

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	1

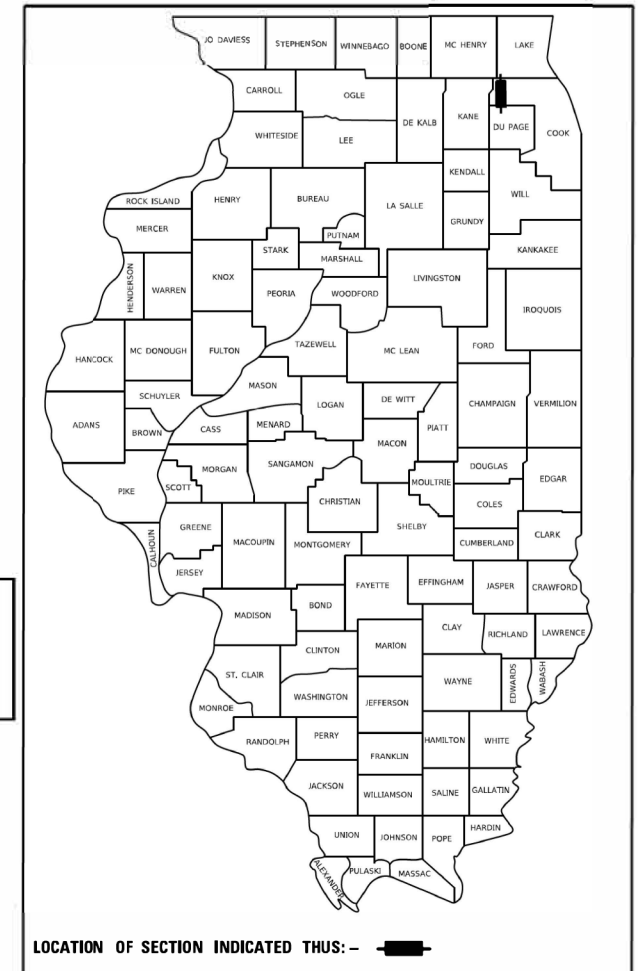
CONTRACT NO. 61J67

DESIGN DATA 01-19-2024 LETTING ITEM 083

IL 59  
POSTED SPEED LIMIT = 45 MPH (EXISTING)  
DESIGN SPEED LIMIT = 50 MPH (EXISTING)  
ADT = 34,200 (2021)  
DESIGN DESIGNATION: PRINCIPAL ARTERIAL

MADISON DRIVE  
POSTED SPEED LIMIT = 25 MPH (EXISTING)  
DESIGN SPEED LIMIT = 30 MPH (EXISTING)  
DESIGN DESIGNATION: LOCAL

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY  
IL 59 PEDESTRIAN OVERPASS  
EXISTING MULTI-USE PATH TO MADISON DRIVE  
SECTION NO.: 21-00067-00-BR  
PROJECT NO.: GZVA(457)  
VILLAGE OF STREAMWOOD  
COOK COUNTY



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

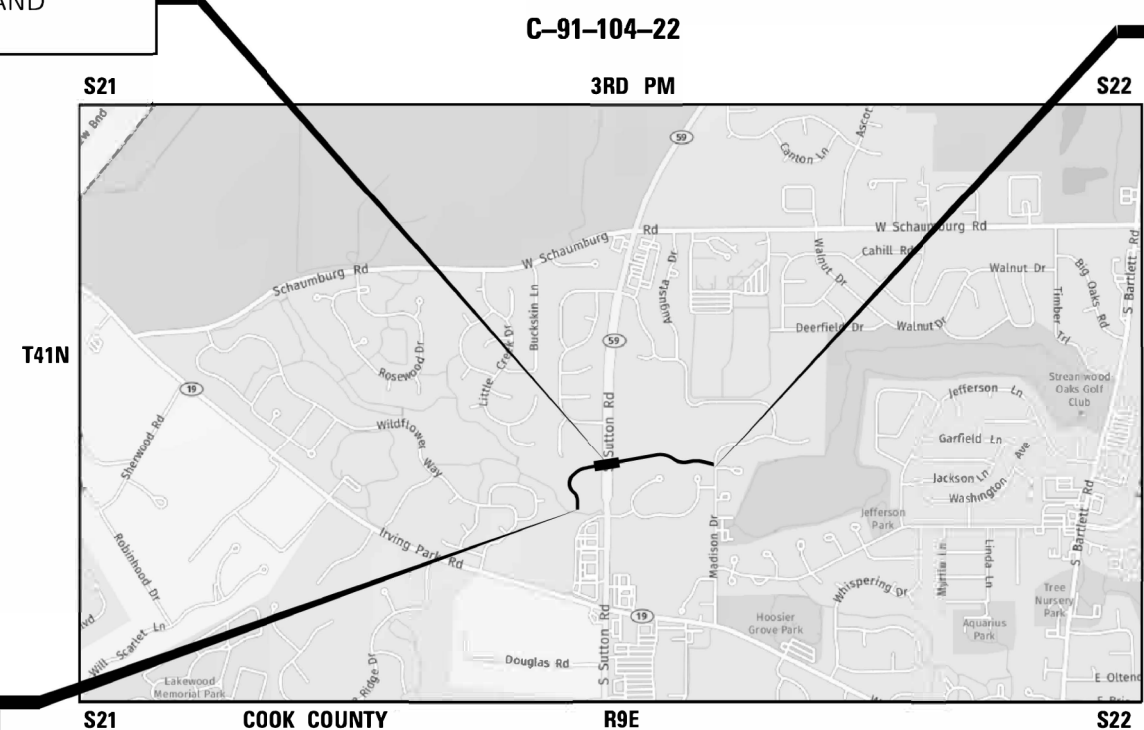


*William J. Colletti*

WILLIAM J. COLLETTI, P.E., S.E.  
NO. 081-008091  
EXP. DATE 11/30/2024  
SHEET RANGE 53 - 82

STRUCTURE NUMBER 016-8309  
ILLINOIS ROUTE 59 AND  
POPLAR CREEK

IMPROVEMENT ENDS  
IL 59 PEDESTRIAN  
OVERPASS BIKE PATH  
STATION 122+66.71



IMPROVEMENT BEGINS  
IL 59 PEDESTRIAN  
OVERPASS BIKE PATH  
STATION 99+94.36

HANOVER TOWNSHIP-SECTION 21 AND 22  
**LOCATION MAP**  
NOT TO SCALE

GROSS AND NET LENGTH OF PROJECT  
2,272.35 FEET = 0.4 MILES

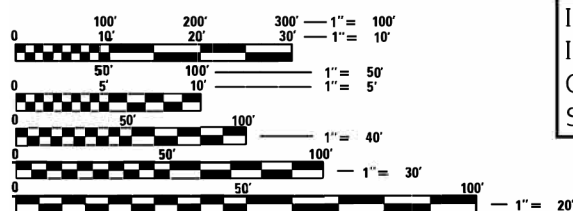


*William B. Lancaster*

WILLIAM B. LANCASTER, P.E.  
NO. 062-059322  
EXP. DATE 11/30/23  
SHEET RANGE 1 - 28 83 - 96



GAURAV RAI, P.E., P.T.O.E.  
NO. 062-065565  
EXP. DATE 11/30/2023  
SHEET RANGE 40 - 52



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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED ON: MAY 24TH 2023  
*[Signature]*  
VILLAGE OF STREAMWOOD, VILLAGE ENGINEER

PASSED June 1 2023  
*[Signature]*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW June 1 2023  
*[Signature]*  
REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

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

CONTRACT NO. 61J67

TRANSYSTEMS

**GENERAL NOTES FOR WATER AND SEWER IMPROVEMENTS**

**INDEX OF SHEETS**

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- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED IN THE SPECIAL PROVISIONS OR PLANS:  
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SSRB), LATEST EDITION  
 - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (SSWS), LATEST EDITION  
 - THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL  
 IN CASE OF CONFLICT, THE MORE STRINGENT RULE SHALL CONTROL CONSTRUCTION
- THE FOLLOWING AGENCIES MUST BE NOTIFIED PRIOR TO CONSTRUCTION TO ARRANGE FOR REQUIRED INSPECTIONS:  
 - THE VILLAGE OF STREAMWOOD ENGINEERING DEPARTMENT MUST BE NOTIFIED TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION ON PUBLIC UTILITIES OR WITHIN PUBLIC RIGHT-OF-WAY (CALL 630-736-3850)  
 - THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK (CALL 708-588-4055)  
 THE ABOVE-LISTED AGENCIES HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION AND TESTING OF THIS WORK
- THE LOCATION OF UTILITIES AS SHOWN ON THE PLANS ARE PRESENTED FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. UTILITY LOCATIONS AND ELEVATIONS SHALL BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION
- SEE PROJECT SPECIAL PROVISIONS FOR MATERIAL REQUIREMENTS. ALL MATERIAL TO BE INCORPORATED INTO THE PUBLIC IMPROVEMENT REQUIRES INSPECTION AND APPROVAL PRIOR TO CONSTRUCTION.
- FOR ALL PAVEMENT REMOVAL IN VILLAGE OF STREAMWOOD RIGHT-OF-WAY, THE CONTRACTOR SHALL PLACE 2-INCH TEMPORARY PAVEMENT PATCHES WITHIN 48 HOURS OF REMOVAL. FOR ALL PAVEMENT REMOVAL IN STATE OR COUNTY RIGHT-OF-WAY, THE CONTRACTOR SHALL PLACE 2-INCH TEMPORARY PAVEMENT PATCHES BY THE END OF THE WORKING DAY.

**GENERAL NOTES**

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE STANDARD SPECIFICATIONS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. THE ENGINEER SHALL VERIFY THE CONTRACTOR'S LINE AND GRADE STAKES. IF THERE ARE DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT THEIR OWN RISK AND IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 AND THE VILLAGE OF STREAMWOOD AT 630-736-3850 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, THEIR AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE BIKE PATH CENTERLINE.
- WHEN REMOVING CURB AND GUTTER, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS WHICH MIGHT DAMAGE THE UNDERGROUND PUBLIC OR PRIVATE UTILITIES WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

**UTILITIES NOTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING UNDERGROUND DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND OTHER PUBLIC UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ALL UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH ARTICLES 105.07 AND 107.20.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL USE NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVES, VALVE VAULTS, FIRE HYDRANTS AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE TO THE VILLAGE FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES.
- ALL LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.

