

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	1
		CONTRACT NO. 61H40		

01-21-2022 LETTING ITEM 151

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP ROUTE 360 (FARNSWORTH AVE) OVER INDIAN CREEK
BRIDGE REPLACEMENT
SECTION NO. 18-00324-00-BR
PROJECT NO. A7FQ(657)
CITY OF AURORA
KANE COUNTY
C-91-222-18

D-91-305-18

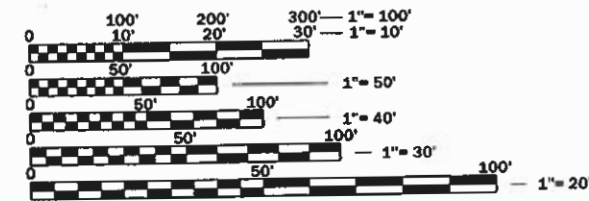


FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION:

FARNSWORTH AVENUE
FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL
ADT (2014) = 23,500
ADT (2050) = 29,200
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

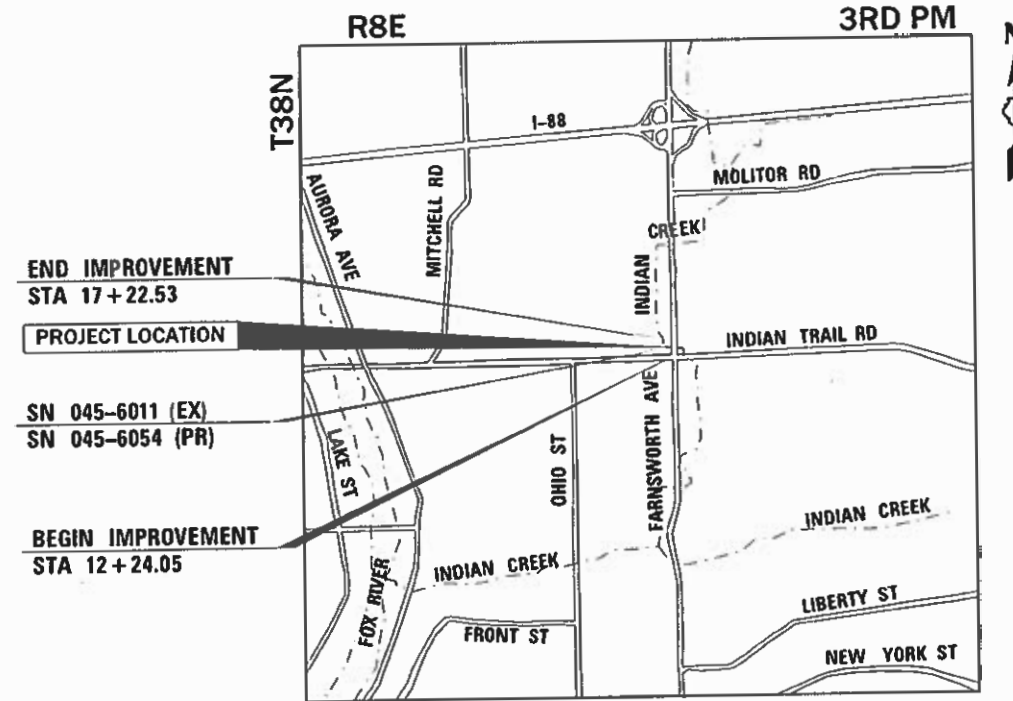


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: ERIC DEAN, P.E.
PROJECT MANAGER: KURT NAUS, P.E., S.E.

CONTRACT NO. 61H40



LOCATION MAP

GROSS LENGTH = 498.48 FT. = 0.094 MILE
NET LENGTH = 498.48 FT. = 0.094 MILE



DATE SIGNED: 10-29-2021
SIGNATURE: *Eric J. Dean*
SHEETS: 1-22, 25-27 & 101-124
LICENSE EXPIRES 11-30-2021



DATE SIGNED: 10-29-2021
SIGNATURE: *Kurt J. Naus*
SHEETS: 23, 24 & 68-100
LICENSE EXPIRES 11-30-2022

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved: *October 29, 2021*
James D. Woods
City of Aurora, Engineering Coordinator

Passed: *NOV. 9, 2021*
C.T. Pridemore
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: *NOVEMBER 10, 2021*
Jose Luis Lopez
Regional Engineer

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IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
28001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALK
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALK
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
515001-03	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604046-03	FRAME AND GREATER TYPE 10
604051-04	FRAME AND GRATE TYPE 11
604056-04	FRAME AND GRATE TYPE 11V
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630116	BACK SIDE PROTECTION OF GUARDRAIL
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 m) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE 2W WITH BIDIRECTIONAL LEFT TURN LANE
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
812001-01	RACEWAY EMBEDDED IN STRUCTURE
BLR 23-4	TRAFFIC BARRIER TERMINAL TYPE 1

IDOT DISTRICT 1 STANDARDS

BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15'
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BE-300	LIGHT POLE FOUNDATION 30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE
BE-403	ALUMINUM LIGHT POLE 30'-0" (9.144 m) MOUNTING HEIGHT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTERANCE SIGNING
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

CITY OF AURORA STANDARDS

III-A-1	SEWER TRENCH DETAIL PAVED & UNPAVED
III-A-3	STORM MANHOLE, TYPE A DETAIL
III-A-4	CATCH BASIN TYPE B
III-A-5	STORM INLET, TYPE A DETAIL
III-C-5	TYPICAL VALVE & BOX
III-C-7	HYDRANT INSTALLATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND LIST OF STANDARDS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	2
CONTRACT NO. 61H40			ILLINOIS FED. AID PROJECT	

USER NAME = ndauer	DESIGNED - EJD	REVISED -
	DRAWN - NPD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - PJO	REVISED -
PLOT DATE = 12/6/2021	DATE - 11/03/2021	REVISED -

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,"ADOPTED JANUARY 1, 2022 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS,"ADOPTED JANUARY 1, 2022, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND REVISIONS THERETO, THE CODES AND ORDINANCES OF THE CITY OF AURORA, ILLINOIS, THE DETAILS IN THE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

NO SUBSTITUTIONS OR VARIANCES WILL BE PERMITTED TO ANY STANDARD NOTES OR ORDINANCES UNLESS APPROVED OTHERWISE IN WRITING PRIOR TO COMMENCING CONSTRUCTION ACTIVITY.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE PLANS.

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION. SEE ADDITIONAL NOTES ON CONSTRUCTION PERMIT REQUIREMENTS FOR USACE AND IDNR IN THESE PLANS AND IN THE SPECIAL PROVISIONS FOR COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK).

THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE CITY OF AURORA. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. ADDITIONALLY, THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES / OFFICE OF WATER RESOURCES (INDR/OWR) ALSO NEEDS TO APPROVE THE IN-STREAM WORK PLAN UNDER THE REGULATIONS FOUND IN PART 3708 - FLOODWAY CONSTRUCTION IN NORTHEASTERN ILLINOIS, WHICH CAN BE FOUND ON THE IDNR/OWR WEBSITE. SEE SPECIAL PROVISION FOR COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK).

THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

TIM WEIDNER, P.E., ENGINEERING COORDINATOR
CITY OF AURORA
(630) 256-3202

UTILITES

THE CONTRACTOR SHALL COOPERATE WITH THE OWNER IF ANY UTILITY IMPROVEMENTS ARE REQUIRED WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, THE OWNER'S AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE FRONT OF CURB, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT THE POINTS OF CURVE, ETC., ARE TOP OF CURB UNLESS OTHERWISE NOTED.

DRAINAGE STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS:

- A) STRUCTURES FALLING IN THE CURB LINE ARE MEASURED TO THE CENTER OF STRUCTURE
- B) ALL OTHER STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, ETC., ARE FROM THE PROPOSED CENTERLINE AS SHOWN ON THE PLANS.

SEWER AND WATER MAINS

WATER MAIN SHALL HAVE A MINIMUM COVER OF 5 ½ FEET FROM TOP OF MAIN. ANY WATER MAIN WITH LESS COVER SHALL BE PROTECTED BY WATER MAIN INSULATION AS SPECIFIED IN PLANS AND SPECIAL PROVISIONS.

MISCELLANEOUS

THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH ADJACENT PROJECTS UNDER SEPARATE CONTRACTS.

THE THICKNESS OF ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE ASPHALT MIXTURES ARE TO BE PLACED.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB, PCC SIDEWALK, PCC DRIVEWAY PAVEMENT, CONCRETE BRIDGE ITEMS, AND AS DIRECTED BY THE ENGINEER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

THE NEED FOR REMOVAL OF UNSTABLE SOILS AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT. IN UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED FROM THE CONTRACT WITH NO ADDITIONAL COMPENSATION PAID TO THE CONTRACTOR. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED AT ALL LOCATIONS REQUIRING REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND AGGREGATE SUBGRADE IMPROVEMENT AS APPROVED BY THE ENGINEER.

THE ENGINEER AND CITY ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

DRIVEWAY PAVEMENT REMOVAL SHALL INCLUDE REMOVAL OF ALL EXISTING PAVEMENT WHETHER ASPHALT OR CONCRETE TO THE DEPTH REQUIRED FOR INSTALLATION OF THE NEW DRIVEWAY.

DETECTABLE WARNINGS SHALL BE BRICK RED IN COLOR.

PRIOR TO SUBMITTING THEIR BID, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT THEY DEEM INADEQUATE AND TO ANY ITEM OF WORK OMITTED.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY REQUIRED INSPECTIONS WITH THE CITY OF AURORA, KANE COUNTY, AND OTHER AGENCIES.

BEFORE ACCEPTANCE BY THE ENGINEER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE ENGINEER. FINAL PAYMENT SHALL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.

THE CONTRACTOR OF THIS PROJECT SHALL COOPERATE WITH THE CONTRACTOR OF THE INDIAN TRAIL RESURFACING PROJECT (SECTION 21-00337-00-RS). THAT PROJECT IS SCHEDULED TO BE ON THE JANUARY 2022 LETTING, AND THE TRAFFIC CONTROL SIGNAGE MAY OVERLAP BETWEEN THE PROJECTS.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

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	USER NAME = ndauer	DESIGNED - EJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - NPD	REVISED -					360	18-00324-00-BR	KANE	124	3
	PLOT SCALE = \$\$SCALE\$	CHECKED - PJO	REVISED -					CONTRACT NO. 61H40				
	PLOT DATE = 11/3/2021	DATE - 11/03/2021	REVISED -					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA. 12+24.05

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
Δ		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	15	15			
Δ		20101100	TREE TRUNK PROTECTION	EACH	2	2			
		20200100	EARTH EXCAVATION	CU YD	860	860			
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	150	150			
		20800150	TRENCH BACKFILL	CU YD	169	169			
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	404	404			
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	56	56			
Δ		25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25			
Δ		25000320	SEEDING, CLASS 5	ACRE	0.25	0.25			
Δ		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	22	22			
Δ		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	22	22			
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25			
		28000400	PERIMETER EROSION BARRIER	FOOT	614	614			
		28000510	INLET FILTERS	EACH	16	16			
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	1,041	1,041			
		28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	161	161			

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PLOT SCALE = SCALES	DRAWN - NPD	REVISED -
PLOT DATE = 11/03/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: NONE SHEET 1 OF 11 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 4
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
		28100107	STONE RIPRAP, CLASS A4	SQ YD	536		536		
		28200200	FILTER FABRIC	SQ YD	536		536		
	*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	135	135			
	*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2,838	2,838			
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	461	461			
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	298	298			
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	38	38			
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,794	1,794			
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	62	62			
		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	291	291			
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	75	75			
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,123	2,123			
		42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	329	329			
		42400800	DETECTABLE WARNINGS	SQ FT	115	115			
		44000100	PAVEMENT REMOVAL	SQ YD	3,305	3,305			
		44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	800	800			

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USER NAME = ndauer	DESIGNED - EJD	REVISED -
PLOT SCALE = SSCALES	DRAWN - NPD	REVISED -
PLOT DATE = 11/3/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: NONE	SHEET 2 OF 11 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 6
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61H40				

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	71	71			
		44000300	CURB REMOVAL	FOOT	175	175			
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	976	976			
		44000600	SIDEWALK REMOVAL	SQ FT	4,268	4,268			
		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
		50200100	STRUCTURE EXCAVATION	CU YD	465	65	400		
		50300100	FLOOR DRAINS	EACH	6		6		
		50300225	CONCRETE STRUCTURES	CU YD	122.4		122.4		
	*	50300255	CONCRETE SUPERSTRUCTURE	CU YD	78.0		78.0		
		50300260	BRIDGE DECK GROOVING	SQ YD	682		682		
		50300280	CONCRETE ENCASEMENT	CU YD	7.7		7.7		
		50300300	PROTECTIVE COAT	SQ YD	975		975		
		50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	176.5		176.5		
		50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	4,415		4,415		
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	98,990		98,990		
		50800515	BAR SPLICERS	EACH	304		304		

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	USER NAME = ndauer	DESIGNED - EJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: NONE SHEET 3 OF 11 SHEETS STA. 12+24.05 TO STA. 17+22.53			F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 6
	PLOT SCALE = SCALES	CHECKED - PJO	REVISED -					ILLINOIS FED. AID PROJECT				
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SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
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						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
Δ		50901750	PARAPET RAILING	FOOT	88		88		
		51201600	FURNISHING STEEL PILES HP12X53	FOOT	1,100		1,100		
		51202305	DRIVING PILES	FOOT	1,100		1,100		
		51203600	TEST PILE STEEL HP12X53	EACH	2		2		
		51204650	PILE SHOES	EACH	22		22		
		51500100	NAME PLATES	EACH	1		1		
		52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	990		990		
	*	54261218	CONCRETE END SECTION, STANDARD 542001, 18", 1:2	EACH	1	1			
	*	54261230	CONCRETE END SECTION, STANDARD 542001, 30", 1:2	EACH	1	1			
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	249	249			
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	47	47			
		550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	57	57			
		55100500	STORM SEWER REMOVAL 12"	FOOT	115	115			
		55100900	STORM SEWER REMOVAL 18"	FOOT	55	55			
		55101400	STORM SEWER REMOVAL 30"	FOOT	63	63			
Δ	*	56400800	FIRE HYDRANT AND VALVE TO BE MOVED	EACH	2	2			

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USER NAME = ndauer	DESIGNED - EJD	REVISED -
PLOT SCALE = SSCALES	DRAWN - NPD	REVISED -
PLOT DATE = 11/3/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: NONE	SHEET 4 OF 11 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H40	

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
		58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	181		181		
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	92		92		
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4		4		
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	623	623			
		60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	229		229		
		60146305	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4"	FOOT	40		40		
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	5	5			
		60255500	MANHOLES TO BE ADJUSTED	EACH	8	8			
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	3	3			
		60500040	REMOVING MANHOLES	EACH	2	2			
		60500060	REMOVING INLETS	EACH	4	4			
		60600605	CONCRETE CURB, TYPE B	FOOT	185	185			
	*	60603100	CONCRETE GUTTER TRANSITION	FOOT	10	10			
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	974	974			

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PLOT DATE = 11/3/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 6 OF 11 SHEETS	STA. 12+24.05	TO STA. 17+22.53

F.A.P RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 8
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
Δ		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1			
Δ		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1			
Δ		64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1			
Δ	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	577	577			
Δ	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8			
Δ	*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
Δ	*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1			
Δ	*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	60	60			
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5			
		67100100	MOBILIZATION	L SUM	1	1			
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12			
		70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE	SQ FT	188	188			
		70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	13,815	13,815			
		70306140	TEMPORARY PAVEMENT MARKING - LINE 8" - TYPE III TAPE	FOOT	326	326			
		70306160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE III TAPE	FOOT	187	187			
		70306210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE III TAPE	FOOT	166	166			

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	PLOT DATE = 11/8/2021	CHECKED - PJO	REVISED -					CONTRACT NO. 61H40				
	DATE - 11/03/2021	DATE - 11/03/2021	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: NONE			SHEET 6 OF 11 SHEETS			STA. 12+24.05 TO STA. 17+22.53		


SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0010 URBAN	SAFTEY 0021 URBAN	TRAINEES 0042 URBAN
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	399	399			
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	742	742			
		70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
		70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
Δ		72000100	SIGN PANEL - TYPE 1	SQ FT	7	7			
Δ		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
Δ		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	7	7			
Δ		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
Δ		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	119	119			
Δ		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5,597	5,597			
Δ		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	755	755			
Δ		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	482	482			
Δ		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	82	82			
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4,600	4,600			
Δ		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	144			144	
Δ	*	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	816			816	

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	PLOT SCALE = SSCALES	CHECKED - PJO	REVISED -					CONTRACT NO. 61H40					
	PLOT DATE = 11/03/2021	DATE - 11/03/2021	REVISED -		SCALE: NONE			SHEET 7 OF 11 SHEETS			STA. 12+24.05 TO STA. 17+22.53		
	ILLINOIS FED. AID PROJECT												

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0010 URBAN	SAFTEY 0021 URBAN	TRAINEES 0042 URBAN
Δ		81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	91			91	
Δ		81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	170			170	
Δ		81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2			2	
Δ	*	81400100	HANDHOLE	EACH	2			2	
Δ	*	81400200	HEAVY-DUTY HANDHOLE	EACH	1			1	
Δ	*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3,025			3,025	
Δ	*	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4			4	
Δ		83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	4			4	
Δ		83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	27			27	
Δ		83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	3			3	
Δ		84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3			3	
Δ		84200804	REMOVAL OF POLE FOUNDATION	EACH	6	3		3	
Δ	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1	
Δ		86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1	
Δ	*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,096			1,096	
Δ		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,085			1,085	

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		DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: NONE	SHEET 8 OF 11 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 11
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61H40

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
Δ		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,373			1,373	
Δ		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	535			535	
Δ		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,758			1,758	
Δ		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,716			1,716	
Δ		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,121			1,121	
Δ	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1			1	
Δ	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4			4	
Δ		87900200	DRILL EXISTING HANDHOLE	EACH	4			4	
Δ	*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2			2	
Δ	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2	
Δ	*	88600100	DETECTOR LOOP, TYPE I	FOOT	425			425	
Δ	*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	2			2.00	
Δ	*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1	
Δ	*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,135			1,135	
Δ	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1	
Δ	*	89502380	REMOVE EXISTING HANDHOLE	EACH	3			3	

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PLOT DATE = 11/03/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 9 OF 11 SHEETS		STA. 12+24.05 TO STA. 17+22.53	
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F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 12
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0010 URBAN	SAFTEY 0021 URBAN	TRAINEES 0042 URBAN
Δ	*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1			1	
	*	X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	380	380			
Δ	*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	543			543	
	*	X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2		2		
Δ	*	X1400313	SYSTEMS INTEGRATION	L SUM	1			1	
	*	X1700034	FORM LINER TEXTURED SURFACE, SPECIAL	SQ FT	748	228	520		
Δ	*	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.25	0.25			
Δ	*	X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	112	112			
Δ	*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	1,040	1,040			
	*	X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	684	684			
	*	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	391		391		
Δ	*	X5091725	BICYCLE RAILING, SPECIAL	FOOT	88		88		
Δ	*	X5091755	PARAPET RAILING, SPECIAL	FOOT	145	57	88		
	*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1			
	*	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	2	2			
	*	X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	62	62			

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	PLOT SCALE = SCALES	CHECKED - PJO	REVISED -					CONTRACT NO. 61H40			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 11/03/2021	DATE - 11/03/2021	REVISED -									

SPECIALTY ITEM	SP	ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
						ROADWAY	BRIDGE	SAFTEY	TRAINEES
						0004	0010	0021	0042
						URBAN	URBAN	URBAN	URBAN
	*	X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	30	30			
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
Δ	*	X8100863	INTERCEPT EXISTING CONDUIT	EACH	3			3	
Δ	*	X8710200	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM36F	FOOT	1,096			1,096	
Δ	*	X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	1			1	
Δ	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4			4	
	*	XX008824	CATCH BASINS, SPECIAL	EACH	6	6			
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	526	526			
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	200	200			
Δ	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	7			7	
Δ	*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1			1	
Δ	*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1	
	*	Z0076600	TRAINEES	HOUR	1,000				1,000
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000				1,000

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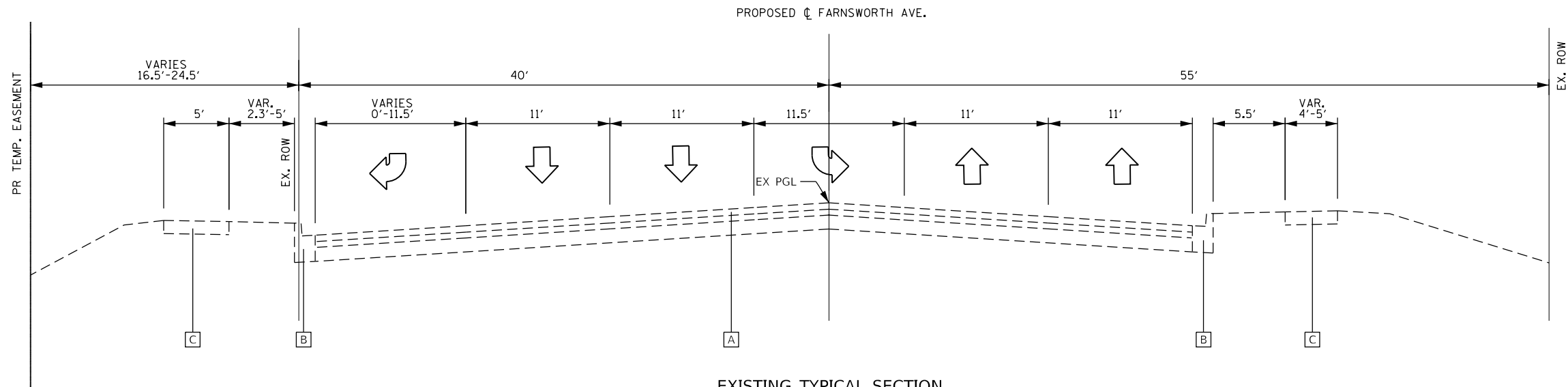


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PLOT DATE = 11/03/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE: NONE	SHEET 11 OF 11 SHEETS STA. 12+24.05 TO STA. 17+22.53

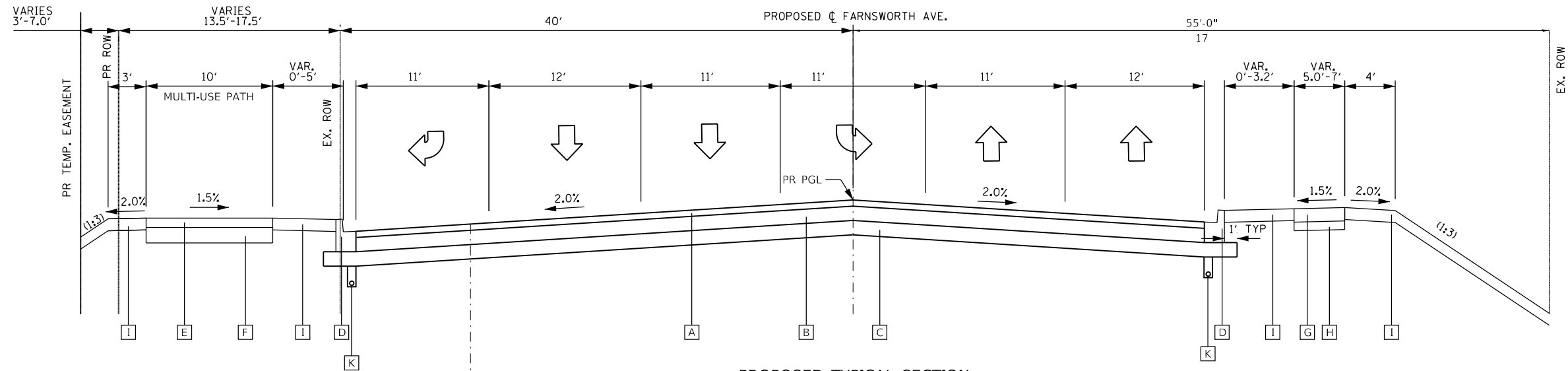
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	14
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 12+46.46 TO STA. 14+17.46

EXISTING TYPICAL LEGEND

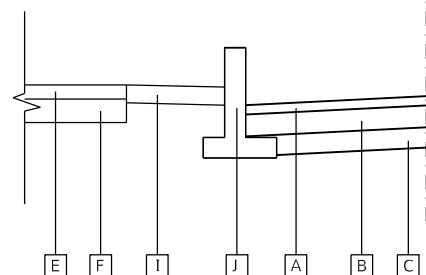
- A HOT-MIX ASPHALT, PAVEMENT, 14.5"
- B CONCRETE CURB AND GUTTER
- C CONCRETE SIDEWALK



PROPOSED TYPICAL SECTION
STA. 12+54.93 TO STA. 14+09.04

PROPOSED TYPICAL LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70
- B HOT-MIX ASPHALT BINDER COURSE, IL-19, N70"
- C AGGREGATE SUBGRADE IMPROVEMENT 12"
- D COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- E HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50
- F AGGREGATE BASE COURSE, TYPE B, 6"
- G PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- H AGGREGATE BASE COURSE, TYPE B, 4"
- I CLASS 2A SEEDING, TOPSOIL FURNISH AND PLACE 4"
- J CONCRETE BARRIER WALL (SPECIAL)
- K PIPE UNDERDRAINS, TYPE 2, 4"



PROPOSED TYPICAL SECTION
STA. 13+66.92 TO STA. 14+08.92

NOTE:
THE PAY ITEM: "BRIDGE CONNECTOR (HMA) FOR BRIDGE APPROACH PAVEMENT" IS NOT INCLUDED IN THIS CONTRACT. HIGHWAY STANDARD 420406 IS REFERENCED IN THIS CONTRACT TO DETAIL THE ROADWAY PAVEMENT DEPTH TRANSITION FROM 13.5" TO 15" OVER A LENGTH OF 7". NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE THICKENED PAVEMENT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	THICKNESS	AIR VOIDS @ Ndes	QMP
PAVEMENT RECONSTRUCTION (13.5")			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	1.5"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	12"	4% @ 70 Gyr.	LR 1030-2
MULTIUSE PATH (3")			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	3" (IN 2 LIFTS)	4% @ 50 Gyr.	LR 1030-2
DRIVEWAY (6.5")			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	1.5"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	5"	4% @ 50 Gyr.	LR 1030-2

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

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

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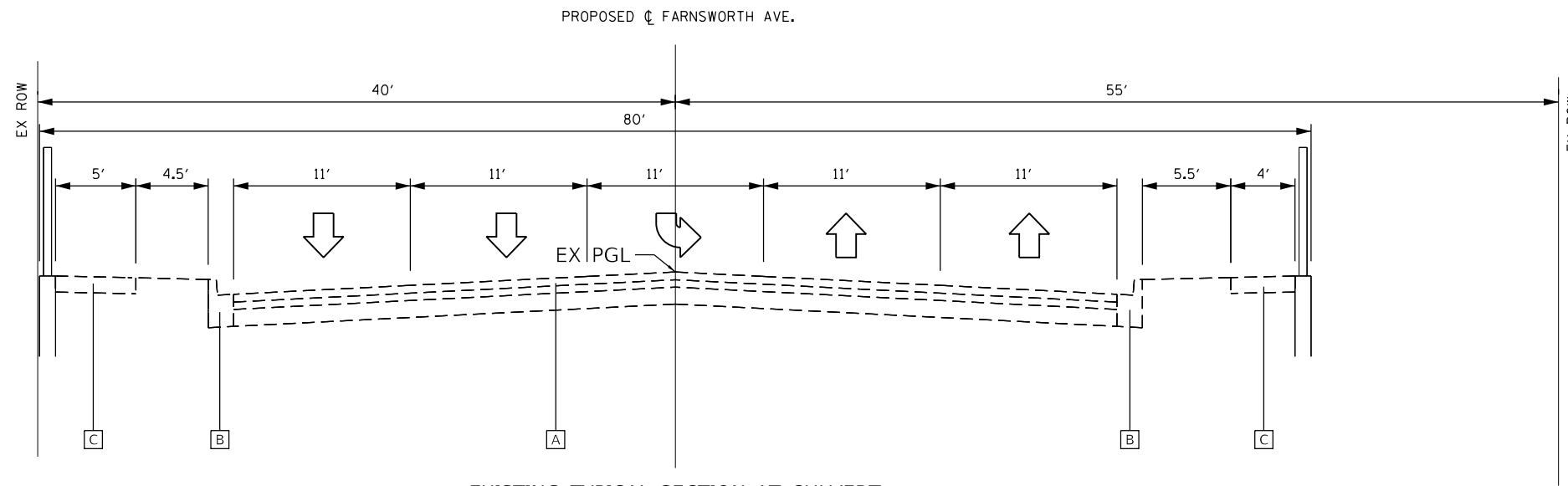
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PLOT DATE = 11/19/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE SHEET 1 OF 3 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	15
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION AT CULVERT

EXISTING TYPICAL LEGEND

- A HOT-MIX ASPHALT PAVEMENT, 14.5"
- B COMBINATION CURB AND GUTTER
- C CONCRETE SIDEWALK

PROPOSED TYPICAL LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70
- B HOT-MIX ASPHALT BINDER COURSE, IL-19, N70"
- C AGGREGATE SUBGRADE IMPROVEMENT 12"
- D COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- E HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50
- F AGGREGATE BASE COURSE, TYPE B, 6"
- G PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- H AGGREGATE BASE COURSE, TYPE B, 4"
- I CLASS 2A SEEDING, TOPSOIL FURNISH AND PLACE 4"
- J CONCRETE BARRIER WALL (SPECIAL)
- K PIPE UNDERDRAINS, TYPE 2, 4"

BRIDGE OMISSION

STA. 14+09.04 TO STA. 14+99.20

SEE BRIDGE PLANS FOR PROPOSED TYPICAL SECTION OF BRIDGE DECK AND BRIDGE APPROACH PAVEMENTS

MODEL: Default
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USER NAME = ndauer	DESIGNED - EJD	REVISED -
DRAWN - NPD	REVISIONS -	
PLOT SCALE = \$SCALE\$	CHECKED - PJO	REVISED -
PLOT DATE = 11/3/2021	DATE - 11/03/2021	REVISED -

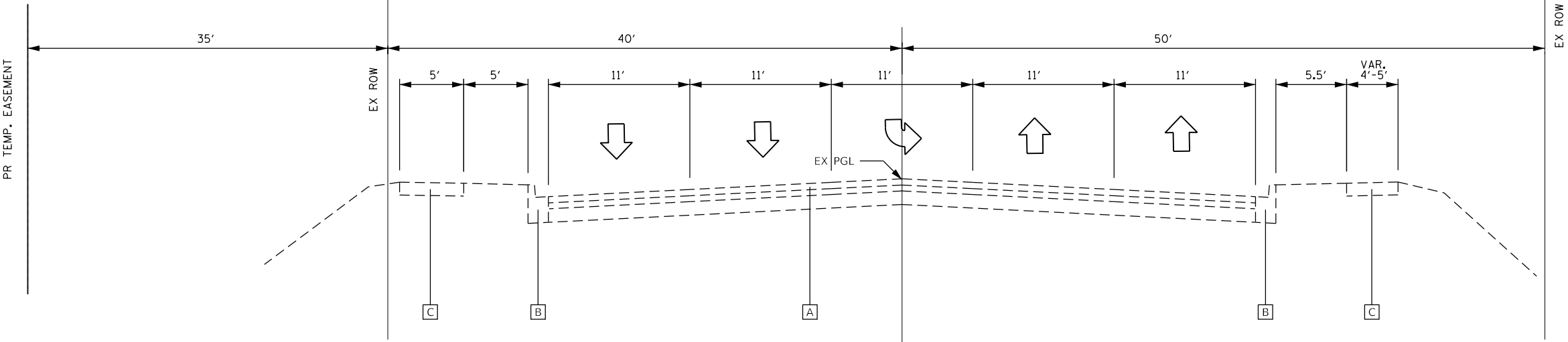
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET 2 OF 3 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	16
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

PROPOSED CL FARNSWORTH AVE.

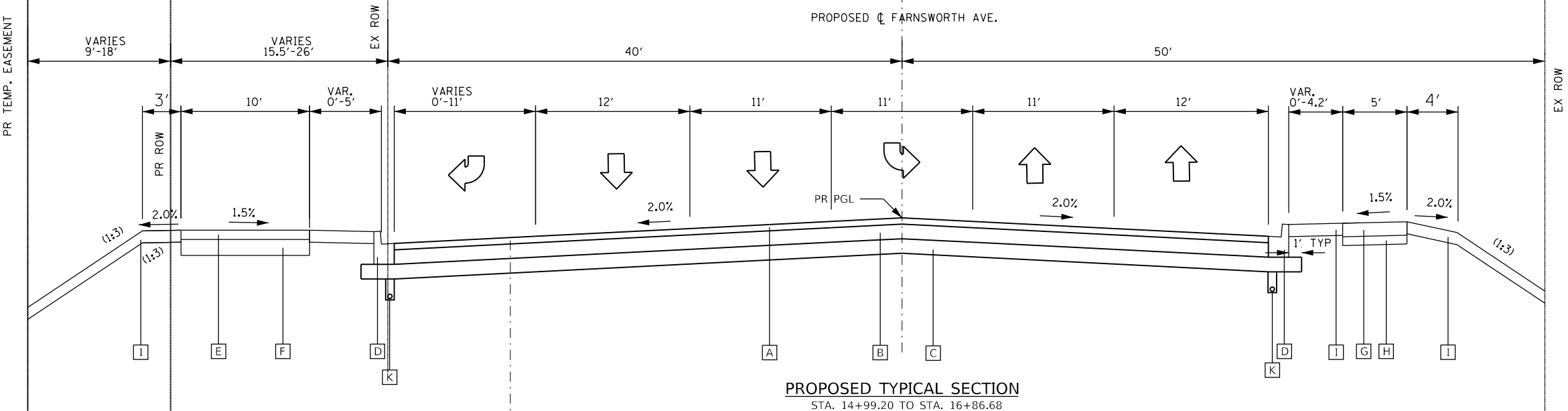


EXISTING TYPICAL CULVERT SECTION
STA. 14+90.00 TO STA. 16+82.88

EXISTING TYPICAL LEGEND

- A HOT-MIX ASPHALT PAVEMENT, 14.5"
- B CONCRETE CURB AND GUTTER
- C CONCRETE SIDEWALK

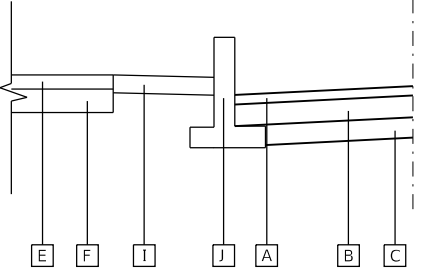
PROPOSED CL FARNSWORTH AVE.



PROPOSED TYPICAL SECTION
STA. 14+99.20 TO STA. 16+86.68

PROPOSED TYPICAL LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70
- B HOT-MIX ASPHALT BINDER COURSE, IL-19, N70"
- C AGGREGATE SUBGRADE IMPROVEMENT 12"
- D COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- E HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50
- F AGGREGATE BASE COURSE, TYPE B, 6"
- G PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- H AGGREGATE BASE COURSE, TYPE B, 4"
- I CLASS 2A SEEDING, TOPSOIL FURNISH AND PLACE 4"
- J CONCRETE BARRIER WALL (SPECIAL)
- K PIPE UNDERDRAINS, TYPE 2, 4"



PROPOSED TYPICAL SECTION
STA. 14+99.20 TO STA. 15+41.00

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USER NAME = ndauer	DESIGNED - EJD	REVISED -
DRAWN - NPD	REVISIONS	
CHECKED - PJO	REVISIONS	
DATE - 11/03/2021	REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: NONE	SHEET 3 OF 3 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	17
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE

LOCATION				44000200	44000100	44000155	44000300	44000500	44000600	60500040	60500060	55100500	55100900	55101400	84200804
ROAD				(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(SQ FT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(EACH)
FARNSWORTH AVE	12+24.11	17+27.53	N/A		2920	800		976			2	4	115	55	63
WEST PARKING LOT	14+88.84	16+77.97	LT	28	385		175								
EAST PARKING LOT	15+30.37	15+66.89	RT	43											
MULTI-USE PATH	12+46.41	16+86.75	LT						2027						3
SIDEWALK	12+70.83	16+86.75	RT						2241						
TOTAL				71	3305	800	175	976	4268	2	4	115	55	63	3*

PAVEMENT SCHEDULE

LOCATION				30300112	35101600	35101800	42300400	40603080	40603085	40604060	40604062
ROAD				(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)
FARNSWORTH AVE	12+24.11	16.84.74	N/A	2838				1794			291
WEST PARKING LOT	14+88.84	16+77.97	LT		165		56	31		10	
EAST PARKING LOT	15+30.37	15+66.89	RT		22		19	6		2	
MULTI-USE PATH	12+46.41	16+86.75	LT			298				50	
SIDEWALK	12+70.83	16+86.75	RT		274						
TOTAL				2838	461	298	75	38	1794	62	291

SIDEWALK AND CURB AND GUTTER SCHEDULE

LOCATION				42400200	42400410	42400800	60603800	60600605	60603100
ROAD				(SQ FT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)
FARNSWORTH AVE	12+24.11	16.84.74	N/A				974		10
WEST PARKING LOT	14+88.84	16+77.97	LT					169	
EAST PARKING LOT	15+30.37	15+66.89	RT		135			15	
MULTI-USE PATH	12+46.41	16+86.75	LT						
EAST SIDEWALK	12+70.83	16+86.75	RT	1774	194	81			
WEST SIDEWALK	12+50.00	12+83.00	LT	349		34			
TOTAL				2123	329	115	974	184	10

EROSION CONTROL SCHEDULE

LOCATION		28000400	28000250	28001100	28001200	X2800400	Z0013797
ROAD		(FOOT)	(POUND)	(SQ YD)	(SQ YD)	(FOOT)	(SQ YD)
FARNSWORTH AVE	NORTHWEST BANK	101	6.54	242	28	311	130
FARNSWORTH AVE	SOUTHWEST BANK	152	6.28	319	60	373	131
FARNSWORTH AVE	WEST BANK	66	1.49	72			
FARNSWORTH AVE	EAST BANK	36	0.83	40			
FARNSWORTH AVE	NORTHEAST BANK	134	3.16	174	26		132
FARNSWORTH AVE	SOUTHEAST BANK	125	6.51	193	47		133
TOTAL		614	25	1041	161	684	526

LANDSCAPING SCHEDULE

LOCATION		25000210	25000320	X2500214	X2510635	X2511630	25000400	25000600
ROAD		(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(POUND)	(POUND)
FARNSWORTH AVE	12+48.52	16+88.14	LT	0.13	0.01	0.01	63.89	631.62
FARNSWORTH AVE	12+81.18	16+85.32	RT	0.08	0.01	0.01	47.92	408.01
TOTAL		0.25	0.25	0.25	112	1040	22	22

TREE REMOVAL SCHEDULE

LOCATION				20100110
ROAD				(UNIT)
FARNSWORTH AVE	14+77.39	45.62	LT	9
FARNSWORTH AVE	14+22.23	60.00	LT	6
TOTAL				15

TREE TRUNK PROTECTION SCHEDULE

LOCATION				20101100
ROAD				(UNIT)
FARNSWORTH AVE	14+06.44	65.19	LT	1
FARNSWORTH AVE	14+09.4	66.34	LT	1
TOTAL				2

WATER MAIN APPURTENANCES SCHEDULE

LOCATION				5640800
ROAD				(EACH)
MULTI-USE PATH	13+04.08	43.74	LT	1
SIDEWALK	16+26.98	31.76	RT	1
TOTAL				2

TEMPORARY TRAFFIC CONTROL AND STAGING SCHEDULE

DESCRIPTION		70600260	70600330	70400100	70400200
STAGE		(EACH)	(EACH)	(FOOT)	(FOOT)
STAGE 1	05+81.13	20+97.46	2	399	
STAGE 1A	05+81.14	20+04.62			399
STAGE 2	05+81.15	20+04.63		2	343
TOTAL		2	2	399	742

INLET FILTER SCHEDULE

LOCATION					28000510
ROAD					(EACH)
FARNSWORTH AVE	EXIST INLET	12+48.12	89.97	LT	1
FARNSWORTH AVE	EXIST INLET	14+29.41	27.84	RT	1
FARNSWORTH AVE	EXIST INLET	14+30.90	29.28	LT	1
FARNSWORTH AVE	EXIST INLET	16+54.49	28.20	RT	1
FARNSWORTH AVE	EXIST INLET	16+61.33	28.73	LT	1
FARNSWORTH AVE	EXIST INLET	16+74.48	48.92	RT	1
FARNSWORTH AVE	EXIST INLET	16+81.52	48.89	RT	1
FARNSWORTH AVE	EXIST INLET	17+11.58	49.12	RT	1
FARNSWORTH AVE	PROP CB	13+85.92	27.74	RT	1
FARNSWORTH AVE	PROP CB	13+86.00	39.50	LT	1
FARNSWORTH AVE	PROP CB	15+24.03	27.37	RT	1
FARNSWORTH AVE	PROP CB	15+34.06	39.50	LT	1
FARNSWORTH AVE	PROP CB	16+54.82	27.60	RT	1
FARNSWORTH AVE	PROP CB	16+61.50	30.09	LT	1
FARNSWORTH AVE	PROP INLET	16+46.87	28.64	RT	1
FARNSWORTH AVE	PROP INLET	16+47.02	31.64	LT	1
TOTAL					16

PIPE UNDERDRAIN SCHEDULE

START STA	START OFF	END STA	END OFF	LENGTH	ITEM NUMBER	ITEM
12+56.00	58' LT	14+04.00	39' LT	155	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
12+76.00	38' RT	14+03.00	28' RT	130	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
15+00.00	40' LT	16+81.13	27' LT	183	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
15+00.00	28' RT	16+55.00	28' RT	155	60108204	PIPE UNDERDRAINS, TYPE 2, 4"
TOTAL				623		

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE	ALIGNMENT	STATION	OFFSET (FT)	RIM	INV. N	PIPE N	INV. E	PIPE E	INV. S	PIPE S	INV. W	PIPE W	STRUCTURE TYPE	FRAME AND GRATE	PAY ITEM NO.
S-11	FARNSWORTH AVE	13+85.95	12.37 RT	706.33	696.75	18"	701.78	12"	698.67	18"	701.37	12"	MANHOLE	F&L TYPE 1 CLOSED	60221100
S-12	FARNSWORTH AVE	13+85.93	29.00 RT	706.00	701.86	12"	-	-	-	-	701.86	12"	CB SPECIAL	F&G TYPE 11	XX008824
S-13	FARNSWORTH AVE	13+86.00	40.00 LT	705.78	701.64	12"	701.64	12"	-	-	-	-	CB SPECIAL	F&G TYPE 11	XX008824
S-14	FARNSWORTH AVE	14+04.00	40.00 LT	705.68	-	-	-	-	701.73	12"	-	-	INLET	F&G TYPE 11	60236800
S-15	FARNSWORTH AVE	14+04.00	29.00 RT	705.90	-	-	-	-	701.95	12"	-	-	INLET	F&G TYPE 11	60236800
S-16	FARNSWORTH AVE	14+29.14	12.24 RT	-	-	-	-	-	696.50	18"	-	-	FES	-	54261218
S-17	FARNSWORTH AVE	14+79.13	12.02 RT	-	696.00	30"	-	-	-	-	-	-	FES	-	54261227
S-18	FARNSWORTH AVE	15+24.06	40.00 LT	705.05	-	-	700.93	12"	-	-	-	-	CB SPECIAL	F&G TYPE 11	XX008824
S-19	FARNSWORTH AVE	15+24.16	12.86 RT	705.60	697.30	30"	701.07	12"	696.30	30"	700.66	12"	MANHOLE	F&L TYPE 1 CLOSED	60223800
S-20	FARNSWORTH AVE	15+34.07	29.00 RT	705.20	-	-	-	-	-	-	701.15	12"	CB SPECIAL	F&G TYPE 10	XX008824
S-21	FARNSWORTH AVE	15+46.59	29.00 RT	704.72	700.67	12"	-	-	-	-	-	-	INLET	F&G TYPE 11	60236800
S-22	FARNSWORTH AVE	15+32.14	32.48 LT	704.66	700.62	12"	-	-	-	-	-	-	INLET	F&G TYPE 11	60236800
S-23	FARNSWORTH AVE	15+54.77	29.00 RT	704.74	-	-	700.63	12"	700.63	12"	700.63	12"	CB SPECIAL	F&G TYPE 11	XX008824
S-24	FARNSWORTH AVE	15+42.14	31.67 LT	704.67	-	-	700.55	12"	700.55	12"	-	-	CB SPECIAL	F&G TYPE 11	XX008824
S-25	FARNSWORTH AVE	15+80.24	48.89 RT	704.37	699.87	12"	-	-	700.02	12"	-	-	INLET	F&G TYPE 11	60236800
S-26	FARNSWORTH AVE	15+56.13	15.00 RT	705.03	698.02	30"	700.57	12"	697.97	30"	700.32	12"	MANHOLE	F&L TYPE 1 CLOSED	60223800

NOTE: STATION, OFFSET, AND RIM ELEVATIONS ARE TO CENTER OF STRUCTURE.

STORM SEWER SCHEDULE

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE (%)	LENGTH	DIAMETER (IN)	TYPE	ITEM NUMBER	ITEM	TRENCH BACKFILL (CU YD)
P-11	S-11	S-16	696.75	696.50	0.58%	43	18	2	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	51.3
P-12	S-12	S-11	701.86	701.78	0.50%	16	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	2.4
P-13	S-13	S-11	701.64	701.37	0.51%	53	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	8.2
P-14	S-14	S-13	701.73	701.64	0.50%	18	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	4.0
P-15	S-15	S-12	701.06	701.86	0.50%	18	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	4.0
P-16	EXIST PIPE	S-11	MATCH EX	698.67	MATCH EX	4	18	2	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	2.0
P-17	EXIST PIPE	S-2	MATCH EX	697.30	MATCH EX	4	30	2	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	2.0
P-18	S-18	S-12	700.93	700.66	0.51%	53	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	9.3
P-19	S-19	S-17	696.3	696.00	0.67%	45	30	2	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	60.1
P-20	S-20	S-12	701.15	701.07	0.50%	16	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	2.4
P-21	S-21	S-23	700.67	700.63	0.50%	8	12	2	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	2.0
P-22	S-22	S-24	700.62	700.55	0.88%	8	12	2	550A0340	STORM SE	

EARTHWORK SCHEDULE OF QUANTITIES

STATION TO STATION		LENGTH (FT)	EARTH EXCAVATION	STRUCTURE EXCAVATION	UTILITY TRENCH SPOILS	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE*	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	ENVIRONMENTAL SOILS a(3)	ENVIRONMENTAL SOILS a(4)	ENVIRONMENTAL SOILS a(5)
		(FT)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)
Farnsworth Ave											
12+57.01	13+00.00	42.99	178.0	0.0	0.0	151.0	5.0	146.0	89.0	0.0	0.0
13+00.00	13+50.00	50.00	132.0	0.0	0.0	112.0	13.0	99.0	50.0	0.0	38.0
13+50.00	14+00.00	50.00	110.0	0.0	0.0	94.0	26.0	68.0	23.0	0.0	74.0
14+00.00	14+08.96	8.96	9.0	0.0	0.0	8.0	3.0	5.0	0.0	0.0	7.0
BRIDGE OMISSION				465.0		395.0		395.0	100.0		20.0
15+00.00	15+50.00	50.00	112.0	0.0	0.0	95.0	18.0	77.0	0.0	0.0	0.0
15+50.00	16+00.00	50.00	118.0	0.0	0.0	100.0	7.0	93.0	0.0	34.0	0.0
16+00.00	16+50.00	50.00	123.0	0.0	0.0	105.0	12.0	93.0	0.0	70.0	0.0
16+50.00	16+86.75	36.75	76.0	0.0	0.0	65.0	3.0	62.0	0.0	65.0	0.0
TOTAL			858.0	465.0	0.0	1125.0	87.0	1038.0	262.0	169.0	139.0

TOPSOIL SCHEDULE OF QUANTITIES

STATION TO STATION		LENGTH (FT)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)	ENVIRONMENTAL SOILS a(3) - TOPSOIL	ENVIRONMENTAL SOILS a(4) - TOPSOIL	ENVIRONMENTAL SOILS a(5) - TOPSOIL
		(FT)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)	(CUBIC YARDS)
Farnsworth Ave								
12+57.01	13+00.00	42.99	7.0	5.0	2.0	3.0	0.0	0.0
13+00.00	13+50.00	50.00	18.0	11.0	7.0	8.0	0.0	7.0
13+50.00	14+00.00	50.00	22.0	13.0	9.0	5.0	0.0	14.0
14+00.00	14+08.96	8.96	2.0	1.0	1.0	0.0	0.0	2.0
BRIDGE OMISSION								
15+00.00	15+50.00	50.00	10.0	4.0	6.0	0.0	0.0	0.0
15+50.00	16+00.00	50.00	10.0	6.0	4.0	0.0	0.0	0.0
16+00.00	16+50.00	50.00	18.0	11.0	7.0	0.0	8.0	0.0
16+50.00	16+86.75	36.75	7.0	5.0	2.0	0.0	13.0	0.0
TOTAL			94.0	56.0	38.0	16.0	21.0	23.0

NOTES:

* SHRINKAGE FACTOR WILL BE 15%



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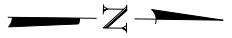
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	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 11/3/2021	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

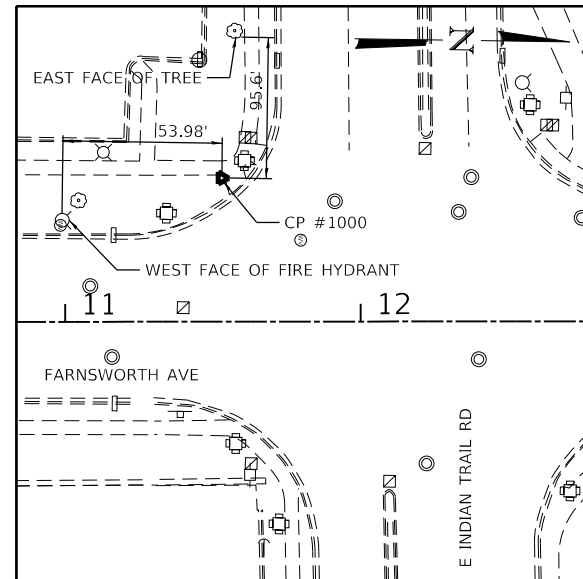
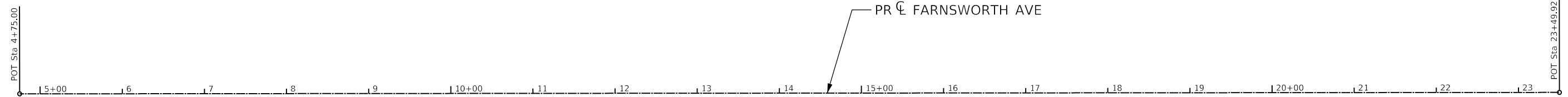
SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 2 OF 2 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	19
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

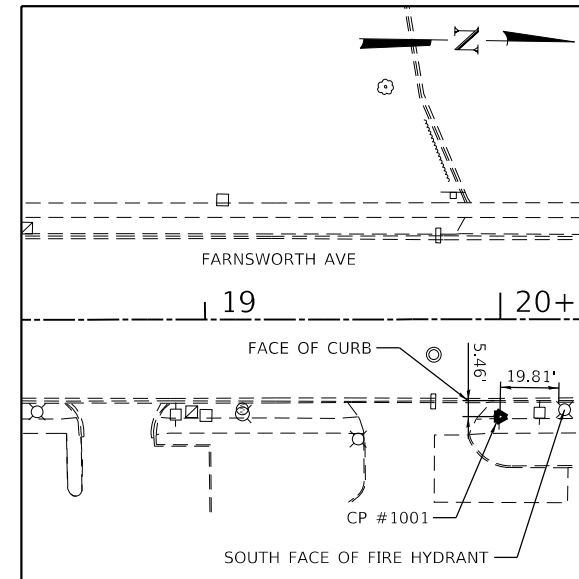


ALIGNMENT COORDINATES - N FARNSWORTH AVE		
STATION	NORTHING	EASTING
4+75.00	1862567.9096	998356.6797
23+49.92	1864442.1338	998281.6973



CONTROL POINT #1000

CITY OF AURORA BM #20 SOUTH
 STA. 11+53.12, 48.67' LT
 N 1863244.6520
 E 998251.0690
 ELEV. 709.91



CONTROL POINT #1001

CITY OF AURORA BM #20 NORTH
 STA. 19+99.95, 32.99' RT
 N 1864092.6170
 E 998319.9540
 ELEV. 709.81

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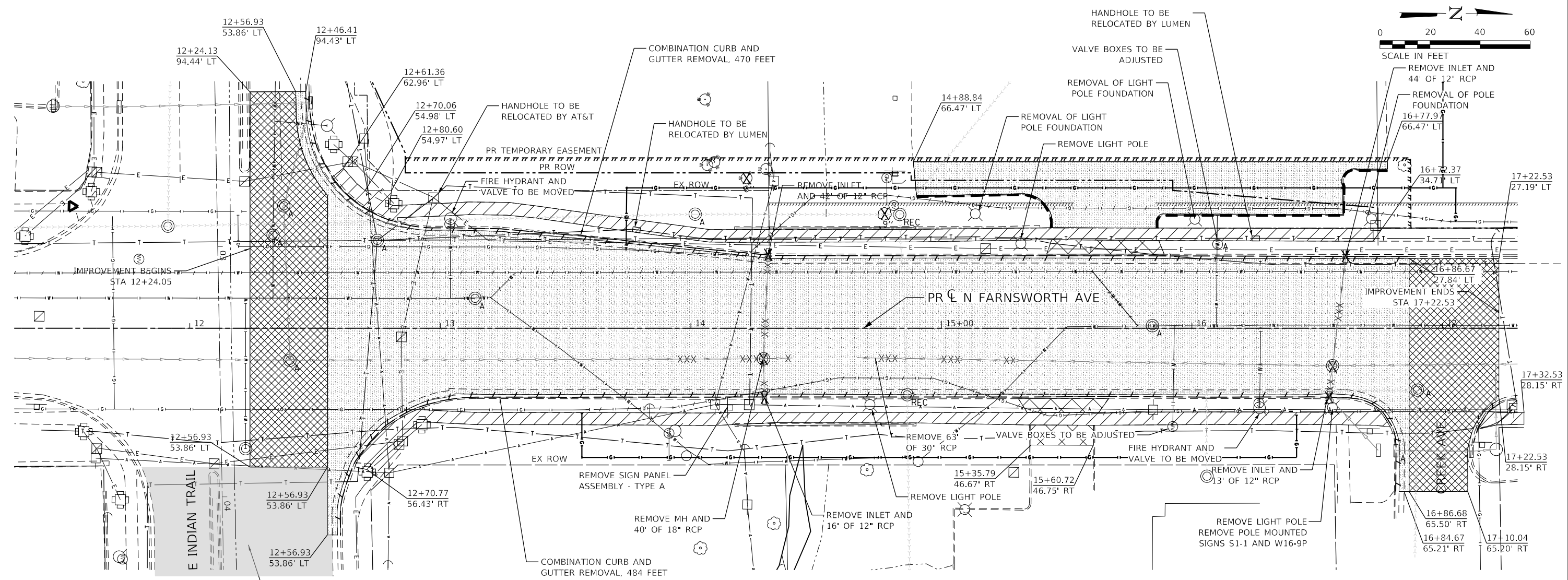
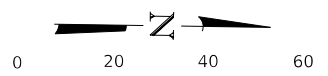
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PLOT DATE = 11/3/2021	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES & BENCHMARKS

SCALE: NTS SHEET 1 OF 1 SHEETS STA. 4+75.00 TO STA. 23+49.92

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	20
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- DRIVEWAY REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- SEWER REMOVAL
- COMBINATION CURB & GUTTER REMOVAL
- CURB REMOVAL
- FRAME AND LID TO BE ADJUSTED
- MANHOLE TO BE RECONSTRUCTED
- REMOVE MANHOLE
- REMOVE INLET
- TREE REMOVAL

LIMITS OF 2022 INDIAN TRAIL RESURFACING PROJECT (SECTION 21-00337-00-RS)

MODEL: Default
FILE NAME: ...10689401-sht-removal-01.dgn



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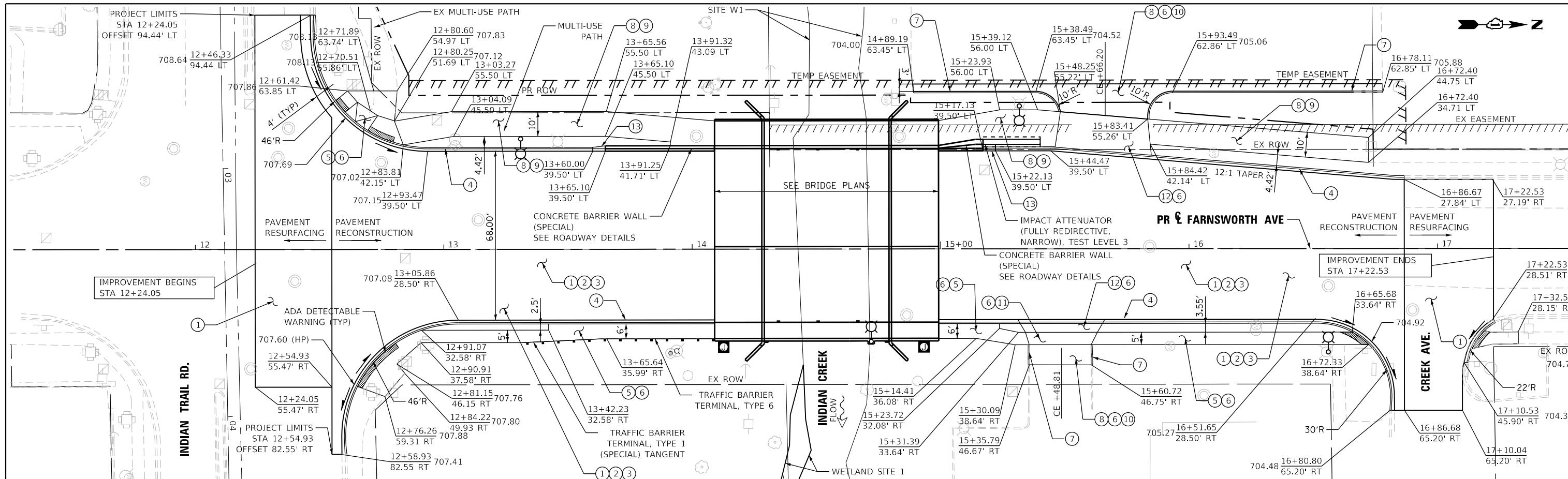
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN	
SCALE: 1"=20'	SHEET 1 OF 1 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	21
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

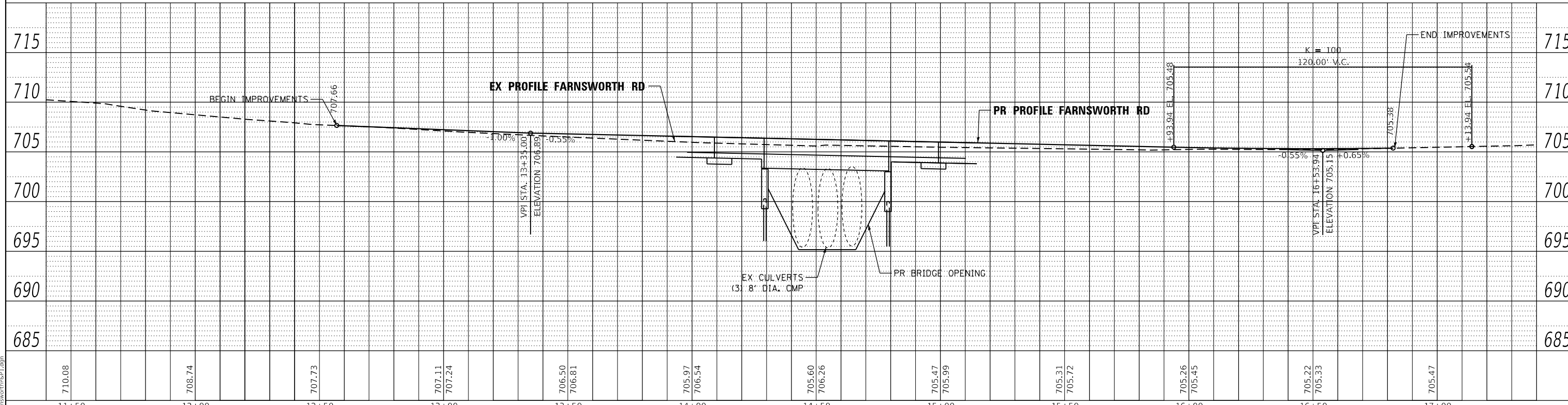
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	STRUCTURE	NO.
	NOTATION	
	CHWD	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOTATION
	CHWD	



ROADWAY LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑥ AGGREGATE BASE COURSE, TYPE B 4"
- ⑦ CONCRETE CURB, TYPE B
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50
- ⑨ AGGREGATE BASE COURSE, TYPE B 6"
- ⑩ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
- ⑪ PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH
- ⑫ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
- ⑬ CONCRETE GUTTER TRANSITION



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN AND PROFILE



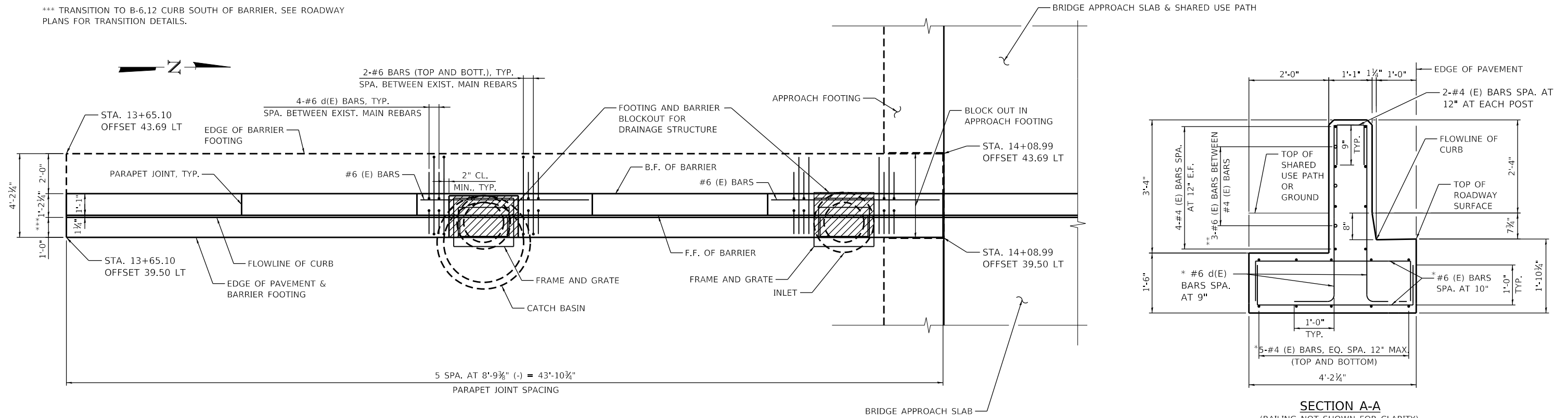
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	DATE - 11/3/2021	REVISED -

F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 22
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

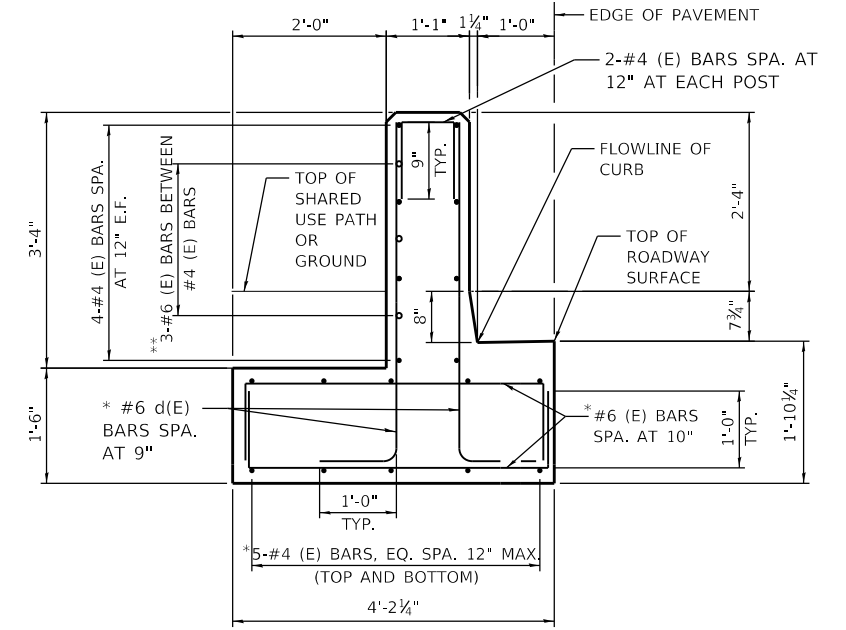
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

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*** TRANSITION TO B-6.12 CURB SOUTH OF BARRIER. SEE ROADWAY PLANS FOR TRANSITION DETAILS.



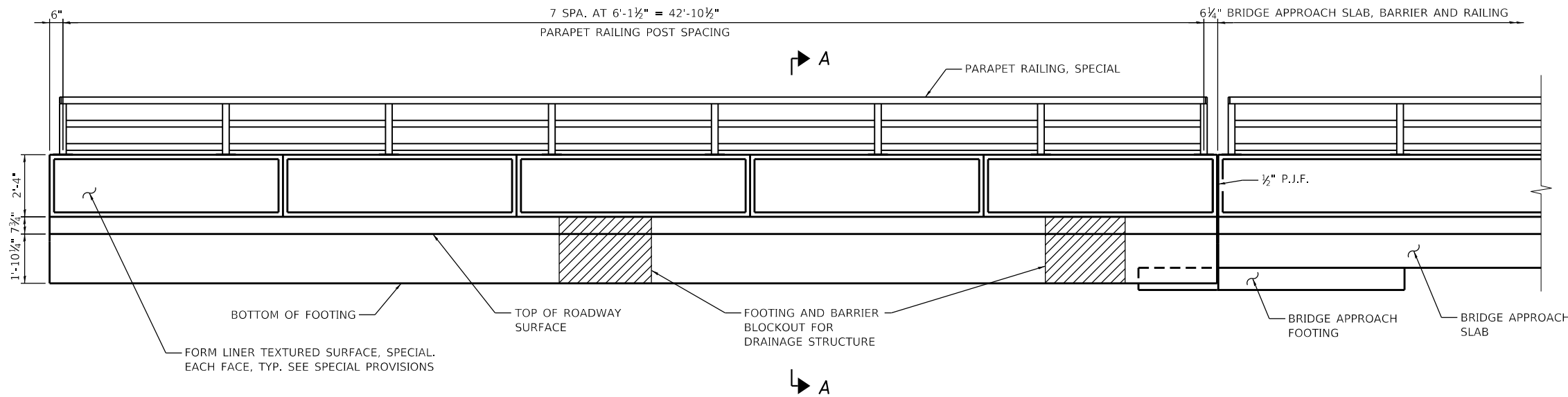
SOUTH CONCRETE BARRIER WALL PLAN
(RAILING NOT SHOWN FOR CLARITY)



SECTION A-A
(RAILING NOT SHOWN FOR CLARITY)
* CUT BARS TO MISS DRAINAGE BLOCKOUTS
** PLACE AT DRAINAGE BLOCKOUT PANELS

NOTES:

- FOR SHARED USE PATH ELEVATIONS AND GEOMETRY, SEE ROADWAY PLANS.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- REINFORCEMENT BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER WALL (SPECIAL).
- PARAPET RAILING SHALL BE PAID FOR AS PARAPET RAILING, SPECIAL.
- ALL EXPOSED SURFACES (INCLUDING SOUTH END) OF CONCRETE BARRIER WALL (SPECIAL), SHALL BE STAINED. SEE SPECIAL PROVISIONS.
- SEE BRIDGE PLANS (SHEET S16) FOR PARAPET RAILING, SPECIAL DETAILS AND (SHEET S13) FOR FORM LINER TEXTURED SURFACE, SPECIAL DETAILS.
- SEE BRIDGE PLANS (SHEET S13) FOR PARAPET JOINT DETAILS.



