

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	1
		ILLINOIS	CONTRACT NO. 80C48	

D-91-114-26



LOCATION OF SECTION INDICATED THUS: -

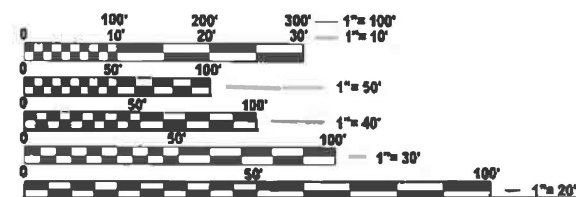
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF LIBERTYVILLE

DESIGN DESIGNATION
W PETERSON RD: OTHER PRINCIPAL ARTERIAL

TRAFFIC DATA (PETERSON RD.)
ADT = 13,900 (2023) WEST OF METRA TRACKS
ADT = 5,900 (2023) WB, EAST OF METRA TRACKS
ADT = 6,800 (2023) EB, EAST OF METRA TRACKS

POSTED SPEED
45 MPH



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: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 80C48

PROPOSED
HIGHWAY PLANS
FAP 371 & 352 (W PETERSON ROAD)
SECTION: 2025-2105-RS
PROJECT: NHPP-NFZL(567)
STANDARD OVERLAY & ADA IMPROVEMENTS
LAKE COUNTY

BEGIN PROJECT
PETERSON RD.
STA 20+71.0



LOCATION MAP NOT TO SCALE

GROSS LENGTH & NET LENGTH = 4645.0 FT. = 0.88 MILE

END PROJECT
PETERSON RD.
STA 67+16.0



WINSON TENG
062-074378
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
DATE: 03-10-2026

LICENSE EXPIRES 11-30-2027
WINSON TENG
MICHAEL BAKER INTERNATIONAL
SHEETS 1-18, 28-42

AMY SALISBURY
062-077798
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
DATE: 03-10-2026

LICENSE EXPIRES 11-30-2027
AMY SALISBURY
MICHAEL BAKER INTERNATIONAL
SHEETS 19-27

Michael Baker

INTERNATIONAL
200 W Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 · MBAKERINTL.COM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19th 2026
Joseph IR REGIONAL ENGINEER

May 8 2026
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2026
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3 - 9	SUMMARY OF QUANTITIES
10 - 12	TYPICAL SECTIONS
13	ALIGNMENT, TIES & BENCHMARKS
14	DETOUR SIGNING
15	ARTERIAL ROAD CLOSED INFORMATION SIGN
16 - 17	ROADWAY AND PAVEMENT MARKING PLAN
18	ADA RAMP DETAILS
19 - 25	DISTRICT 1 TRAFFIC SIGNAL DETAILS
26 - 27	TRAFFIC SIGNAL PLANS - US 45
28	ADA PD STANDARDS
29	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
30	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
31	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
32	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
33	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
34	TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
35	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
36	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
37	TRAFFIC CONTROL & PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
38	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
39	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
40	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)
41	ARTERIAL ROAD INFORMATION SIGN (TC-22)
42	DRIVEWAY ENTRANCE SIGNING (TC-26)

STATE HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442101-09	CLASS B PATCHES
442201-04	CLASS C & D PATCHES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
604051-04	FRAME AND GRATE TYPE 11
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B6
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L 2W, DAY ONLY, SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS-DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER. >= 45 MPH
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED
- ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AND AS SHOWN ON THESE PLANS.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIANS, UNLESS OTHERWISE SHOWN.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- DRAINAGE ADJUSTMENT LOCATIONS WILL BE AS SHOWN ON THE PLANS AND/OR AS DETERMINED IN THE FIELD BY THE ENGINEER.
- ADJUSTMENTS OF FRAMES AND GRATES/LIDS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, AT BRANDY.KENNEDY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL SHORT-TERM PAVEMENT MARKINGS ON FINAL SURFACES SHALL BE TYPE IV TAPE.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR REFERENCE ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- MILLING AND RESURFACING UNDER THE RAILROAD STRUCTURE MUST NOT CHANGE OR NEGATIVELY IMPACT THE MINIMUM VERTICAL CLEARANCE UNDER THE STRUCTURE.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACE SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
- ALL EXISTING PAVEMENT MARKINGS WITHIN THE PCC CONCRETE PROJECT LIMITS SHALL BE RESTORED ON NEW PAVEMENT SURFACES OR OVERLAID ON EXISTING PAVEMENT SURFACES WITH MODIFIED URETHANE, EXCEPT FOR LOCATIONS WITH EXISTING GROOVED PREFORMED PLASTIC PAVEMENT MARKINGS. EXISTING GROOVED PREFORMED PLASTIC PAVEMENT MARKINGS SHALL NOT BE REPLACED THROUGHOUT THE ENTIRE PROJECT LIMITS. GROOVED PREFORMED PLASTIC MARKINGS SHALL BE REPLACED ONLY ON NEW PAVEMENT SURFACES, EXISTING PAVEMENT SURFACE LOCATIONS DETERMINED BY THE ENGINEER DUE TO DAMAGE OR WEAR OR AT LOCATIONS SPECIFIED IN THE PLANS TO BE REPLACED. THE UTMOST CARE SHALL BE TAKEN TO PRESERVE ANY EXISTING GROOVED PREFORMED PLASTIC PAVEMENT MARKING THAT IS NOT LOCATED WITHIN A PAVEMENT REPLACEMENT LOCATION. PROPOSED GROOVED PREFORMED PAVEMENT MARKING REPLACEMENT LOCATIONS ON EXISTING PAVEMENTS TO REMAIN, SHALL NOT BE RE-GROOVED, UNLESS THE WIDTH OF THE PROPOSED GROOVED PREFORMED PLASTIC PAVEMENT MARKING IS LARGER THAN THE EXISTING GROOVED PREFORMED PLASTIC PAVEMENT MARKING LINE WIDTH. THE REPLACEMENT OF A SKIP-DASH, GORE DIAGONAL OR LETTERS AND SYMBOLS GROOVED PREFORMED PLASTIC PAVEMENT MARKING SHALL NOT BE SEGMENTED AND SHALL BE REPLACED IN ITS ENTIRETY AT THE DISCRETION OF THE ENGINEER.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED THROUGHOUT THE ENTIRE PROJECT LIMITS WHERE APPLICABLE PER DISTRICT DETAIL TC-11. THE ENGINEER SHALL DETERMINE IF ONLY THE REFLECTOR ELEMENT OR THE REFLECTOR ELEMENT WITH BASE CASTING SHALL BE REPLACED. THIS WORK SHALL BE PAID FOR AS REPLACEMENT REFLECTOR OR RAISED REFLECTIVE PAVEMENT MARKER REMOVAL AND RAISED REFLECTIVE PAVEMENT MARKER BASED ON THE TYPE OF REPLACEMENT REQUIRED. RAISED REFLECTIVE PAVEMENT MARKER VOID LOCATIONS ON NON-REHABBED PAVEMENTS THAT ARE DETERMINED BY THE ENGINEER TO BE ABANDONED, SHALL BE PATCHED PER THE PARTIAL DEPTH PATCHING (SPECIAL) SPECIAL PROVISION.
- THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE CS 1 OR RR 1.
- A PROVISIONAL QUANTITY OF 2 EACH FOR TRAFFIC BARRIER TERMINAL, TY. 1 (SPL) TANGENT HAS BEEN PROVIDED FOR USE AS NECESSARY AS DIRECTED BY THE ENGINEER.
- ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

COMMITMENTS

NONE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAYS STANDARDS AND GENERAL NOTES
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	2
CONTRACT NO. 80C48				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: c:\users\public\mbp\w3\id289063\D180C48-Border.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 4/28/2026	DATE - 04/27/2026	REVISED -

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% STATE	TRAFFIC SIGNALS 80% FEDERAL 20% STATE
				ROADWAY	ROADWAY	SAFETY
				0005 URBAN	0005 URBAN	0021 URBAN
20200100	EARTH EXCAVATION	CU YD	228	228		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,409	2,409		
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	832	832		
21400100	GRADING AND SHAPING DITCHES	FOOT	2,710	2,710		
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	15	15		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	15	15		
25100630	EROSION CONTROL BLANKET	SQ YD	3,241	3,241		
25200110	SODDING, SALT TOLERANT	SQ YD	18	18		
25200200	SUPPLEMENTAL WATERING	UNIT	7	7		
28000510	INLET FILTERS	EACH	4	4		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	117	117		
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	174	174		
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	203	203		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14,477	14,477		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	10,869	10,869		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	19	19		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	143	143		

* SPECIALTY ITEM

MODEL: Default
FILE NAME: D:\80C48-SH-SOC-1.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • M.BAKERINTL.COM

USER NAME = Amy.Salisbury
PLOT DATE = 3/27/2026

DESIGNED - AMVB	REVISOR -
DRAWN - AMVB	REVISION -
CHECKED - WJT	REVISION -
DATE - 03/27/2026	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	3
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% STATE	TRAFFIC SIGNALS 80% FEDERAL 20% STATE
				ROADWAY	ROADWAY	SAFETY
				0005 URBAN	0005 URBAN	0021 URBAN
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	865	865		
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	2,055	2,055		
42000060	WELDED WIRE REINFORCEMENT	SQ YD	3	3		
42001300	PROTECTIVE COAT	SQ YD	709	709		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	331	331		
42400800	DETECTABLE WARNINGS	SQ FT	51	51		
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	20,675	20,675		
44000600	SIDEWALK REMOVAL	SQ FT	278	278		
44003100	MEDIAN REMOVAL	SQ FT	10,577	10,577		
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	1,194	1,194		
44004250	PAVED SHOULDER REMOVAL	SQ YD	111	111		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	56	56		
44201299	DOWEL BARS 1 1/2"	EACH	140	140		
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	74	74		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	221	221		
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	442	442		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	737	737		
44213200	SAW CUTS	FOOT	252	252		

* SPECIALTY ITEM

MODEL: Default
FILE NAME: D:\180C48-SH-SOC-2.dgn

Michael Baker
INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 - MBAKERINTL.COM

USER NAME = Amy.Salisbury
PLOT DATE = 3/27/2026

DESIGNED - AMVB
DRAWN - AMVB
CHECKED - WJT
DATE - 03/27/2026

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	4
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% STATE	TRAFFIC SIGNALS 80% FEDERAL 20% STATE
				ROADWAY	ROADWAY	SAFETY
				0005 URBAN	0005 URBAN	0021 URBAN
44213204	TIE BARS 3/4"	EACH	12	12		
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	205	205		
45200300	JOINT OR CRACK FILLING	POUND	58	58		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	111	111		
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	75	75		
53212755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	25	25		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	28	28		
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	100	100		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1		
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	2		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3	3		
60608250	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06	FOOT	229	229		
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	3,070	3,070		
60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	135		135	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,250	1,250		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1		

* SPECIALTY ITEM

MODEL: Default
FILE NAME: D:\80C48-SH-SOC-3.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

DESIGNED - AMVB	REVISED -
DRAWN - AMVB	REVISED -
CHECKED - WJT	REVISED -
DATE - 03/27/2026	REVISED -

DESIGNED - AMVB	REVISED -
DRAWN - AMVB	REVISED -
CHECKED - WJT	REVISED -
DATE - 03/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	5
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% STATE	TRAFFIC SIGNALS 80% FEDERAL 20% STATE
				ROADWAY	ROADWAY	SAFETY
				0005 URBAN	0005 URBAN	0021 URBAN
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
63200310	GUARDRAIL REMOVAL	FOOT	1,334	1,334		
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,960	1,960		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	9	9		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	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		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,462	1,462		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,871	5,871		
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	110	110		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	10,370	10,370		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	890	890		

* SPECIALTY ITEM

MODEL: Default
FILE NAME: D:\80C48-SH-SOC-4.dgn

Michael Baker
INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Amy.Salisbury
PLOT DATE = 3/27/2026

DESIGNED - AMVB
DRAWN - AMVB
CHECKED - WJT
DATE - 03/27/2026

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	6
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% STATE	TRAFFIC SIGNALS 80% FEDERAL 20% STATE
				ROADWAY	ROADWAY	SAFETY
				0005 URBAN	0005 URBAN	0021 URBAN
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	519	519		
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	16,165	16,165		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73	73		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,802	14,802		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	445	445		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	845	845		
* 78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	180	180		
* 78004645	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 9"	FOOT	878	878		
* 78004655	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 11"	FOOT	221	221		
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	255	255		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,651	1,651		
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	196	196		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	292	292		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	75	75		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	44	44		
* 78100300	REPLACEMENT REFLECTOR	EACH	15	15		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	25	25		

* SPECIALTY ITEM

MODEL: Default
FILE NAME: D:\80C48-SH-SOC-5.dgn

Michael Baker
INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 - MBAKERINTL.COM

USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	7
CONTRACT NO. 80C48			ILLINOIS FED. AID PROJECT	

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	100% STATE	TRAFFIC SIGNALS 80% FEDERAL 20% STATE
				ROADWAY	ROADWAY	SAFETY
				0005	0005	0021
				URBAN	URBAN	URBAN
* 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	4	4		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	15	15		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	294	294		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	7		7	
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	2,998	2,998		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	133	133		
X4421003	PARTIAL DEPTH PATCHING (SPECIAL)	EACH	29	29		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	170		170	
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	90		90	
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	50		50	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12		
X7010808	TRAFFIC CONTROL AND PROTECTION, STANDARD TC8	EACH	1	1		

* SPECIALTY ITEM

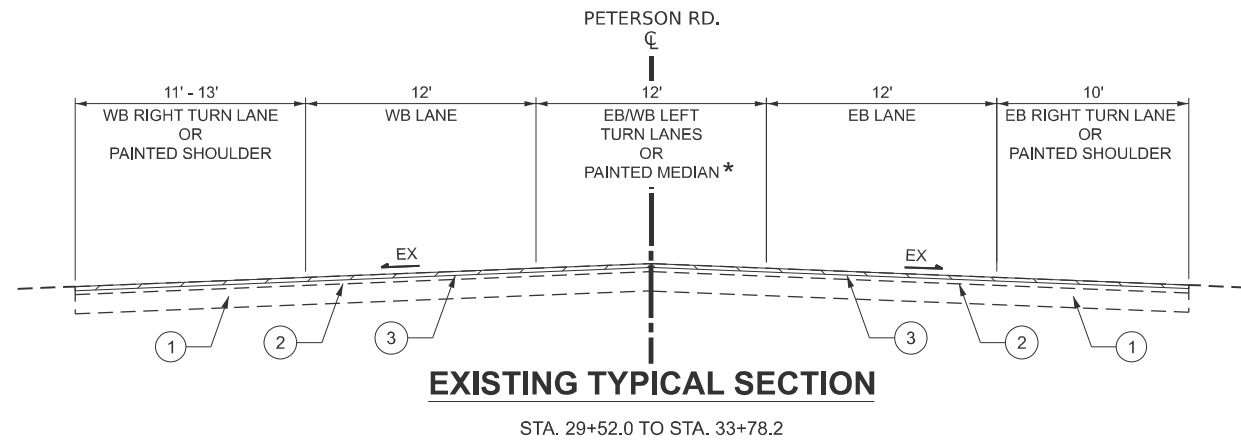
MODEL: Default
FILE NAME: D:\80C48-SH-SOC-6.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1900, Chicago, IL 60606 Phone: (312) 707-8770 • MBAKERINTL.COM	USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
		DRAWN - AMVB	REVISED -
		CHECKED - WJT	REVISED -
	PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

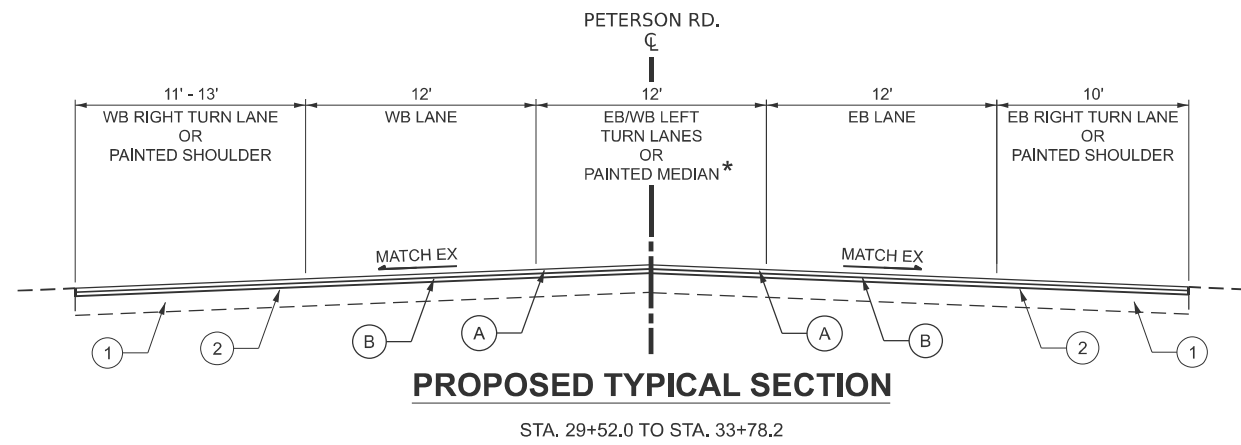
SUMMARY OF QUANTITIES PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)			
SCALE:	SHEET 6	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80C48	



EXISTING TYPICAL SECTION
STA. 29+52.0 TO STA. 33+78.2

* PAINTED MEDIAN:
STA. 32+24.1 TO 33+78.2



PROPOSED TYPICAL SECTION
STA. 29+52.0 TO STA. 33+78.2

HOT-MIX ASPHALT SCHEDULE				
MAINLINE RESURFACING AND SURFACE ONLY SHOULDER OVERLAY				
ROUTE	SCOPE SEGMENT	HOT-MIX ASPHALT SURFACE REMOVAL (SQ YD)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE (TON)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE (TON)
PETERSON ROAD	MAINLINE ROADWAY	11,556	1,150	484
PETERSON ROAD	SHOULDER ONLY	9,119	905	381
GRAND TOTAL		20,675	2,055	865

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING (STANDARD OVERLAY)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"	4% @ 70 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	3.5% @ 50 GYR.	QC/QA
SHOULDER RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"	4% @ 70 GYR.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"	3.5% @ 50 GYR.	QC/QA
SHOULDER RECONSTRUCTION (HMA SHOULDERS 8")		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6.25"	4% @ 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

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

EXISTING LEGEND

- ① EXIST. P.C. CONCRETE PAVEMENT, 10" & VAR.
- ② EXIST. HOT-MIX ASPHALT PAVEMENT, 4" & VAR.
- ③ HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- ④ EXIST. CONCRETE MEDIAN
- ⑤ EXIST. CONCRETE CURB
- REMOVAL

PROPOSED LEGEND

- Ⓐ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- Ⓑ POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- Ⓒ CONCRETE CURB AND GUTTER REMOVAL & REPLACEMENT
- Ⓓ TOPSOIL FURNISH AND PLACE, 12"
- Ⓔ CONCRETE MEDIAN SURFACE, 6"
- Ⓕ SUBBASE GRANULAR MATERIAL, TYPE B 6"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE, IL-4.75, N50.
3. WHEN SHOULDER RESURFACING OF 6 FEET OR LESS IS ALLOWED TO BE PLACED SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE, THE MAINLINE QUALITY MANAGEMENT PROGRAM WILL BE ENFORCED FOR THE MAINLINE AND SHOULDER

MODEL: Default
FILE NAME: D:\80C48-Sht-Typical-01.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • MBACKERINTL.COM

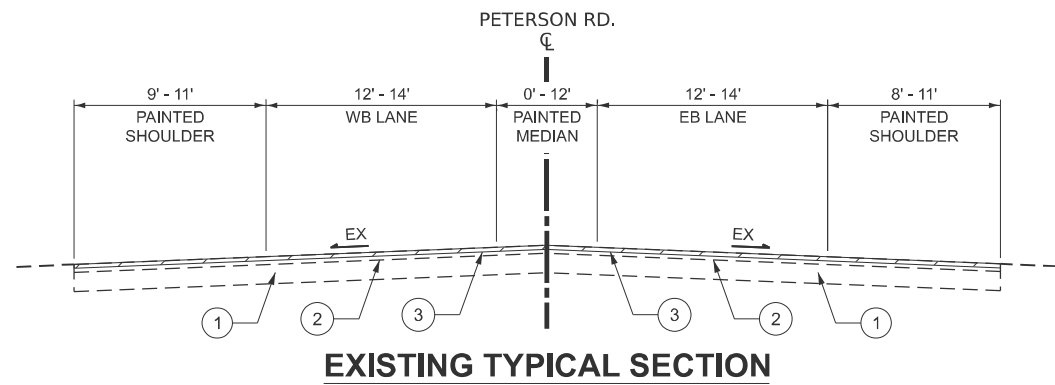
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 4/28/2026	DATE - 04/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

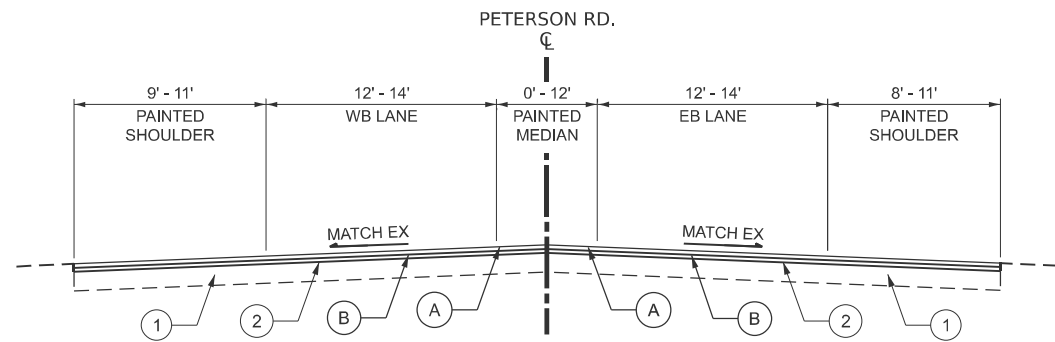
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	10
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				



