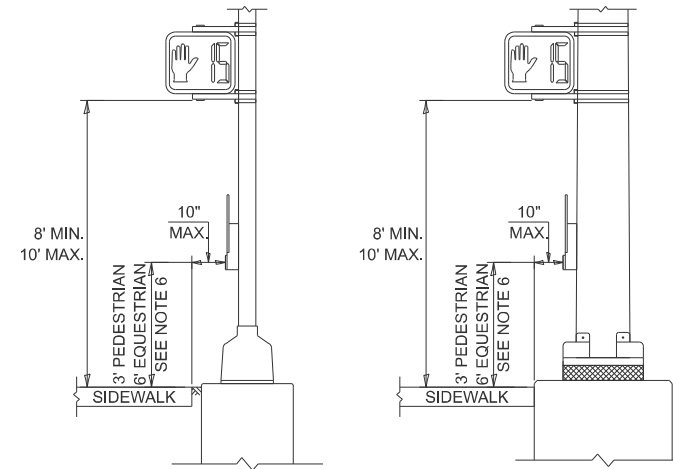
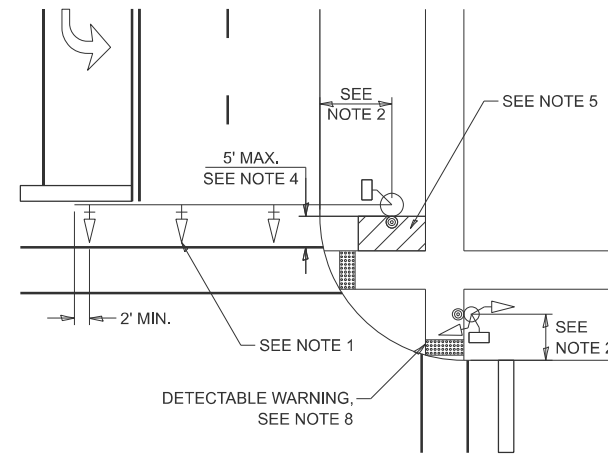
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	53
TS-01		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

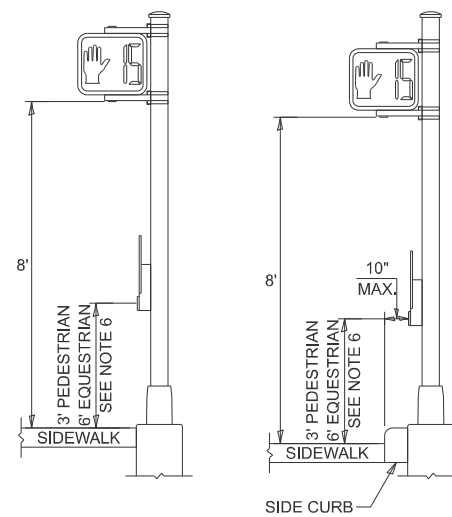
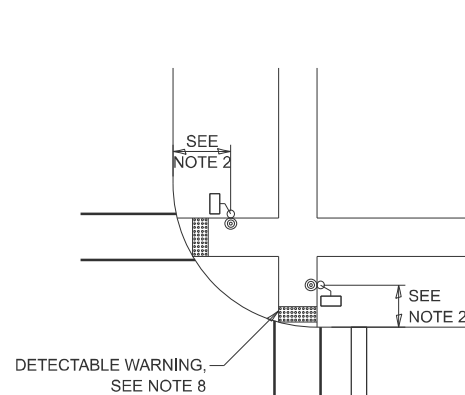
**NOTES:**

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

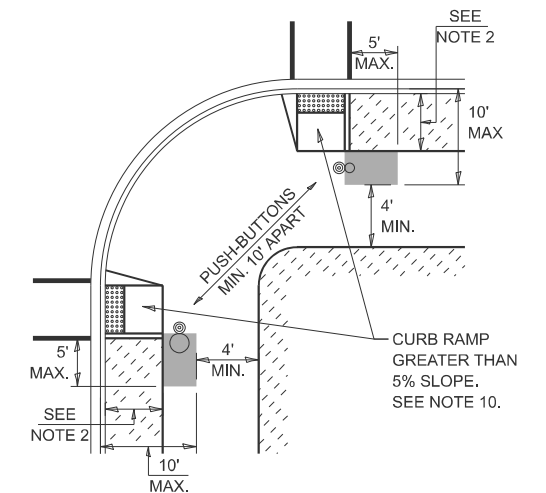
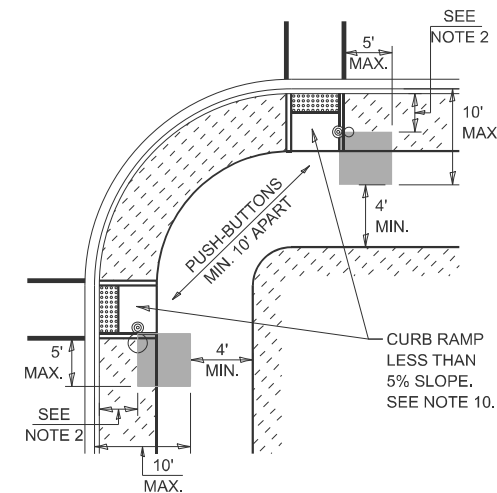
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**



**PEDESTRIAN SIGNAL POST**



**PUSH-BUTTON LOCATIONS**



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

**TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS**

**NOTES:**

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

MODEL: TS-05C (Sheet)  
FILE NAME: c:\p\work\prowag\kabr\m111841\01D116225-sh+DisStds.dgn