SOUTH CONCRETE BARRIER WALL ELEVATION
(LOOKING WEST)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
CONCRETE BARRIER WALL (SPECIAL)	FOOT	44
PARAPET RAILING, SPECIAL	FOOT	43
FORM LINER TEXTURED SURFACE, SPECIAL	SQ FT	169
STRUCTURE EXCAVATION	CU YD	48

MODEL: Default
FILE NAME: ...10689501-sht-details-tpco-03.dgn



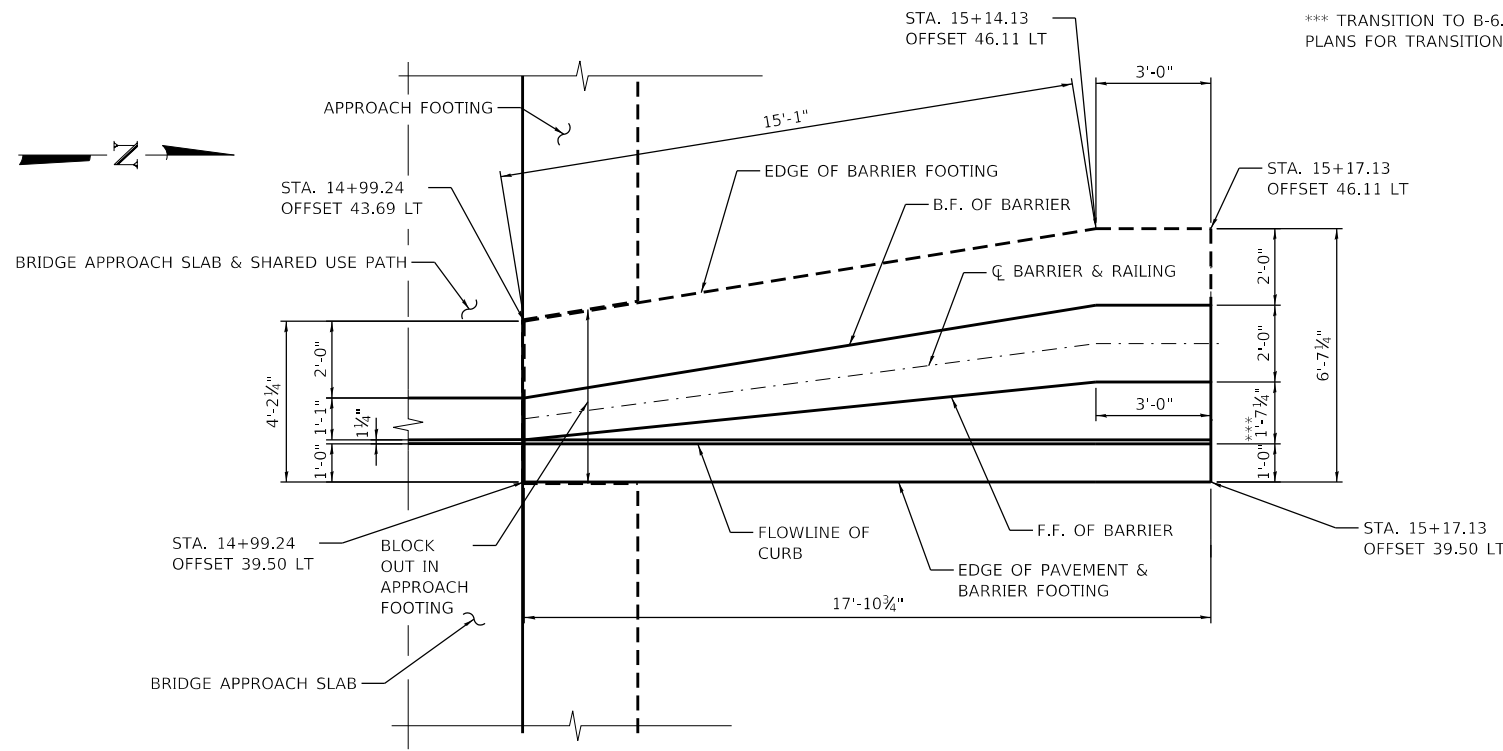
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

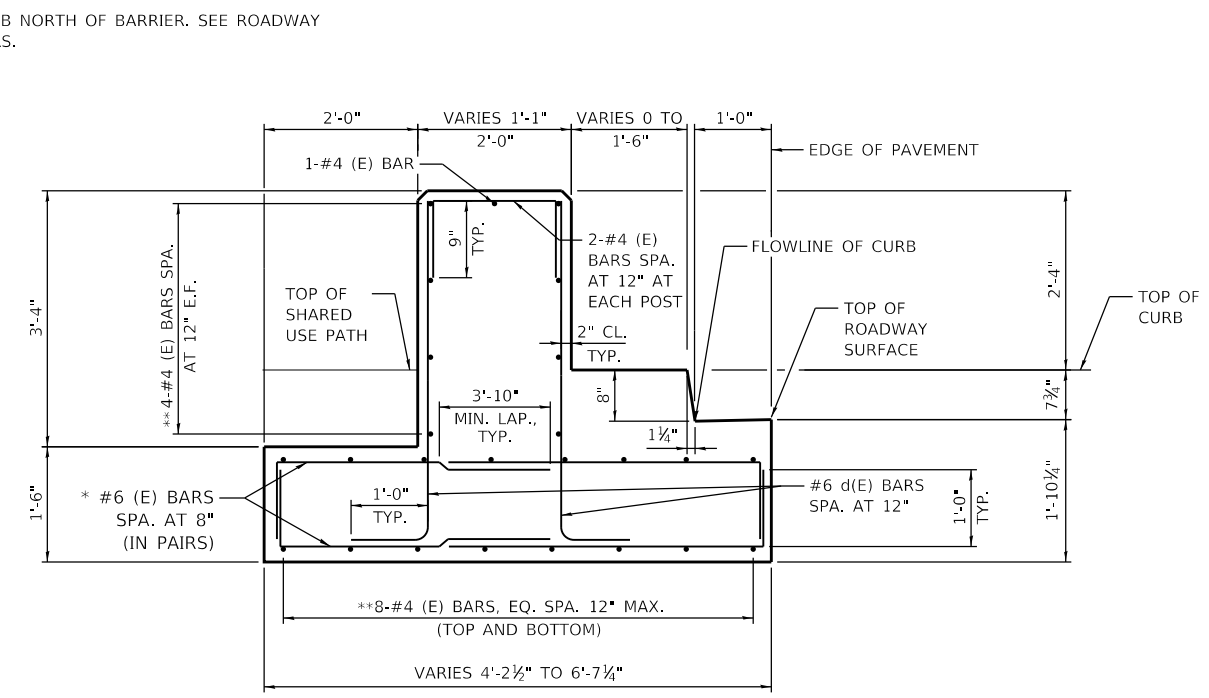
CONCRETE BARRIER WALL (SPECIAL) (1 OF 2)

SCALE: NTS SHEET 1 OF 2 SHEETS STA. 13+65.10 TO STA. 14+08.99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	23
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



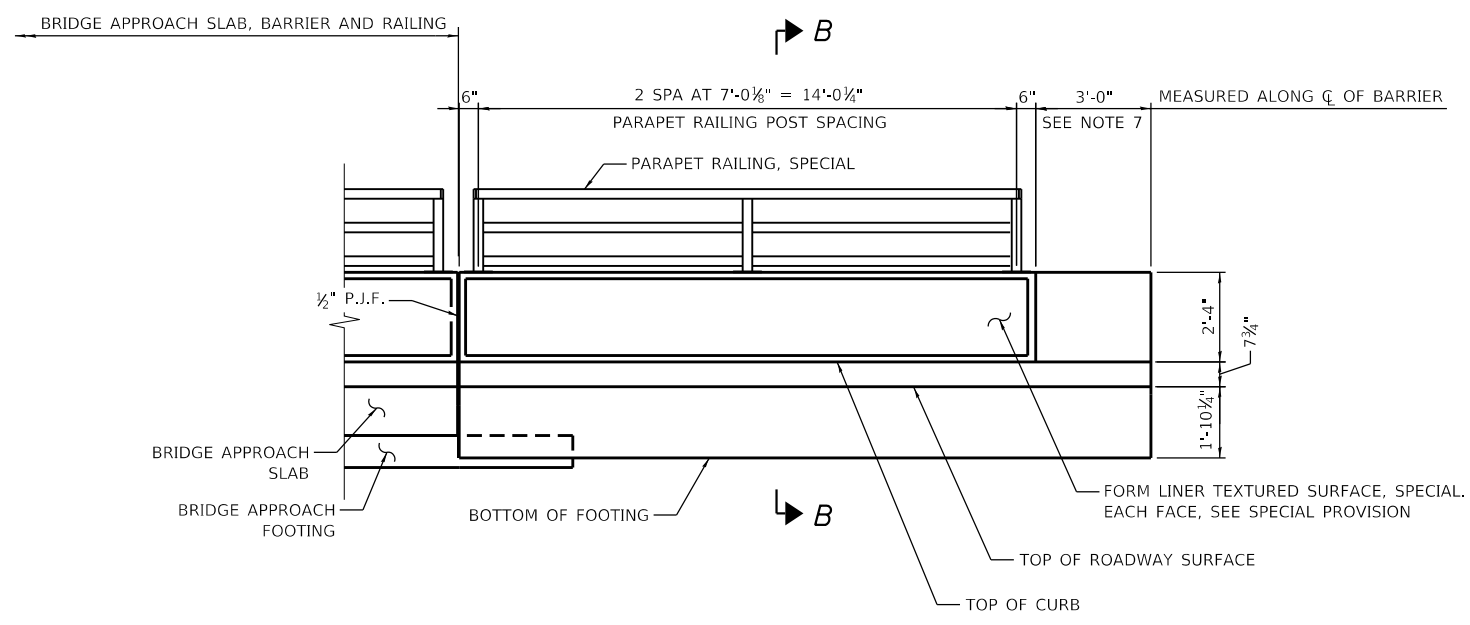
NORTH CONCRETE BARRIER WALL PLAN
(RAILING NOT SHOWN FOR CLARITY)



SECTION B-B
(RAILING NOT SHOWN FOR CLARITY)
*FIELD CUT AS REQUIRED TO FIT
**BEND AS REQUIRED TO FIT

NOTES:

- FOR SHARED USE PATH ELEVATIONS AND GEOMETRY, SEE ROADWAY PLANS.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- REINFORCEMENT BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER WALL (SPECIAL).
- PARAPET RAILING SHALL BE PAID FOR AS PARAPET RAILING, SPECIAL.
- ALL EXPOSED SURFACES (INCLUDING NORTH END) OF CONCRETE BARRIER WALL (SPECIAL), SHALL BE STAINED. SEE SPECIAL PROVISIONS.
- SEE BRIDGE PLANS (SHEET S16) FOR PARAPET RAILING, SPECIAL DETAILS AND (SHEET S13) FOR FORM LINER TEXTURED SURFACE, SPECIAL DETAILS.
- SPACE REINFORCEMENT TO MISS IMPACT ATTENUATOR ANCHOR BOLTS.



NORTH CONCRETE BARRIER WALL UNFOLDED ELEVATION
(LOOKING WEST)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
CONCRETE BARRIER WALL (SPECIAL)	FOOT	18
PARAPET RAILING, SPECIAL	FOOT	14
FORM LINER TEXTURED SURFACE, SPECIAL	SQ FT	59
STRUCTURE EXCAVATION	CU YD	17

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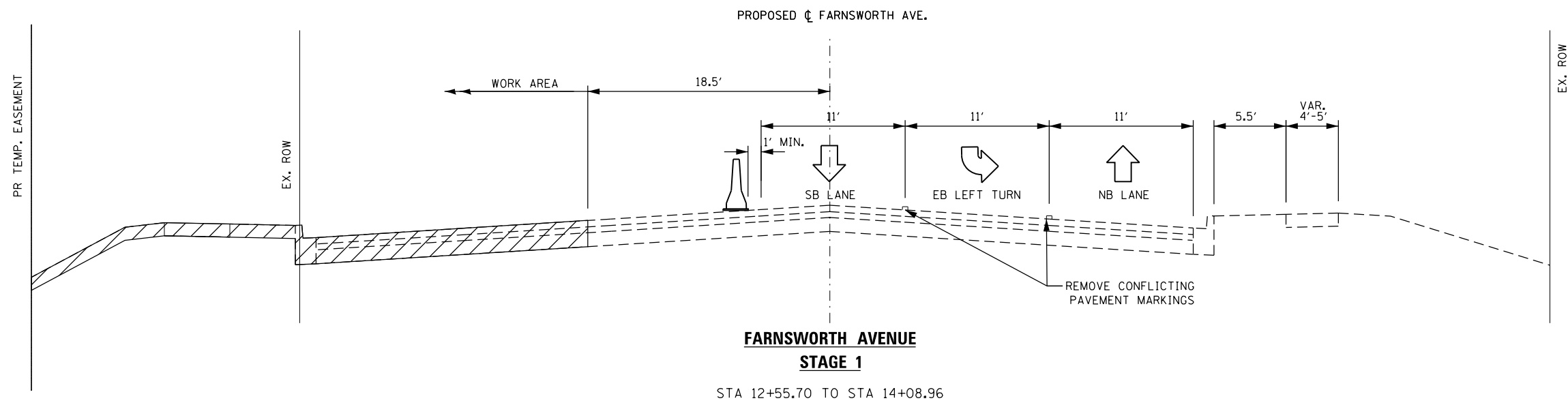
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONCRETE BARRIER WALL (SPECIAL) (2 OF 2)

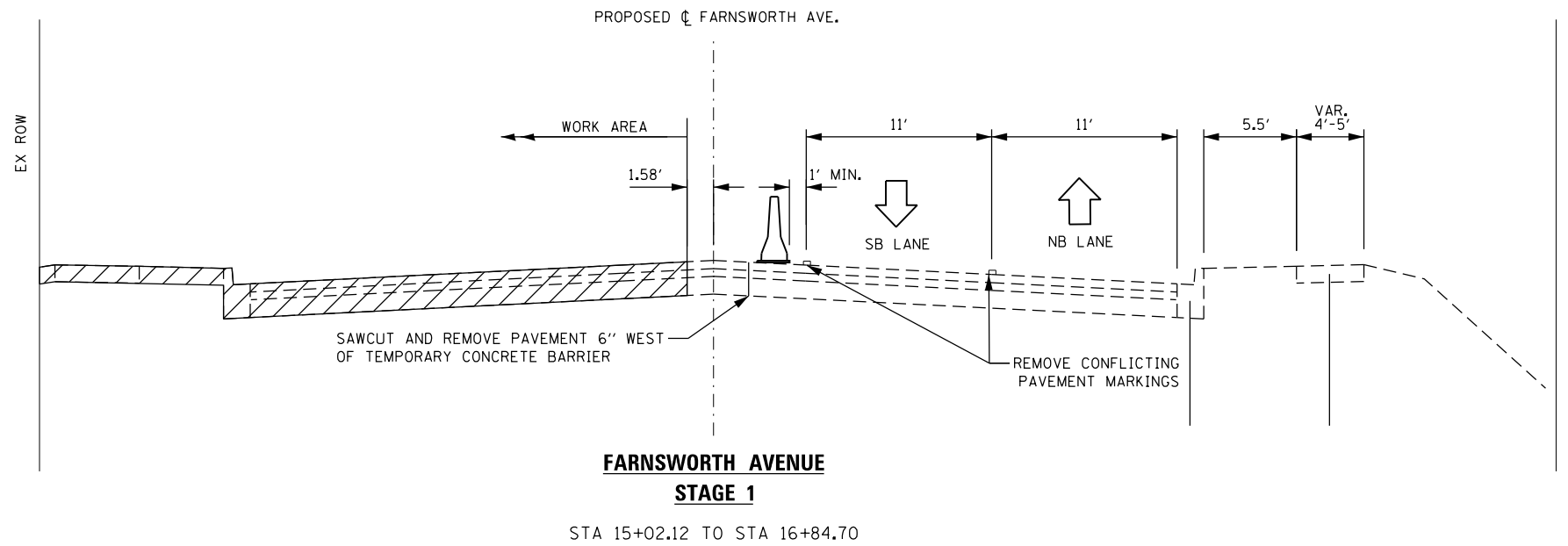
SCALE: NTS SHEET 2 OF 2 SHEETS STA. 14+99.24 TO STA. 15+17.13

F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 24
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



**FARNSWORTH AVENUE
STAGE 1**

STA 12+55.70 TO STA 14+08.96



**FARNSWORTH AVENUE
STAGE 1**

STA 15+02.12 TO STA 16+84.70

SUGGESTED CONSTRUCTION STAGING SEQUENCE

STAGE 1 CONSTRUCTION

1. REMOVE CONFLICTING PAVEMENT MARKING.
2. ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKINGS PER STAGE 1 PLAN AND APPLICABLE IDOT STANDARDS.
3. INSTALL TEMPORARY EROSION CONTROL DEVICES PER PLAN AND APPLICABLE DETAILS.
4. CONSTRUCT WEST SIDE OF BRIDGE PER STAGE 1 PLAN AND APPLICABLE DETAILS.
5. CONSTRUCT CONCRETE CURB & GUTTER.
6. CONSTRUCT HOT-MIX ASPHALT PAVEMENT TO BINDER WITHIN STAGE 1.
7. CONSTRUCT SHARED USE PATH AND RAILING ON WEST SIDE OF BRIDGE.





STAGE 1A CONSTRUCTION

1. ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKINGS PER STAGE 1A PLAN AND APPLICABLE IDOT STANDARDS.
2. CONSTRUCT HOT-MIX ASPHALT PAVEMENT TO BINDER WITHIN STAGE 1A.

STAGE 2 CONSTRUCTION

1. ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKINGS PER STAGE 2 PLAN AND APPLICABLE IDOT STANDARDS.
2. INSTALL TEMPORARY EROSION CONTROL DEVICES PER PLAN AND APPLICABLE DETAILS.
3. CONSTRUCT EAST SIDE OF BRIDGE PER STAGE 1 PLAN AND APPLICABLE DETAILS.
4. CONSTRUCT CONCRETE CURB & GUTTER.
5. CONSTRUCT HOT-MIX ASPHALT PAVEMENT TO BINDER WITHIN STAGE 2.
6. CONSTRUCT CONCRETE SIDEWALK.
7. COMPLETE LANDSCAPE RESTORATION.

LEGEND:

-  WORK ZONE
-  COMPLETED CONSTRUCTION (PREVIOUS STAGE WORK ZONE)
-  DIRECTION OF TRAFFIC
-  TEMPORARY CONCRETE BARRIER

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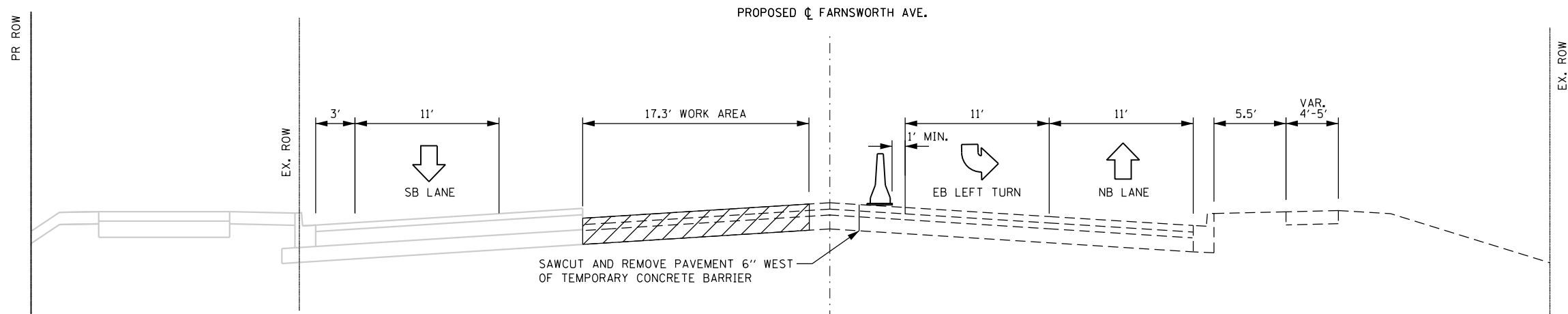
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOT PROPOSED TYPICAL SECTIONS

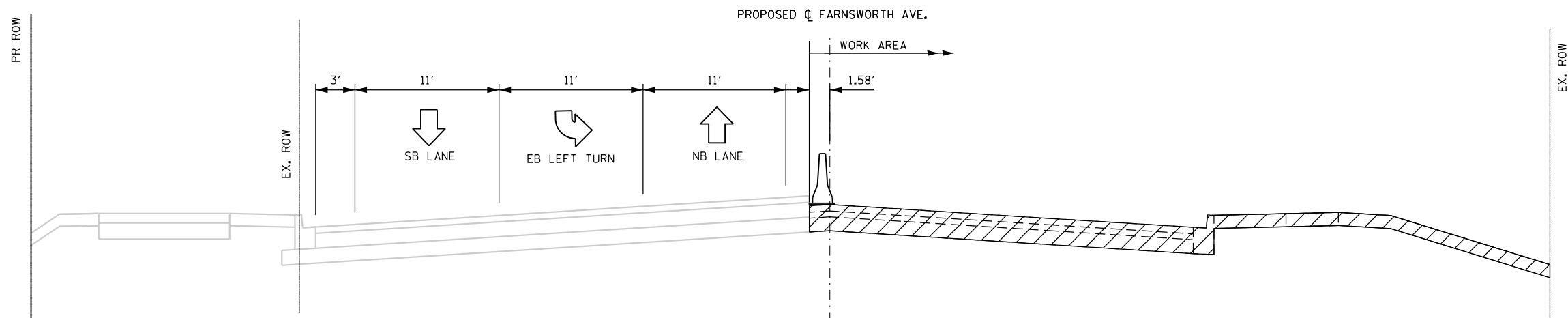
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	25
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



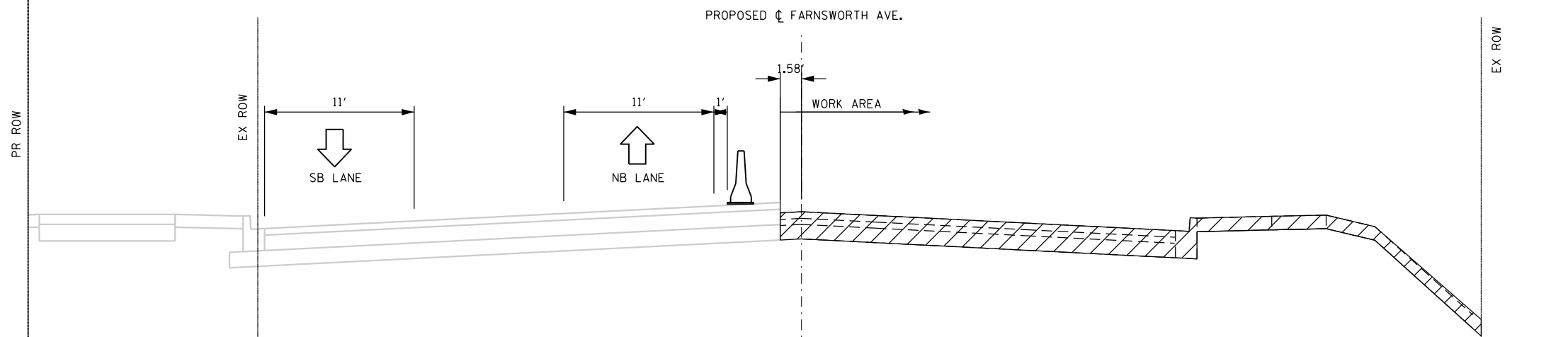
**FARNSWORTH AVENUE
STAGE 1A**

STA 12+55.70 TO STA 14+09.04



**FARNSWORTH AVENUE
STAGE 2**

STA 12+55.70 TO STA 14+09.04



**FARNSWORTH AVENUE
STAGE 2**

STA 15+02.12 TO STA 16+84.70

- LEGEND:**
- WORK ZONE
 - COMPLETED CONSTRUCTION (PREVIOUS STAGE WORK ZONE)
 - DIRECTION OF TRAFFIC
 - TEMPORARY CONCRETE BARRIER

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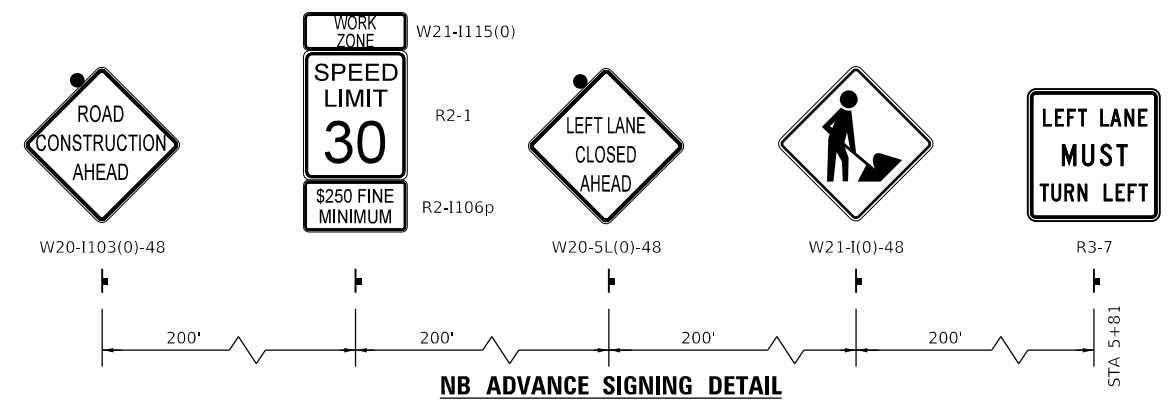
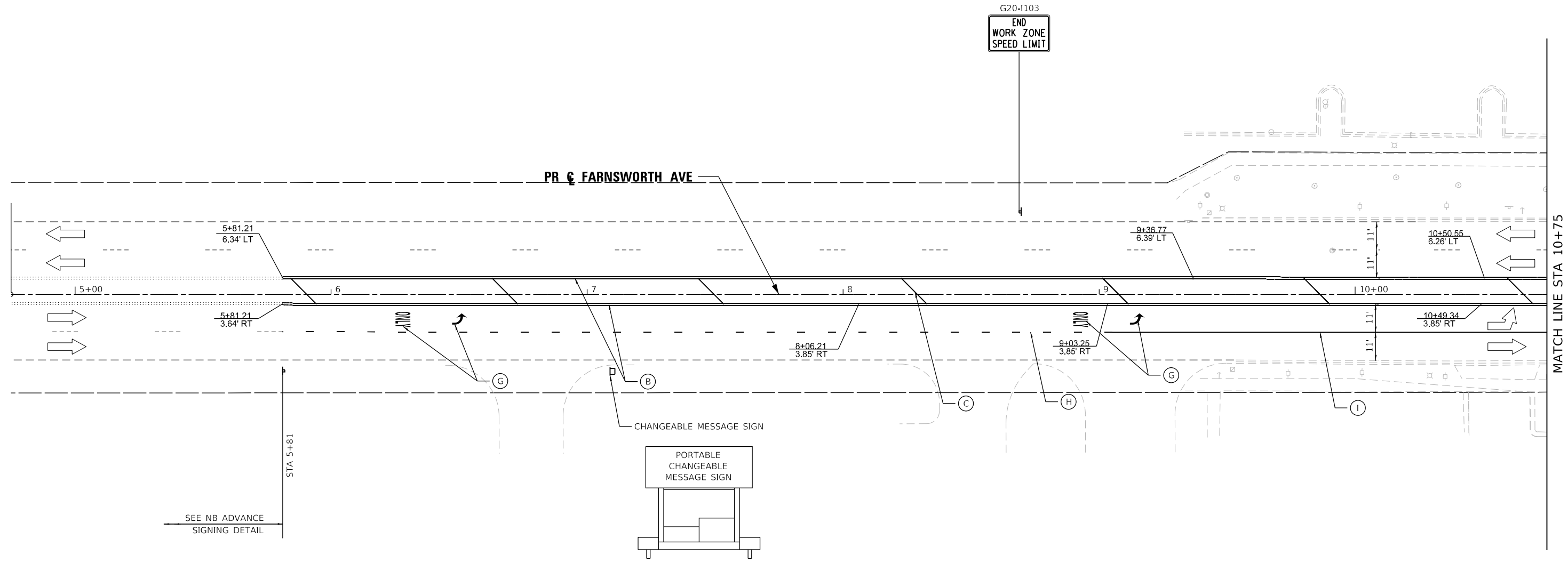
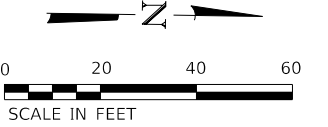
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PLOT DATE = 11/3/2021	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOT PROPOSED TYPICAL SECTIONS

SCALE: NONE SHEET 2 OF 2 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	26
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



NOTE:
SIGN W21-I(0)-48 SHALL BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

LEGEND	
	DIRECTION OF TRAFFIC
	STAGED WORK ZONE
	CONSTRUCTION DRUMS
	TYPE III BARRICADE
	BARRICADE
	ARROW BOARD
	SIGN
	IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
	DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
	TEMPORARY CONCRETE BARRIER
(A)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
(B)	TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
(C)	TEMPORARY PAVEMENT MARKING LINE 12" - TYPE III TAPE (YELLOW)
(D)	TEMPORARY PAVEMENT MARKING STOP BAR 24" - TYPE III TAPE (WHITE)
(E)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 10' DASH - 30' SKIP (WHITE)
(F)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
(G)	TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
(H)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
(I)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)

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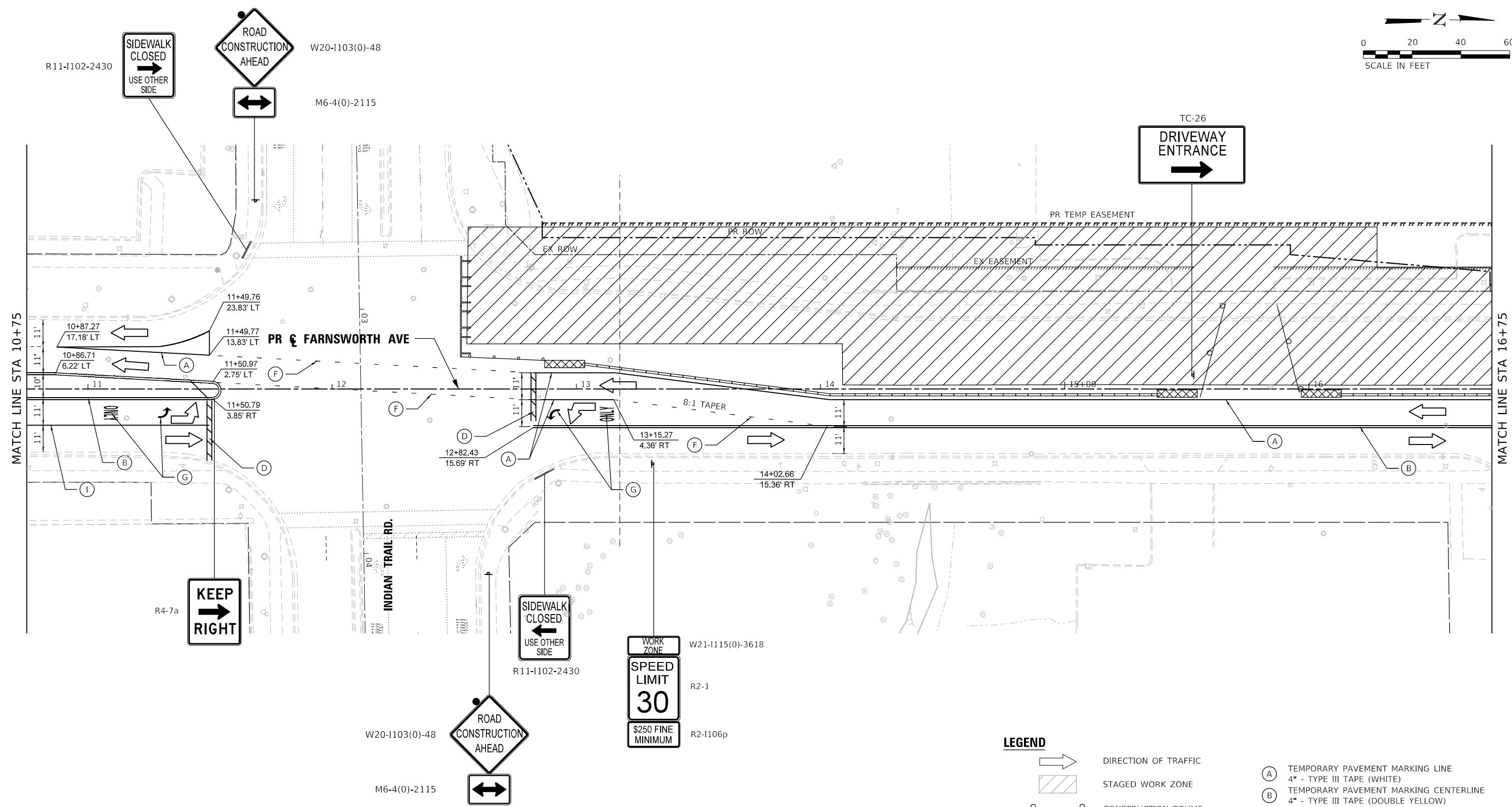
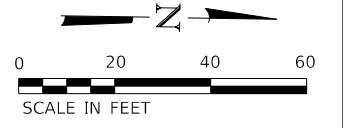
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	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 1
FARNSWORTH AVE STA 4+75 TO STA 10+75

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 4+75 TO STA. 10+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	27
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



LEGEND

	DIRECTION OF TRAFFIC	(A)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
	STAGED WORK ZONE	(B)	TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
	CONSTRUCTION DRUMS	(C)	TEMPORARY PAVEMENT MARKING LINE 12" - TYPE III TAPE (YELLOW)
	TYPE III BARRICADE	(D)	TEMPORARY PAVEMENT MARKING STOP BAR 24" - TYPE III TAPE (WHITE)
	BARRICADE	(E)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 10' DASH - 30' SKIP (WHITE)
	ARROW BOARD	(F)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
	SIGN	(G)	TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
	IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3	(H)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
	DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE	(I)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)
	TEMPORARY CONCRETE BARRIER		

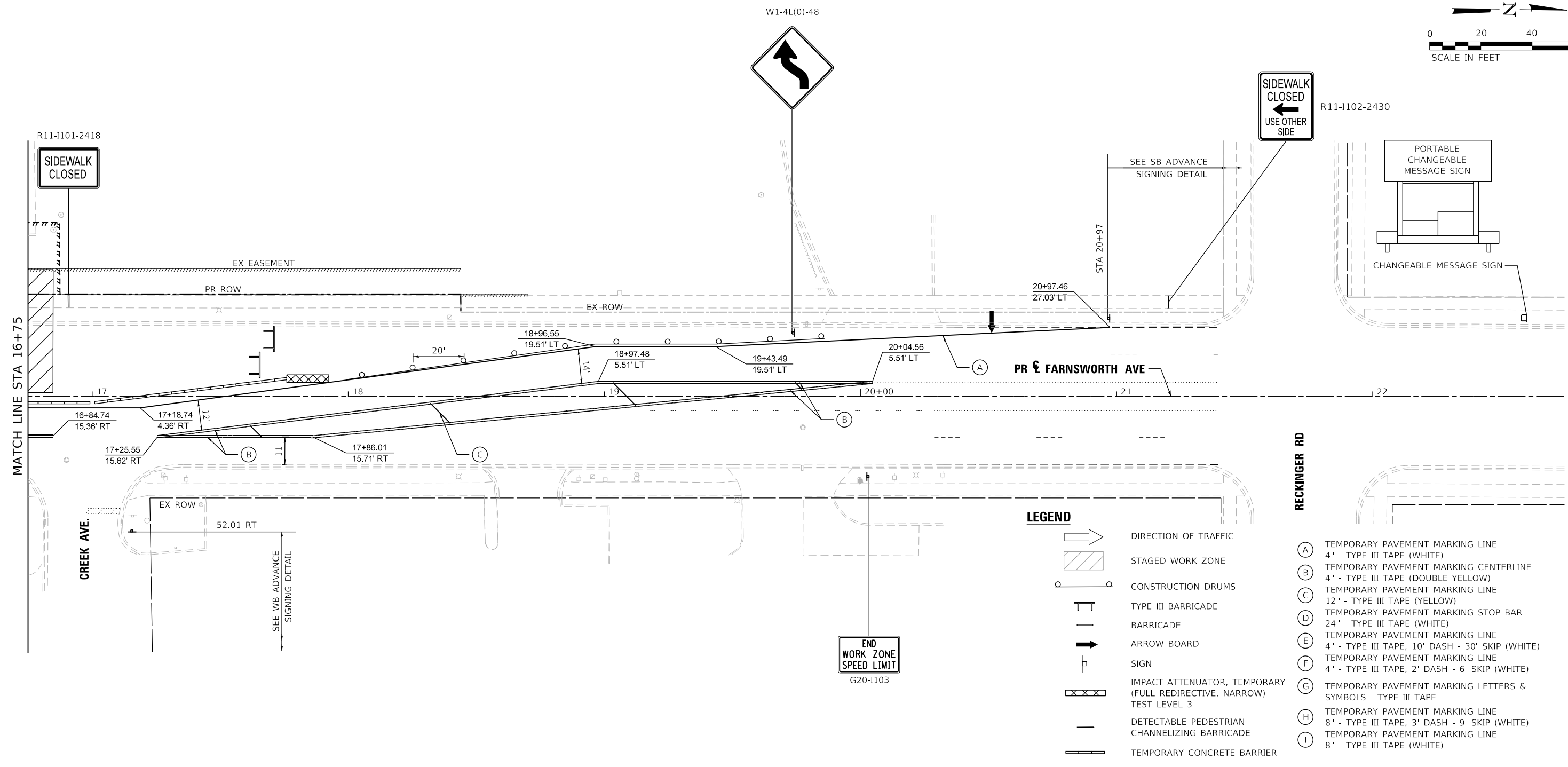
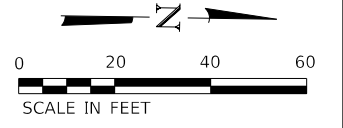
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

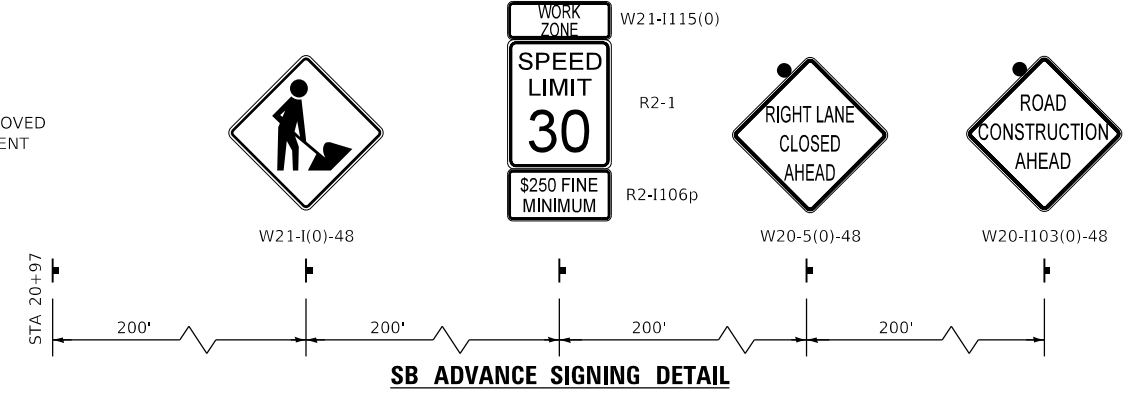
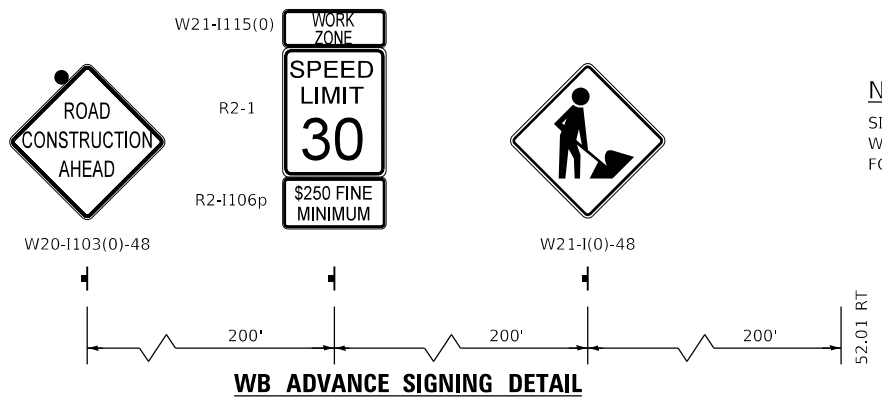
MAINTENANCE OF TRAFFIC - STAGE 1
 FARNSWORTH AVE STA 10+75 TO STA 16+75
 SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 10+75 TO STA. 16+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	28
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



LEGEND

- DIRECTION OF TRAFFIC
 - STAGED WORK ZONE
 - CONSTRUCTION DRUMS
 - TYPE III BARRICADE
 - BARRICADE
 - ARROW BOARD
 - SIGN
 - IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
 - DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
 - TEMPORARY CONCRETE BARRIER
- (A) TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
 - (B) TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
 - (C) TEMPORARY PAVEMENT MARKING LINE 12" - TYPE III TAPE (YELLOW)
 - (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" - TYPE III TAPE (WHITE)
 - (E) TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 10' DASH - 30' SKIP (WHITE)
 - (F) TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
 - (G) TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
 - (H) TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
 - (I) TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)



NOTE:
SIGN W21-I(0)-48 SHALL BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

MODEL: Default
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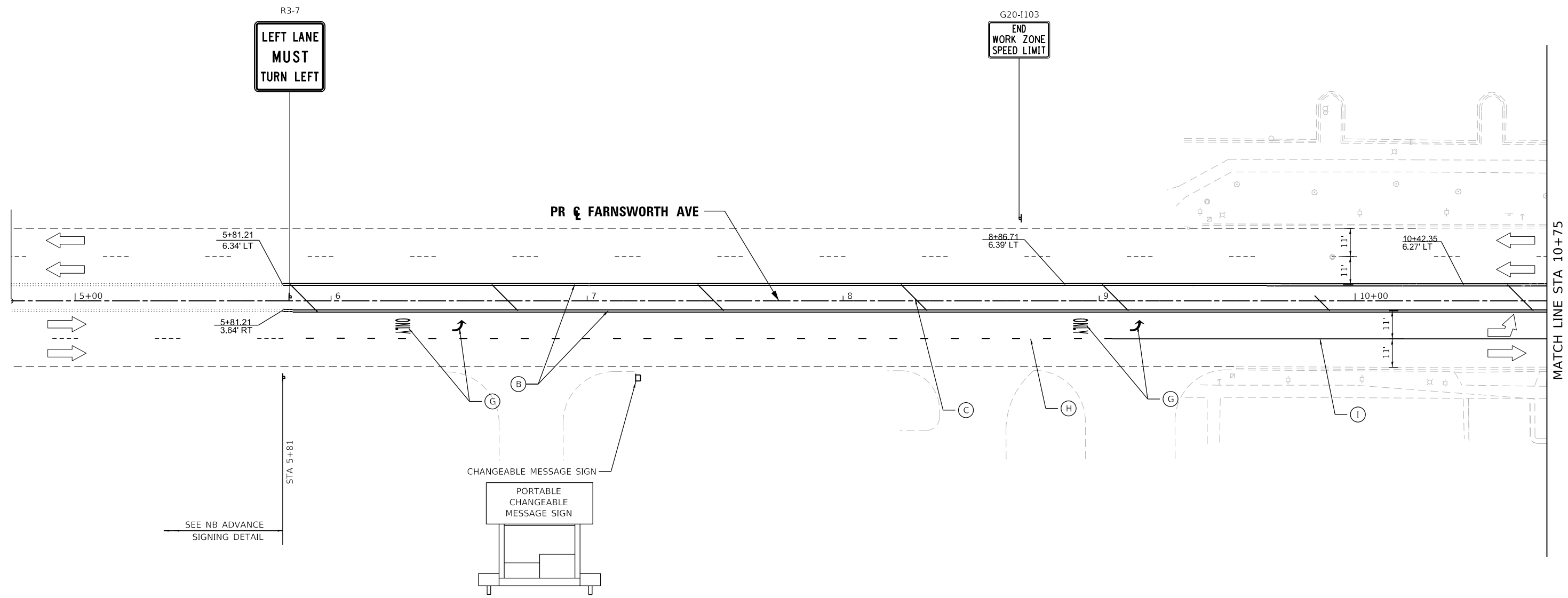
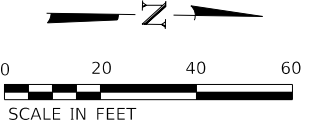


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DRAWN - NPD	REVISED -	
CHECKED - PJO	REVISED -	
DATE - 11/03/2021	REVISED -	

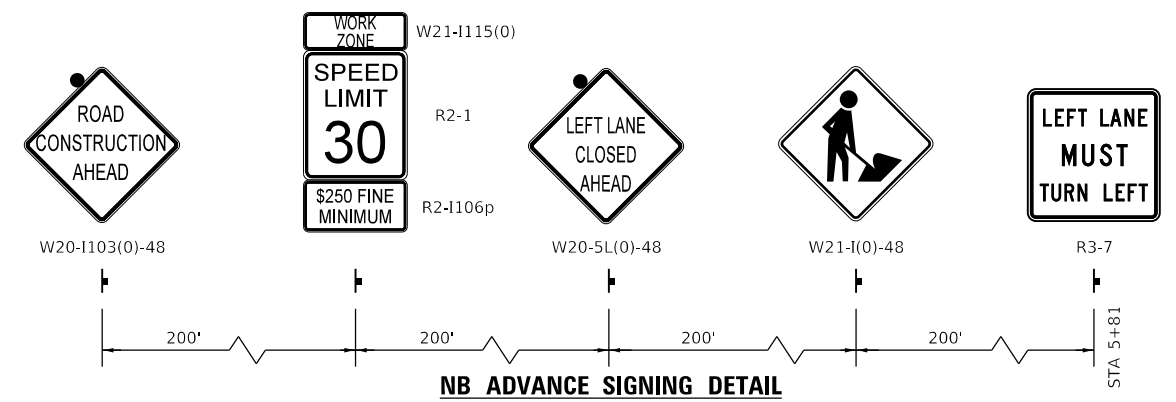
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 1
FARNSWORTH AVE STA 16+75 TO STA 22+00
SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 16+75 TO STA. 22+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	29
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



SEE NB ADVANCE SIGNING DETAIL



NOTE:
SIGN W21-I(0)-48 SHALL BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

LEGEND	
	DIRECTION OF TRAFFIC
	STAGED WORK ZONE
	CONSTRUCTION DRUMS
	TYPE III BARRICADE
	BARRICADE
	ARROW BOARD
	SIGN
	IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
	DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
	TEMPORARY CONCRETE BARRIER
(A)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
(B)	TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
(C)	TEMPORARY PAVEMENT MARKING LINE 12" - TYPE III TAPE (YELLOW)
(D)	TEMPORARY PAVEMENT MARKING STOP BAR 24" - TYPE III TAPE (WHITE)
(E)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 10' DASH - 30' SKIP (WHITE)
(F)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
(G)	TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
(H)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
(I)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)

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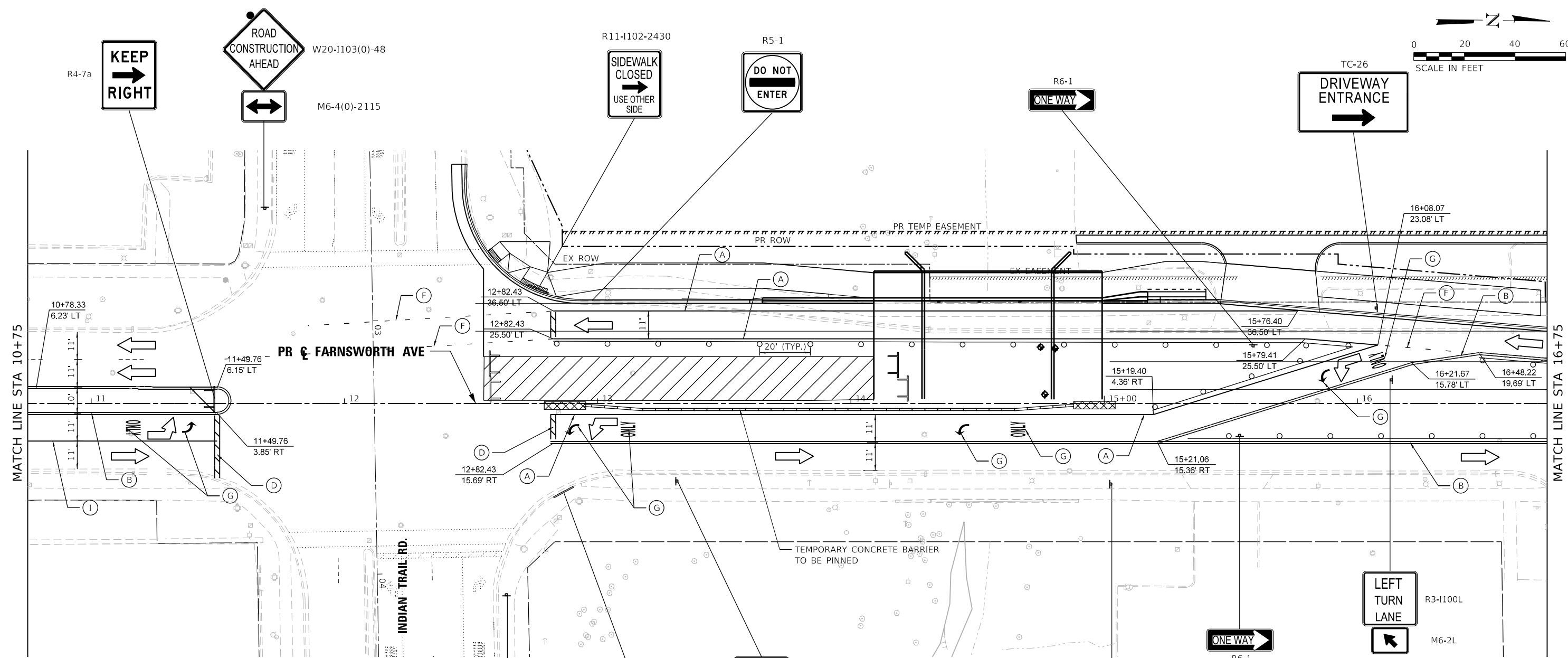
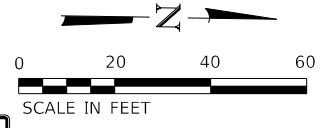


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	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 1A FARNSWORTH AVE STA 4+75 TO STA 10+75	
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS STA. 4+75 TO STA. 10+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	30
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



LEGEND

	DIRECTION OF TRAFFIC		TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
	STAGED WORK ZONE		TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
	CONSTRUCTION DRUMS		TEMPORARY PAVEMENT MARKING LINE 12" - TYPE III TAPE (YELLOW)
	TYPE III BARRICADE		TEMPORARY PAVEMENT MARKING STOP BAR 24" - TYPE III TAPE (WHITE)
	BARRICADE		TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 10' DASH - 30' SKIP (WHITE)
	ARROW BOARD		TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
	SIGN		TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
	IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3		TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
	DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE		TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)
	TEMPORARY CONCRETE BARRIER		

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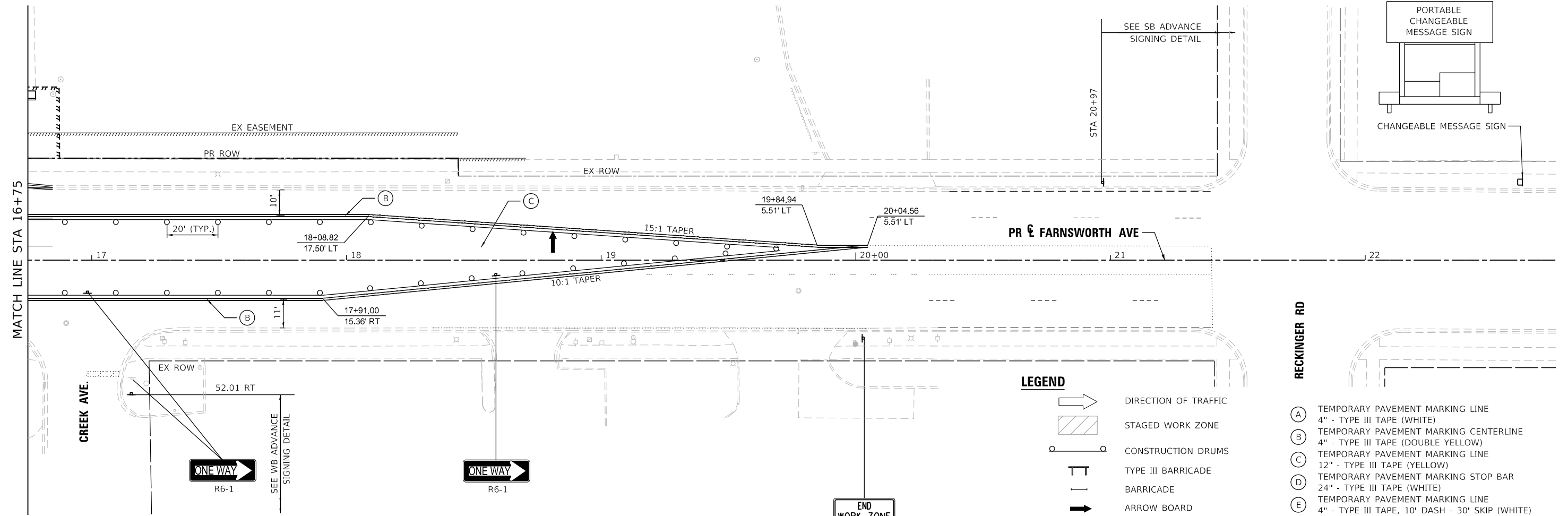
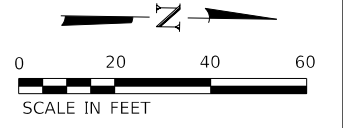


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DRAWN - NPD	REVISIONS -	
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PLOT DATE = 11/02/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 1A
 FARNSWORTH AVE STA 10+75 TO STA 16+75
 SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 10+75 TO STA. 16+75

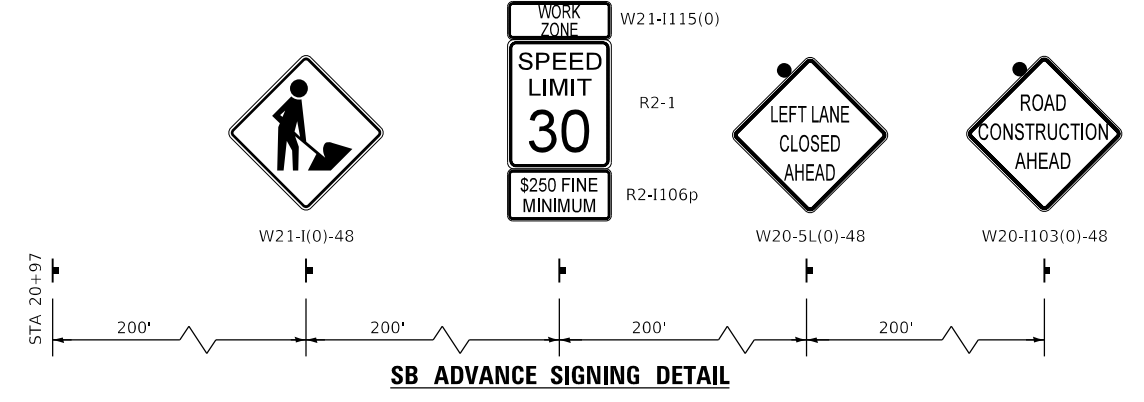
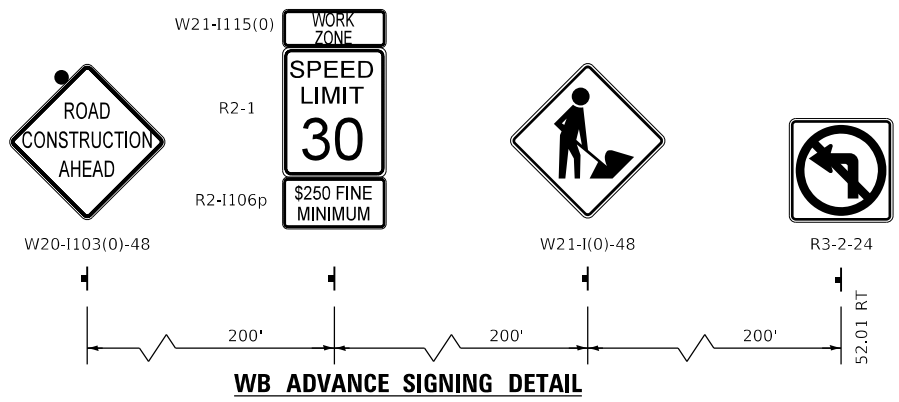
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	31
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- DIRECTION OF TRAFFIC
 - STAGED WORK ZONE
 - CONSTRUCTION DRUMS
 - TYPE III BARRICADE
 - BARRICADE
 - ARROW BOARD
 - SIGN
 - IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
 - DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
 - TEMPORARY CONCRETE BARRIER

- (A) TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
- (B) TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
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- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" - TYPE III TAPE (WHITE)
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- (F) TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
- (G) TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
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- (I) TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)

NOTE:
SIGN W21-I(0)-48 SHALL BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



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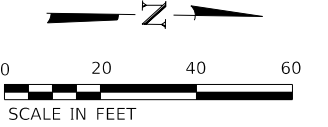


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DATE - 11/03/2021	REVISED -	

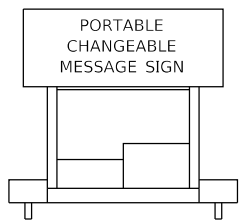
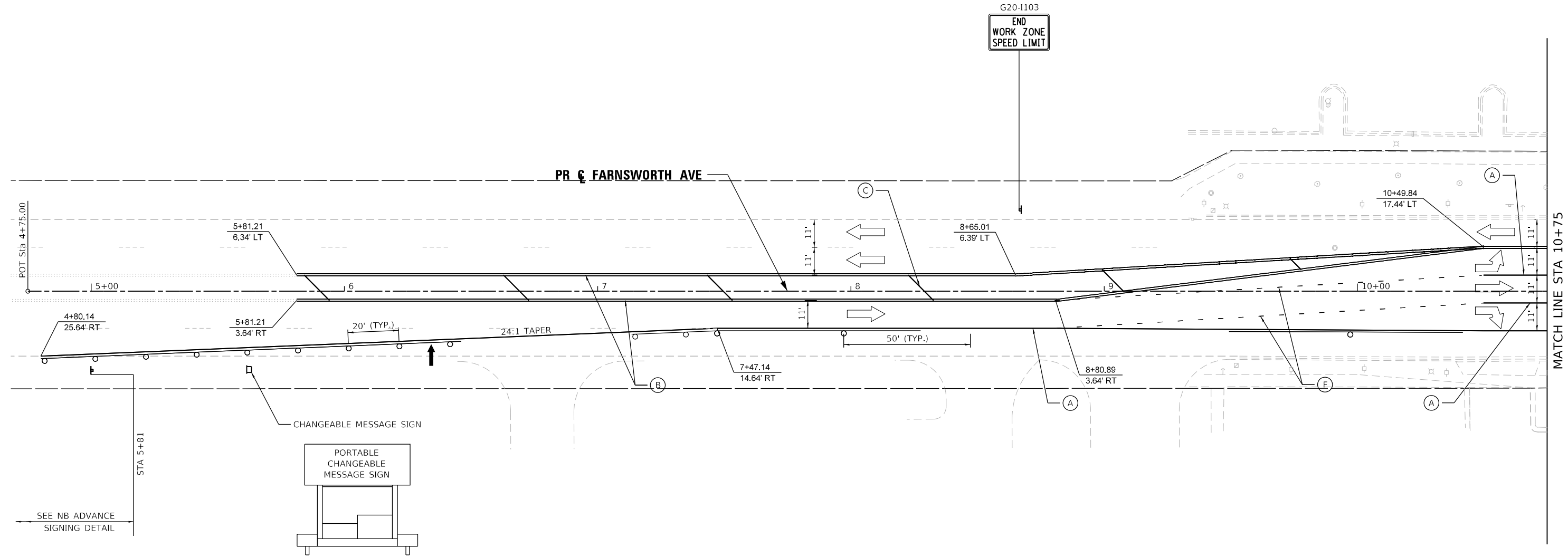
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 1A
FARNSWORTH AVE STA 16+75 TO STA 22+00
SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 16+75 TO STA. 22+00

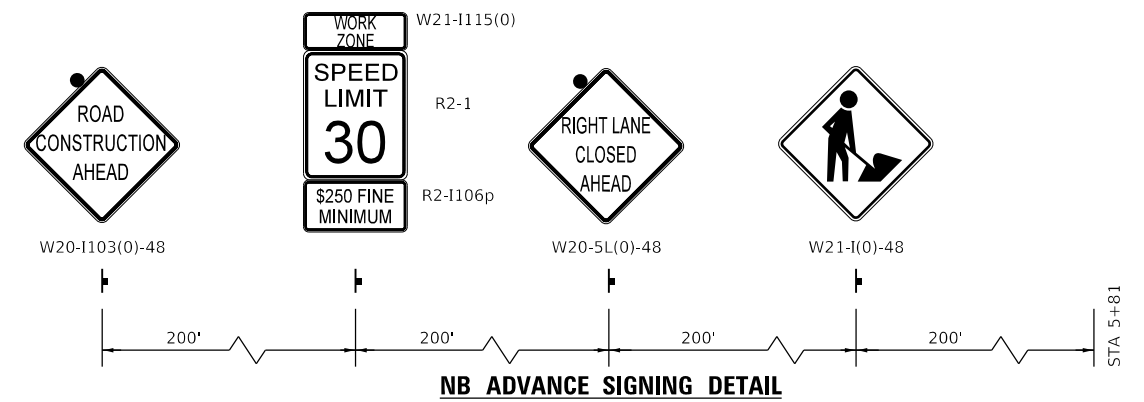
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	32
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



G20-1103
END
WORK ZONE
SPEED LIMIT



SEE NB ADVANCE
SIGNING DETAIL



NOTE:
SIGN W21-I(0)-48 SHALL BE REMOVED
WHEN WORKERS ARE NOT PRESENT
FOR MORE THAN ONE HOUR

LEGEND	
	DIRECTION OF TRAFFIC
	STAGED WORK ZONE
	CONSTRUCTION DRUMS
	TYPE III BARRICADE
	BARRICADE
	ARROW BOARD
	SIGN
	IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
	DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
	TEMPORARY CONCRETE BARRIER
(A)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
(B)	TEMPORARY PAVEMENT MARKING CENTERLINE 4" - TYPE III TAPE (DOUBLE YELLOW)
(C)	TEMPORARY PAVEMENT MARKING LINE 12" - TYPE III TAPE (YELLOW)
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(F)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE, 2' DASH - 6' SKIP (WHITE)
(G)	TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS - TYPE III TAPE
(H)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
(I)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)

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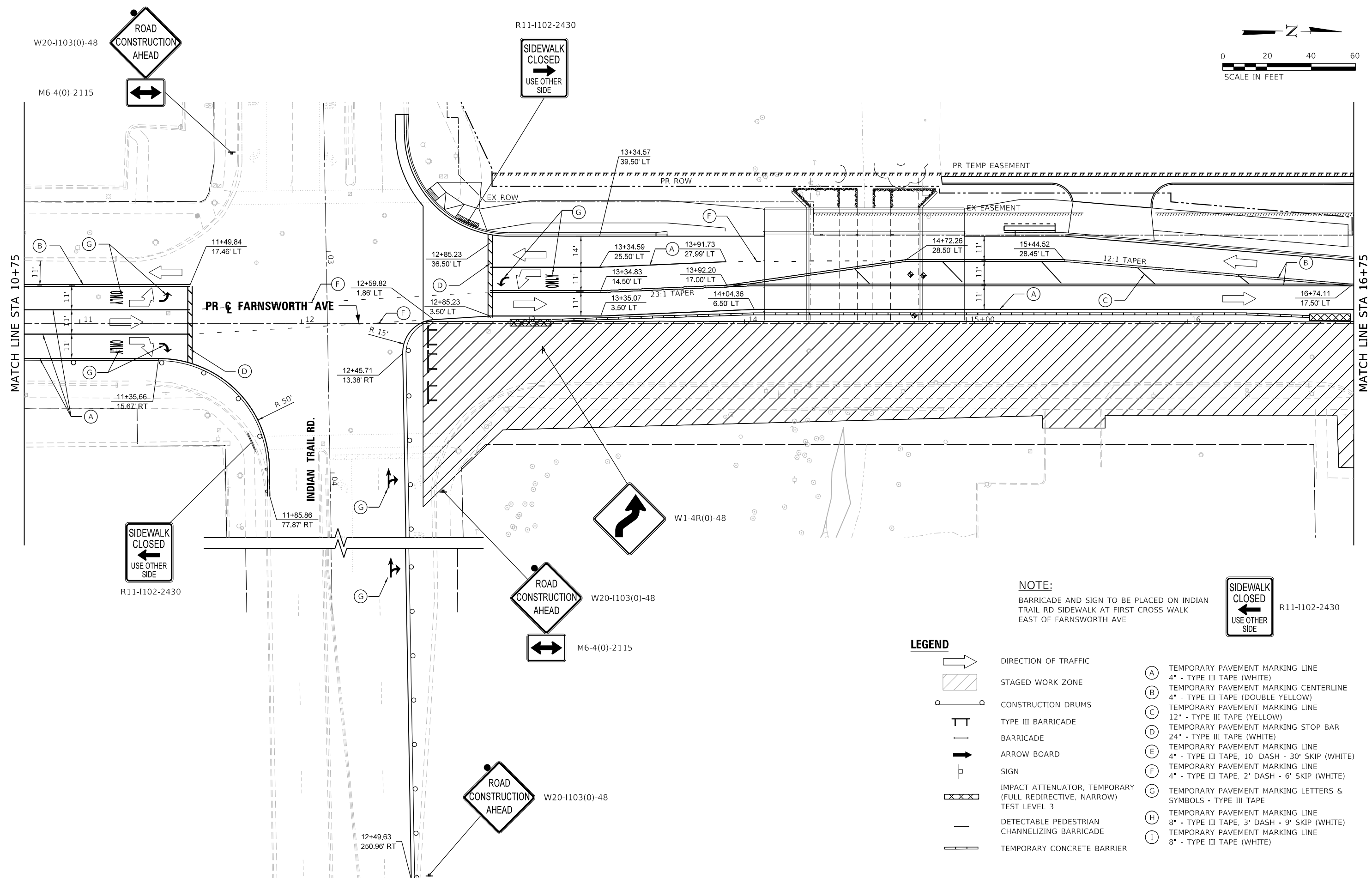
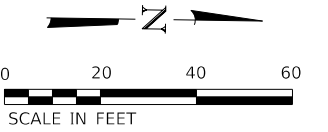