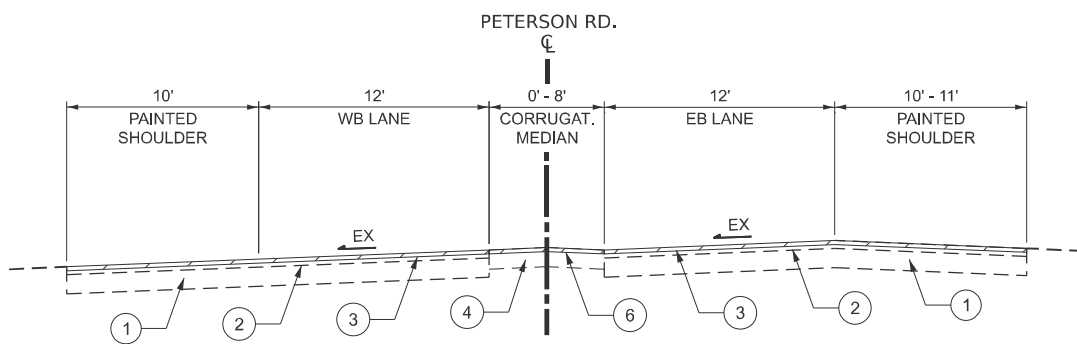
EXISTING TYPICAL SECTION

STA. 33+78.2 TO STA. 43+73.3



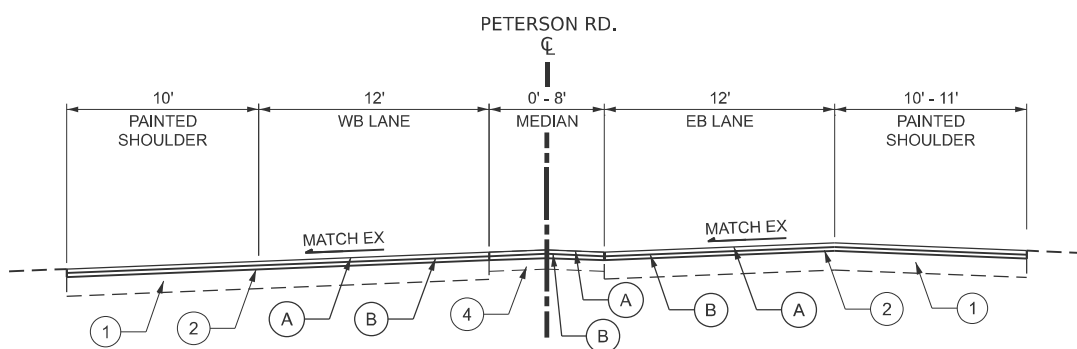
PROPOSED TYPICAL SECTION

STA. 33+78.2 TO STA. 43+73.3



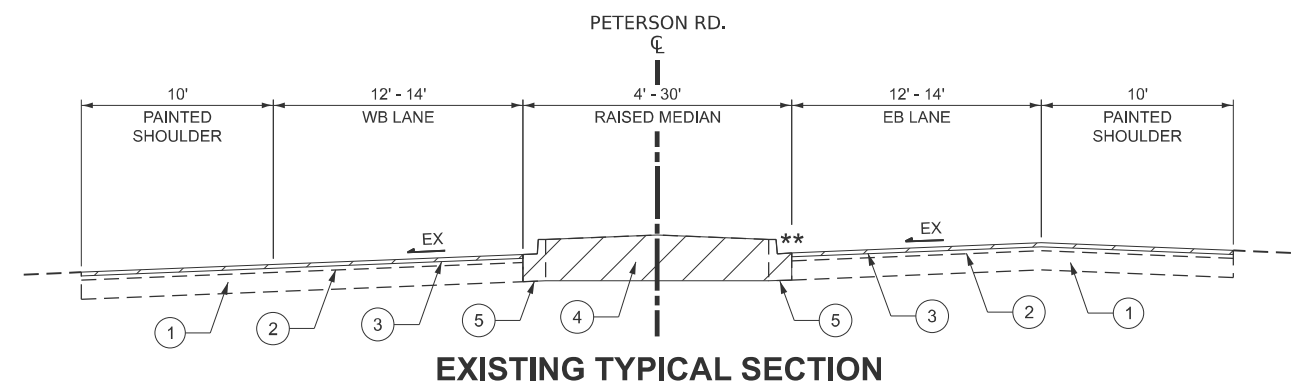
EXISTING TYPICAL SECTION

STA. 43+73.3 TO STA. 45+07.0



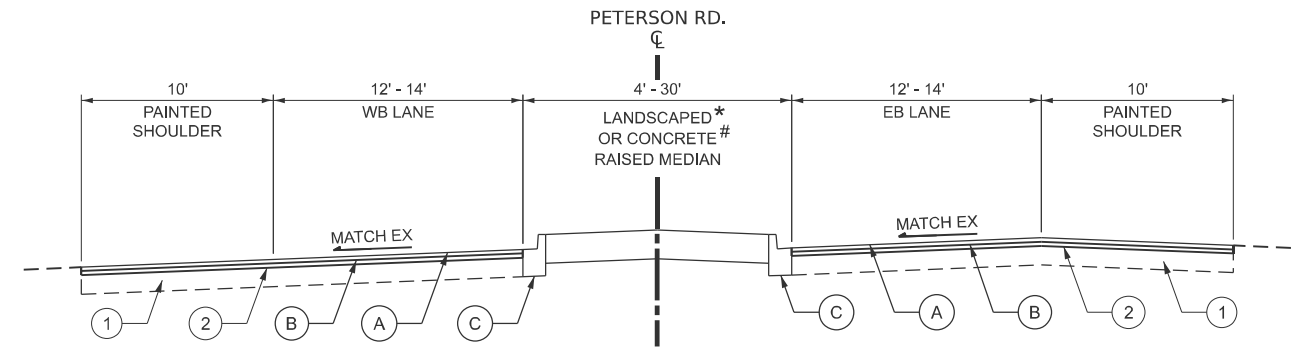
PROPOSED TYPICAL SECTION

STA. 43+73.3 TO STA. 45+07.0



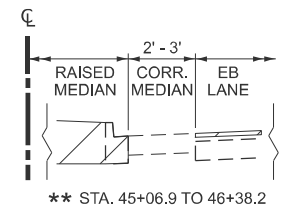
EXISTING TYPICAL SECTION

STA. 45+07.0 TO STA. 53+99.6

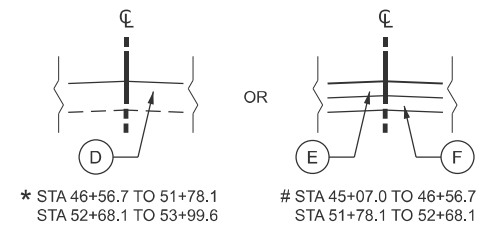


PROPOSED TYPICAL SECTION

STA. 45+07.0 TO STA. 53+99.6



** STA. 45+06.9 TO 46+38.2



* STA 46+56.7 TO 51+78.1
STA 52+68.1 TO 53+99.6

STA 45+07.0 TO 46+56.7
STA 51+78.1 TO 52+68.1

EXISTING LEGEND

- ① EXIST. P.C. CONCRETE PAVEMENT, 10" & VAR.
- ② EXIST. HOT-MIX ASPHALT PAVEMENT, 4" & VAR.
- ③ HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- ④ EXIST. CONCRETE MEDIAN
- ⑤ EXIST. CONCRETE CURB
- ⑥ MEDIAN REMOVAL PARTIAL DEPTH, 2.5"
- ▨ REMOVAL

PROPOSED LEGEND

- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- (B) POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- (C) CONCRETE CURB AND GUTTER REMOVAL & REPLACEMENT
- (D) TOPSOIL FURNISH AND PLACE, 12"
- (E) CONCRETE MEDIAN SURFACE, 6"
- (F) SUBBASE GRANULAR MATERIAL, TYPE B 6"

MODEL - Default
FILE NAME: D:\180C48-Sht-Typical-02.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

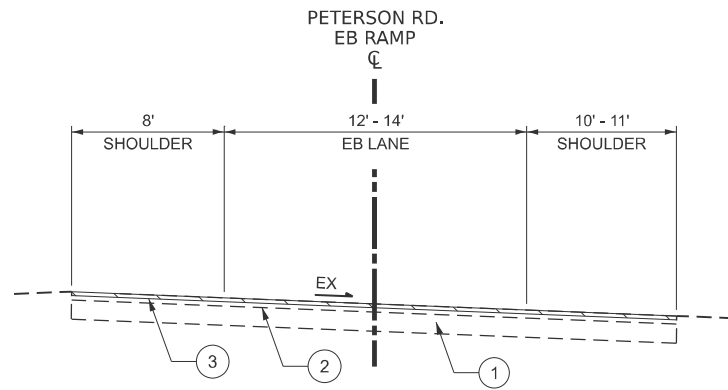
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

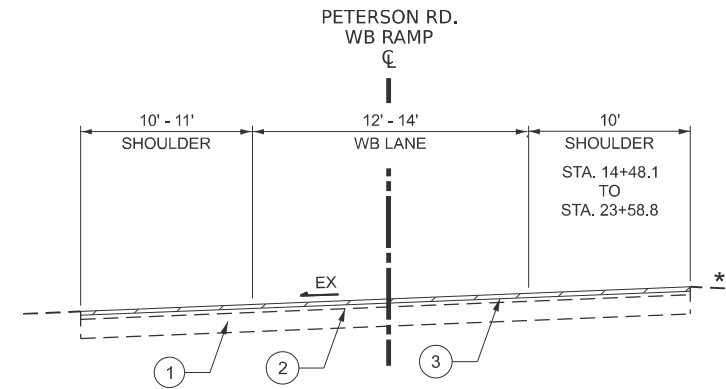
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	11
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				



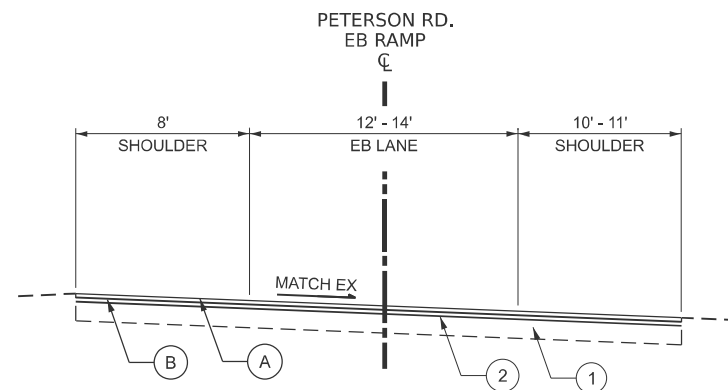
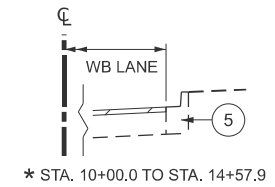
EXISTING TYPICAL SECTION

STA. 20+00.0 TO STA. 29+54.6



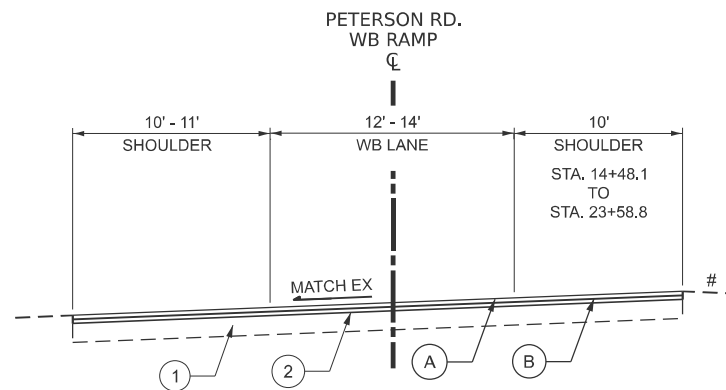
EXISTING TYPICAL SECTION

STA. 10+00.0 TO STA. 23+59.0



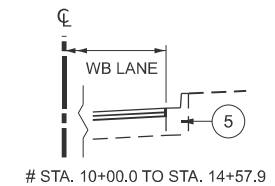
PROPOSED TYPICAL SECTION

STA. 20+00.0 TO STA. 29+54.6



PROPOSED TYPICAL SECTION

STA. 10+00.0 TO STA. 23+59.0



EXISTING LEGEND

- ① EXIST. P.C. CONCRETE PAVEMENT, 10" & VAR.
- ② EXIST. HOT-MIX ASPHALT PAVEMENT, 4" & VAR.
- ③ HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- ④ EXIST. CONCRETE MEDIAN
- ⑤ EXIST. CONCRETE CURB
- ▭ REMOVAL

PROPOSED LEGEND

- Ⓐ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- Ⓑ POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- Ⓒ CONCRETE CURB AND GUTTER REMOVAL & REPLACEMENT
- Ⓓ TOPSOIL FURNISH AND PLACE, 12"
- Ⓔ CONCRETE MEDIAN SURFACE, 6"
- Ⓕ SUBBASE GRANULAR MATERIAL, TYPE B 6"

MODEL: Default
FILE NAME: D:\80C48-Sht-Typical-03.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1900, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

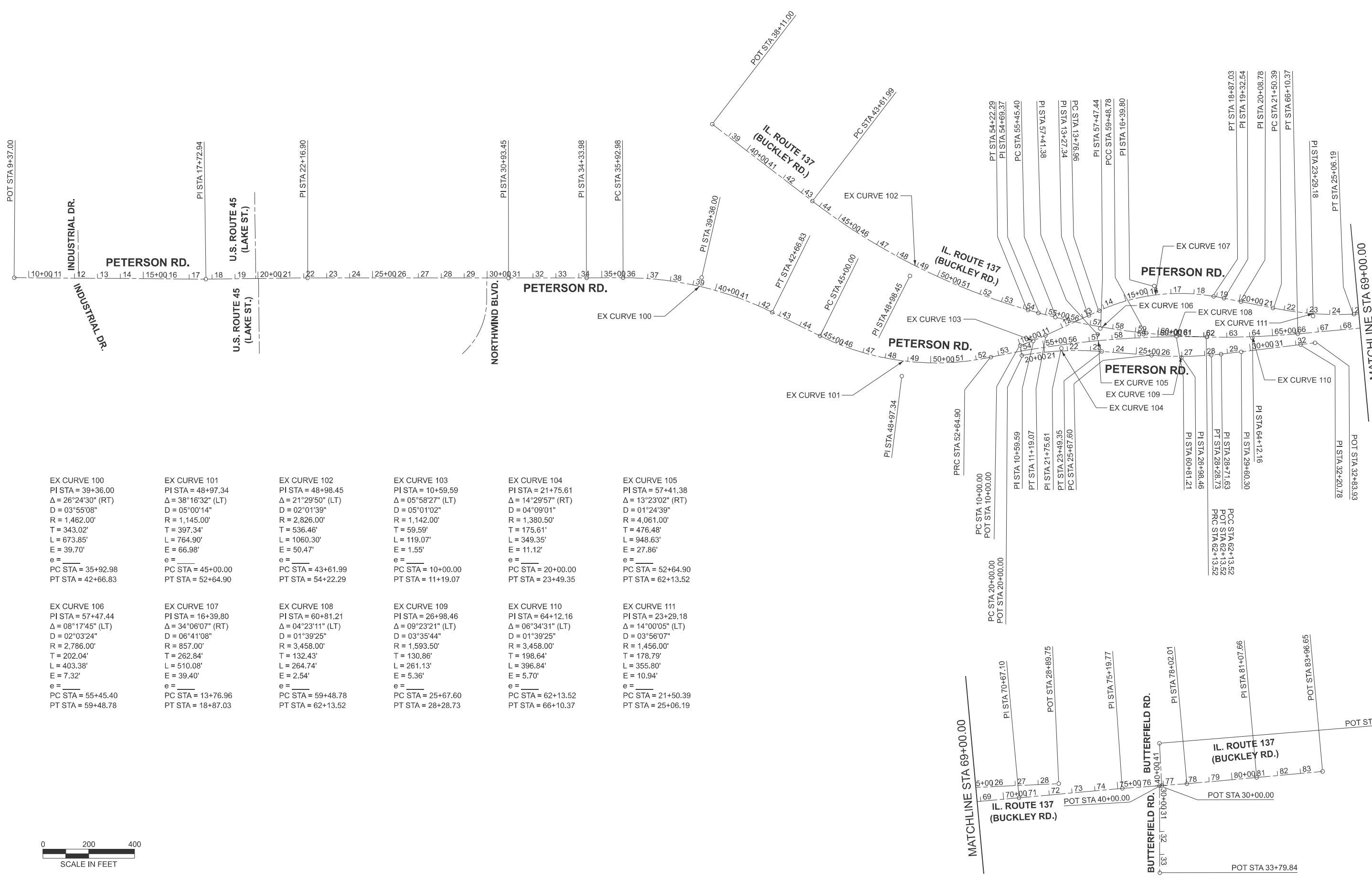
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	12
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				



<p>EX CURVE 100 PI STA = 39+36.00 $\Delta = 26^{\circ}24'30''$ (RT) D = 03°55'08" R = 1,462.00' T = 343.02' L = 673.85' E = 39.70' e = _____ PC STA = 35+92.98 PT STA = 42+66.83</p>	<p>EX CURVE 101 PI STA = 48+97.34 $\Delta = 38^{\circ}16'32''$ (LT) D = 05°00'14" R = 1,145.00' T = 397.34' L = 764.90' E = 66.98' e = _____ PC STA = 45+00.00 PT STA = 52+64.90</p>	<p>EX CURVE 102 PI STA = 48+98.45 $\Delta = 21^{\circ}29'50''$ (LT) D = 02°01'39" R = 2,826.00' T = 536.46' L = 1060.30' E = 50.47' e = _____ PC STA = 43+61.99 PT STA = 54+22.29</p>	<p>EX CURVE 103 PI STA = 10+59.59 $\Delta = 05^{\circ}58'27''$ (LT) D = 05°01'02" R = 1,142.00' T = 59.59' L = 119.07' E = 1.55' e = _____ PC STA = 10+00.00 PT STA = 11+19.07</p>	<p>EX CURVE 104 PI STA = 21+75.61 $\Delta = 14^{\circ}29'57''$ (RT) D = 04°09'01" R = 1,380.50' T = 175.61' L = 349.35' E = 11.12' e = _____ PC STA = 20+00.00 PT STA = 23+49.35</p>	<p>EX CURVE 105 PI STA = 57+41.38 $\Delta = 13^{\circ}23'02''$ (RT) D = 01°24'39" R = 4,061.00' T = 476.48' L = 948.63' E = 27.86' e = _____ PC STA = 52+64.90 PT STA = 62+13.52</p>
<p>EX CURVE 106 PI STA = 57+47.44 $\Delta = 08^{\circ}17'45''$ (LT) D = 02°03'24" R = 2,786.00' T = 202.04' L = 403.38' E = 7.32' e = _____ PC STA = 55+45.40 PT STA = 59+48.78</p>	<p>EX CURVE 107 PI STA = 16+39.80 $\Delta = 34^{\circ}06'07''$ (RT) D = 06°41'08" R = 857.00' T = 262.84' L = 510.08' E = 39.40' e = _____ PC STA = 13+76.96 PT STA = 18+87.03</p>	<p>EX CURVE 108 PI STA = 60+81.21 $\Delta = 04^{\circ}23'11''$ (LT) D = 01°39'25" R = 3,458.00' T = 132.43' L = 264.74' E = 2.54' e = _____ PC STA = 59+48.78 PT STA = 62+13.52</p>	<p>EX CURVE 109 PI STA = 26+98.46 $\Delta = 09^{\circ}23'21''$ (LT) D = 03°35'44" R = 1,593.50' T = 130.86' L = 261.13' E = 5.36' e = _____ PC STA = 25+67.60 PT STA = 28+28.73</p>	<p>EX CURVE 110 PI STA = 64+12.16 $\Delta = 06^{\circ}34'31''$ (LT) D = 01°39'25" R = 3,458.00' T = 198.64' L = 396.84' E = 5.70' e = _____ PC STA = 62+13.52 PT STA = 66+10.37</p>	<p>EX CURVE 111 PI STA = 23+29.18 $\Delta = 14^{\circ}00'05''$ (LT) D = 03°56'07" R = 1,456.00' T = 178.79' L = 355.80' E = 10.94' e = _____ PC STA = 21+50.39 PT STA = 25+06.19</p>



MODEL: Default
 FILE NAME: D:\80C48-Sht-ATB-01.dgn

Michael Baker International
 200 West Adams Street, Suite 1900, Chicago, IL 60606
 Phone: (312) 701-8770 • MBEKINTL.COM

USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS
 PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

SCALE: SHEET 1 OF 1 SHEETS STA. 19+00.00 TO STA. 49+00.00

F.A.P. RTE. 0371	SECTION 2025-2105-RS	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 13
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				



NOTES

1. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN WITH PLACEMENT OF DETOUR SIGNAGE.
2. DETOUR SIGN SPACING SHALL FOLLOW IDOT DISTRICT ONE STANDARD DETAIL TC-21.
3. TYPE III BARRICADE PLACEMENT SHALL FOLLOW IDOT STANDARD 701901.
4. ALL DETOUR SIGN LEGEND AND BORDER COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD.
5. ALL DETOUR SIGNS AND RELATED TRAFFIC CONTROL SHALL BE PAID FOR AS DETOUR SIGNING, EXCEPT FOR STANDARD DETAIL TC-8 ITEMS AND ARTERIAL INFORMATION SIGNS WHICH SHALL BE PAID FOR SEPARATELY.
6. SEE "DETOUR RESTRICTIONS" SPECIAL PROVISIONS FOR MAXIMUM ALLOWABLE CLOSURE DURATION.
7. DETOUR SIGNING SHALL BE PLACED DURING PERIODS WHEN DETOUR IS IN EFFECT. ALL CONFLICTING SIGNING SHALL BE COVERED.

LEGEND

1 ROAD CLOSED R11-2-4830	3 ROAD CLOSED 500 FT W20-3-4848	5 ROAD CLOSED TO THRU TRAFFIC R11-4-8030 DETOUR M4-10L-4818	7 END DETOUR M4-8A	9 EAST Peterson Road *CUSTOM DETOUR M4-8P	11 WEST Peterson Road *CUSTOM DETOUR M4-9R	13 EAST Peterson Road *CUSTOM DETOUR M4-9R	15 RAMP CLOSED E5-2a-4836 (MOD) TC-8	WORK ZONE
2 ROAD CLOSED AHEAD W20-3-4848	4 ROAD CONSTRUCTION AHEAD W20-1103-48	6 DETOUR AHEAD W20-2-4848	8 WEST Peterson Road *CUSTOM DETOUR M4-8P	10 WEST Peterson Road *CUSTOM DETOUR M4-9L	12 EAST Peterson Road *CUSTOM DETOUR M4-9L	14 RAMP CLOSED AHEAD W20-30-48	16 DO NOT ENTER R5-1-4848 TC-8	TYPE II BARRICADE OR DRUM
								TYPE III BARRICADE WITH FLASHING LIGHTS
								DIRECTION OF TRAFFIC
								DETOUR ROUTE
								TEMPORARY TRAFFIC SIGNAL TIMING LOCATIONS
								CUSTOM 5" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND

MODEL: Default
 FILE NAME: c:\users\public\mbp\p\3\10289063\1180C48-Border-MOT.dgn

Michael Baker INTERNATIONAL
 200 West Adams Street, Suite 1800, Chicago, IL 60606
 Phone: (312) 707-8770 - MBAKERINTL.COM

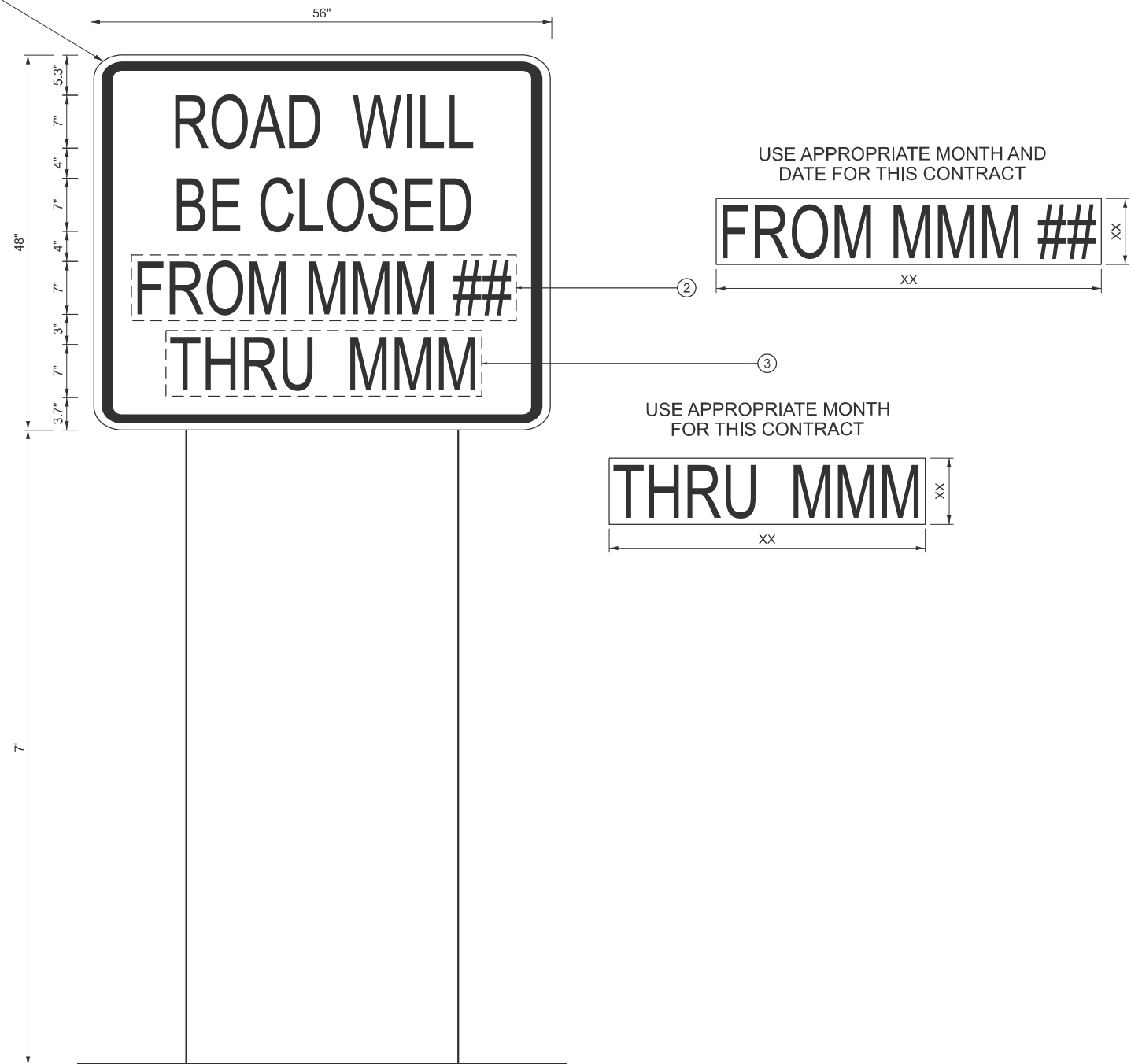
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMP)
 SCALE: SHEET 1 OF 2 SHEETS STA. 19+00.00 TO STA. 49+00.00

F.A.P. RTE. 0371	SECTION 2025-2105-RS	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 14
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

5" RADIUS
(TYP.)