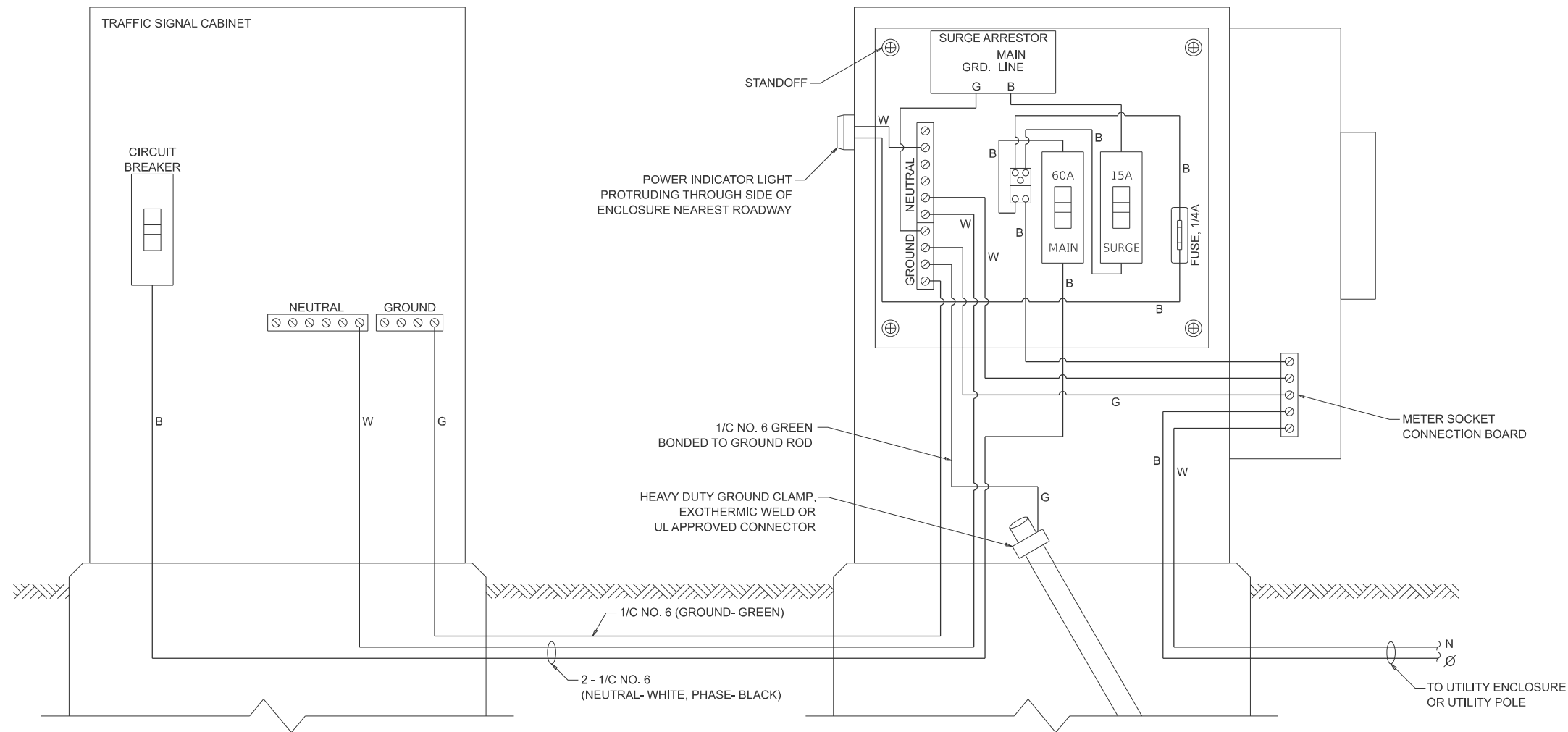
USER NAME = Rana.Kab	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

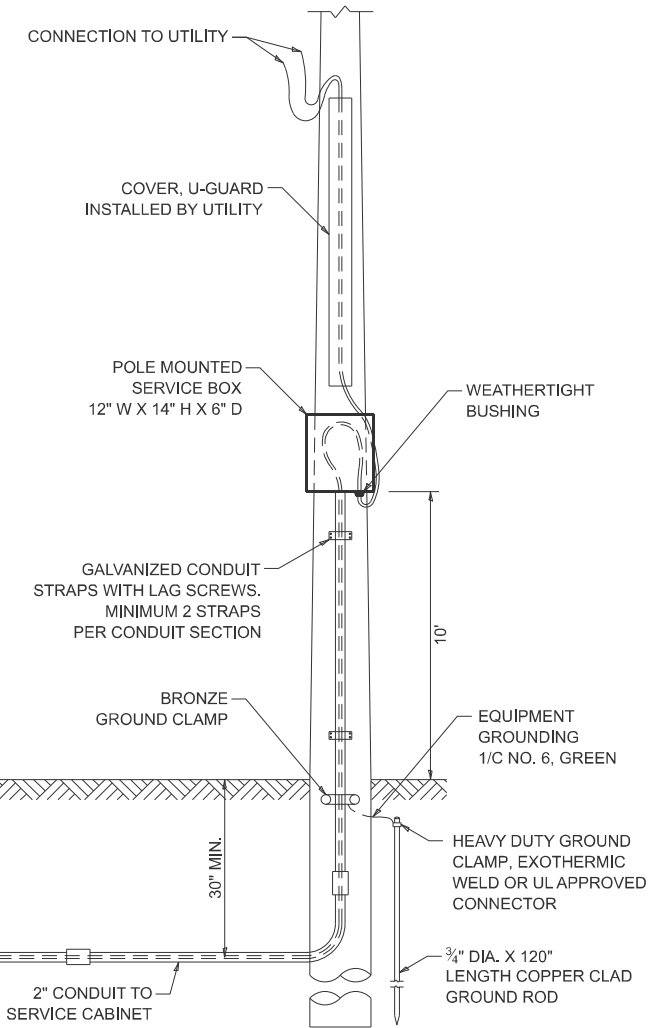
F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 54
<b>TS-01</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



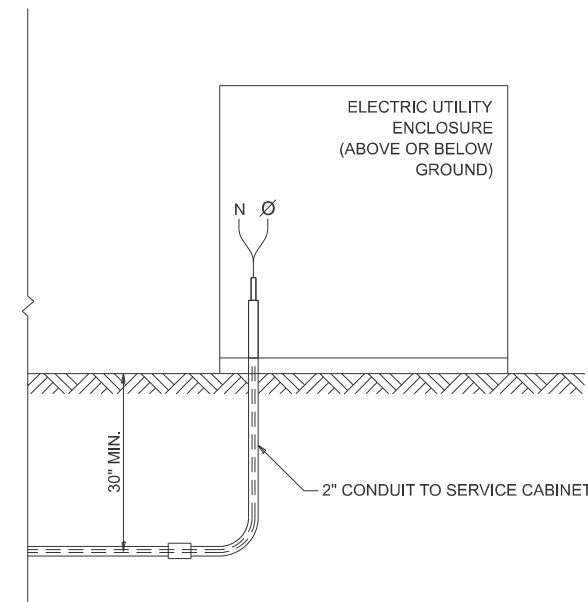
**ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET**

**NOTES:**

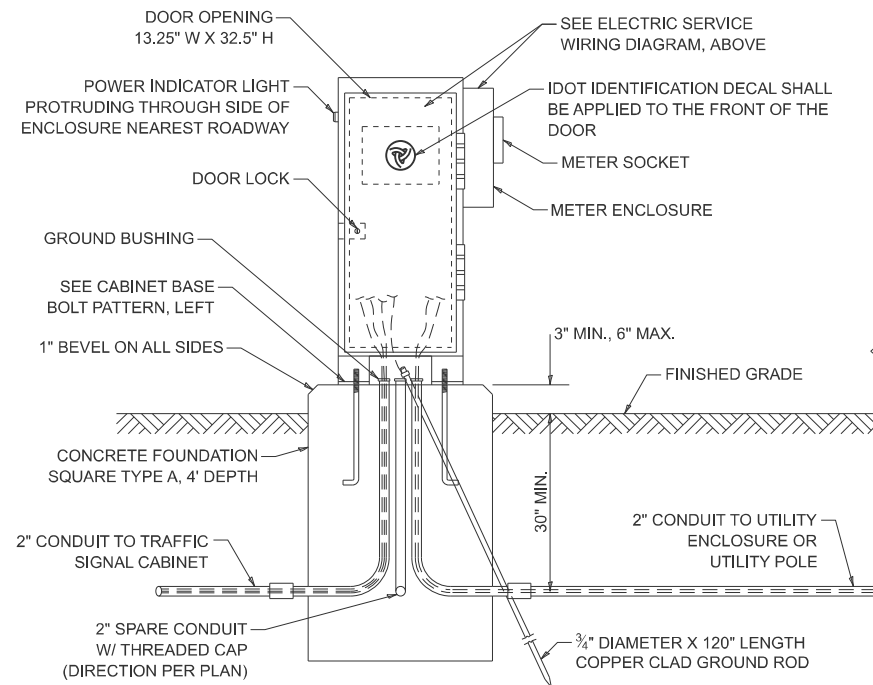
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3.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