**TRAFFIC CONTROL**

- SEE TRAFFIC CONTROL HIGHWAY STANDARDS CONCERNING TRAFFIC CONTROL AND PROTECTION.

**COMMITMENTS**

TREES THREE INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED BETWEEN APRIL 1 THROUGH OCTOBER 31.

**IDOT HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
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
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
825021-04	LIGHTING CONTROLLER BASE MOUNTED, 240V

**VILLAGE OF STREAMWOOD DETAILS**

VILLAGE OF STREAMWOOD WATER MAIN DETAILS

**IDOT DISTRICT 1 DETAILS**

TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS

MODEL: General Notes  
 FILE: \\nlsr-pw101\pww\1\Documents\Projects\2021\CH401 - Chicago P401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\02 Index, List of Standards, General Notes\310087-rh-Index



USER NAME = Imnainggolan	DESIGNED -	REVISED
	DRAWN -	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES**

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	2
CONTRACT NO. 61J67				
SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. N/A TO STA. N/A	ILLINOIS	FED. AID PROJECT

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SI	CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ITEP / TAP - L			STP	LOCAL
					80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	100% LOCAL
					MULTI-USE PATH	BRIDGE	TRAINEES	MULTI-USE PATH	WATER MAIN
					0028	0028	0042	0028	0043
					URBAN	URBAN	URBAN	URBAN	
	20101000	TEMPORARY FENCE	FOOT	314	314				
	20101100	TREE TRUNK PROTECTION	EACH	4	4				
	20200100	EARTH EXCAVATION	CU YD	745	480	265			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	45	45				
	20400800	FURNISHED EXCAVATION	CU YD	310	310				
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	45	45				
*	25000115	SEEDING, CLASS 1B	ACRE	0.1			0.1		
*	25200200	SUPPLEMENTAL WATERING	UNIT	25.0	25.0				
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	335	335				
	28000305	TEMPORARY DITCH CHECKS	FOOT	12	12				
	28000315	AGGREGATE DITCH CHECKS	TON	6	6				
	28000400	PERIMETER EROSION BARRIER	FOOT	9,595	9,595				
	28000510	INLET FILTERS	EACH	4			4		
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	19	19				
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	468	468				
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,052	1,052				
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	105	105				
	42001300	PROTECTIVE COAT	SQ YD	4	4				
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	36	36				
	44000100	PAVEMENT REMOVAL	SQ YD	349	349				
	50200100	STRUCTURE EXCAVATION	CU YD	355		355			

\* = SPECIALTY ITEM



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - LMN	REVISED -
PLOT DATE = 11/3/2023	CHECKED - WBL	REVISED -
	DATE - 10/01/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET 1 OF 5 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	3
CONTRACT NO. 61J67			ILLINOIS FED. AID PROJECT	

MODEL: Default  
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SI	CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ITEP / TAP - L			STP	LOCAL
					80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	100% LOCAL
					MULTI-USE PATH	BRIDGE	TRAINEES	MULTI-USE PATH	WATER MAIN
					0028	0028	0042	0028	0043
		URBAN	URBAN	URBAN	URBAN				
	50300225	CONCRETE STRUCTURES	CU YD	363.3		363.3			
	50300285	FORM LINER TEXTURED SURFACE	SQ FT	3,528		3,528			
	50300300	PROTECTIVE COAT	SQ YD	1,011		1,011			
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	7.0		7.0			
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	32,050		32,050			
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	50,370		50,370			
	51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	1,421		1,421			
	51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	1,540		1,540			
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	2,345		2,345			
	51201800	FURNISHING STEEL PILES HP14X73	FOOT	4,285		4,285			
	51202305	DRIVING PILES	FOOT	9,591		9,591			
	51203200	TEST PILE METAL SHELLS	EACH	6		6			
	5123600	TEST PILE STEEL HP12X53	EACH	9		9			
	51203800	TEST PILE STEEL HP14X73	EACH	9		9			
	51500100	NAME PLATES	EACH	1		1			
*	56103550	DUCTILE IRON WATER MAIN, CLASS 52, 12"	FOOT	206					206
*	56105200	WATER VALVES 12"	EACH	2					2
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	18		18			
	58700300	CONCRETE SEALER	SQ FT	2,407		2,407			
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	14		14			
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	31					31
	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2					2

\* = SPECIALTY ITEM



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 10/01/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET 2 OF 5 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	4
CONTRACT NO. 61J67			ILLINOIS FED. AID PROJECT	

MODEL: Default  
 FILE: \\hpc\mnt01\ae\transys\corp\pww\Documents\Projects\2021\CH401 - Chicago P4101210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\03\_Summary of Quantities\210087-5HT-SOC-01

SI	CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ITEP / TAP - L			STP	LOCAL
					80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	100% LOCAL
					MULTI-USE PATH	BRIDGE	TRAINEES	MULTI-USE PATH	WATER MAIN
					0028	0028	0042	0028	0043
					URBAN	URBAN	URBAN		
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12			12		
	67100100	MOBILIZATION	L SUM	1.0			1.0		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	10	10				
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1				
*	72000100	SIGN PANEL - TYPE 1	SQ FT	18	18				
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	26	26				
*	72900100	METAL POST - TYPE A	FOOT	13	13				
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1				
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1				
*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	120	120				
*	81100300	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	1,240	610	630			
*	81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	1,430	791	639			
*	81200100	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	20		20			
*	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	18	18				
*	81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2	2				
*	81300900	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 20" X 16" X 6"	EACH	6		6			
*	81300980	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8" X 8" X 6"	EACH	4		4			
*	81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	45	45				
*	81603020	UNIT DUCT, 600V, 3-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	60	60				
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,300	1,662	638			
*	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	5,050	2,800	2,250			
*	81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	2,300	1,662	638			

\* = SPECIALTY ITEM



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED
PLOT SCALE = 40.0000 ' / in.	DRAWN - LMN	REVISED -
PLOT DATE = 11/3/2023	CHECKED - WBL	REVISED -
	DATE - 10/01/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET 3 OF 5 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	5
CONTRACT NO. 61J67			ILLINOIS FED. AID PROJECT	

MODEL: Default  
 FILE: \\hpc\p1\nt01\ae\transys\corp\pww\Documents\Projects\_2021\CH401 - Chicago P4101210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\03\_Summary of Quantities\10087-5HT-500-01

SI	CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ITEP / TAP - L			STP	LOCAL
					80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	100% LOCAL
					MULTI-USE PATH	BRIDGE	TRAINEES	MULTI-USE PATH	WATER MAIN
					0028	0028	0042	0028	0043
					URBAN	URBAN	URBAN	URBAN	
*	81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	130	130				
*	82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1	1				
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	11	11				
*	A2002520	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	10				
*	A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	14	14				
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	16	16				
*	A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	25	25				
	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	8,778		8,778			
*	X0326672	PEDESTRIAN BRIDGE LIGHTING SYSTEM	L SUM	1		1			
	X0326806	WASHOUT BASIN	L SUM	1		1			
	X0327997	TRASH RECEPTACLES	EACH	2		2			
*	X1400238	LUMINAIRE, LED, SPECIAL	EACH	19		19			
*	X1400494	AESTHETIC LED STRIP LIGHT, 4W/FT, WHITE	FOOT	72		72			
*	X1400496	AESTHETIC LED STRIP LIGHT DRIVER - 24V POWER SUPPLY	EACH	4		4			
*	X1900003	SEEDING, CLASS 5B (MODIFIED)	ACRE	2.5		2.5			
	X2010400	STUMP REMOVAL ONLY	UNIT	1,711		1,711			
*	X2111230	PLANTING SOIL MIX FURNISH AND PLACE, 30"	SQ YD	91		91			
	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100					100
*	X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	2.9		2.9			
*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	16,209		16,209			
	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	3,678		3,678			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0		1.0			

\* = SPECIALTY ITEM



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
	DRAWN - LMN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 10/01/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET 4 OF 5 SHEETS    STA.    TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	6
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE: \\blu01cpe\mnt01\pe\transys\corp\pww\Documents\Projects\_2021\C401 - Chicago P401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\03\_Summary of Quantities\IT-500-01

SI	CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	ITEP / TAP - L			STP	LOCAL
					80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	100% LOCAL
					MULTI-USE PATH	BRIDGE	TRAINEES	MULTI-USE PATH	WATER MAIN
					0028	0028	0042	0028	0043
					URBAN	URBAN	URBAN	URBAN	
*	X7200095	FURNISH AND ERECT SIGN PANEL	SQ FT	1,940		1,940			
*	X8300001	LIGHT POLE, SPECIAL	EACH	19	19				
	XX007324	RECYCLING RECEPTACLE	EACH	2	2				
	XX008287	BOARDWALK STRUCTURE	SQ FT	23,323		23,323			
	Z0003850	BENCHES	EACH	4	4				
*	Z0007124	STEEL RAILING (SPECIAL)	FOOT	3,359		3,359			
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	424	424				
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
*	Z0067900	STEEL CASINGS 24"	FOOT	43					43
	Z0076600	TRAINEES	HOUR	1,000			1,000		
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000			1,000		

\* = SPECIALTY ITEM



USER NAME = Imnainggalan	DESIGNED - LMN	REVISED -
	DRAWN - LMN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 10/01/23	REVISED -

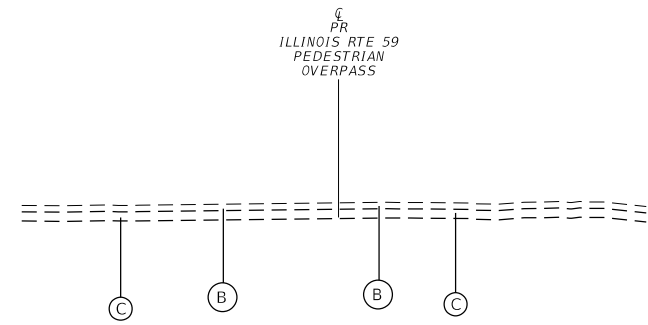
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
SUMMARY OF QUANTITIES**