ARTERIAL ROAD CLOSED INFORMATION SIGN

FOR ROADS TO BE FULLY CLOSED
AND DETOURED

NOTES

1. USE BLACK LETTERING ON ORANGE BACKGROUND. ALL LETTERING SHALL BE HIGHWAY C FONT.
2. ERECT SIGN ASSEMBLY (POST MOUNTED) WITH PANELS NO. 2 AND 3 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE SIGN AFTER CLOSURE.
3. OVERLAY PANEL NO. 2 TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION. (EX. "FROM APR 2")
4. OVERLAY PANEL NO. 3 TO CONTAIN ENDING MONTH OF FULL CLOSURE & DETOUR (EX. "THRU JULY"). OMIT THE DATE ON PANEL NO. 3; MONTH ONLY.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 18.67 SQ. FT.

MODEL: Default
FILE NAME: c:\users\public\mbp\w\3\0289063\0180C48-Border-MOT.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

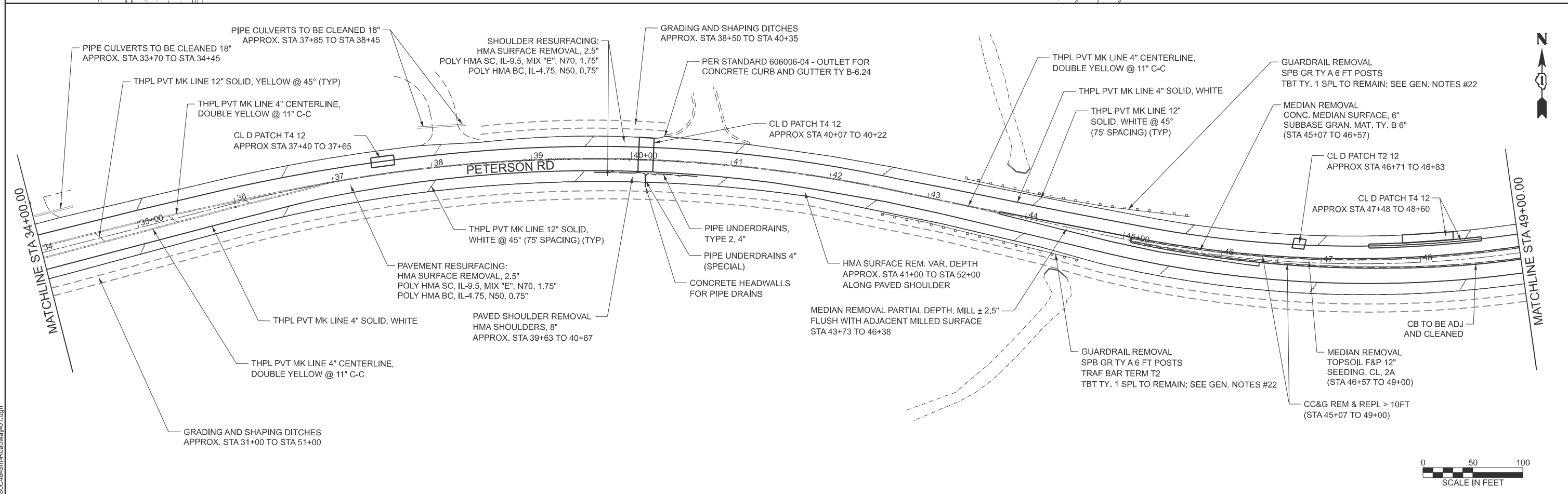
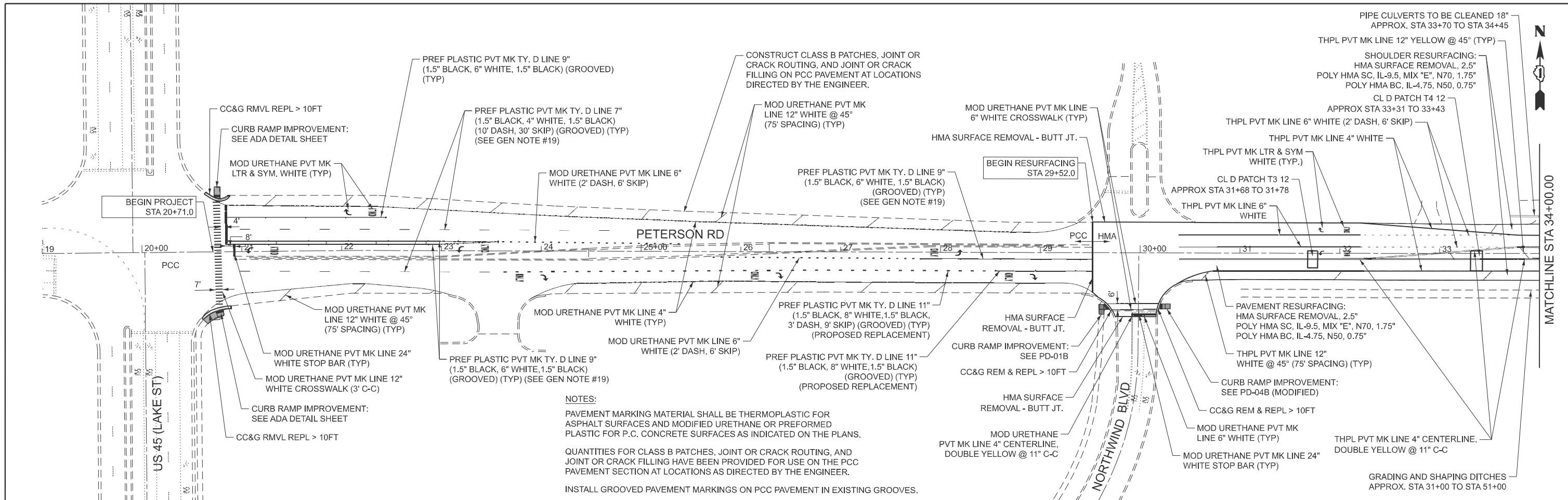
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD CLOSED INFORMATION SIGN
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

SCALE: SHEET 2 OF 2 SHEETS STA. 49+00.00 TO STA. 79+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	15
CONTRACT NO. 80C48				
ILLINOIS		FED. AID PROJECT		



NOTES:
 PAVEMENT MARKING MATERIAL SHALL BE THERMOPLASTIC FOR ASPHALT SURFACES AND MODIFIED URETHANE OR PREFORMED PLASTIC FOR P.C. CONCRETE SURFACES AS INDICATED ON THE PLANS.
 QUANTITIES FOR CLASS B PATCHES, JOINT OR CRACK ROUTING, AND JOINT OR CRACK FILLING HAVE BEEN PROVIDED FOR USE ON THE PCC PAVEMENT SECTION AT LOCATIONS AS DIRECTED BY THE ENGINEER.
 INSTALL GROOVED PAVEMENT MARKINGS ON PCC PAVEMENT IN EXISTING GROOVES.



MODEL: Default
 FILE NAME: D:\80C48-Sht-Roadway\01.dgn

Michael Baker INTERNATIONAL
 200 West Adams Street, Suite 1900, Chicago, IL 60606
 Phone: (312) 707-8770 • MBAKERINTL.COM

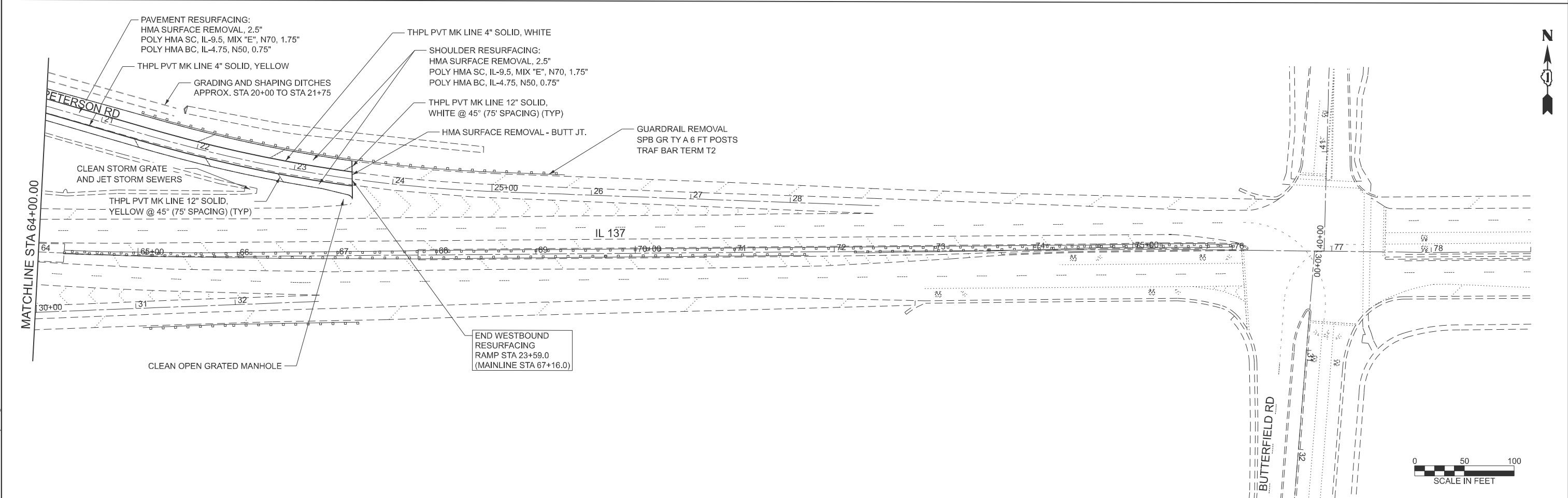
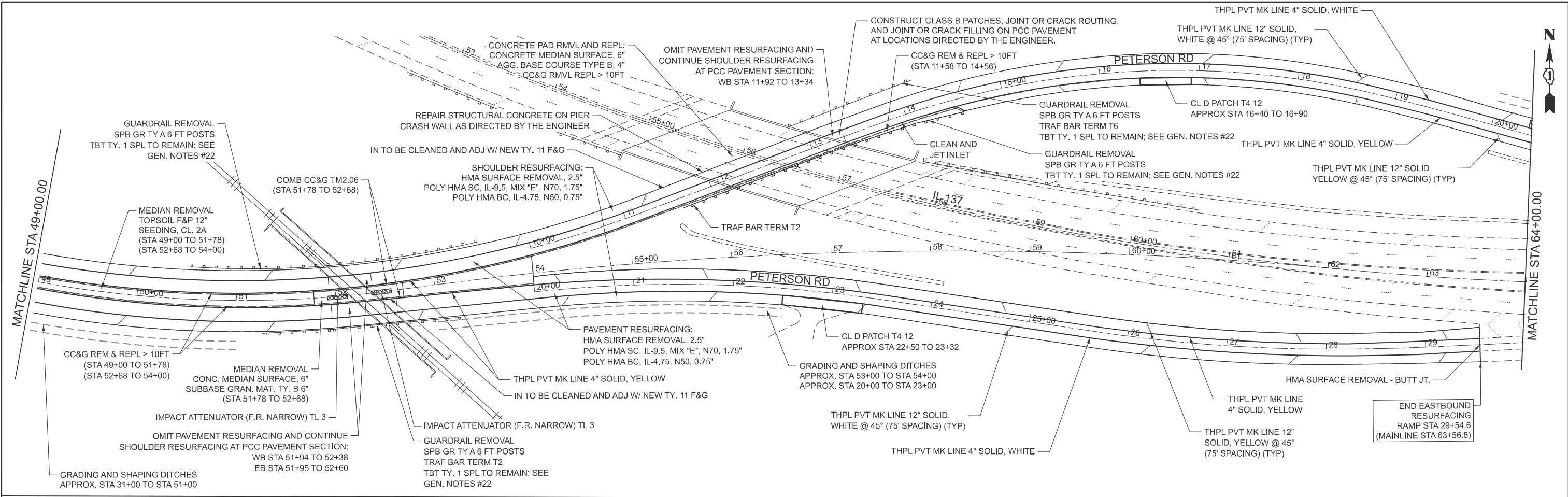
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 4/28/2026	DATE - 04/27/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 19+00.00 TO STA. 49+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	16
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: D:\180C48-SHA-Roadway\02.dgn

Michael Baker
 INTERNATIONAL
 200 West Adams Street, Suite 1800, Chicago, IL 60606
 Phone: (312) 707-8770 • MBAKERINTL.COM

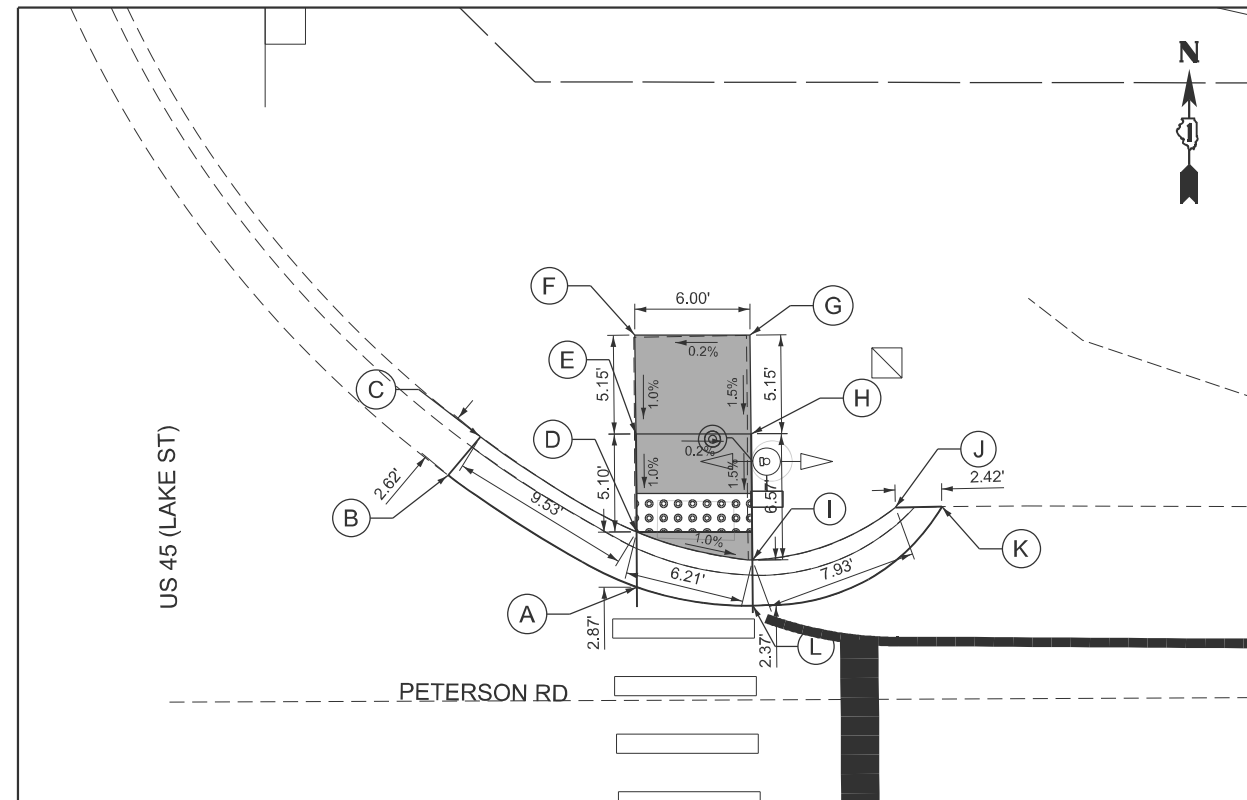
USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
	DRAWN - AMVB	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 4/27/2026	DATE - 04/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)
 SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 49+00.00 TO STA. 79+00.00

F.A.P. RTE. 0371	SECTION 2025-2105-RS	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 17
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

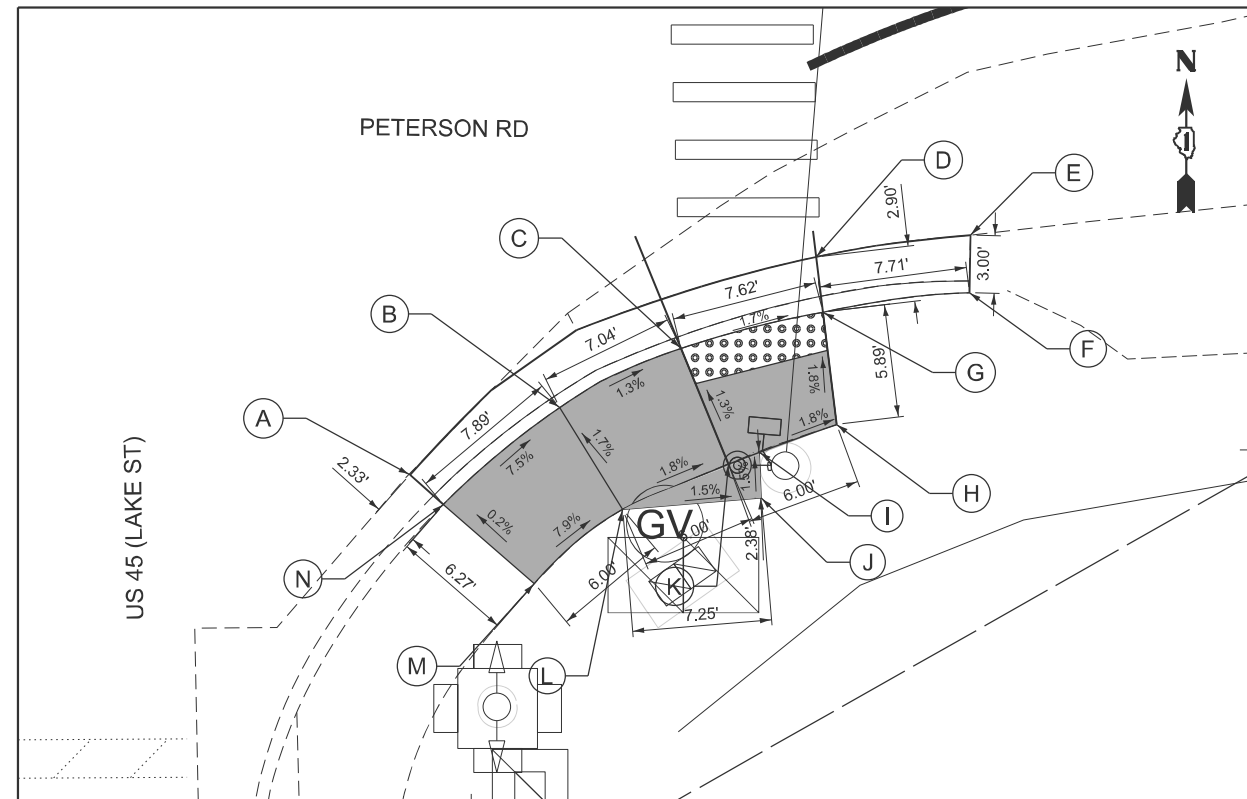




NORTHEAST CORNER (US 45 & PETERSON RD)

NORTHEAST SIDEWALK SECTION:

	STATION	OFFSET	ELEVATION
A	20+75.11	49.40' LT	773.49
B	20+65.35	55.34' LT	773.96
C	20+67.05	57.33' LT	774.19
D	20+75.13	52.27' LT	773.55
E	20+75.16	57.37' LT	773.60
F	20+75.17	62.52' LT	773.65
G	20+81.16	62.44' LT	773.67
H	20+81.16	57.30' LT	773.59
I	20+81.14	50.73' LT	773.49
J	20+88.62	53.37' LT	772.98
K	20+91.04	53.40' LT	772.93
L	20+81.14	48.36' LT	773.37



SOUTHEAST CORNER (US 45 & PETERSON RD)

SOUTHEAST SIDEWALK SECTION:

	STATION	OFFSET	ELEVATION
A	20+61.83	68.49' RT	773.71
B	20+69.67	65.08' RT	773.55
C	20+76.03	62.07' RT	773.46
D	20+83.13	57.40' RT	773.27
E	20+91.19	56.36' RT	772.89
F	20+91.09	59.36' RT	772.95
G	20+83.44	60.28' RT	773.33
H	20+84.08	66.14' RT	773.44
I	20+80.04	67.53' RT	773.51
J	20+80.11	69.91' RT	773.55
K	20+78.43	68.14' RT	773.55
L	20+72.88	70.43' RT	773.65
M	20+68.24	74.23' RT	774.13
N	20+63.55	70.06' RT	774.14



SCALE IN FEET

LEGEND

- (XXX.XX) EXISTING ELEVATION
- PROPOSED SIDE CURB
- ◇ INLET FILTER
- PROPOSED APS BUTTON ON NEW POST
- PROPOSED APS BUTTON ON EXISTING POST
- ▭ PROPOSED SIDEWALK
- DETECTABLE WARNINGS

MODEL: Default
 FILE NAME: c:\users\public\mbp\w3\d0289063\180C48-Border\180C48-Border-ADA.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1900, Chicago, IL 60606 Phone: (312) 707-8770 • MBACKERINTL.COM	USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
		DRAWN - AMVB	REVISED -
		CHECKED - WJT	REVISED -
	PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	18
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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

MODEL: TS-01a (Sheet)
FILE NAME: c:\p\work\wv\ts01\lawrence.demanche\illinois\2025-2105-RS\TS-01.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
DRAWN - IP	REVISIONS -	
PLOT SCALE = \$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/15/2025	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

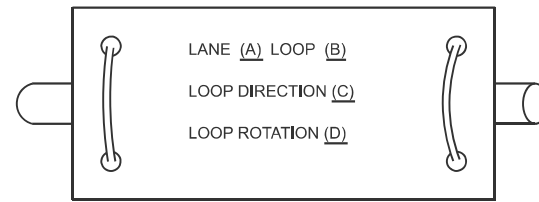
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	19
TS-01		CONTRACT NO. 80C48		
ILLINOIS FED. AID PROJECT				

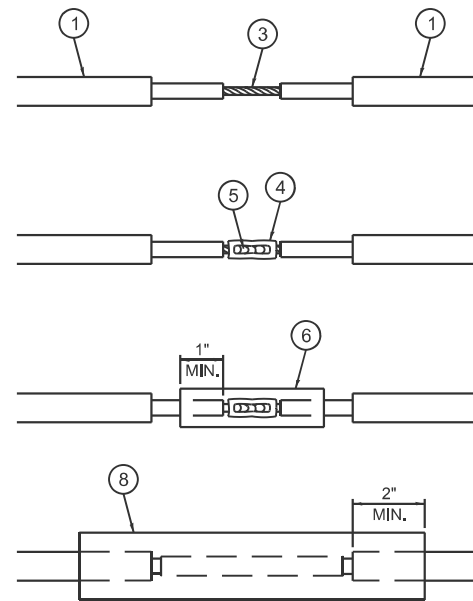
DETECTOR LOOP NOTES:

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.