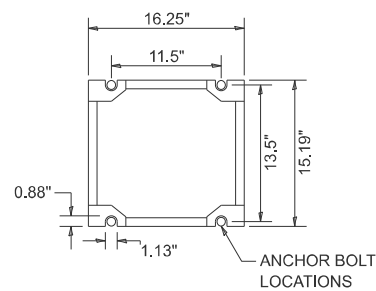
**CONNECTION TO UTILITY POLE**



**CONNECTION TO UTILITY ENCLOSURE**



**SERVICE INSTALLATION - GROUND MOUNTED WITH METER**



**CABINET BASE BOLT PATTERN**

MODEL: TS-05D (Sheet)  
FILE NAME: c:\p\work\pwr\ts\ts05d\118410D116225-sh+DisSds.dgn

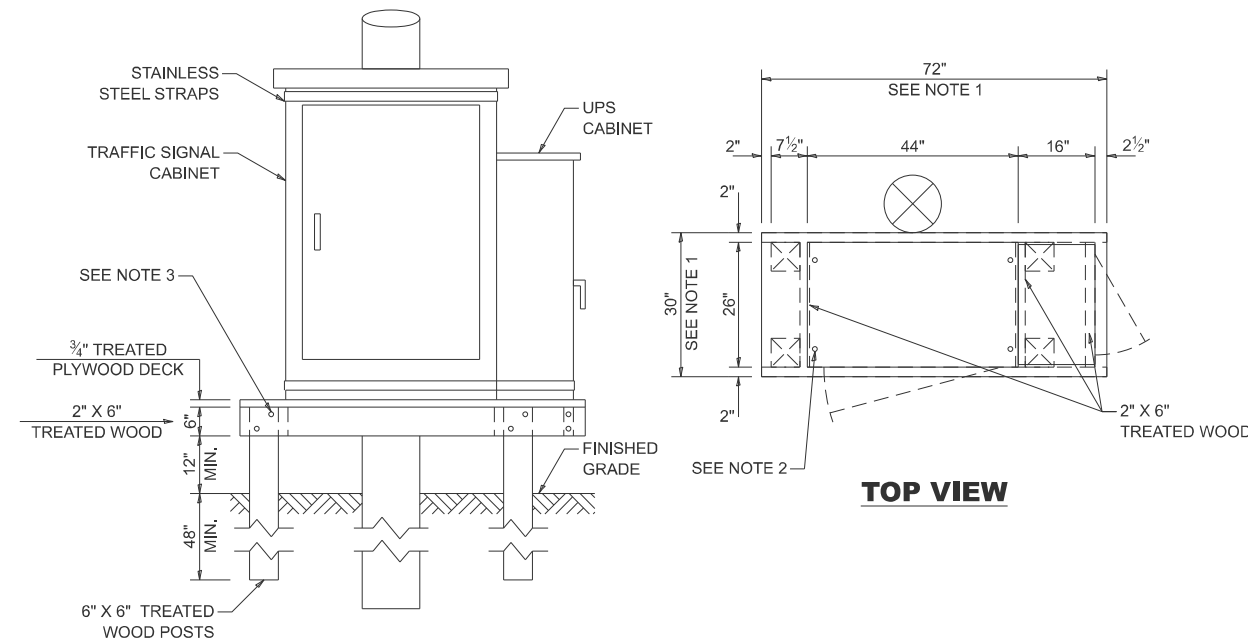
USER NAME = Rana.Kab	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 55
<b>TS-01</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

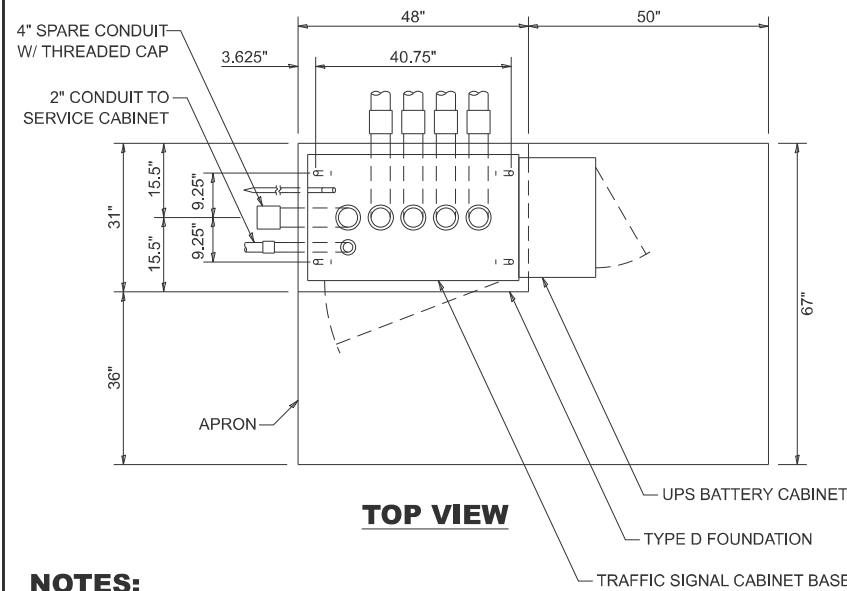
**TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM**