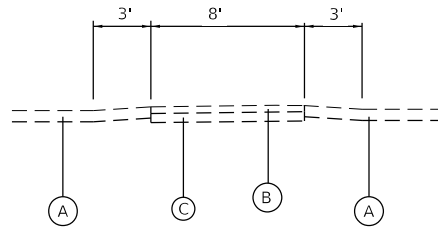
SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	7
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

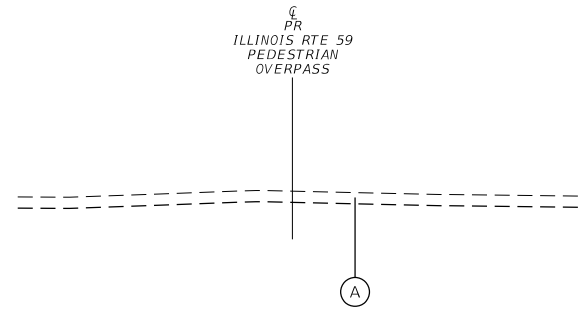
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**EXISTING TYPICAL SECTION**  
 ILLINOIS ROUTE 59  
 PEDESTRIAN OVERPASS  
 STA 100+71.94 TO STA 100+80.13



**EXISTING TYPICAL SECTION**  
 EXISTING HMA MULTI-USE PATH  
 WEST LIMITS OF PROPOSED BOARD WALK  
 TO ILLINOIS ROUTE 59



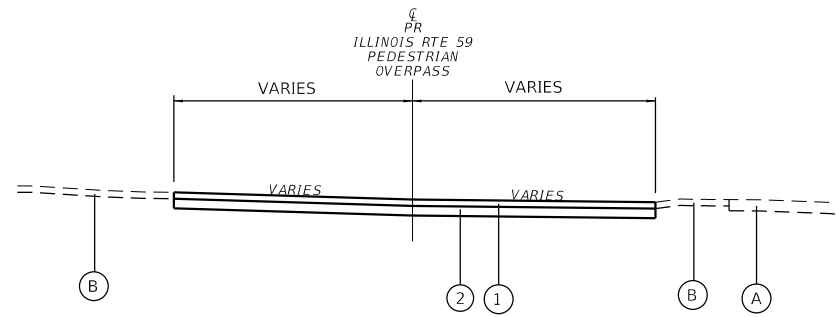
**EXISTING TYPICAL SECTION**  
 ILLINOIS ROUTE 59  
 PEDESTRIAN OVERPASS  
 STA 100+80.13 TO STA 122+66.71

**EXISTING LEGEND**

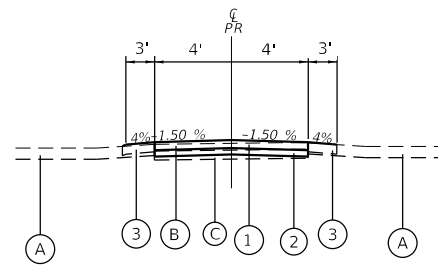
- (A) EXISTING TOPSOIL, 7"
- (B) EXISTING HMA SHARED USE PATH
- (C) EXISTING AGGREGATE BASE COURSE

**PROPOSED LEGEND**

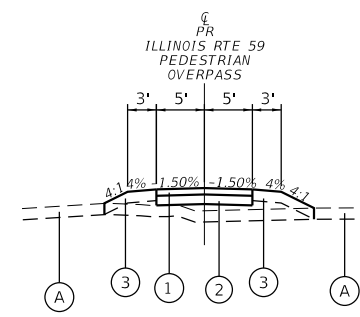
- (1) HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 4"
- (2) AGGREGATE BASE COURSE, TYPE B 6"
- (3) TOPSOIL EXCAVATION AND PLACEMENT, SEEDING, & EROSION CONTROL BLANKET (SPECIAL).



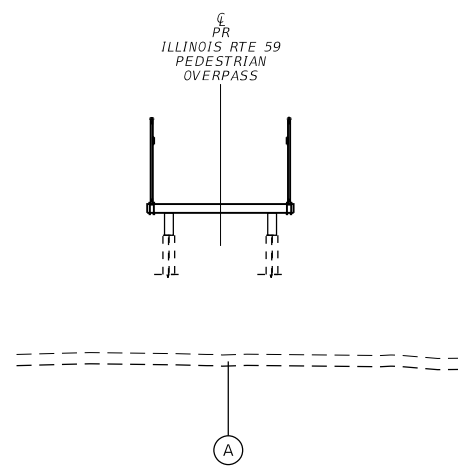
**PROPOSED TYPICAL SECTION**  
 ILLINOIS ROUTE 59  
 PATH TRANSITION  
 STA 100+71.94 TO STA 100+80.13  
 STA 122+54.11 TO STA 122+66.72



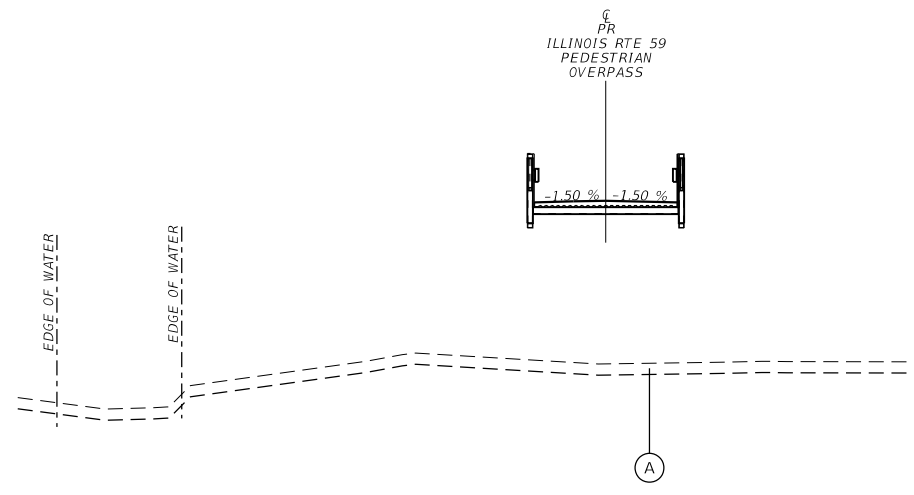
**PROPOSED TYPICAL SECTION**  
 REPLACEMENT HMA MULTI-USE PATH  
 WEST LIMITS OF PROPOSED BOARD WALK  
 TO ILLINOIS ROUTE 59



**PROPOSED TYPICAL SECTION**  
 PROPOSED HMA MULTI-USE PATH  
 STA 100+80.13 TO STA 101+41.13



**PROPOSED TYPICAL SECTION**  
 ILLINOIS ROUTE 59  
 PEDESTRIAN OVERPASS  
 STA 101+51.13 TO STA 106+68.85  
 STA 112+95.85 TO STA 122+44.11



**PROPOSED TYPICAL SECTION**  
 ILLINOIS ROUTE 59  
 PEDESTRIAN OVERPASS  
 STA 106+68.85 TO STA 112+95.85

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
MULTI-USE PATH & PATH TRANSITION		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 4" (IN 2 LIFTS)	4% @ 50 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY ASSURANCE (QC/QA) PRE LR1030-2		

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



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - LMN	REVISED -
PLOT DATE = 11/3/2023	CHECKED - WBL	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 TYPICAL SECTIONS**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	8
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE: \\bmr\c:\pwworkspace\transys\corp\pwworkspace\transys\corp\pwworkspace\Documents\Projects\2021\C4101 - Chicago P4101210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II 303.00 - Road 303.01 - Standard Sheets\SCHEDULE OF QUANTITIES SHEETS

SUMMARY OF EARTHWORK

	21101505	20201200	20200100	EARTH EXCAVATION		EARTHWORK BALANCE	20400800
	TOPSOIL EXCAVATION AND PLACEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	(ADJ 15% FOR SHRINKAGE) + SUITABLE SUBBASE	EMBANKMENT	EXCESS (+) OR SHORTAGE (-)	FURNISHED EX
	USED FOR PR DESIGN	TOPSOIL					
LOCATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
STA 100+71.94 - STA 101+41.13	32	32	15	9	70.0	-60.00	
STA 122+50.00 - STA 122+66.71	12	11	5	1	35.0	-32.00	
STRUCTURAL			265.0				
0-10 YEAR			220.0	187.0	140.0	47.00	
10-100 YEAR			240.0	204.0	65.0	139.00	
TOTAL	44	43	745.0	401.0	310.0	94.0	310.0
ROUNDED UP TO NEAREST 5	45	45	745				310



USER NAME = lmnainggolan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/16/2023	DATE -	REVISED -

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

**IL 59 PEDESTRIAN OVERPASS**  
**EARTHWORK SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	9
CONTRACT NO. 61167			ILLINOIS FED. AID PROJECT	

MODEL: Default  
 FILE: h:\bce\m101-a-e\transys\corp\pww\1\Documents\Projects\_2021\C1M401 - ChicagoP401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II 303.00 - Road303.01 - Standard Sheets\Schedule of Quantities\SCHEDULE OF QUANTITIES SHEETS