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	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 2
FARNSWORTH AVE STA 4+75 TO STA 10+75
SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 4+75 TO STA. 10+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	33
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



NOTE:
 BARRICADE AND SIGN TO BE PLACED ON INDIAN TRAIL RD SIDEWALK AT FIRST CROSS WALK EAST OF FARNSWORTH AVE

LEGEND	
	DIRECTION OF TRAFFIC
	STAGED WORK ZONE
	CONSTRUCTION DRUMS
	TYPE III BARRICADE
	BARRICADE
	ARROW BOARD
	SIGN
	IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
	DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
	TEMPORARY CONCRETE BARRIER

(A)	TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
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(I)	TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)

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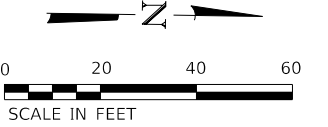


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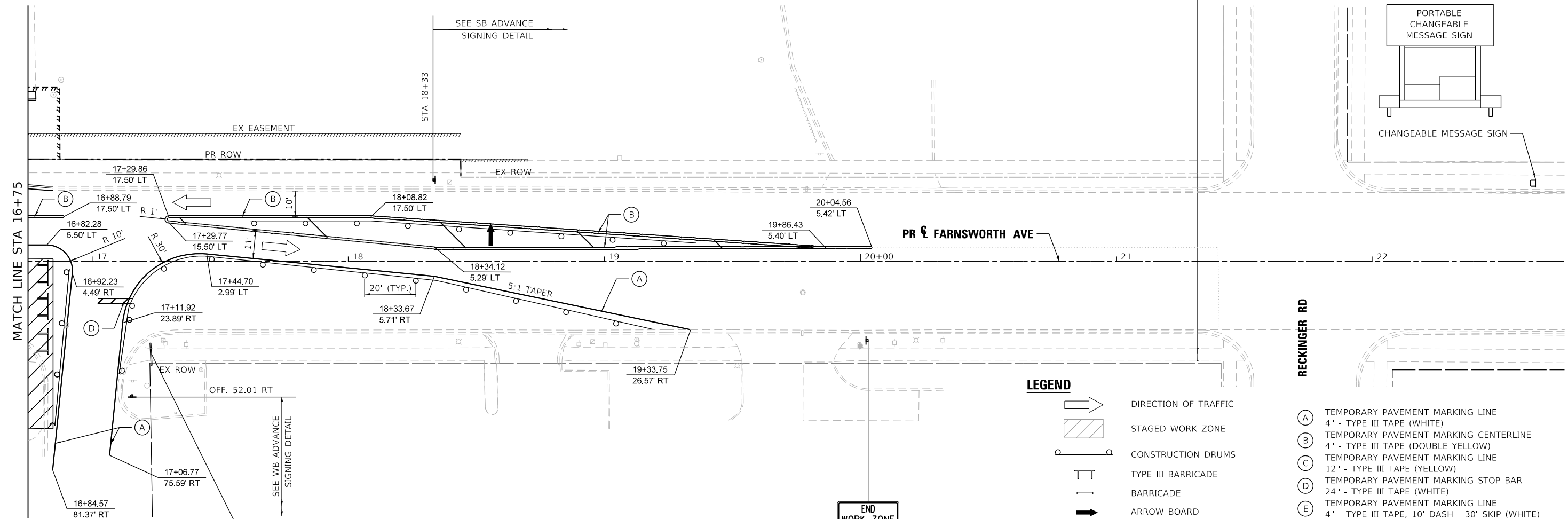
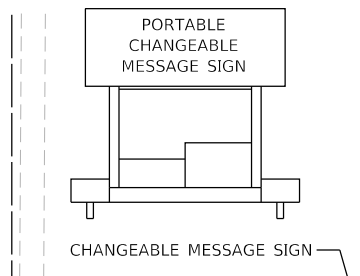
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 2
 FARNSWORTH AVE STA 10+75 TO STA 16+75
 SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 10+75 05 TO STA. 16+75 53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	34
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



SIDEWALK CLOSED
 →
 USE OTHER SIDE
 R11-1102-2430

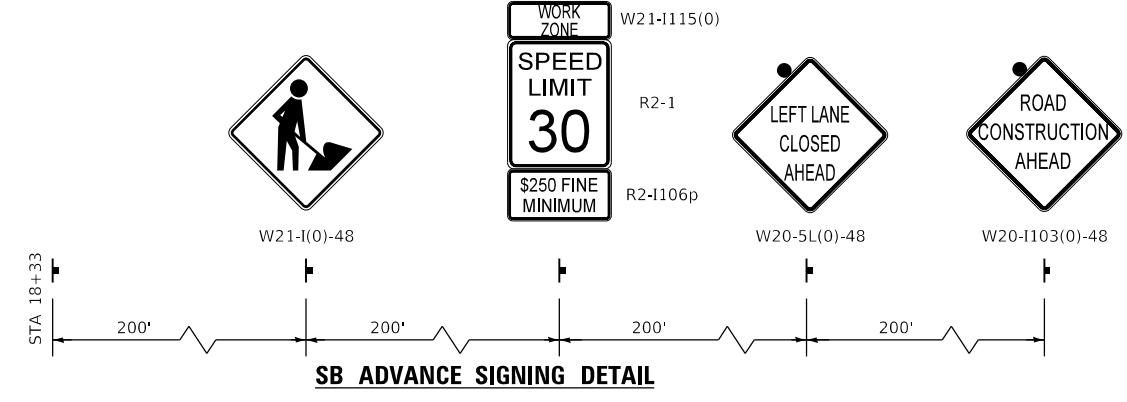
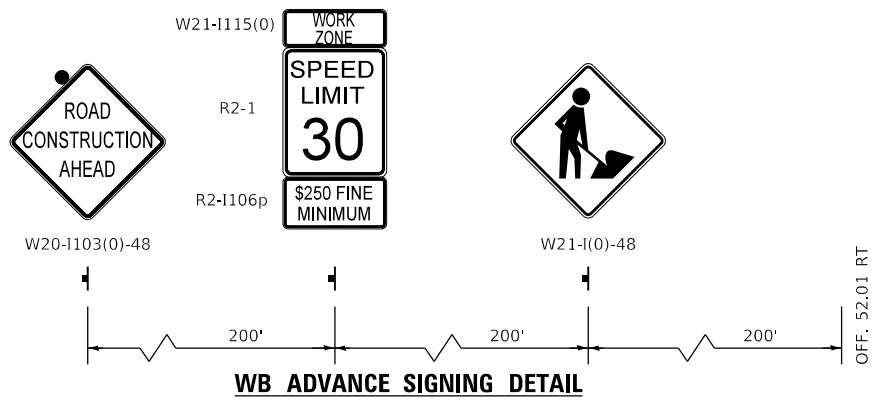


- LEGEND**
- DIRECTION OF TRAFFIC
 - STAGED WORK ZONE
 - CONSTRUCTION DRUMS
 - TYPE III BARRICADE
 - BARRICADE
 - ARROW BOARD
 - SIGN
 - IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE, NARROW) TEST LEVEL 3
 - DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
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- (A) TEMPORARY PAVEMENT MARKING LINE 4" - TYPE III TAPE (WHITE)
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- (H) TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE, 3' DASH - 9' SKIP (WHITE)
- (I) TEMPORARY PAVEMENT MARKING LINE 8" - TYPE III TAPE (WHITE)

SIDEWALK CLOSED
 R11-1101-2418

END WORK ZONE SPEED LIMIT
 G20-1103



NOTE:
 SIGN W21-I(0)-48 SHALL BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

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CHECKED - PJO	REVISED -	
DATE - 11/03/2021	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - STAGE 2
 FARNSWORTH AVE STA 16+75 TO STA 22+00
 SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 16+75 TO STA. 22+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	35
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

KDSWCD STANDARD NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS I THE ILLINOIS URBAN MANUAL LATEST EDITION.
2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION CONTROL AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
6. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FILED TILES OR STORMWATER STRUCTURES IS PROHIBITED.
7. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

GENERAL EROSION CONTROL NOTES

1. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
2. HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.
3. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
4. CONCRETE WASHOUT SHOULD BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHOULD NOT BE ALLOWED TO ENTER WATER BODIES, STORM SEWERS OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHOULD BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHOULD BE DESIGNATED WITH PROPER SIGNAGE. FAILURE TO COMPLY COULD RESULT IN A VIOLATION OF THE USACE PERMIT.
5. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
6. SOIL STOCKPILES SHALL NOT BE LOCATED IN WETLANDS, FLOODPLAINS, AREAS OF CONCENTRATED FLOW, OR WHERE THEY MAY CONTRIBUTE SEDIMENT TO STORMWATER FACILITIES.
7. ALL DEWATERING PROCEDURES SHALL FOLLOW THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 813 FOR DEWATERING. DEWATERING SHALL BE FREQUENTLY INSPECTED FOR EFFECTIVENESS.
8. ALL COFFERDAM PROCEDURES SHALL USE THE ILLINOIS URBAN MANUAL PRACTICE STANDARD 803 FOR COFFERDAM.
9. ALL DISTURBED GROUND UPLAND OF THE JURISDICTIONAL AREA SHALL BE PLACED IN A STABLE CONDITION OR PROVIDE DOWNSTREAM PROTECTION BY THE CONCLUSION OF THE WORK DAY.
10. THE CONDITION OF THE DOWNSTREAM END OF THE PROJECT SHALL BE A PRIORITY FOR ALL POST-STORM INSPECTIONS AND ADJUSTMENTS SHALL BE MADE IF THE CONDITION DOES NOT MEET THE EXPECTATION OF THE PERMIT.
11. CONTRACTOR TO REFER TO HYDRAULIC REPORT AND PROJECTED WEATHER FORECAST FOR ADDITIONAL STREAM INFORMATION (ESTIMATED FLOWS, WATER ELEVATIONS, STORM EVENTS AND DEPTHS).
12. BACKUP BMPs SHALL BE KEPT ON SITE TO IMPLEMENT IMMEDIATE CORRECTIONAL ACTION ITEMS FOLLOWING INSTANCES OF NON-COMPLIANCE.
13. ALL RIP-RAP SHALL BE CLEANED OF FINES PRIOR TO PLACEMENT INTO THE WATERWAY.
14. CONTRACTOR SHALL INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. LOCATIONS OF ENTRANCES SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. SEE DETAILS.
15. SESC PROTECTION DEVICES SHALL BE ORDERED IN ADVANCE TO AVOID BACKORDER COMPLICATIONS.
16. ALL SESC MEASURES MUST BE INSPECTED EVERY 7 CALENDAR DAYS AND AFTER 1/2" RAIN EVENTS.

GENERAL EROSION CONTROL NOTES (CONTINUED)

17. THE CONTRACTOR SHALL INCLUDE THE APPROPRIATE ILLINOIS URBAN MANUAL COFFERDAM DRAWING IN THE IN-STREAM WORK PLAN SUBMITTAL.
18. AN IN-STREAM WORK PLAN SHALL BE SUBMITTED FOR APPROVAL FROM KDSWCD PRIOR TO WORK WITHIN THE JURISDICTIONAL WATERWAY.

SUGGESTED EROSION CONTROL SEQUENCING

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEVELOPMENT OF THE EROSION CONTROL SEQUENCE PLAN FOR THE PROJECT.
2. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW FLOW OR NO FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
3. IT IS ANTICIPATED THAT THE USE OF COFFERDAM WILL BE REQUIRED FOR THE CONSTRUCTION OF THE CULVERT. THIS PAY ITEM IS INCLUDED WITHIN THE CONTRACT DOCUMENTS. THE COST SHALL COVER THE FOLLOWING ACTIVITIES IN ADDITION TO THE ITEMS IDENTIFIED BY SPECIFICATION:
 - a.) THE CONTRACTOR SHALL DESIGN A PLAN TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW PAST THE WORK AREA. THE CORPS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.
 - b.) WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS. EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
 - c.) THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANYTIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE COFFERDAM, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY WILL BE NECESSARY TO ENSURE EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
 - d.) IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING THE BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT LADEN AS A RESULT OF THE CONSTRUCTION ACTIVITIES.
 - e.) DURING DEWATERING OF THE COFFERDAM WORK AREA, ALL SEDIMENT LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BE RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. THE CONTRACTOR SHALL IDENTIFY A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY WITHIN THEIR EROSION CONTROL PLAN. DISCHARGE IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
 - f.) THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED TO ACCEPT FLOWS. THE SUBSTRATE AND TOE OF THE SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED OR PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED TO ACCEPT FLOWS.
4. LANDSCAPING AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE BASED ON THE CONTRACTORS SEQUENCE OF CONSTRUCTION.

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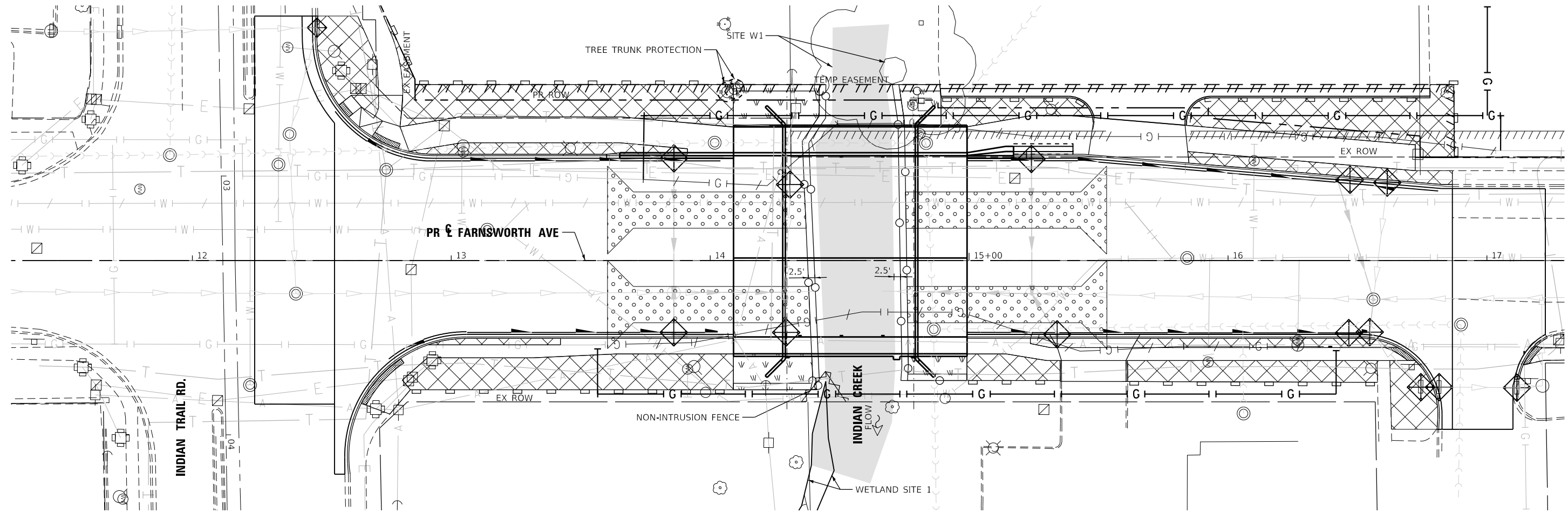
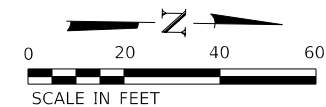
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		DRAWN - NPD	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










EROSION CONTROL GENERAL NOTES

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	36
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

-  PERIMETER EROSION BARRIER
-  PROPOSED WIRE BACK SILT FENCE (DOUBLE ROW)
(PAID FOR AS PERIMETER EROSION BARRIER, SPECIAL)
-  NON-INTRUSION FENCE
(PAID FOR AS TEMPORARY CHAIN LINK FENCE)
-  TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING
TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
-  STABILIZED CONSTRUCTION ENTRANCE
-  EXISTING WATER OF THE UNITED STATES (WOUS)
-  INLET FILTERS OR
INLET AND PIPE PROTECTION
-  TREE TRUNK PROTECTION

MODEL: Default
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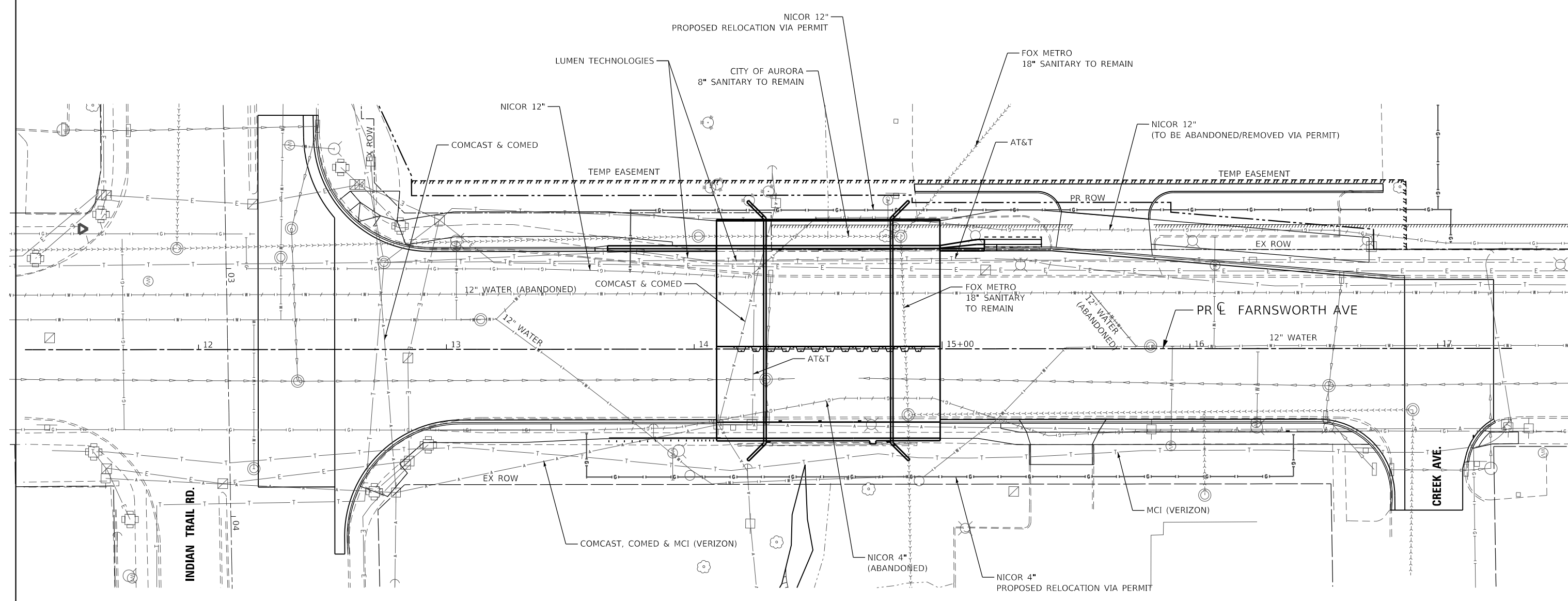
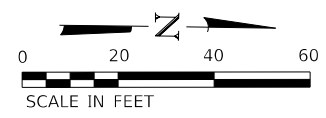
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PLOT DATE = 11/03/2021	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	37
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



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CHECKED - PJO	REVISED -	
DATE - 11/03/2021	REVISED -	

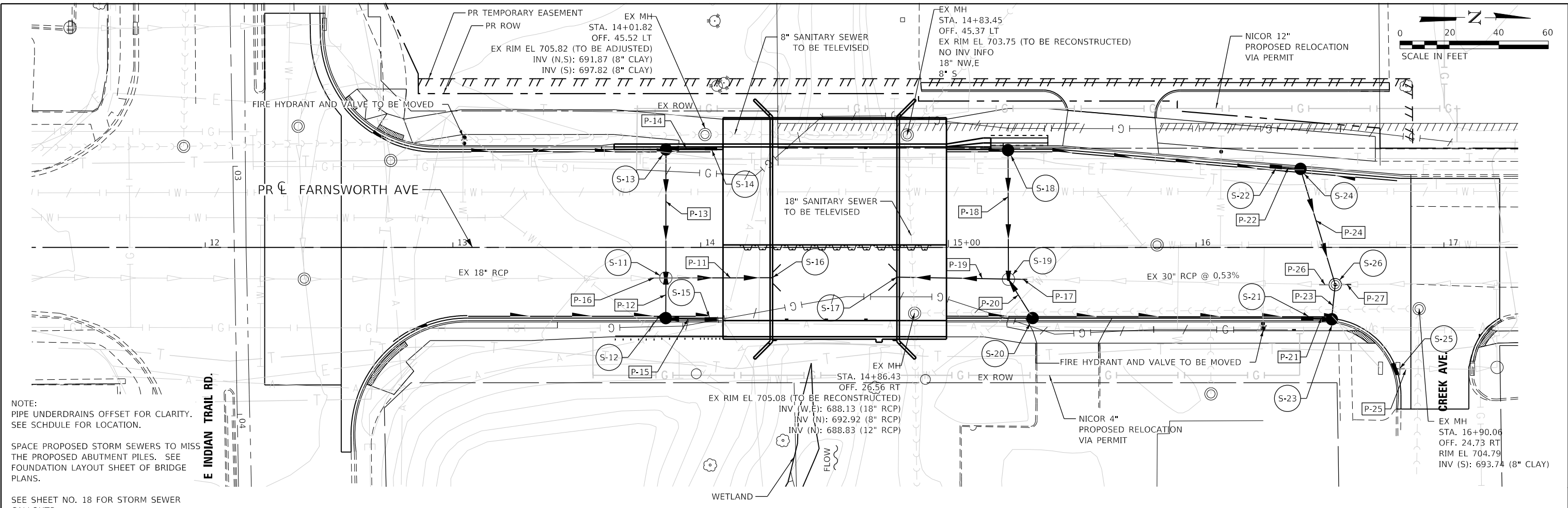
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING UTILITY PLAN

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	38
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	FILE NAME	
	FILE NO.	

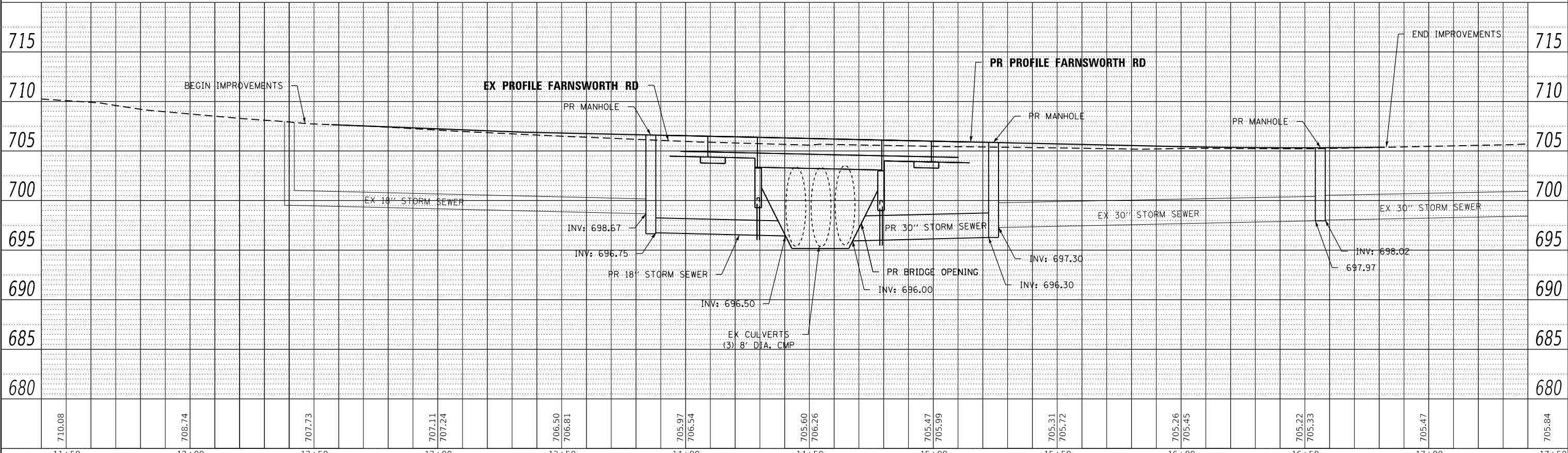


NOTE:
PIPE UNDERDRAINS OFFSET FOR CLARITY.
SEE SCHEDULE FOR LOCATION.

SPACE PROPOSED STORM SEWERS TO MISS
THE PROPOSED ABUTMENT PILES. SEE
FOUNDATION LAYOUT SHEET OF BRIDGE
PLANS.

SEE SHEET NO. 18 FOR STORM SEWER
CALLOUTS.

PROFILE	SURVIVED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	FILE NAME	
	FILE NO.	



710.08	708.74	707.73	707.11 707.24	706.50 706.81	705.97 706.54	705.60 706.26	705.47 705.99	705.31 705.72	705.26 705.45	705.22 705.33	705.47	705.84
11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50



USER NAME = ndauer	DESIGNED - EJD	REVISED -
	DRAWN - NPD	REVISED -
PLOT SCALE = 1"=20'	CHECKED - PJO	REVISED -
PLOT DATE = 11/3/2021	DATE - 11/3/2021	REVISED -

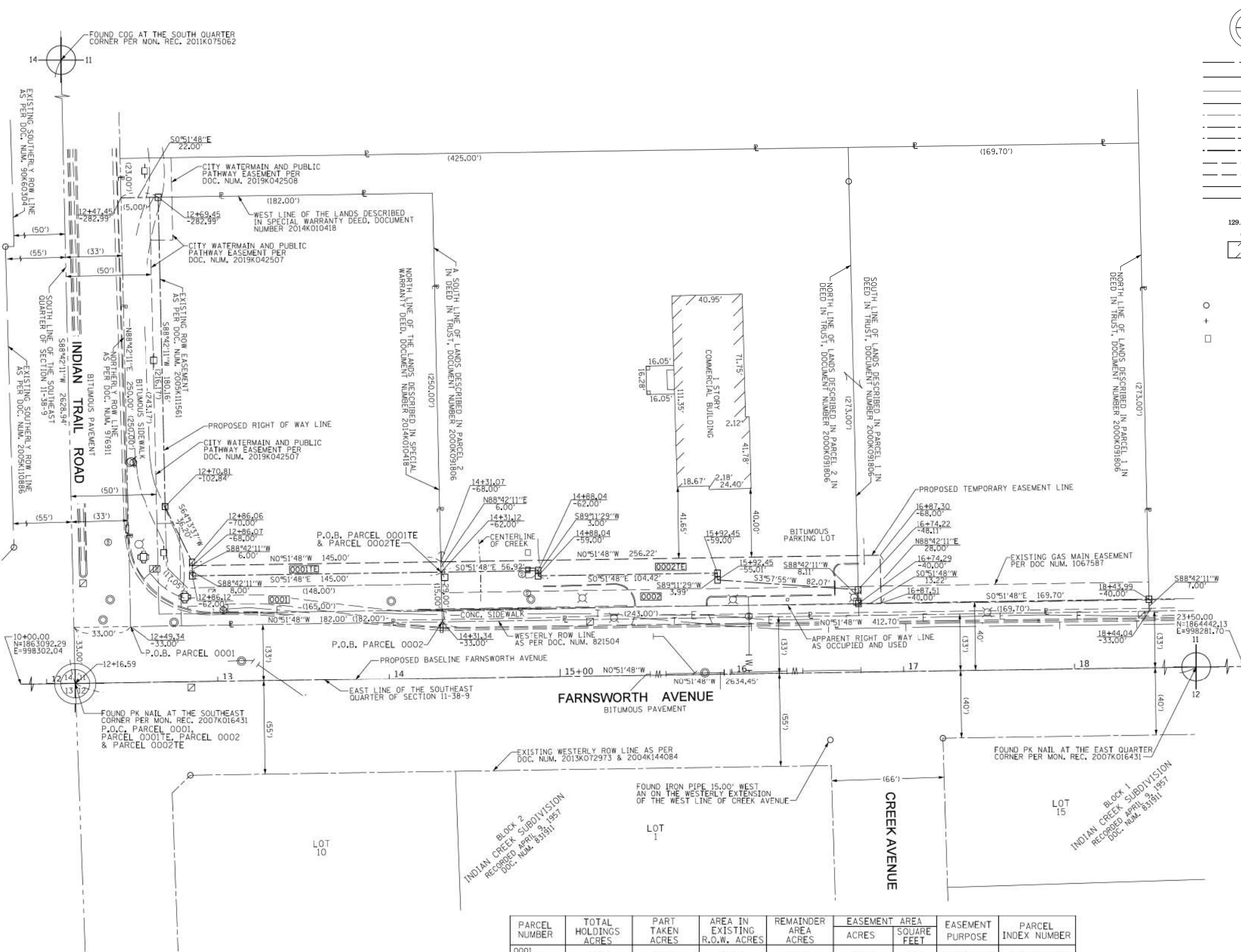
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	39
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

PART OF THE SE 1/4 OF SECTION 11, TWP. 38 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

- SECTION / QUARTER SECTION LINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APPARENT PROPERTY LINE
 - EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - EXISTING EASEMENT
 - PROPOSED EASEMENT
 - EXISTING ACCESS CONTROL LINE
 - PROPOSED ACCESS CONTROL LINE
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORDED DIMENSION
 - EXISTING BUILDING
- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - RIGHT OF WAY STAKING PROPOSED TO BE SET
 - "MAG" NAIL SET
 - 5/8" REBAR SET

TOPO LEGEND

- POWER POLE
- LIGHT POLE
- HANDHOLE
- TRAFFIC SIGNAL
- FIRE HYDRANT
- UTILITY VALVE
- SIGN
- MANHOLE
- CATCH BASIN
- INLET



STATE OF ILLINOIS)
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, DOUGLAS G. MASSEY, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PARCEL PLAT SHOWN HEREON IN SECTION 11, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE CITY OF AURORA, STATE OF ILLINOIS.

DATED AT NAPERVILLE, ILLINOIS THIS 4TH DAY OF AUGUST, 2021 A.D.

Douglas G. Massey
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3685
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022
FIELD WORK COMPLETED: JULY 26, 2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PLAT OF HIGHWAYS
CITY OF AURORA
INDIAN TRAIL ROAD AND FARNSWORTH AVENUE

LIMITS: COUNTY: KANE
SECTION: 18-00324-00-BR JOB NO.: R-55-001-97
STATION: 12+47.45 TO STATION: 18+44.04
SCALE: 1" = 30' SHEET 1 OF 1

CITY OF AURORA
PUBLIC WORKS/ENGINEERING
44 EAST DOWNER PLACE
AURORA, IL 60507

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PARCEL INDEX NUMBER
					ACRES	SQUARE FEET		
0001	1.044	0.241	0.208	0.803	0.020	870	CONSTRUCTION	15-11-476-005
0002	1.619	0.162	0.066	1.457	0.068	2954	CONSTRUCTION	15-11-476-007 15-11-476-010

NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID NOT GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999447.
4. SUBJECT TO ORDINANCES, IF ANY, PER THE FOLLOWING DOCUMENT NUMBERS: 1090399 AND 1164151.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: REVISION: MADE BY:



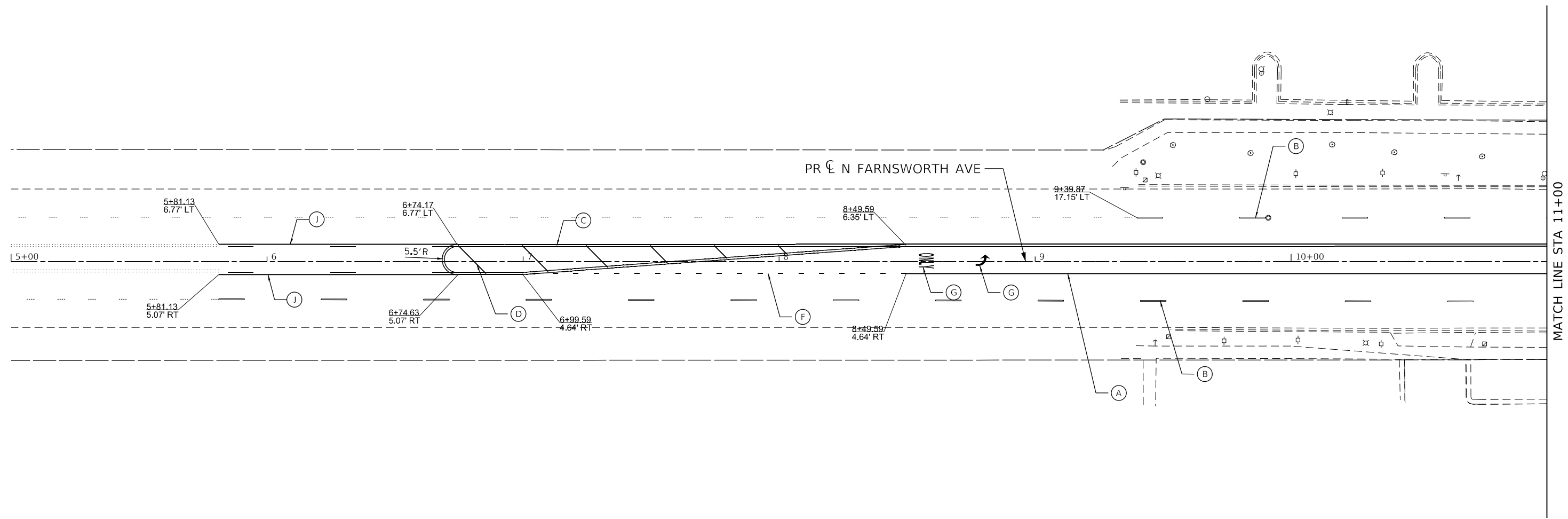
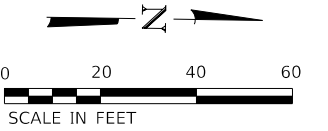
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PLOT DATE = 11/03/2021	CHECKED - KJN	REVISED -
	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
SCALE: NTS SHEET 1 OF 1 SHEETS STA. 12+16.59 TO STA. 18+44.04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	40
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

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LEGEND

- (A) MODIFIED URETHANE PAVEMENT MARKING LINE 4" (WHITE)
- (B) MODIFIED URETHANE PAVEMENT MARKING LINE 4", 10' DASH, 30' SKIP (WHITE)
- (C) MODIFIED URETHANE PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) MODIFIED URETHANE PAVEMENT MARKING LINE 12" (YELLOW)
- (E) MODIFIED URETHANE PAVEMENT MARKING LINE 24" (WHITE)
- (F) MODIFIED URETHANE PAVEMENT MARKING LINE 4", 2' DASH - 6' SKIP (WHITE)
- (G) MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS
- (H) MODIFIED URETHANE PAVEMENT MARKING LINE 6" (WHITE)
- (I) MODIFIED URETHANE PAVEMENT MARKING LINE 12" (WHITE)
- (J) MODIFIED URETHANE PAVEMENT MARKING LINE 2-WAY LEFT TURN 4" (YELLOW)

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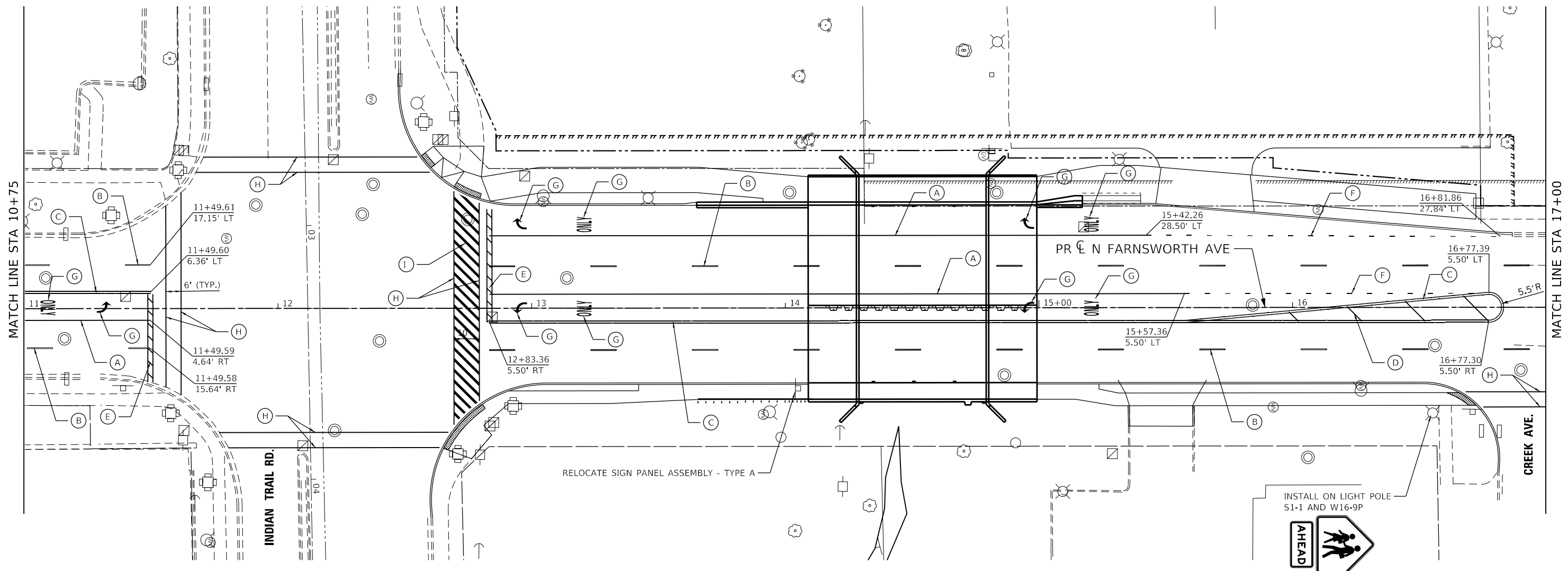
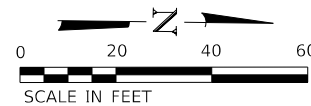
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PLOT DATE = 11/3/2021	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN AND SIGNAGE PLAN
FARNSWORTH AVE STA 5+00 TO STA 11+00

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 5+00.05 TO STA. 11+00.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	41
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) MODIFIED URETHANE PAVEMENT MARKING LINE 4" (WHITE)
- (B) MODIFIED URETHANE PAVEMENT MARKING LINE 4", 10' DASH, 30' SKIP (WHITE)
- (C) MODIFIED URETHANE PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) MODIFIED URETHANE PAVEMENT MARKING LINE 12" (YELLOW)
- (E) MODIFIED URETHANE PAVEMENT MARKING LINE 24" (WHITE)
- (F) MODIFIED URETHANE PAVEMENT MARKING LINE 4", 2' DASH - 6' SKIP (WHITE)
- (G) MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS
- (H) MODIFIED URETHANE PAVEMENT MARKING LINE 6" (WHITE)
- (I) MODIFIED URETHANE PAVEMENT MARKING LINE 12" (WHITE)
- (J) MODIFIED URETHANE PAVEMENT MARKING LINE 2-WAY LEFT TURN 4" (YELLOW)

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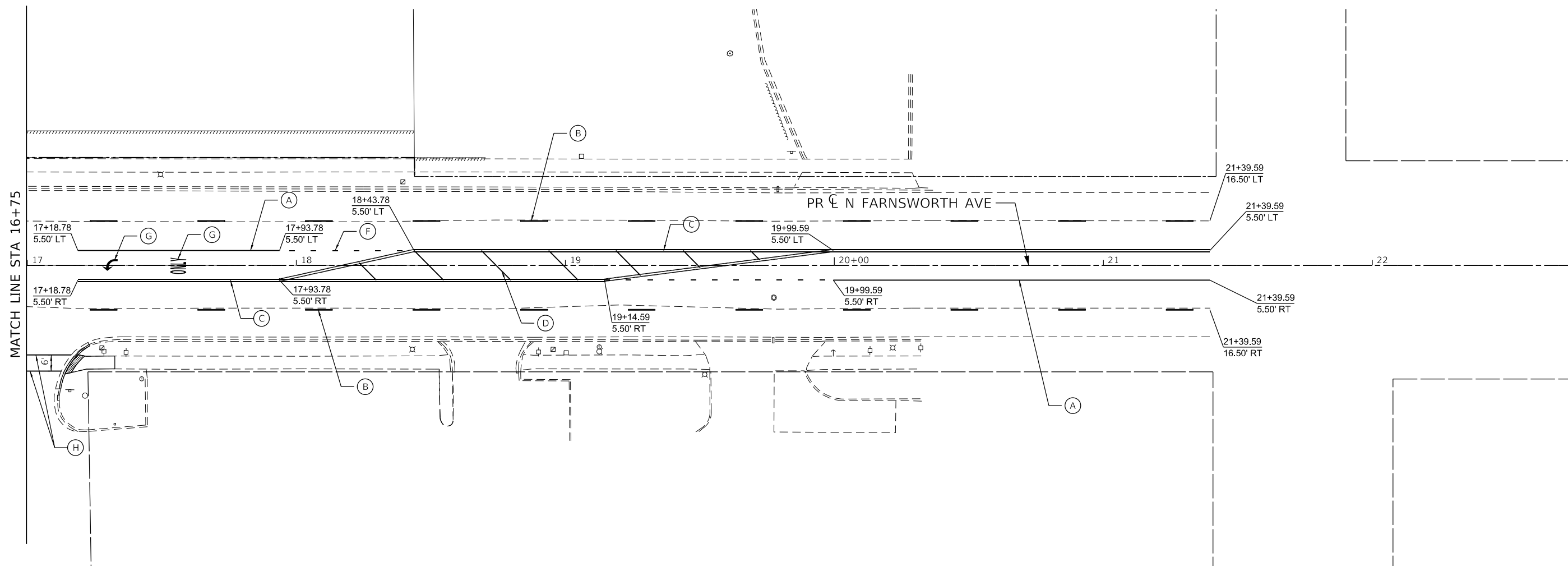
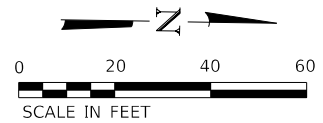


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	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN AND SIGNAGE PLAN
FARNSWORTH AVE STA 11+00 TO STA 17+00
 SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 11+00.05 TO STA. 17+00.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	42
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



LEGEND

- (A) MODIFIED URETHANE PAVEMENT MARKING LINE 4" (WHITE)
- (B) MODIFIED URETHANE PAVEMENT MARKING LINE 4", 10' DASH, 30' SKIP (WHITE)
- (C) MODIFIED URETHANE PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) MODIFIED URETHANE PAVEMENT MARKING LINE 12" (YELLOW)
- (E) MODIFIED URETHANE PAVEMENT MARKING LINE 24" (WHITE)
- (F) MODIFIED URETHANE PAVEMENT MARKING LINE 4", 2' DASH - 6' SKIP (WHITE)
- (G) MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS
- (H) MODIFIED URETHANE PAVEMENT MARKING LINE 6" (WHITE)
- (I) MODIFIED URETHANE PAVEMENT MARKING LINE 12" (WHITE)
- (J) MODIFIED URETHANE PAVEMENT MARKING LINE 2-WAY LEFT TURN 4" (YELLOW)

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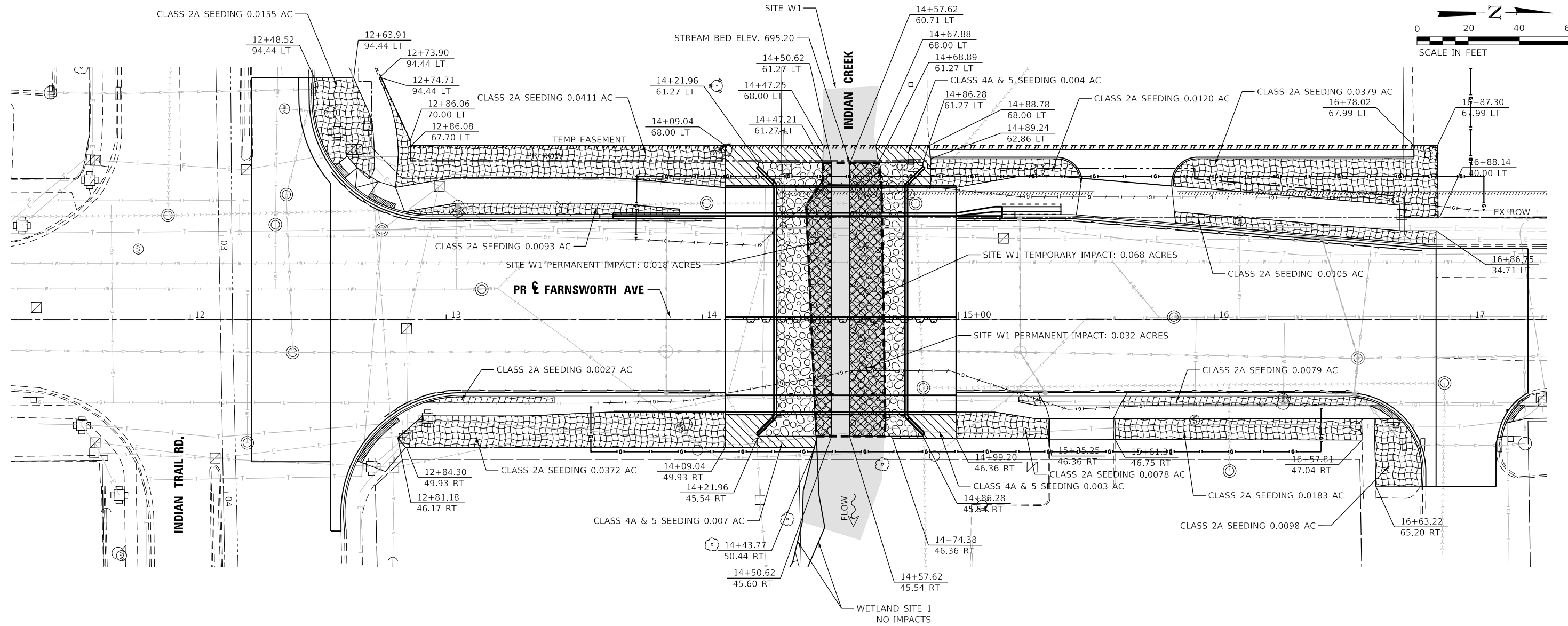


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





STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN FARNSWORTH AVE STA 17+00 TO STA 22+00			
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS	STA. 17+00.05	TO STA. 22+00.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	43
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



LANDSCAPING & PERMANENT EROSION CONTROL LEGEND

-  EROSION CONTROL BLANKET (SPECIAL)
SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
-  HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
SEEDING, CLASS 4A (MODIFIED)
SEEDING, CLASS 5
TOPSOIL FURNISH AND PLACE, 4"
-  STONE RIPRAP
FILTER FABRIC (SEE STRUCTURAL PLANS FOR DETAILS)
-  EXISTING WATER OF THE UNITED STATES (WOUS)
-  AREA OF PERMANENT IMPACT
-  AREA OF TEMPORARY IMPACT

MODEL: Default
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PLOT DATE = 11/03/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	44
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

MODEL: Default
FILE NAME: ...:\Signals\10689-TS-01.dgn



USER NAME = ndauer	DESIGNED - AR	REVISED -
	DRAWN - AR	REVISED -
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PLOT DATE = 12/7/2021	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

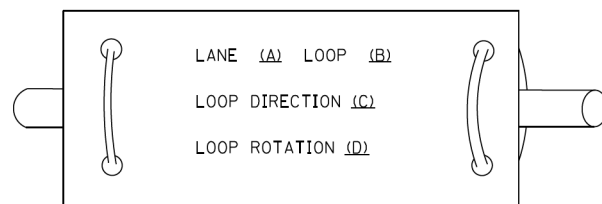
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	45
TS-05		CONTRACT NO. 61H40		
ILLINOIS FED. AID PROJECT				

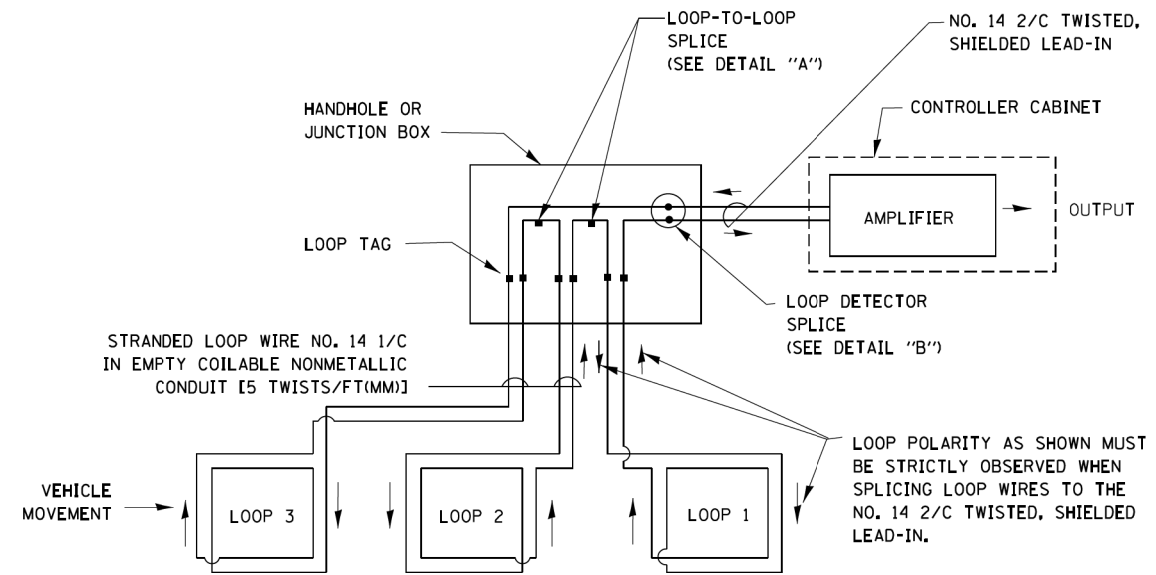
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

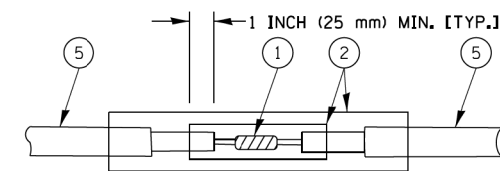


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

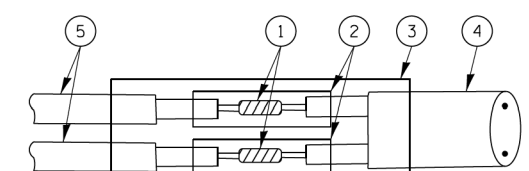


DETECTOR LOOP WIRING SCHEMATIC

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

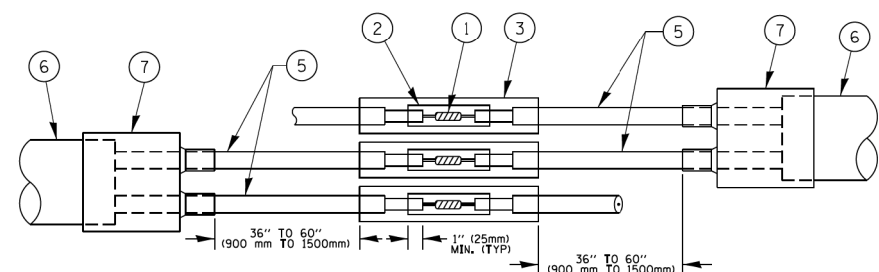


DETAIL "A"
LOOP-TO-LOOP SPLICE

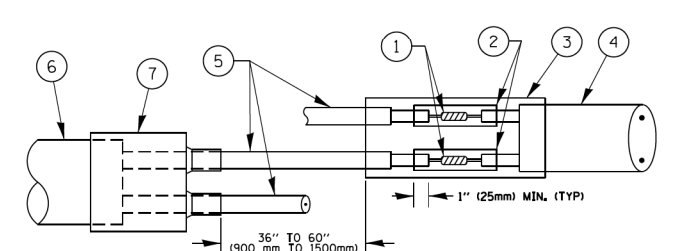


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

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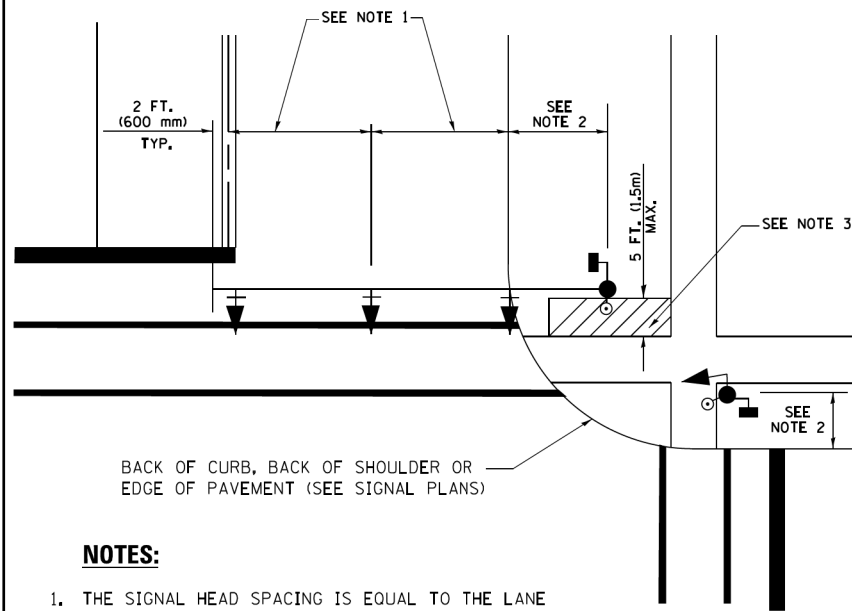
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

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TS-05	CONTRACT NO. 61H40			
ILLINOIS FED. AID PROJECT				

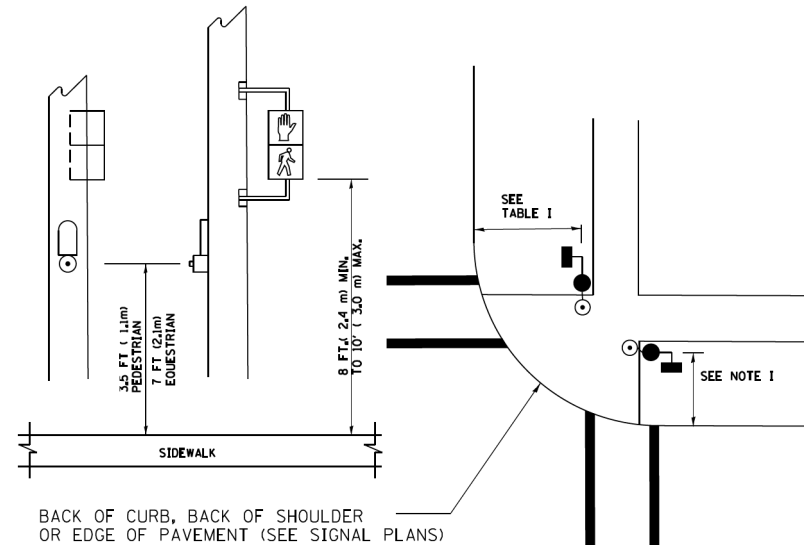
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

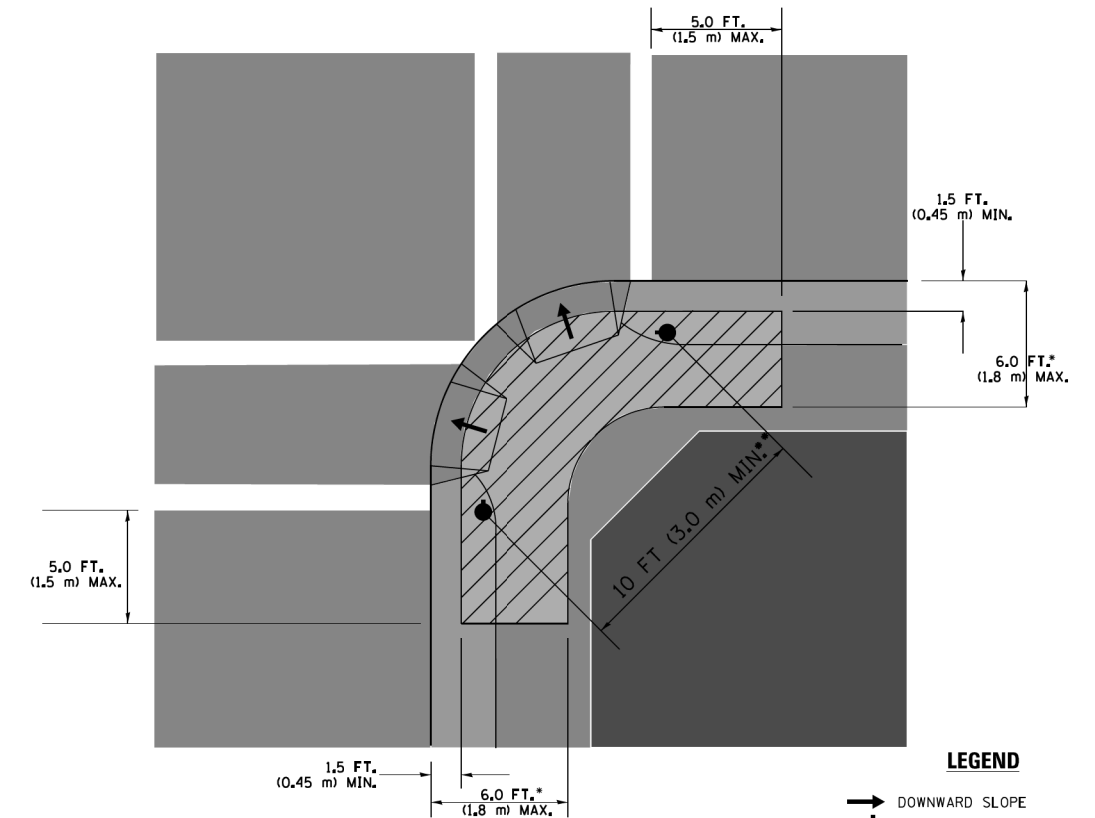
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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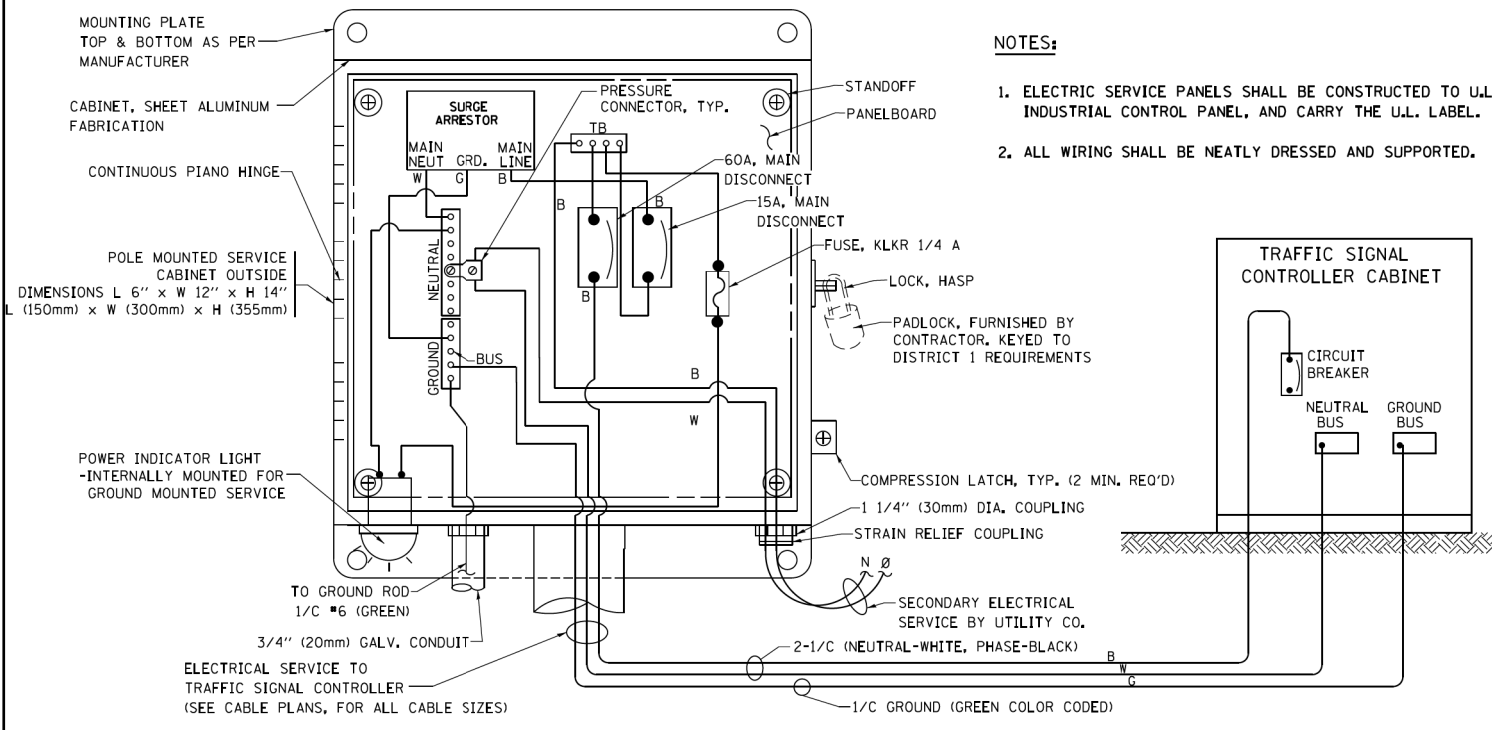
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

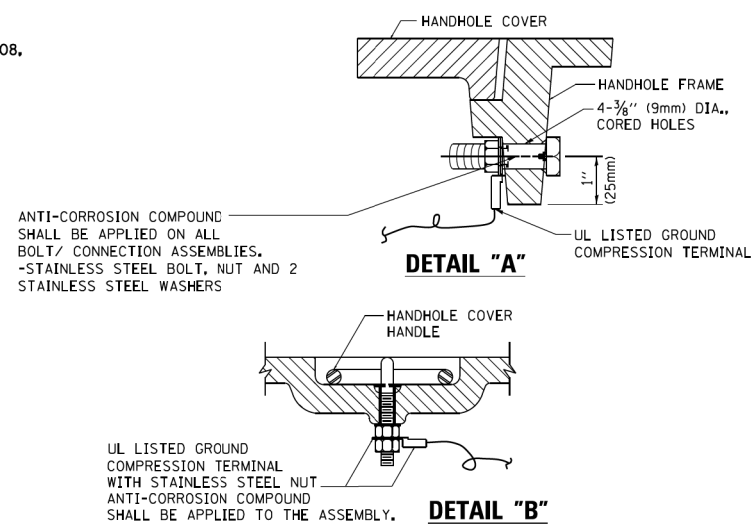
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05	CONTRACT NO. 61H40			
ILLINOIS FED. AID PROJECT				

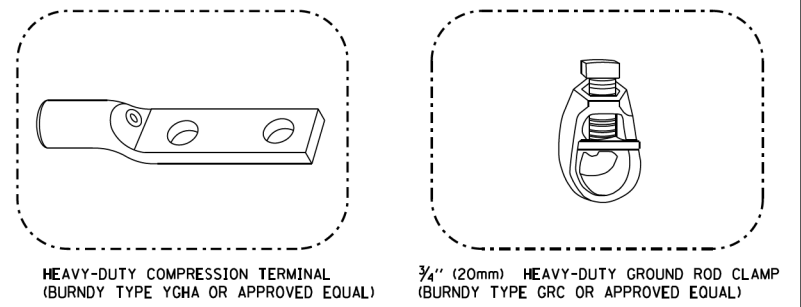
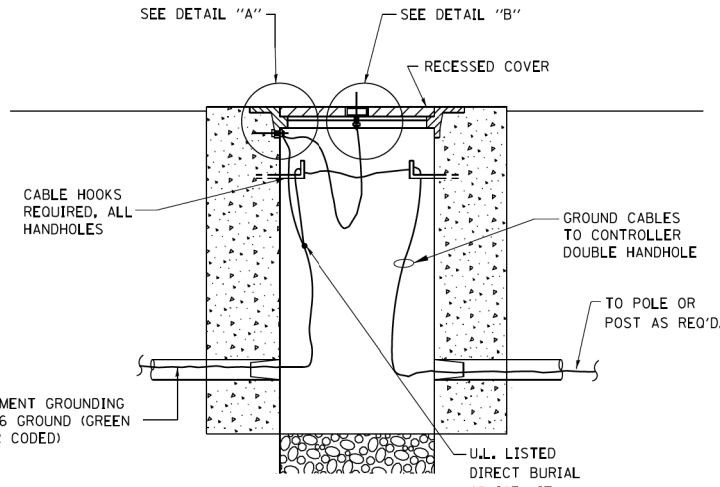


- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



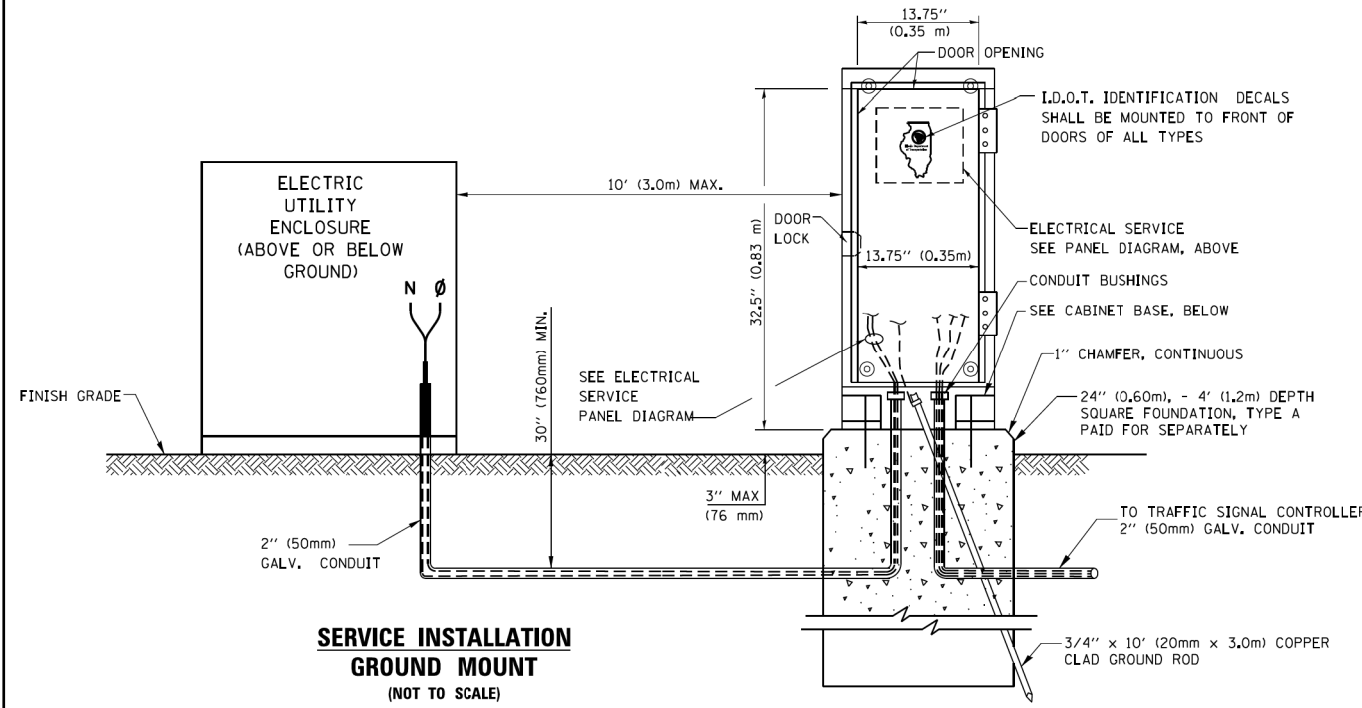
- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED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

ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

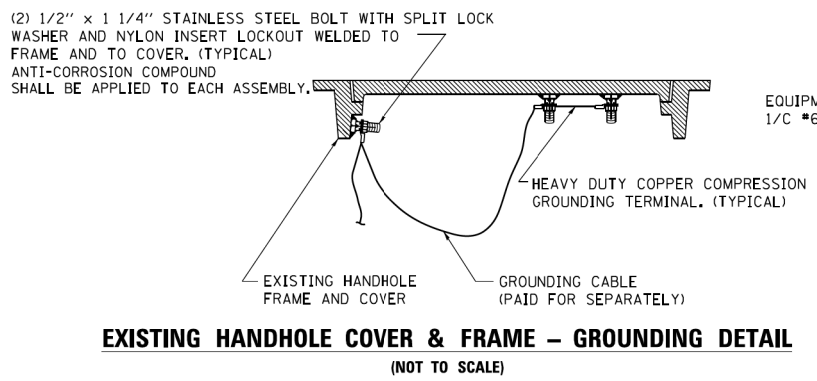


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

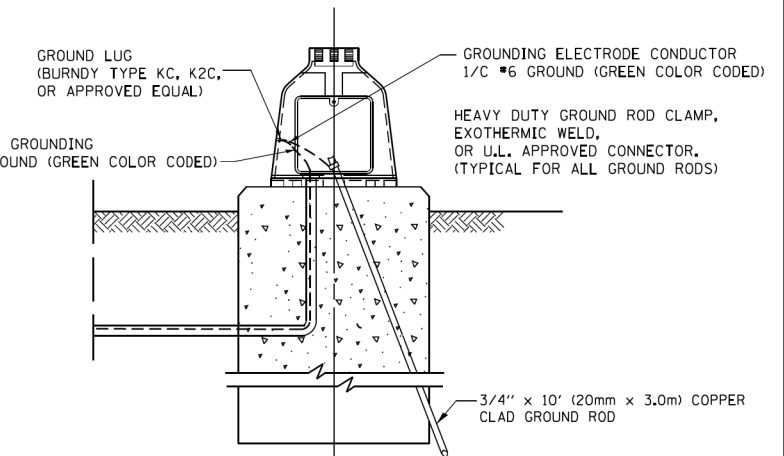
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



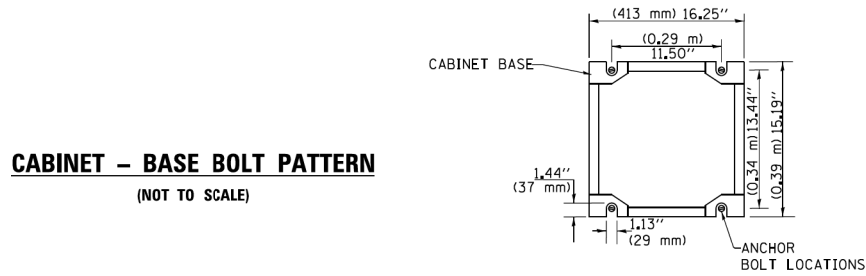
SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



CABINET - BASE BOLT PATTERN (NOT TO SCALE)

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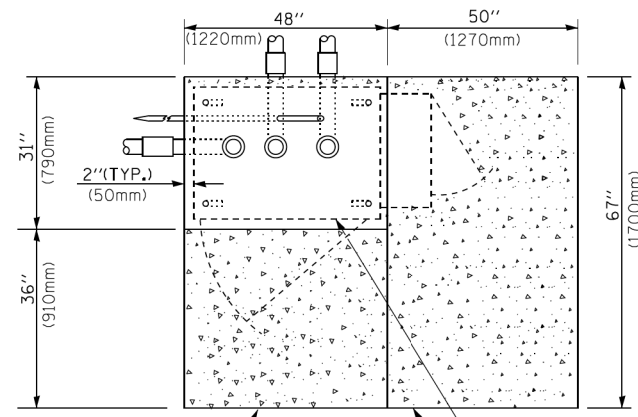
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

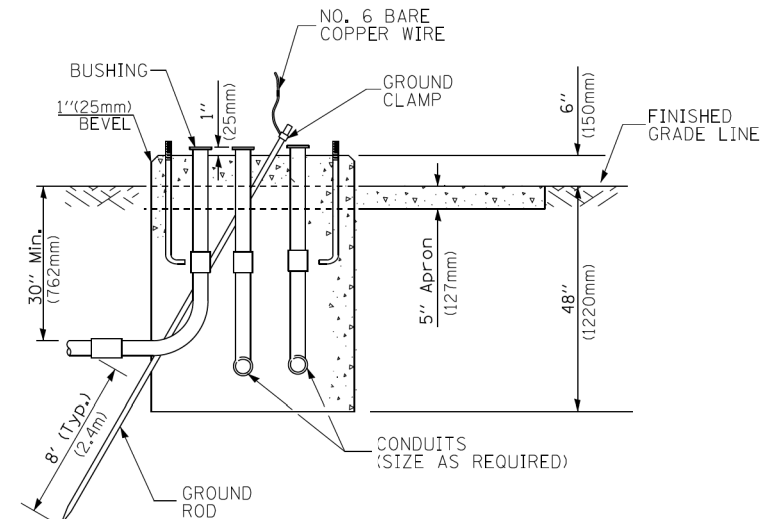
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

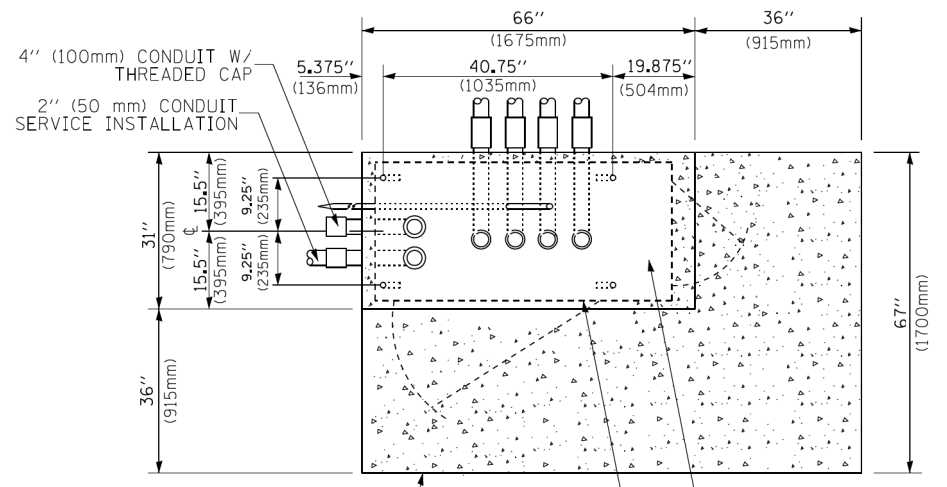
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360	18-00324-00-BR	KANE	124	48
TS-05	CONTRACT NO. 61H40			
ILLINOIS FED. AID PROJECT				



TOP VIEW

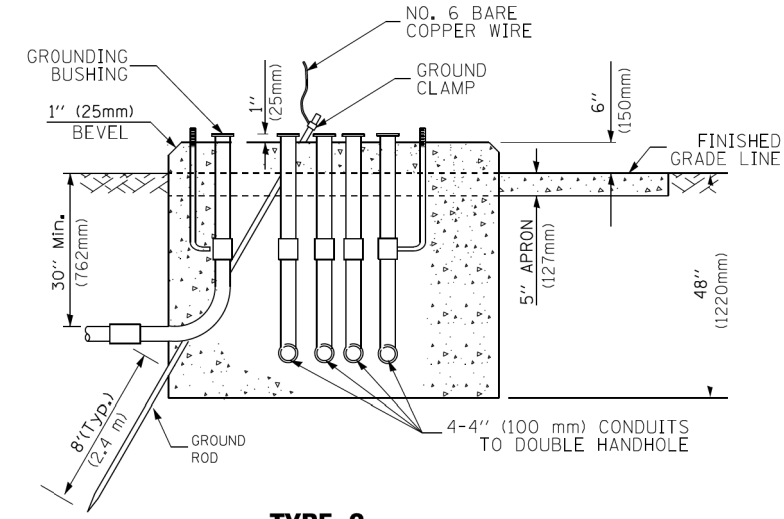


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

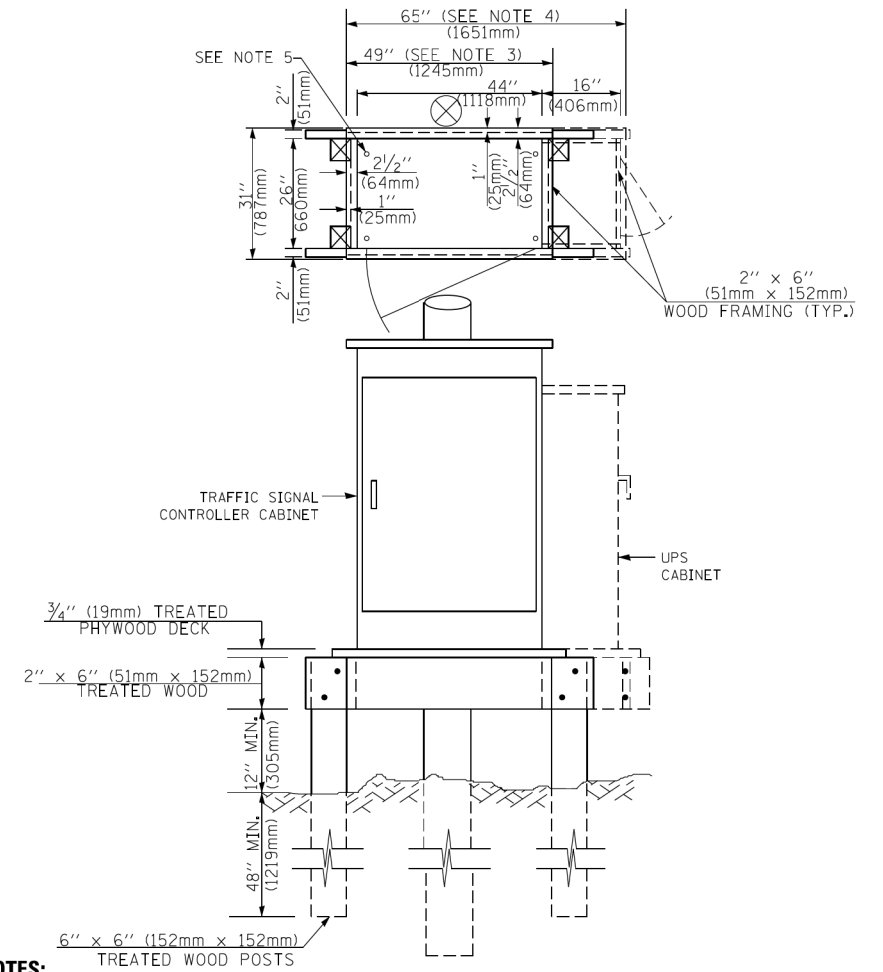


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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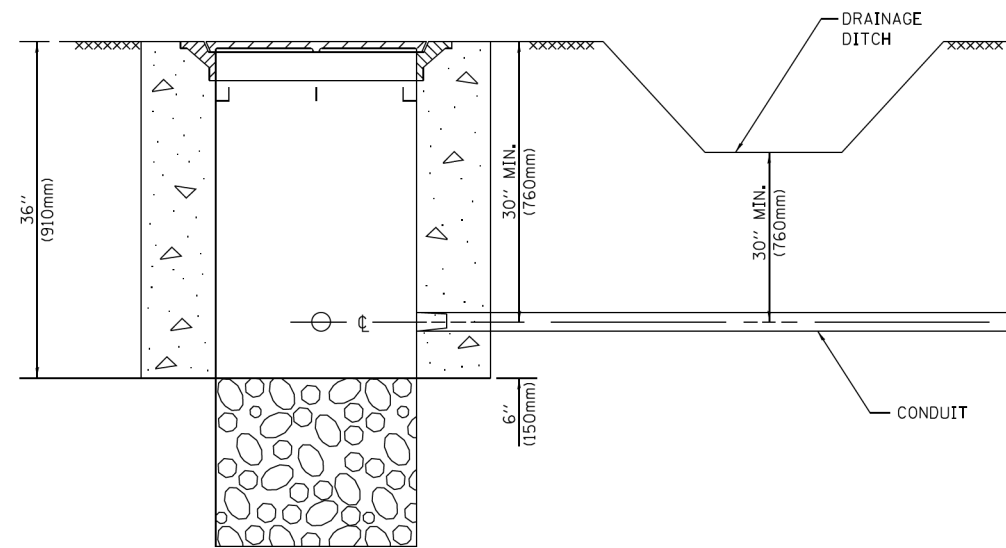
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	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

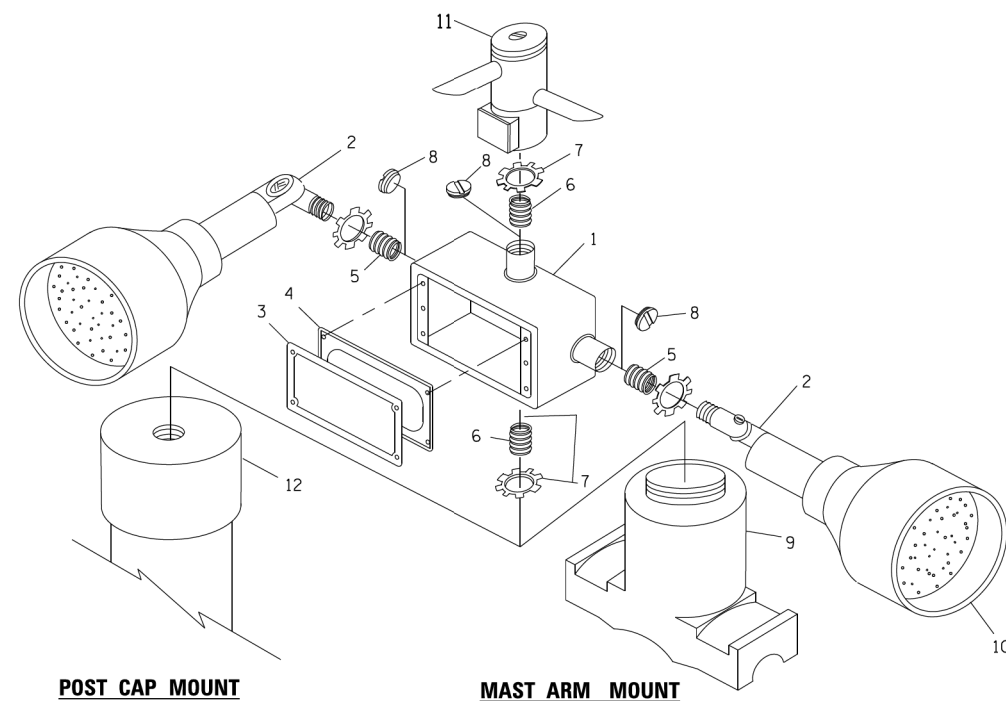
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	49
TS-05			CONTRACT NO. 61H40	
ILLINOIS FED. AID PROJECT				



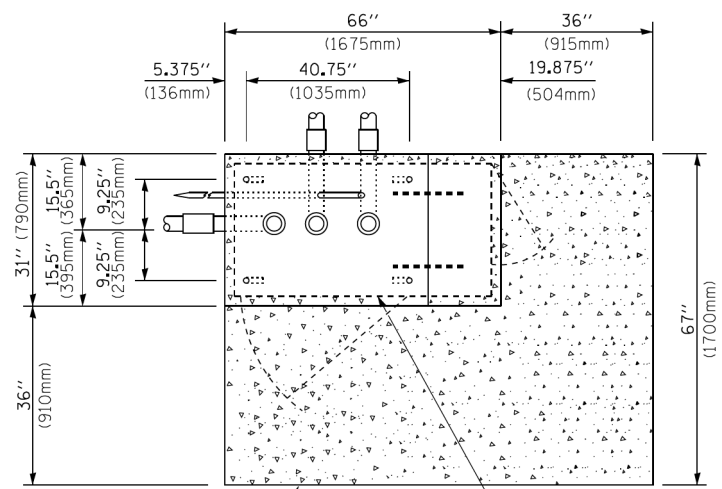
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

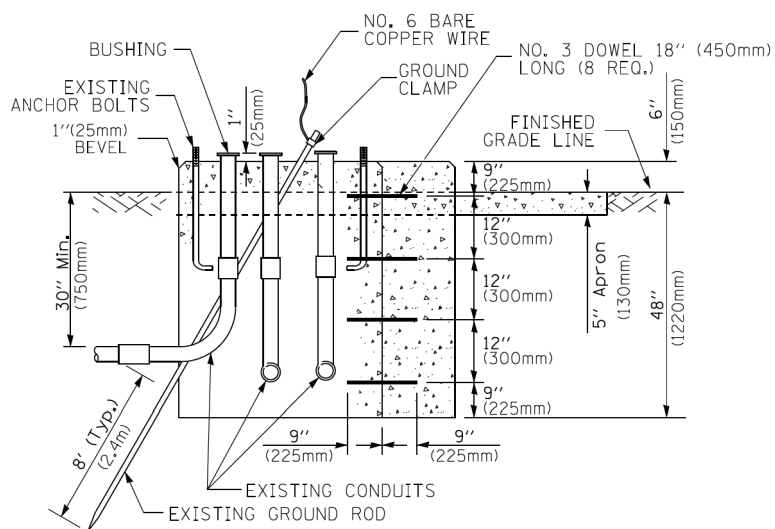
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

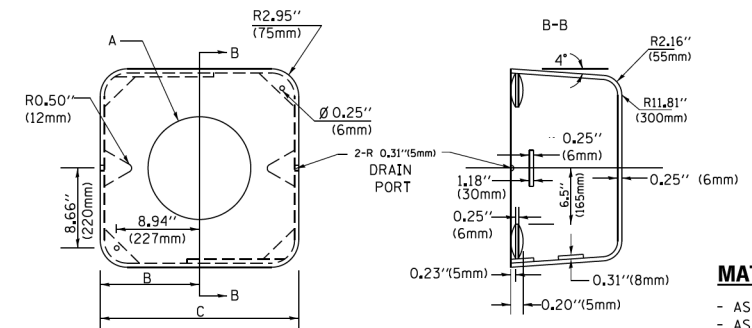


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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



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

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

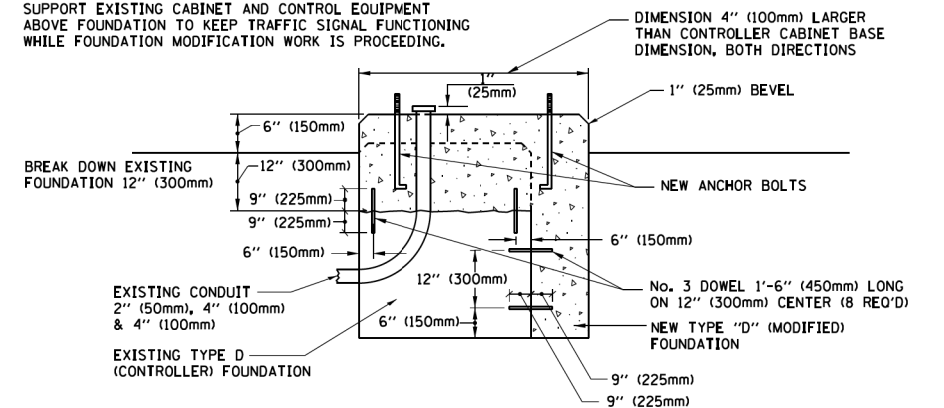
SHROUD

NOTES:

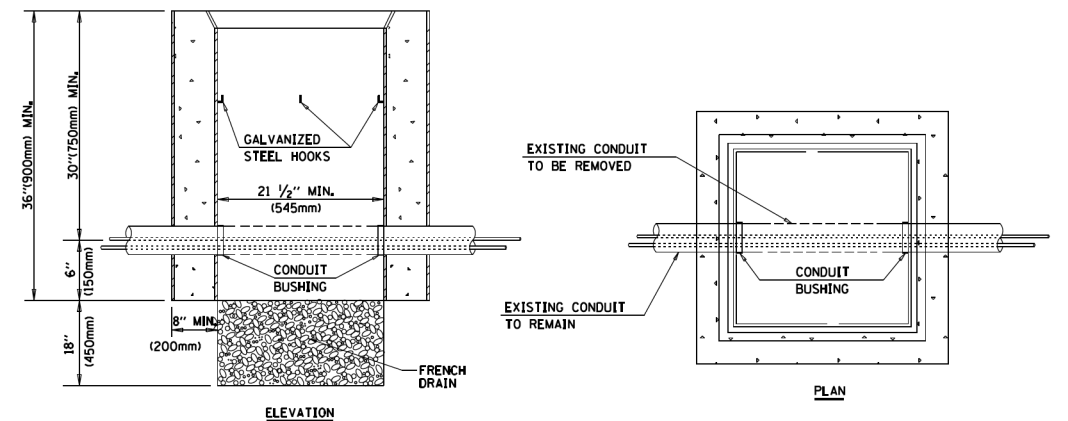
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 8:4001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: Default
FILE NAME: ...:\signals\10689-TS-06.dgn



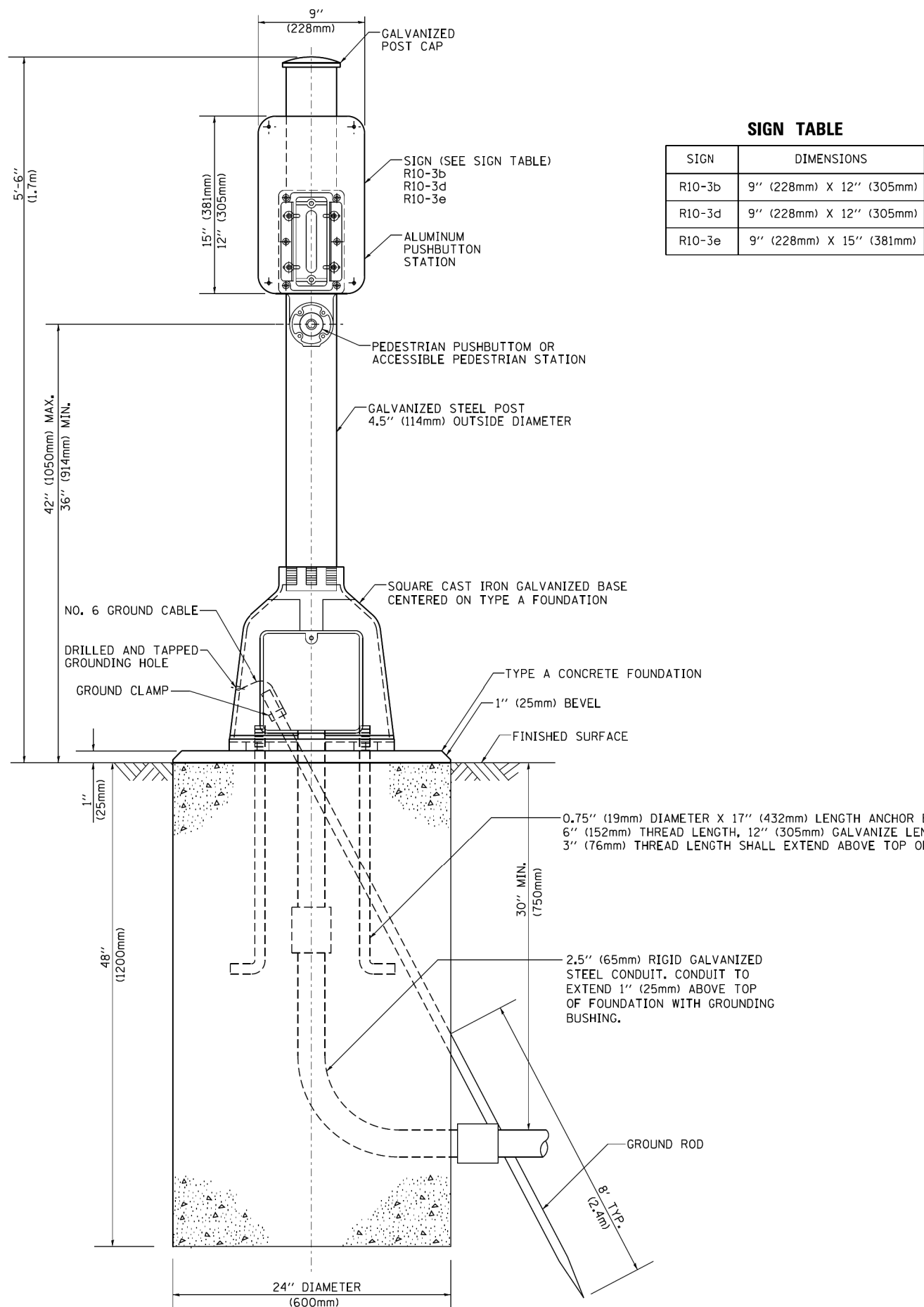
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

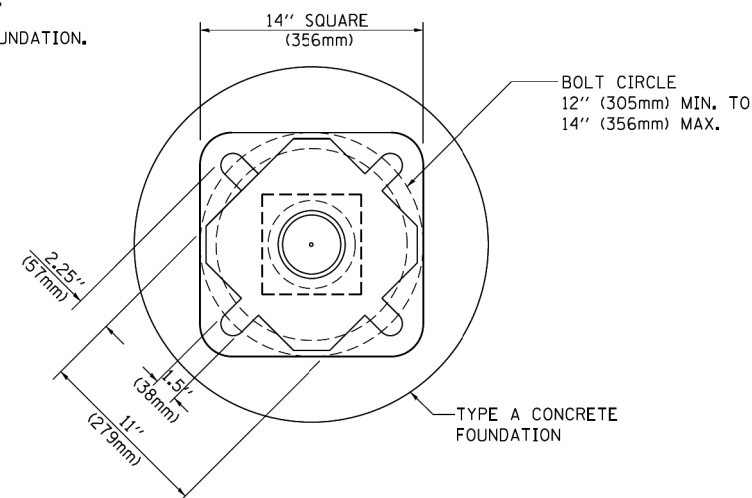
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	50
TS-05	CONTRACT NO. 61H40			
ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

MODEL: Default
FILE NAME: ...:\signals\10689-TS-07.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

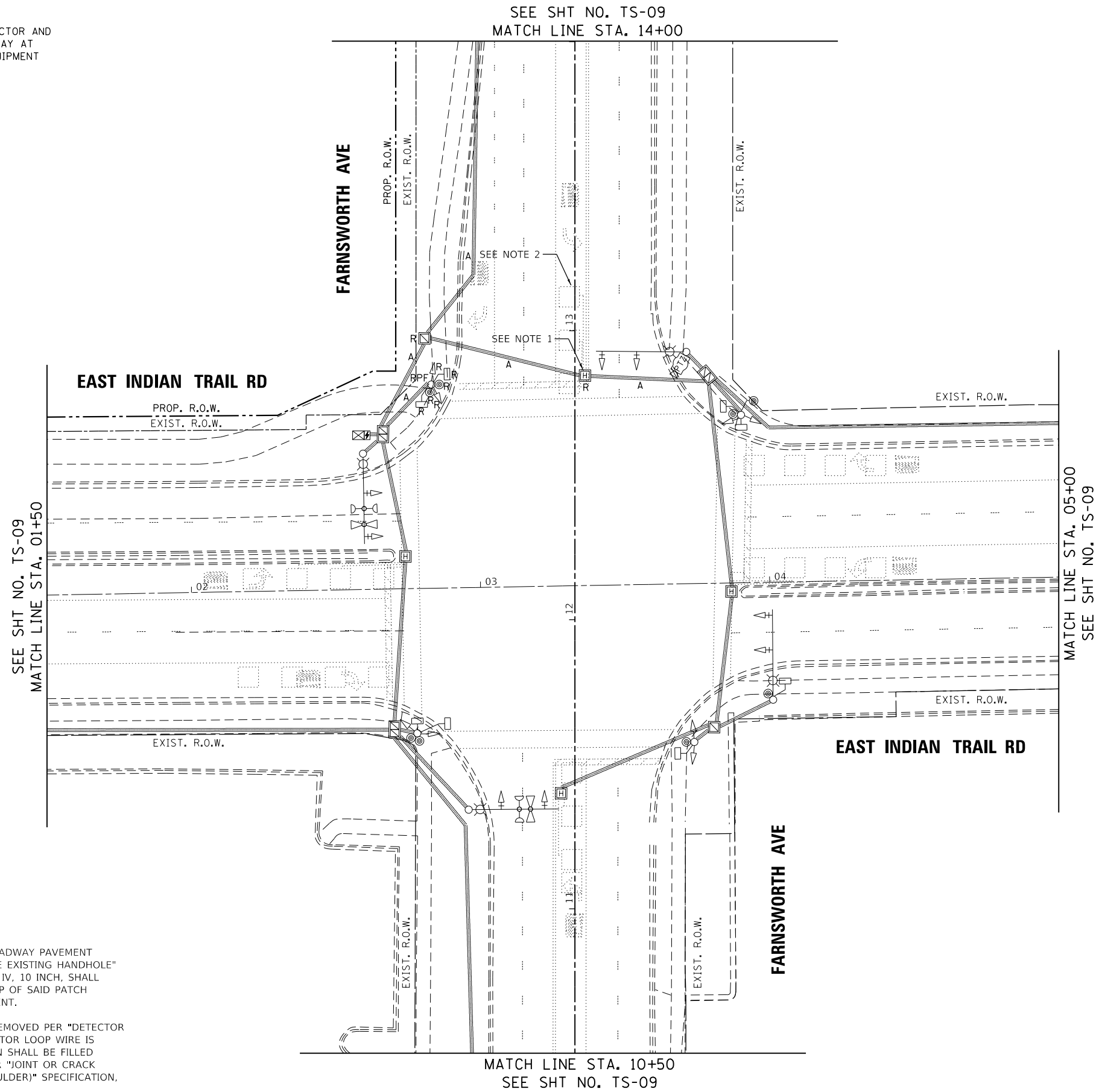
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	51
TS-05		CONTRACT NO. 61H40		
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

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

- 1 EACH TRAFFIC SIGNAL POST
- 2 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION



NOTES:

1. EXISTING HEAVY DUTY HANDHOLE ON THE ROADWAY PAVEMENT SHALL BE REMOVED AND FILLED PER "REMOVE EXISTING HANDHOLE" SPECIFICATION. THEN A CLASS B PATCH, TYPE IV, 10 INCH, SHALL BE USED AS A PAVEMENT PATCH AND THE TOP OF SAID PATCH SHALL BE FLUSH WITH THE ROADWAY PAVEMENT.
2. EXISTING DETECTOR LOOP WIRES SHALL BE REMOVED PER "DETECTOR LOOP REMOVAL" SPECIFICATION. AFTER DETECTOR LOOP WIRE IS REMOVED, ALL PAVEMENT VOIDS THAT REMAIN SHALL BE FILLED EITHER PER "CRACK ROUTING (PAVEMENT)" OR "JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)" SPECIFICATION, DEPENDING ON THE TYPE OF PAVEMENT.

MODEL: Default
FILE NAME: ... \Signals\18669-TS-08.dgn



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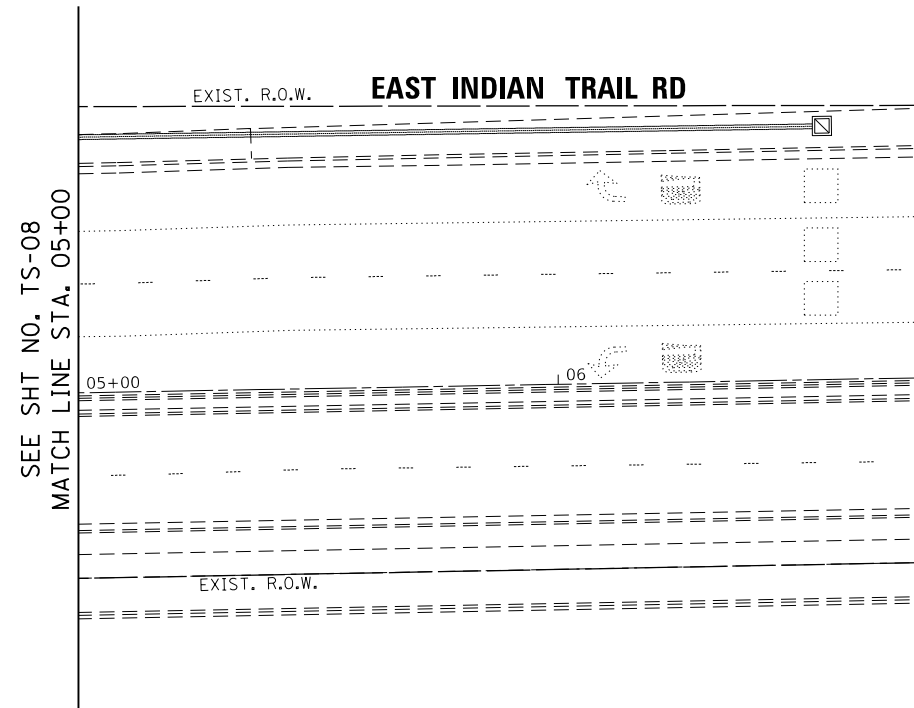
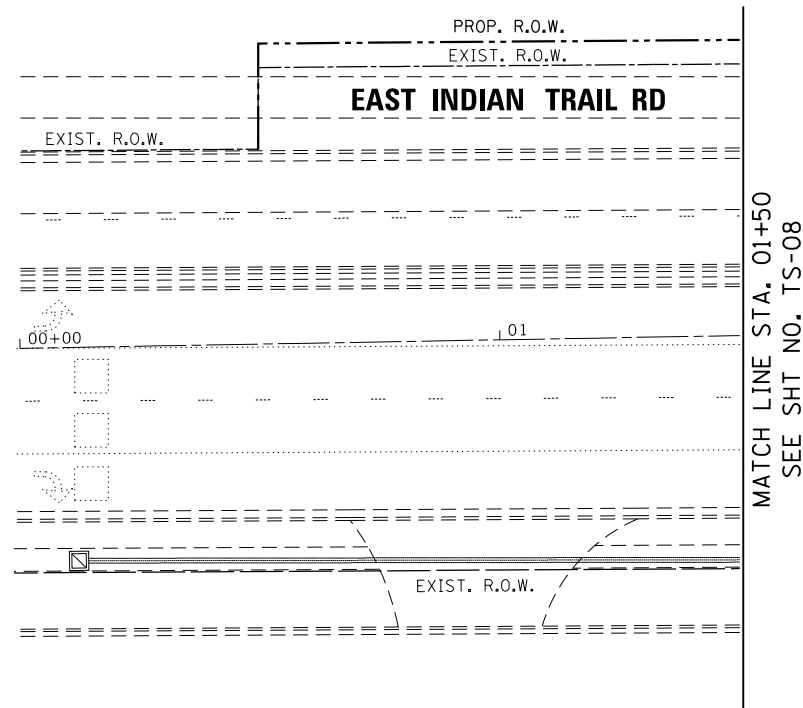
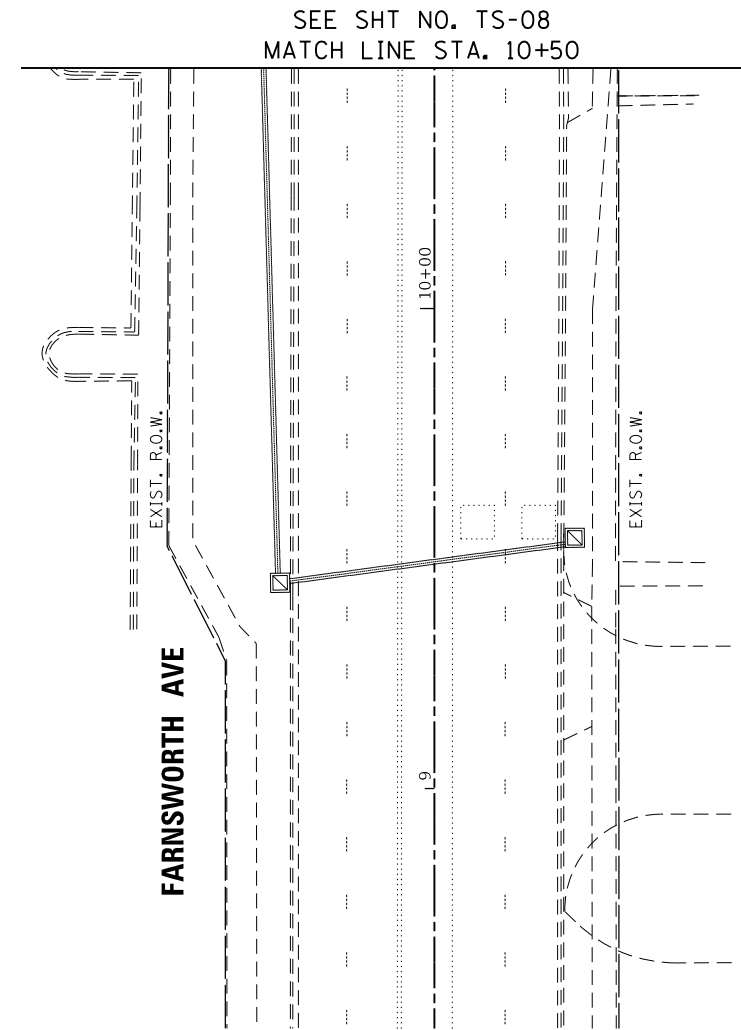
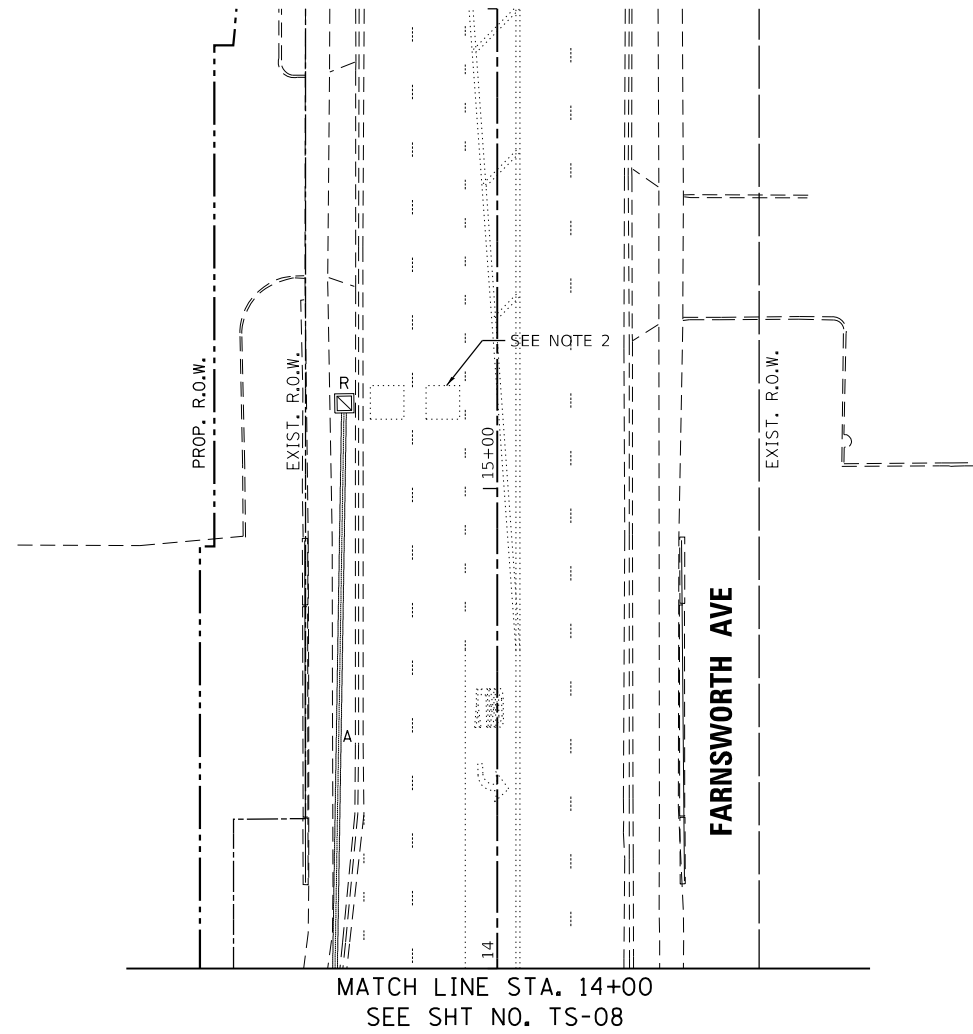
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
(SHEET 1 OF 2)
FARNSWORTH AVE AT INDIAN TRAIL RD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	52
CONTRACT NO. 61H40			ILLINOIS FED. AID PROJECT	





MODEL: Default
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PLOT DATE = 12/7/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
(SHEET 2 OF 2)
FARNSWORTH AVE AT INDIAN TRAIL RD

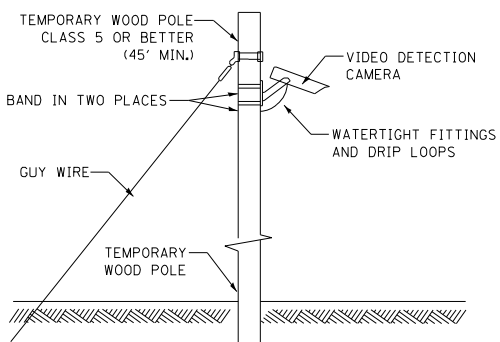
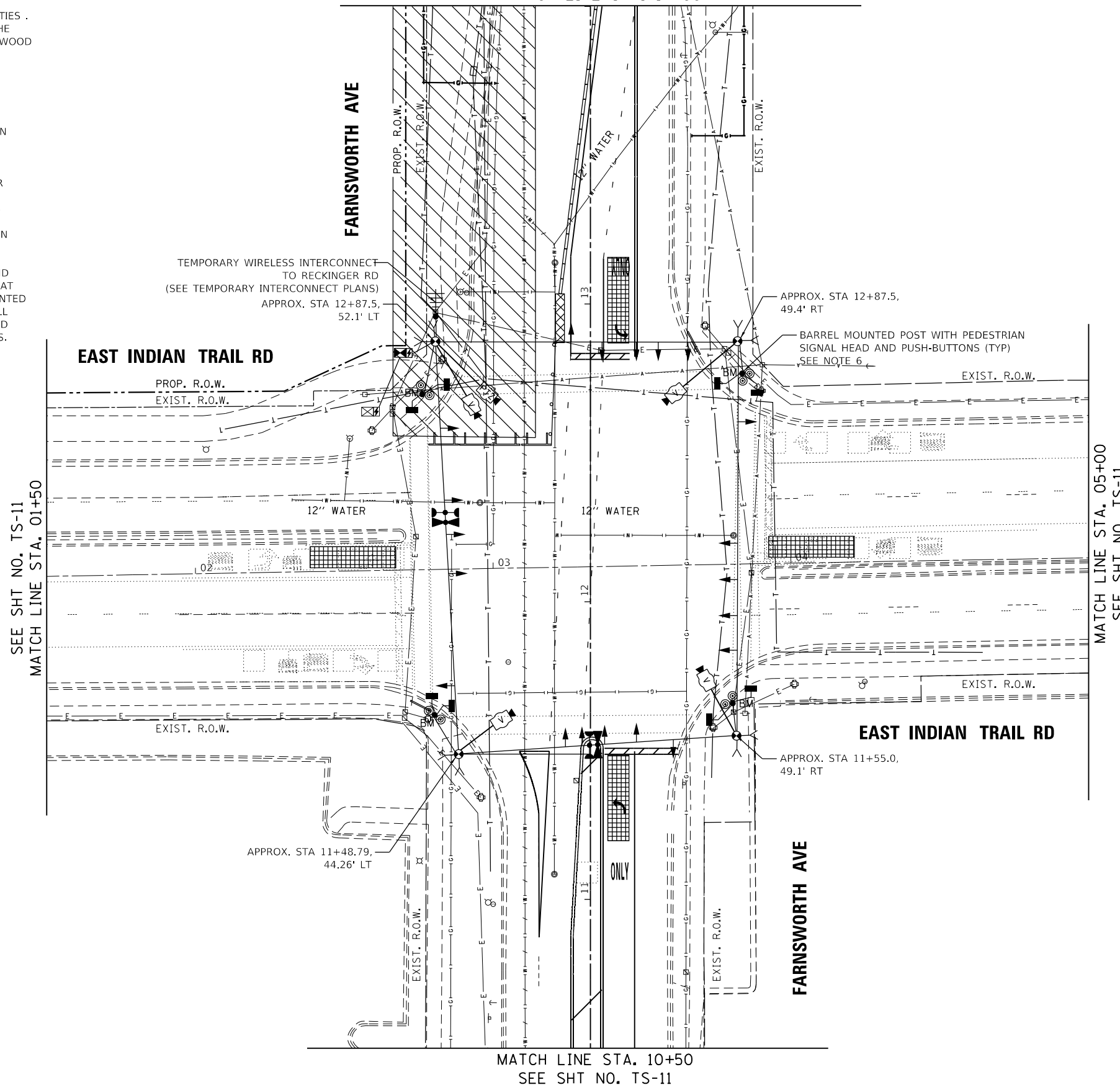
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	53
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

NOTES:

1. THIS TEMPORARY TRAFFIC SIGNAL CONFIGURATION APPLIES TO MOT STAGE 1, 1A, AND 2.
2. THE WOOD POLES SHALL BE LOCATED TO AVOID BURIED UTILITIES . LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY FINAL LOCATION OF EACH WOOD POLE.
3. CONTRACTOR TO RELOCATE (ON SPAN WIRE) NORTHBOUND/ SOUTHBOUND TEMPORARY SIGNAL HEADS ACCORDINGLY DURING MOT LANE SHIFTING ON FARNSWORTH.
4. SIGNAL NETWORK AND TRAFFIC CAMERAS SHALL NOT BE DOWN FOR MORE THAN FOUR HOURS.
5. FOR THE PURPOSE OF ADVANCE DETECTION, THE CONTRACTOR SHALL ENSURE THE VERTICAL CLEARANCE OF THE EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT TO BE BETWEEN 17-18 FEET FROM THE TOP OF ROADWAY GRADE TO TH BOTTOM OF THE LOWEST PART OF THE EVP EQUIPMENT, BUT NO LESS THAN 17 FEET.
6. BARREL MOUNTED POSTS WITH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTONS SHALL BE PROVIDED FOR ALL CROSSWALKS THAT ARE ACTIVE DURING THE CONSTRUCTION STAGE. BARREL MOUNTED POSTS SHALL BE RELOCATED AS NEEDED. TO ENSURE THAT ALL ACTIVE PEDESTRIAN SIGNALS AND PUSH-BUTTONS ARE LOCATED PER DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS. REFER TO NOTES ON TEMPORARY CABLE PLAN FOR ACTIVE PEDESTRIAN PHASES BY CONSTRUCTION STAGE. INACTIVE PEDESTRIAN SIGNAL HEADS SHALL BE DE-ENERGIZED AND BAGGED. INACTIVE PUSH-BUTTONS SHALL BE DE-ENERGIZED AND COVERED OR REMOVED.

SEE SHT NO. TS-11
MATCH LINE STA. 14+00



TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 2)
FARNSWORTH AVE AT INDIAN TRAIL RD

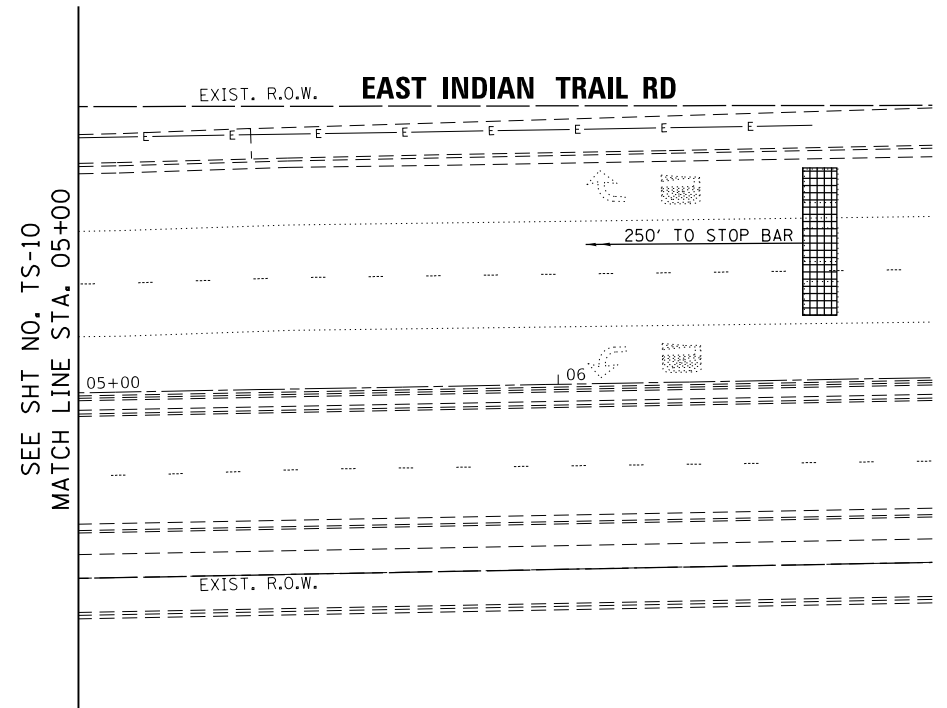
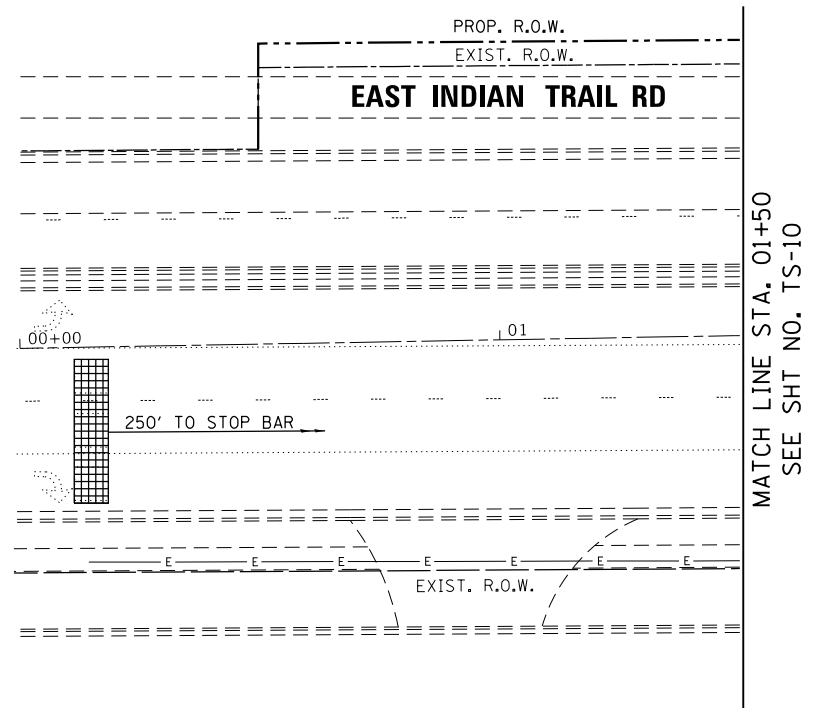
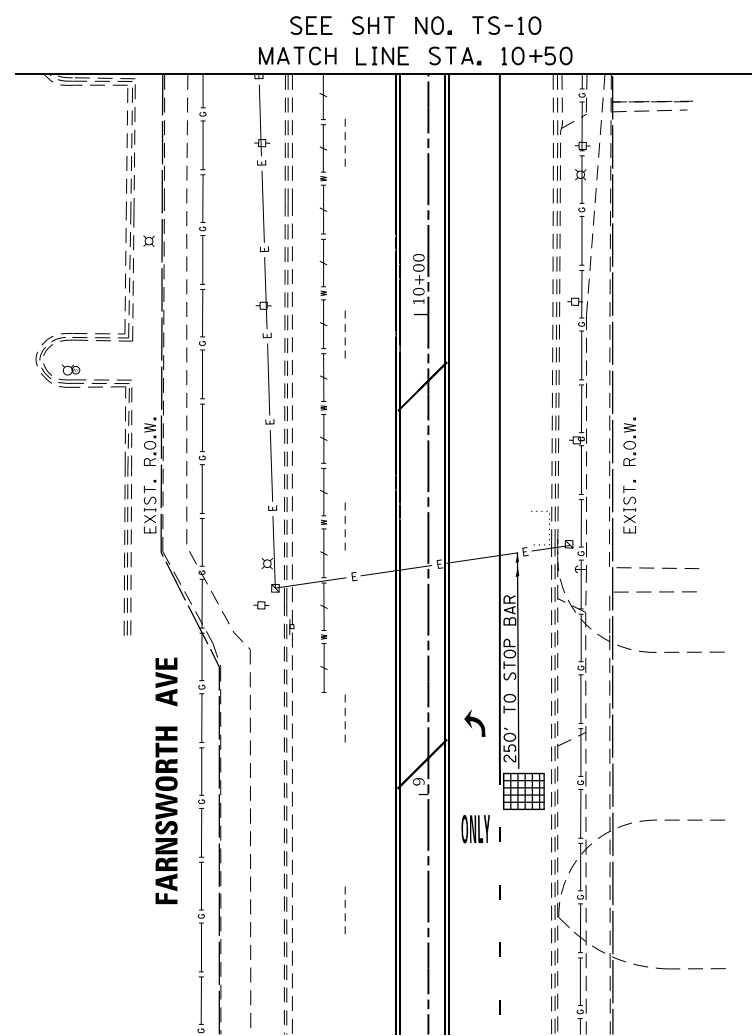
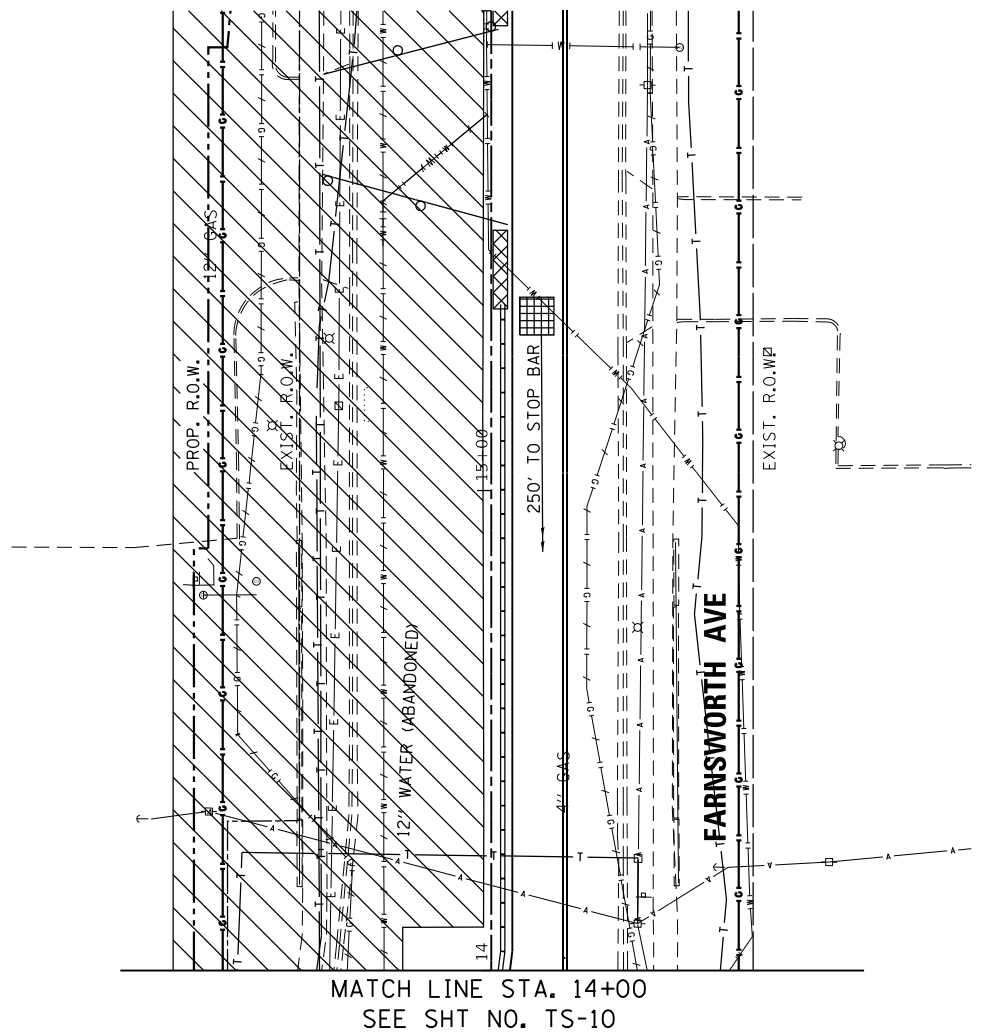
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	54
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

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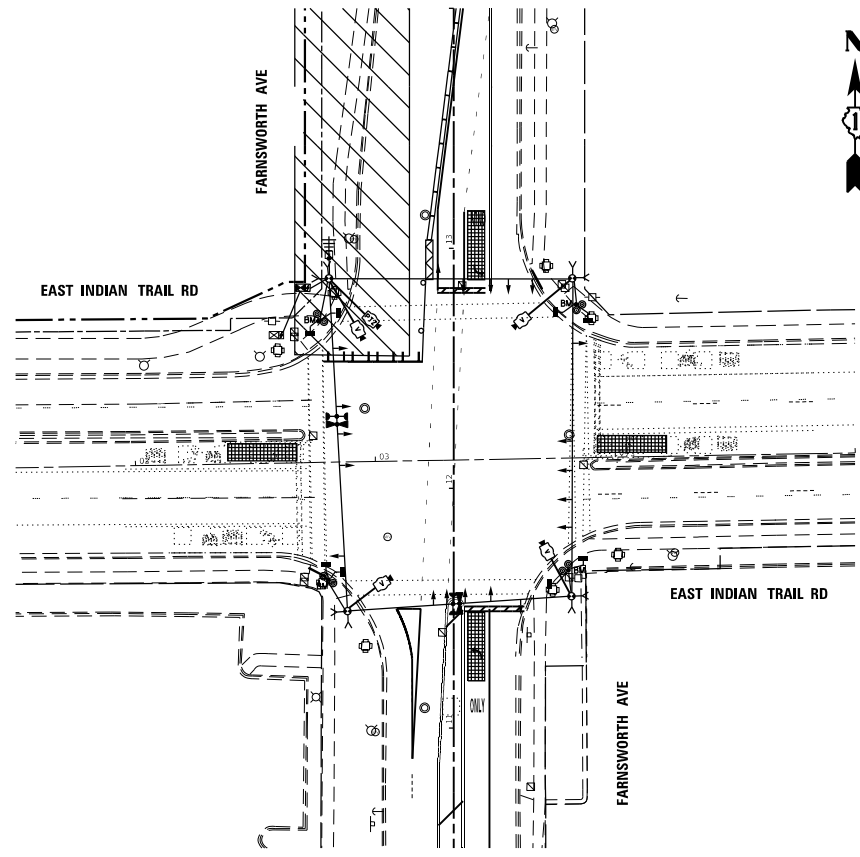
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

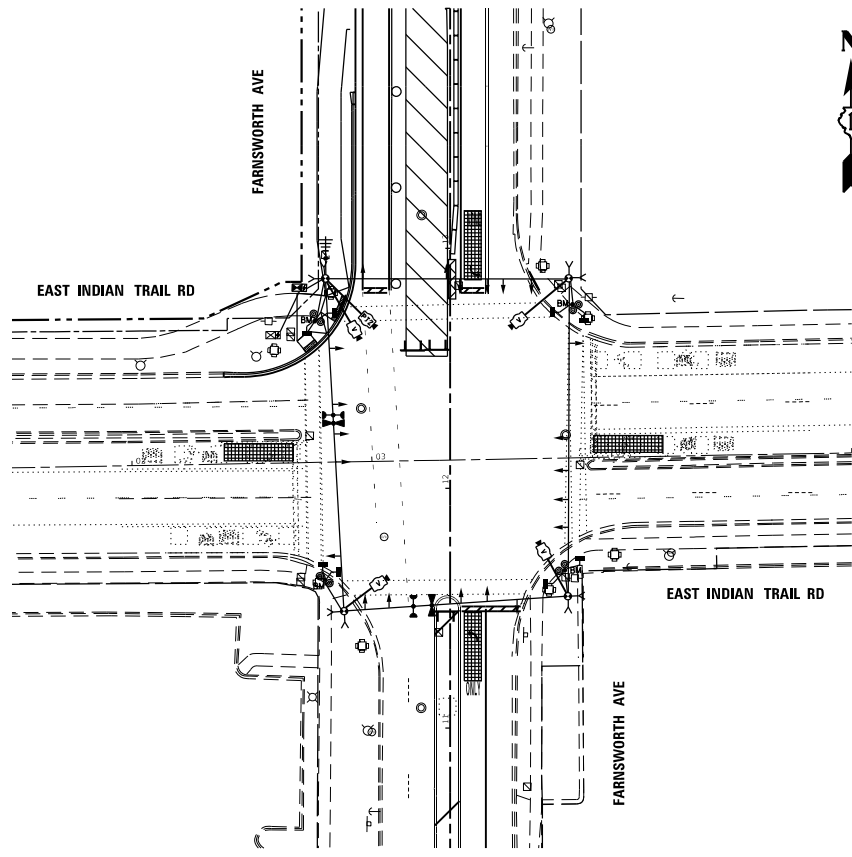
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 2)
FARNSWORTH AVE AT INDIAN TRAIL RD

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

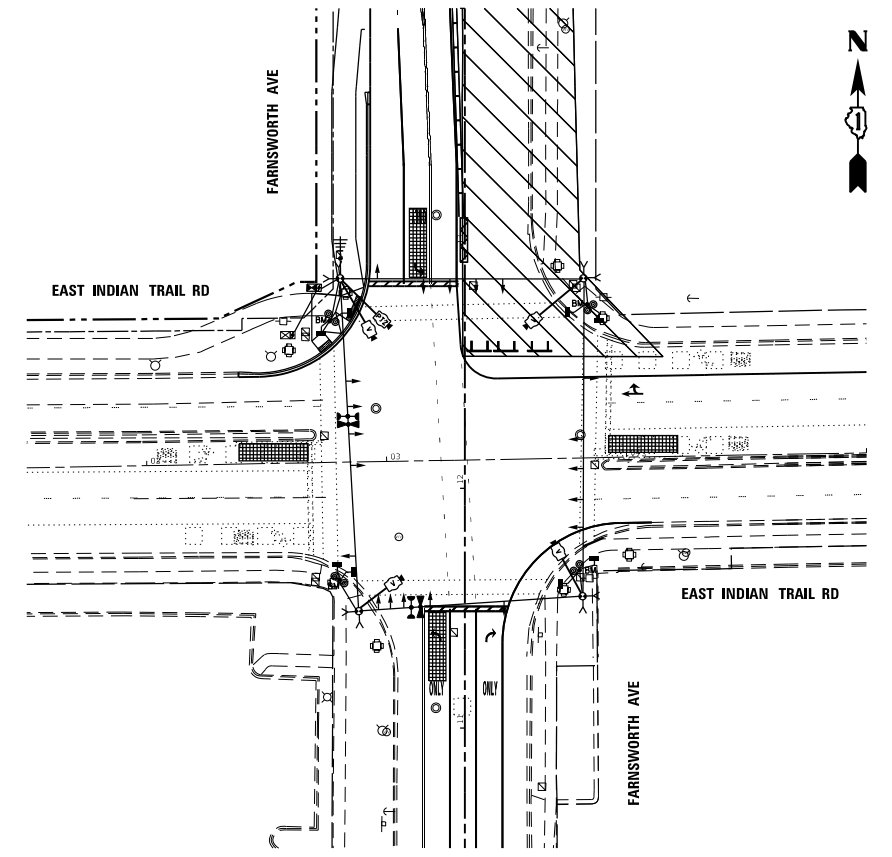
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360	18-00324-00-BR	KANE	124	55
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL STAGE 1



TEMPORARY TRAFFIC SIGNAL STAGE 1A



TEMPORARY TRAFFIC SIGNAL STAGE 2

MODEL: Default
FILE NAME: ...:\signals\10689-TS-12.dgn



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DRAWN - AR	REVISIONS -	
PLOT SCALE = \$\$SCALE\$	CHECKED - GHT	REVISED -
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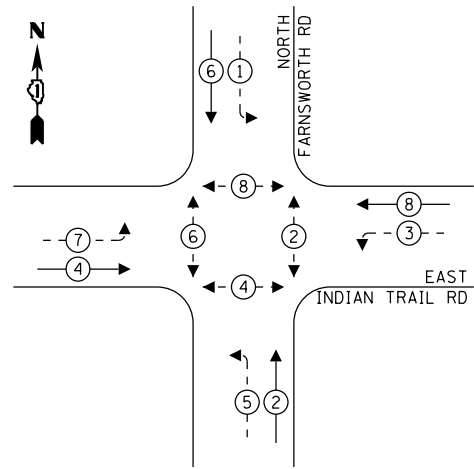
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**TEMPORARY TRAFFIC SIGNAL INSTALLATION MOT STAGING PLAN
FARNSWORTH AVE AT INDIAN TRAIL RD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	56
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



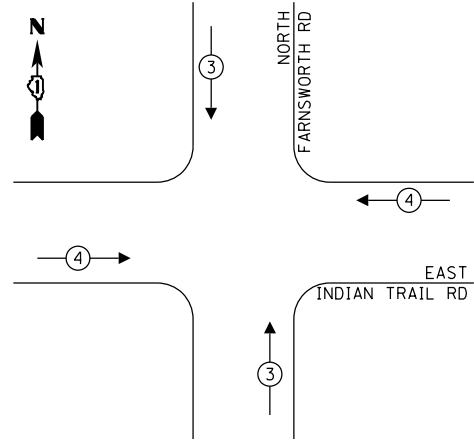
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

- | | | |
|----------------|------------------|-----------------|
| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
| | | |

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				689.0

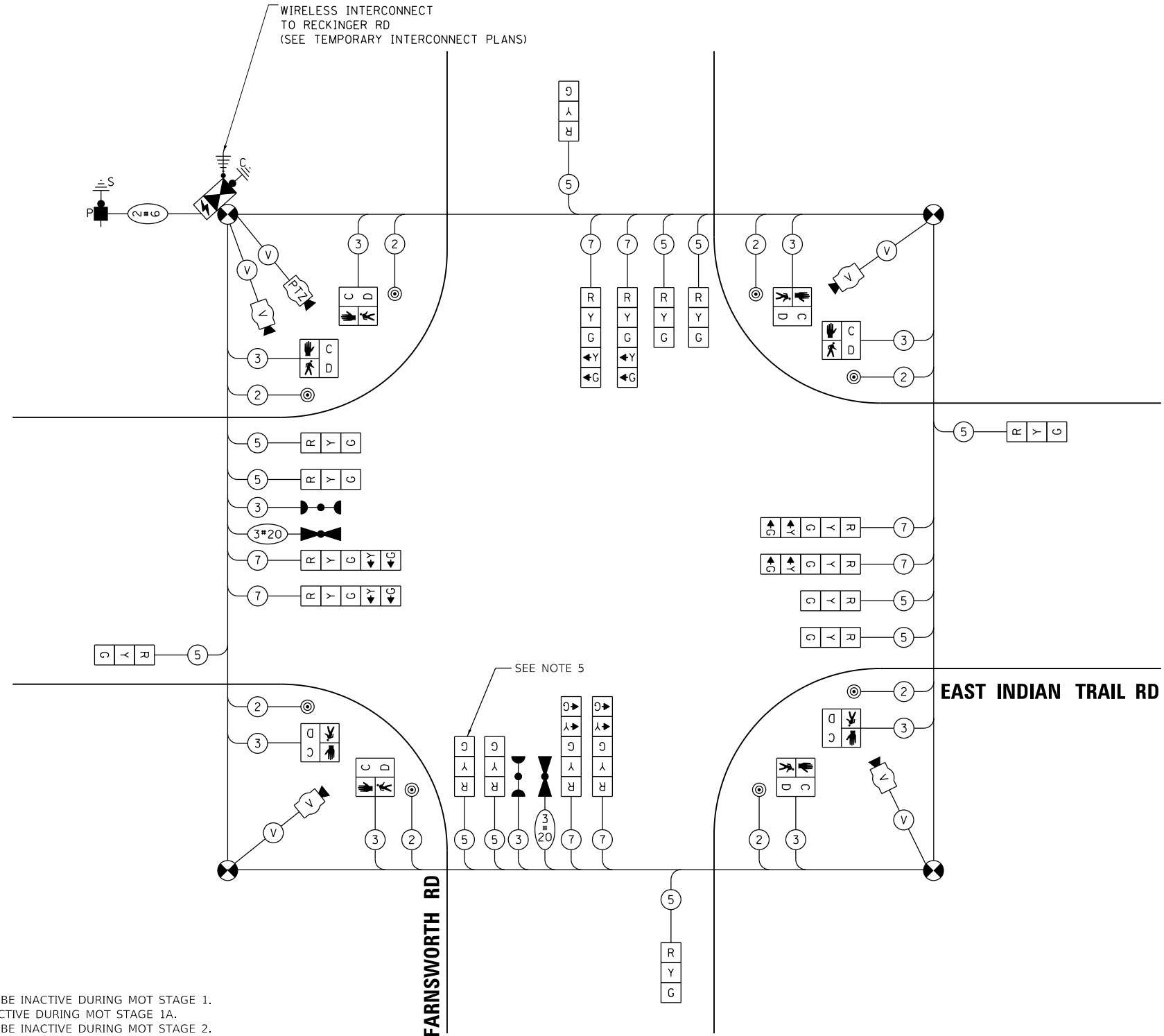
ENERGY COSTS TO:

CITY OF AURORA
44 E. DOWNER PLACE
AURORA, IL, 60507

ENERGY SUPPLY: CONTACT: PREEETHA NARAYANAN
PHONE: (630)-699-6401
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

NOTES:

1. PEDESTRIAN PHASE 6 AND 8 TO BE INACTIVE DURING MOT STAGE 1.
2. PEDESTRIAN PHASE 8 TO BE INACTIVE DURING MOT STAGE 1A.
3. PEDESTRIAN PHASE 2 AND 8 TO BE INACTIVE DURING MOT STAGE 2.
4. DE-ENERGIZE AND BAG INACTIVE PEDESTRIAN SIGNAL HEADS. COVER OR REMOVE INACTIVE PEDESTRIAN PUSH-BUTTONS.
5. BAG TRAFFIC SIGNAL HEAD DURING MOT STAGE 1 AND MOT STAGE 2.