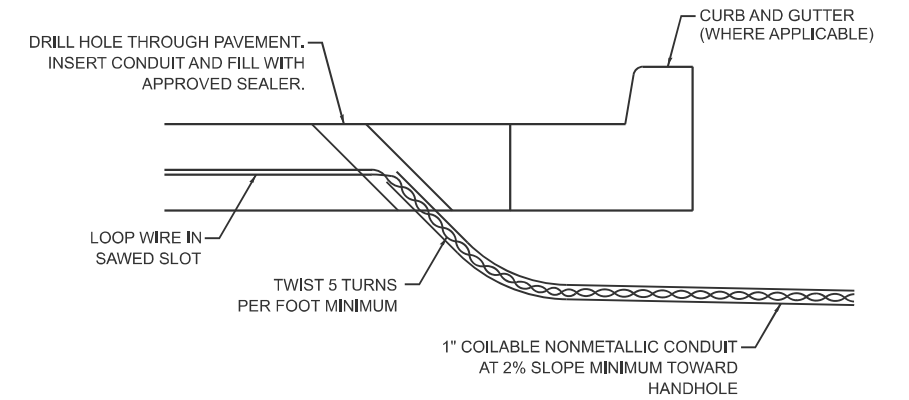
- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

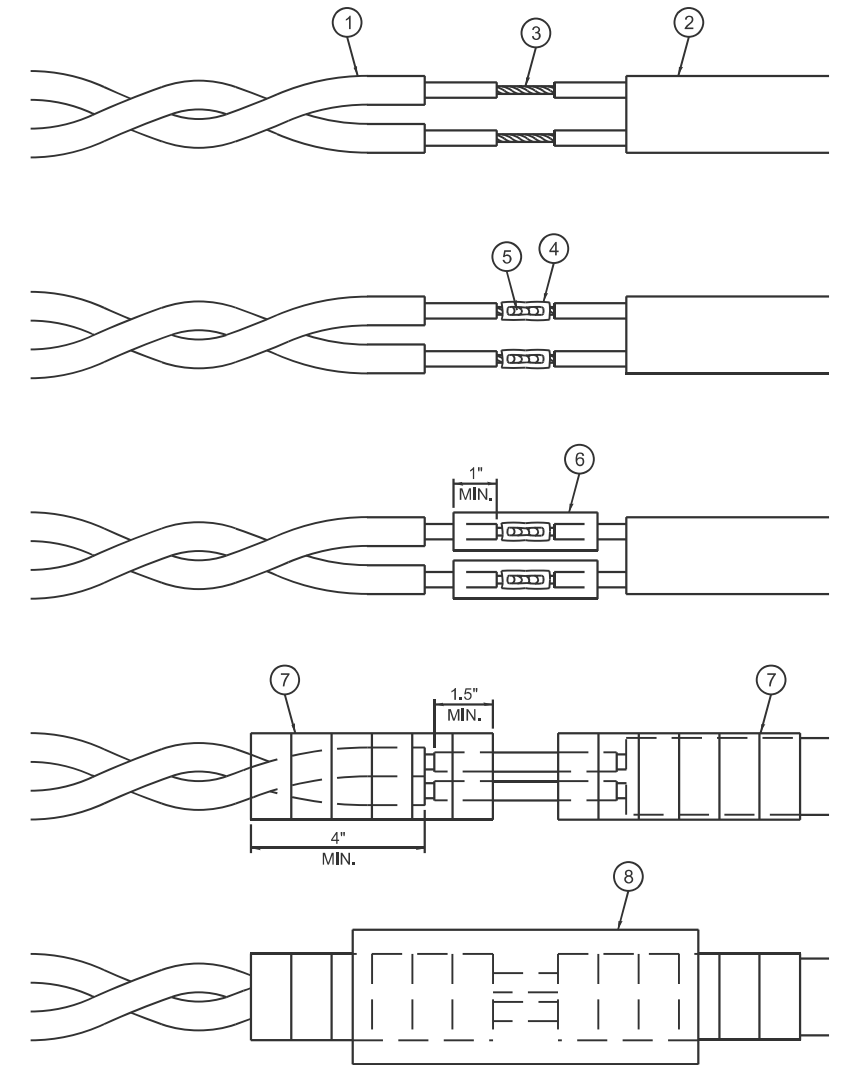


LOOP-TO-LOOP SPLICE DETAIL

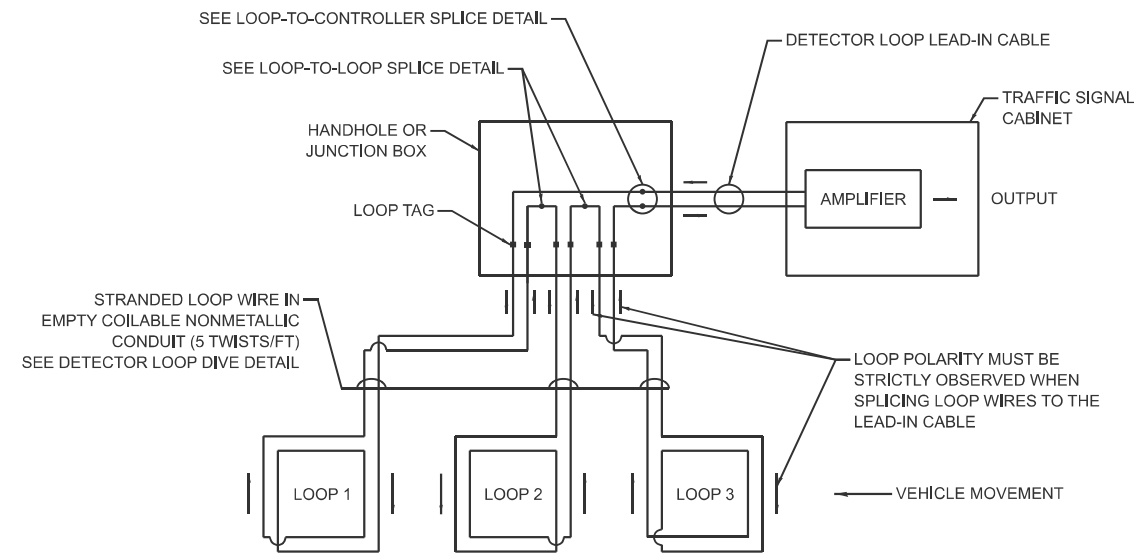
- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, 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



DETECTOR LOOP WIRING SCHEMATIC

MODEL: TS-01b (Sheet)
FILE NAME: c:\p\work\ts01\lawrence.demanche\illinois\rev00951416\TS-01.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
DRAWN - IP	REVISIONS -	
PLOT SCALE = \$\$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

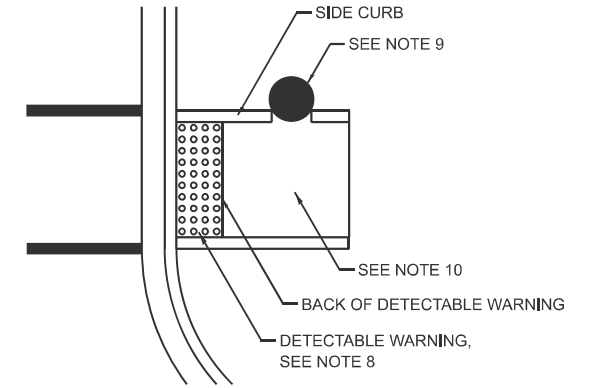
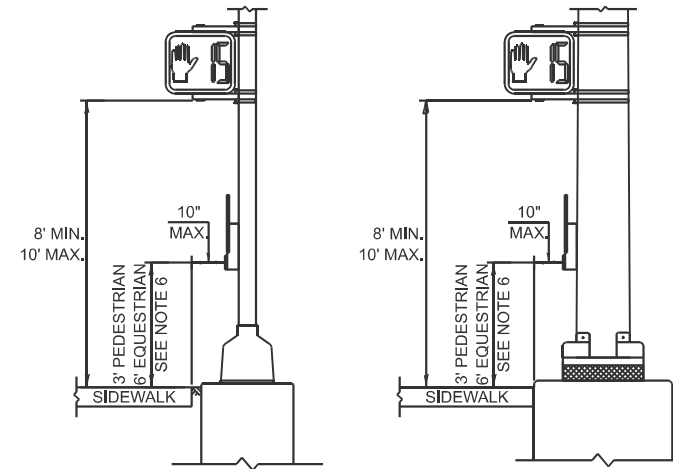
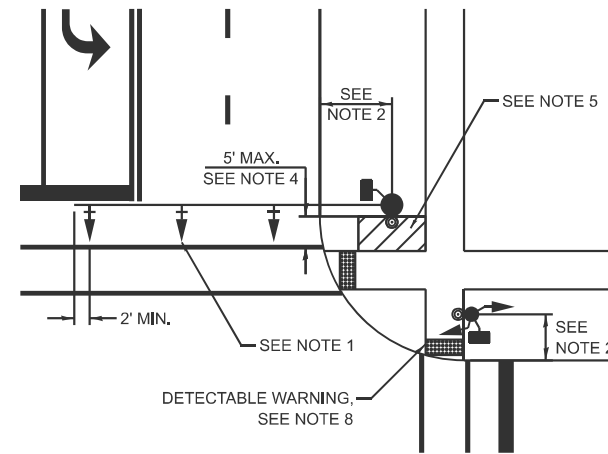
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 371	SECTION 2025-2105-RS	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 20
TS-01		CONTRACT NO. 80C48		
ILLINOIS FED. AID PROJECT				

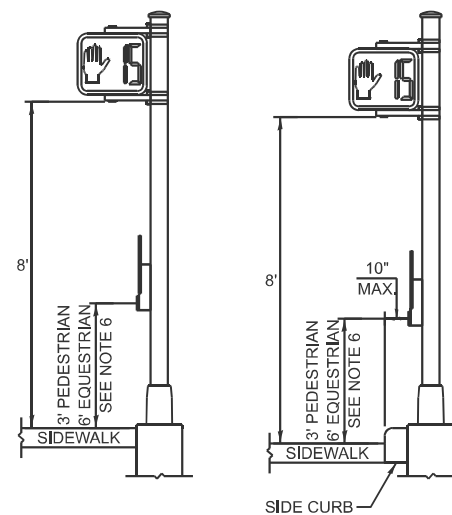
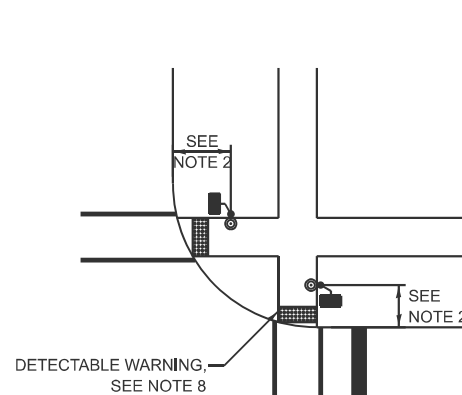
NOTES:

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.

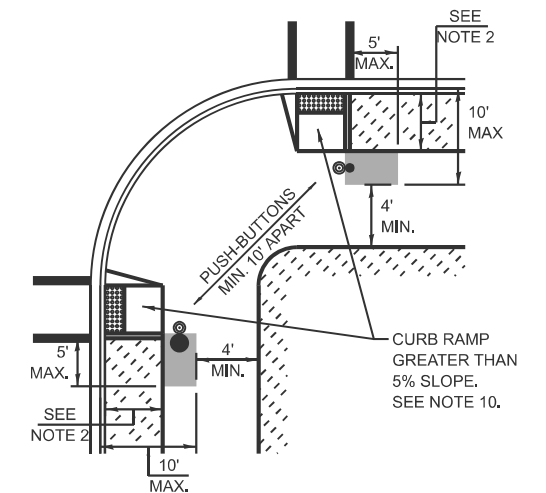
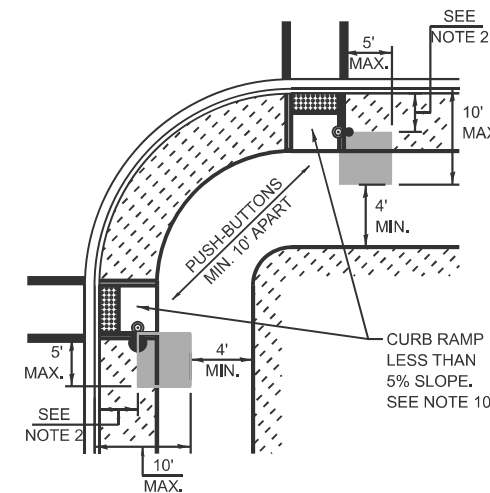
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



PUSH-BUTTON LOCATIONS



■ PREFERRED PUSH-BUTTON LOCATION

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-01c (Sheet) FILE NAME: c:\paw\work\lawrence.demanche\illinois\ov0951416\TS-01.dgn

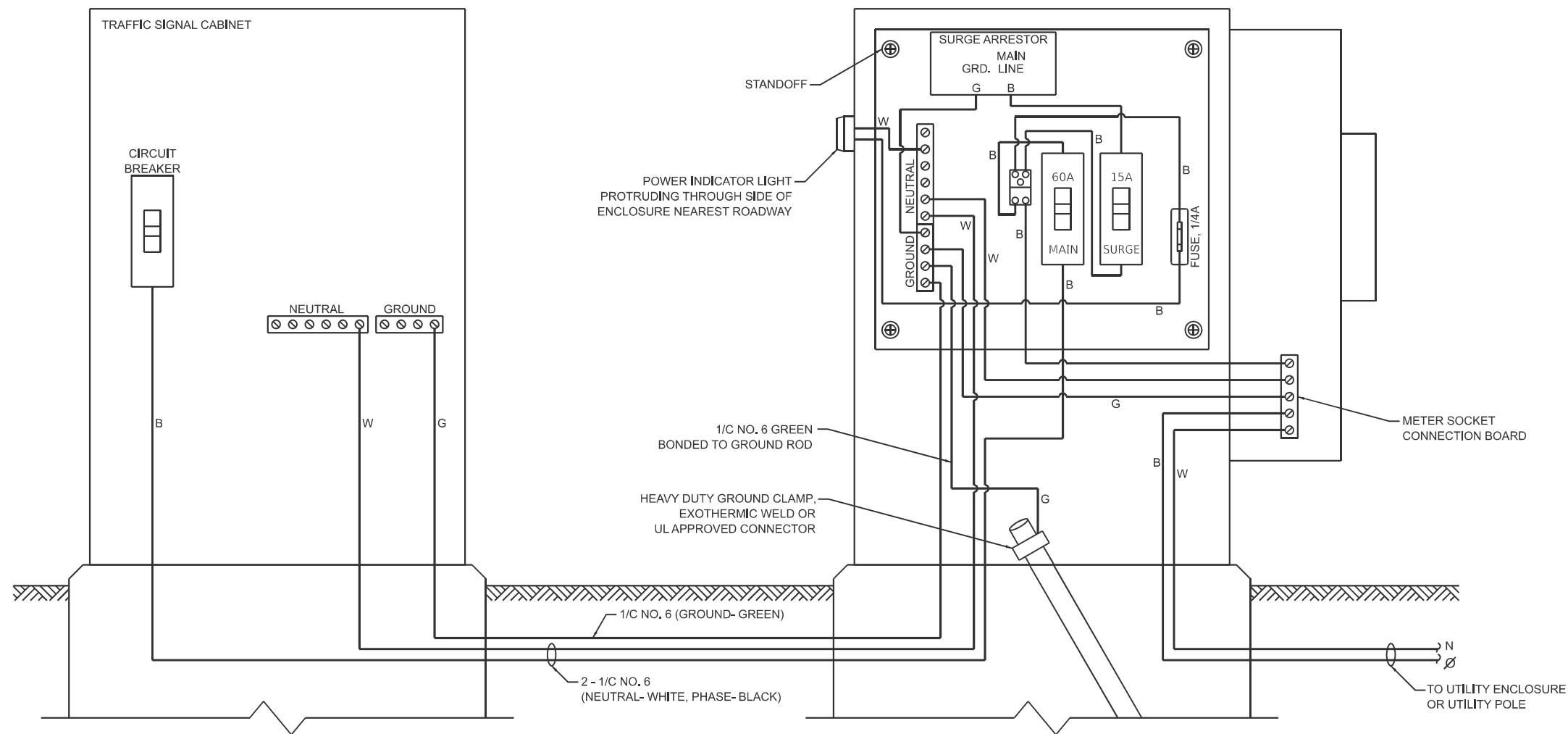
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
PLOT SCALE = \$\$CALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

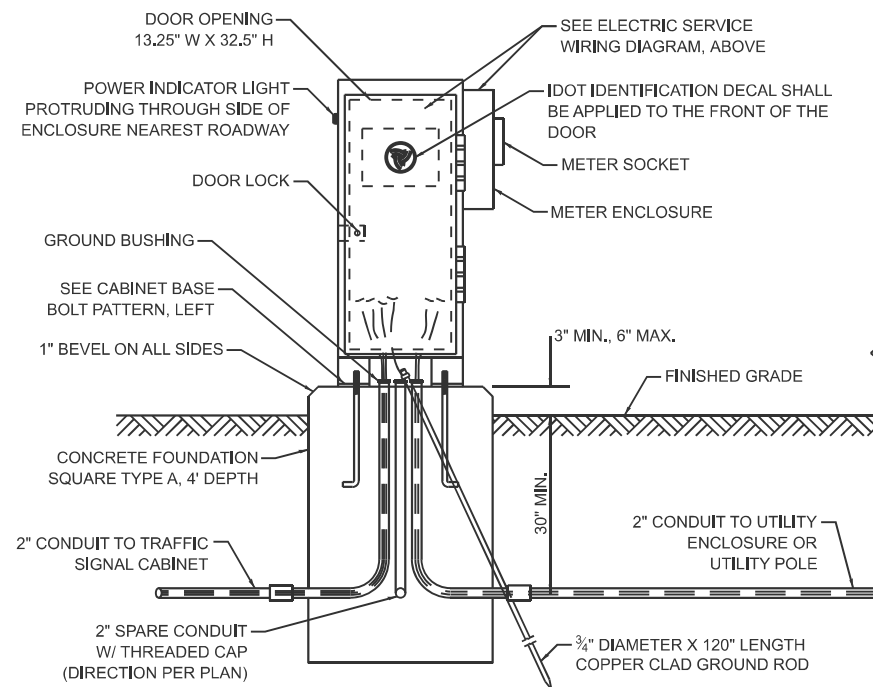
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	21
TS-01			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				



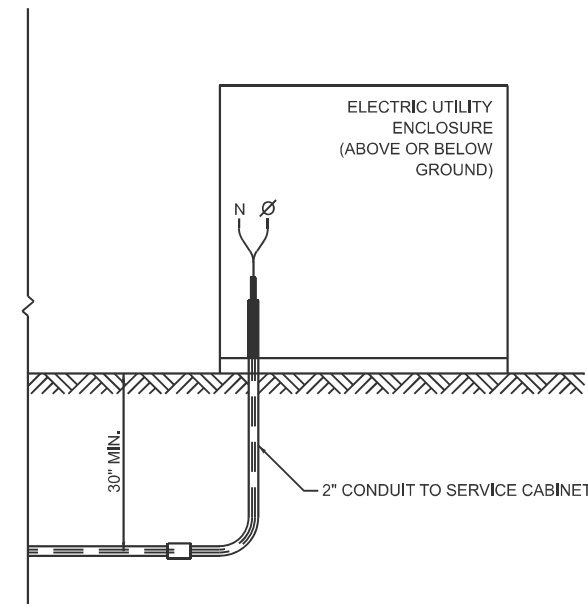
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

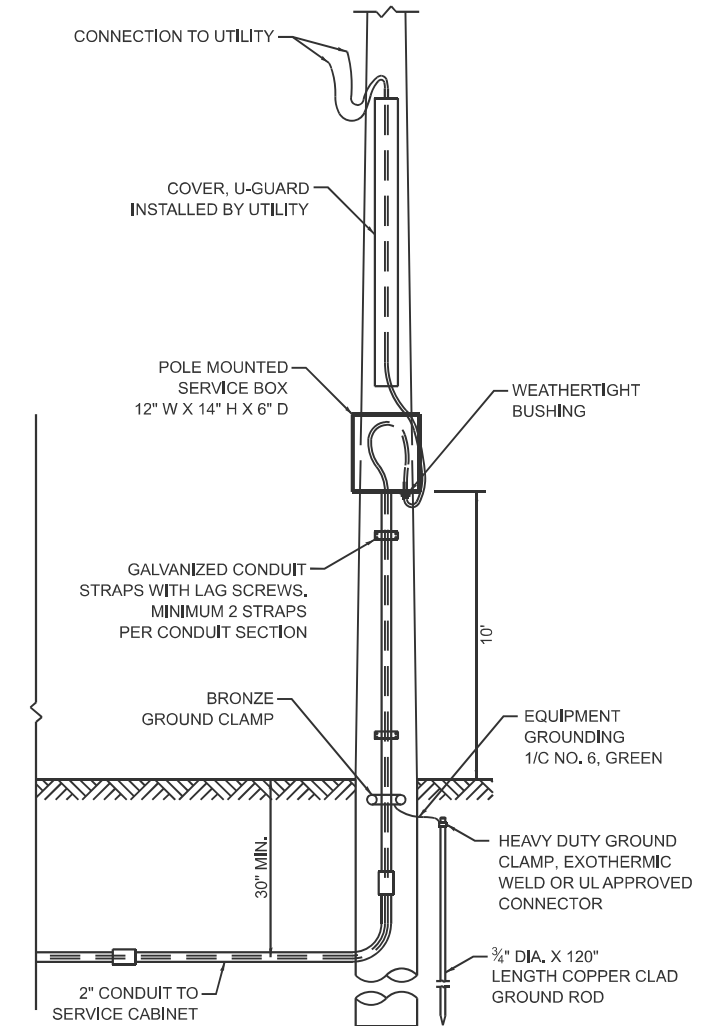
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. 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.



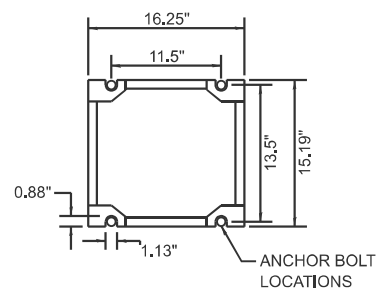
SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CONNECTION TO UTILITY ENCLOSURE



CONNECTION TO UTILITY POLE



CABINET BASE BOLT PATTERN

MODEL: TS-01d (Sheet)
FILE NAME: c:\p\work\ts01d\lawrence.demanche\illinois\rev\0951416\TS-01.dgn

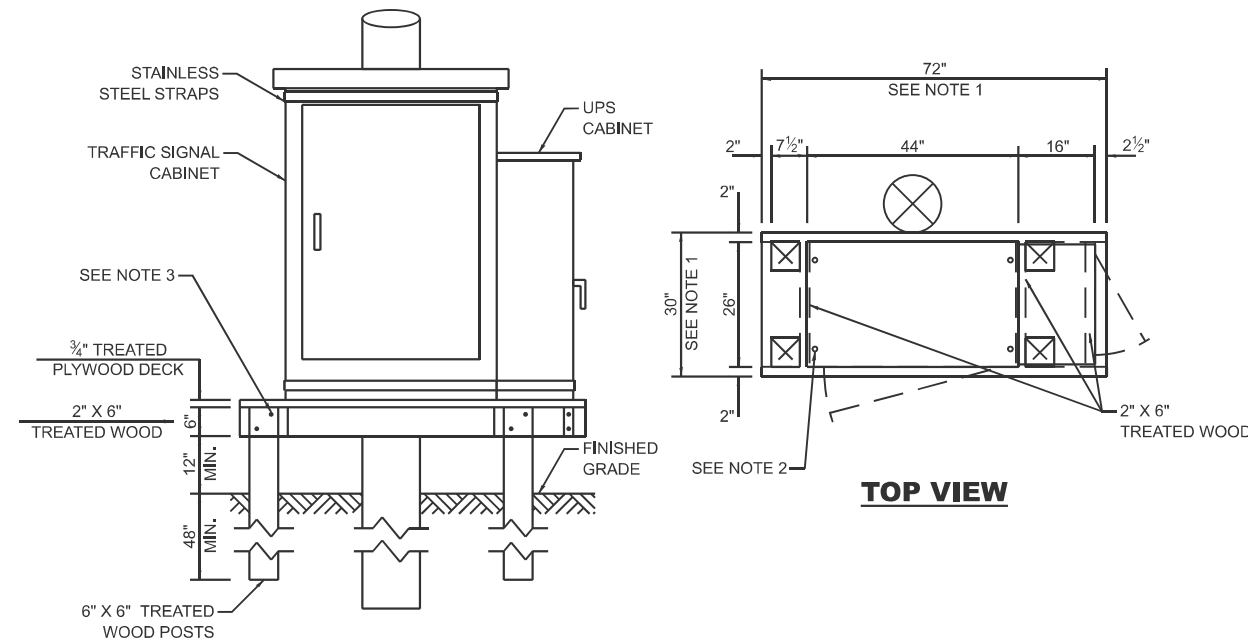
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
DRAWN - IP	REVISIONS -	
PLOT SCALE = \$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

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. 371	SECTION 2025-2105-RS	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 22
TS-01			CONTRACT NO. 80C48	
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.