Tree Number	LOCATION	STATION	OFFSET	NO. OF STEMS	Size (Inches)	X2010400 STUMP REMOVAL ONLY
1	IL 59 OVERPASS	100+66.68	4.6' LT	1	10.0	10.0
2	IL 59 OVERPASS	100+82.01	21.7' RT	2	15,15	30.0
3	IL 59 OVERPASS	105+12.20	7.7' LT	2	6,4	10.0
4	IL 59 OVERPASS	106+68.71	13.4' LT	1	6.0	6.0
5	IL 59 OVERPASS	107+64.54	0.2' RT	1	15.0	15.0
6	IL 59 OVERPASS	108+74.41	50.2' RT	1	14.0	14.0
7	IL 59 OVERPASS	109+10.37	64.3' RT	4	5,7,4,2	18.0
8	IL 59 OVERPASS	109+16.44	79.7' RT	1	6.0	6.0
9	IL 59 OVERPASS	109+71.50	18.3' LT	4	9, 14, 8, 8	39.0
10	IL 59 OVERPASS	111+05.03	15.3' LT	5	5, 6, 10, 6, 5	32.0
11	IL 59 OVERPASS	111+13.50	80.0' LT	1	16.0	16.0
12	IL 59 OVERPASS	111+23.68	13.6' LT	1	9.0	9.0
13	IL 59 OVERPASS	111+23.69	16.4' LT	5	6, 7, 5, 4, 4	26.0
14	IL 59 OVERPASS	111+28.79	101.6' LT	1	8.0	8.0
15	IL 59 OVERPASS	111+29.73	17.8' LT	6	3, 2, 5, 3, 7, 3	23.0
16	IL 59 OVERPASS	111+33.40	97.3' LT	1	12.0	12.0
17	IL 59 OVERPASS	111+36.68	7.2' LT	1	12.0	12.0
18	IL 59 OVERPASS	111+37.76	14.4' LT	6	4, 3, 5, 6, 5, 4	27.0
19	IL 59 OVERPASS	111+40.61	94.6' LT	1	10.0	10.0
20	IL 59 OVERPASS	111+51.62	0.7' RT	1	18.0	18.0
21	IL 59 OVERPASS	111+55.12	15.4' RT	3	5, 6, 7	18.0
22	IL 59 OVERPASS	111+58.19	4.4' LT	1	11.0	11.0
23	IL 59 OVERPASS	111+58.73	18.8' LT	1	10.0	10.0
24	IL 59 OVERPASS	111+65.69	14.3' LT	1	16.0	16.0
25	IL 59 OVERPASS	111+78.04	3.8' RT	3	4, 8, 4	16.0
26	IL 59 OVERPASS	111+79.94	0.7' LT	3	9, 6	15.0
27	IL 59 OVERPASS	111+80.27	4.2' LT	1	18.0	18.0
28	IL 59 OVERPASS	111+83.76	9.6' LT	3	9, 7	16.0
29	IL 59 OVERPASS	112+10.85	25.8' RT	3	8, 7	15.0
30	IL 59 OVERPASS	112+11.57	26.2' RT	2	8, 8	16.0
31	IL 59 OVERPASS	112+12.15	14.9' LT	8	6, 4, 3, 3, 3, 3, 4, 3	29.0
32	IL 59 OVERPASS	112+15.70	21.9' RT	1	6.0	6.0
33	IL 59 OVERPASS	112+22.21	13.3' LT	1	11.0	11.0
34	IL 59 OVERPASS	112+33.77	9.3' RT	1	9.0	9.0
35	IL 59 OVERPASS	112+36.64	23.4' RT	1	8.0	8.0
36	IL 59 OVERPASS	112+41.20	21.4' LT	5	5, 7, 7, 7, 8	34.0
37	IL 59 OVERPASS	112+41.37	12.7' LT	1	6.0	6.0
38	IL 59 OVERPASS	112+42.67	6.5' RT	1	8.0	8.0
39	IL 59 OVERPASS	112+42.88	21.5' RT	1	6.0	6.0
40	IL 59 OVERPASS	112+43.93	9.1' LT	1	7.0	7.0
41	IL 59 OVERPASS	112+44.15	21.0' RT	1	6.0	6.0
42	IL 59 OVERPASS	112+46.43	10.1' LT	1	6.0	6.0
43	IL 59 OVERPASS	112+51.51	22.8' RT	1	6.0	6.0
44	IL 59 OVERPASS	112+57.82	13.4' LT	1	8.0	8.0
45	IL 59 OVERPASS	112+62.62	30.2' RT	1	9.0	9.0
46	IL 59 OVERPASS	112+77.58	11.4' LT	3	9, 8	17.0
47	IL 59 OVERPASS	112+78.56	48.8' RT	1	10.0	10.0
48	IL 59 OVERPASS	112+82.76	37.0' RT	1	8.0	8.0

Tree Number	LOCATION	STATION	OFFSET	NO. OF STEMS	Size (Inches)	X2010400 STUMP REMOVAL ONLY
49	IL 59 OVERPASS	112+84.30	9.5' LT	1	8.0	8.0
50	IL 59 OVERPASS	112+86.01	4.2' LT	1	10.0	10.0
51	IL 59 OVERPASS	112+88.56	38.4' RT	1	7.0	7.0
52	IL 59 OVERPASS	112+89.19	10.7' LT	1	14.0	14.0
53	IL 59 OVERPASS	113+19.41	23.3' RT	1	7.0	7.0
54	IL 59 OVERPASS	113+28.34	33.1' LT	3	10, 18	28.0
55	IL 59 OVERPASS	113+40.06	3.8' RT	1	9.0	9.0
56	IL 59 OVERPASS	113+68.64	15.4' RT	1	7.0	7.0
57	IL 59 OVERPASS	113+81.55	6.6' RT	2	9, 3	12.0
58	IL 59 OVERPASS	114+43.95	24.9' LT	3	7, 4, 2	13.0
59	IL 59 OVERPASS	115+13.76	25.5' LT	5	8, 7, 3, 6, 8	32.0
60	IL 59 OVERPASS	115+54.10	25.7' LT	2	15, 14	29.0
61	IL 59 OVERPASS	115+60.48	8.9' RT	3	10, 10, 9	29.0
62	IL 59 OVERPASS	115+73.52	16.0' RT	1	8.0	8.0
63	IL 59 OVERPASS	116+04.98	15.1' RT	1	25.0	25.0
64	IL 59 OVERPASS	116+17.67	12.0' RT	1	7.0	7.0
65	IL 59 OVERPASS	116+26.98	7.6' RT	1	9.0	9.0
66	IL 59 OVERPASS	116+37.51	0.6' LT	1	8.0	8.0
67	IL 59 OVERPASS	116+42.16	6.3' RT	1	8.0	8.0
68	IL 59 OVERPASS	116+42.24	3.6' LT	1	9.0	9.0
69	IL 59 OVERPASS	116+44.72	22.3' LT	2	9,5	14.0
70	IL 59 OVERPASS	116+50.22	5.0' RT	1	8.0	8.0
71	IL 59 OVERPASS	116+50.52	25.9' LT	1	7.0	7.0
72	IL 59 OVERPASS	116+53.39	15.6' RT	1	6.0	6.0
73	IL 59 OVERPASS	116+54.61	6.5' RT	1	6.0	6.0
74	IL 59 OVERPASS	116+54.91	23.2' LT	1	8.0	8.0
75	IL 59 OVERPASS	116+57.09	25.2' LT	1	9.0	9.0
76	IL 59 OVERPASS	116+62.77	7.7' LT	1	6.0	6.0
77	IL 59 OVERPASS	116+62.83	2.7' LT	1	6.0	6.0
78	IL 59 OVERPASS	116+63.45	10.5' LT	1	10.0	10.0
79	IL 59 OVERPASS	116+64.29	11.1' LT	1	11.0	11.0
80	IL 59 OVERPASS	116+69.84	16.5' LT	1	6.0	6.0
81	IL 59 OVERPASS	116+71.35	20.0' LT	1	7.0	7.0
82	IL 59 OVERPASS	116+83.69	16.4' LT	1	9.0	9.0
83	IL 59 OVERPASS	116+83.75	15.5' LT	1	8.0	8.0
84	IL 59 OVERPASS	116+97.29	11.5' LT	1	10.0	10.0
85	IL 59 OVERPASS	116+98.15	12.0' LT	1	11.0	11.0
86	IL 59 OVERPASS	117+07.22	46.8' RT	1	6.0	6.0
87	IL 59 OVERPASS	117+10.24	22.1' LT	1	7.0	7.0
88	IL 59 OVERPASS	117+60.72	34.8' RT	1	7.0	7.0
89	IL 59 OVERPASS	117+69.74	31.0' RT	1	6.0	6.0
90	IL 59 OVERPASS	117+76.31	18.1' RT	1	6.0	6.0
91	IL 59 OVERPASS	117+82.46	10.1' RT	1	6.0	6.0
92	IL 59 OVERPASS	117+84.36	8.3' RT	1	7.0	7.0
93	IL 59 OVERPASS	118+09.66	24.2' LT	1	8.0	8.0
94	IL 59 OVERPASS	118+69.74	24.3' LT	1	7.0	7.0
95	IL 59 OVERPASS	118+74.02	27.3' LT	2	8,9	17.0
96	IL 59 OVERPASS	118+75.68	35.3' LT	1	7.0	7.0



USER NAME = Imnainggolan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/3/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
TREE STUMP REMOVAL**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	10
CONTRACT NO. 61J67				
ILLINOIS		FED. AID PROJECT		

MODEL: Default  
 FILE: h:\bce\m101\_b.e\transys\corp\pww\Documents\Projects\_2021\CIM401 - ChicagoP401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\Schedule of Quantities\SCHEDULE OF QUANTITIES SHEETS