CABLE PLAN
(NOT TO SCALE)

MODEL: Default
FILE NAME: ...:Signals\18689-TS-13.dgn



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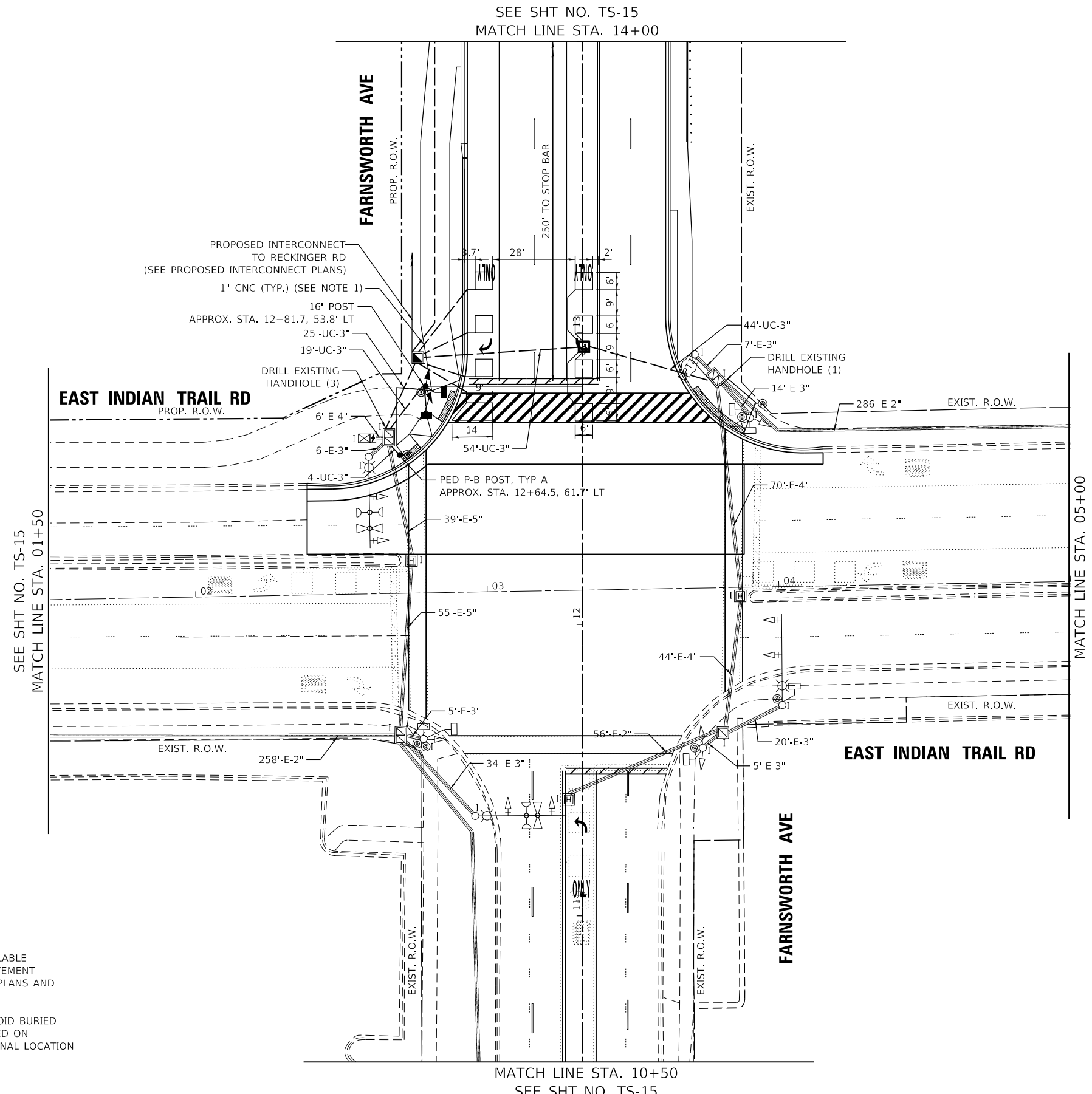
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY VEHICLE PREEMPTION SEQUENCE STAGE 1, 1A, & 2 FARNSWORTH AVE AT INDIAN TRAIL RD

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	57
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

SEE SHT NO. TS-15
MATCH LINE STA. 14+00



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. POLE AND POST FOUNDATIONS ARE LOCATED TO AVOID BURIED UTILITIES. LOCATIONS OF BURIED UTILITIES ARE BASED ON RECORDS. THE CONTRACTOR SHALL FIELD SURVEY FINAL LOCATION OF EACH POLE AND POST FOUNDATION.

MODEL: Default
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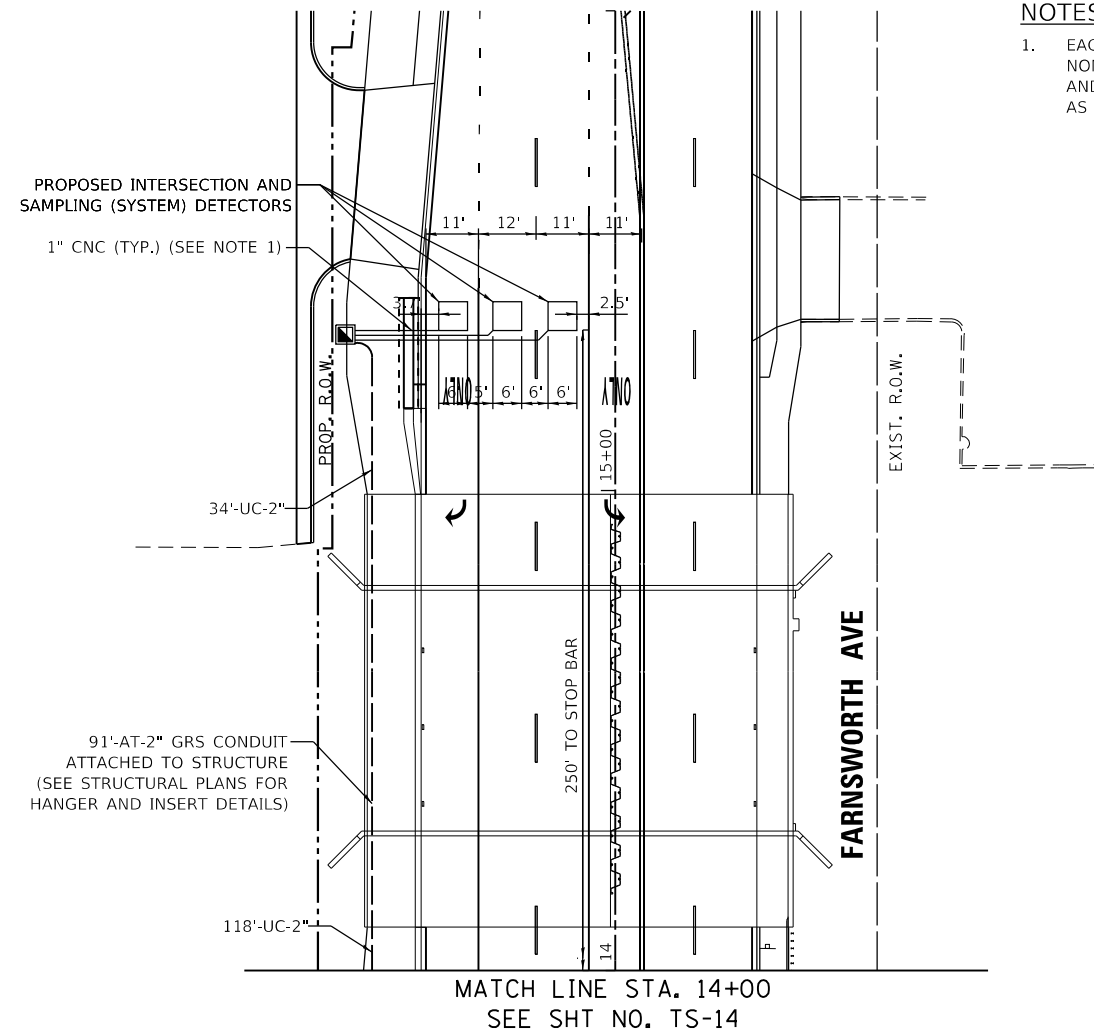
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

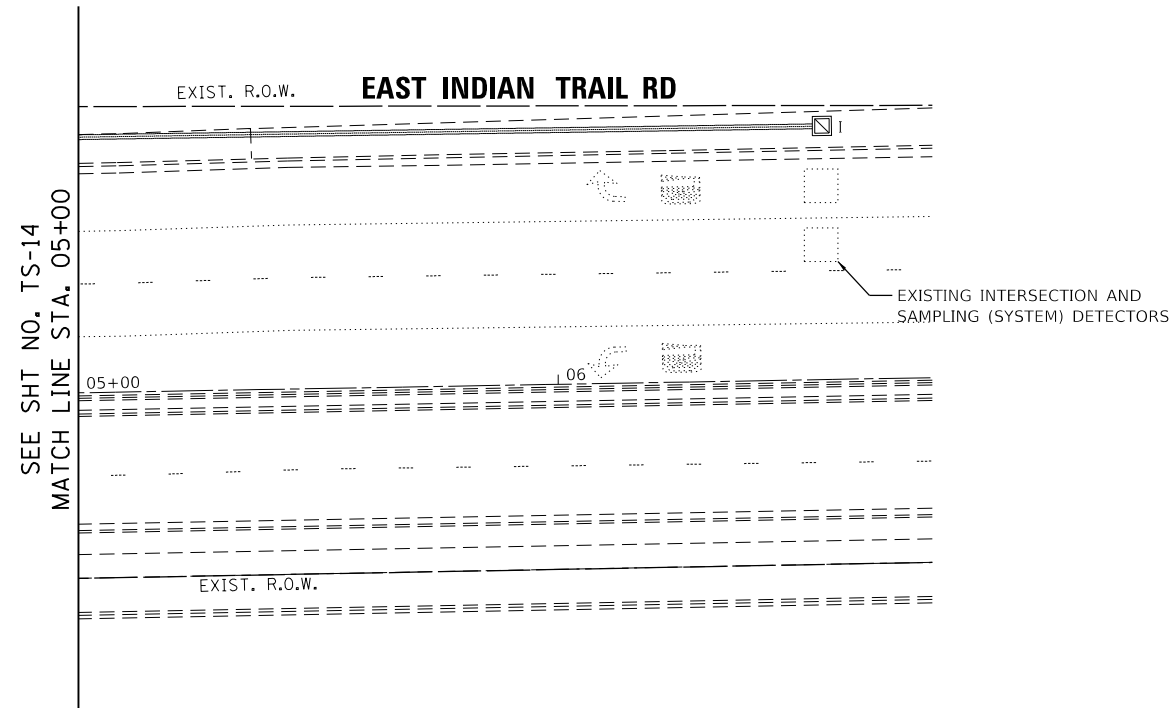
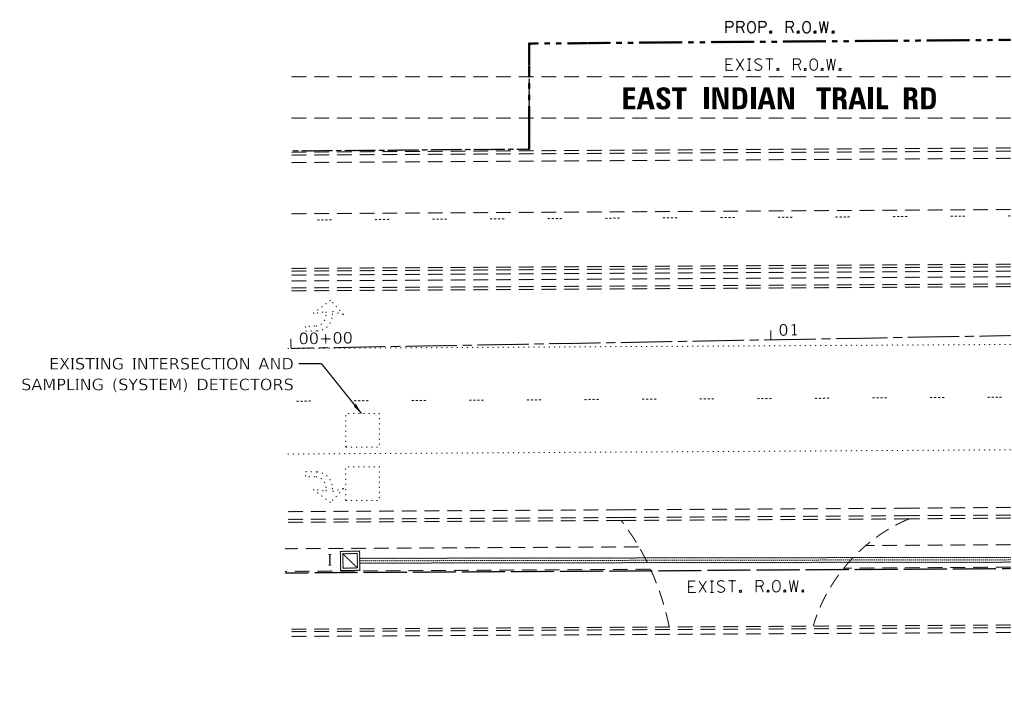
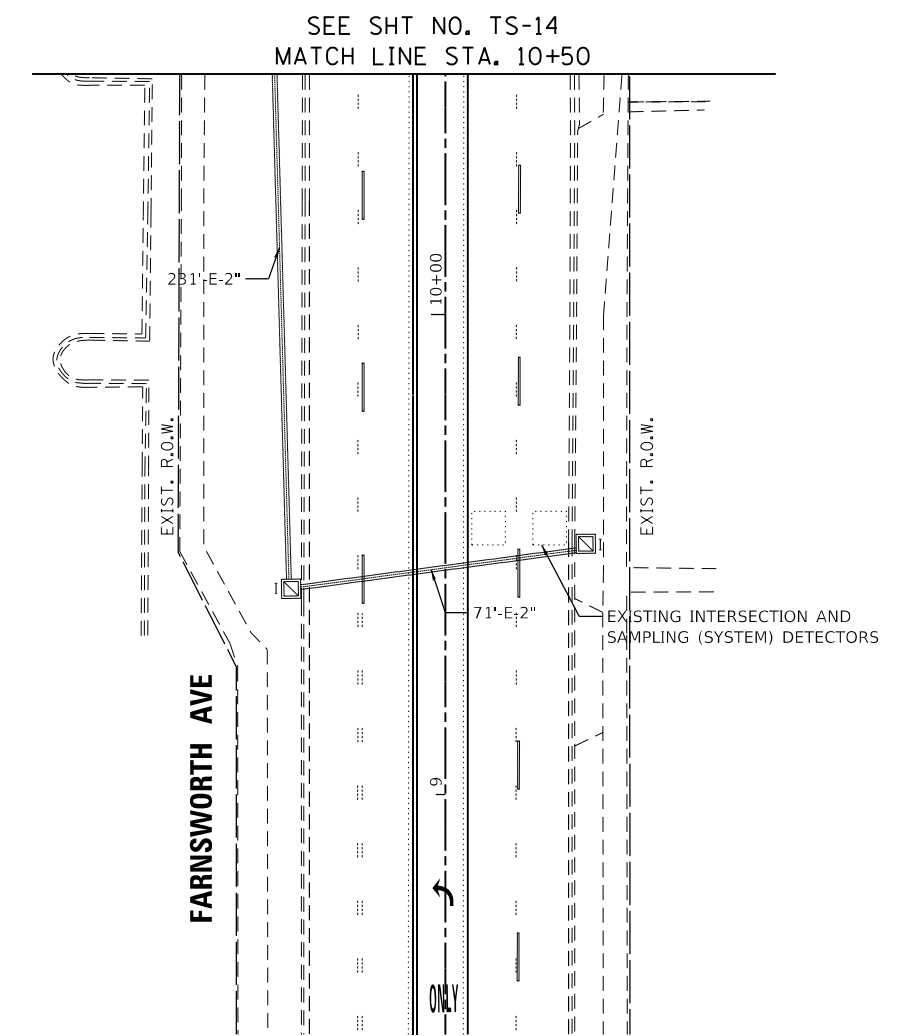
**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
FARNSWORTH AVE AT INDIAN TRAIL RD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	58
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



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



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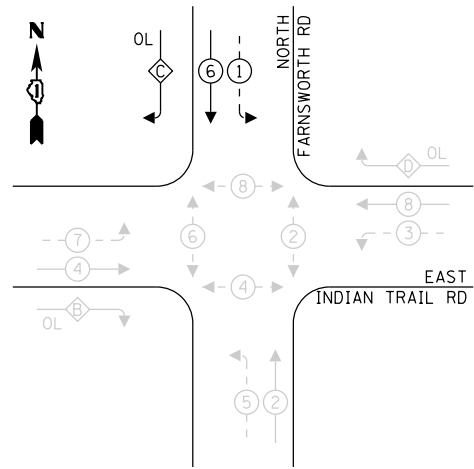
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
FARNSWORTH AVE AT INDIAN TRAIL RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	59
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



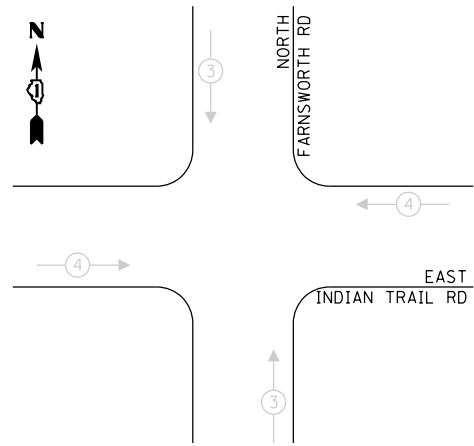
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



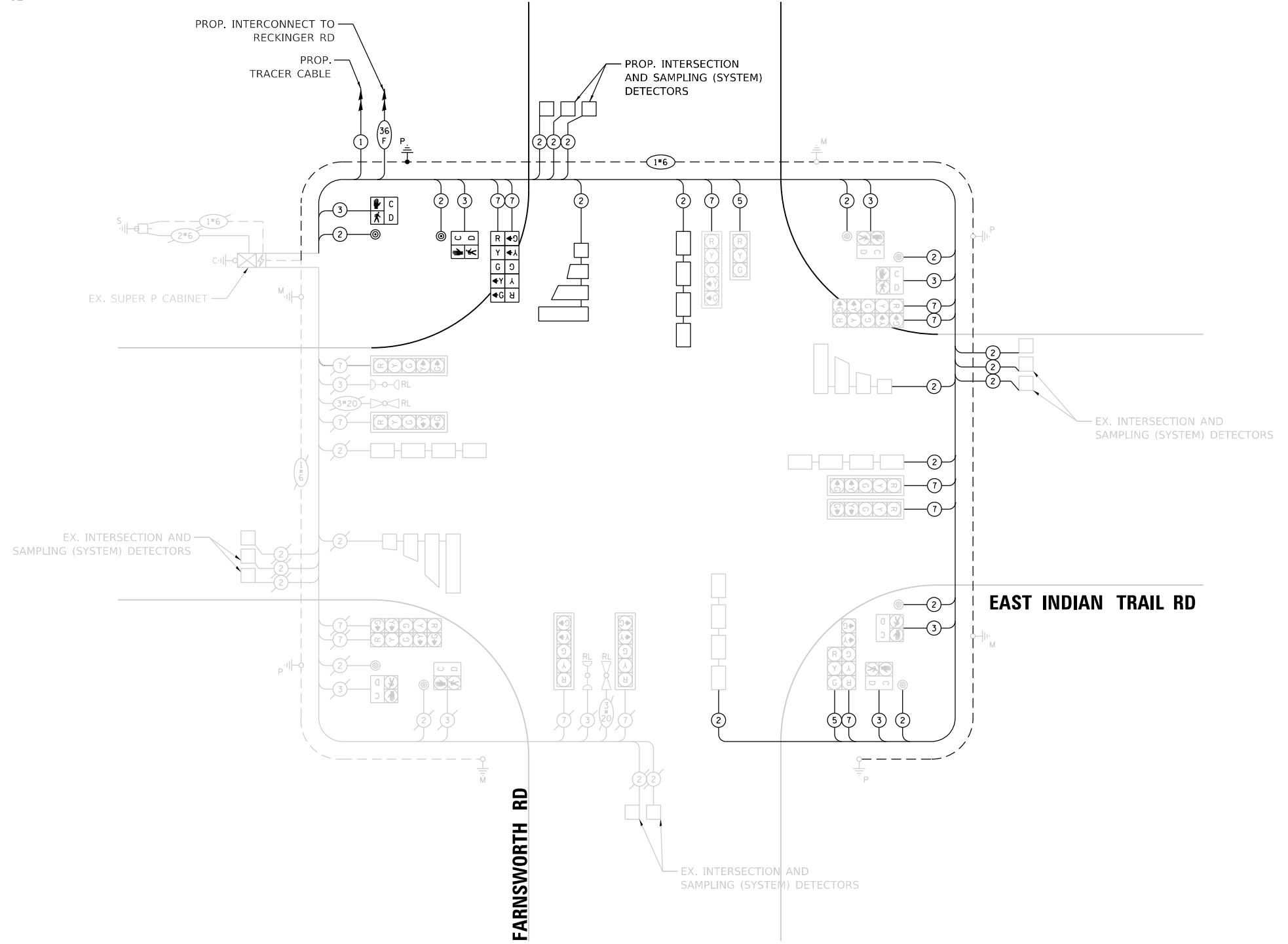
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				653.4

ENERGY COSTS TO:

CITY OF AURORA
44 E. DOWNER PLACE
AURORA, IL, 60507

ENERGY SUPPLY: CONTACT: PREEETHA NARAYANAN
PHONE: (630)-699-6401
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
FARNSWORTH AVE AT INDIAN TRAIL RD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	60
CONTRACT NO. 61H40				

ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	144
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	352
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1085
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1373
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	535
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1758
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1716
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1121
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
PED. SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE I	FOOT	425
PEDESTRIAN PUSH-BUTTON	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

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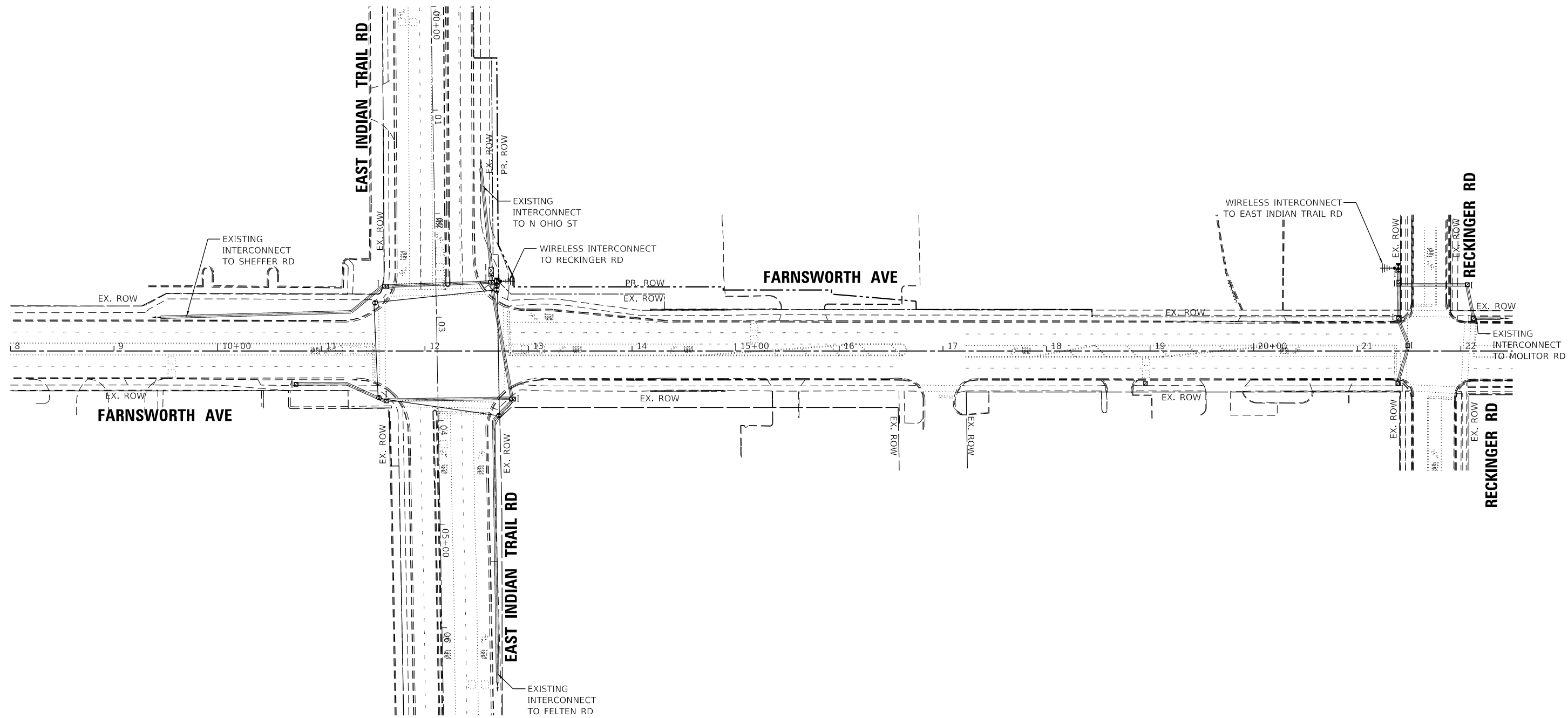
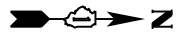
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
FARNSWORTH AVE AT INDIAN TRAIL RD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	61
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



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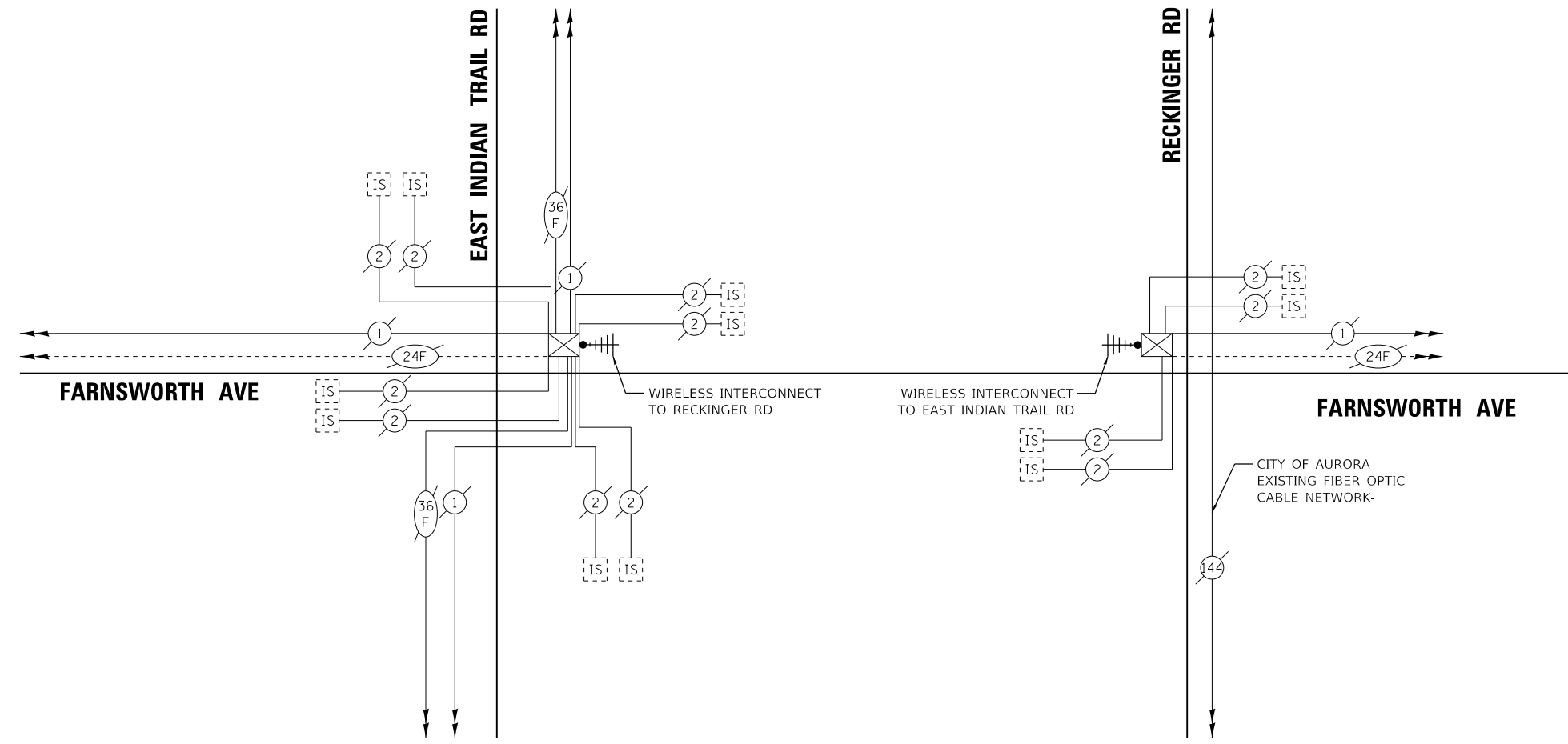
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PLOT DATE = 12/7/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN
FARNSWORTH AVE
INDIAN TRAIL RD TO RECKINGER RD**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	62
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



NOTES:

1. WIRELESS INTERCONNECT MUST INCLUDE BROADBAND ETHERNET RADIOS

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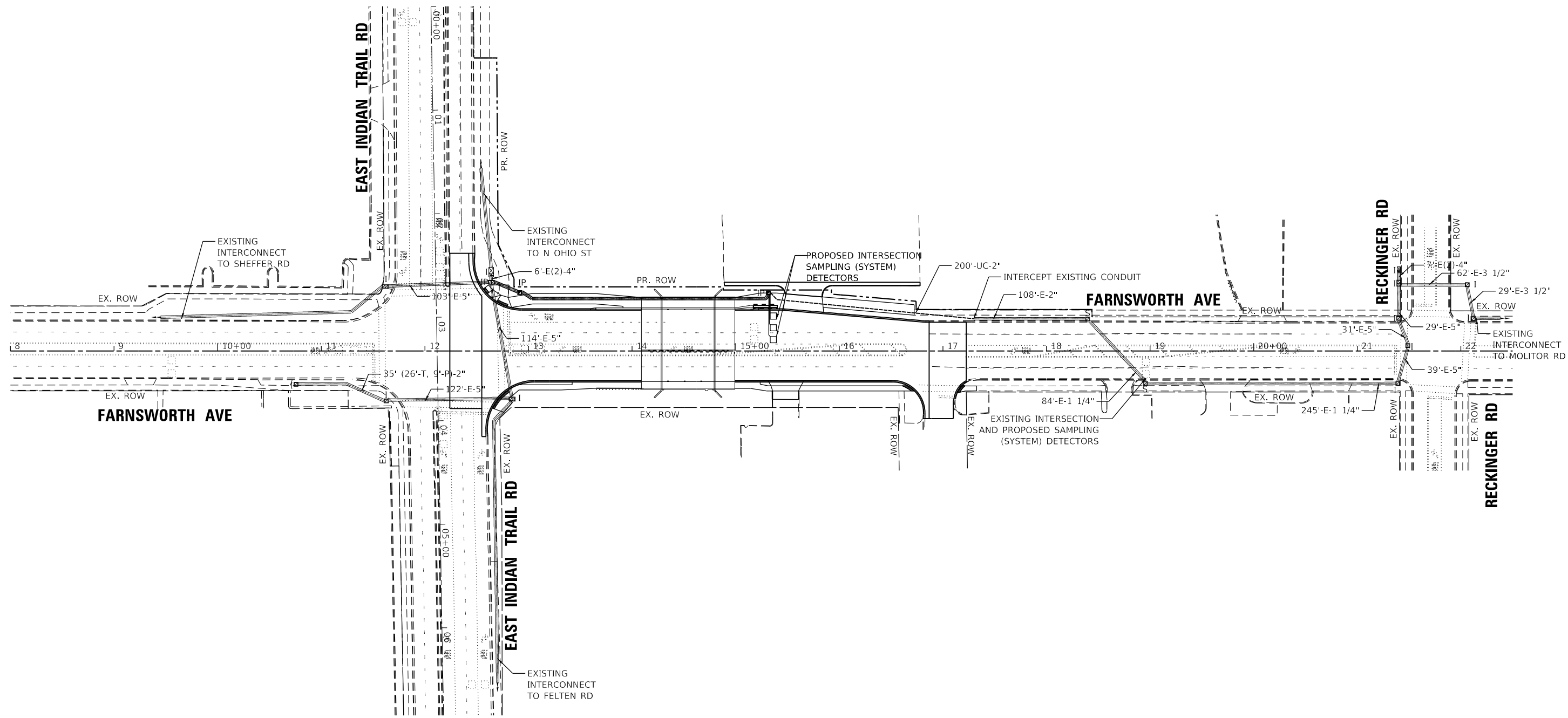
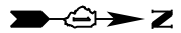


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY INTERCONNECT SCHEMATIC FARNSWORTH AVE INDIAN TRAIL RD TO RECKINGER RD			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	63
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



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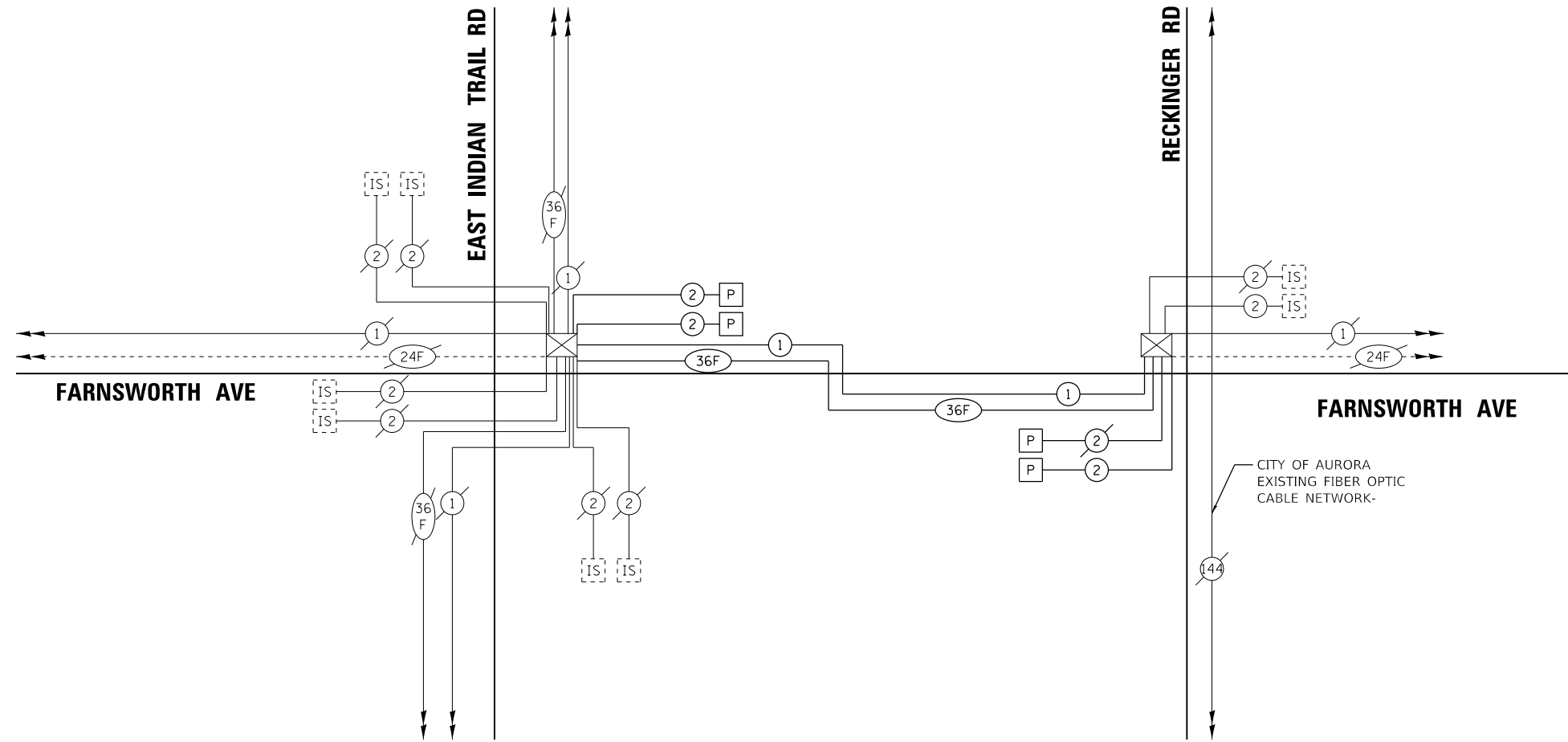


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN FARNSWORTH AVE INDIAN TRAIL RD TO RECKINGER RD			
SCALE: 1" = 50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	64
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	91
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1096
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1135
* ROD AND CLEAN EXISTING CONDUIT	FOOT	543
SYSTEMS INTEGRATION	LSUM	1
INTERCEPT EXISTING CONDUIT	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM36F	FOOT	1096
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

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
































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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC FARNSWORTH AVE INDIAN TRAIL RD TO RECKINGER RD			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	65
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

LIGHTING LEGEND

	PROPOSED SINGLE ARM GROUND MOUNTED LIGHTING UNIT 47.5 FT. M.H., 15 FT. M.A., LED LUMINAIRE (U.N.O.)
	PROPOSED SINGLE ARM WALL MOUNTED LIGHTING UNIT 47.5 FT. M.H., 8 FT. M.A., LED LUMINAIRE (U.N.O.)
	PROPOSED DUAL ARM WALL MOUNTED LIGHTING UNIT 47.5 FT. M.H., 6 FT. M.A., LED LUMINAIRE (U.N.O.)
	TEMPORARY LIGHTING UNIT, WOOD POLE 70 FT., CLASS 3, 50 FT. M.H., 15 FT. M.A., LED LUMINAIRE (U.N.O.)
	EXISTING SINGLE ARM LIGHTING UNIT TO REMAIN
	EXISTING DUAL ARM LIGHTING UNIT TO REMAIN
	EXISTING SINGLE ARM LIGHTING UNIT TO BE REMOVED
	EXISTING DUAL ARM LIGHTING UNIT TO BE REMOVED
	EXISTING SINGLE ARM LIGHTING UNIT TO BE RELOCATED
	PROPOSED ROADWAY LIGHTING CONSOLE 240/480 V, SINGLE PHASE, 3-WIRE, 200 AMP (U.N.O.)
	EXISTING ROADWAY LIGHTING CONSOLE TO REMAIN
	EXISTING ROADWAY LIGHTING CONSOLE TO BE REMOVED
	PROPOSED ROADWAY LIGHTING CONSOLE DUPLEX TYPE WITH SCADA 240/480 V, SINGLE PHASE, 3-WIRE, 200 AMP (U.N.O.)
	EXISTING ROADWAY LIGHTING CONSOLE DUPLEX TYPE WITH SCADA TO REMAIN
	EXISTING ROADWAY LIGHTING CONSOLE DUPLEX TYPE WITH SCADA TO BE REMOVED
	PROPOSED UNIT DUCT OR CABLE, SIZE AND TYPE AS NOTED ON PLANS
	PROPOSED UNDERGROUND RIGID GALVANIZED STEEL CONDUIT (RGC), SIZE AS NOTED ON PLANS (U.N.O.)
	EXISTING ELECTRIC CABLE TO REMAIN
	EXISTING ELECTRIC CABLE TO BE REMOVED
	TEMPORARY AERIAL CABLE 4-1/C NO. 2 WITH MESSENGER WIRE (U.N.O.)
	EXISTING AERIAL CABLE TO REMAIN
	PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED ON PLANS
	EXISTING JUNCTION BOX TO REMAIN
	EXISTING JUNCTION BOX TO BE REMOVED
	PROPOSED HANDHOLE
	EXISTING HANDHOLE TO REMAIN
	EXISTING HANDHOLE TO BE REMOVED
	PROPOSED UNDERPASS LUMINAIRE, LED
	EXISTING UNDERPASS LUMINAIRE TO REMAIN
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
	PROPOSED ELECTRIC SERVICE
	EXISTING ELECTRIC SERVICE TO REMAIN
	EXISTING ELECTRIC SERVICE TO BE REMOVED

GENERAL NOTES:

- PRIOR TO INSTALLATION OF THE NEW UNIT DUCTS, CABLES, CONDUITS, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS, AND APPURTENANCES, THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLE, AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. (800-893-0123) TO LOCATE AND MARK/STAKE ALL APPLICABLE UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD EFFECT HIS/HER WORK UNDER THIS CONTRACT FOR THE OPERATION OF THE EXISTING ROADWAY LIGHTING, IF ANY.
- ALL NEW UNIT DUCTS, CONDUITS, CABLES, JUNCTION BOXES, AND APPURTENANCES ARE DIAGRAMMATICALLY SHOWN. THEREFORE, THE ACTUAL LOCATION IN THE FIELD MUST MEET WITH THE APPROVAL OF THE ENGINEER.
- CONDUIT, CABLES AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ALL UNDERGROUND UTILITIES. IN ELEVATION, MAINTAIN A MINIMUM SEPARATION OF 12".
- NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL OF THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM JOB SITE AT THE CONTRACTOR'S EXPENSE.
- THE ELECTRICAL MATERIAL MUST BE NEW AND OF THE TYPES AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS, WHERE APPLICABLE:
 - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
 - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
 - ILLUMINATING ENGINEERS SOCIETY OF NORTH AMERICA (IES)
 - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
 - U.S. DEPARTMENT OF TRANSPORTATION (USDOT)
 - UNDERWRITERS LABORATORIES (UL)
 - AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
 - INSULATED POWER AND CABLE ENGINEERS ASSOCIATION (IPCEA)
- ALL ELECTRICAL SYSTEMS, EQUIPMENT, AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, EVEN THROUGH EVERY DETAIL OF REQUIREMENTS IS NOT SPECIFIED OR SHOWN.
- MEADE ELECTRIC, DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR, LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND ELECTRIC CABLES (CALL 773-287-7672).
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

BILL OF MATERIALS (LIGHTING)

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	444
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	170
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2,965
82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4
83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	4
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	27
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	3
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3
84200804	REMOVAL OF POLE FOUNDATION	EACH	3
X8100863	INTERCEPT EXISTING CONDUIT	EACH	3
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	7

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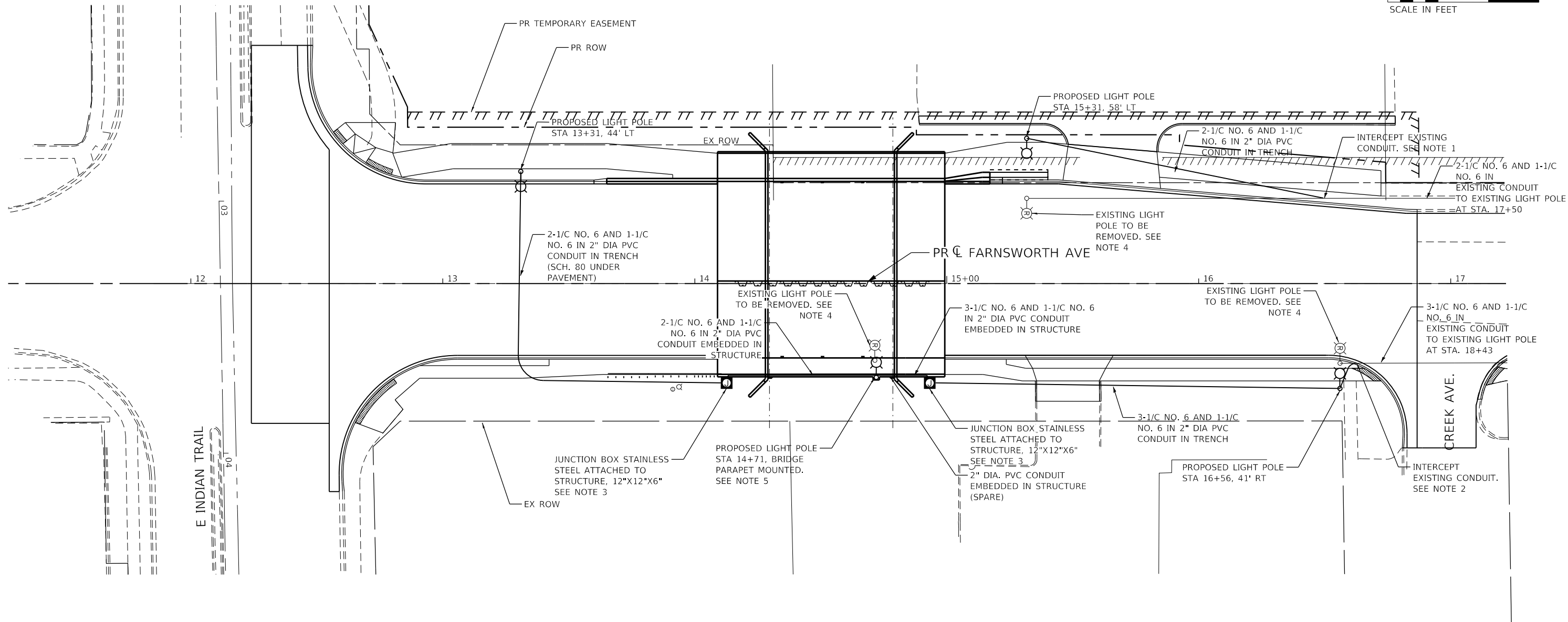
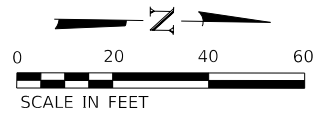
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	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT GENERAL NOTES, LEGEND
AND BILL OF MATERIALS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H40	



NOTES:

1. CONDUCTORS SHALL BE DISCONNECTED AT THE POLE NORTH OF THIS LOCATION PRIOR TO STAGE 1 WORK. CONDUIT SHALL BE INTERCEPTED AND RUN TO RELOCATED POLE LOCATION.
2. CONDUCTORS SHALL BE DISCONNECTED AT THE POLE NORTH OF THIS LOCATION PRIOR TO STAGE 2 WORK. CONDUIT SHALL BE INTERCEPTED AND RUN TO RELOCATED POLE LOCATION.
3. JUNCTION BOX ATTACHED TO STRUCTURE TO TRANSITION FROM EMBEDDED CONDUIT TO UNDERGROUND CONDUIT. SEE IDOT STANDARD DETAIL 812001-01 FOR TRANSITION DETAIL.
4. ALL POLES AND LUMINAIRES REMOVED SHALL BE DELIVERED TO THE CITY OF AURORA MAINTENANCE FACILITY AS DIRECTED BY THE ENGINEER.
5. THE POSITION OF THE PROPOSED LIGHT POLE HANDHOLE SHALL BE IN ACCORDANCE WITH DISTRICT 1 HIGHWAY STANDARD BE403, FOR GROUND MOUNTED SINGLE MAST ARM POLES.

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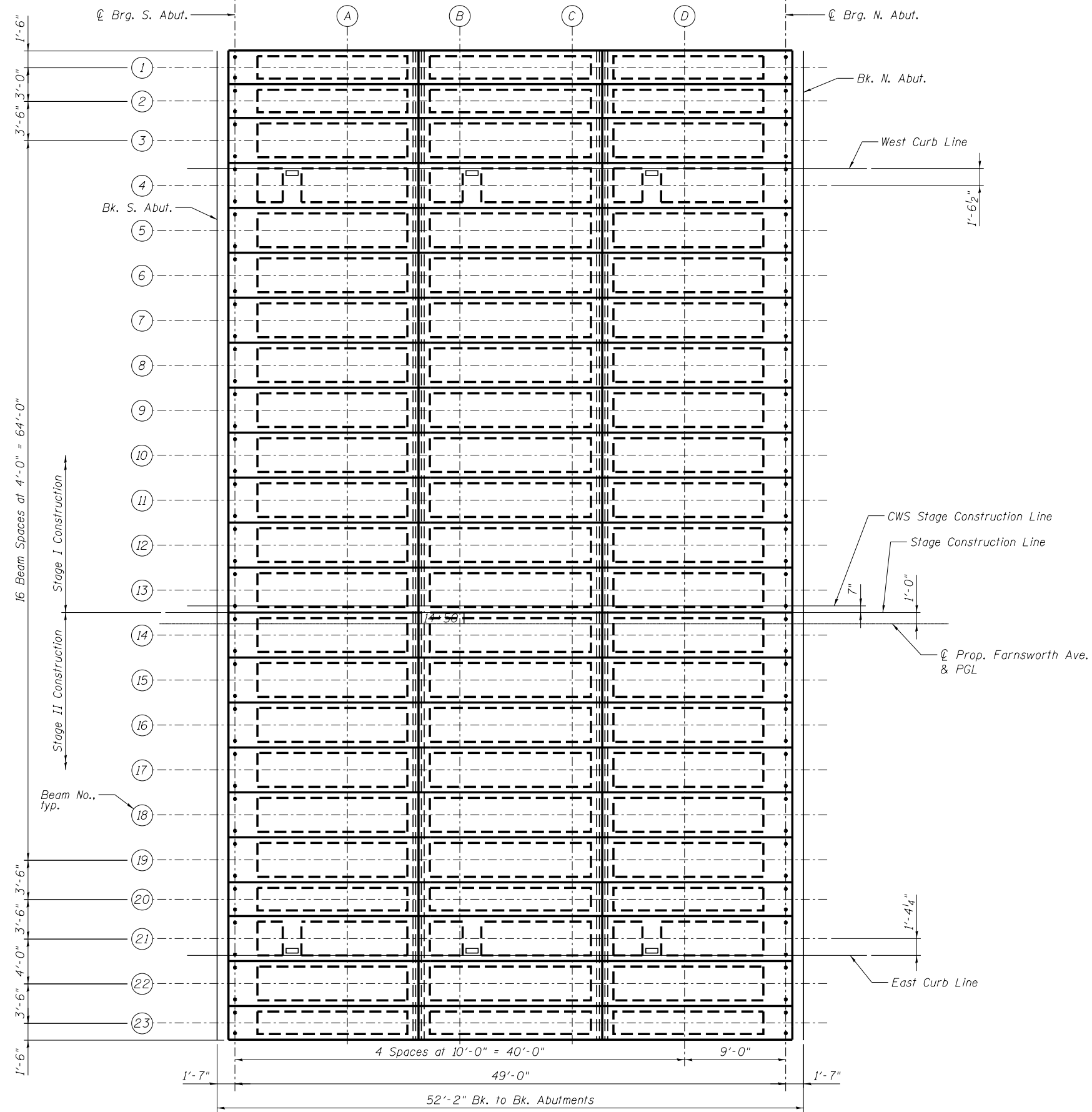
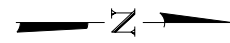
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

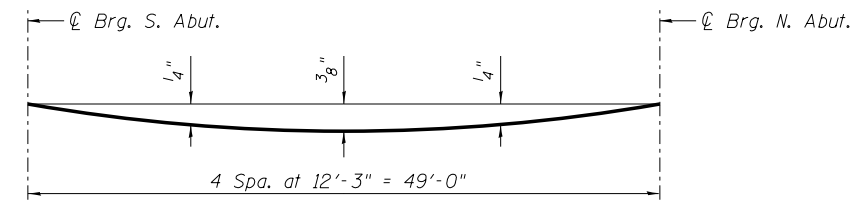
PROPOSED LIGHTING PLAN

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	67
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



PLAN

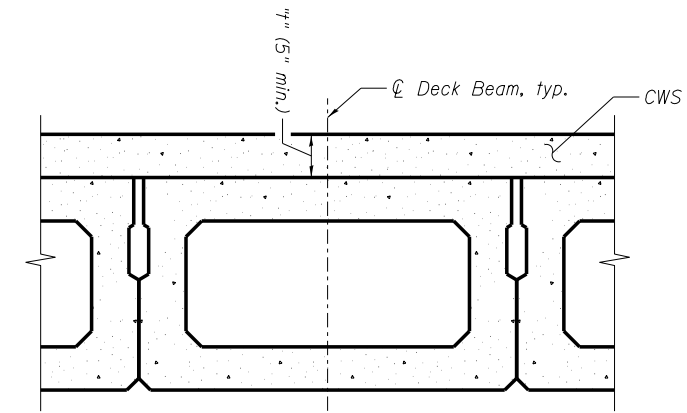


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete wearing surface, sidewalks & parapets only)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets S7 thru S9.



STANDARD OVERLAY THICKNESS DETAIL

To determine "t": After all precast prestressed deck beams have been erected, elevations of the top of the beams shall be taken at the intervals shown on the elevation sheet. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" equals the deck thickness "t" above the top of the beams.

NOTE:

CWS denotes Concrete Wearing Surface.

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PLOT DATE = 11/2/2021	DRAWN - AJB	REVISD -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS LAYOUT
STRUCTURE NO. 045-6054**

SHEET NO. S6 OF S33 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	73
CONTRACT NO. 61H40				

ILLINOIS FED. AID PROJECT

BEAM 10

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	-15.00	706.08	706.08
☉ Brg. S. Abut.	14+29.62	-15.00	706.07	706.07
A	14+39.62	-15.00	706.02	706.04
B	14+49.62	-15.00	705.96	705.99
C	14+59.62	-15.00	705.91	705.94
D	14+69.62	-15.00	705.86	705.87
☉ Brg. N. Abut.	14+78.62	-15.00	705.81	705.81
Bk. N. Abut.	14+80.20	-15.00	705.80	705.80

BEAM 11

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	-11.00	706.16	706.16
☉ Brg. S. Abut.	14+29.62	-11.00	706.15	706.15
A	14+39.62	-11.00	706.10	706.12
B	14+49.62	-11.00	706.04	706.07
C	14+59.62	-11.00	705.99	706.02
D	14+69.62	-11.00	705.94	705.95
☉ Brg. N. Abut.	14+78.62	-11.00	705.89	705.89
Bk. N. Abut.	14+80.20	-11.00	705.88	705.88

BEAM 12

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	-7.00	706.24	706.24
☉ Brg. S. Abut.	14+29.62	-7.00	706.23	706.23
A	14+39.62	-7.00	706.18	706.20
B	14+49.62	-7.00	706.12	706.15
C	14+59.62	-7.00	706.07	706.10
D	14+69.62	-7.00	706.02	706.03
☉ Brg. N. Abut.	14+78.62	-7.00	705.97	705.97
Bk. N. Abut.	14+80.20	-7.00	705.96	705.96

BEAM 13

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	-3.00	706.32	706.32
☉ Brg. S. Abut.	14+29.62	-3.00	706.31	706.31
A	14+39.62	-3.00	706.26	706.28
B	14+49.62	-3.00	706.20	706.23
C	14+59.62	-3.00	706.15	706.18
D	14+69.62	-3.00	706.10	706.11
☉ Brg. N. Abut.	14+78.62	-3.00	706.05	706.05
Bk. N. Abut.	14+80.20	-3.00	706.04	706.04

CWS STAGE CONSTRUCTION LINE

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	-1.58	706.35	706.35
☉ Brg. S. Abut.	14+29.62	-1.58	706.34	706.34
A	14+39.62	-1.58	706.29	706.30
B	14+49.62	-1.58	706.23	706.26
C	14+59.62	-1.58	706.18	706.21
D	14+69.62	-1.58	706.12	706.14
☉ Brg. N. Abut.	14+78.62	-1.58	706.07	706.07
Bk. N. Abut.	14+80.20	-1.58	706.07	706.07

STAGE CONSTRUCTION LINE

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	-1.00	706.36	706.36
☉ Brg. S. Abut.	14+29.62	-1.00	706.35	706.35
A	14+39.62	-1.00	706.30	706.32
B	14+49.62	-1.00	706.24	706.27
C	14+59.62	-1.00	706.19	706.22
D	14+69.62	-1.00	706.14	706.15
☉ Brg. N. Abut.	14+78.62	-1.00	706.09	706.09
Bk. N. Abut.	14+80.20	-1.00	706.08	706.08

☉ PROP. FARNSWORTH AVE. & PGL

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	0.00	706.38	706.38
☉ Brg. S. Abut.	14+29.62	0.00	706.37	706.37
A	14+39.62	0.00	706.32	706.34
B	14+49.62	0.00	706.26	706.29
C	14+59.62	0.00	706.21	706.24
D	14+69.62	0.00	706.16	706.17
☉ Brg. N. Abut.	14+78.62	0.00	706.11	706.11
Bk. N. Abut.	14+80.20	0.00	706.10	706.10

BEAM 14

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	1.00	706.36	706.36
☉ Brg. S. Abut.	14+29.62	1.00	706.35	706.35
A	14+39.62	1.00	706.30	706.32
B	14+49.62	1.00	706.24	706.27
C	14+59.62	1.00	706.19	706.22
D	14+69.62	1.00	706.14	706.15
☉ Brg. N. Abut.	14+78.62	1.00	706.09	706.09
Bk. N. Abut.	14+80.20	1.00	706.08	706.08

BEAM 15

Location	Station	Offset From P.G.L.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	14+28.04	5.00	706.28	706.28
☉ Brg. S. Abut.	14+29.62	5.00	706.27	706.27
A	14+39.62	5.00	706.22	706.24
B	14+49.62	5.00	706.16	706.19
C	14+59.62	5.00	706.11	706.14
D	14+69.62	5.00	706.06	706.07
☉ Brg. N. Abut.	14+78.62	5.00	706.01	706.01
Bk. N. Abut.	14+80.20	5.00	706.00	706.00

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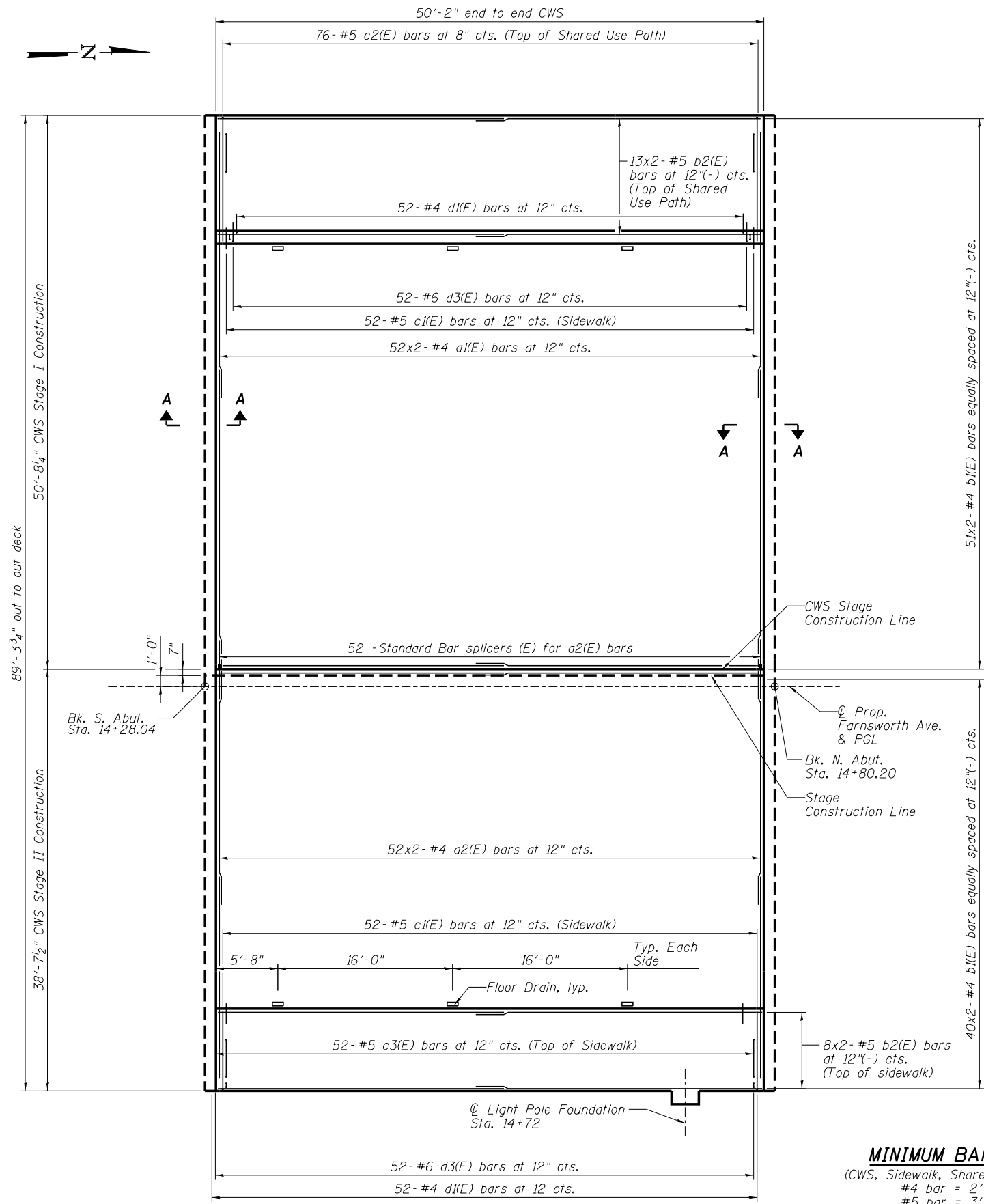
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS (2 OF 3)
STRUCTURE NO. 045-6054**

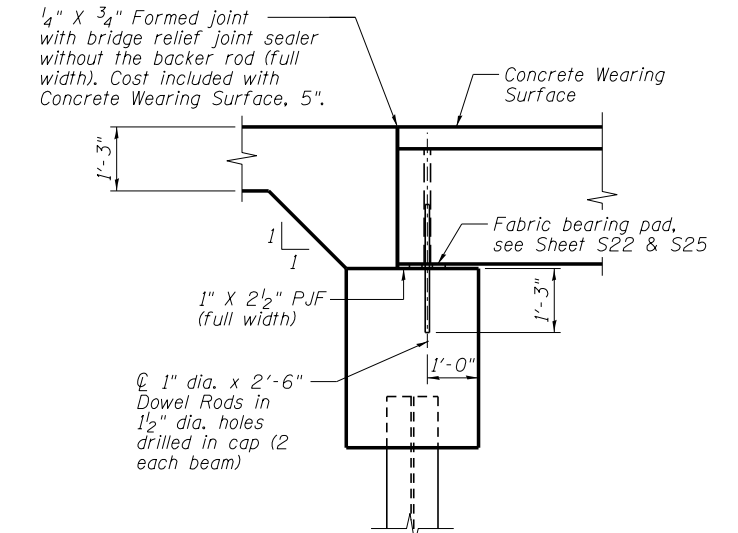
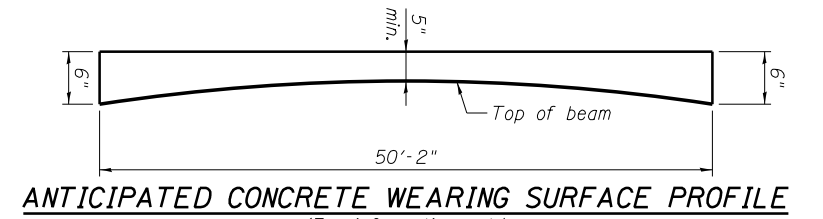
SHEET NO. 58 OF 533 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H40				
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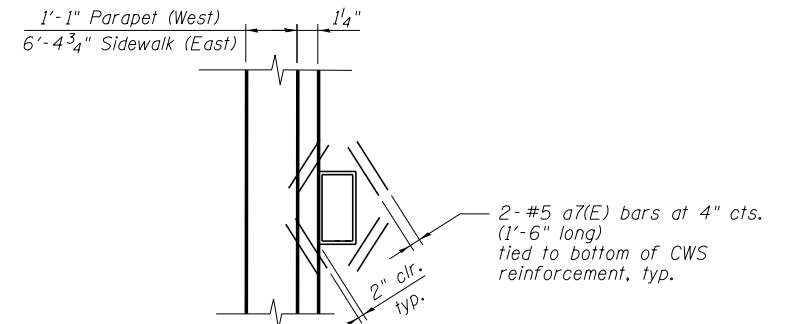


PLAN

MINIMUM BAR LAP
 (CWS, Sidewalk, Shared Use Path)
 #4 bar = 2'-5"
 #5 bar = 3'-0"



SECTION A-A



TYPICAL ADDITIONAL
 FLOOR DRAIN REINFORCEMENT

(6 Floor Drains)

NOTES:

1. Bars indicated thus 1x3-#5 etc. indicates 1 line of bars with 3 lengths per line.
2. Cut longitudinal reinforcement to clear floor drains.
3. CWS indicates Concrete Wearing Surface.
4. All concrete wearing surfaces shall be placed prior to casting Approach Slab.
5. See Sheet S15 for Light Pole Foundation details.