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

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

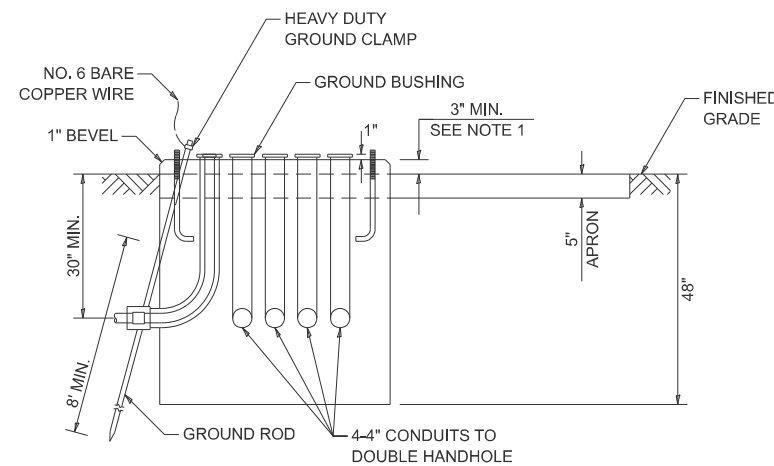
**TYPE E FOUNDATION NOTES:**

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

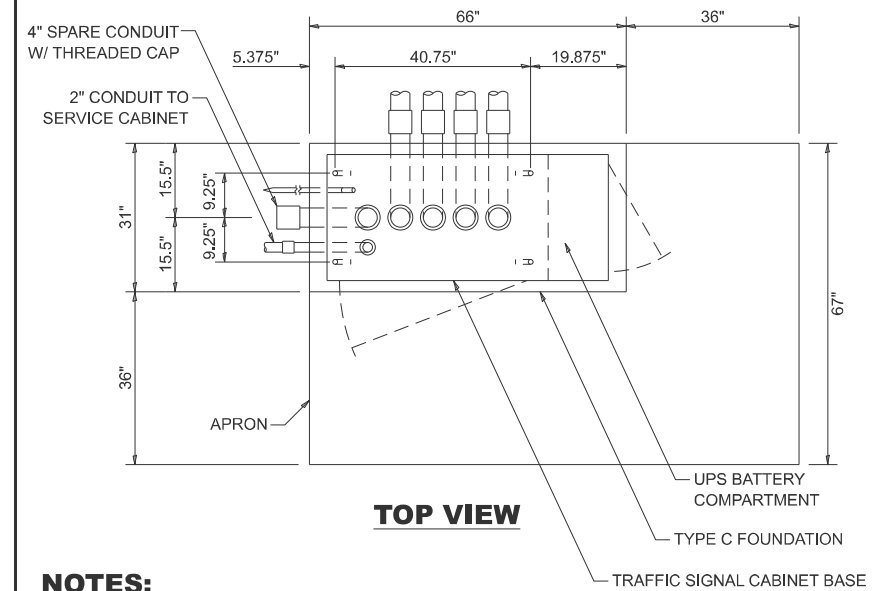


**NOTES:**

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

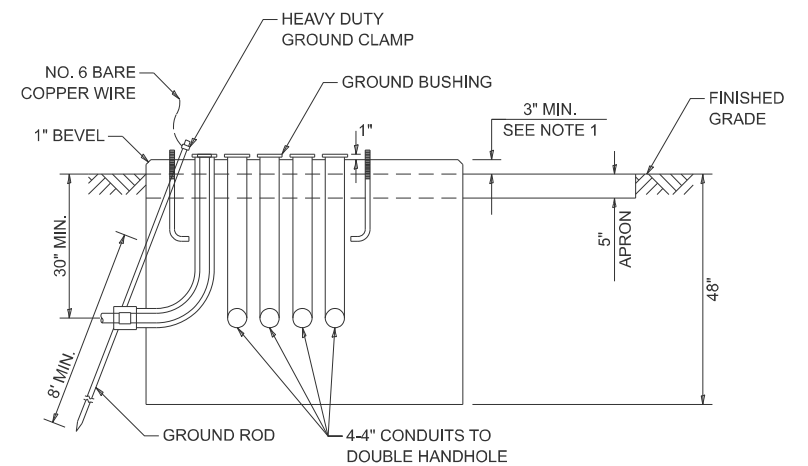


**TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET**



**NOTES:**

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



**TYPE C FOUNDATION SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS**

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

**DEPTH OF FOUNDATIONS TYPES A, C & D**

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

**VERTICAL CABLE LENGTH**

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

**CABLE SLACK LENGTH**

MODEL: TS-05E (Sheet) FILE NAME: c:\p\work\pwr\ts\ts05e\ts05e.dgn

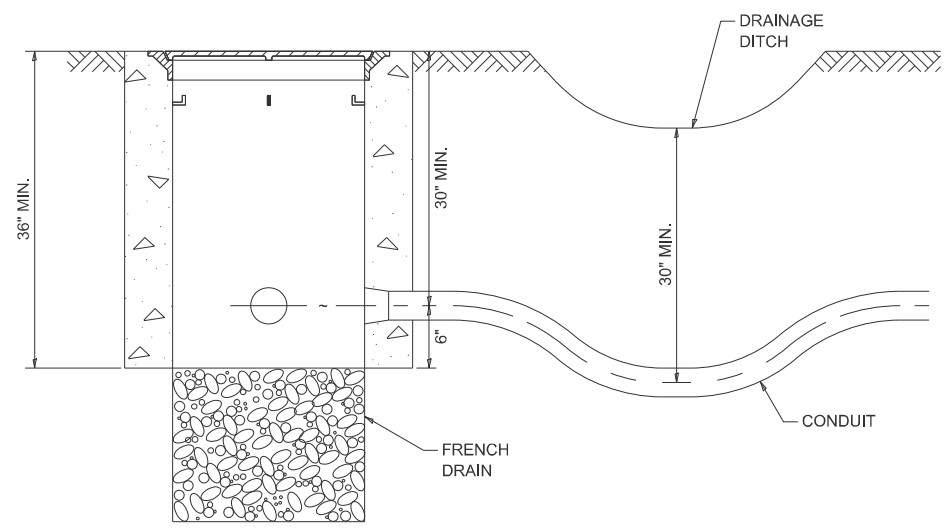
USER NAME = Rana.Kab	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

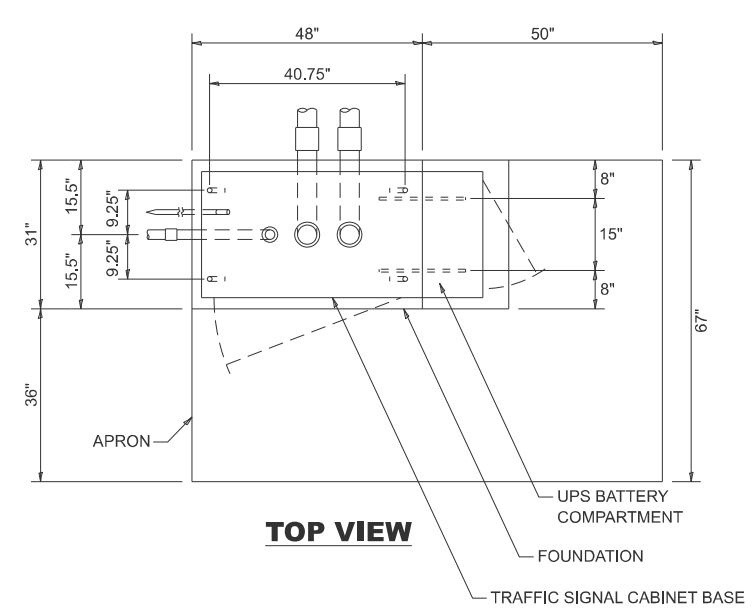
F.A.P RTE. 344B	SECTION 2025-1097-RS	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 56
<b>TS-01</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



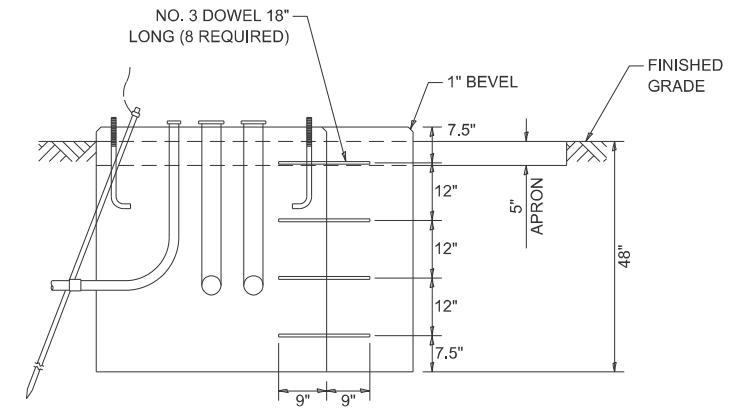
**NOTES:**

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

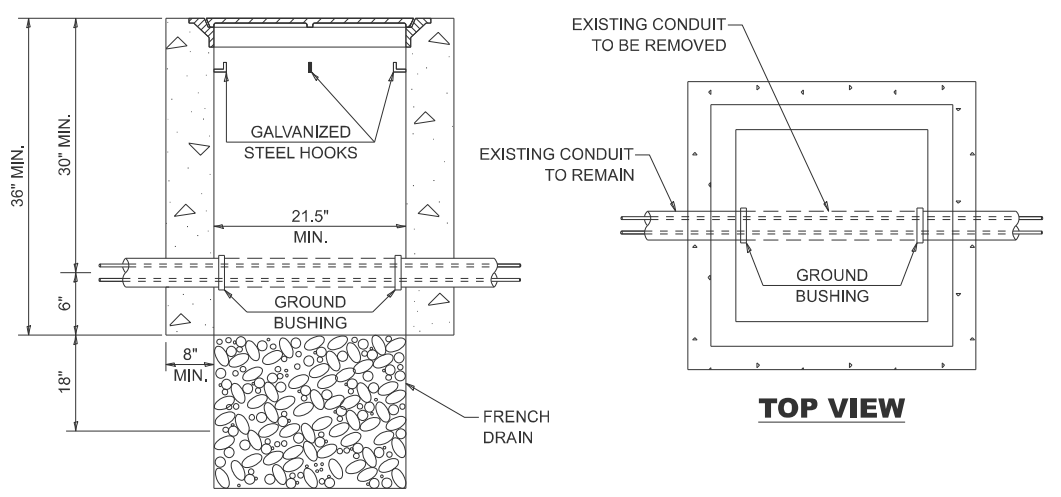
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**