Tree Number	LOCATION	STATION	OFFSET	NO. OF STEMS	Size (Inches)	X2010400 STUMP REMOVAL ONLY
97	IL 59 OVERPASS	118+94.13	3.6' RT	1	6.0	6.0
98	IL 59 OVERPASS	119+02.36	37.8' RT	1	6.0	6.0
99	IL 59 OVERPASS	119+03.42	20.2' RT	1	8.0	8.0
100	IL 59 OVERPASS	119+05.09	32.0' RT	1	6.0	6.0
101	IL 59 OVERPASS	119+06.18	29.8' RT	1	6.0	6.0
102	IL 59 OVERPASS	119+15.86	35.9' RT	2	6, 6	12.0
103	IL 59 OVERPASS	119+19.81	8.1' RT	1	7.0	7.0
104	IL 59 OVERPASS	119+25.72	29.2' RT	1	6.0	6.0
105	IL 59 OVERPASS	119+29.76	23.4' RT	1	7.0	7.0
106	IL 59 OVERPASS	119+31.81	31.8' RT	1	6.0	6.0
107	IL 59 OVERPASS	119+34.85	17.6' RT	1	7.0	7.0
108	IL 59 OVERPASS	119+40.72	15.5' LT	1	14.0	14.0
109	IL 59 OVERPASS	119+42.58	9.8' LT	1	7.0	7.0
110	IL 59 OVERPASS	119+47.09	8.4' LT	1	7.0	7.0
111	IL 59 OVERPASS	119+52.69	3.5' RT	1	6.0	6.0
112	IL 59 OVERPASS	119+53.44	10.8' RT	1	6.0	6.0
113	IL 59 OVERPASS	119+53.53	12.3' LT	1	7.0	7.0
114	IL 59 OVERPASS	119+59.68	2.7' LT	1	6.0	6.0
115	IL 59 OVERPASS	119+61.38	6.3' RT	1	9.0	9.0
116	IL 59 OVERPASS	119+61.81	1.8' LT	1	7.0	7.0
117	IL 59 OVERPASS	119+62.87	17.0' LT	1	7.0	7.0
118	IL 59 OVERPASS	119+63.19	9.4' RT	1	7.0	7.0
119	IL 59 OVERPASS	119+66.63	10.9' RT	1	6.0	6.0
120	IL 59 OVERPASS	119+67.98	12.5' RT	1	7.0	7.0
121	IL 59 OVERPASS	119+69.59	8.1' LT	1	7.0	7.0
122	IL 59 OVERPASS	119+73.77	10.1' LT	1	6.0	6.0
123	IL 59 OVERPASS	119+79.04	3.5' LT	1	7.0	7.0
124	IL 59 OVERPASS	119+79.23	4.6' LT	1	7.0	7.0
125	IL 59 OVERPASS	119+79.24	12.3' LT	1	9.0	9.0
126	IL 59 OVERPASS	119+82.90	5.8' RT	1	10.0	10.0
127	IL 59 OVERPASS	119+90.79	1.7' LT	3	6, 8, 9	23.0
128	IL 59 OVERPASS	119+90.91	4.7' LT	3	6, 8, 9	23.0
129	IL 59 OVERPASS	119+93.50	9.4' RT	1	6.0	6.0
130	IL 59 OVERPASS	119+96.41	5.4' LT	1	9.0	9.0
131	IL 59 OVERPASS	120+03.16	5.7' RT	1	6.0	6.0
132	IL 59 OVERPASS	120+03.80	9.2' RT	1	7.0	7.0
133	IL 59 OVERPASS	120+08.05	10.2' RT	1	8.0	8.0
134	IL 59 OVERPASS	120+18.43	6.1' RT	3	5, 6, 7	18.0
135	IL 59 OVERPASS	120+25.91	10.8' RT	1	10.0	10.0
136	IL 59 OVERPASS	120+48.03	12.5' RT	1	9.0	9.0
137	IL 59 OVERPASS	120+52.80	23.3' LT	1	10.0	10.0
138	IL 59 OVERPASS	121+05.56	8.1' LT	1	6.0	6.0
139	IL 59 OVERPASS	121+06.88	4.7' RT	1	8.0	8.0
140	IL 59 OVERPASS	121+17.88	18.8' LT	1	6.0	6.0
141	IL 59 OVERPASS	121+57.95	21.7' LT	1	6.0	6.0
142	IL 59 OVERPASS	121+59.05	4.1' RT	1	8.0	8.0
143	IL 59 OVERPASS	121+80.51	6.3' RT	1	6.0	6.0
144	IL 59 OVERPASS	122+01.09	11.2' LT	1	7.0	7.0

Tree Number	LOCATION	STATION	OFFSET	NO. OF STEMS	Size (Inches)	X2010400 STUMP REMOVAL ONLY
145	IL 59 OVERPASS	122+27.10	5.7' LT	1	7.0	7.0
146	IL 59 OVERPASS	122+32.84	22.1' LT	1	7.0	7.0
147	IL 59 OVERPASS	122+39.26	15.2' RT	1	7.0	7.0
148	IL 59 OVERPASS	122+49.35	19.5' LT	1	9.0	9.0
149	IL 59 OVERPASS	122+51.90	13.1' LT	6	10,10,3,4,8,4	39.0
150	IL 59 OVERPASS	122+53.53	2.8' LT	1	16.0	16.0
151	IL 59 OVERPASS	122+56.28	10.8' RT	1	7.0	7.0
152	IL 59 OVERPASS	122+57.26	7.7' RT	1	7.0	7.0
153	IL 59 OVERPASS	122+57.35	3.7' RT	1	7.0	7.0
154	IL 59 OVERPASS	122+63.37	29.1' RT	1	12.0	12.0
155	IL 59 OVERPASS	119.71.1	9.7' LT	1	7.0	7.0
TOTAL						1,711.0



USER NAME = Imnaingolan	DESIGNED -	REVISED -
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PLOT DATE = 11/3/2023	CHECKED -	REVISED -
	DATE -	REVISED -

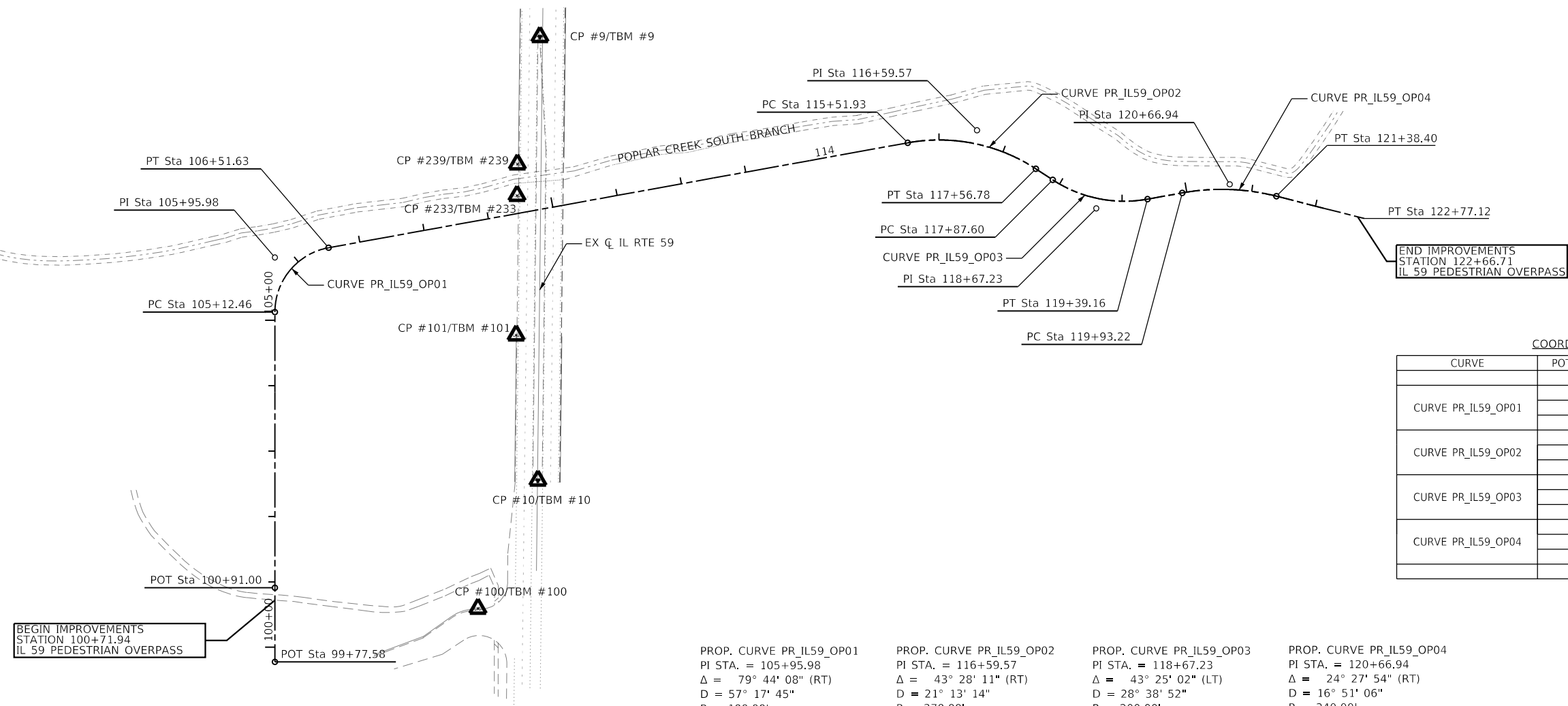
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
TREE STUMP REMOVAL**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	11
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
 FILE: \\blm1c01\pub\hsp\m101\ae\transys\corp\pww\Documents\Projects\_2021\CHM01 - Chicago P401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\06 Alignment, Ties and Benchmarks\10087-ATB-01



BEGIN IMPROVEMENTS  
STATION 100+71.94  
IL 59 PEDESTRIAN OVERPASS

END IMPROVEMENTS  
STATION 122+66.71  
IL 59 PEDESTRIAN OVERPASS

PROP. CURVE PR_IL59_OP01 PI STA. = 105+95.98 $\Delta = 79^\circ 44' 08''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 83.52'$ $L = 139.16'$ $E = 30.29'$ P.C. STA. = 105+12.46 P.T. STA. = 106+51.63	PROP. CURVE PR_IL59_OP02 PI STA. = 116+59.57 $\Delta = 43^\circ 28' 11''$ (RT) $D = 21^\circ 13' 14''$ $R = 270.00'$ $T = 107.64'$ $L = 204.85'$ $E = 20.66'$ P.C. STA. = 115+51.93 P.T. STA. = 117+56.78	PROP. CURVE PR_IL59_OP03 PI STA. = 118+67.23 $\Delta = 43^\circ 25' 02''$ (LT) $D = 28^\circ 38' 52''$ $R = 200.00'$ $T = 79.62'$ $L = 151.55'$ $E = 15.27'$ P.C. STA. = 117+87.60 P.T. STA. = 119+39.16	PROP. CURVE PR_IL59_OP04 PI STA. = 120+66.94 $\Delta = 24^\circ 27' 54''$ (RT) $D = 16^\circ 51' 06''$ $R = 340.00'$ $T = 73.71'$ $L = 145.18'$ $E = 7.90'$ P.C. STA. = 119+93.22 P.T. STA. = 121+38.40
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COORDINATE INFORMATION