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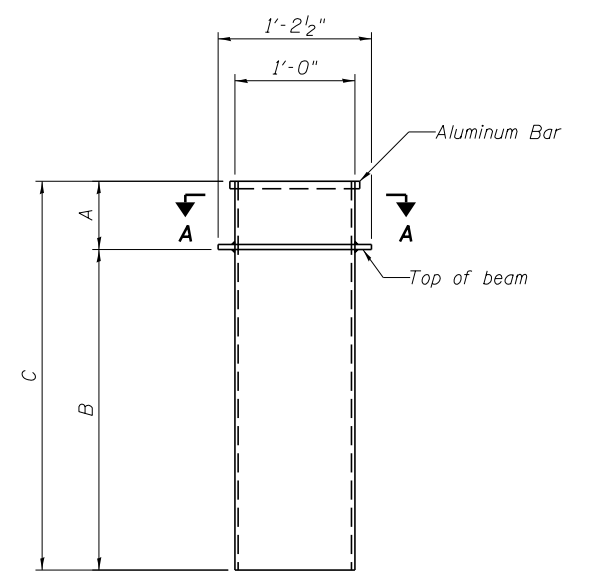
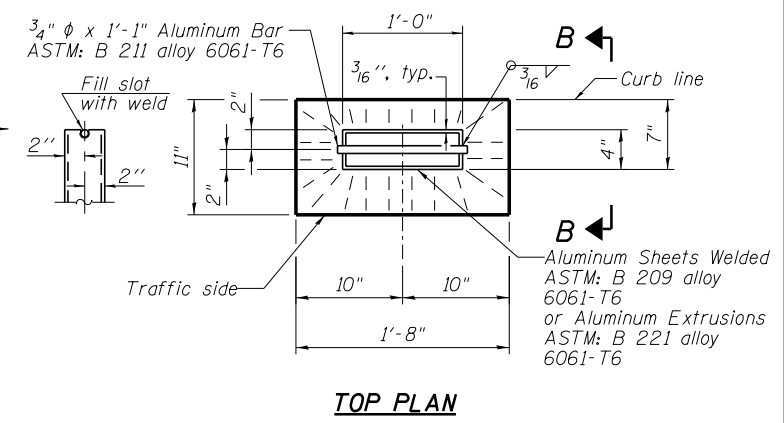
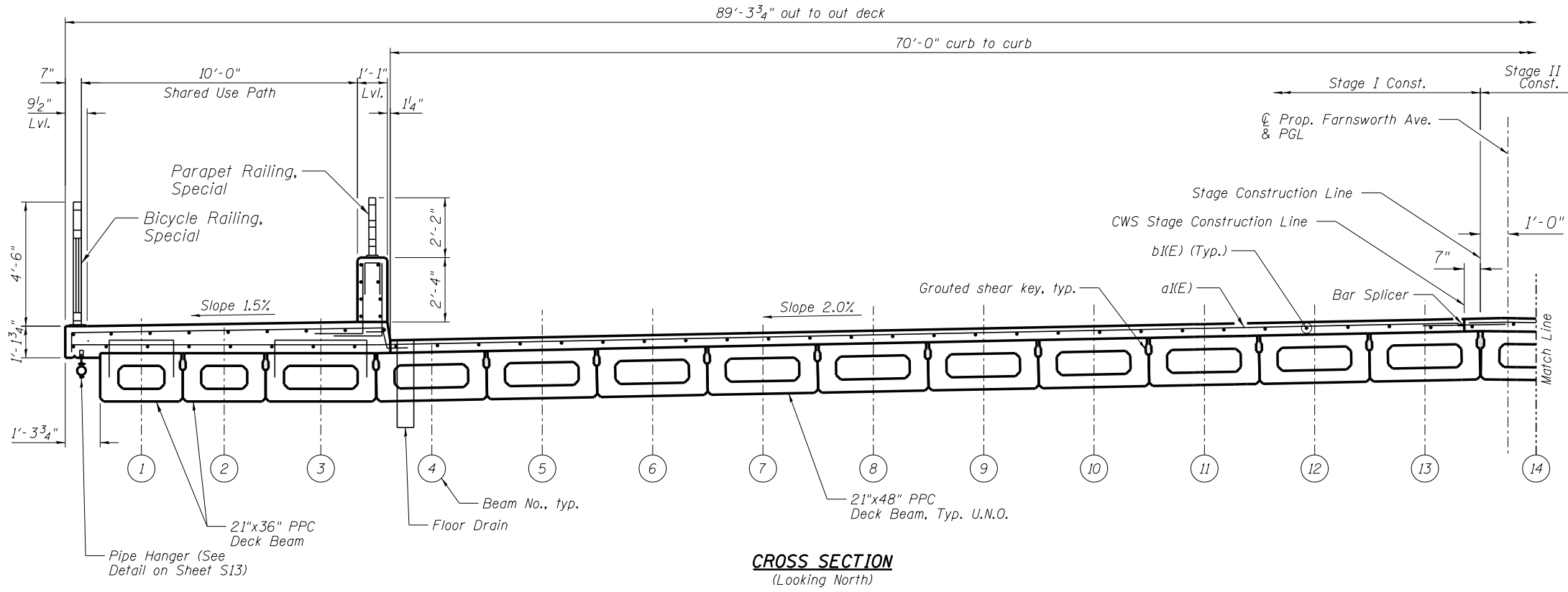
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SUPERSTRUCTURE PLAN
 STRUCTURE NO. 045-6054

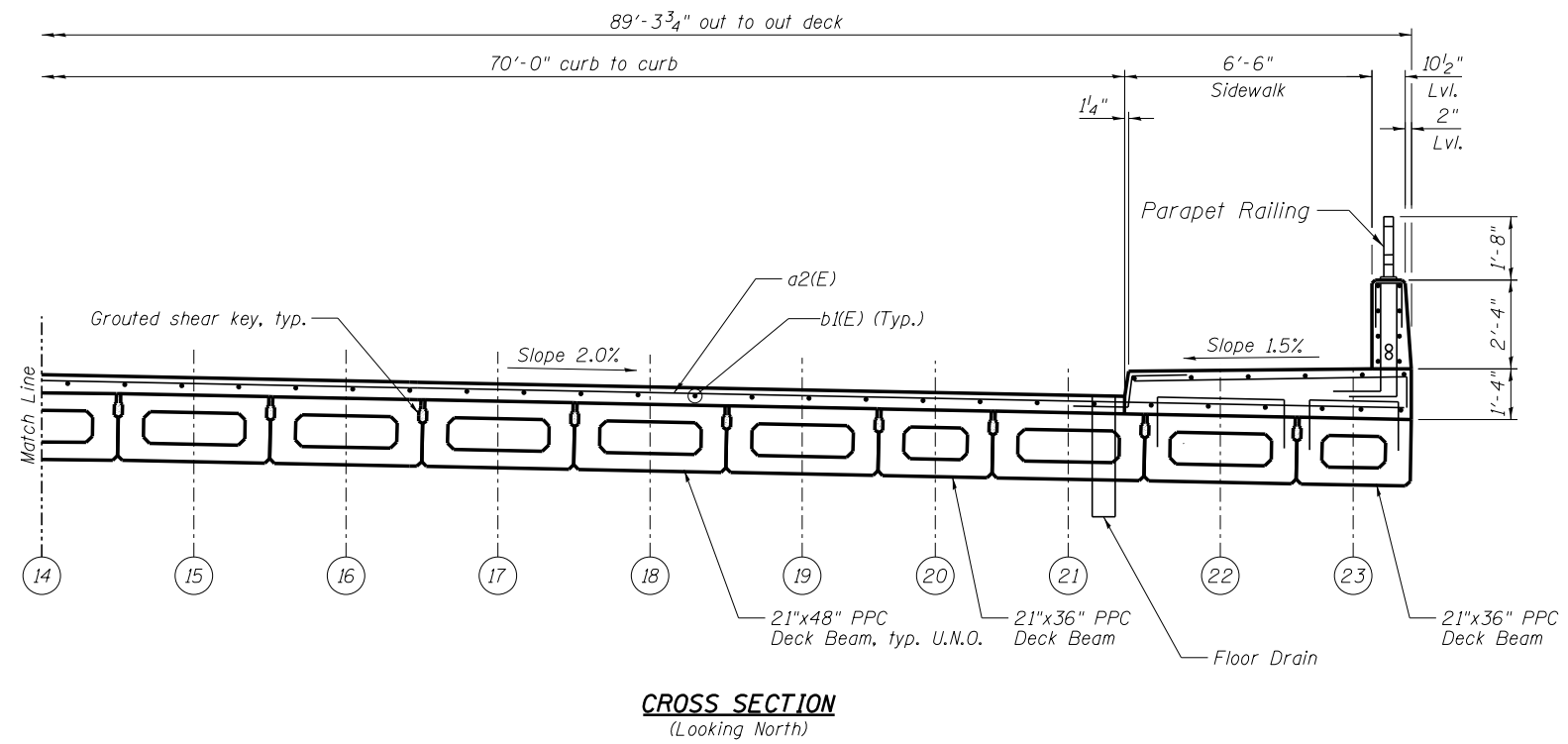
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	78
CONTRACT NO. 61H40				

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	A	B	C
North Drain	5"	2'-4"	2'-9"
Center Drain	4 1/2"	2'-4"	2'-8 1/2"
South Drain	5"	2'-9"	3'-2"



- NOTES:**
- Secure floor drain during placement of Concrete Wearing Surface such that the final position of one edge of the drain is 3" from the curb line.
 - Cost of floor drain assembly to be paid for as Floor Drain.
 - For floor drain locations, see Sheet S11.
 - For Sections Thru Shared Use Path and West Parapet, see Sheet S13.
 - For Sections Thru Sidewalk and East Parapet, see Sheet S14.

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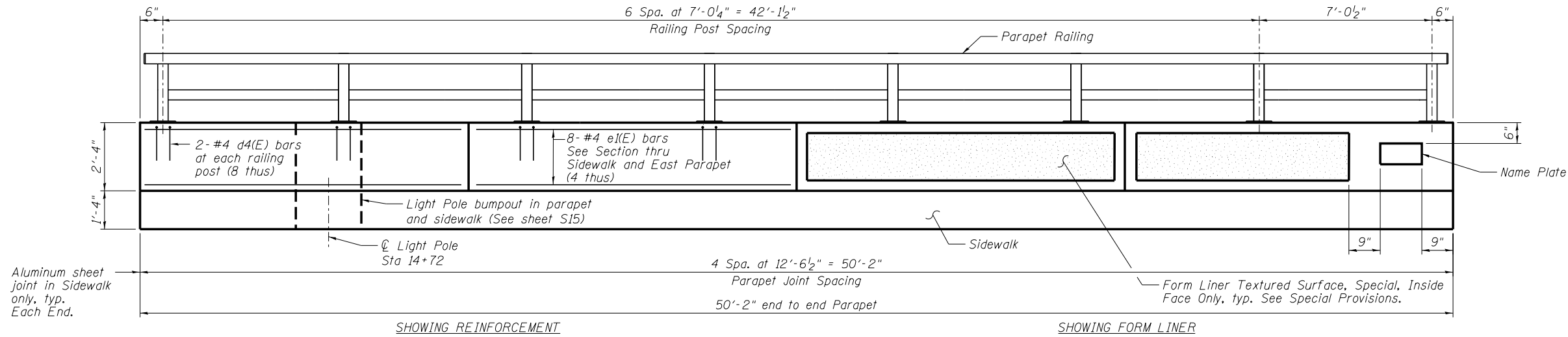
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE CROSS SECTION
STRUCTURE NO. 045-6054**

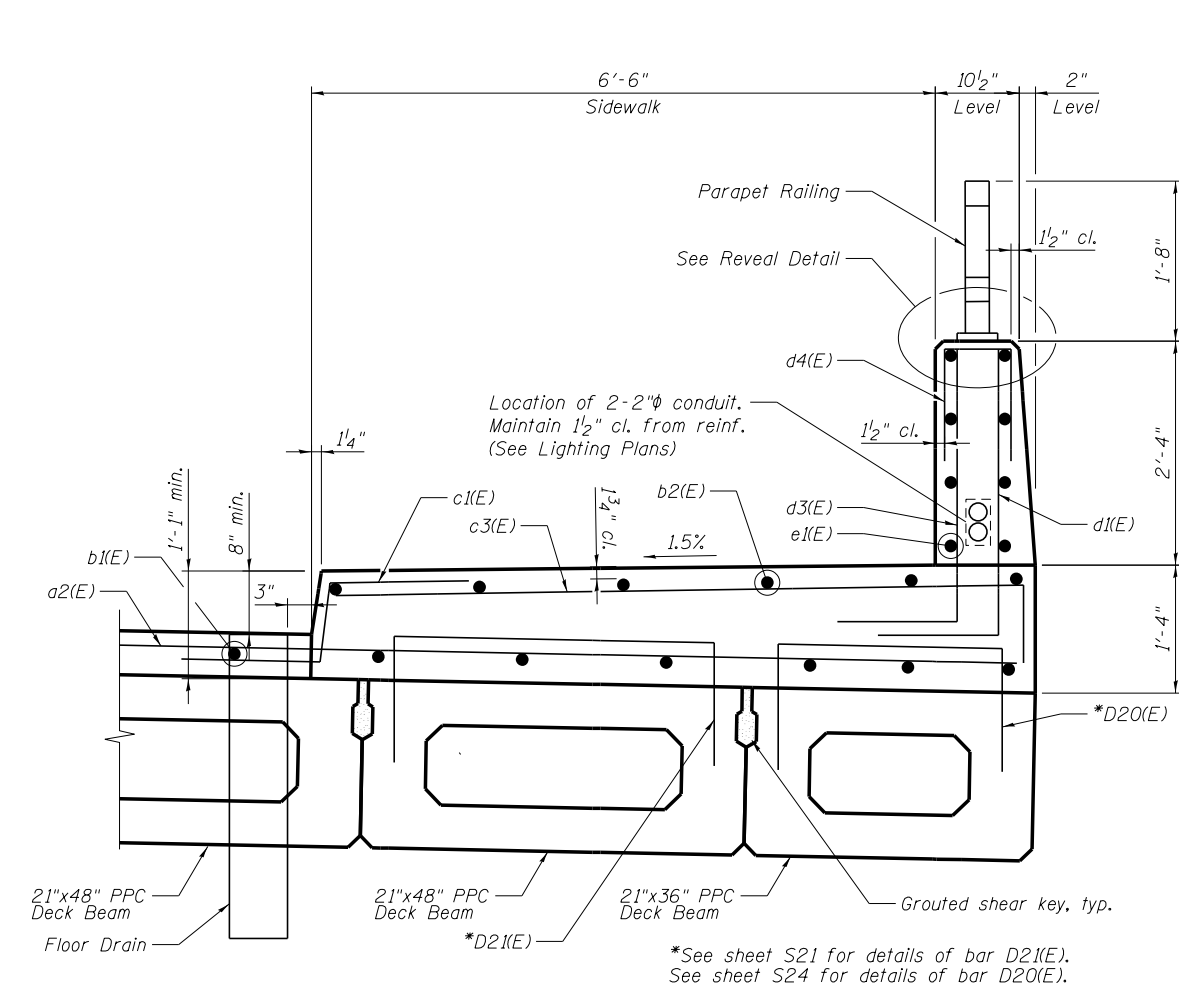
SHEET NO. S12 OF S33 SHEETS

F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 79
CONTRACT NO. 61H40				ILLINOIS FED. AID PROJECT

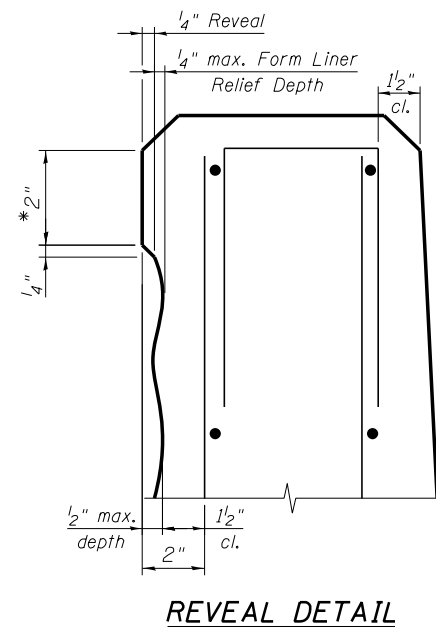
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INSIDE ELEVATION OF EAST PARAPET



SECTION THRU SIDEWALK AND EAST PARAPET

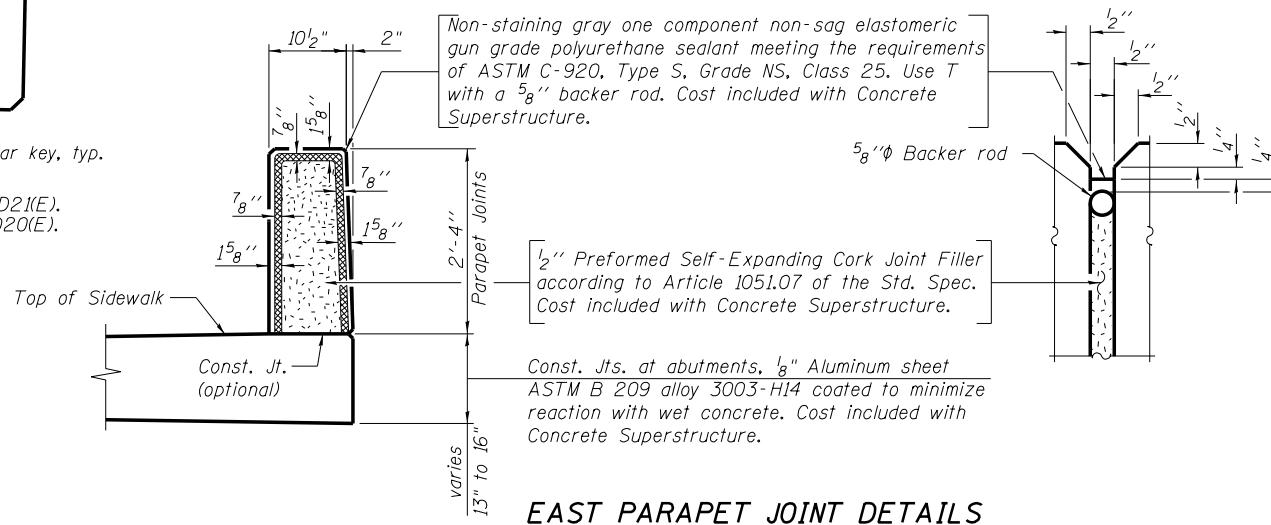


REVEAL DETAIL

*All around unless noted otherwise

NOTE:

All exposed surfaces of the East Parapet except for the outside (back) face shall be stained. The top of Light Pole bumpout shall be stained. See Special Provisions.



EAST PARAPET JOINT DETAILS



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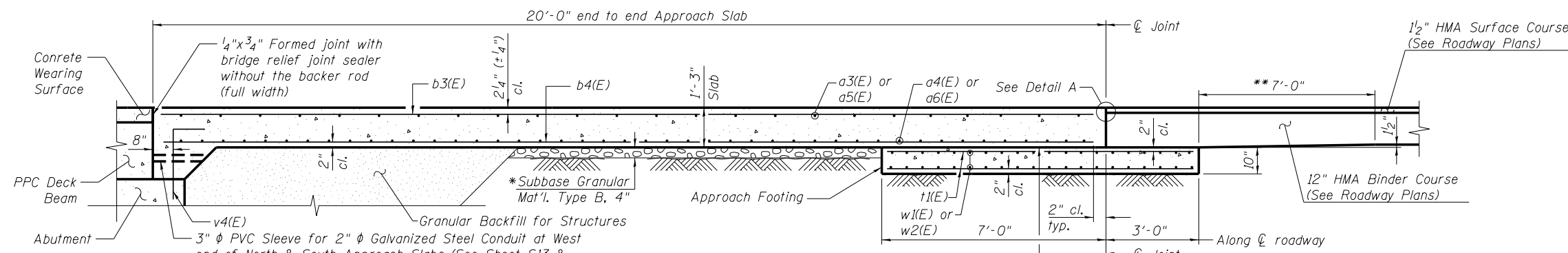
SUPERSTRUCTURE DETAILS (2 OF 3)
STRUCTURE NO. 045-6054

SHEET NO. S14 OF S33 SHEETS

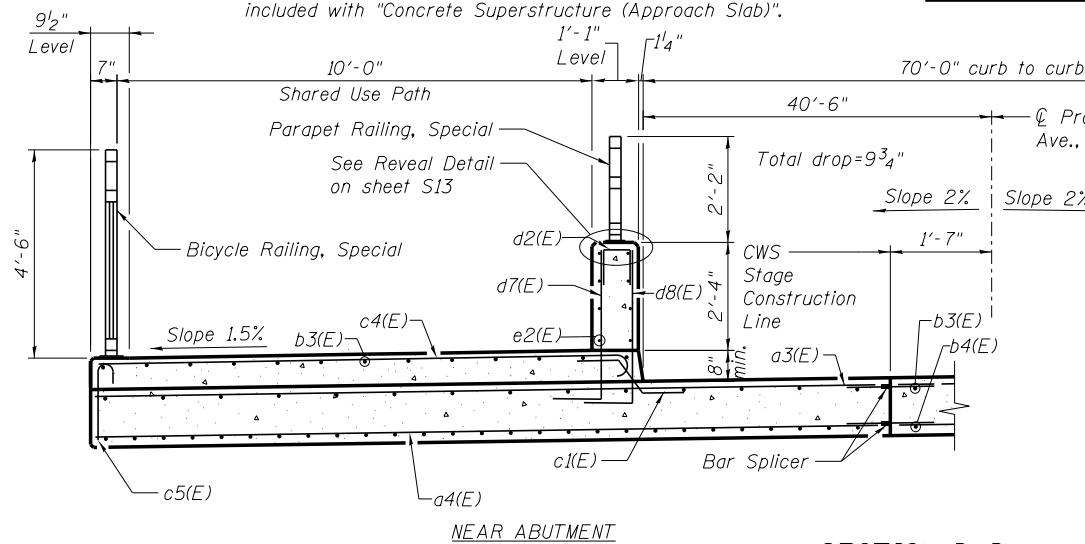
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360	18-00324-00-BR	KANE	124	81
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

**TWO APPROACHES
BILL OF MATERIAL**

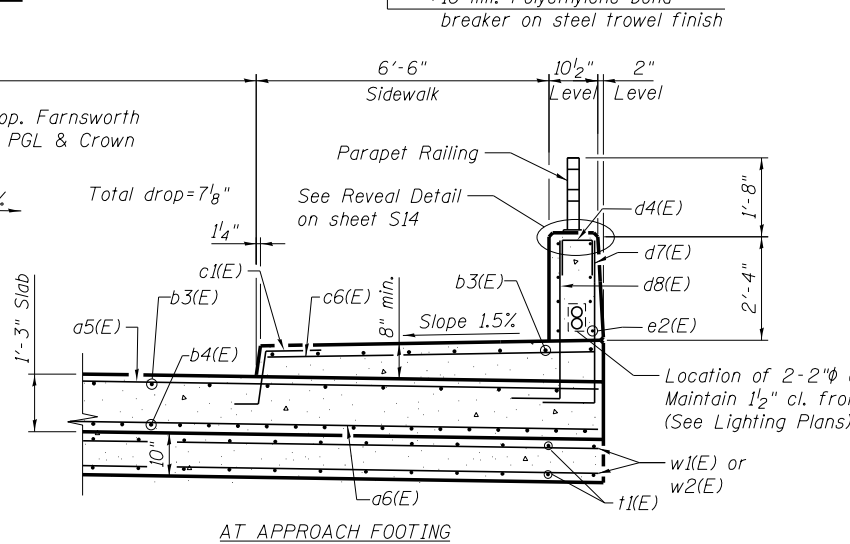
Bar	No.	Size	Length	Shape	
a3(E)	124	#5	26'-11"		
a4(E)	164	#8	27'-7"		
a5(E)	124	#5	20'-10"		
a6(E)	164	#8	21'-7"		
a8(E)	32	#5	6'-0"		
b3(E)	314	#5	19'-8"		
b4(E)	430	#9	19'-8"		
c1(E)	84	#5	2'-4"		
c4(E)	42	#5	11'-11"		
c5(E)	42	#5	2'-1"		
c6(E)	42	#5	7'-1"		
d2(E)	16	#4	2'-3"		
d4(E)	16	#4	2'-0"		
d6(E)	3	#6	2'-6"		
d7(E)	84	#4	4'-5"		
d8(E)	84	#6	4'-9"		
e2(E)	64	#4	9'-8"		
t1(E)	368	#4	9'-8"		
w1(E)	160	#5	26'-11"		
w2(E)	160	#5	20'-10"		
Concrete Superstructure				Cu. Yd.	28.1
Concrete Superstructure (Approach Slab)				Cu. Yd.	176.5
Concrete Structures				Cu. Yd.	55.2
Reinforcement Bars, Epoxy Coated				Pound	75,890



SECTION C-C

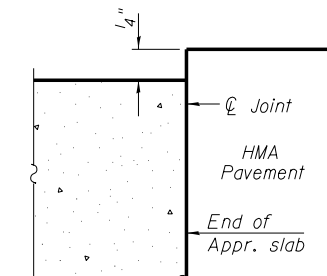


NEAR ABUTMENT

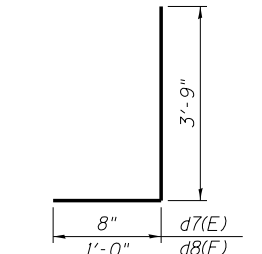


AT APPROACH FOOTING

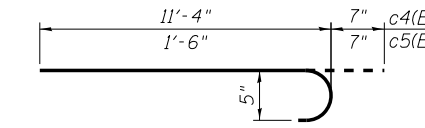
*Cost included with Concrete Superstructure (Approach Slab).
**Cost of additional tapered area included with HMA Binder Course pay item. See Roadway Plans.



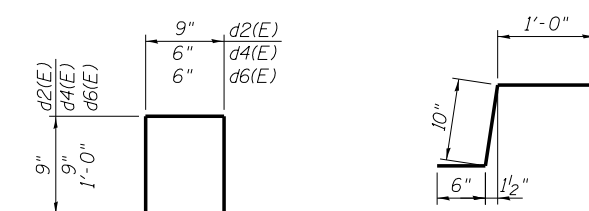
DETAIL A



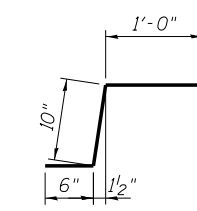
BARS d7(E) & d8(E)



BAR c4(E) & c5(E)



BAR d2(E), d4(E), & d6(E)



BAR c1(E)

NOTES:

- See sheet S17 for View B-B.
- Parapet concrete shall be paid for as Concrete Superstructure.
- Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
- Approach footing concrete shall be paid for as Concrete Structures.
- Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- For v4(E) bar details, see sheet S26.
- The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
- For bar splicer details, see sheet S27.
- Cost of excavation for approach footing included with Concrete Structures.
- For Granular Backfill for Structures and drainage treatment details, see sheet S2.
- For additional parapet details, including Parapet Joint Details, see sheets S13 & S14.
- Attach junction box to the back face of the East Parapet at the north end of the north approach per Highway Standard 812001 and the Lighting Plans.
- Attach junction box to the back face of the East Parapet at the south end of the south approach per Highway Standard 812001 and the Lighting Plans.

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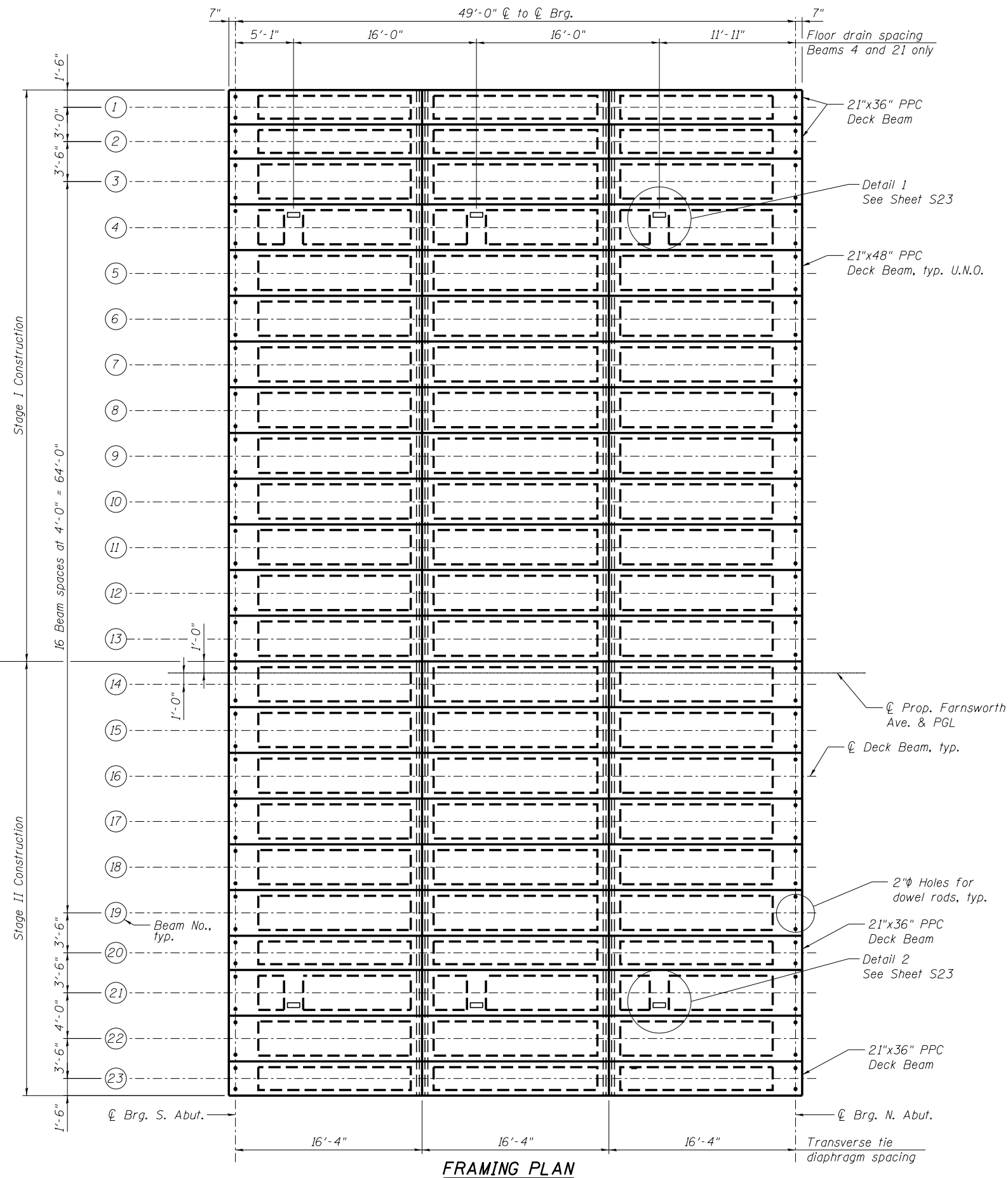
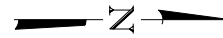
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DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS (2 OF 2)
STRUCTURE NO. 045-6054**

SHEET NO. S19 OF S33 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	86
CONTRACT NO. 61H40				

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FRAMING PLAN

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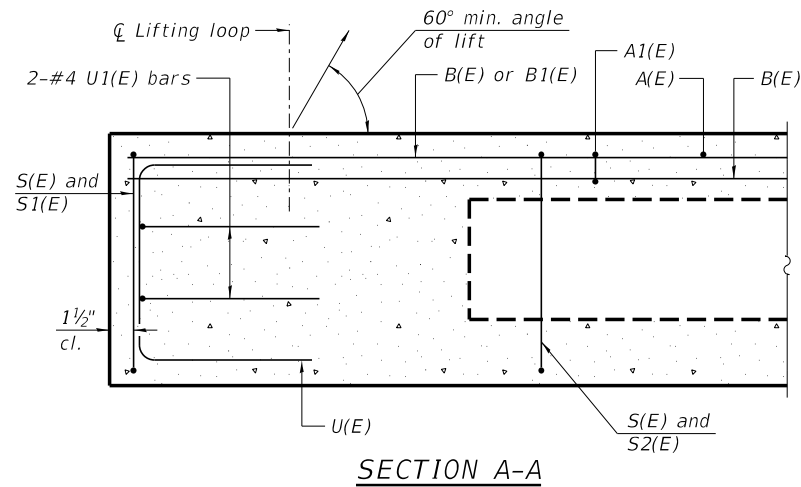
**STATE OF ILLINOIS
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**FRAMING PLAN
 STRUCTURE NO. 045-6054**

SHEET NO. S20 OF S33 SHEETS

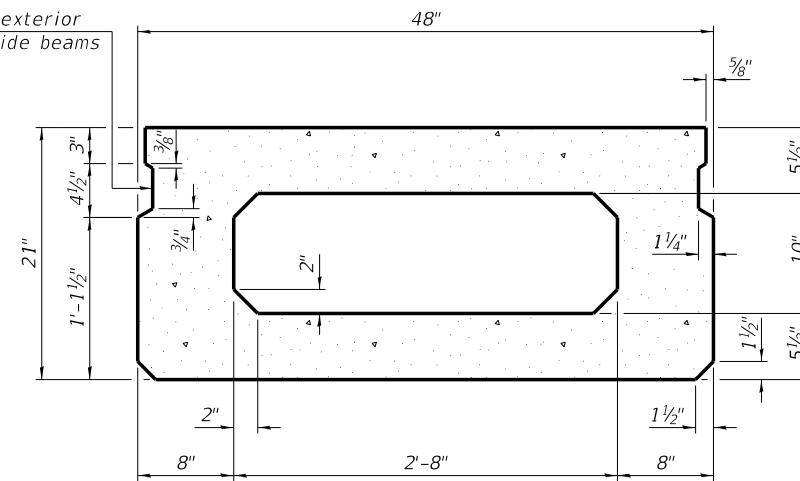
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H40				

ILLINOIS FED. AID PROJECT

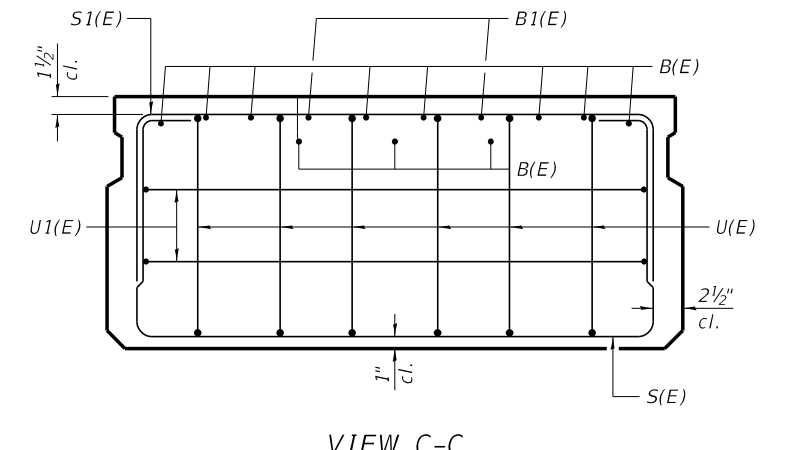


SECTION A-A

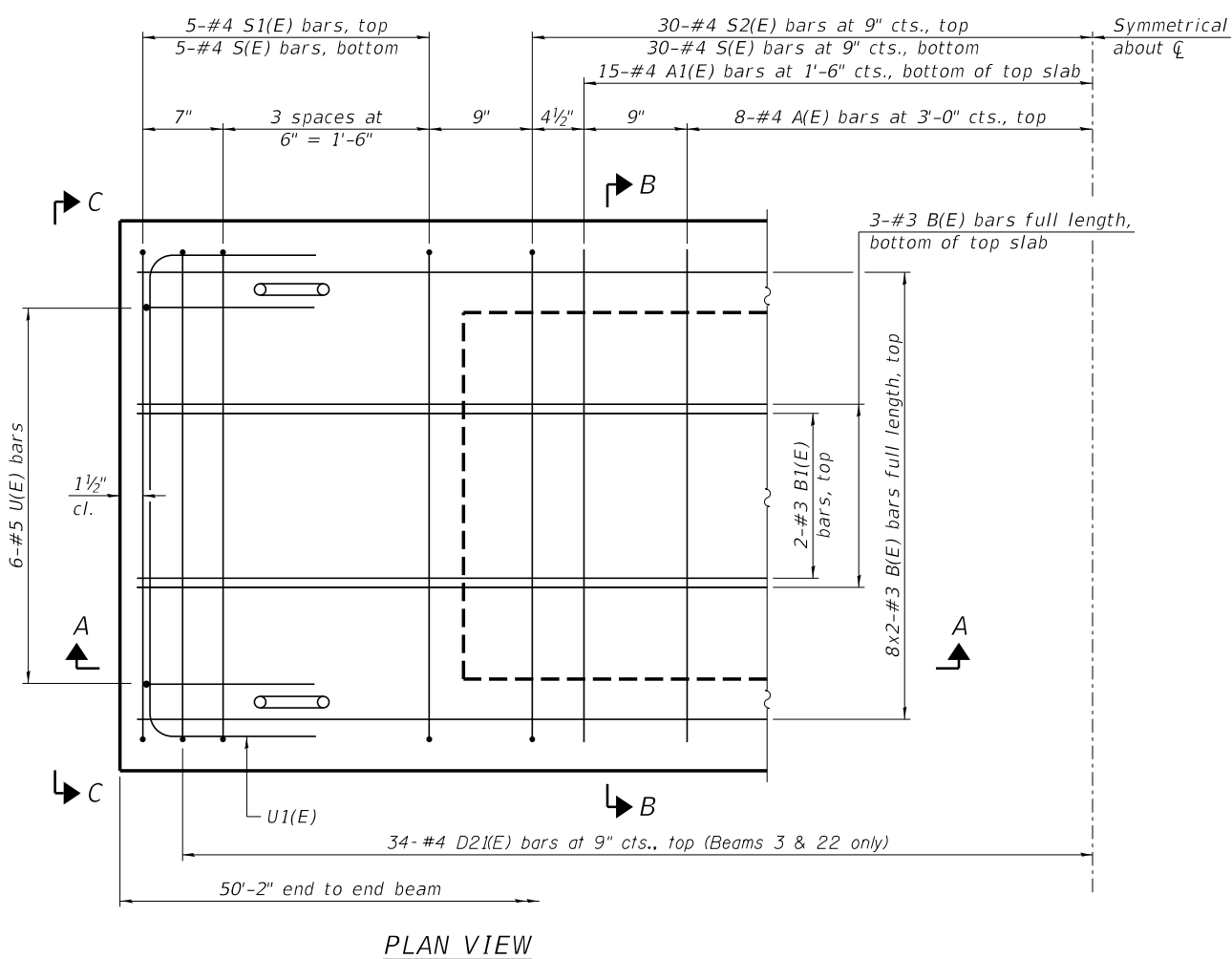
Omit key on exterior face of outside beams



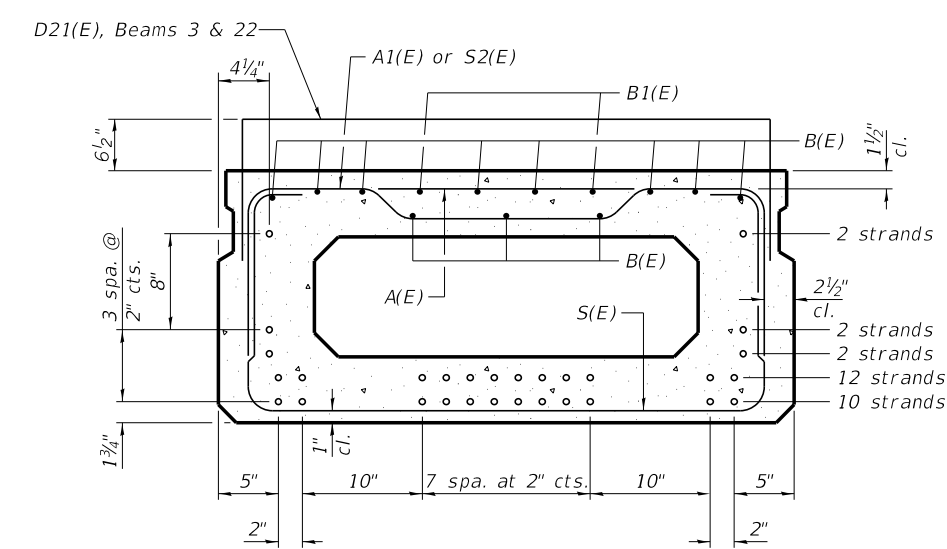
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	16	#4	3'-7"	—
A1(E)	30	#4	3'-10"	—
B(E)	16	#3	26'-0"	—
B1(E)	4	#3	10'-0"	—
*D21(E)	68	#4	6'-3"	□
S(E)	70	#4	7'-5"	□
S1(E)	10	#4	5'-11"	□
S2(E)	60	#4	6'-2"	□
U(E)	12	#5	4'-0"	□
U1(E)	4	#4	6'-0"	□
**U2(E)	4	#4	6'-4"	□

*D21(E) bar for Beams 3 and 22 only
**U2(E) bars for beams 4 and 21 only

NOTES:

- Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
- Bars indicated thus 5x3-#5 etc. indicates 5 lines of bars with 3 lengths per line.
- See Sheet S23 for additional reinforcement in beams at floor drain locations.
- See sheet S22 for additional details and Bill of Material.

MINIMUM BAR LAP
#3 bar = 1'-6"

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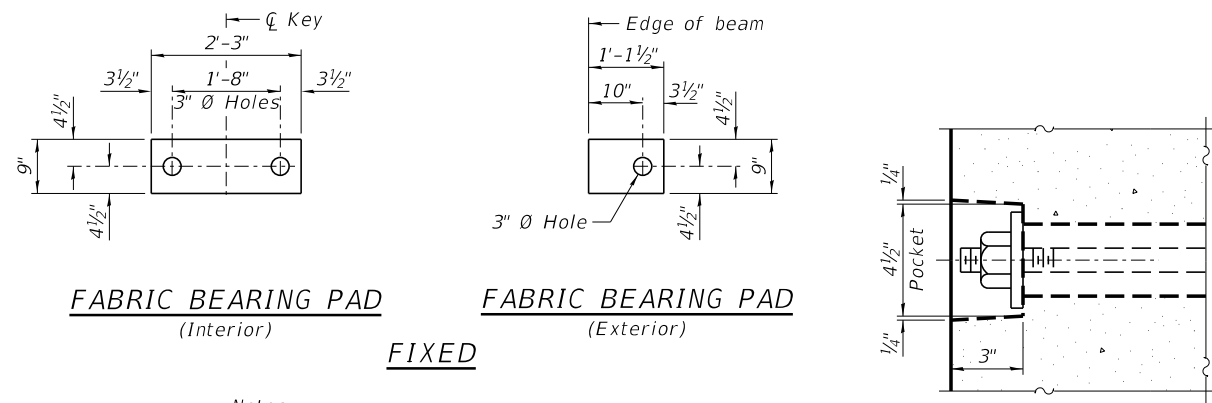
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PLOT DATE = 11/2/2021	DRAWN - AJB	REVISED -
	CHECKED - SLV	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21" x 48" PPC DECK BEAM
STRUCTURE NO. 045-6054
SHEET NO. S21 OF S33 SHEETS

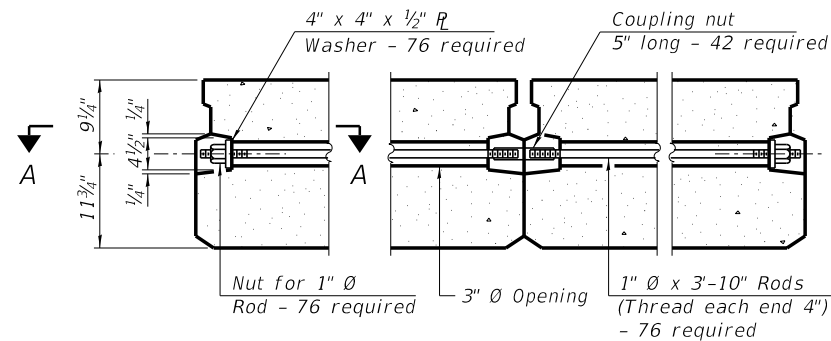
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360	18-00324-00-BR	KANE	124	88
CONTRACT NO. 61H40				

ILLINOIS FED. AID PROJECT



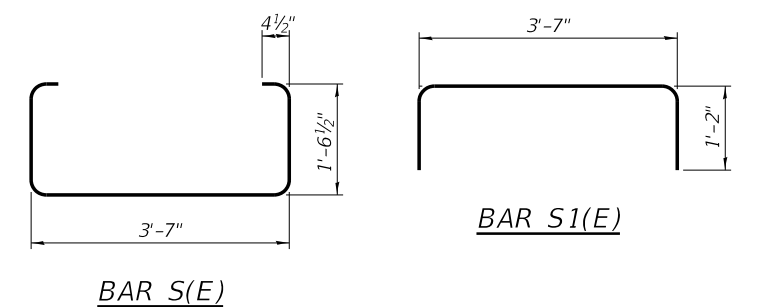
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Notes:
 All bearing pads shall be 1" thick.

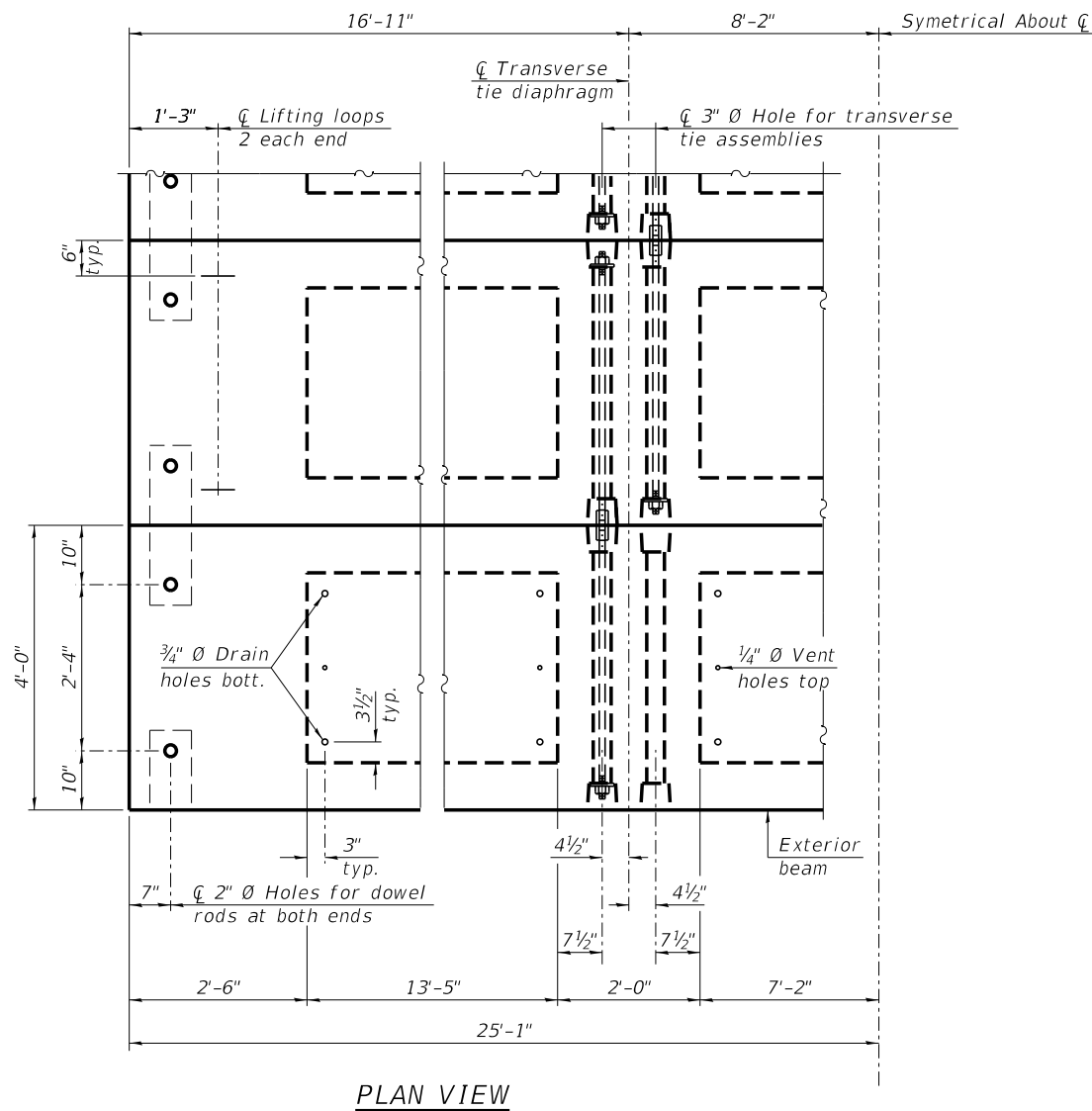


TYPICAL TRANSVERSE TIE ASSEMBLY

The coupling nuts quantified here are for when connecting a 36" to 48" beam and a 48" to 48" beam. The coupling nuts quantity required as shown on sheet S23 includes the couplings for when connecting a 36" to 36" beam.



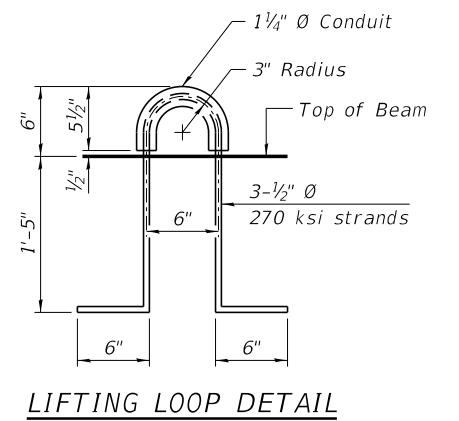
SECTION A-A



Note:
 Connect beams in pairs with the transverse tie configuration shown.

NOTES

1. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
2. The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
3. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
4. A minimum 2 1/2" Ø lifting pin shall be used to engage the lifting loops during handling.
5. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
6. Compressive strength of prestressed concrete, f'c, shall be 6,000 psi.
7. Compressive strength of prestressed concrete at release, f'ci, shall be 5,000 psi.



BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	3,813
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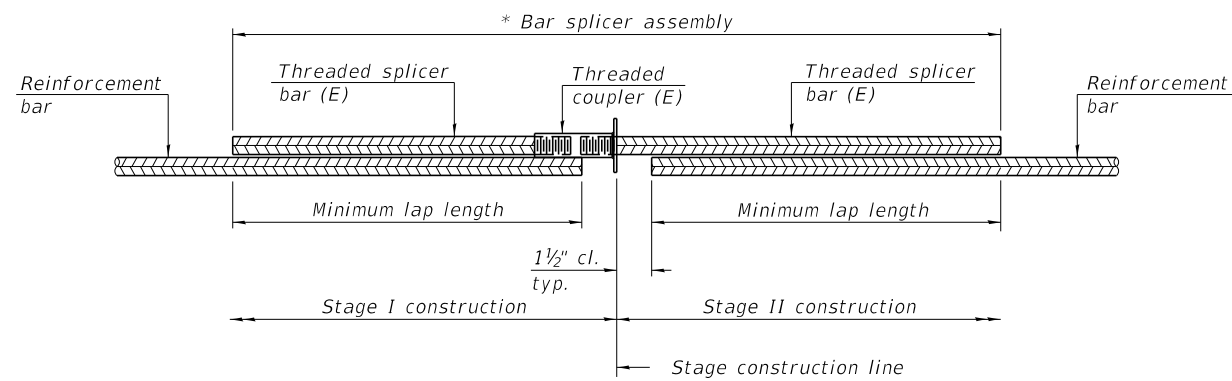
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	CHECKED - SLV	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**21" x 48" PPC DECK BEAM DETAILS (1 OF 2)
 STRUCTURE NO. 045-6054**

SHEET NO. S22 OF S33 SHEETS

F.A.P. RTE. 360	SECTION 18-00324-00-BR	COUNTY KANE	TOTAL SHEETS 124	SHEET NO. 89
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H40	

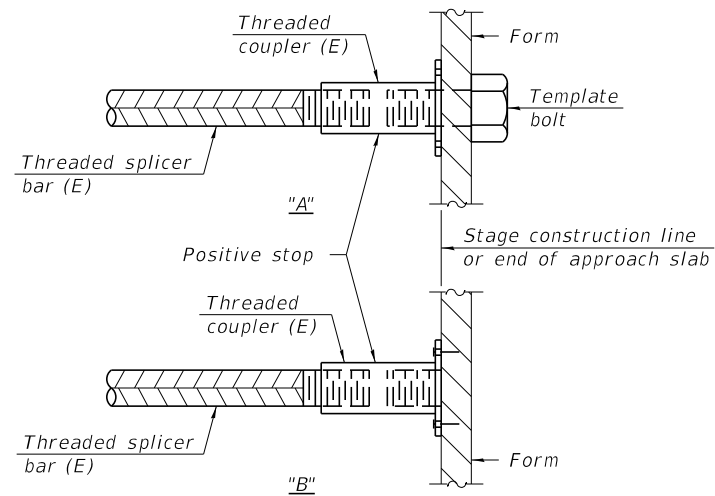


STANDARD BAR SPLICER ASSEMBLY PLAN
(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Concrete Wearing Surface a1(E) to a2(E)	#4	52	2'-5"
Approach Slab a3(E) to a5(E)	#5	62	3'-4"
Approach Slab a4(E) to a6(E)	#8	82	4'-9"
Approach Slab Footing w1(E) to w2(E)	#5	80	3'-7"
Abutment p(E) to p1(E)	#8	20	5'-9"
Abutment p2(E) to p3(E)	#5	8	3'-7"

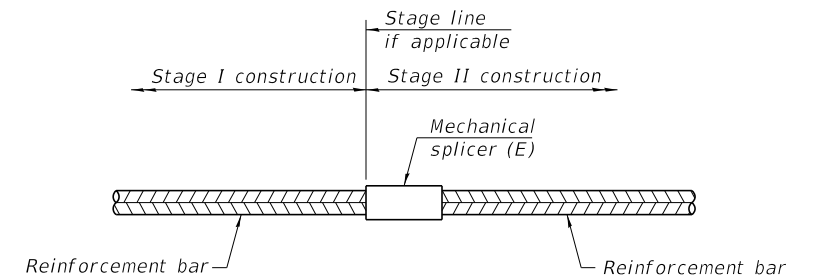


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

1-1-2020



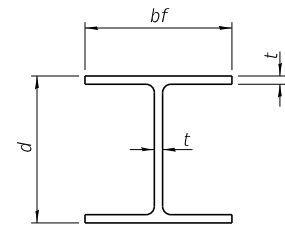
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PLOT DATE = 11/2/2021	CHECKED - SLV	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 045-6054**

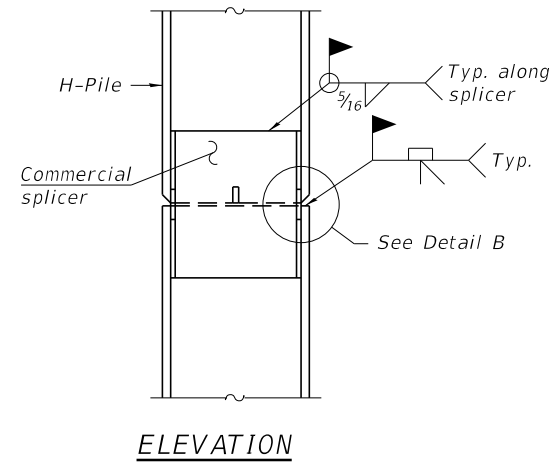
SHEET NO. S27 OF S33 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H40	

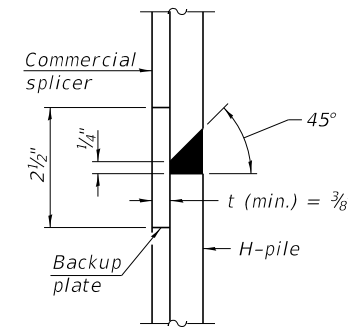


STEEL PILE TABLE

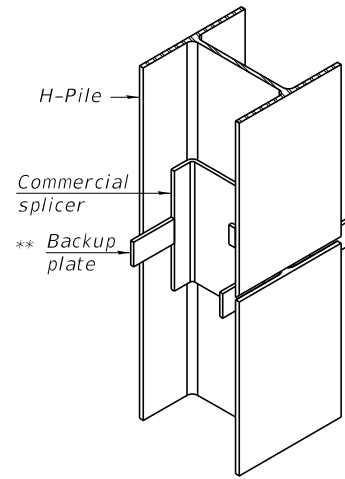
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

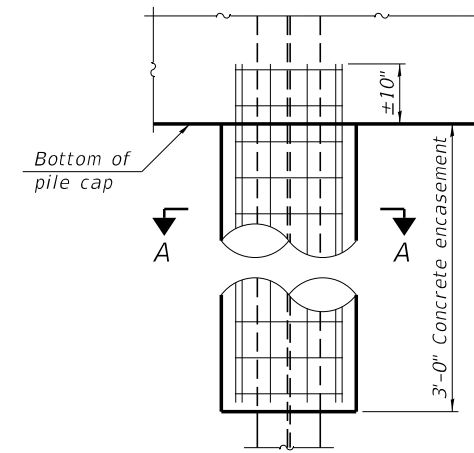


DETAIL "B"

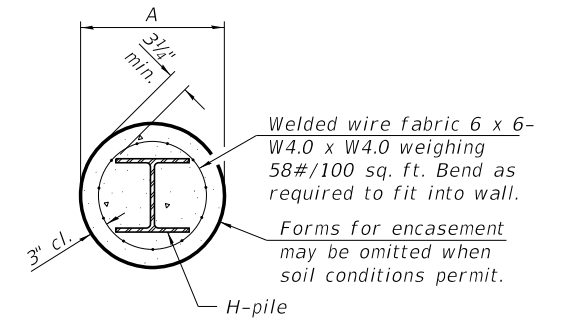


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

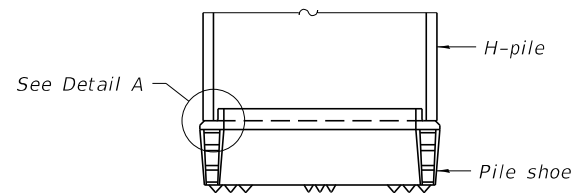


ELEVATION

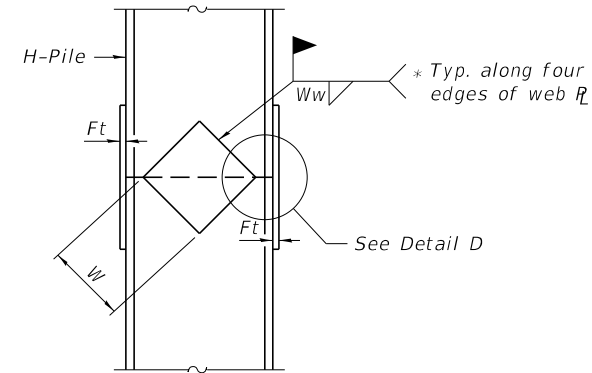


SECTION A-A

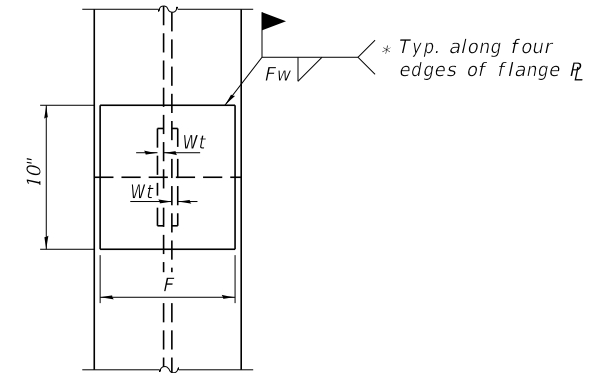
INDIVIDUAL PILE CONCRETE ENCASUREMENT (when specified)



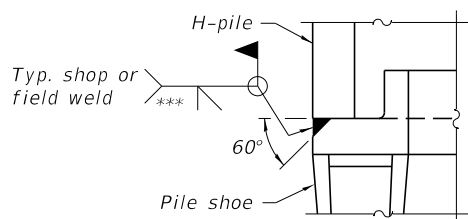
ELEVATION



ELEVATION

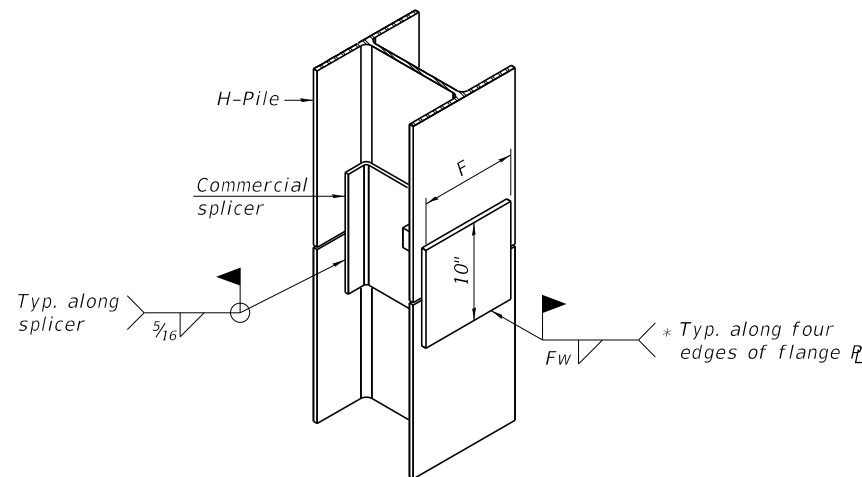


END VIEW



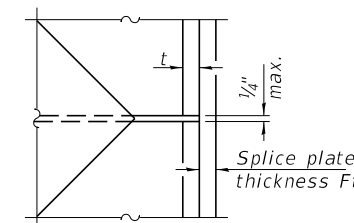
DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

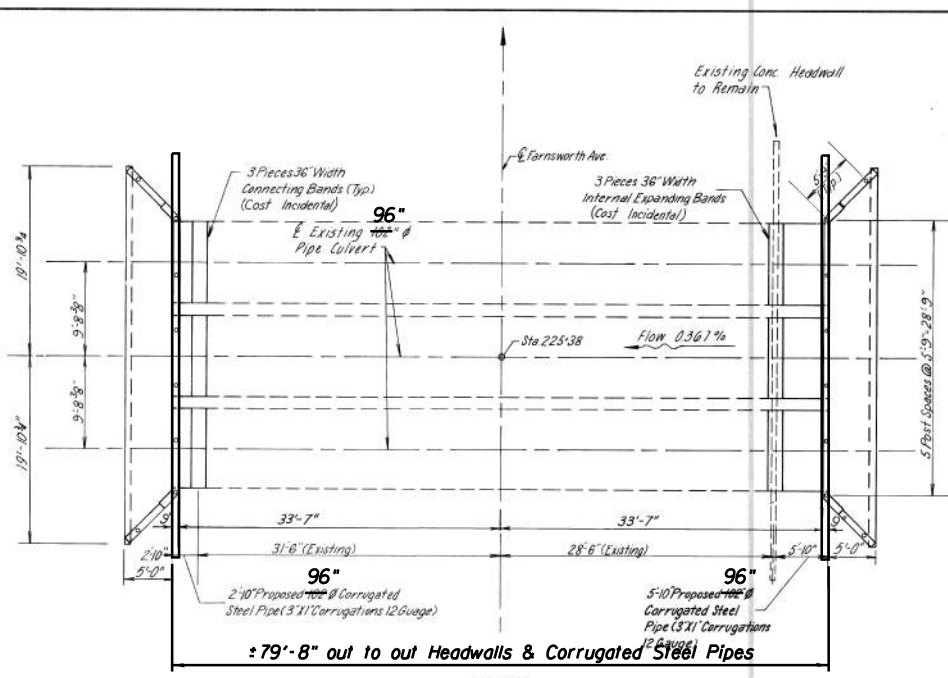
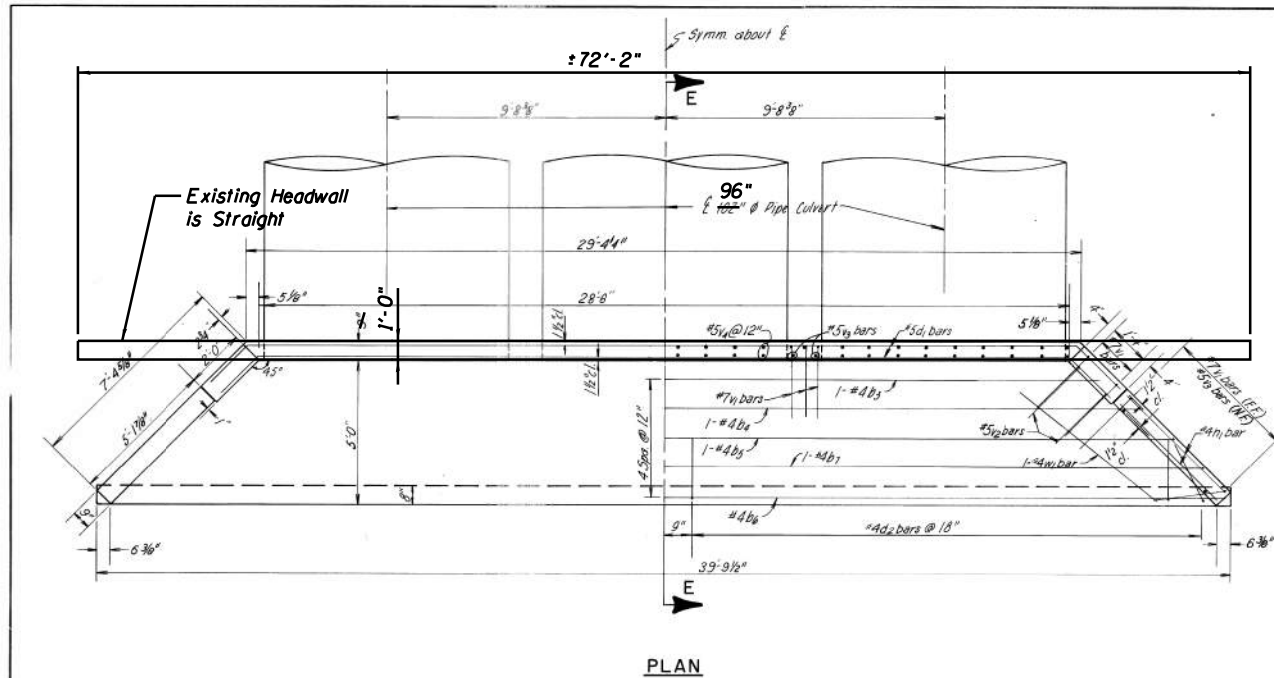
* Interrupt welds 1/4" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

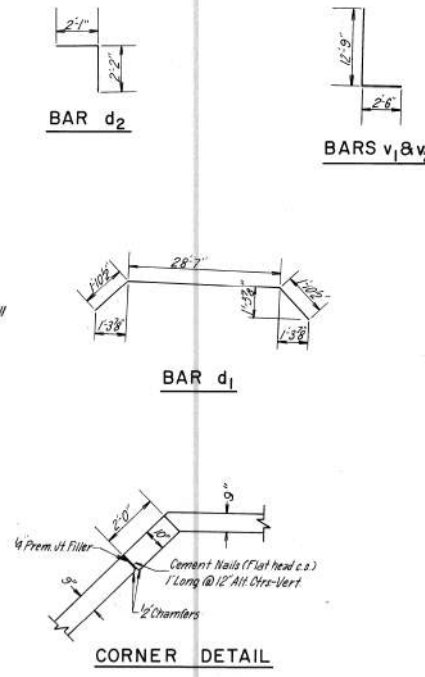
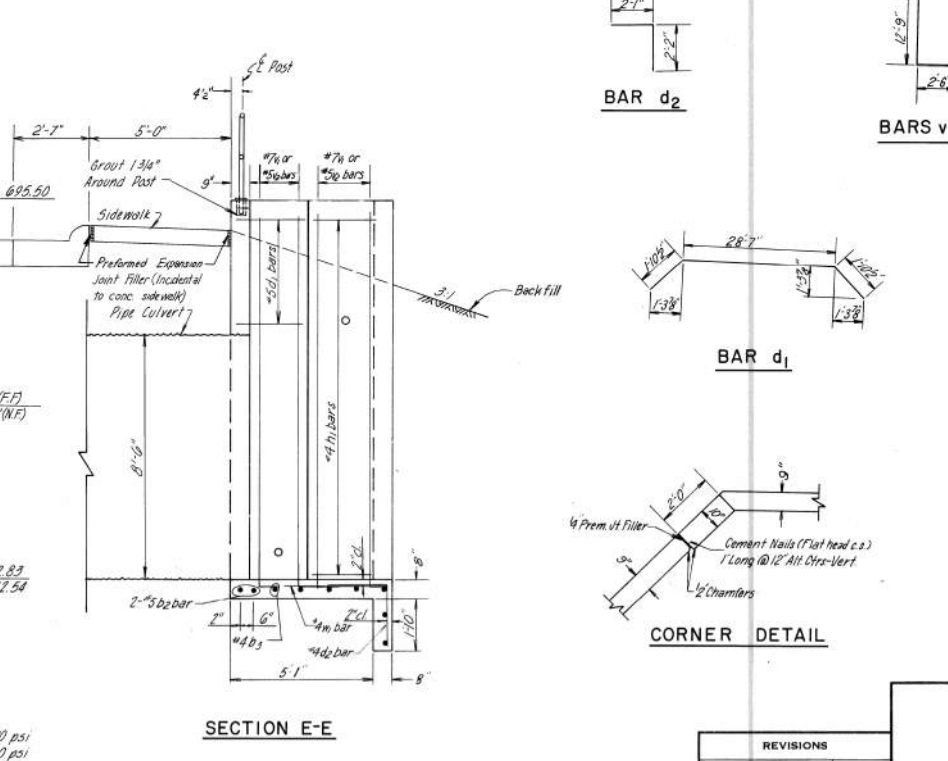
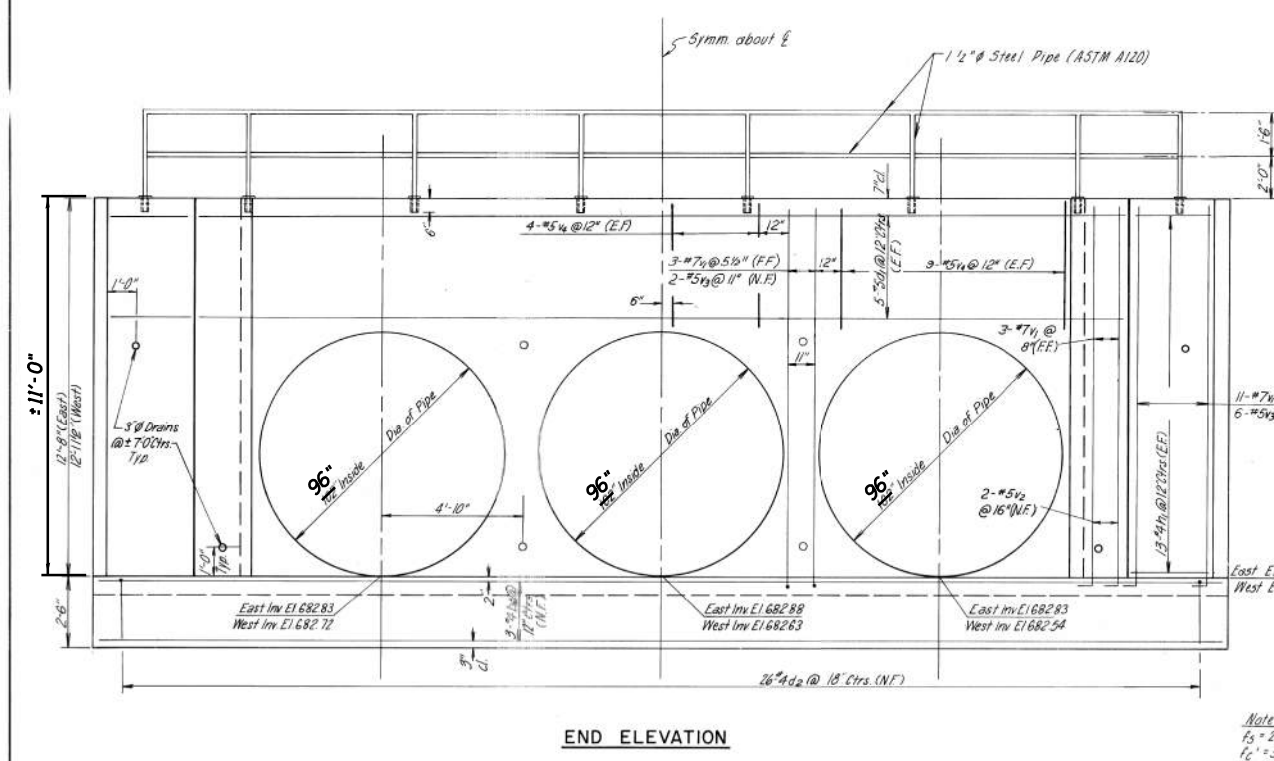
*** Weld size per pile shoe manufacturer (5/16" min.).