**TOP VIEW**



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

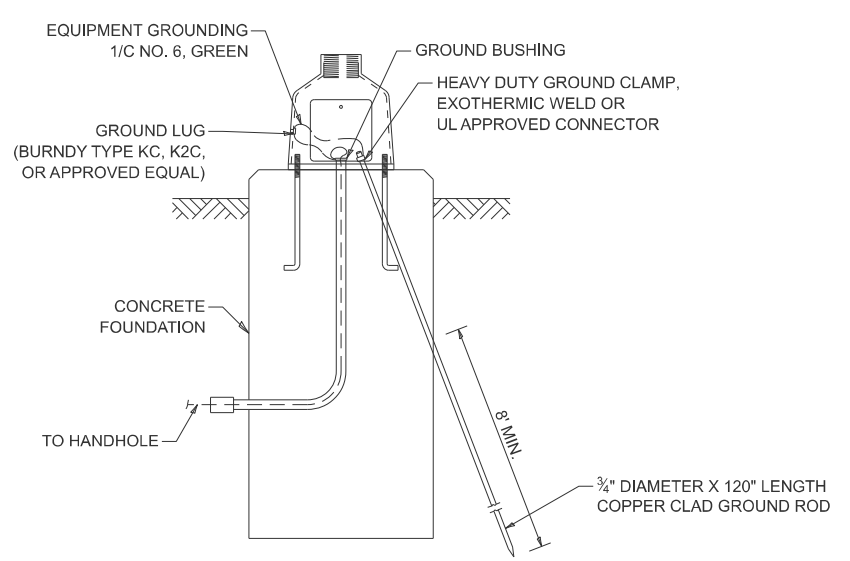


**TOP VIEW**

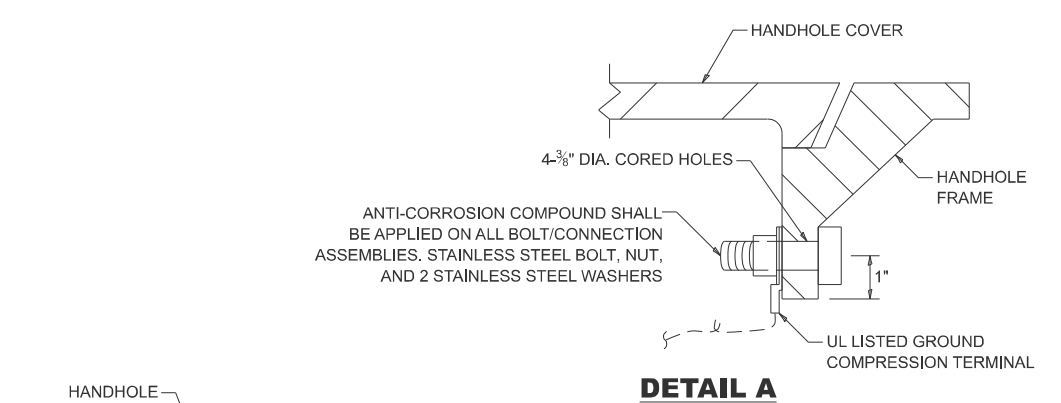
**NOTES:**

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

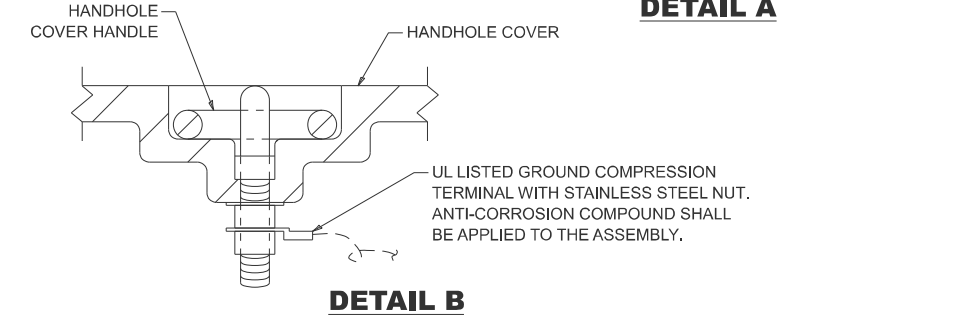
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**



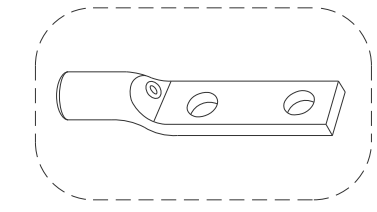
**MAST ARM / POST GROUNDING DETAIL**



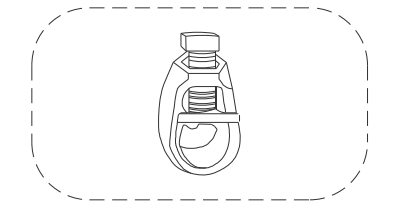
**DETAIL A**



**DETAIL B**



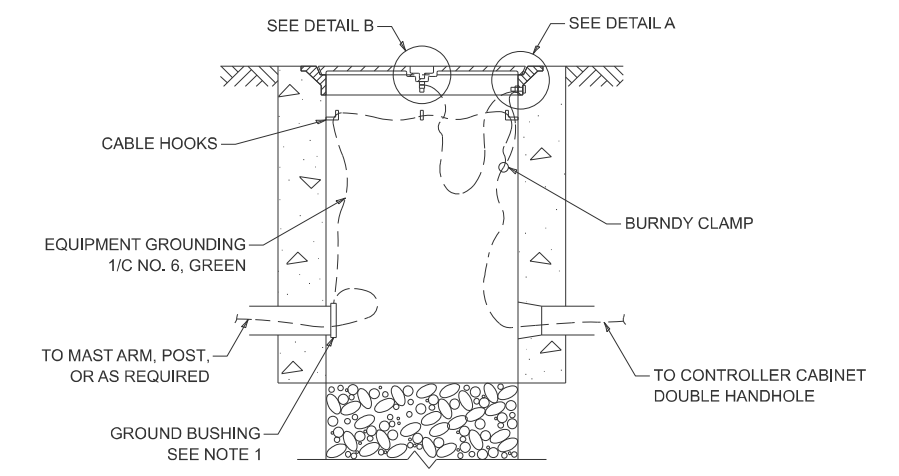
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