CURVE	POT, PC/PI/PT	NORTHING	EASTING
CURVE PR_IL59_OP01	POT	1,950,768.28	1,019,262.26
	PC	1,951,189.74	1,019,266.26
	PI	1,951,273.26	1,019,266.26
CURVE PR_IL59_OP02	PT	1,951,288.14	1,019,348.44
	PC	1,951,448.57	1,020,234.34
	PI	1,951,467.75	1,020,340.25
CURVE PR_IL59_OP03	PT	1,951,408.80	1,020,430.31
	PC	1,951,391.92	1,020,456.10
	PI	1,951,348.32	1,020,522.73
CURVE PR_IL59_OP04	PT	1,951,362.43	1,020,601.09
	PC	1,951,372.02	1,020,654.30
	PI	1,951,385.09	1,020,726.84
	POT	1,951,366.94	1,020,798.29
	POT	1,951,332.79	1,020,932.73

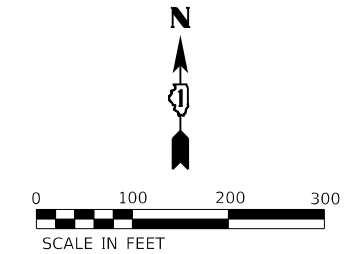
CONTROL POINT SUMMARY

NAME	NORTHING	EASTING	DESCRIPTION
CP #9	1,951,610.612	1,019,671.556	FOUND PK NAIL CENTER OF IL 59 MEDIAN, SOUTH OF MAGNOLIA DRIVE.
CP #10	1,950,932.347	1,019,668.469	SET MAG NAIL CENTER OF IL 59 MEDIAN, NORTH OF PRAIRIE POINTE LANE
CP #100	1,950,736.647	1,019,576.905	SET MAG NAIL ON EXISTING LIGHT POLE FOUNDATION.
CP #101	1,951,154.475	1,019,635.197	SET MAG NAIL ON TOP OF SOUTHBOUND WINGWALL, NORTH OF PRAIRIE POINTE LANE.
CP #233	1,951,367.770	1,019,636.708	SET MAG NAIL ON TOP OF SOUTHBOUND WINGWALL, NORTH OF POPLAR CREEK SOUTH BRANCH.
CP #239	1,951,415.926	1,019,637.274	SET MAG NAIL ON TOP OF SOUTHBOUND WINGWALL, SOUTH OF POPLAR CREEK SOUTH BRANCH.

BENCHMARK SUMMARY

NAME	ELEVATION	STATION	DESCRIPTION
TBM #9	782.01	STA 110+27.03, 259.73' LT	FOUND PK NAIL CENTER OF IL 59 MEDIAN, SOUTH OF MAGNOLIA DRIVE.
TBM #10	781.07	STA 102+55.07, 402.98' RT	SET MAG NAIL CENTER OF IL 59 MEDIAN, NORTH OF PRAIRIE POINTE LANE
TBM #100	783.88	STA 100+59.37, 259.73' LT	SET MAG NAIL ON EXISTING LIGHT POLE FOUNDATION.
TBM #101	781.37	STA 104+77.20, 182.62' RT	SET MAG NAIL ON TOP OF SOUTHBOUND WINGWALL, NORTH OF PRAIRIE POINTE LANE.
TBM #233	782.19	STA 109+49.47, 26.99' LT	SET MAG NAIL ON TOP OF SOUTHBOUND WINGWALL, NORTH OF POPLAR CREEK SOUTH BRANCH.
TBM #239	782.06	STA 109+58.61, 74.27' LT	SET MAG NAIL ON TOP OF SOUTHBOUND WINGWALL, SOUTH OF POPLAR CREEK SOUTH BRANCH.

DATUMS: HORIZONTAL = ILLINOIS STATE PLANE  
VERTICAL = NAVD 88



USER NAME = Imnainggolan	DESIGNED -	REVISED -
PLOT SCALE = 200,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/3/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

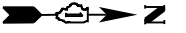
IL 59 PEDESTRIAN OVERPASS  
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

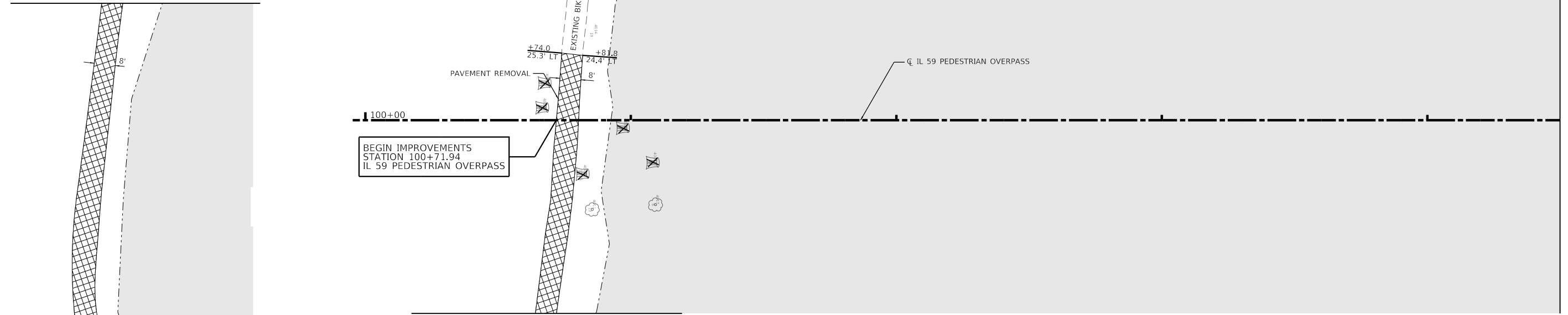
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	12
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE SHEETS 10 TO 11 FOR TREE STUMP REMOVAL SCHEDULE.
2. TREE STUMP REMOVALS LESS THAN 6 INCHES IN DIAMETER SHALL NOT BE MEASURED FOR PAYMENT AS NOTED IN THE STANDARD SPECIFICATION.
3. TREE REMOVALS SHALL BE PERFORMED SEPARATELY BY OTHERS.
4. TREE STUMP SHALL BE REMOVED AT THE ENGINEER'S DISCRETION.

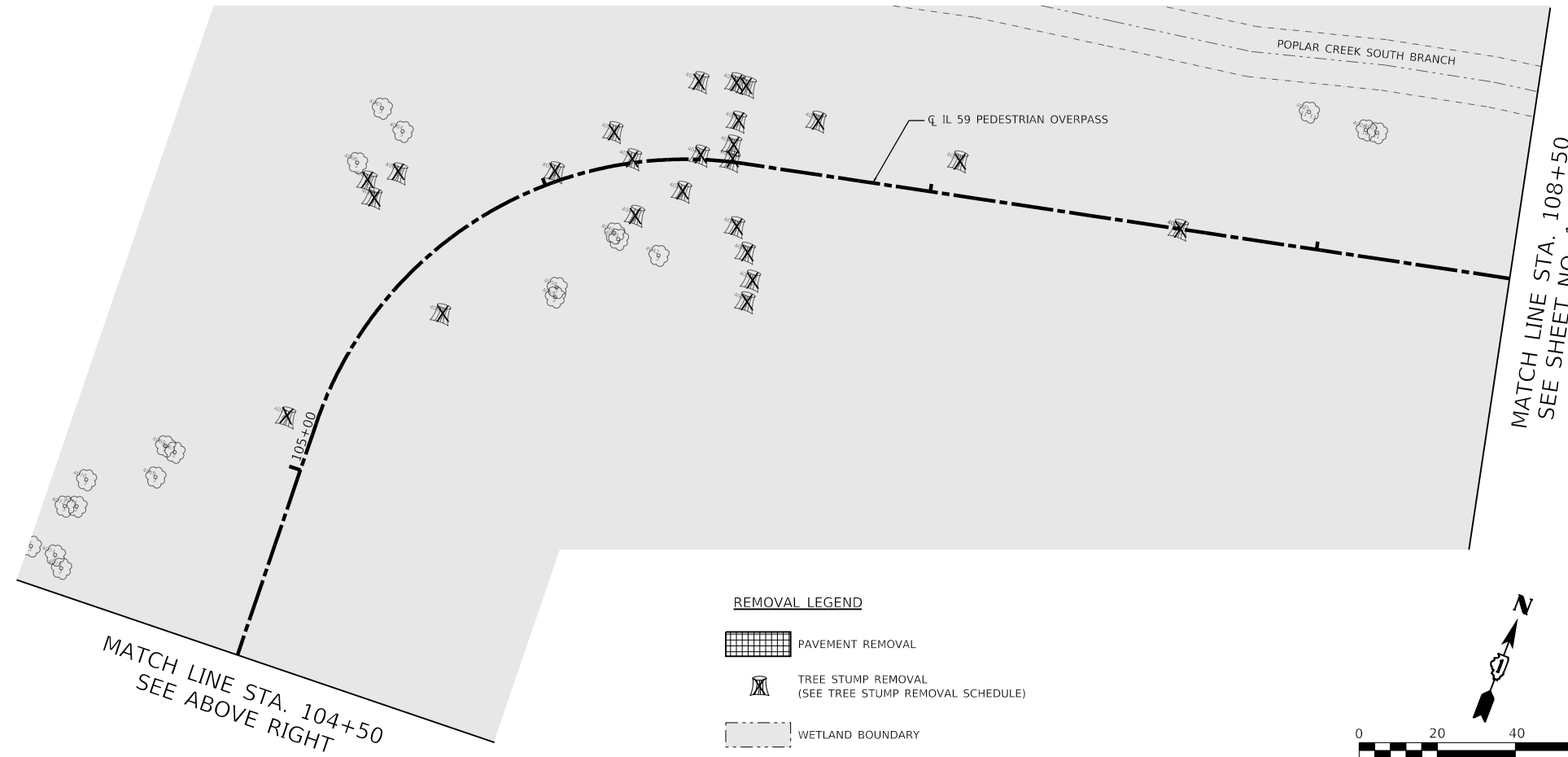
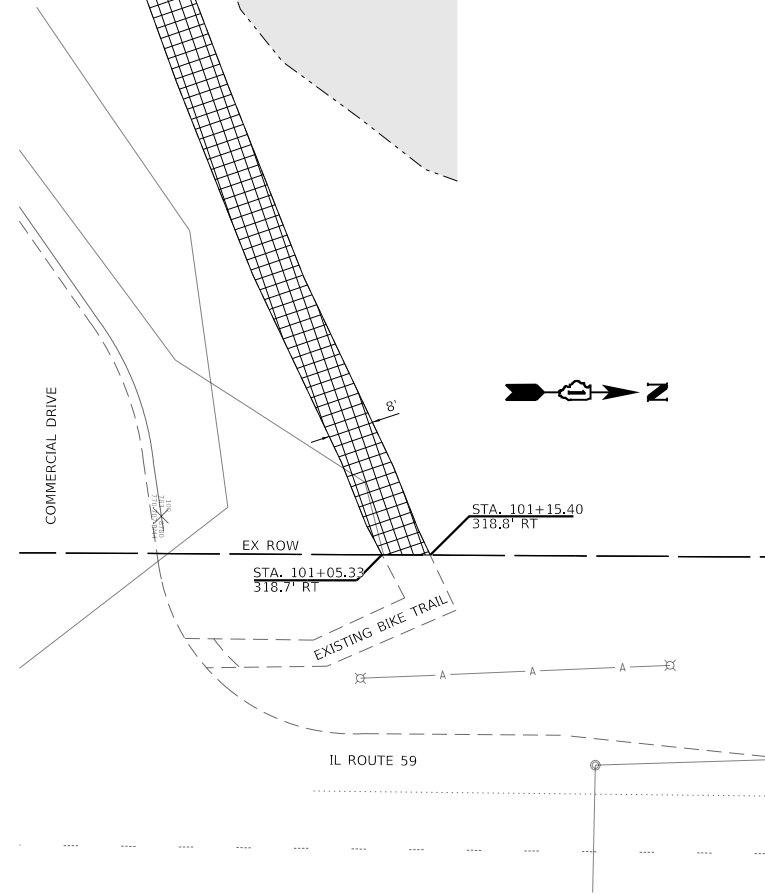