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2522	#	Kane	124	102
STA. TO STA.		# 76-00102-01-BR		
FED. ROAD DIST. NO. 7		# 1376-120-V8		
ILLINOIS		FED. AID PROJECT M-5172(5)		



Notes
 Class 'X' Concrete shall be used throughout. The cost of furnishing and installing cement nails and pre-molded joint filler shall be included in the contract unit price for Class 'X' Concrete Headwall. For Pipe Handrail, see Std. Specs.



***BILL OF MATERIAL**

BAR NUMBER	SIZE	LENGTH
b ₂	#5	30'-3"
b ₃	#4	31'-0"
b ₄	#4	33'-0"
b ₅	#4	35'-0"
b ₆	#4	39'-3"
b ₇	#4	37'-0"
d ₁	#5	32'-4"
d ₂	#4	4'-3"
h ₁	#4	4'-9"
v ₁	#7	15'-3"
v ₂	#5	15'-3"
v ₃	#5	12'-9"
v ₄	#5	4'-3"
w ₁	#4	6'-0"

Reinforcement Bars	Lbs.	540
Class 'X' Concrete Headwalls	Cu.Yds.	44.7
102" Dia Corrugated Pipe	Ln. Ft.	26.0
1 1/2" Dia Handrail	Ln. Ft.	82
Structure Excavation	Cu.Yds.	183.0

* For Two Headwalls

Note
 f_s = 20,000 psi
 f_c = 3,500 psi
 N.F. = Near Face
 F.F. = Far Face
 E.F. = Each Face

NOTE:
 As-Built drawings of the existing pipe culvert and headwalls are not available. This drawing depicts details that are similar to the existing pipe culvert and headwalls for this project. Additional call outs and line work showing differences between this sample drawing and existing conditions for this project are provided (in bold) for information only and bidding purposes.

FOR INFORMATION ONLY

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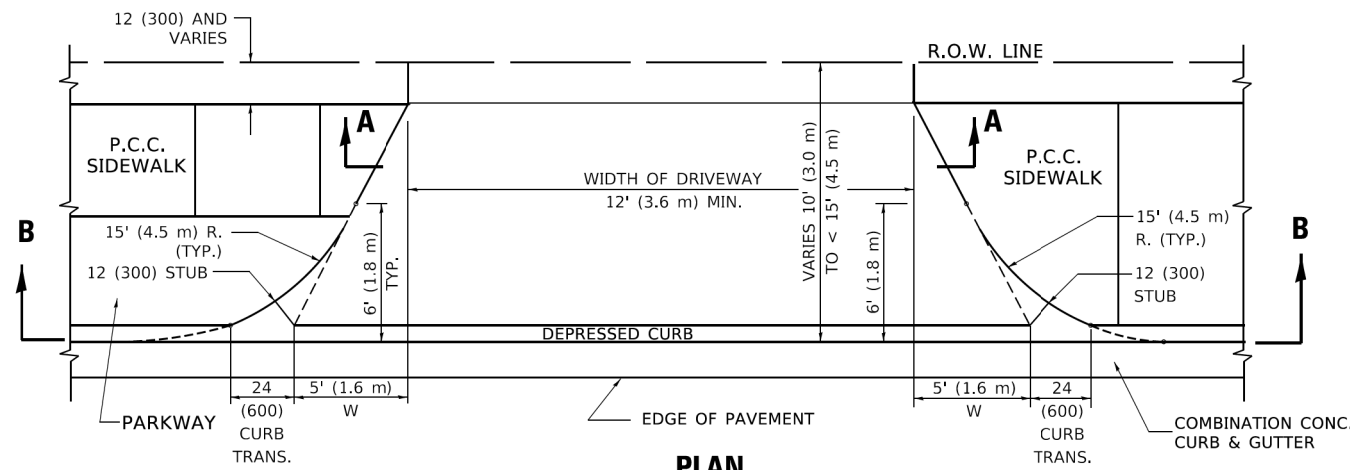


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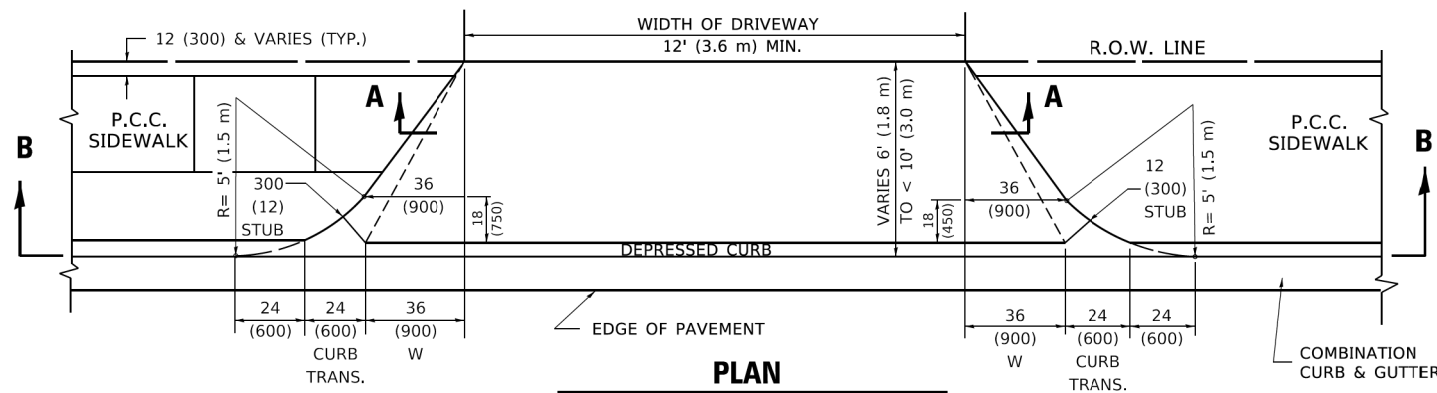
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING PLAN
 STRUCTURE NO. 045-6054**

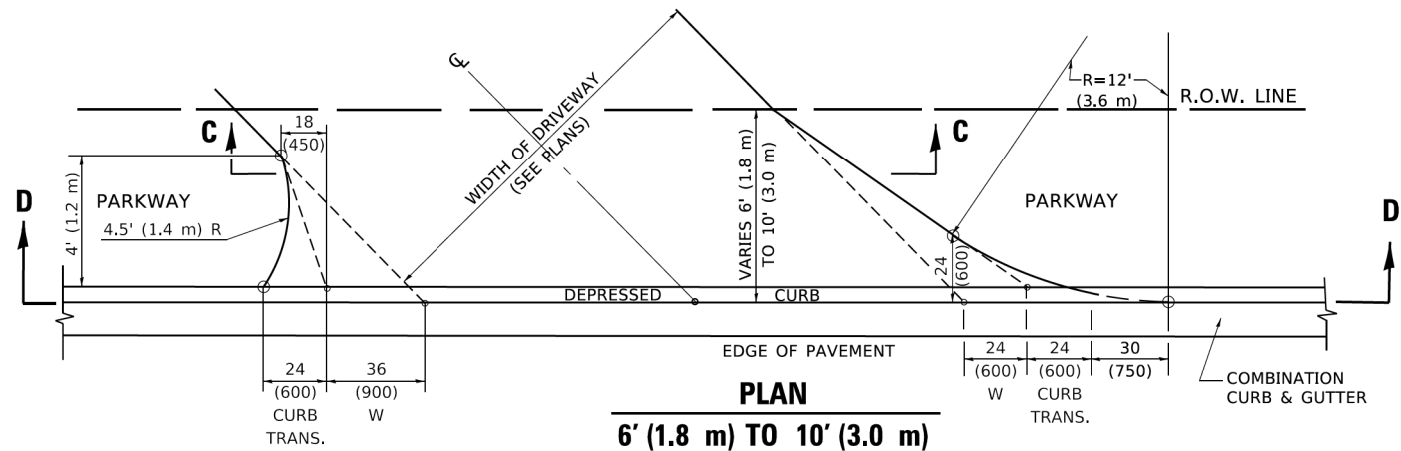
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			CONTRACT NO. 61H40	
ILLINOIS FED. AID PROJECT				



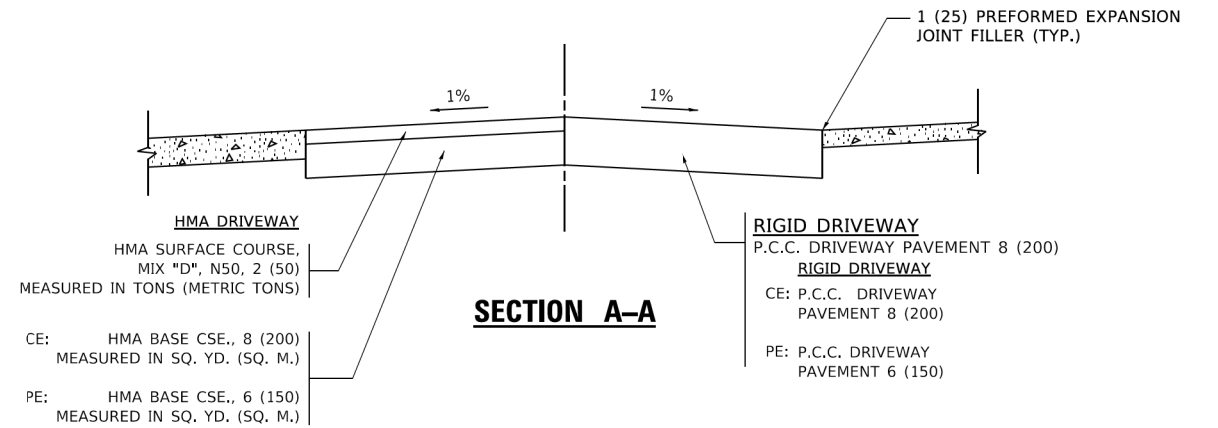
PLAN
10' (3.0 m) TO < 15' (4.5 m)



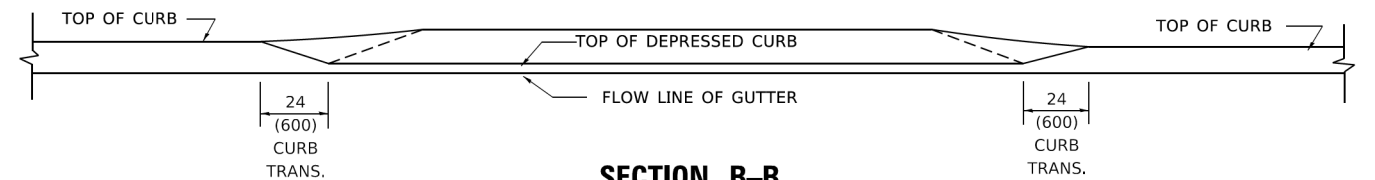
PLAN
6' (1.8 m) TO < 10' (3.0 m)



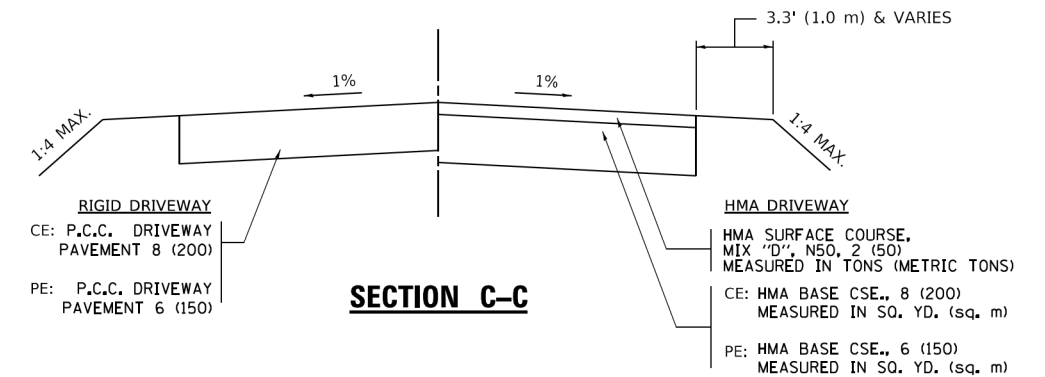
PLAN
6' (1.8 m) TO 10' (3.0 m)



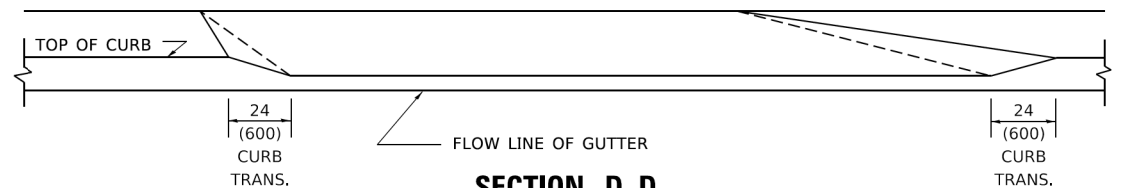
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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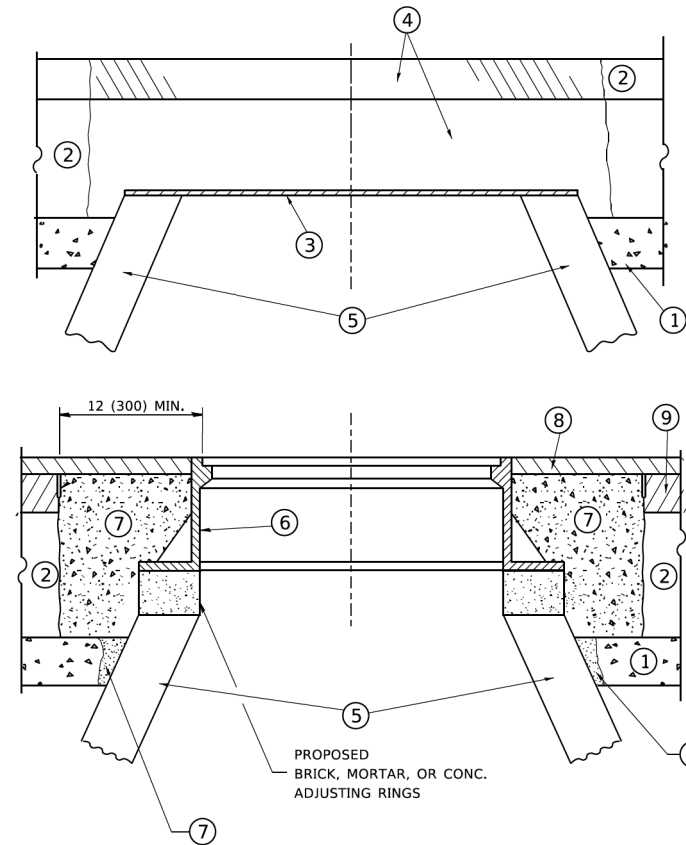


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PLOT DATE = 11/2/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)	
SCALE: NONE	SHEET 1 OF 9 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	101
BD400-02 (BD-02)			CONTRACT NO. 61H40	
ILLINOIS FED. AID PROJECT				



NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 * CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE SHEET 2 OF 9 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-03 (BD-08)		CONTRACT NO. 61H40		
ILLINOIS FED. AID PROJECT				

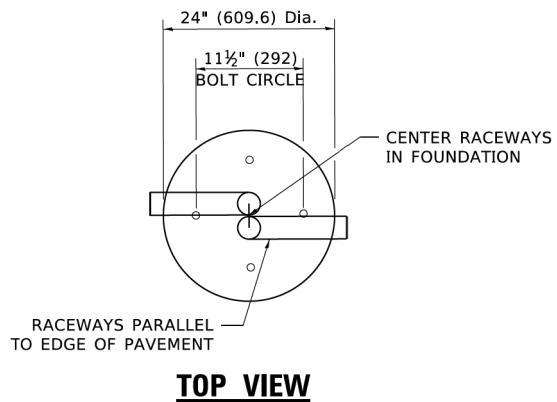
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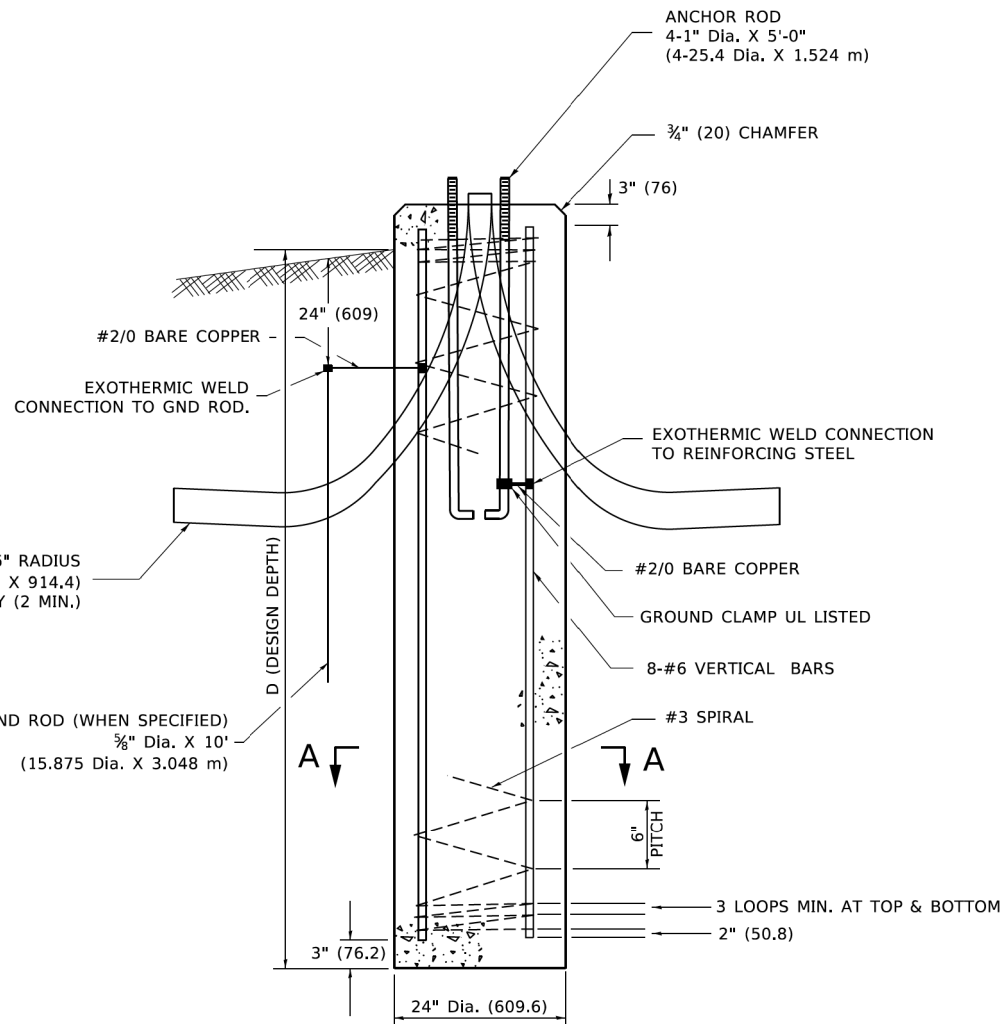
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PLOT DATE = 11/2/2021	DATE - 11/03/2021	REVISED -

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



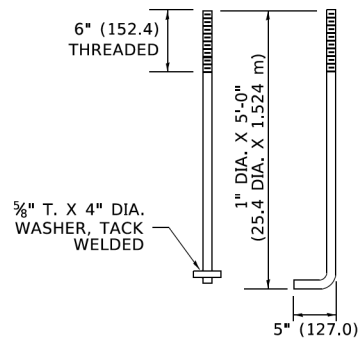
TOP VIEW



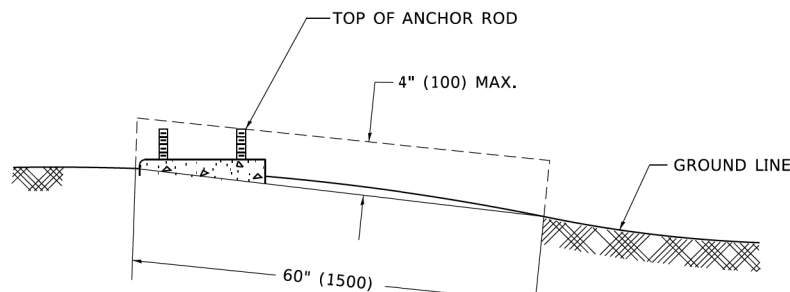
FOUNDATION DETAIL

NOTES

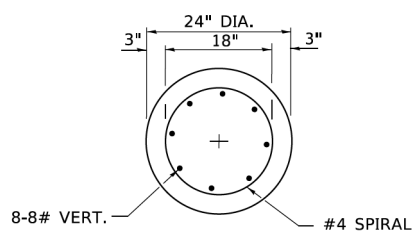
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

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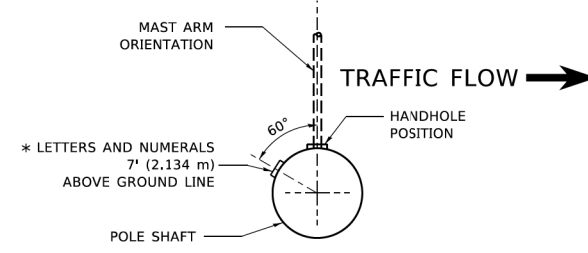


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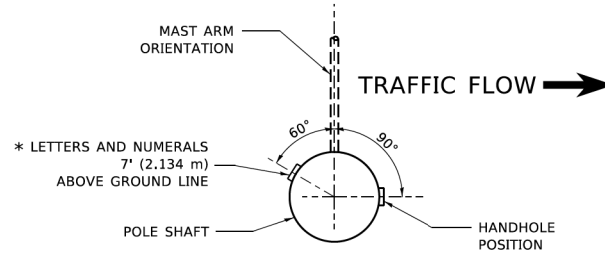
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE
SCALE: NONE SHEET 3 OF 9 SHEETS STA. 12+24.05 TO STA. 17+22.53

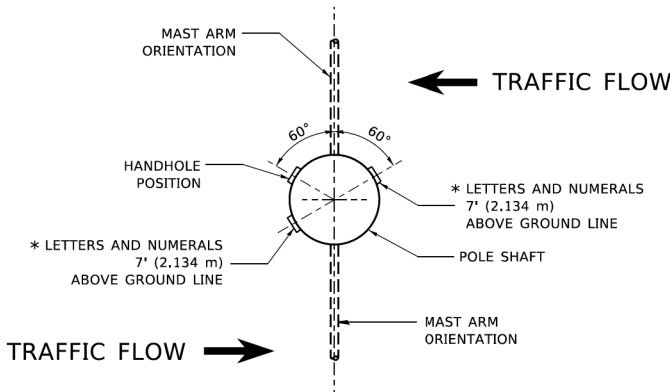
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BE-300		CONTRACT NO. 61H40		
ILLINOIS FED. AID PROJECT				



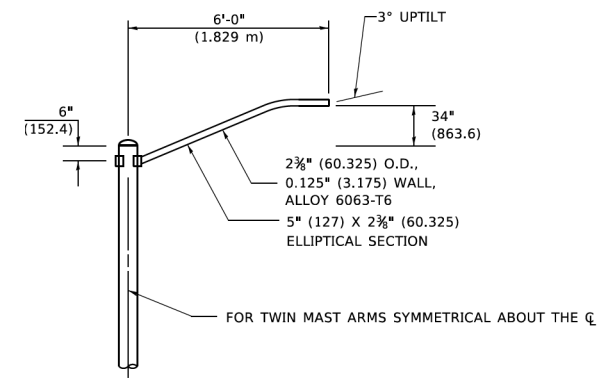
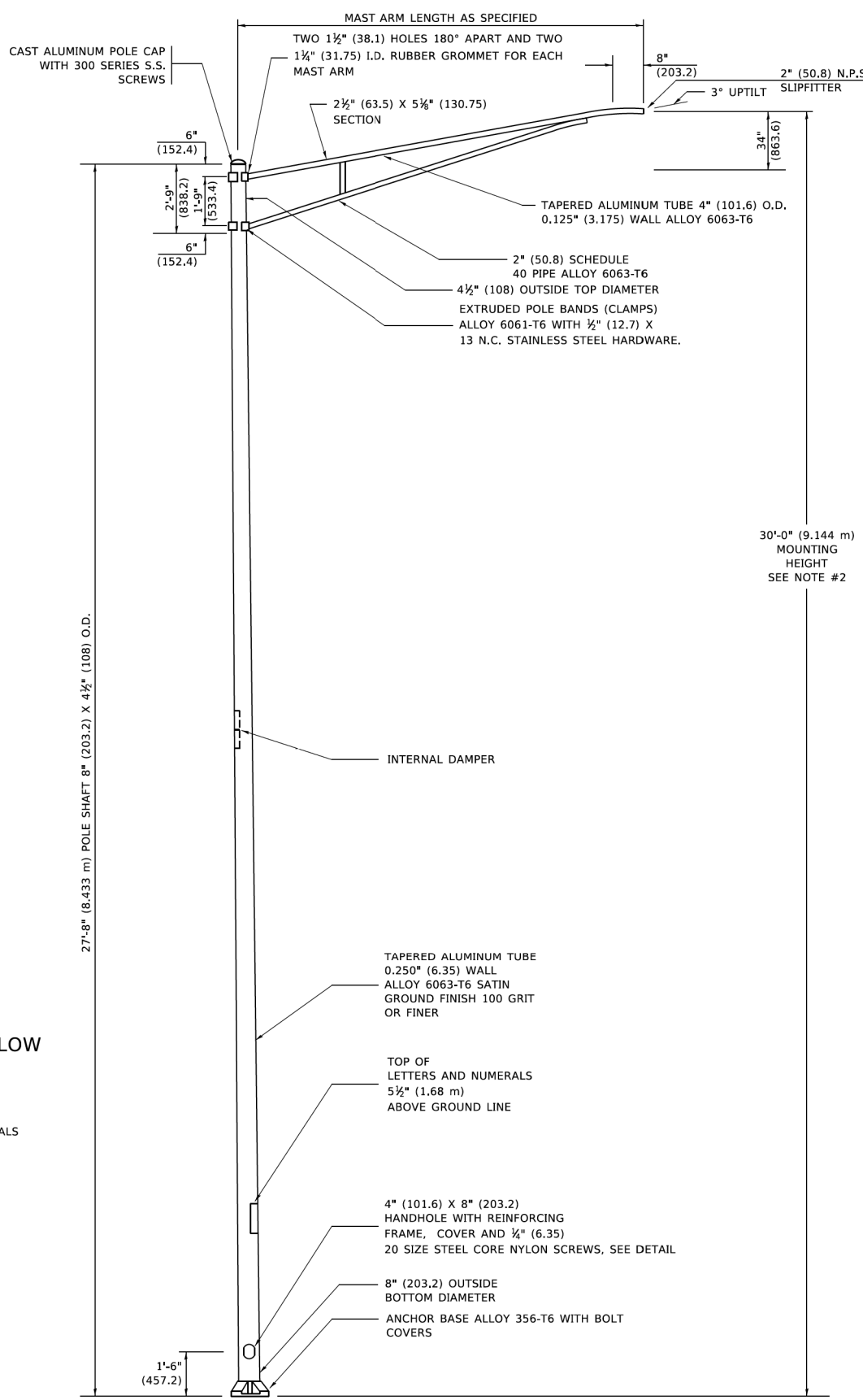
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



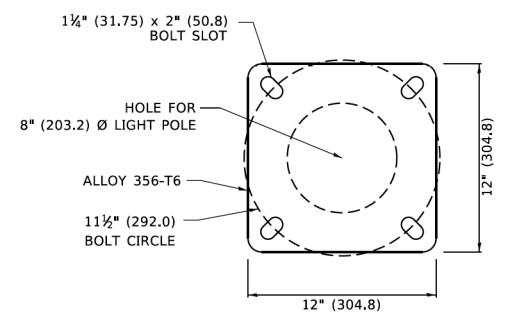
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

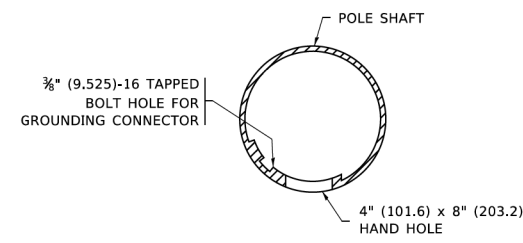


6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



LIGHT POLE BASE PLATE DETAIL

11 1/2" (292.0) BOLT CIRCLE



HANDHOLE DETAIL

(N.T.S.)

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

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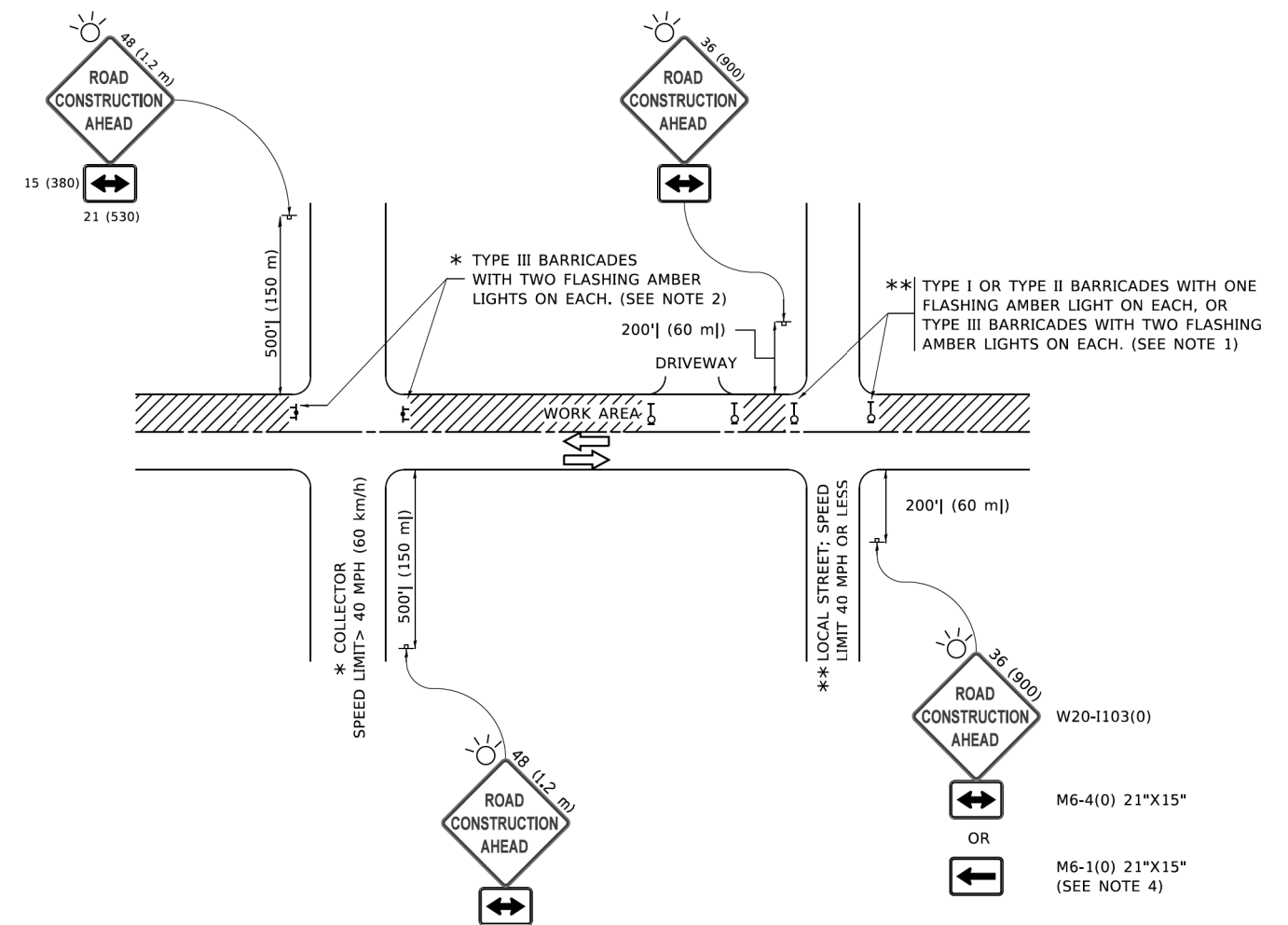


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PLOT DATE = 11/2/2021	CHECKED - PJO	REVISED -
	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALUMINUM LIGHT POLE	
30'-0" (9.144 m) MOUNTING HEIGHT	
SCALE: NONE	SHEET 4 OF 9 SHEETS
STA. 12+24.05	TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	104
BE-403		CONTRACT NO. 61H40		
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) 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. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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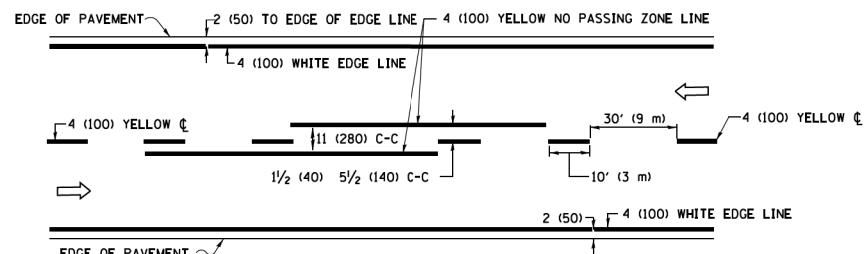
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

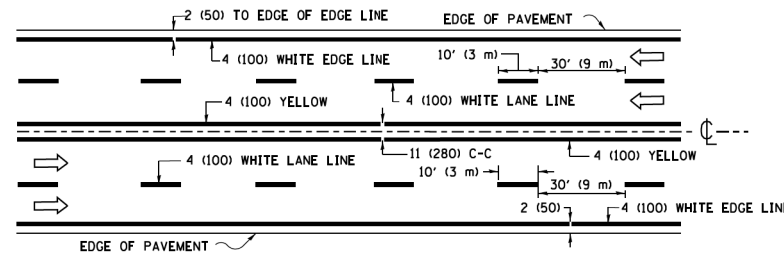
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET 5 OF 9 SHEETS STA. 12+24.05 TO STA. 17+22.53

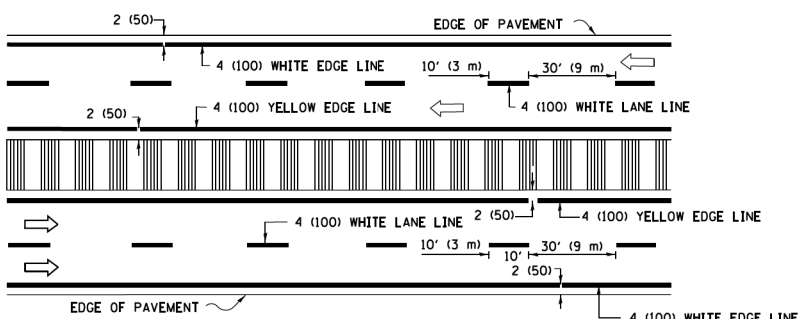
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TC-10			CONTRACT NO. 61H40	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

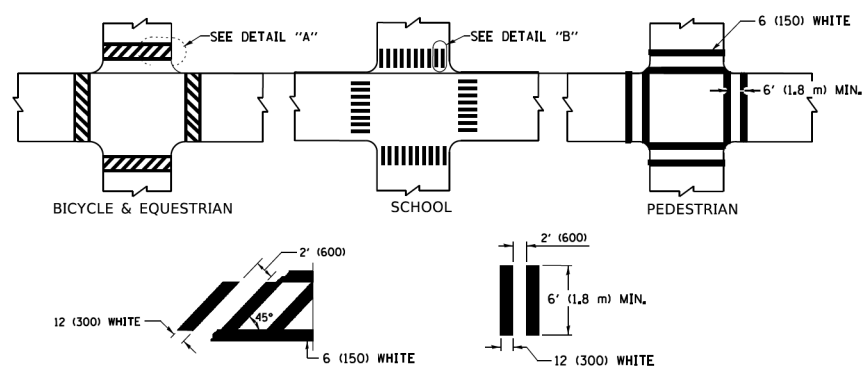


MULTI-LANE UNDIVIDED



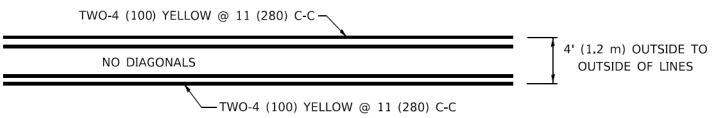
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

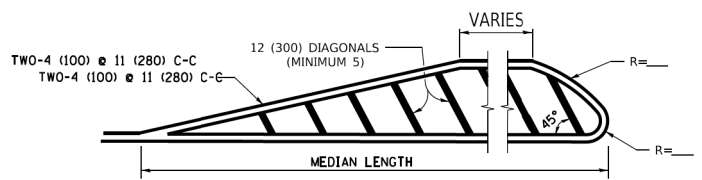


TYPICAL CROSSWALK MARKING

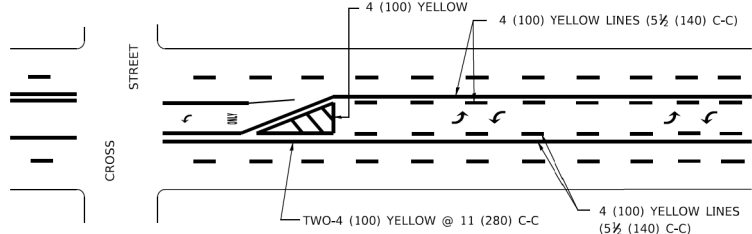
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



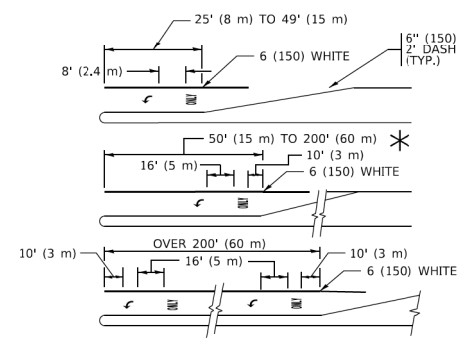
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



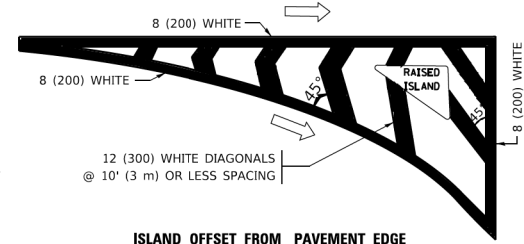
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



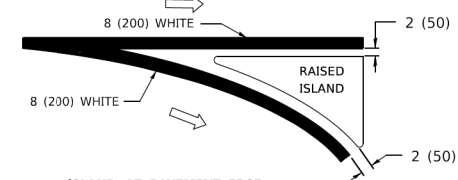
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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".

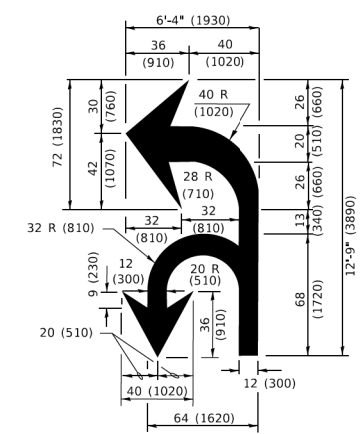


ISLAND OFFSET FROM PAVEMENT EDGE

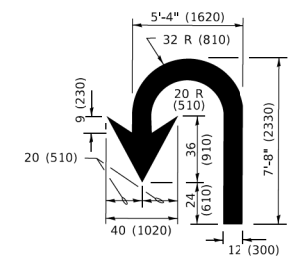


ISLAND AT PAVEMENT EDGE

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 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2' (600) APART 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) 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" 15' 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.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
TYPICAL PAVEMENT MARKINGS		18-00324-00-BR		KANE		124		106	
SCALE: NONE		SHEET 6 OF 9 SHEETS		STA. 12+24.05 TO STA. 17+22.53		ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 61H40	
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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

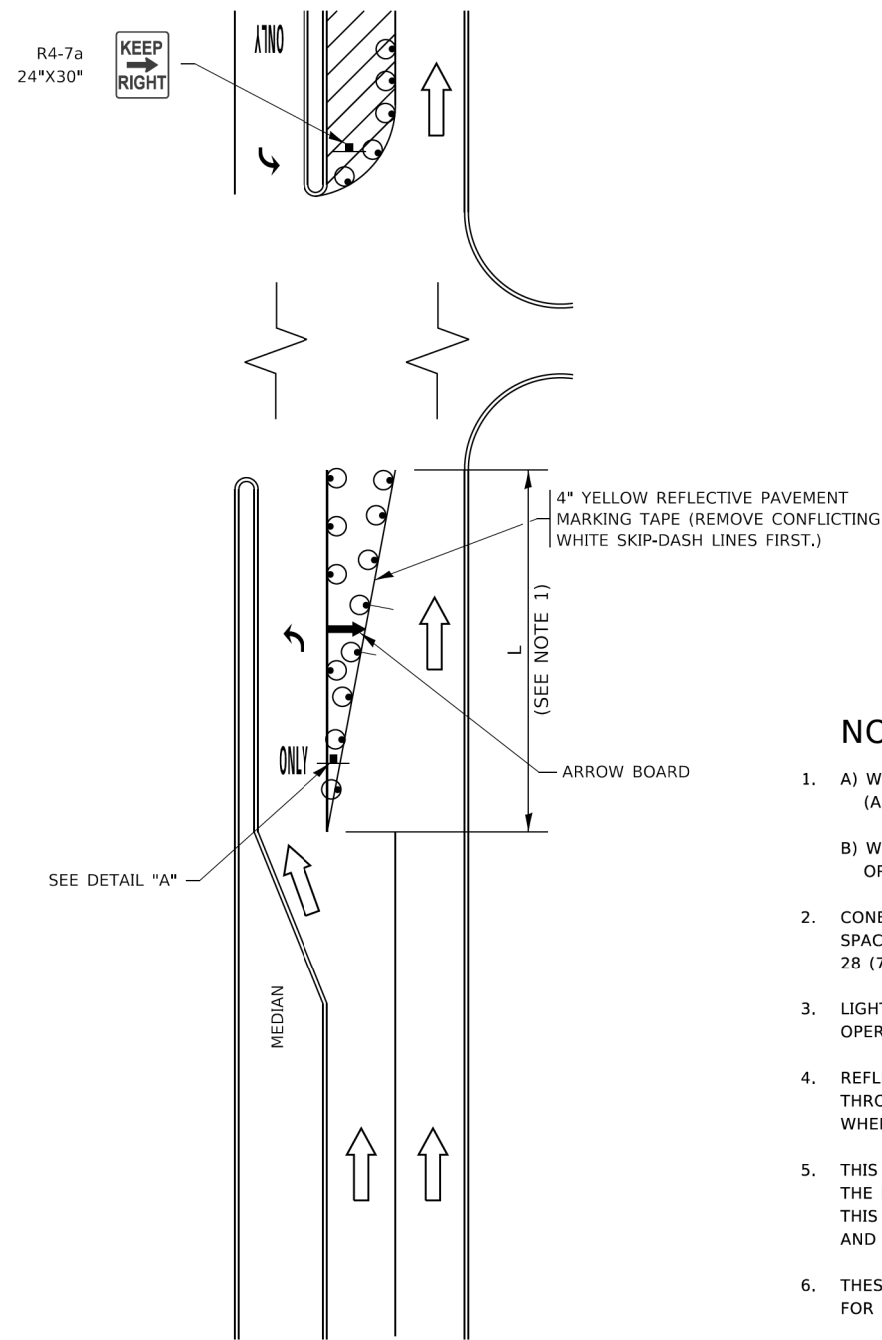


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

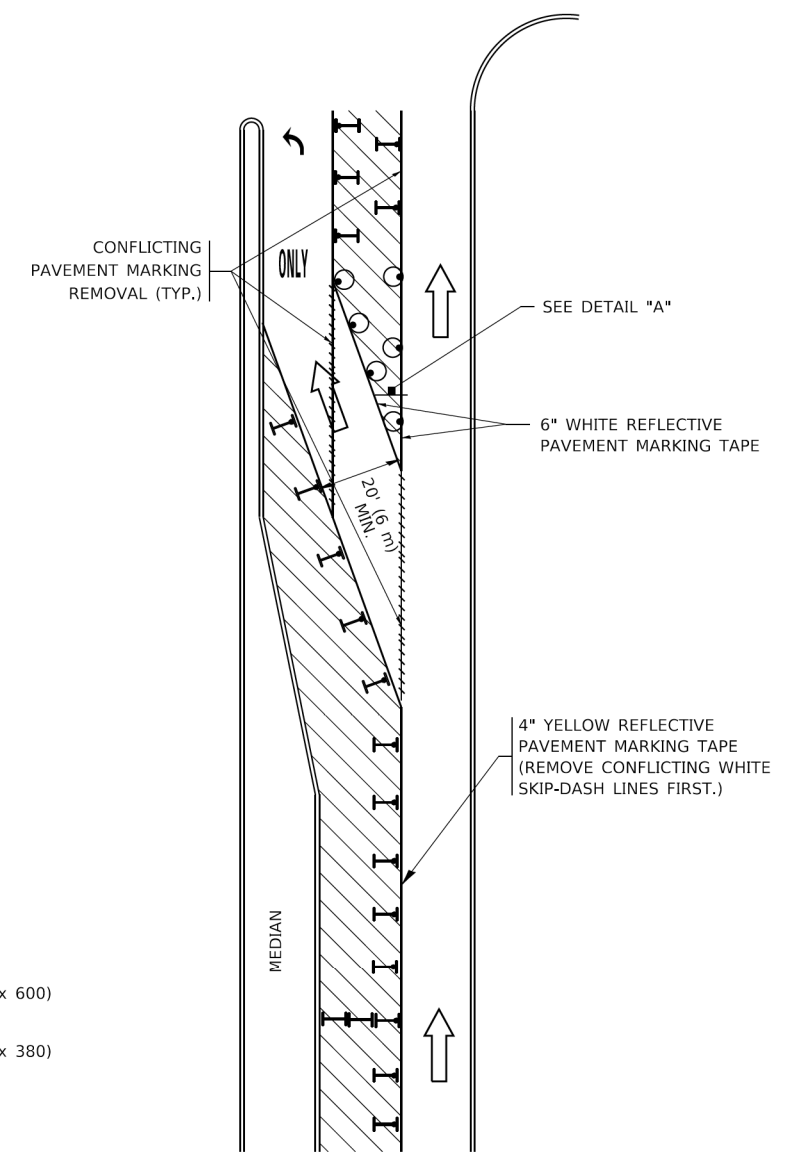


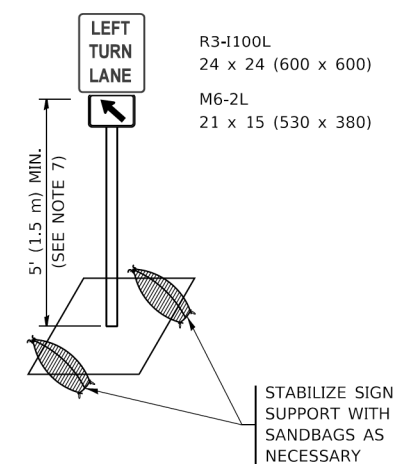
FIGURE 2

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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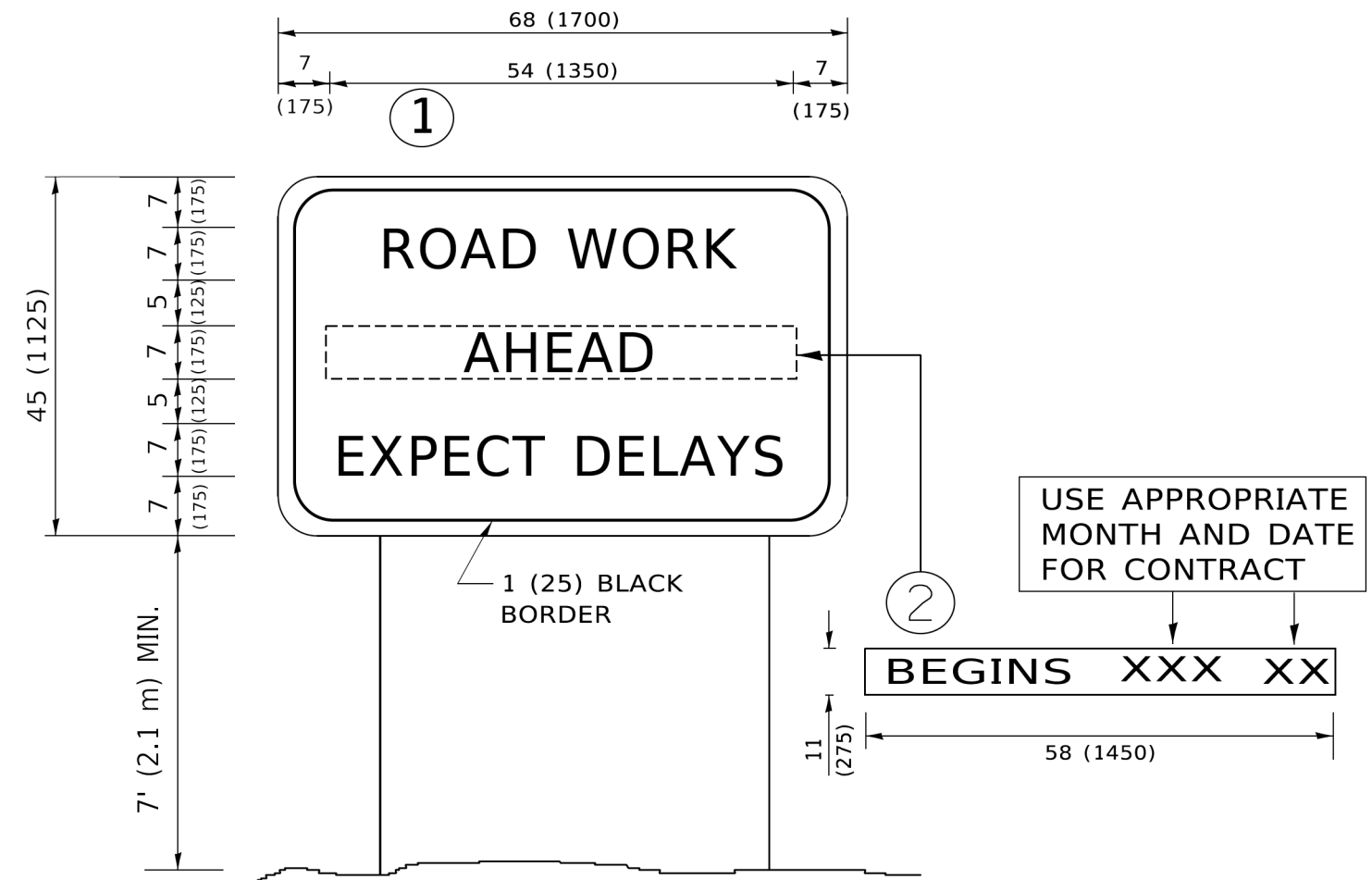
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PLOT DATE = 11/2/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE SHEET 7 OF 9 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	107
TC-14		CONTRACT NO. 61H40		
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.