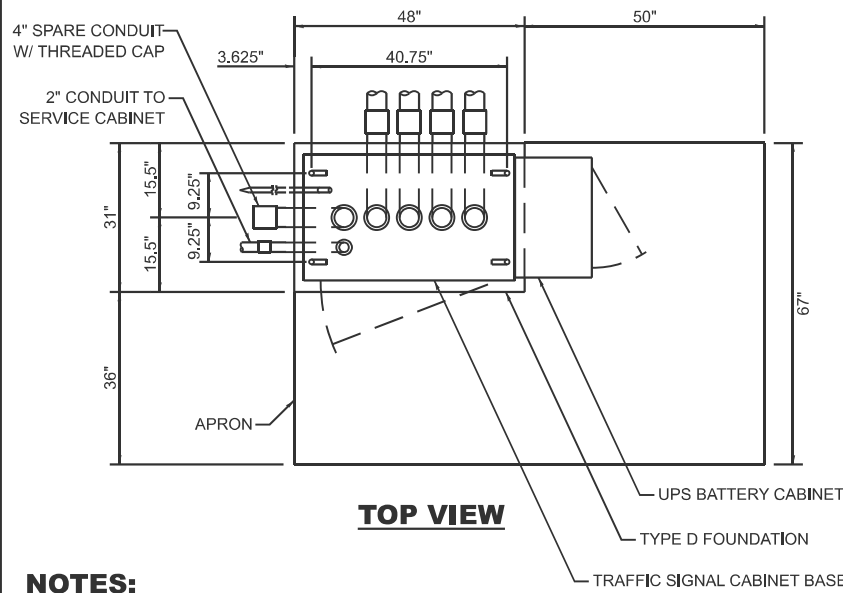
TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM

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

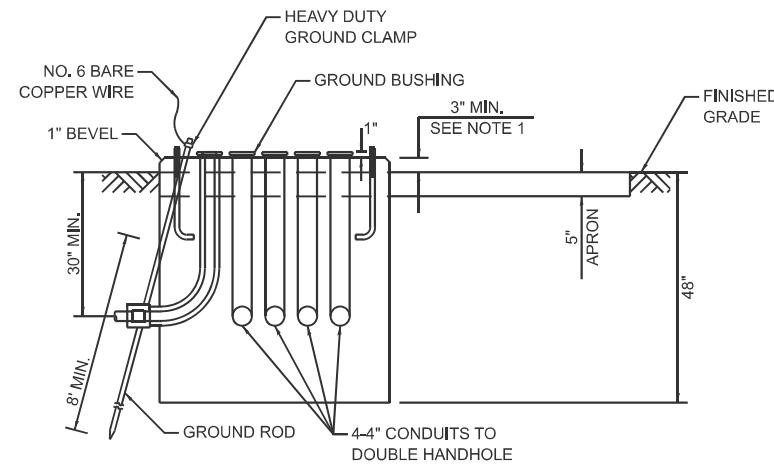
TYPE E FOUNDATION NOTES:

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.

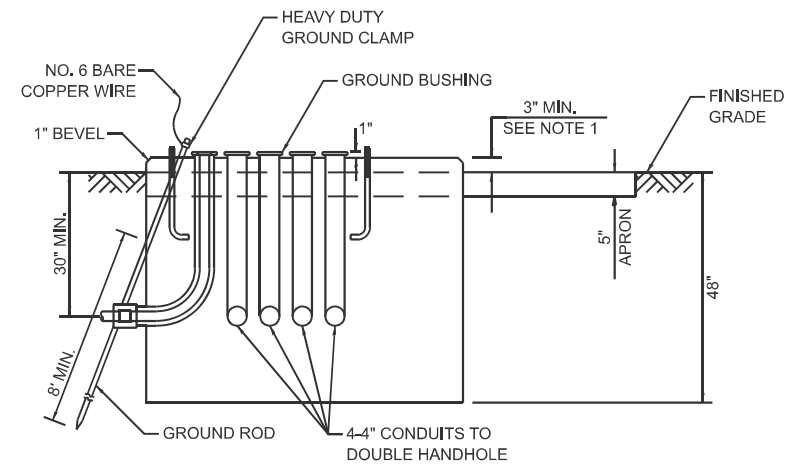


TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET



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-01e (Sheet) FILE NAME: c:\p\work\civil\lawrence.demanche\illinois.rev\0951416\TS-01.dgn

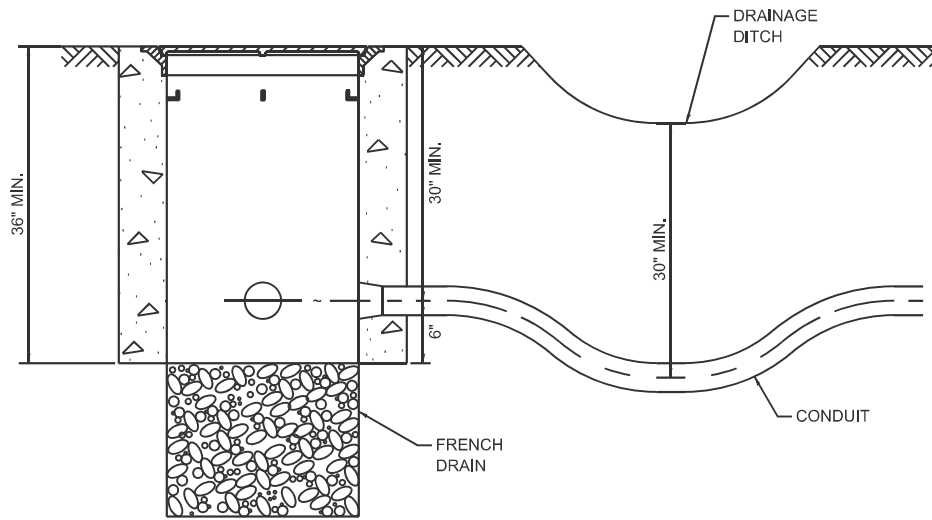
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
DRAWN - IP	REVISIONS -	
PLOT SCALE = \$\$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

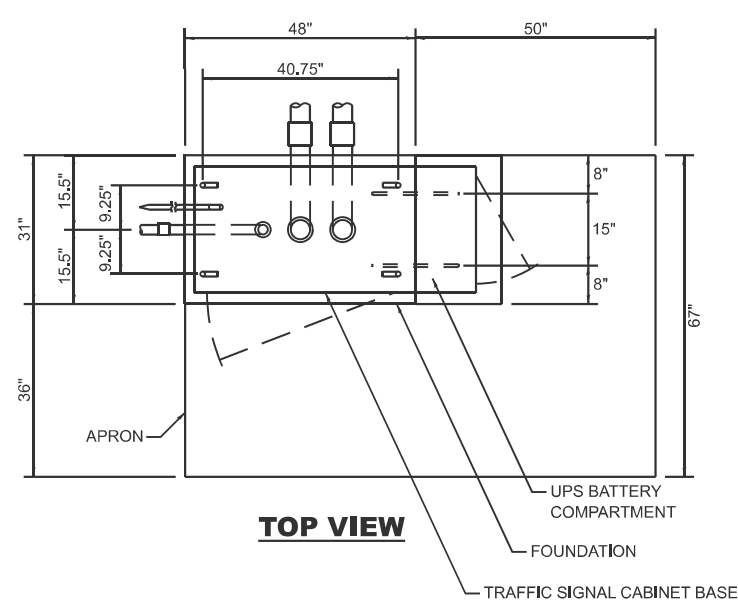
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	23
TS-01		CONTRACT NO. 80C48		
ILLINOIS FED. AID PROJECT				



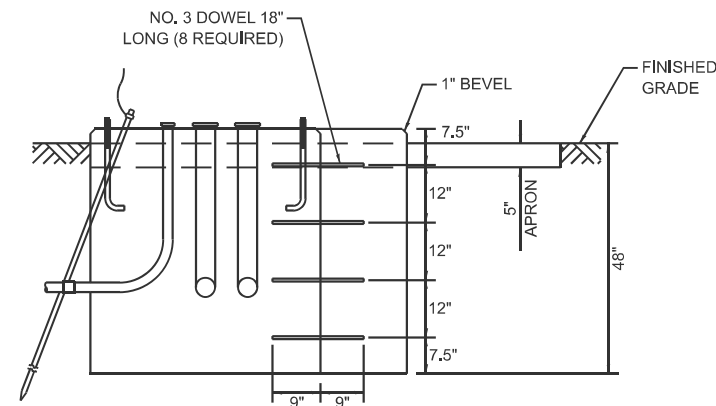
NOTES:

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.

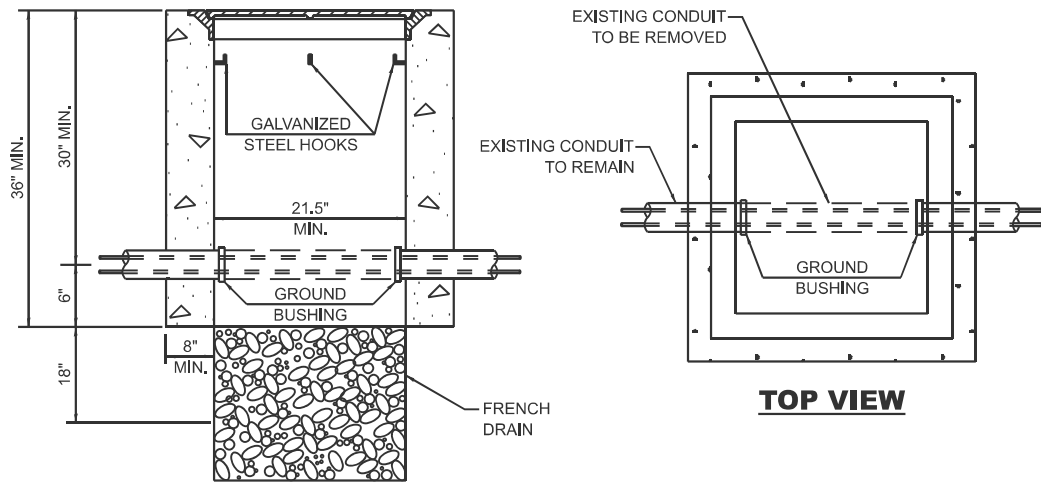
HANDHOLE WITH MINIMUM CONDUIT DEPTH



TOP VIEW



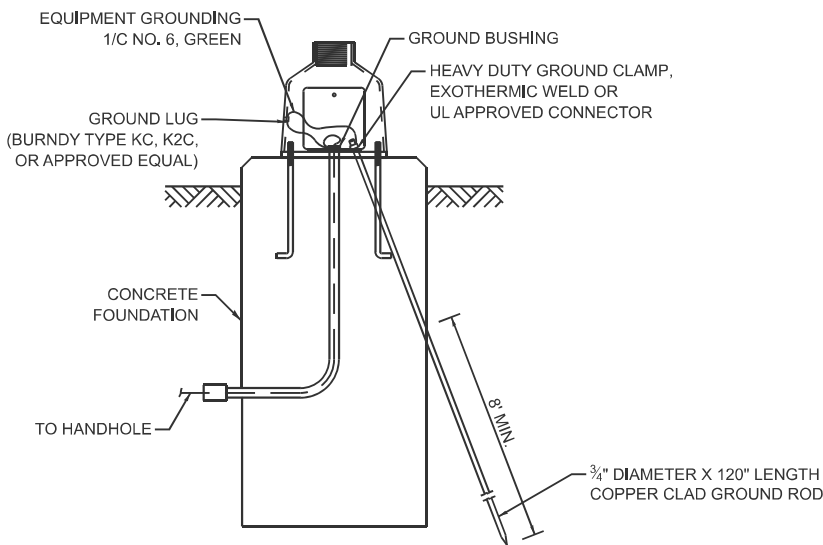
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



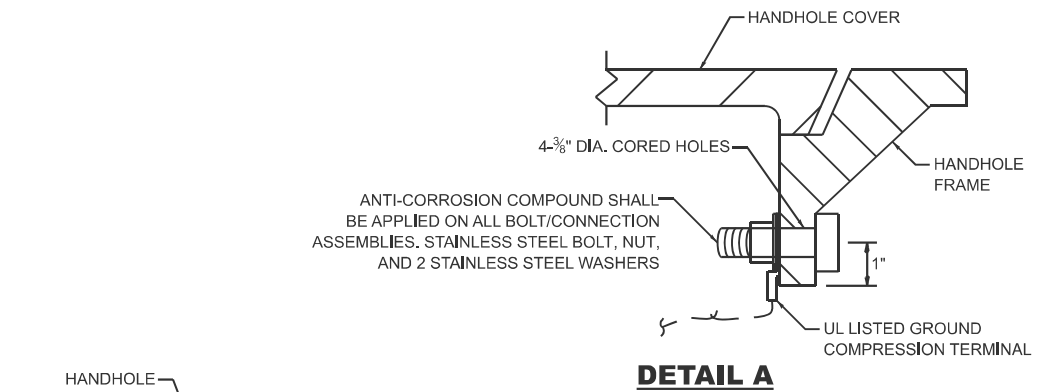
NOTES:

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.

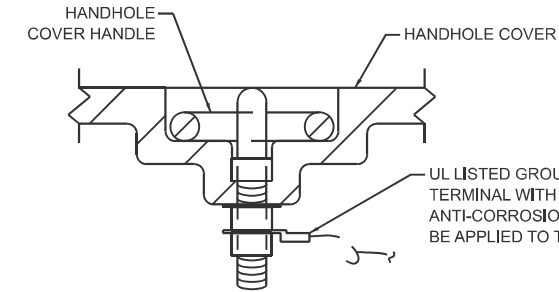
HANDHOLE TO INTERCEPT EXISTING CONDUIT



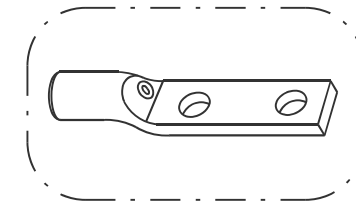
MAST ARM / POST GROUNDING DETAIL



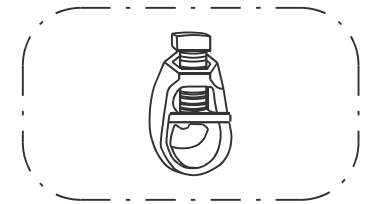
DETAIL A



DETAIL B



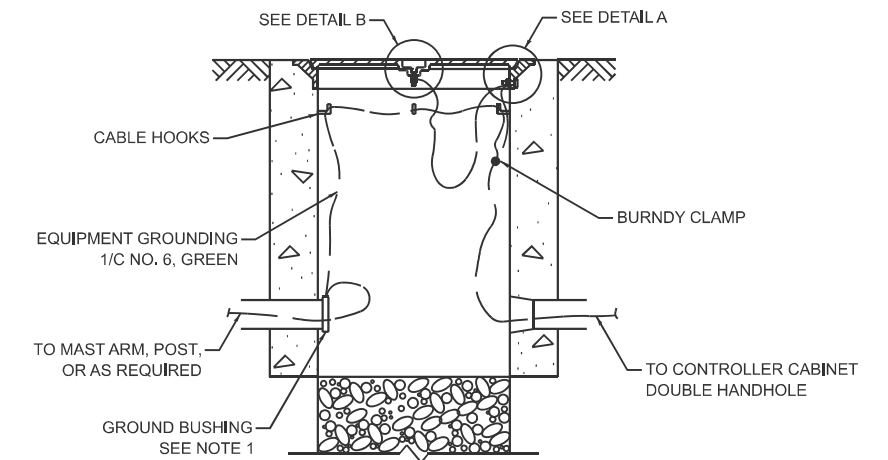
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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 GROUNDED.
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-01f (Sheet) FILE NAME: c:\pwworking\illinois.demanche\0951416\TS-01.dgn

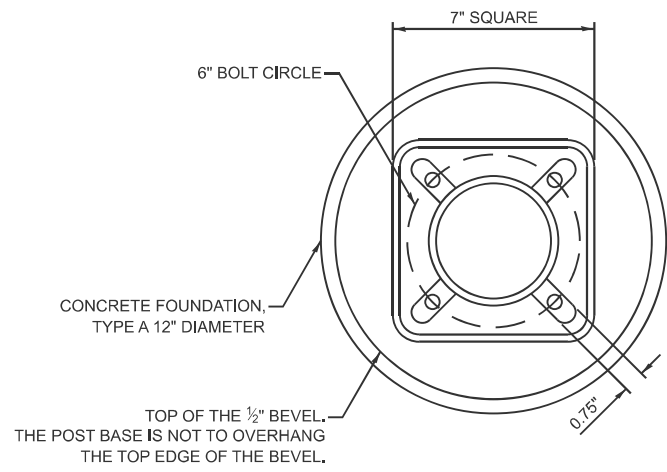
USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
DRAWN - IP	REVISIONS -	
PLOT SCALE = \$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

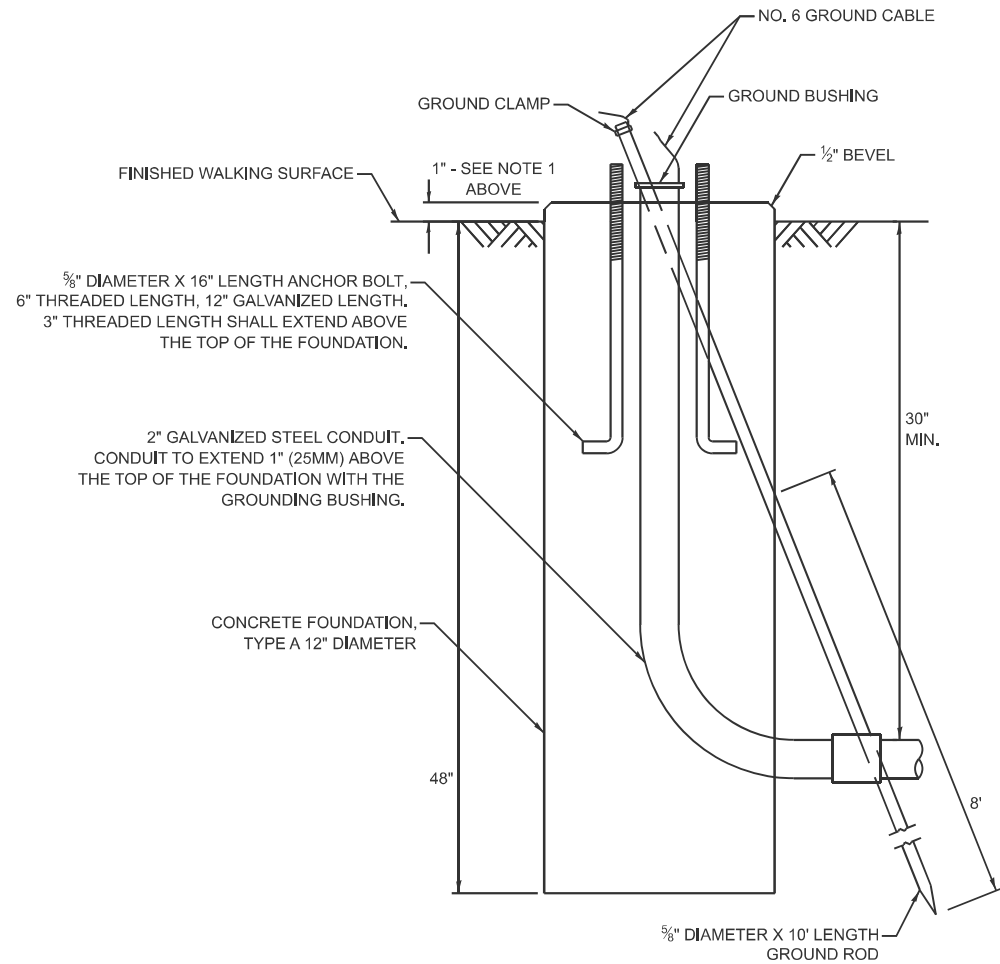
F.A.P. RTE. 371	SECTION 2025-2105-RS	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 24
TS-01			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				



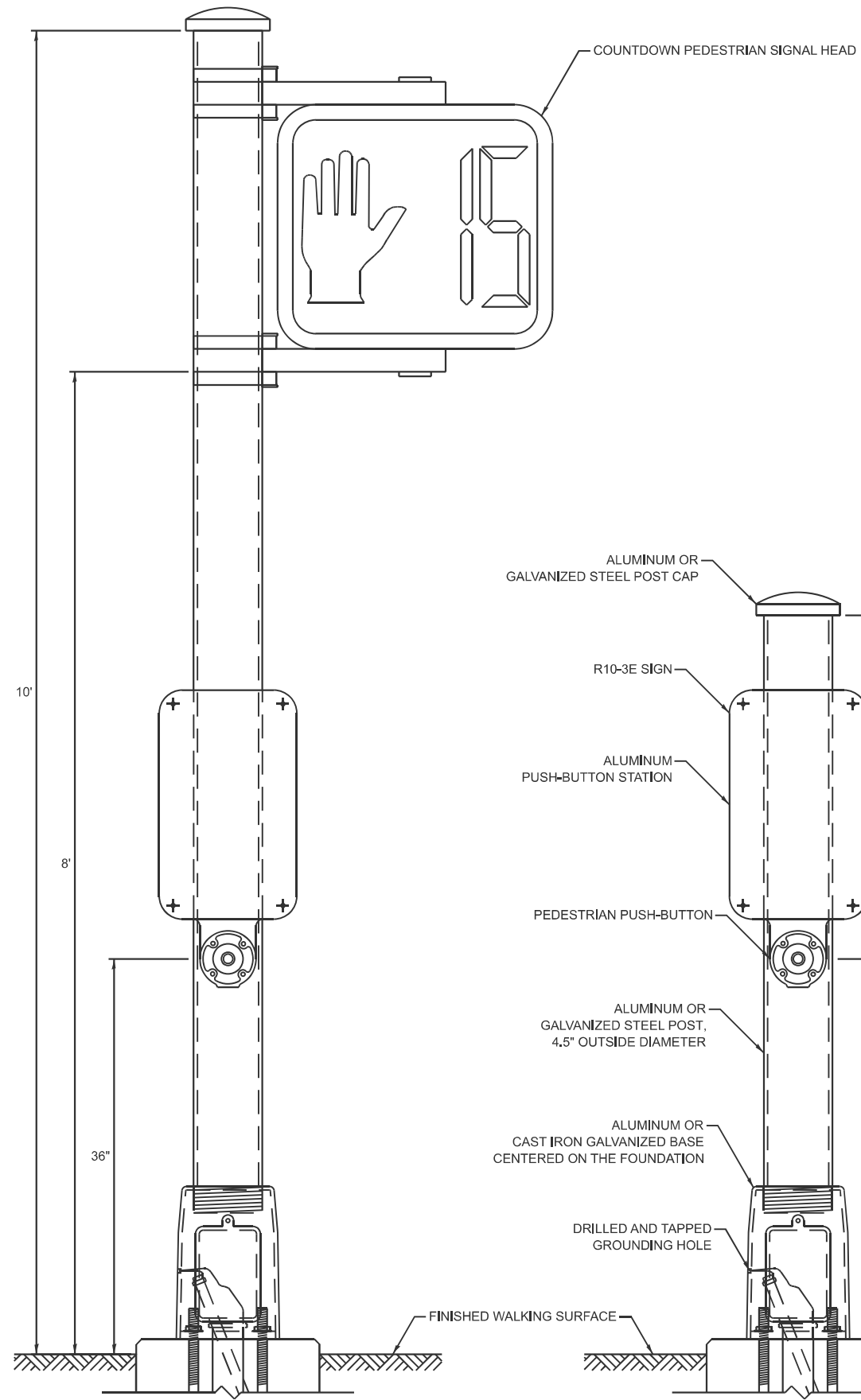
BOLT PATTERN

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.