MATCH LINE A-A SEE BELOW RIGHT



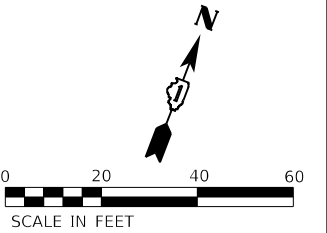
MATCH LINE A-A SEE ABOVE LEFT

MATCH LINE STA. 104+50  
SEE BELOW LEFT



**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- TREE STUMP REMOVAL (SEE TREE STUMP REMOVAL SCHEDULE)
- WETLAND BOUNDARY



MODEL: Default  
FILE: h:\mhc\p101\h01\h01\transys\corp\p101\Documents\Projects\_2021\C1401 - Chicago P401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II 303.00 - Road303.01 - Standard Sheets07 Removal Plans\087-SH1-REM141.dgn



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
	DRAWN - LMN	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

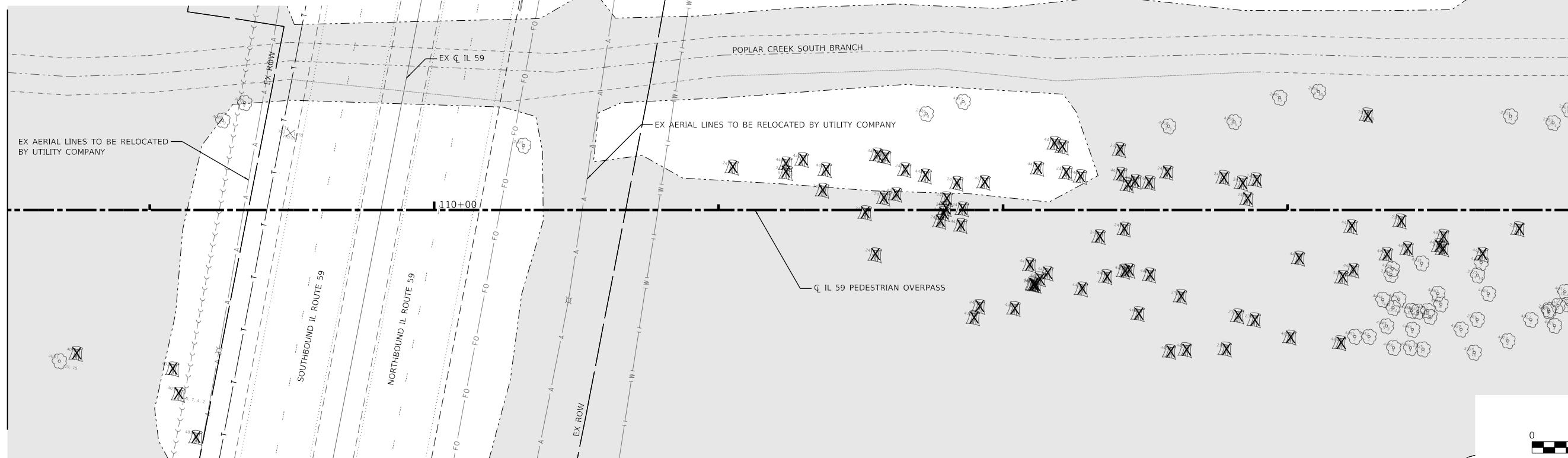
**IL 59 PEDESTRIAN OVERPASS  
REMOVAL PLANS**

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 100+71.94 TO STA. 108+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	13
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

- NOTES:**
1. SEE SHEETS 10 TO 11 FOR TREE STUMP REMOVAL SCHEDULE.
  2. TREE STUMP REMOVALS LESS THAN 6 INCHES IN DIAMETER SHALL NOT BE MEASURED FOR PAYMENT AS NOTED IN THE STANDARD SPECIFICATION.
  3. TREE REMOVALS SHALL BE PERFORMED SEPARATELY BY OTHERS.
  4. TREE STUMP SHALL BE REMOVED AT THE ENGINEER'S DISCRETION.

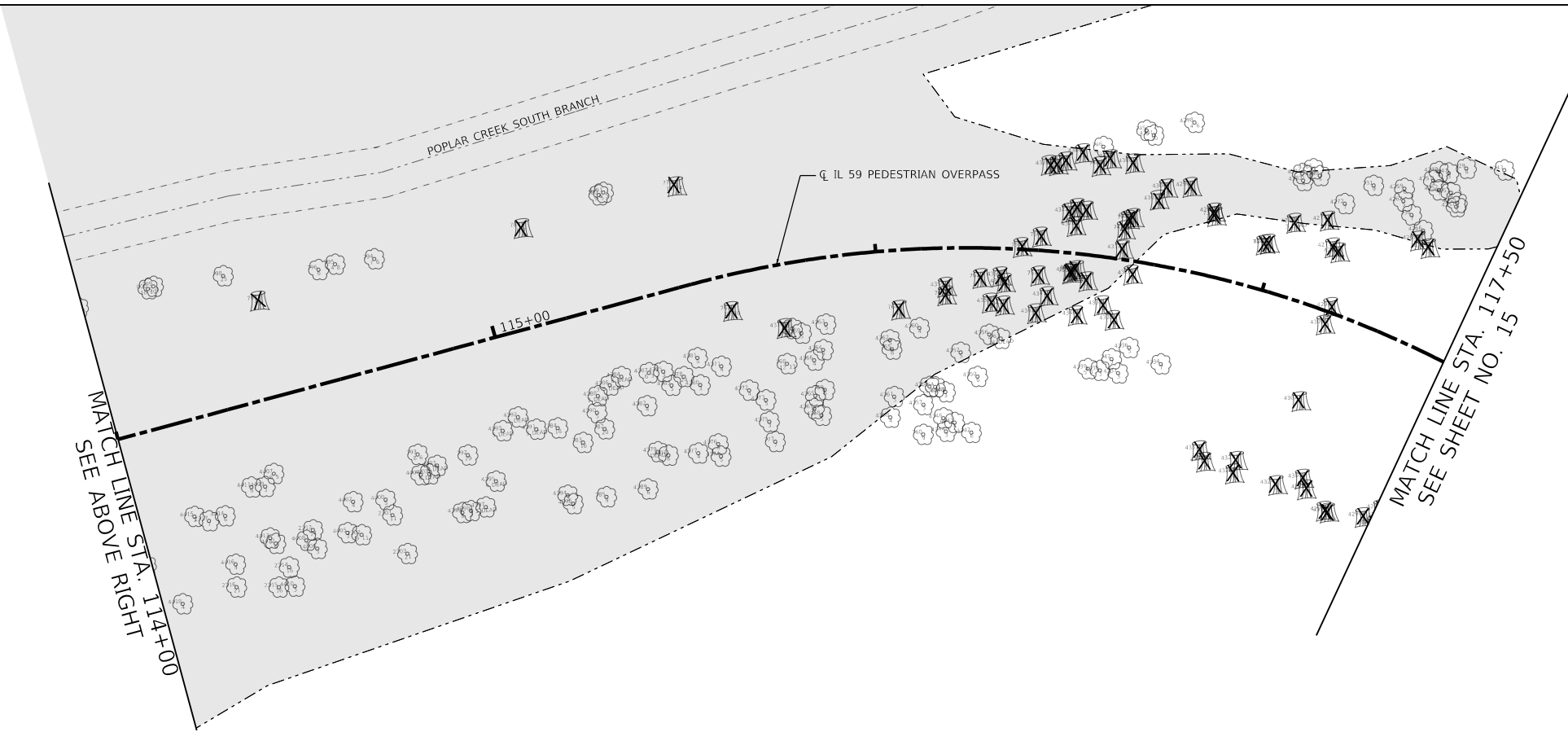
SEE SHEET NO. 13  
MATCH LINE STA. 108+50