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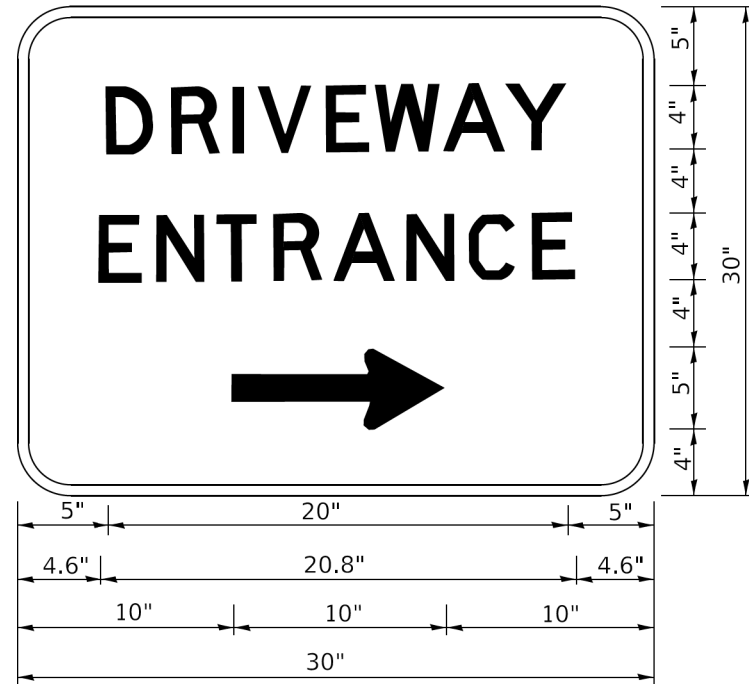
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PLOT DATE = 11/2/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: NONE SHEET 8 OF 9 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	108
TC-22			CONTRACT NO. 61H40	
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: Default
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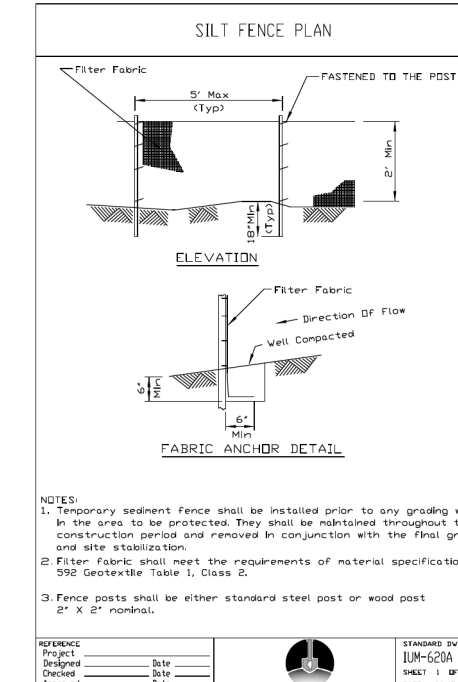
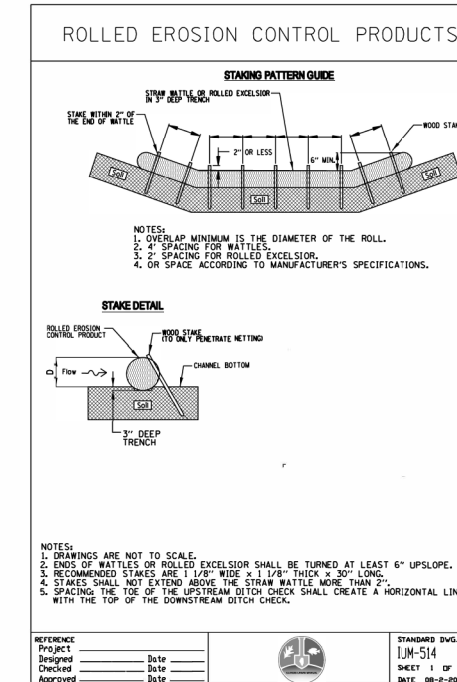
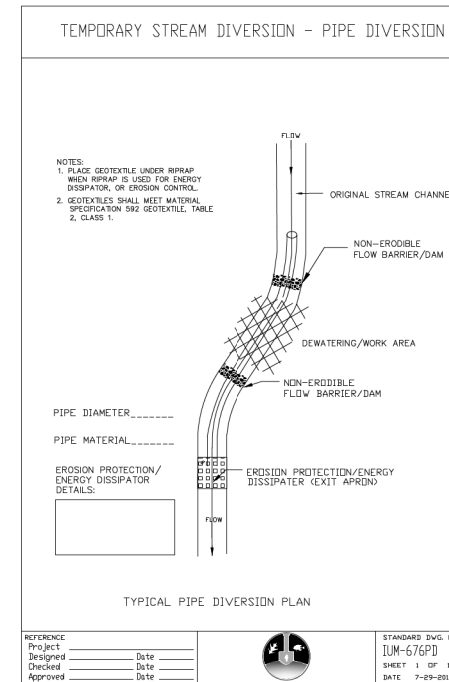
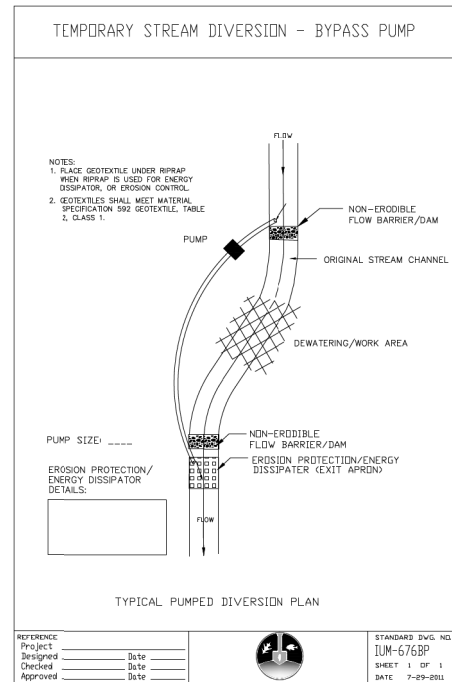
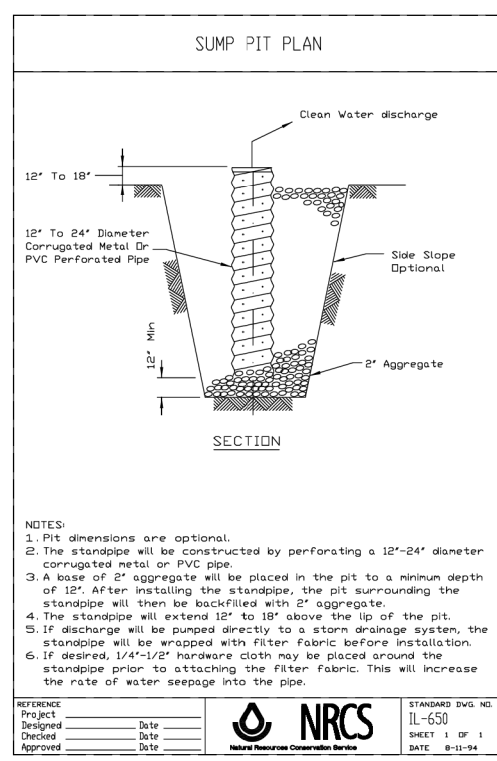
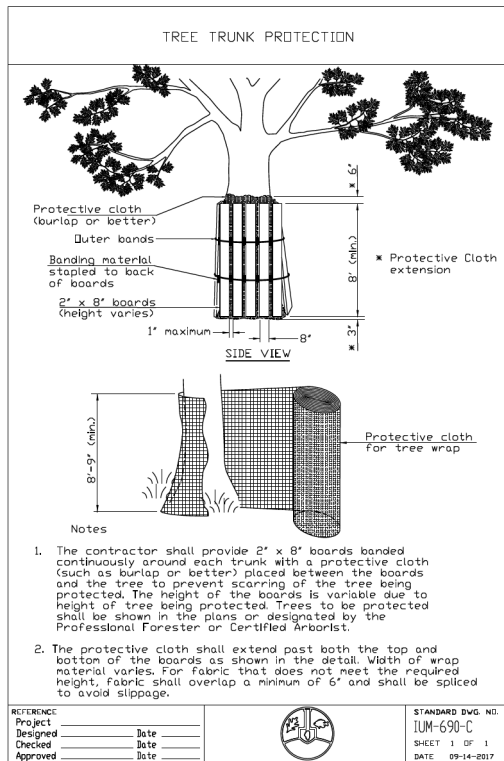
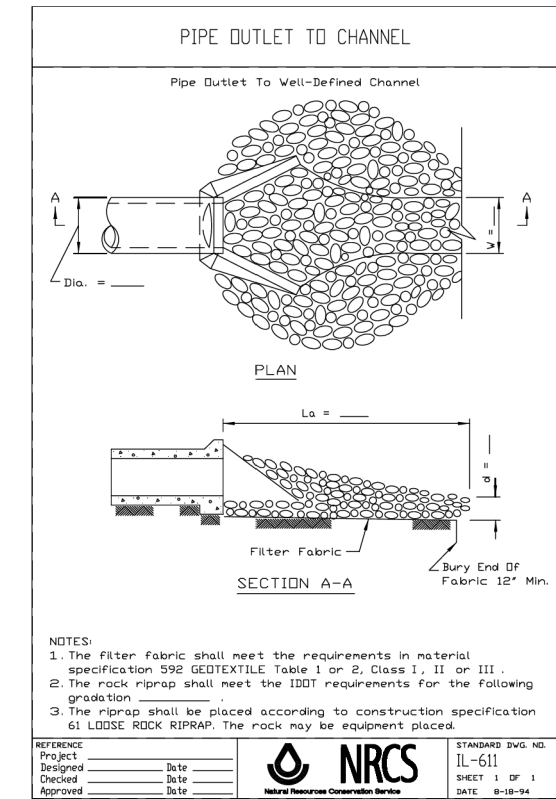
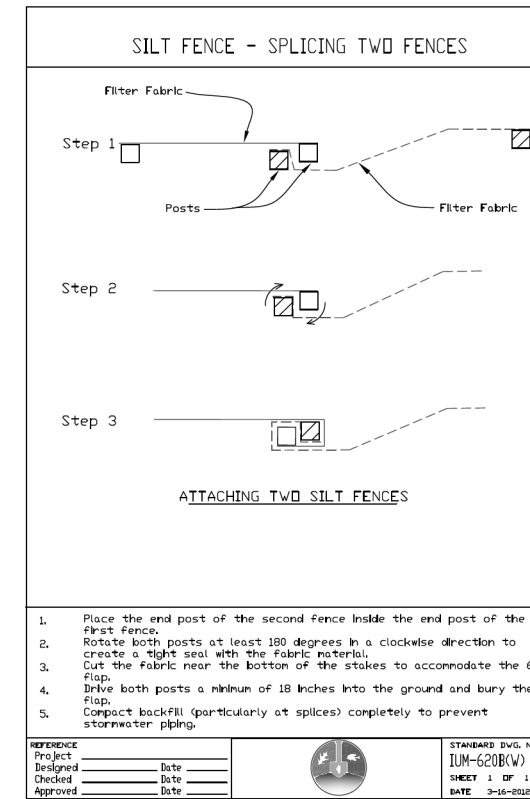
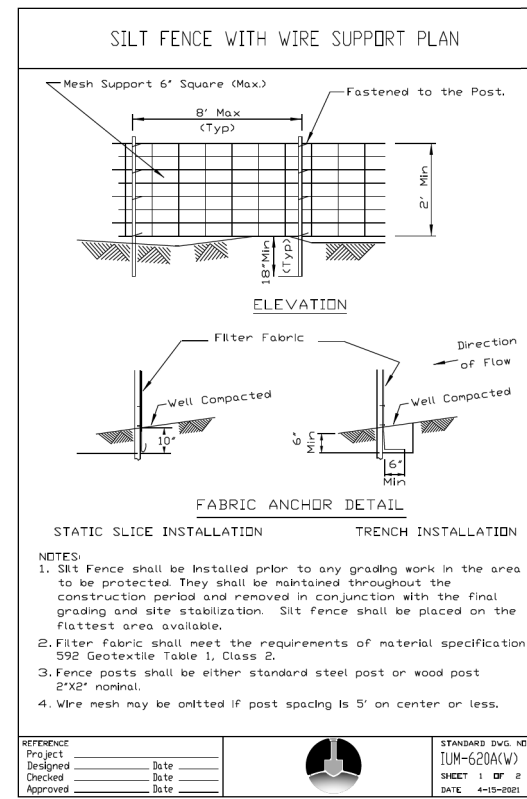
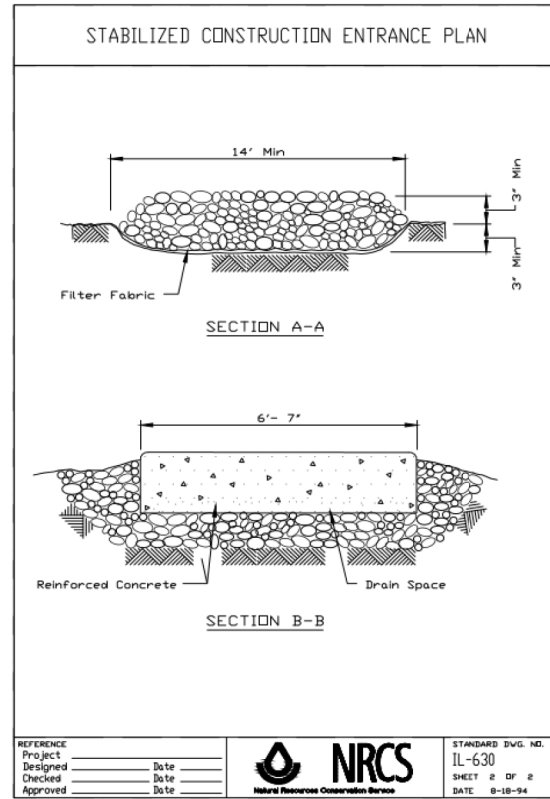
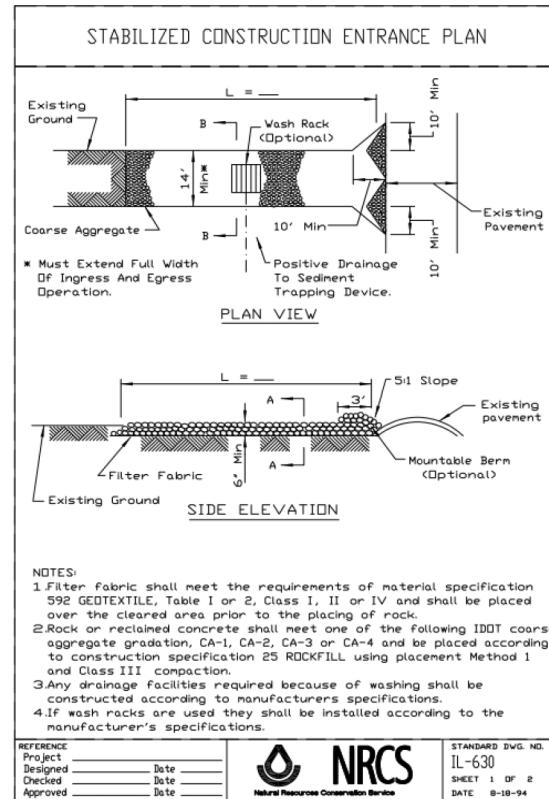
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PLOT DATE = 11/2/2021	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 9 OF 9 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	109
TC-26			CONTRACT NO. 61H40	
ILLINOIS FED. AID PROJECT				



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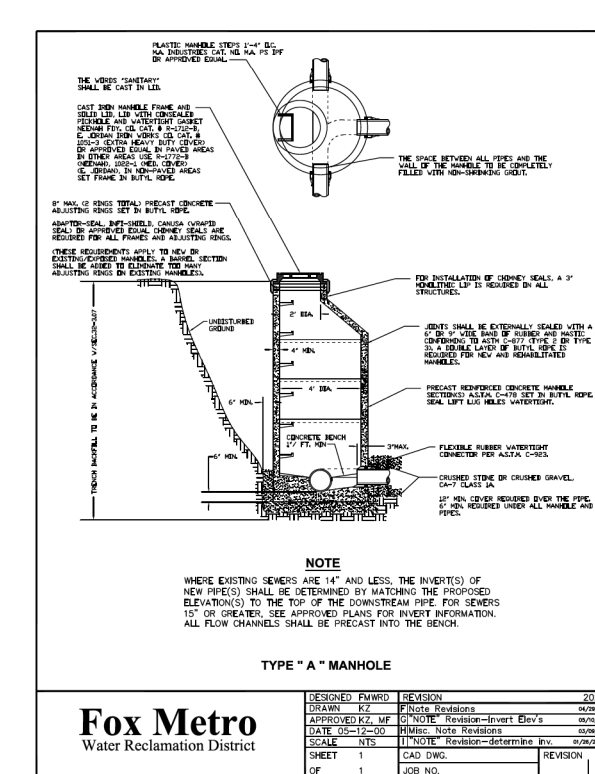
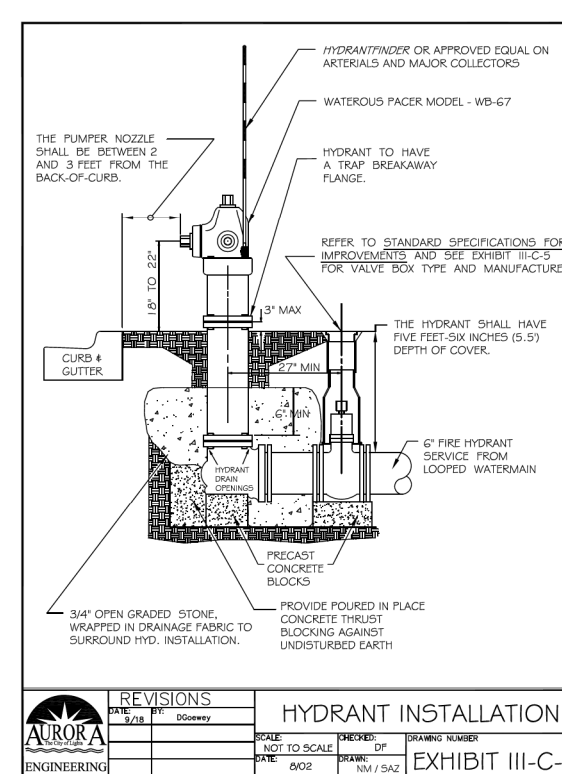
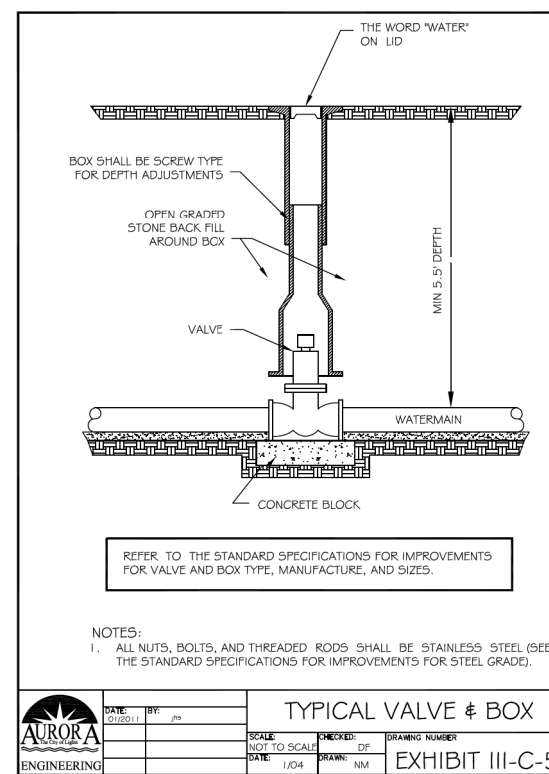
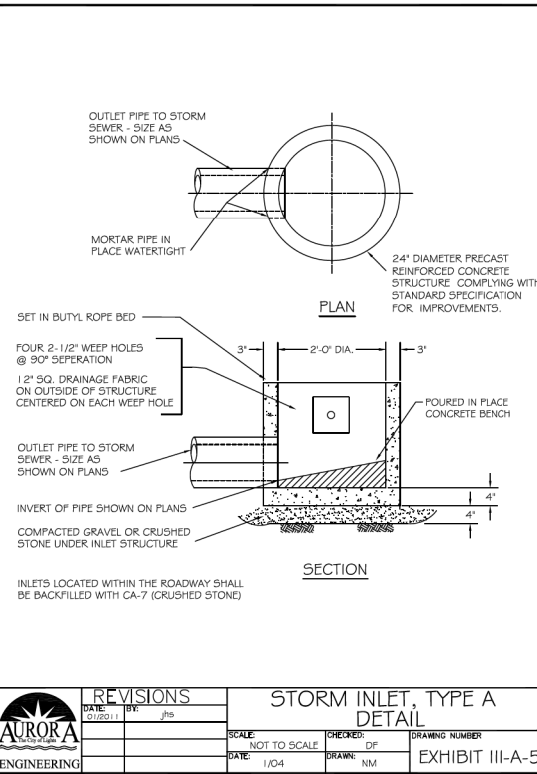
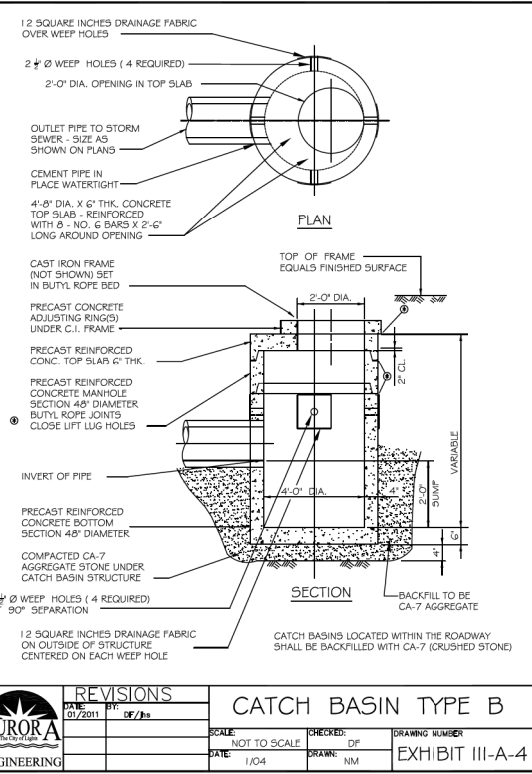
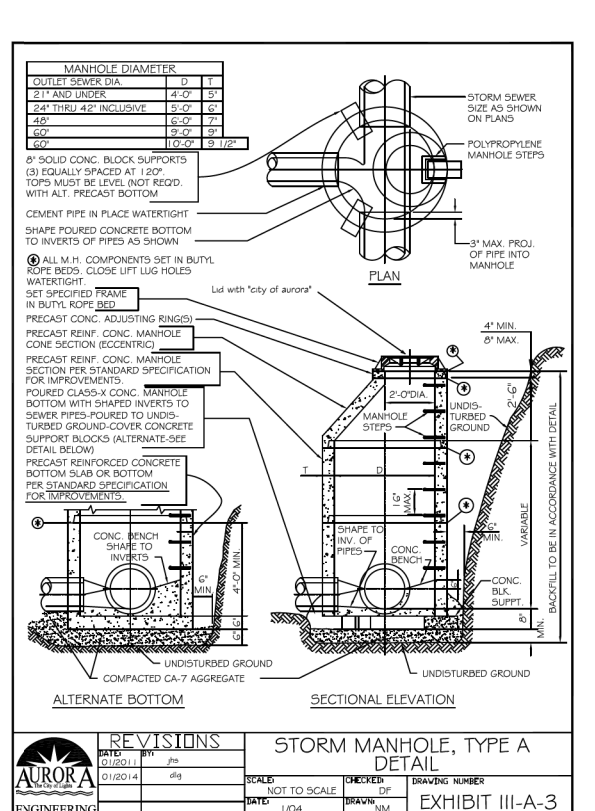
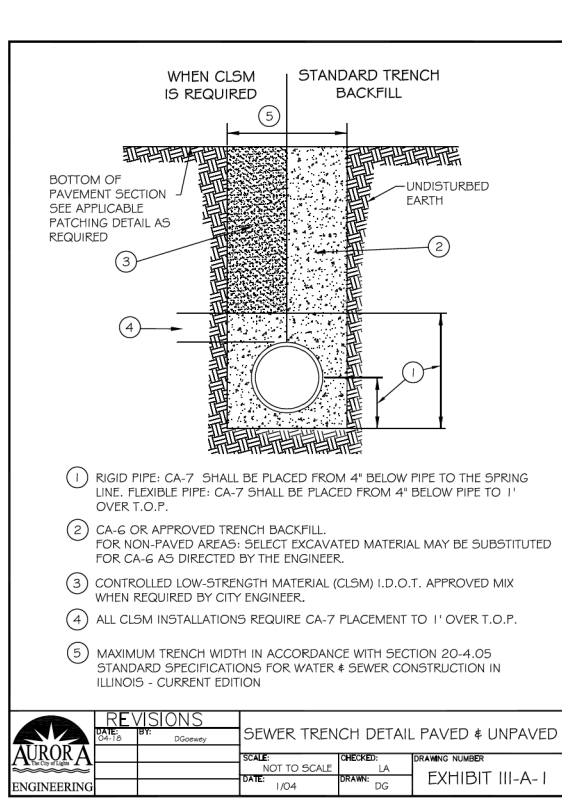
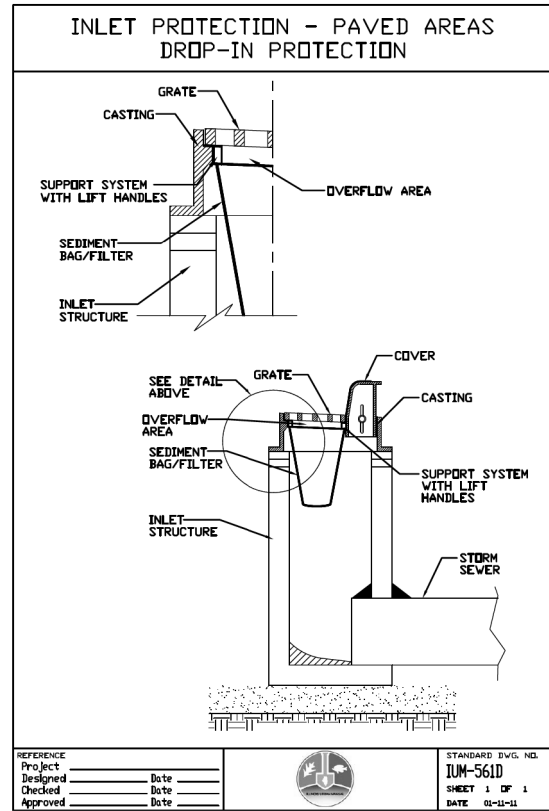
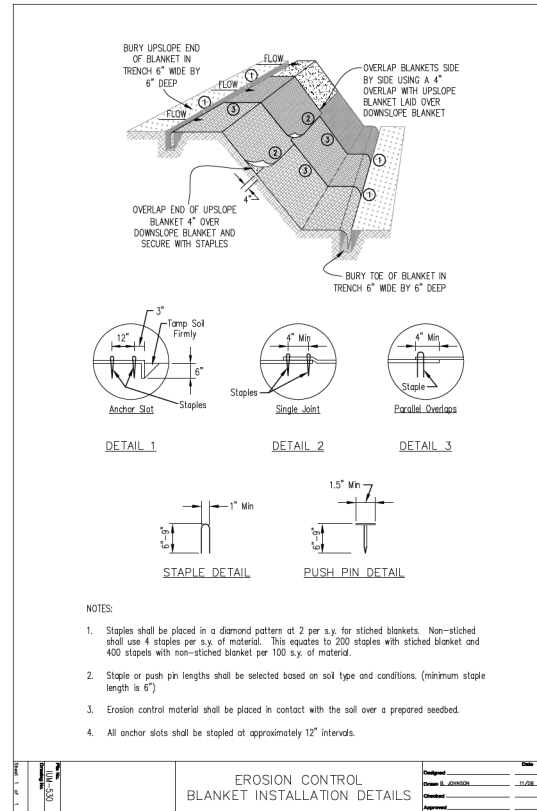
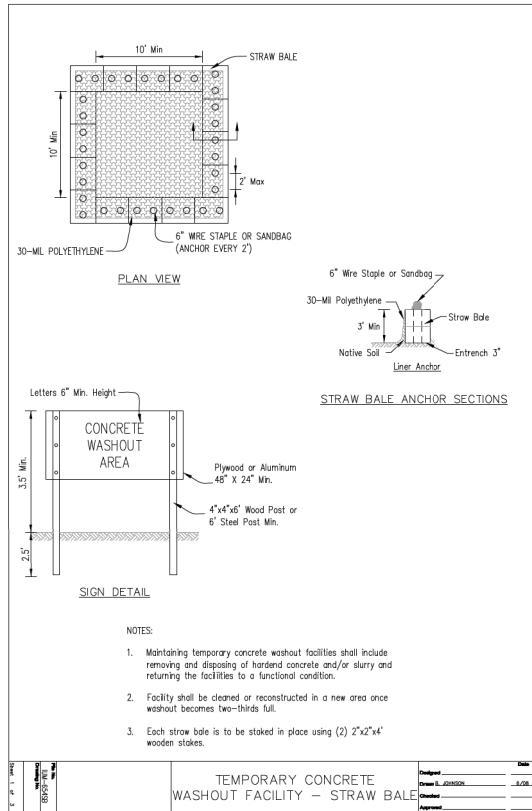
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	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL DETAILS

SCALE: NTS SHEET 1 OF 2 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	110
BD400-02 (BD-02)		CONTRACT NO. 61H40		
ILLINOIS FED. AID PROJECT				



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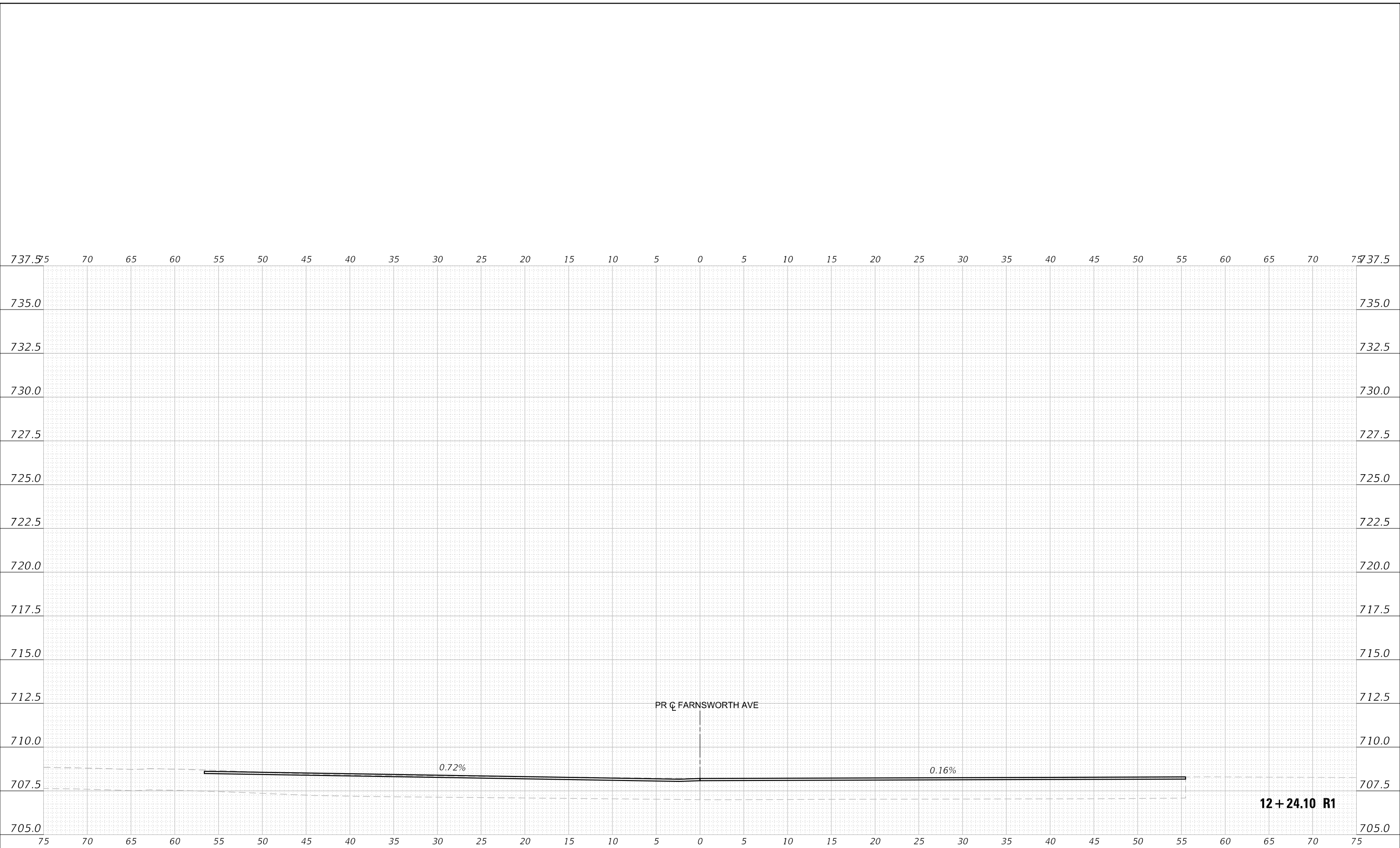


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	DATE - 11/03/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL DETAILS
SCALE: NTS SHEET 2 OF 2 SHEETS STA. 12+24.05 TO STA. 17+22.53

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	111
	BD400-02 (BD-02)		CONTRACT NO. 61H40	
		ILLINOIS	FED. AID PROJECT	



DATE: 11/2/2021
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

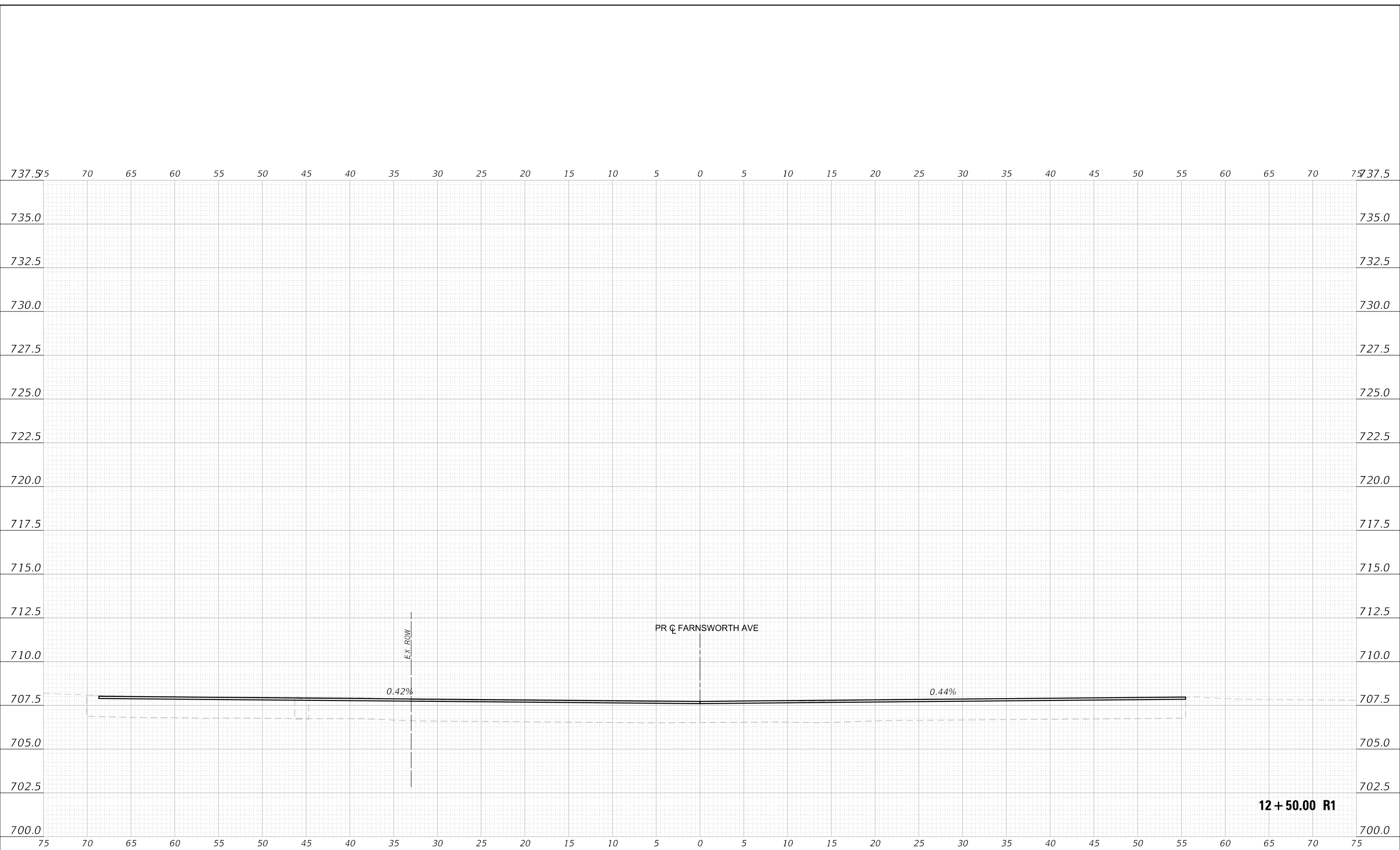
CROSS SECTIONS
FARNSWORTH AVE

SCALE: 1"=10'H; 1"=5'V SHEET XS-1 OF XS-13 SHEETS STA. 12+24.10 R1 TO STA. 12+24.10 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	112
CONTRACT NO. 61H40				

12 + 24.10 R1

ILLINOIS FED. AID PROJECT



DATE: 11/2/2021
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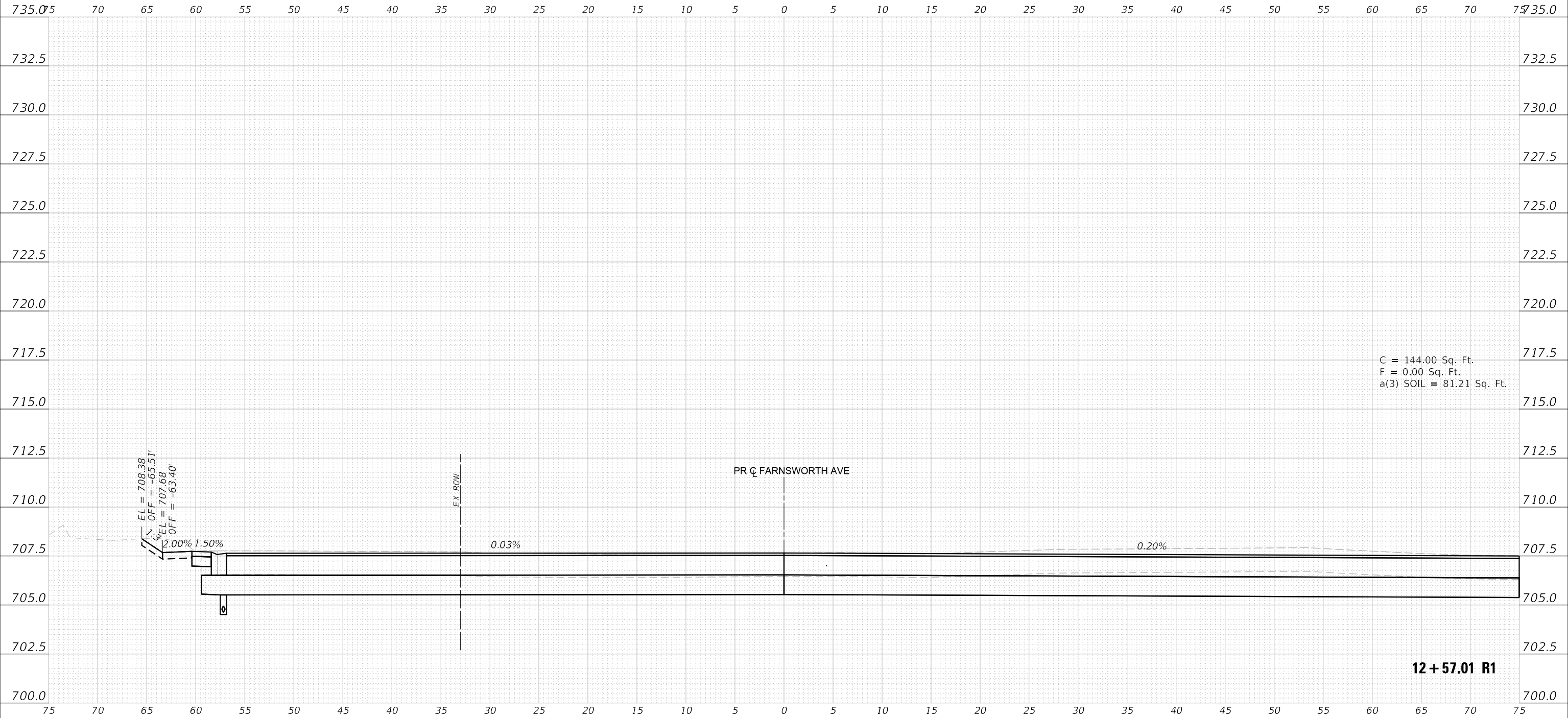
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PLOT DATE = 11/3/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET XS-2 OF XS-13 SHEETS STA. 12+50.00 R1 TO STA. 12+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	113
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



DATE: 11/2/2021
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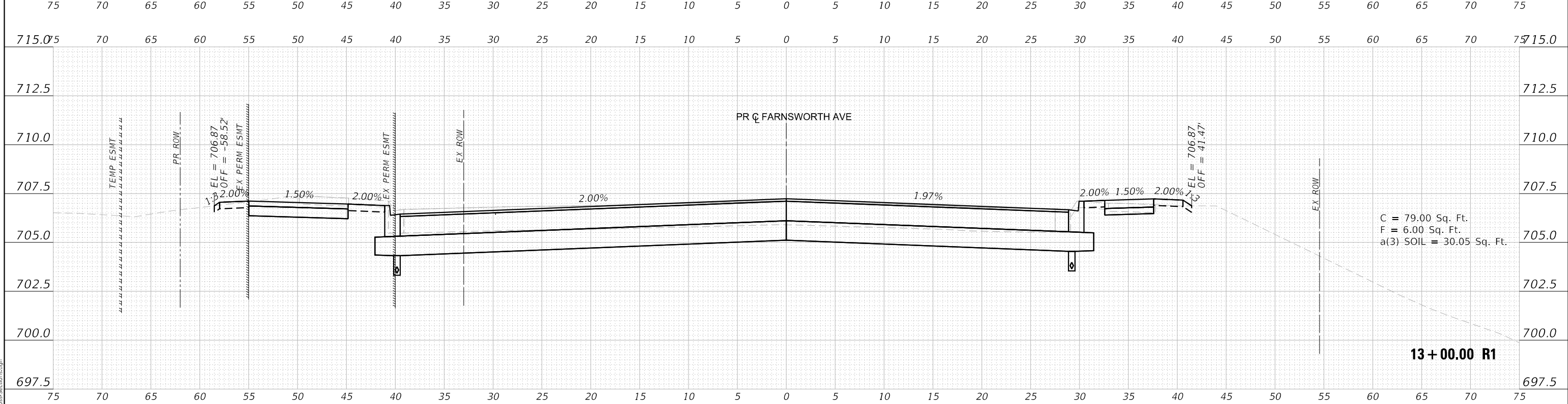
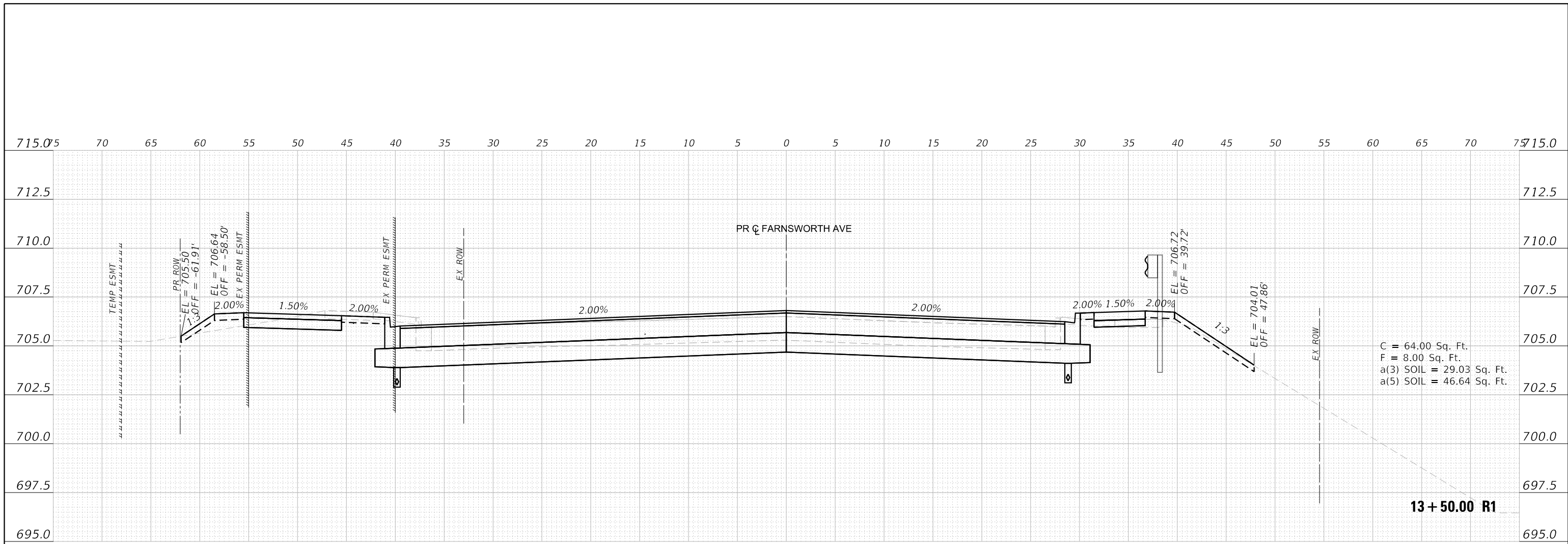
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	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET XS-3 OF XS-13 SHEETS STA. 12+57.01 R1 TO STA. 12+57.01 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	114
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



DATE: 11/3/2021
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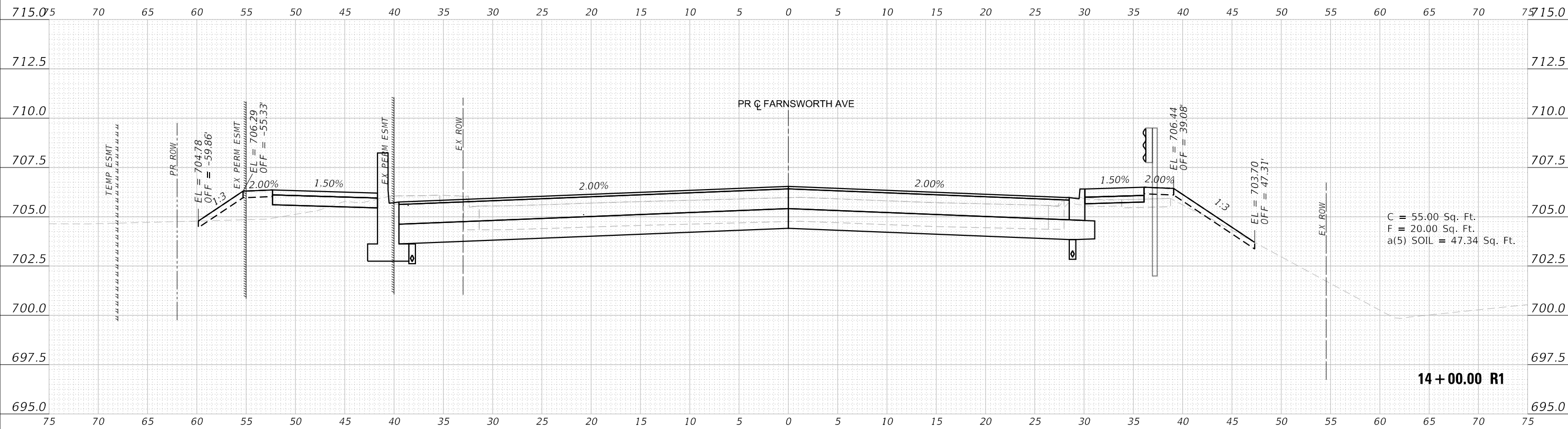
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FARNSWORTH AVE

SCALE: 1"=10'H; 1"=5'V SHEET XS-4 OF XS-13 SHEETS STA. 13+00.00 R1 TO STA. 13+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	116
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



C = 55.00 Sq. Ft.
 F = 20.00 Sq. Ft.
 a(5) SOIL = 47.34 Sq. Ft.

14 + 00.00 R1

DATE: 11/3/2021
 FILE NAME: ...110869.01-Cross-Sections.dgn



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	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET XS-5 OF XS-13 SHEETS STA. 14+00.00 R1 TO STA. 14+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	116
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

730.05 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 30.0

727.5 727.5

725.0 725.0

722.5 722.5

720.0 720.0

717.5 717.5

715.0 715.0

BRIDGE OMISSION

712.5 712.5

710.0 710.0

707.5 707.5

705.0 705.0

702.5 702.5

700.0 700.0

697.5 697.5

14 + 08.96 R1

695.0 695.0

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

DATE: 11/3/2021
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PLOT DATE = 11/3/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FARNSWORTH AVE

SCALE: 1"=10'H; 1"=5'V SHEET XS-6 OF XS-13 SHEETS STA. 14+08.96 R1 TO STA. 14+08.96 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	117
				CONTRACT NO. 61H40
		ILLINOIS FED. AID PROJECT		

727.5 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 727.5

725.0 725.0

722.5 722.5

720.0 720.0

717.5 717.5

715.0 715.0

712.5 712.5

710.0 710.0

707.5 707.5

705.0 705.0

702.5 702.5

700.0 700.0

697.5 697.5

695.0 695.0

692.5 692.5

690.0 690.0

687.5 687.5

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

BRIDGE OMISSION

14 + 50.00 R1

DATE: 11/3/2021
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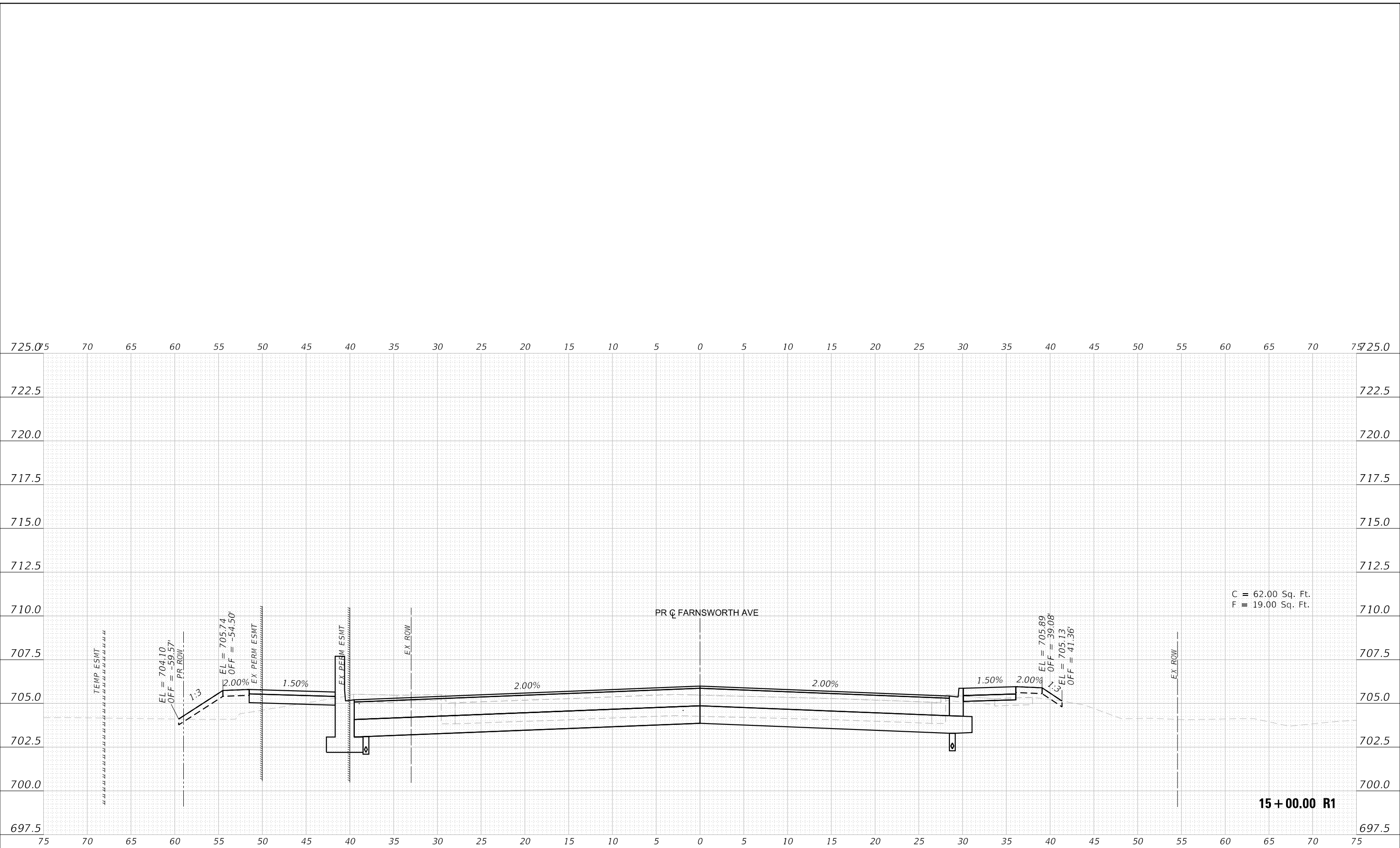
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PLOT DATE = 11/3/2021	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FARNSWORTH AVE

SCALE: 1"=10'H; 1"=5'V SHEET XS-7 OF XS-13 SHEETS STA. 14+50.00 R1 TO STA. 14+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	118
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



DATE: 11/3/2021
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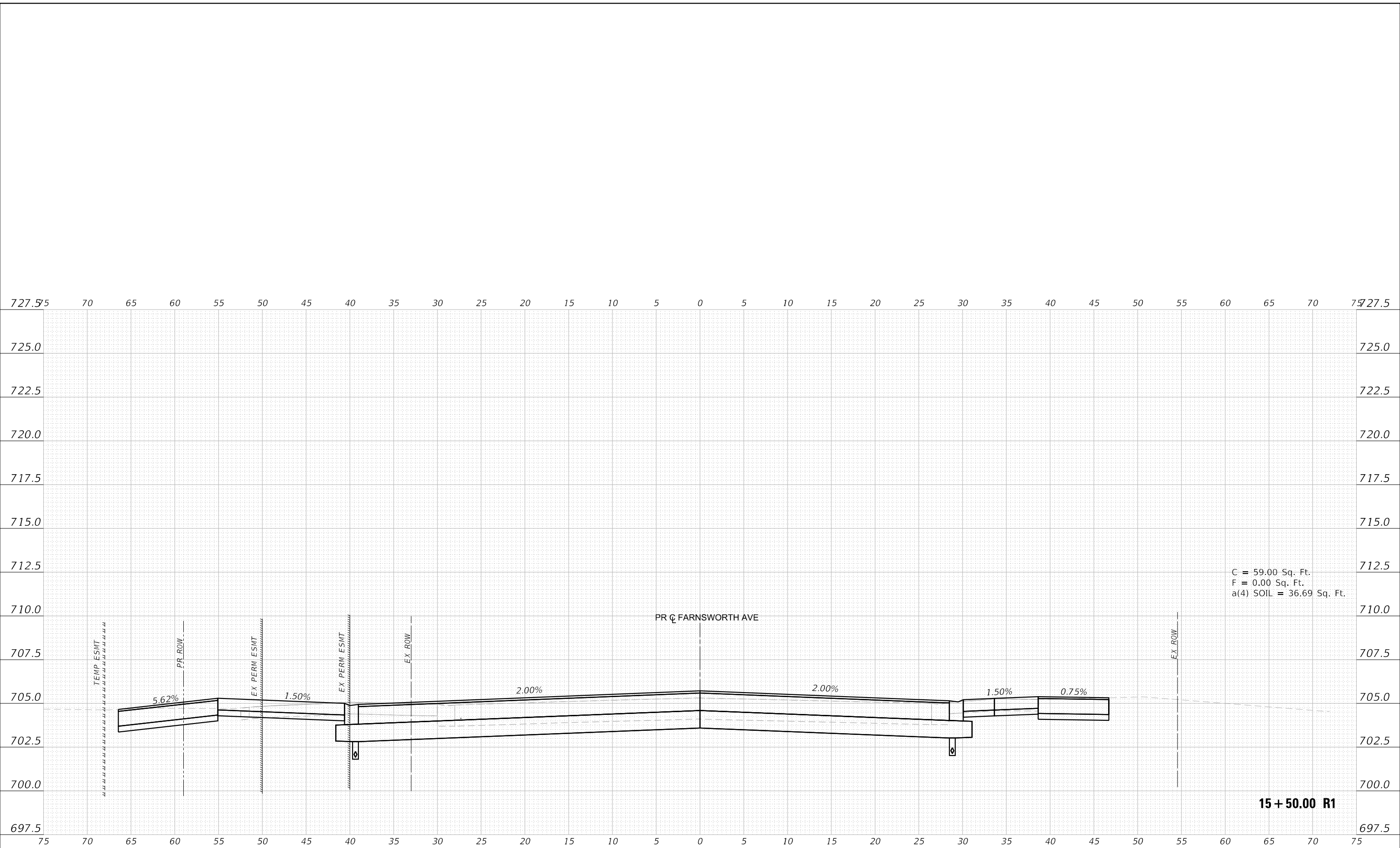
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	DATE - 10/04/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FARNSWORTH AVE

SCALE: 1"=10'H; 1"=5'V SHEET XS-8 OF XS-13 SHEETS STA. 15+00.00 R1 TO STA. 15+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	119
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



DATE: 11/3/2021
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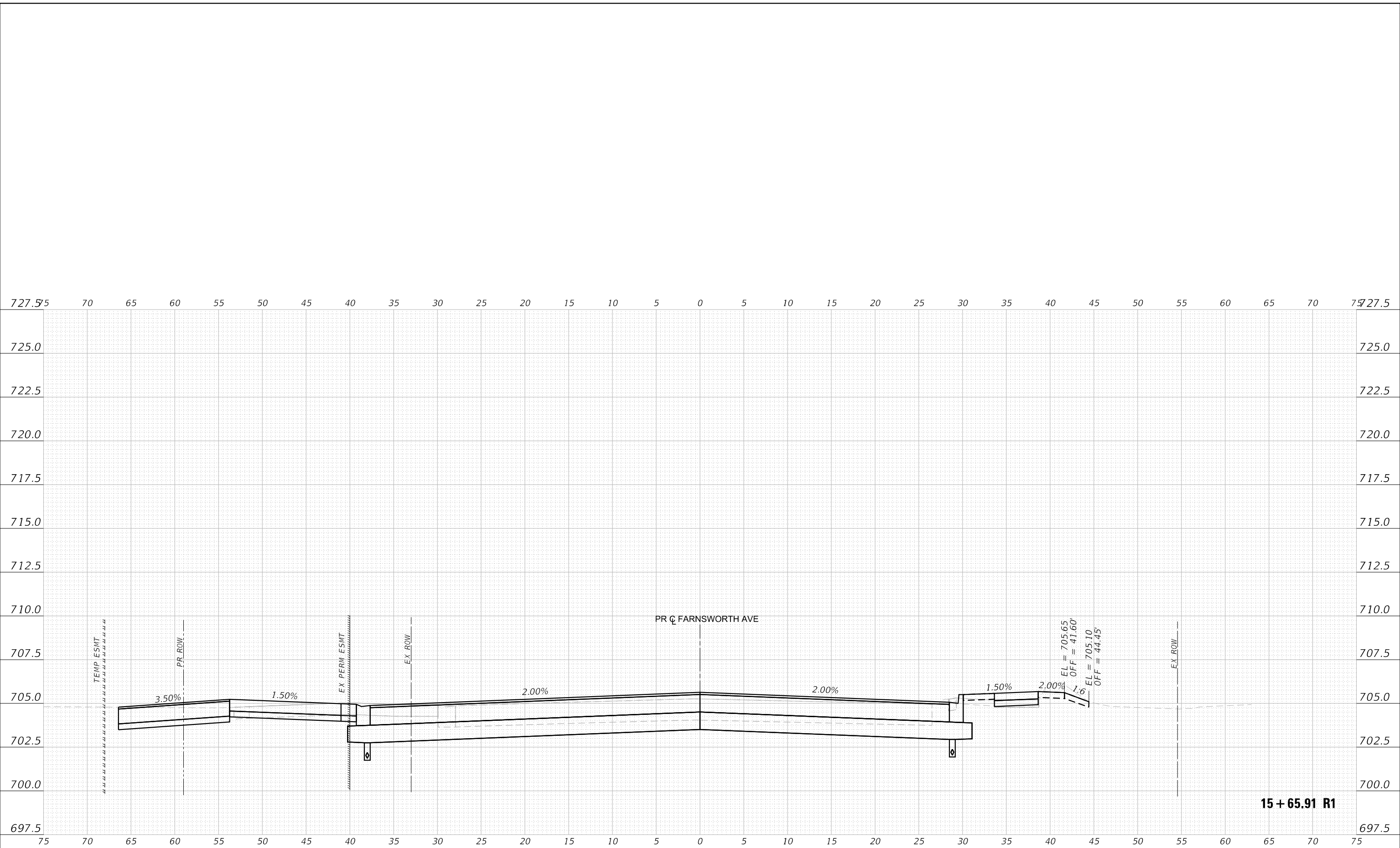
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	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET X5-9 OF XS-13 SHEETS STA. 15+50.00 R1 TO STA. 15+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	120
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



15 + 65.91 R1

DATE: 11/2/2021
FILE NAME: ...110899.01-Cross-Sections.dgn



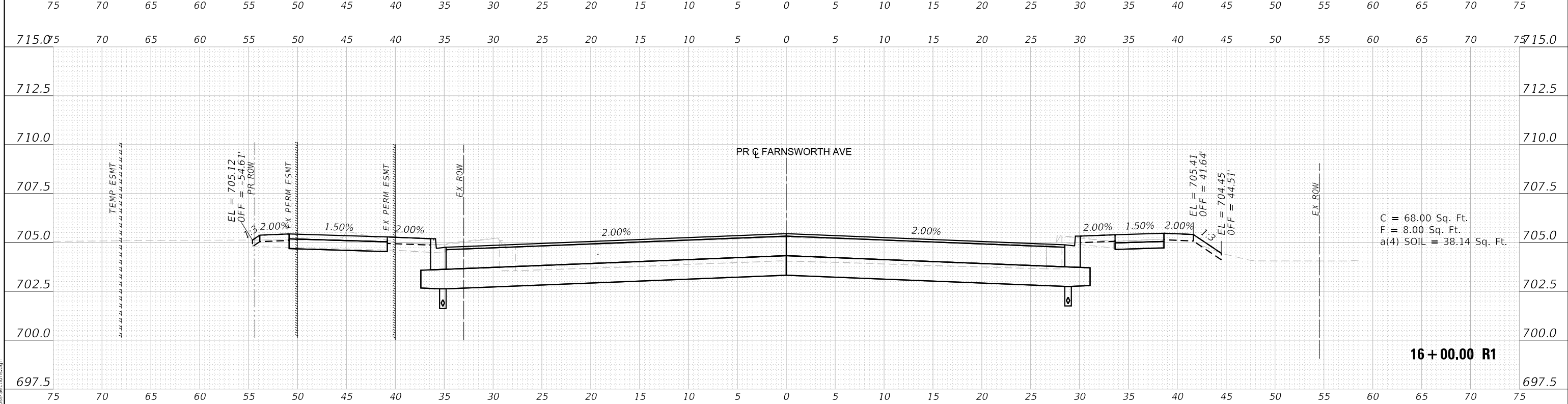
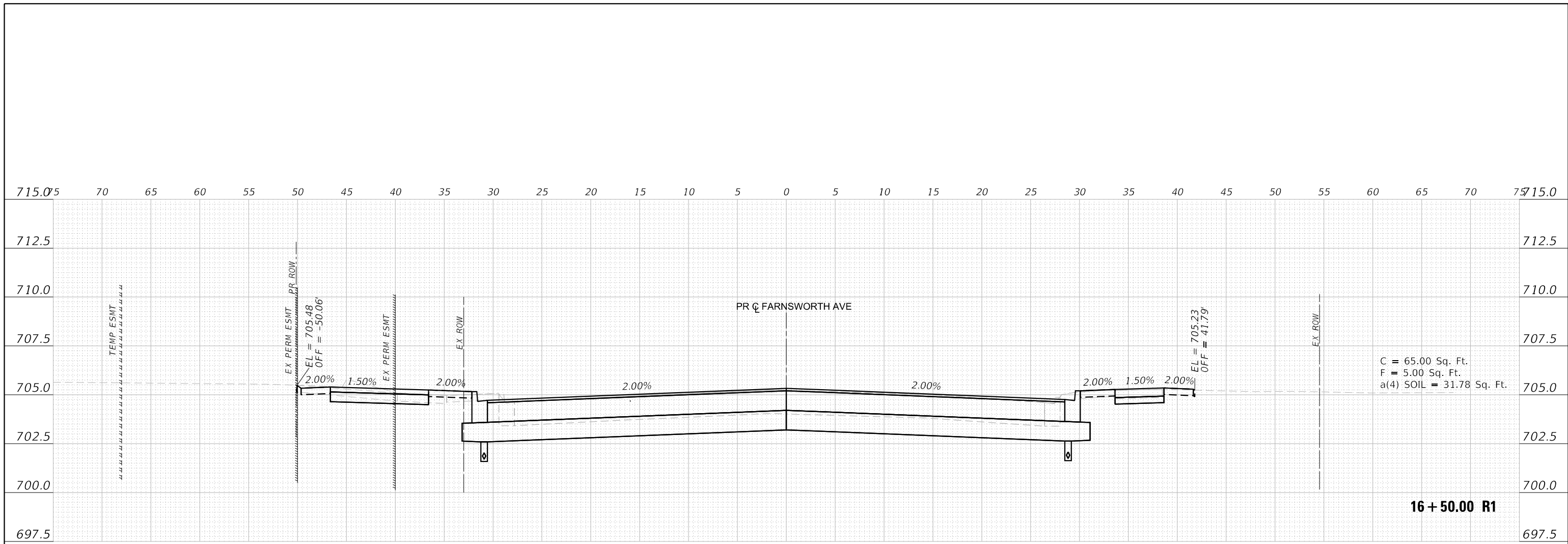
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FARNSWORTH AVE

SCALE: 1"=10'H; 1"=5'V SHEET XS-10 OF XS-13 SHEETS STA. 15+65.91 R1 TO STA. 15+65.91 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	121
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



DATE: 11/3/2021
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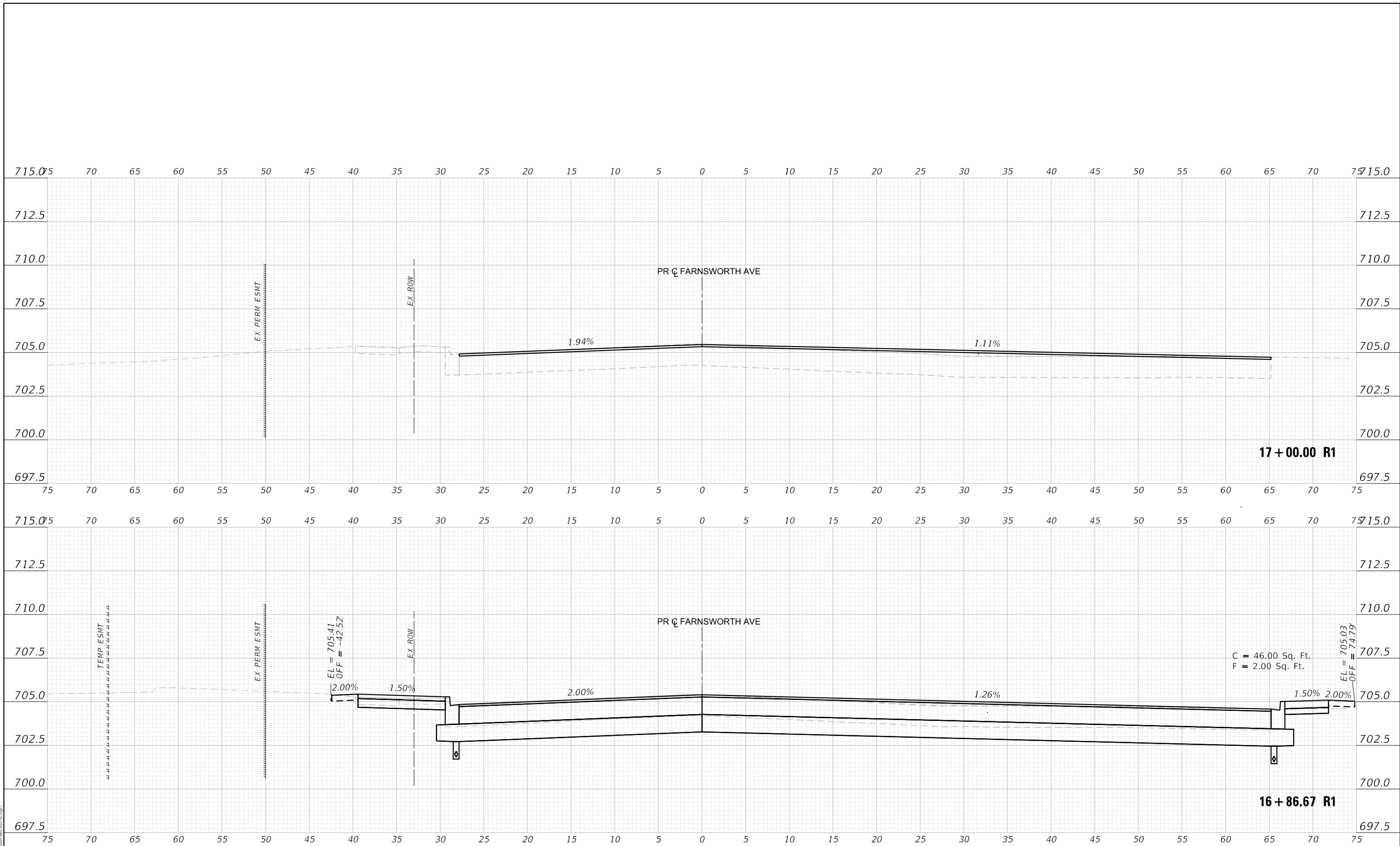
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PLOT SCALE =	DRAWN - TVOGLER	REVISED -
PLOT DATE = 11/3/2021	CHECKED - EDEAN	REVISED -
	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET XS-11 OF XS-13 SHEETS STA. 16+00.00 R1 TO STA. 16+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	122
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				



DATE: 11/2/2021
FILE NAME: ...10869.01-Cross-Sections.dgn



USER NAME =	DESIGNED - TVOGLER	REVISED -
PLOT SCALE =	DRAWN - TVOGLER	REVISED -
PLOT DATE = 11/3/2021	CHECKED - EDEAN	REVISED -
	DATE - 10/04/2021	REVISED -

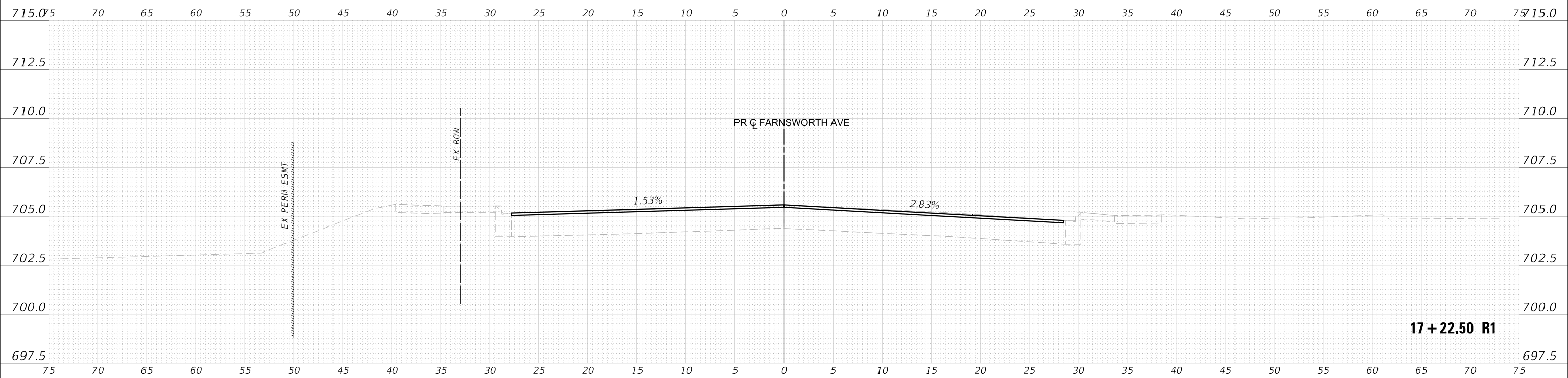
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET XS-12 OF XS-13 SHEETS STA. 16+86.67 R1 TO STA. 17+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	123
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				

DATE: 11/2/2021
 FILE NAME: ...110899_01_Cross-Sections.dgn



USER NAME =	DESIGNED - TVOGLER	REVISED -
	DRAWN - TVOGLER	REVISED -
PLOT SCALE =	CHECKED - EDEAN	REVISED -
PLOT DATE = 11/3/2021	DATE - 10/04/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FARNSWORTH AVE**

SCALE: 1"=10'H; 1"=5'V SHEET XS-13 OF XS-13 SHEETS STA. 17+22.50 R1 TO STA. 17+22.50 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	18-00324-00-BR	KANE	124	124
CONTRACT NO. 61H40				
ILLINOIS FED. AID PROJECT				