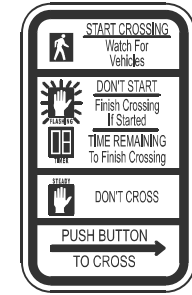


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



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-01a (Sheet)
FILE NAME: c:\p\work\wiscoll\lawrence.demanche\illinois.rev\0951416\TS-01.dgn

USER NAME = lawrence.demanche	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED - NB/KK	REVISED -
PLOT DATE = 12/16/2025	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.
371	2025-2105-RS	LAKE	42	25
TS-01			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				



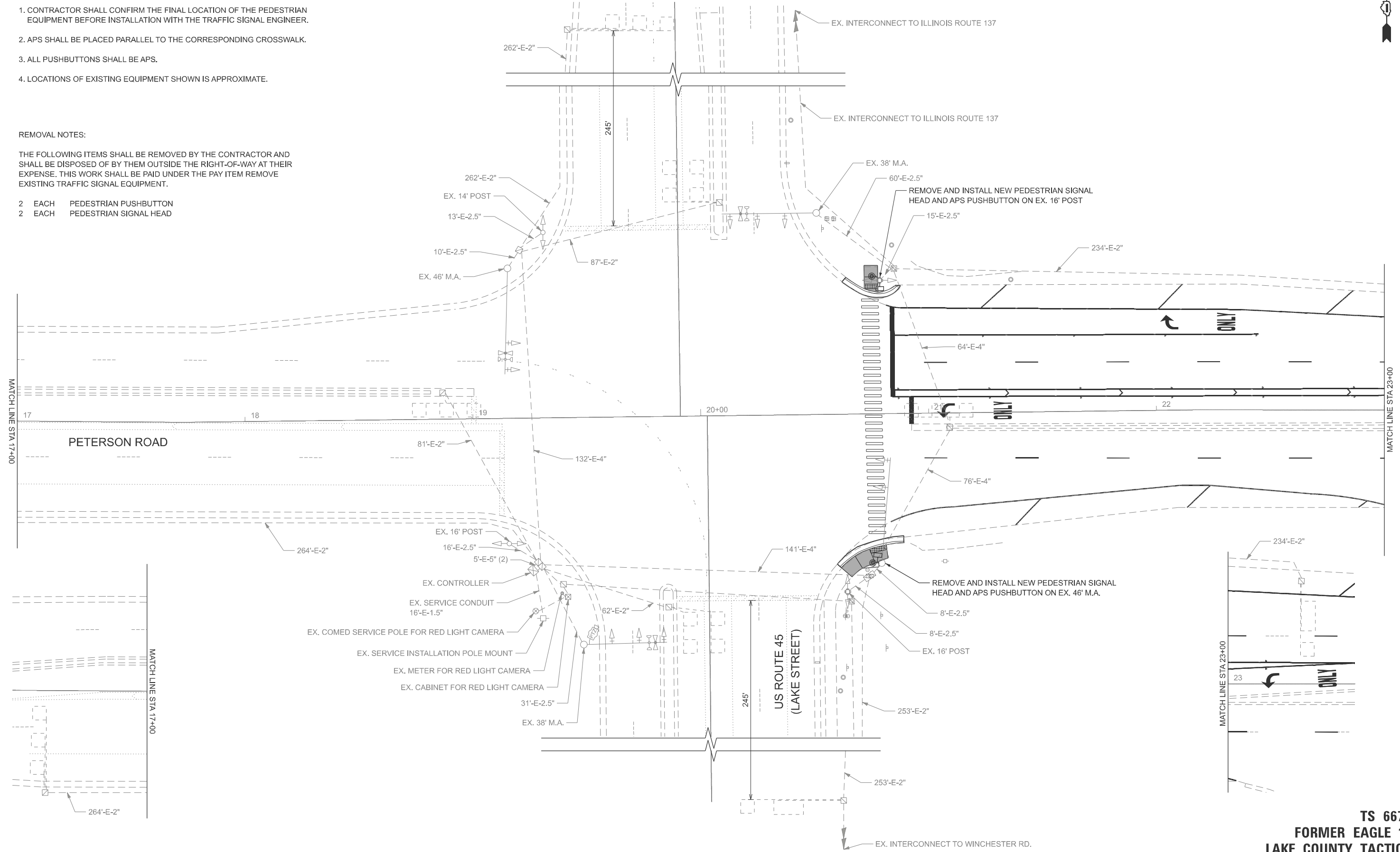
NOTE:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSHBUTTONS SHALL BE APS.
4. LOCATIONS OF EXISTING EQUIPMENT SHOWN IS APPROXIMATE.

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

- 2 EACH PEDESTRIAN PUSHBUTTON
- 2 EACH PEDESTRIAN SIGNAL HEAD



MODEL: Default
 FILE NAME: c:\users\public\mbp\p\3\0289063\0180C48-Border-Traffic.dgn

Michael Baker INTERNATIONAL
 200 West Adams Street, Suite 1900, Chicago, IL 60606
 Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Amy.Salisbury	DESIGNED - AJS	REVISED -
	DRAWN - AJS	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 4/28/2026	DATE - 04/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

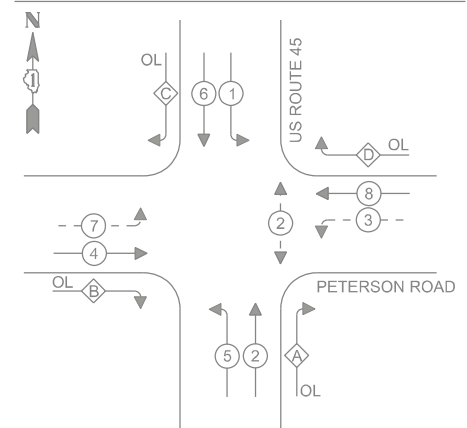
**TRAFFIC SIGNAL MODERNIZATION PLAN
US ROUTE 45 (LAKE ST) AND PETERSON RD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	26
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

**TS 6675
FORMER EAGLE 1J
LAKE COUNTY TACTICS**

EXISTING CONTROLLER SEQUENCE



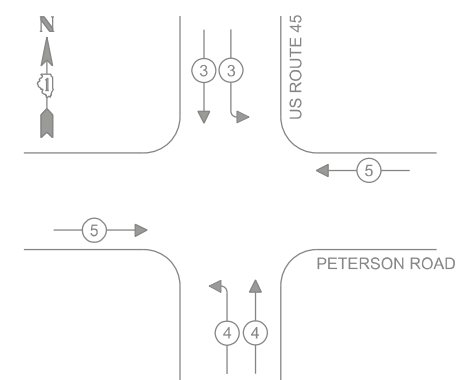
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS

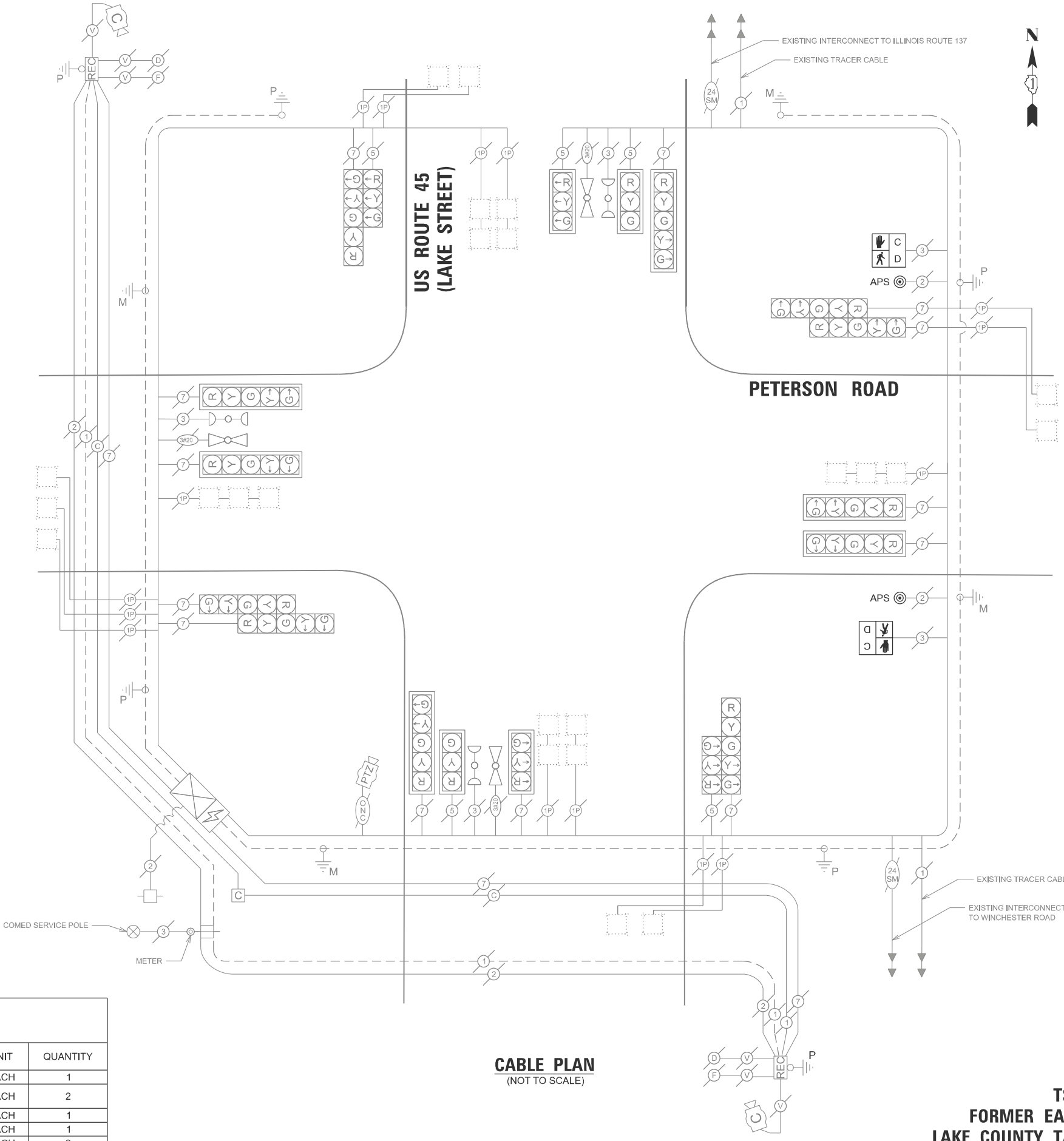
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			462
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1,142

ENERGY COSTS TO:
 VILLAGE OF LIBERTYVILLE
 118 W. COOK AVENUE
 LIBERTYVILLE, IL 60048

ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: (866) 639-3532
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 02204-62222
 METER NUMBER: 273279979

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2



CABLE PLAN
(NOT TO SCALE)

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES US ROUTE 45 (LAKE ST) AND PETERSON RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	27

CONTRACT NO. 80C48

TS 6675
FORMER EAGLE 1J
LAKE COUNTY TACTICS

MODEL: Default FILE NAME: c:\users\public\mbp\3\028903\0180C48-Border-Traffic.dgn

Michael Baker INTERNATIONAL
 200 West Adams Street, Suite 1900, Chicago, IL 60606
 Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Amy.Salisbury	DESIGNED - AJS	REVISED -
	DRAWN - AJS	REVISED -
	CHECKED - WJT	REVISED -
PLOT DATE = 4/28/2026	DATE - 04/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

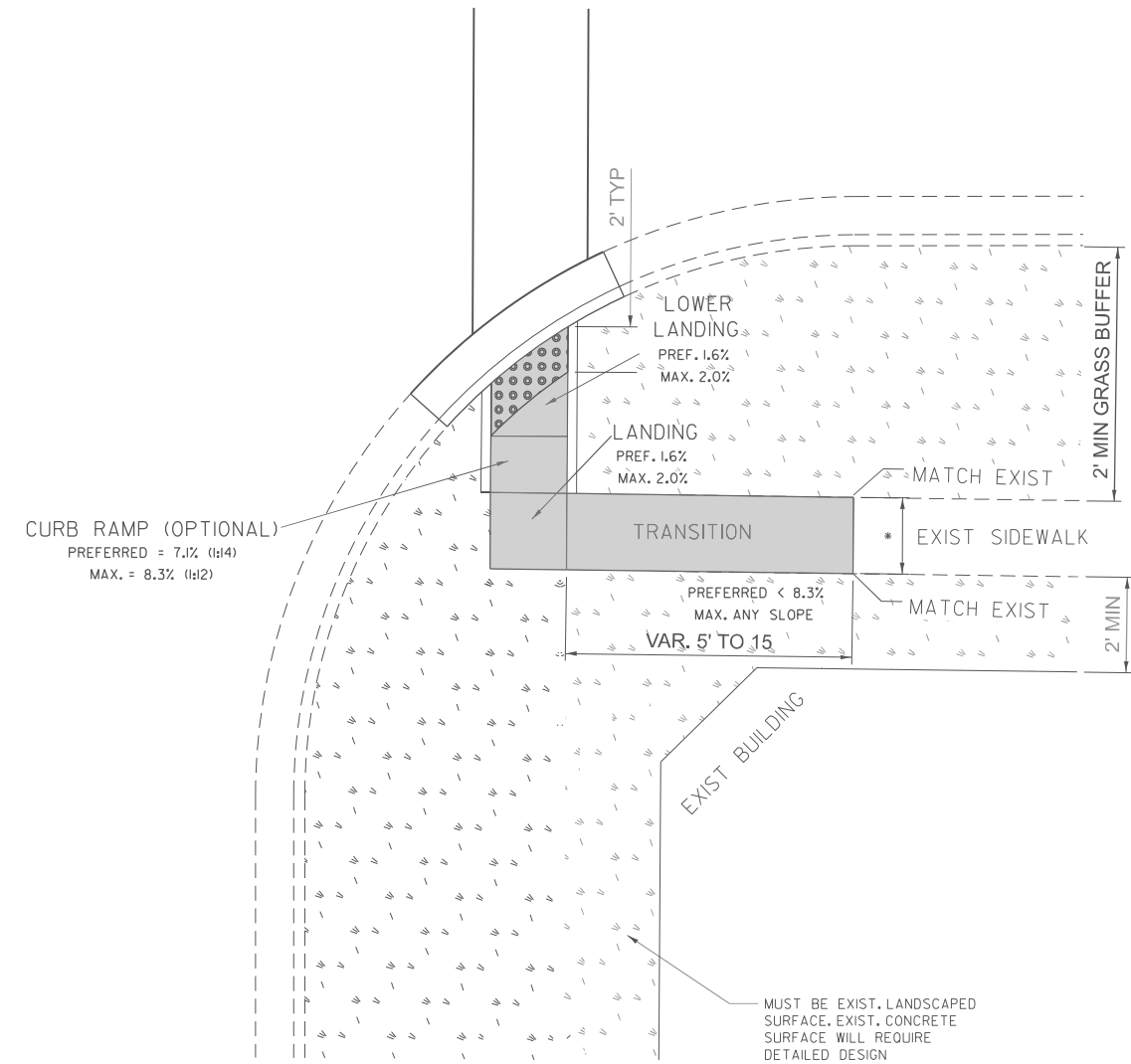
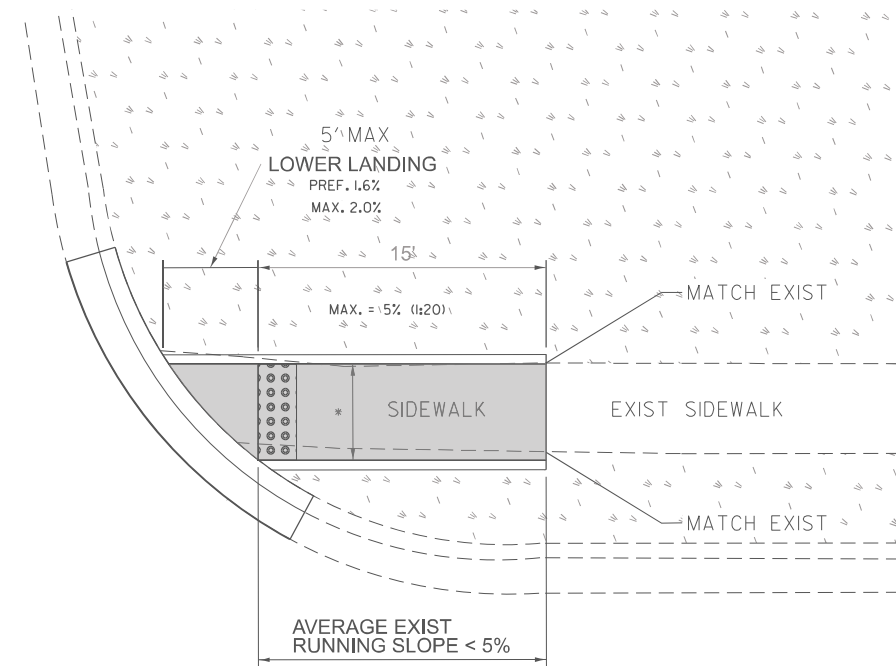
ILLINOIS FED. AID PROJECT

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

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-01B

PD-04B (MODIFIED)



- DESIGNER NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48).
 - 2) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
 - 3) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

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

- CONSTRUCTION NOTES:**
- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

MODEL: Default
FILE NAME: D:\80C48\shh+PD\shd-01.dgn

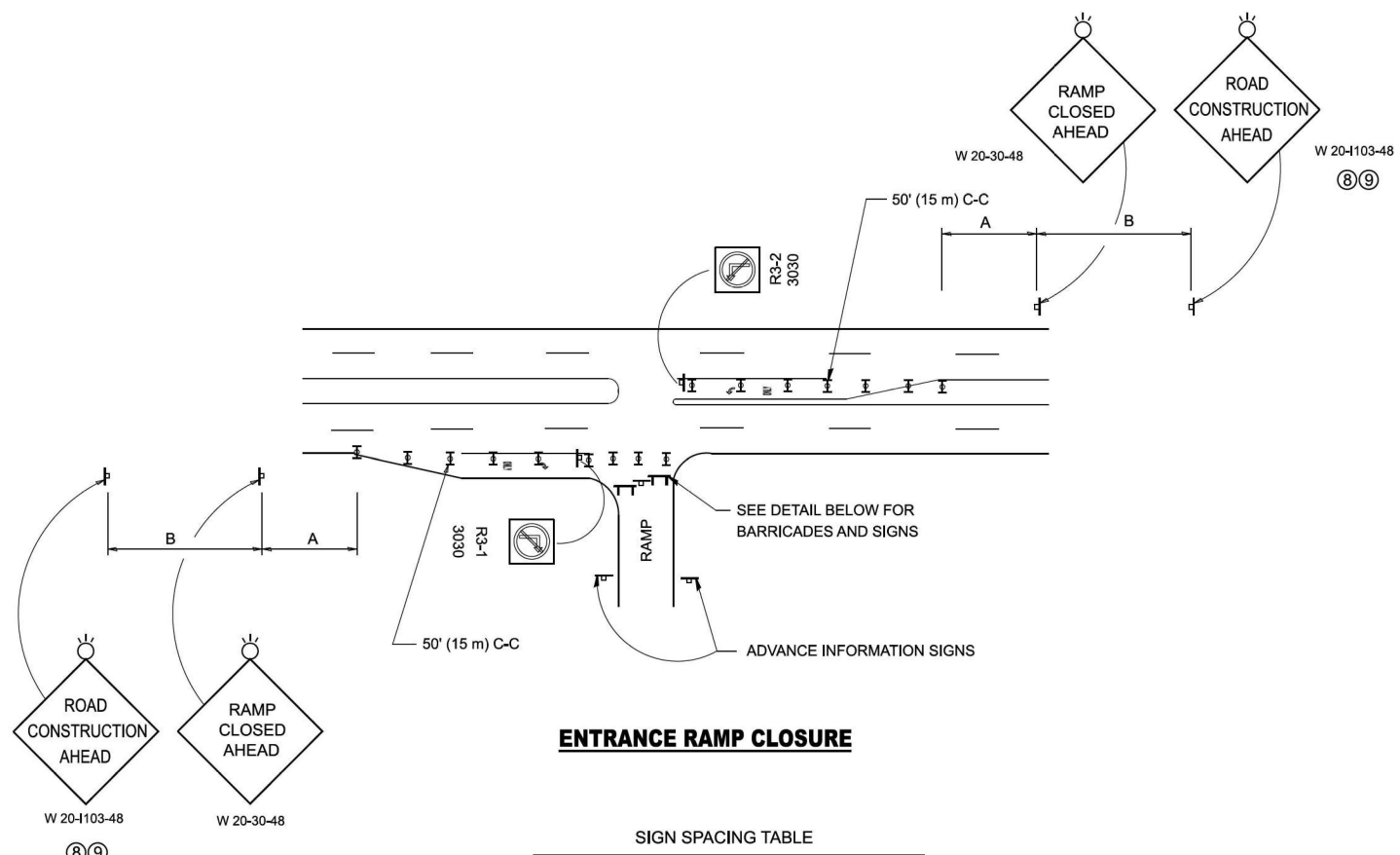
Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1900, Chicago, IL 60606 Phone: (312) 707-8770 • MBAKERINTL.COM	USER NAME = Amy.Salisbury	DESIGNED - AMVB	REVISED -
		DRAWN - AMVB	REVISED -
		CHECKED - WJT	REVISED -
	PLOT DATE = 3/27/2026	DATE - 03/27/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA PD STANDARDS
PETERSON ROAD - US 45 TO IL 137 (BUCKLEY RD RAMPS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0371	2025-2105-RS	LAKE	42	28
CONTRACT NO. 80C48				
ILLINOIS FED. AID PROJECT				

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

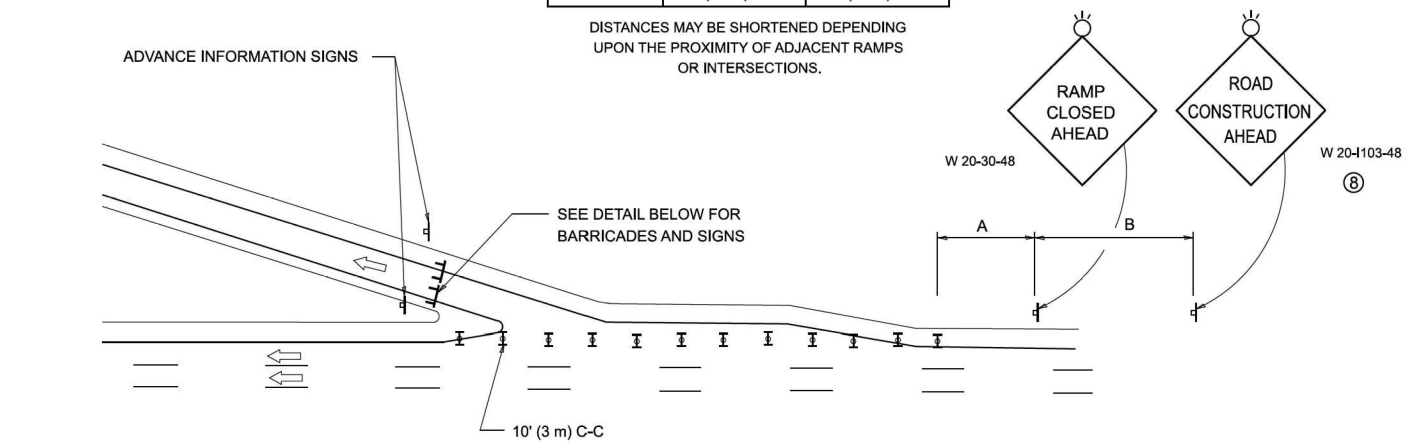


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

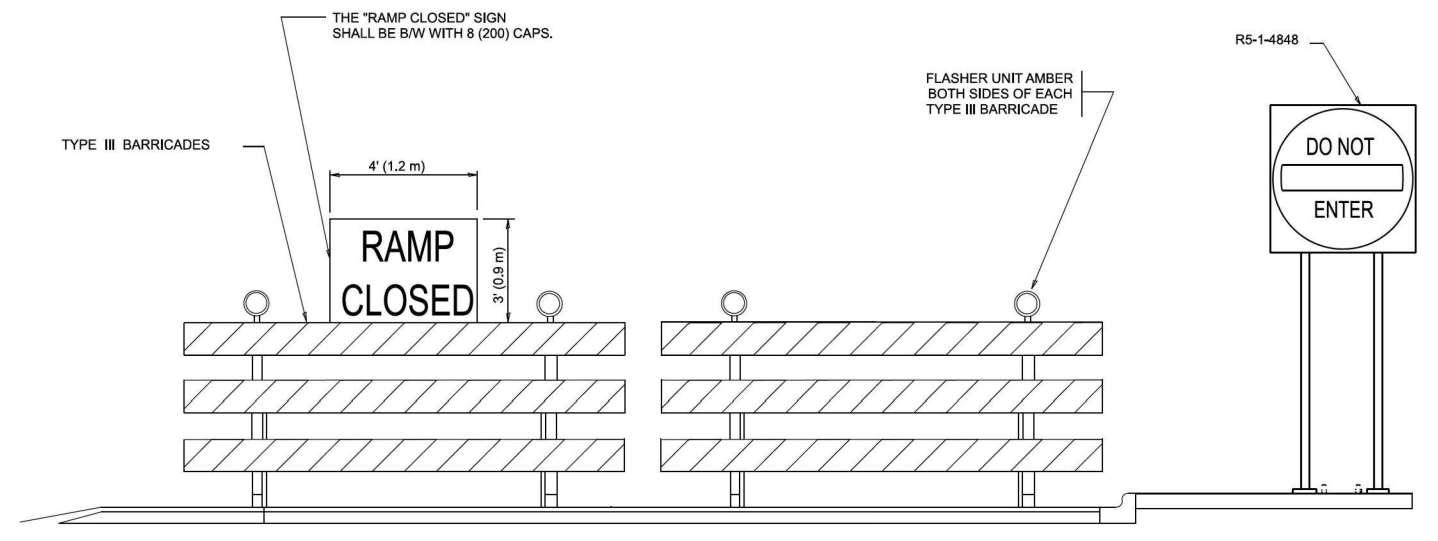
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