**NOTES:**

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



**HANDHOLE GROUNDING DETAIL**

MODEL: TS-05F (Sheet) FILE NAME: c:\p\work\pwr\ts05f\ts05f.dgn

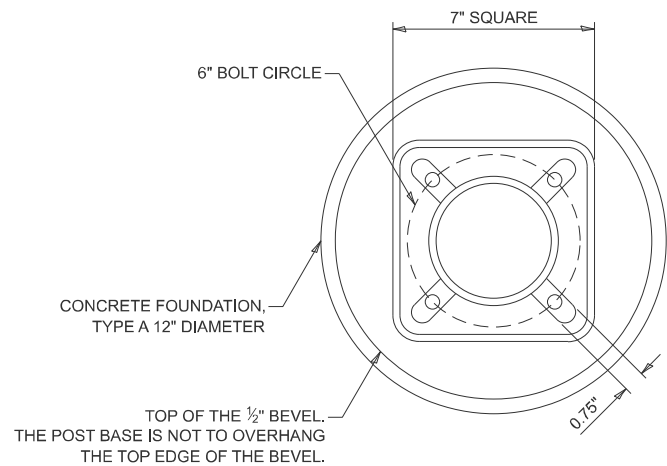
USER NAME = Rana.Kabo	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

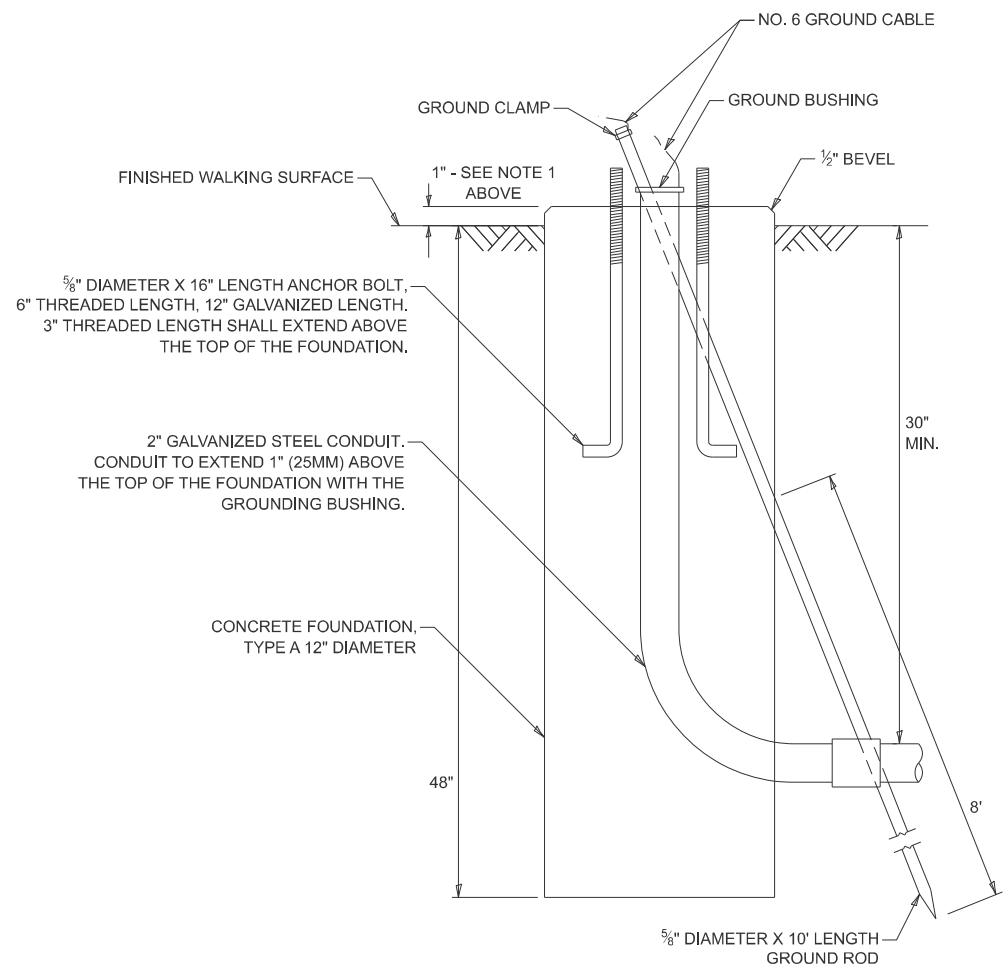
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	57
<b>TS-01</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				



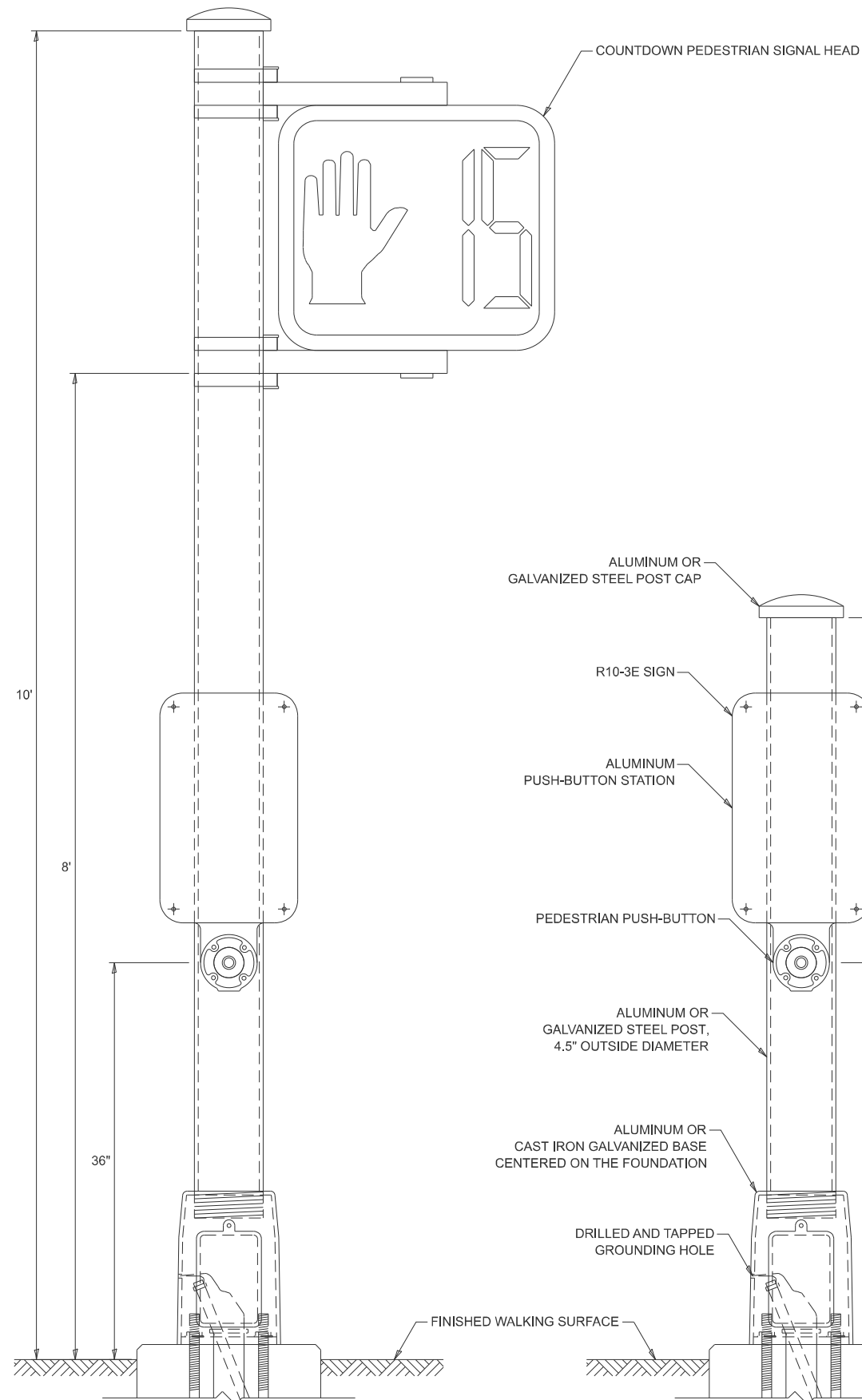
**BOLT PATTERN**

**NOTES:**

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

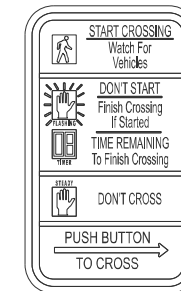


**CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**

**PEDESTRIAN SIGNAL POST, 5 FT.**



R10-3E  
9" X 15"