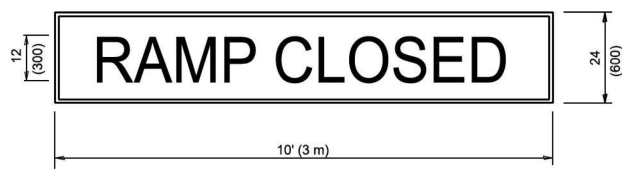
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



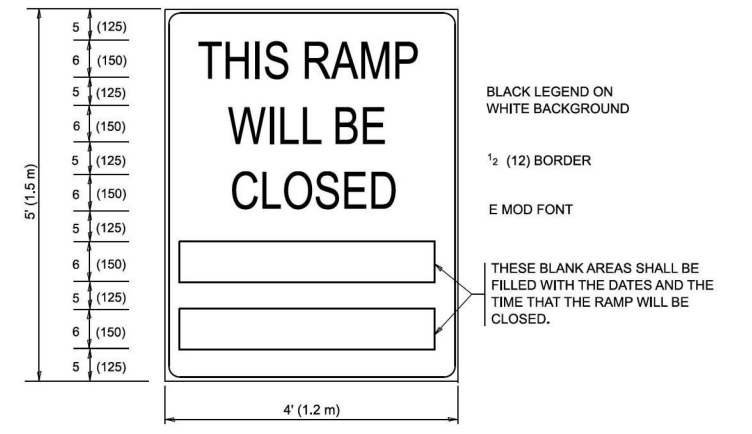
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

MODEL: TC-08 (Sheet) FILE NAME: c:\paw\work\lawrence.demanche\illinois\0951415\TC-08.dgn

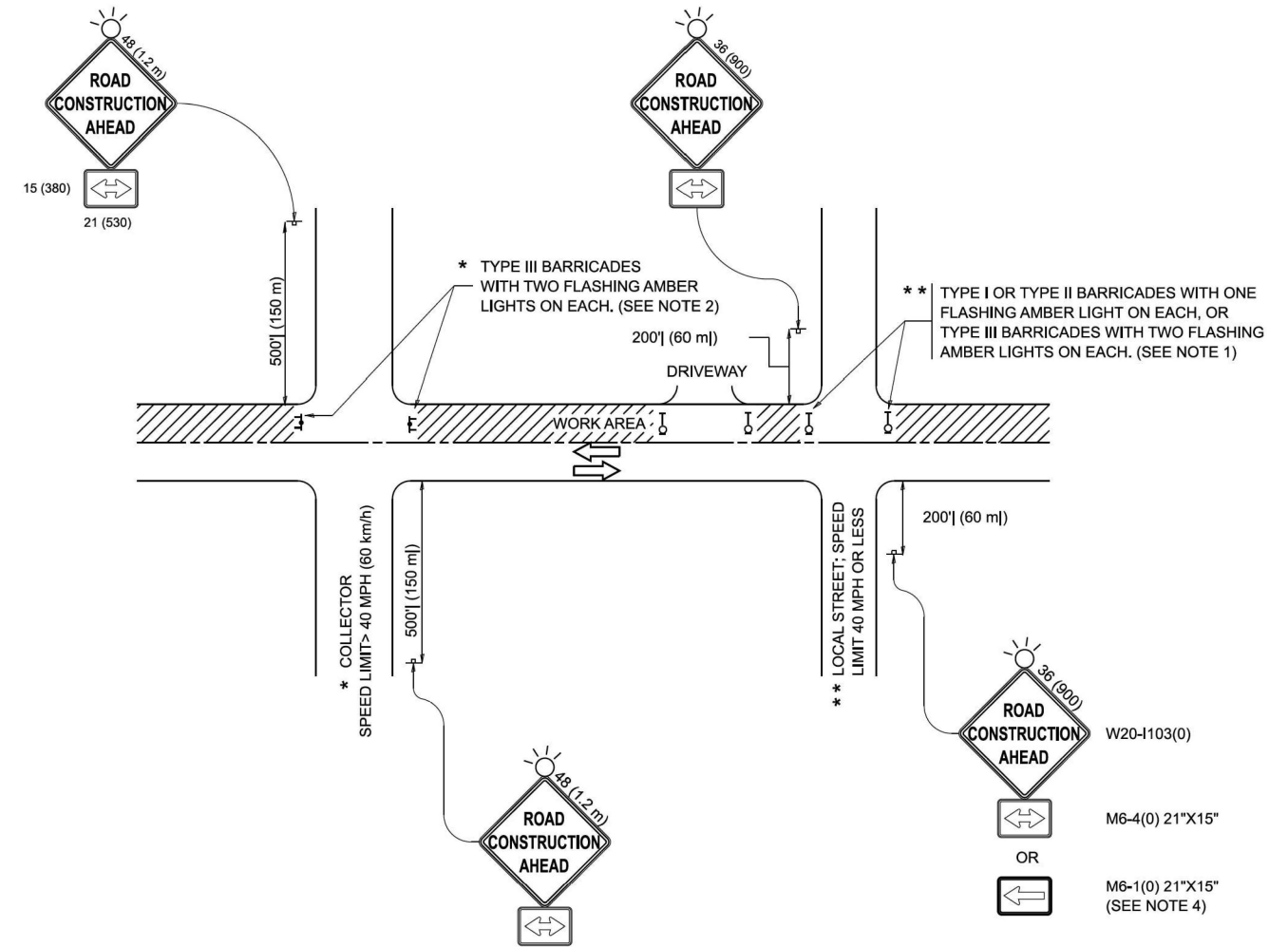
USER NAME = lawrence.demanche	DESIGNED - D.W.S.	REVISED - S.P.B._12-09
PLOT SCALE = 0.08333317 / in.	CHECKED -	REVISED - M.D._06-13
PLOT DATE = 10/2/2025	DATE - 02-83	REVISED - M.D._01-18
		REVISED - D.S._05-25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	33
TC-08			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: TC-10 (Sheet)
FILE NAME: c:\paw_work\paw\lawrence.demanche\illinois.gov\0951415\TC-10.dgn

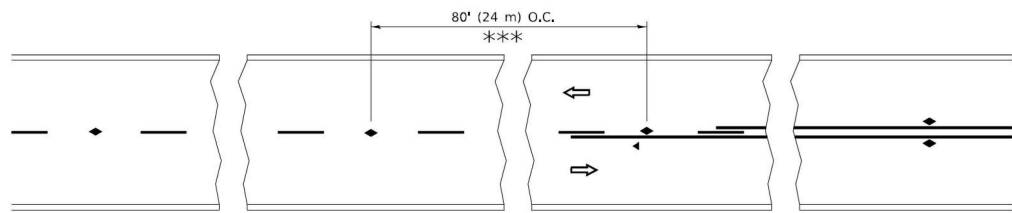
USER NAME = lawrence.demanche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 0.083333317 / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

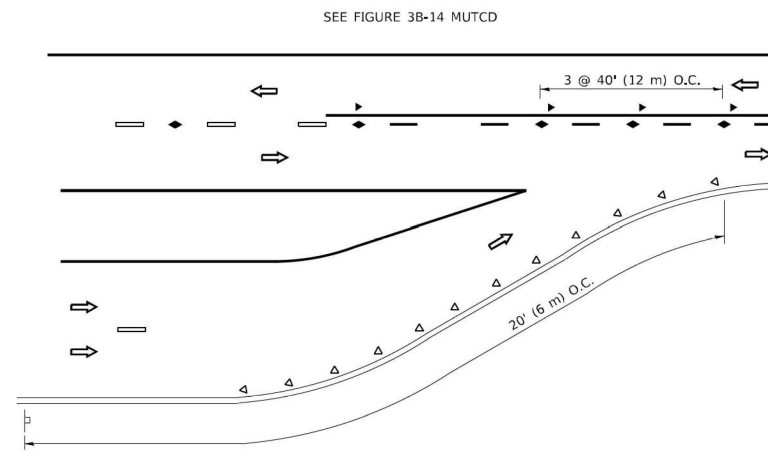
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	34
TC-10			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				

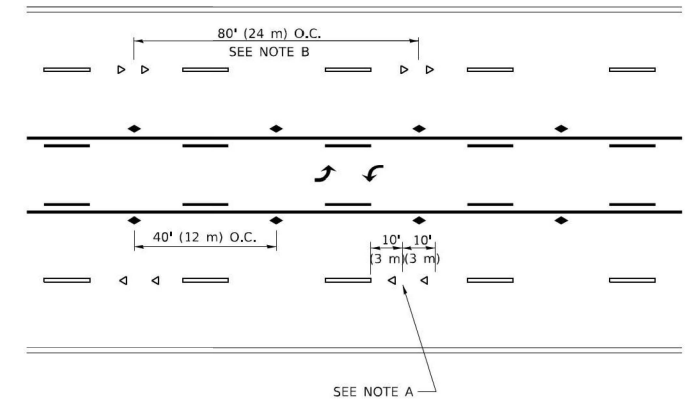


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

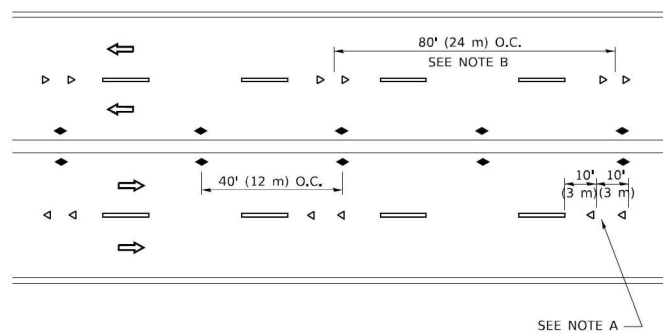
TWO-LANE/TWO-WAY



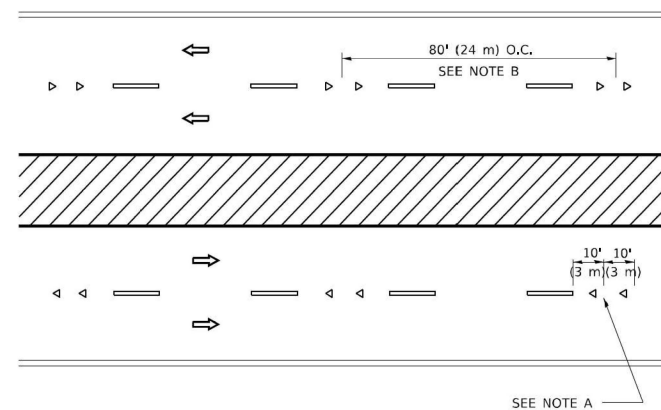
LANE REDUCTION TRANSITION



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

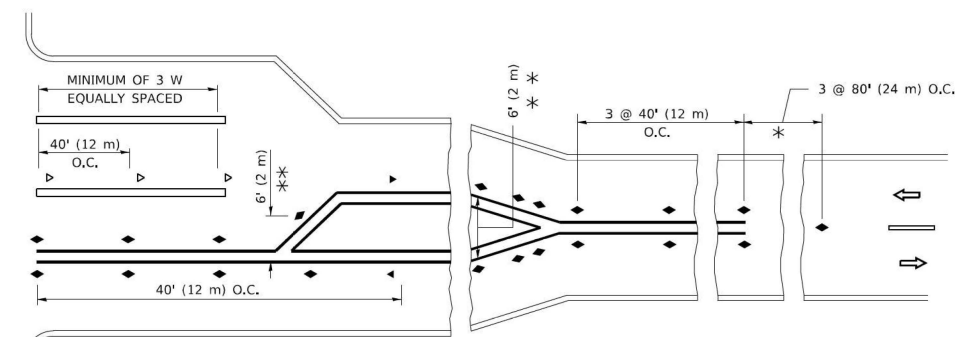
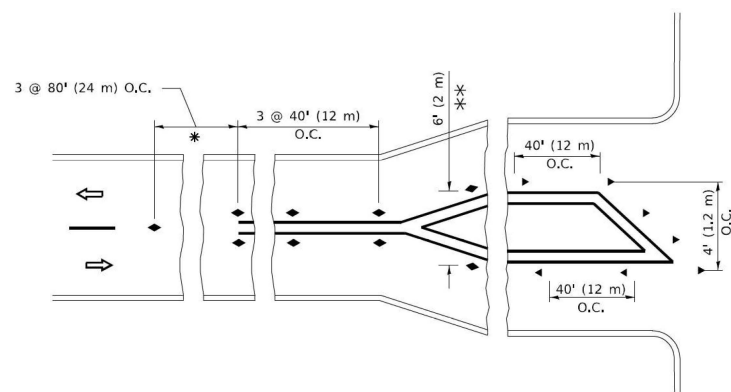
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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

TURN LANES

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

MODEL: Default
 FILE NAME: p:\1104848\BID\INTEC\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DH5422323\CAD\Drawings\CAD\Sheet\TC11.dgn

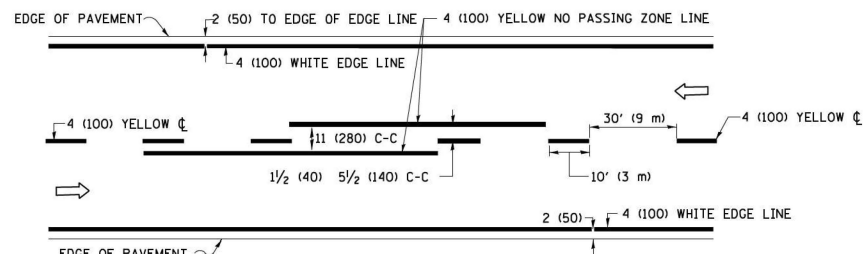
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

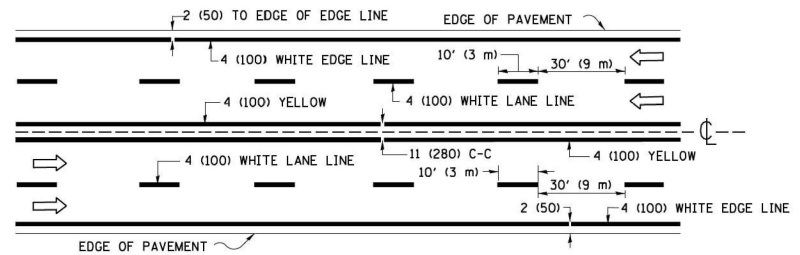
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

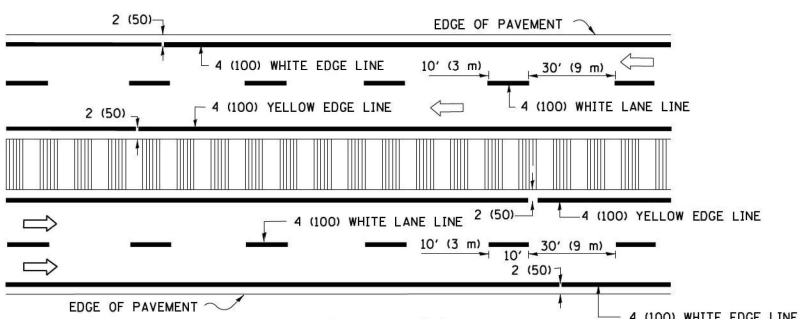
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	35
TC-11			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

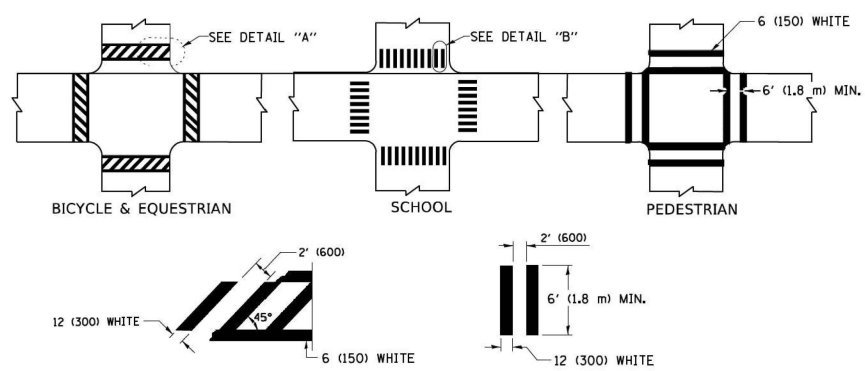


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

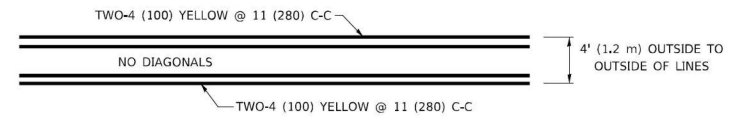


DETAIL "A"

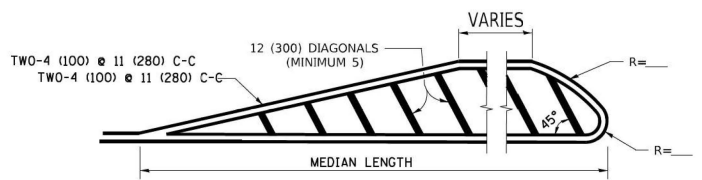
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

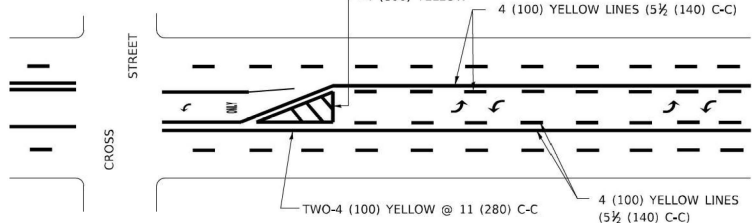


4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

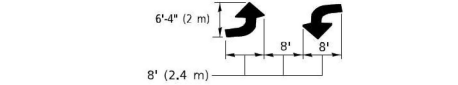
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

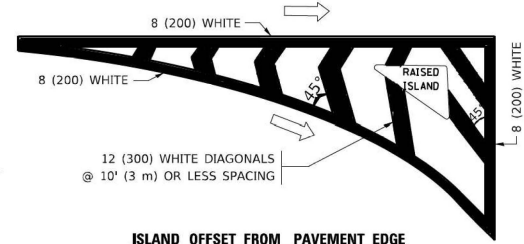
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



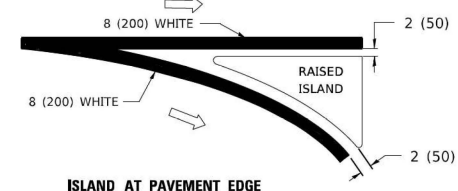
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

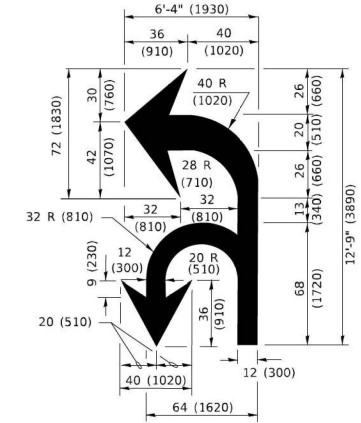


ISLAND OFFSET FROM PAVEMENT EDGE

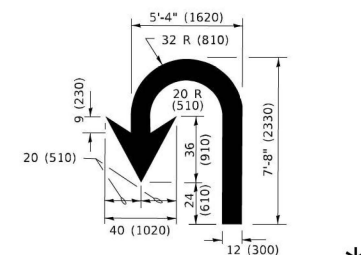


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

MODEL: D:\draft\...
FILE NAME: ...

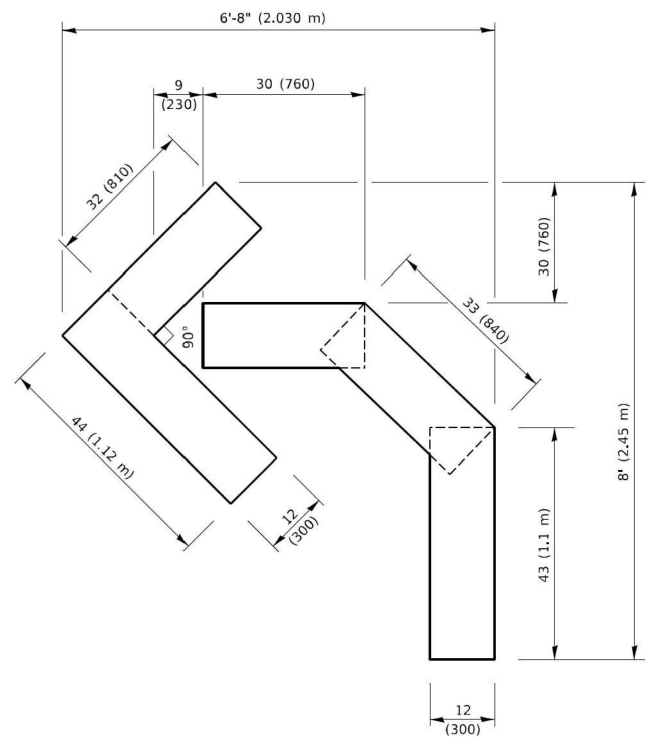
USER NAME	DESIGNED	REVISED
= footemj	- EVERS	- C. JUCIUS 09-09-09
		- C. JUCIUS 07-01-13
		- C. JUCIUS 12-21-15
		- C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

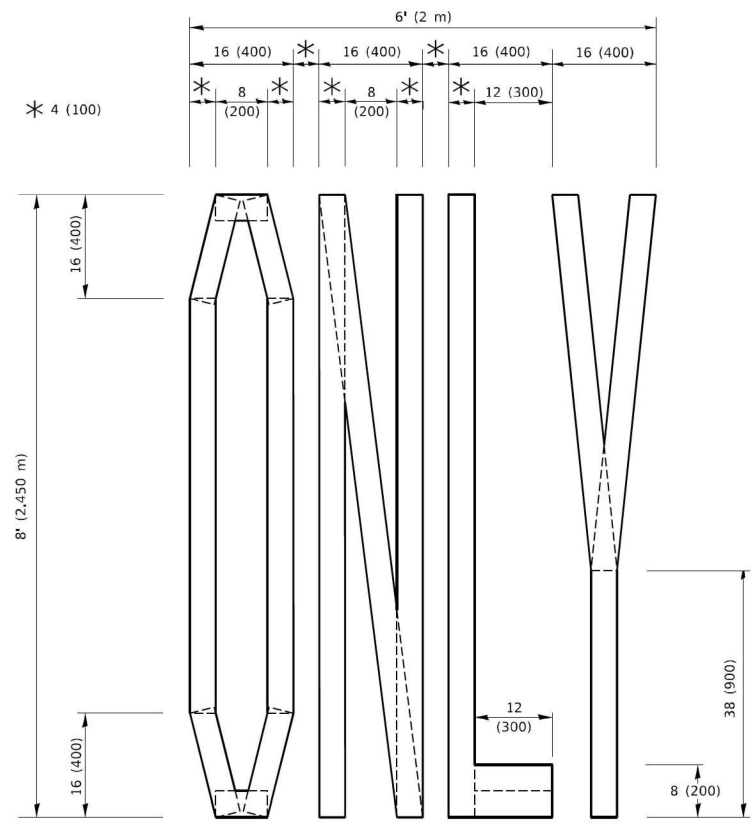
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.
-------------	---------------------	--------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	36
TC-13		CONTRACT NO. 80C48		
ILLINOIS FED. AID PROJECT				



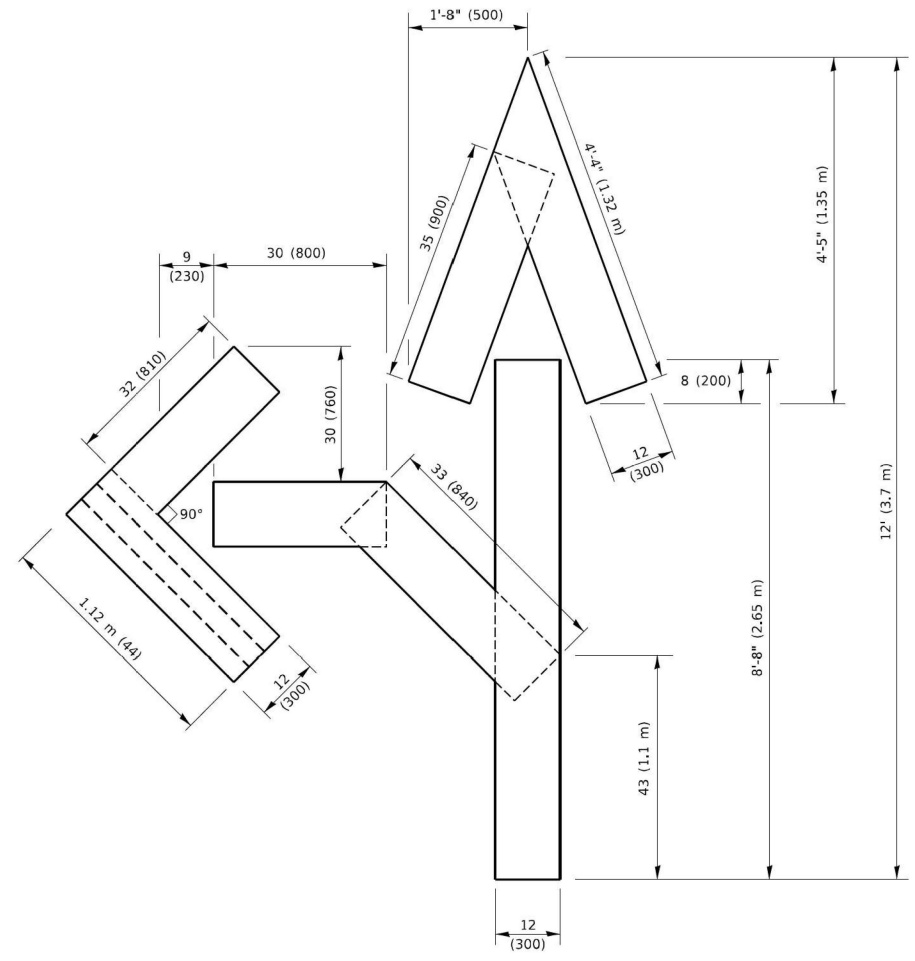
QUANTITY

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)

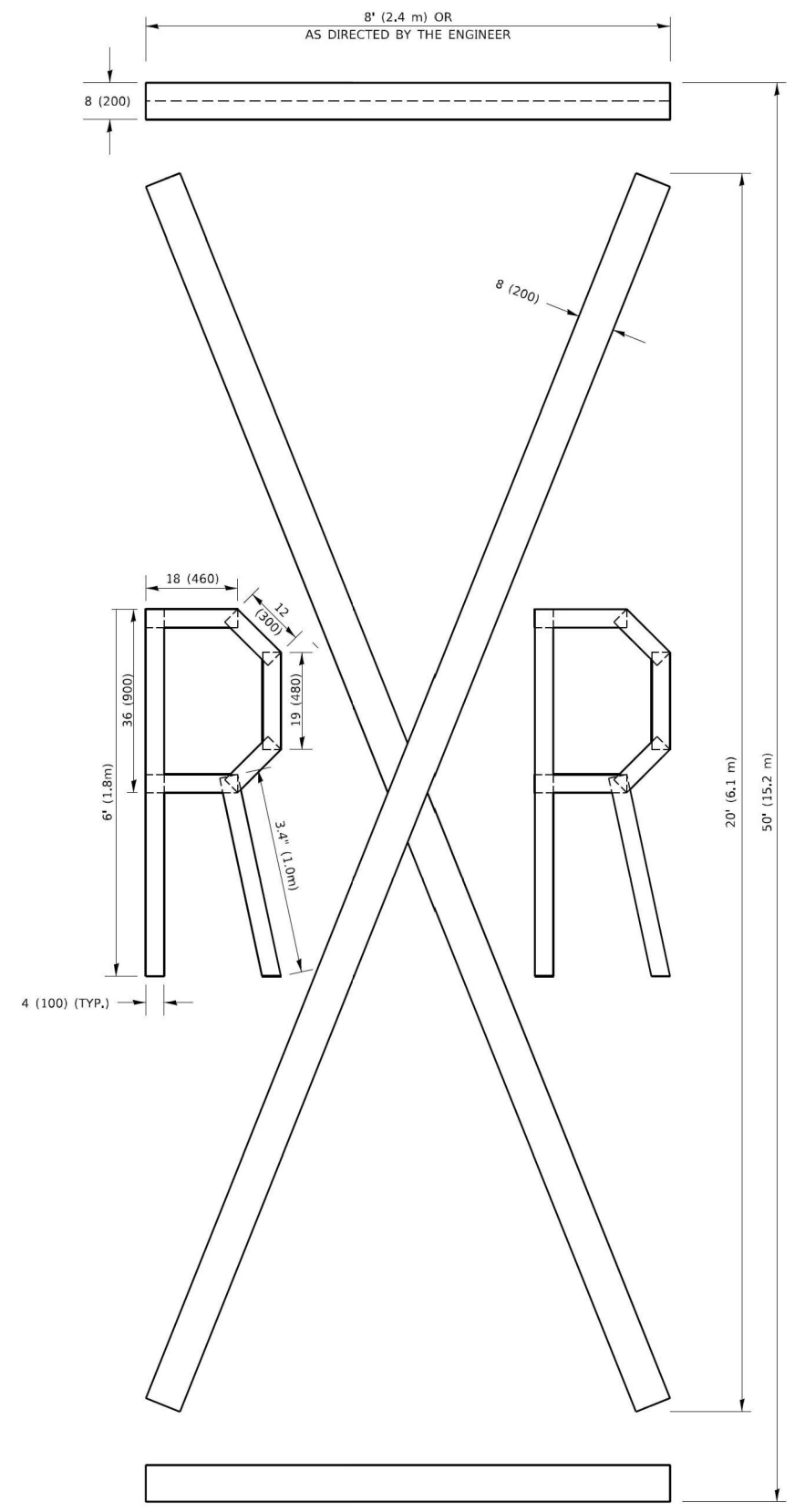


QUANTITY

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: D:\draft...
FILE NAME: P:\110848\BIDD\NTECE\Illinois.gov\RWIDOT\Documents\DOT_Offices\District 1\Projects\DUHS\22-24\CADD\Drawings\CAD\sheet116.dgn

USER NAME = footem]	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 1 / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

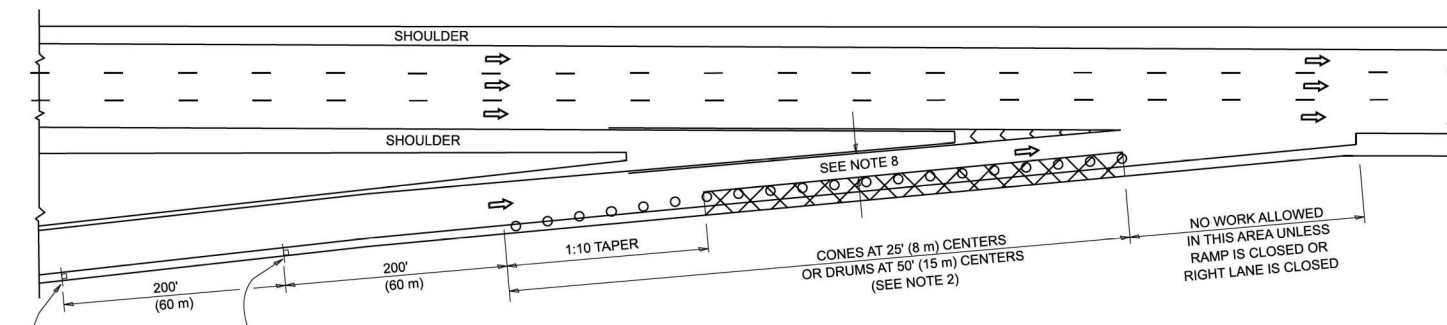
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

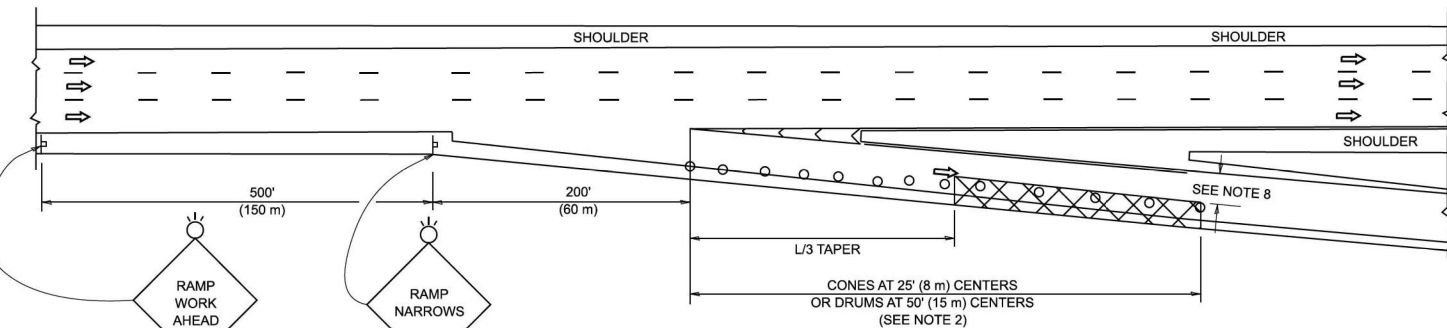
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	38
TC-16		CONTRACT NO. 80C48		
ILLINOIS FED. AID PROJECT				

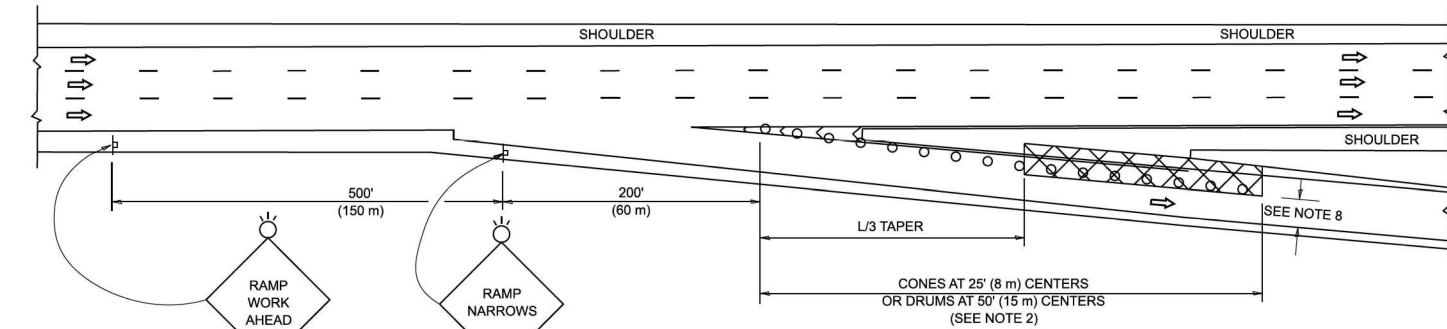
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

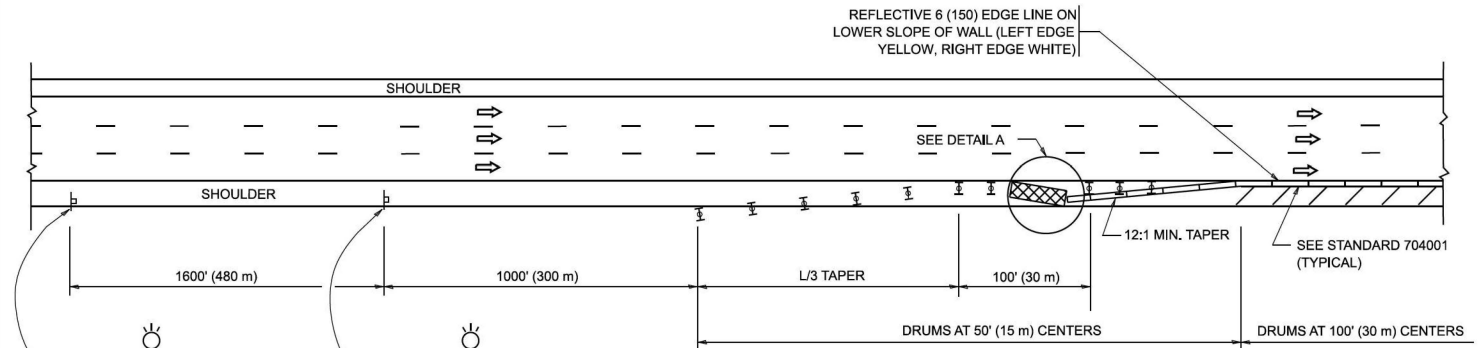
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

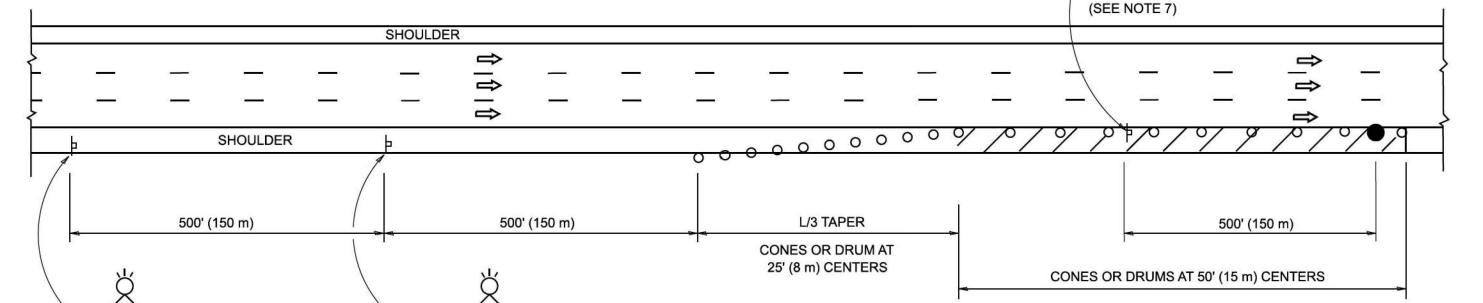
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
9. TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

MODEL: TC-17 (Sheet)
FILE NAME: c:\p\work\lawrence.demanche\illinois\0951415\TC-17.dgn

USER NAME = lawrence.demanche	DESIGNED -	REVISED - M.D. 06-13
	DRAWN - D.W.S.	REVISED - M.D. 01-18
PLOT SCALE = 0.08333317' / in.	CHECKED -	REVISED - M.D. 10-20
PLOT DATE = 10/2/2025	DATE - 11-96	REVISED - D.S. 05-25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	39
TC-17			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				

MODEL: Plan Single (Sheet)
 FILE NAME: Z:\DOT\CAD_ORD Folder Master\Master Files\DOT\CAD_CONNECT\Configuration\Organization\Chil\DOT_Standards\Drawings\Sheet Standards\Civil_Named_Boundary_Sheet\SheetStandards.dgn

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

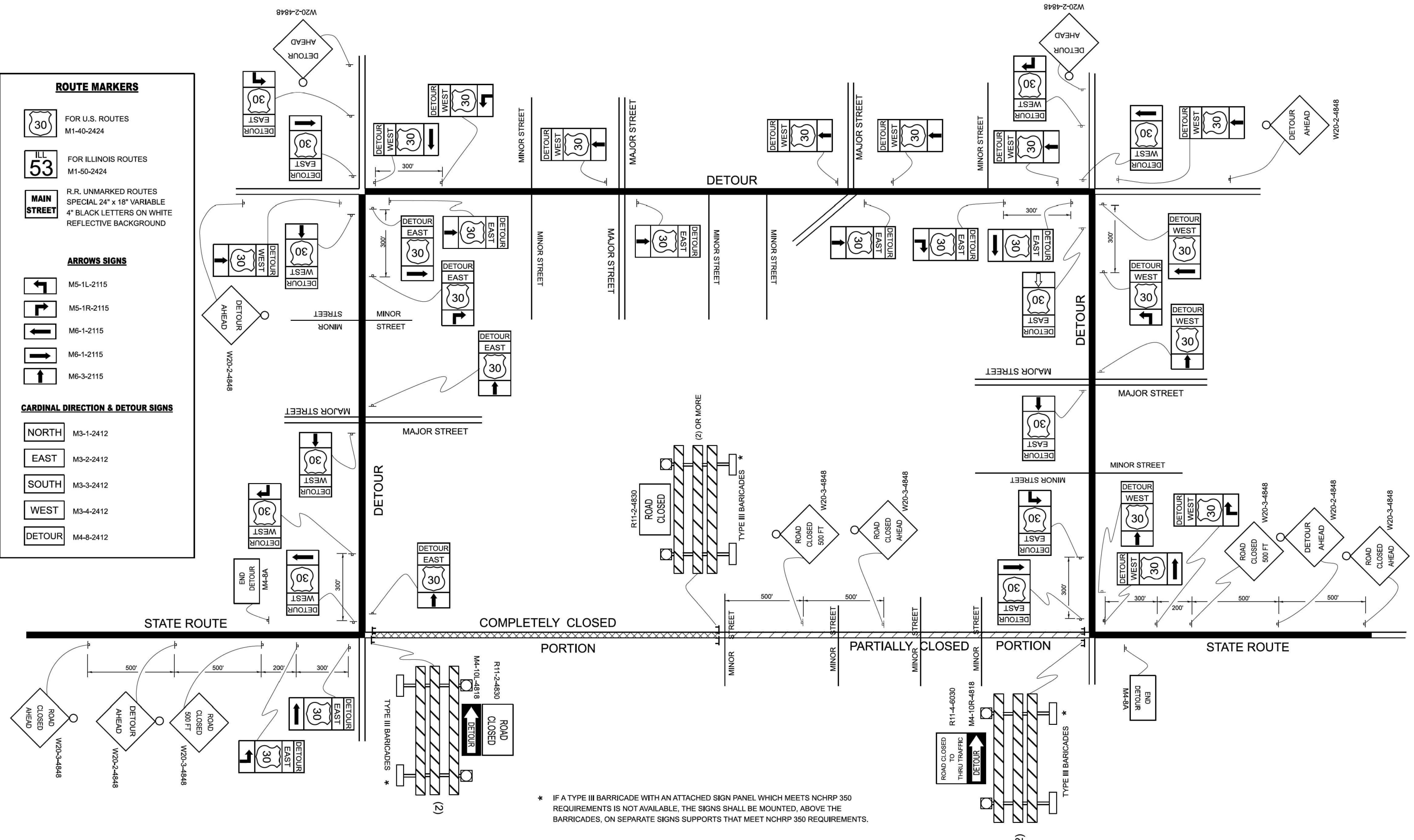
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

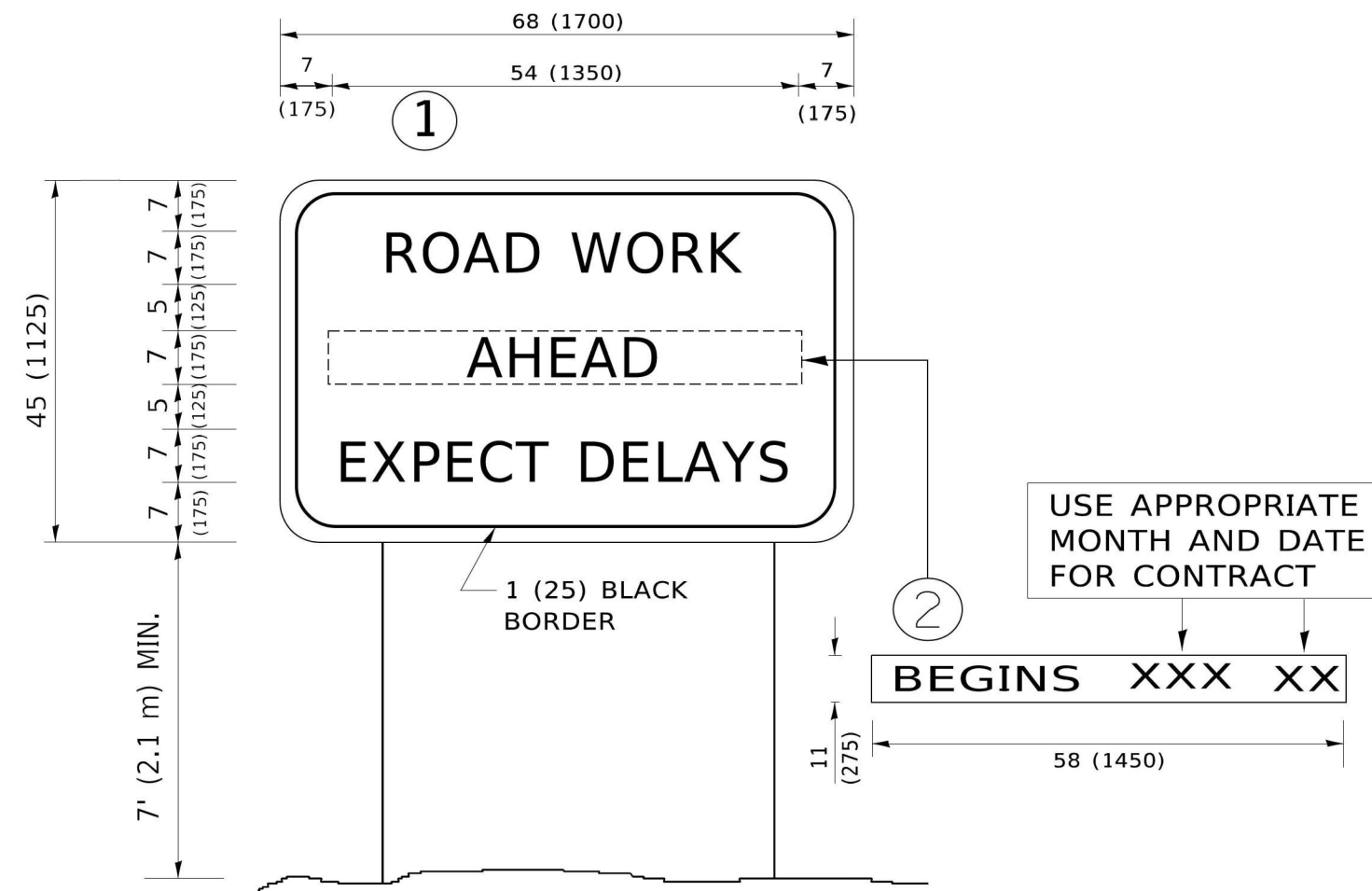
USER NAME = brad.gagliano	DESIGNED -	REVISED - 10-18-02
PLOT SCALE = 0.08333317" / in.	DRAWN -	REVISED - R.BORO 09-14-09
PLOT DATE = 8/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
 FOR CLOSING STATE HIGHWAYS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	40
TC-21		CONTRACT NO. 80C48		
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.

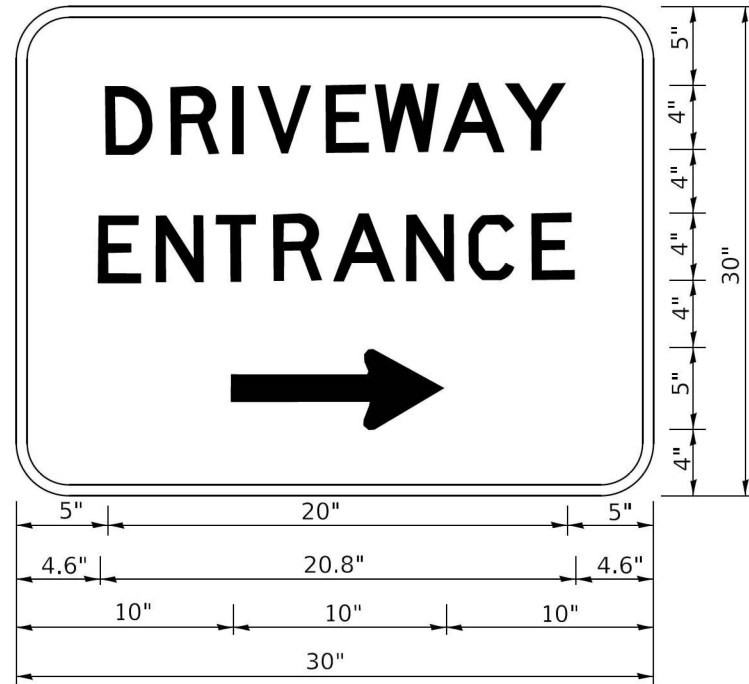
MODEL: D:\draft FILE NAME: p:\1104848\BID\INTEG Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DH\5422\23\CADD\BaiCAD\Sheet1C22.dgn

USER NAME = footem]	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 * / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
371	2025-2105-RS	LAKE	42	41
TC-22		CONTRACT NO. 80C48		
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: D:\default...
 FILE NAME: p:\p\planroom\dot\illinois.gov\p\w\DOT\Documents\DOT_offices\081rft\1\projects\10151022\31\CAD\Drawn\CAD\sheet126.dgn

USER NAME = lveysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	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.
371	2025-2105-RS	LAKE	42	42
TC-26			CONTRACT NO. 80C48	
ILLINOIS FED. AID PROJECT				