W10-101  
18" X 24"

**SIGN NOTES:**

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

MODEL: TS-05G (Sheet)  
FILE NAME: c:\p\work\pavilion\aborm\118410\116225-sh+DisStds.dgn

USER NAME = Rana.Kab	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/27/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

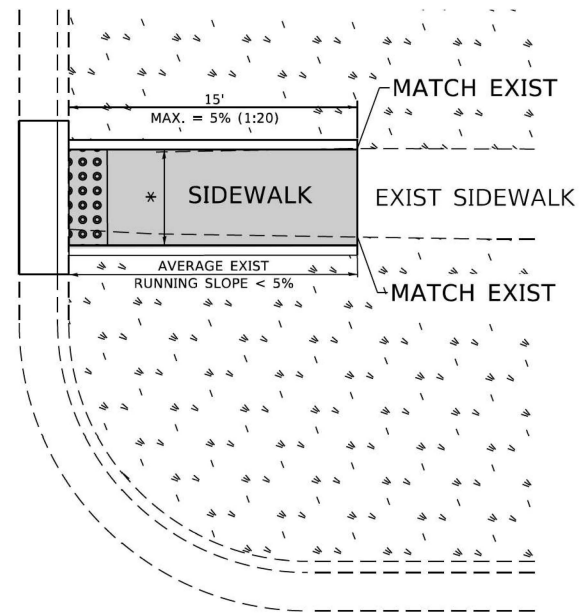
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

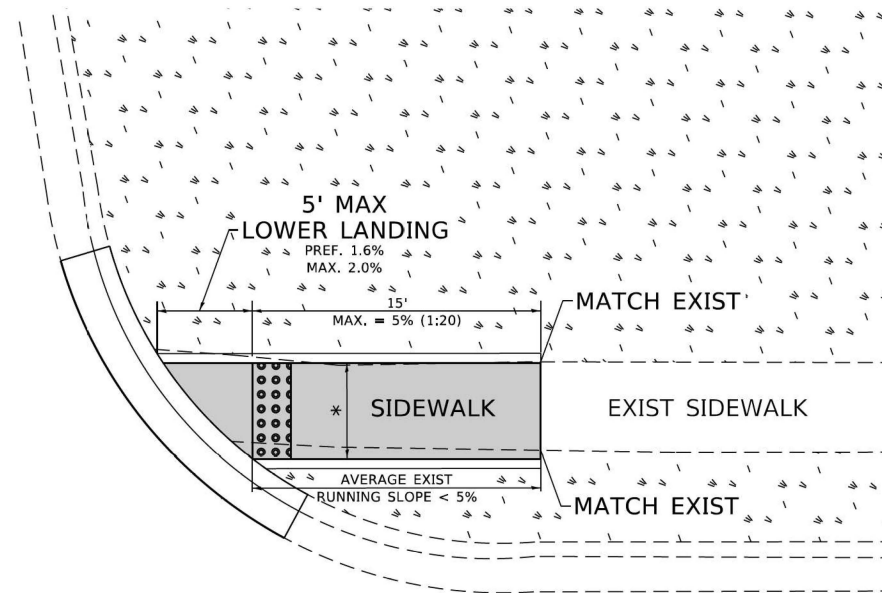
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	58
<b>TS-01</b>		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

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

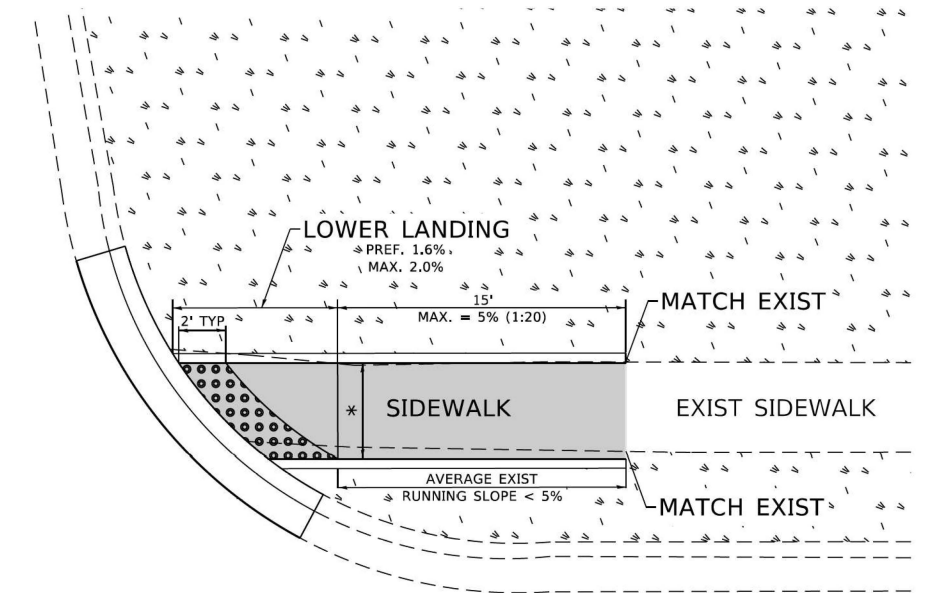
**PD-01A**



**PD-01B**



**PD-01C**



**LEGEND**

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

**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: Default  
 FILE NAME: p:\pub\plancom\dot.illinois.gov\PIWDOT\Documents\DOT\_Offices\Dir\rtt\_1\Projects\15422-2\1\CAD\Drawn\CAD\sheet\p01.dgn

USER NAME	gaglianobt	DESIGNED -	REVISD -
DRAWN -	R. LEDEZMA	REVISD -	
PLOT SCALE	= 100.0000' / in.	CHECKED -	REVISD -
PLOT DATE	= 12/9/2019	DATE -	10/02/2019
		REVISD -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

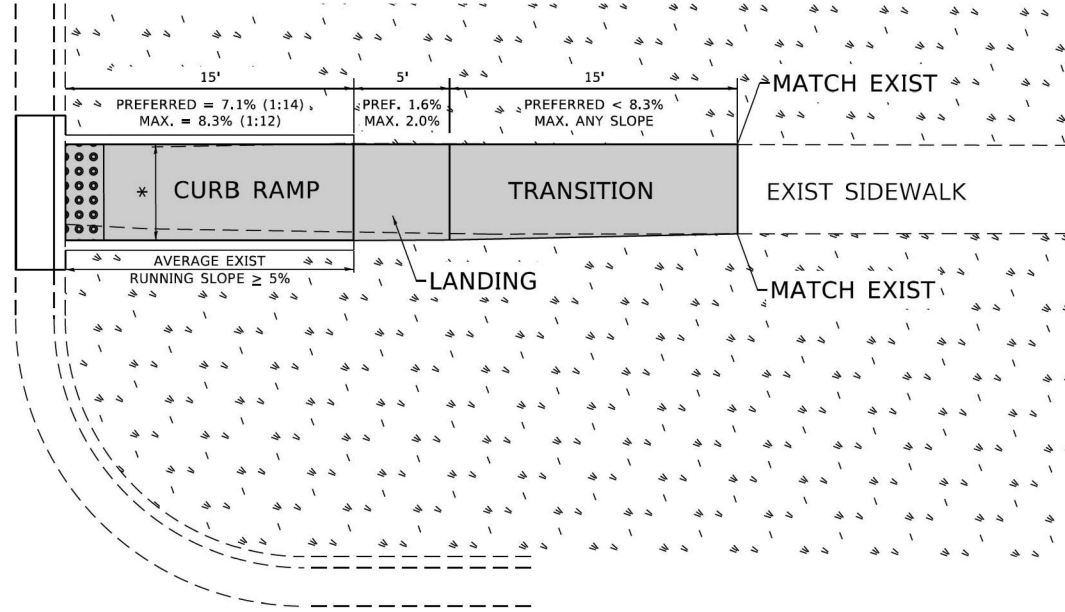
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-01)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

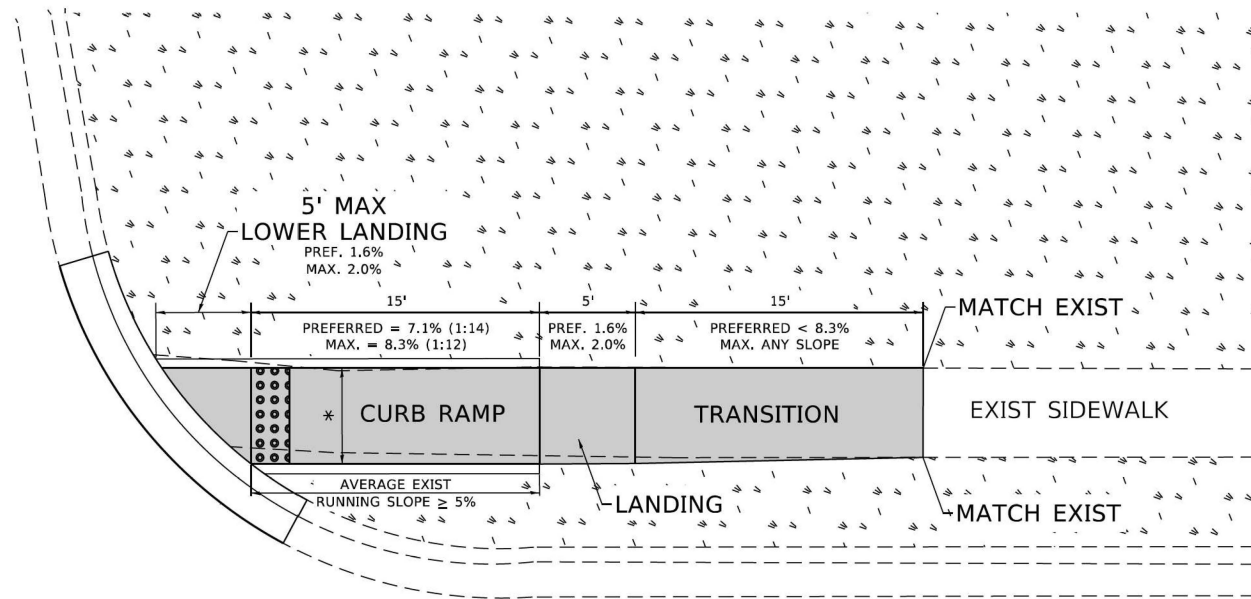
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	59
PD-01		CONTRACT NO. 80B09		
ILLINOIS FED. AID PROJECT				

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

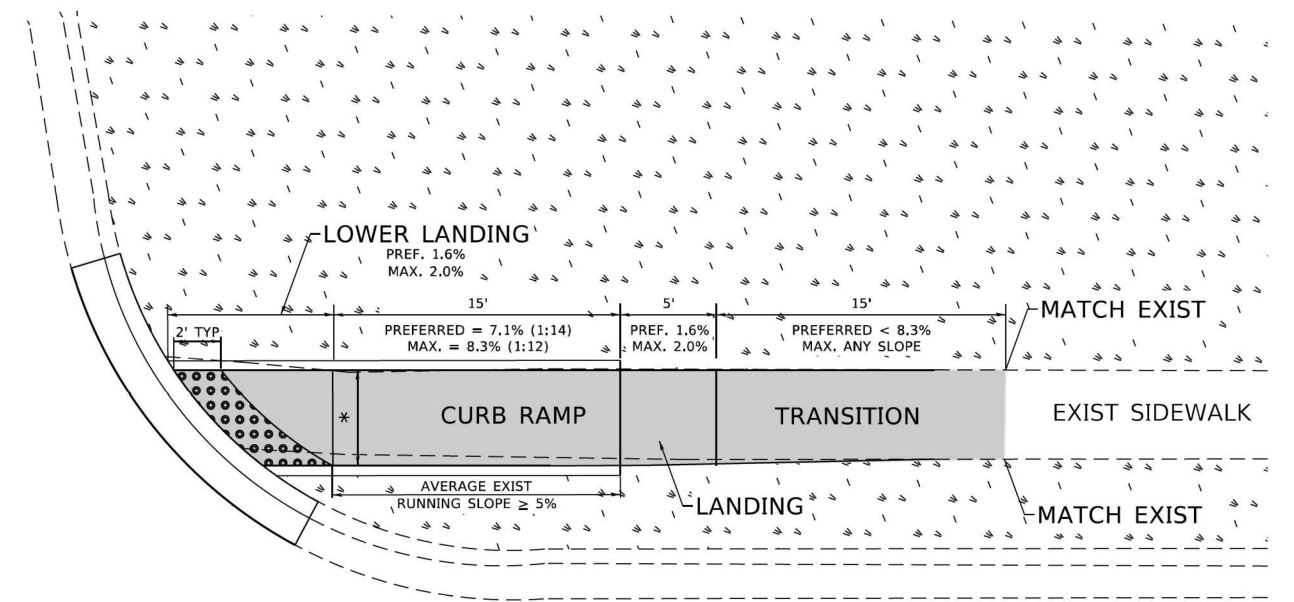
**PD-02A**



**PD-02B**



**PD-02C**



**LEGEND**

- 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

MODEL: Default  
FILE NAME: p:\pub\amcom\dot\illinois.gov\PIV\DOT\Documents\DOT\_Offices\Dir\dot\_1\Projects\11515422\21\CAD\Drawings\CD\sheet\pd02.dgn

USER NAME	gaglianobt	DESIGNED	-	REVISED	-
DRAWN	R. LEDEZMA	CHECKED	-	REVISED	-
PLOT SCALE	= 100.0000' / in.	DATE	10/02/2019	REVISED	-
PLOT DATE	= 12/13/2019				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344B	2025-1097-RS	COOK	60	60
PD-02			CONTRACT NO. 80B09	
ILLINOIS FED. AID PROJECT				