MATCH LINE STA. 114+00  
SEE BELOW LEFT





MATCH LINE STA. 114+00  
SEE ABOVE RIGHT



MATCH LINE STA. 117+50  
SEE SHEET NO. 15



**REMOVAL LEGEND**

-  TREE STUMP REMOVAL (SEE TREE STUMP REMOVAL SCHEDULE)
-  WETLAND BOUNDARY



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
DRAWN - LMN	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

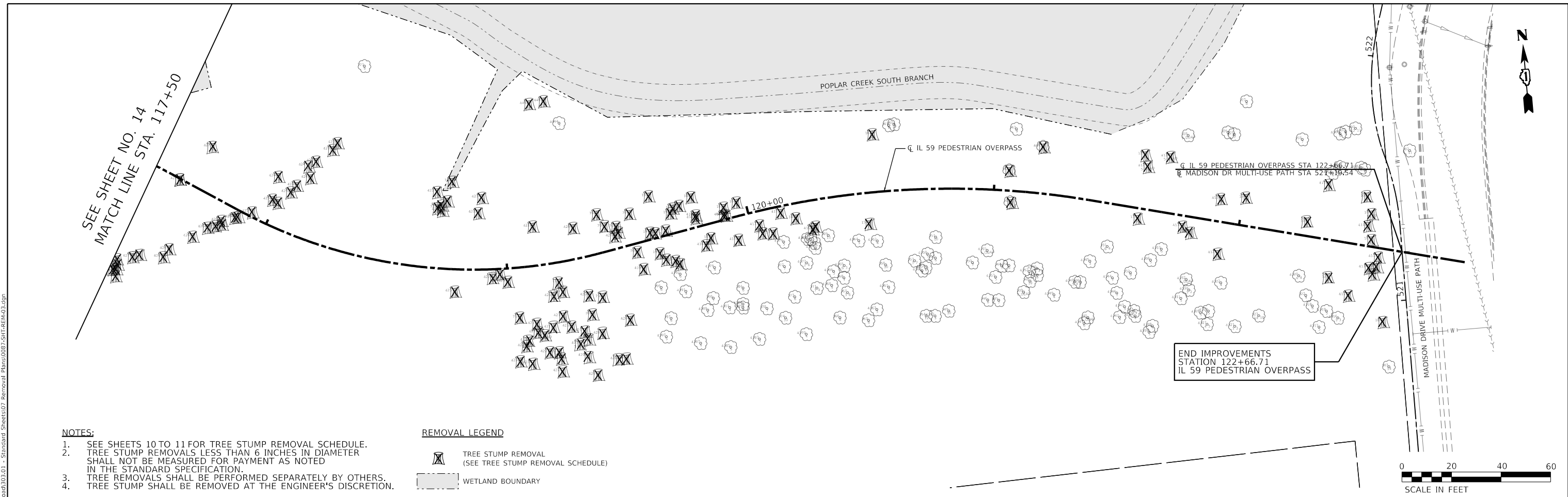
**IL 59 PEDESTRIAN OVERPASS  
REMOVAL PLANS**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 108+50 TO STA. 117+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	14
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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 ROAD: 303.01 - Standard Sheets\07 - Removal Plans\087-SHT-REM-02.dgn  
 PHASE: II\303.00 - Road\303.01 - Standard Sheets\07 - Removal Plans\087-SHT-REM-02.dgn

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- NOTES:**
- SEE SHEETS 10 TO 11 FOR TREE STUMP REMOVAL SCHEDULE.
  - TREE STUMP REMOVALS LESS THAN 6 INCHES IN DIAMETER SHALL NOT BE MEASURED FOR PAYMENT AS NOTED IN THE STANDARD SPECIFICATION.
  - TREE REMOVALS SHALL BE PERFORMED SEPARATELY BY OTHERS.
  - TREE STUMP SHALL BE REMOVED AT THE ENGINEER'S DISCRETION.

**REMOVAL LEGEND**

- TREE STUMP REMOVAL (SEE TREE STUMP REMOVAL SCHEDULE)
- WETLAND BOUNDARY



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
DRAWN - LMN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 REMOVAL PLANS**

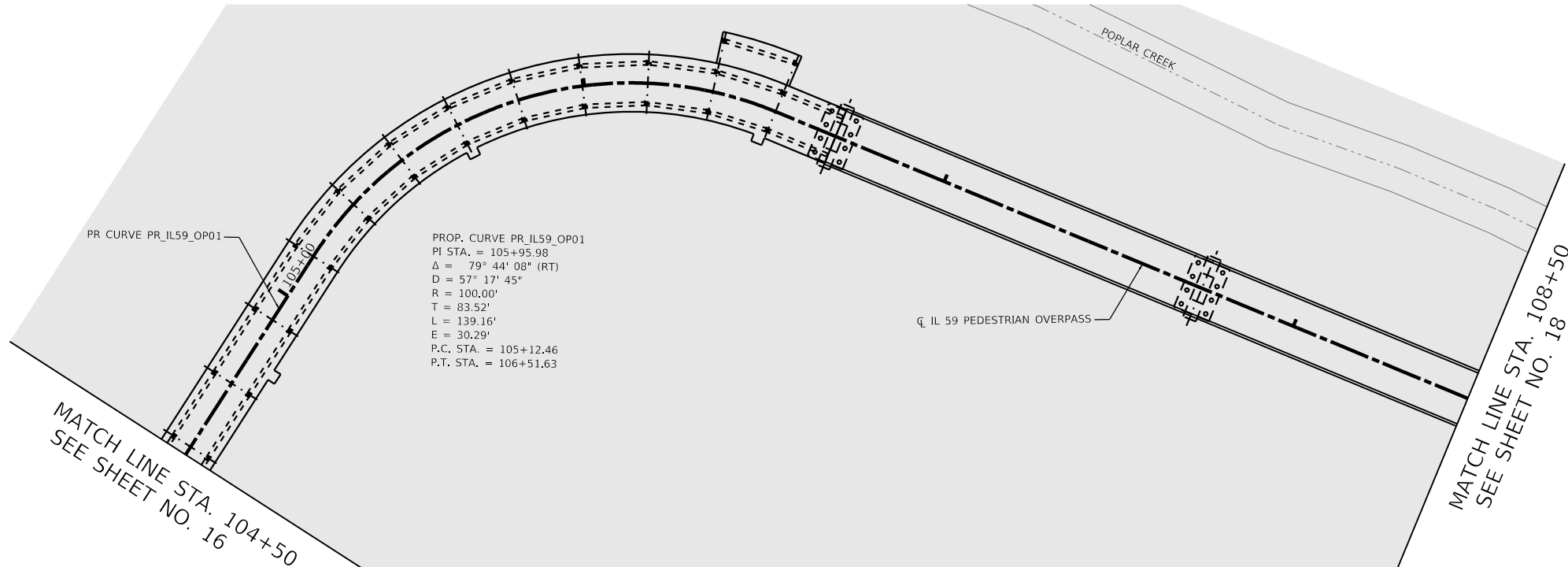
SCALE: 1"=20'    SHEET 3 OF 3 SHEETS    STA. 117+50 TO STA. 122+66.71

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	15
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				





NOTES:  
 1. SEE STRUCTURAL SHEETS 58 - 62 FOR BOARDWALK DETAILS.

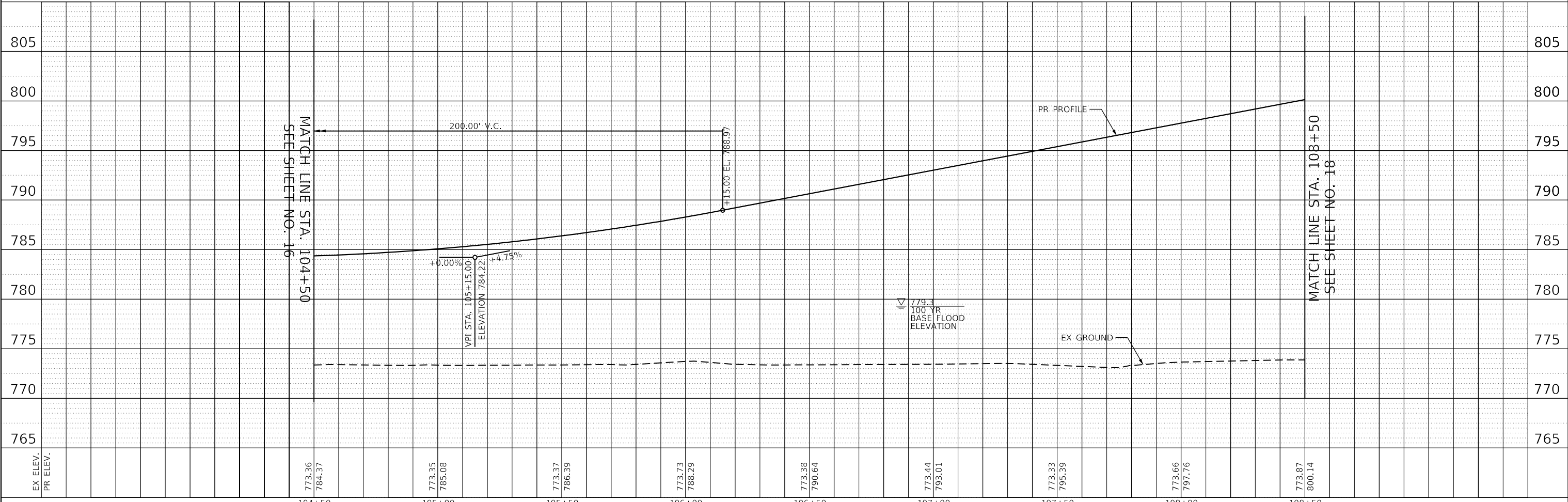


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	CAD FILE NAME	
	NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHWD	
	NO.	
	BY	

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LEGEND



EX ELEV.	773.36	773.35	773.37	773.73	773.38	773.44	773.33	773.66	773.87	805
PR ELEV.	784.37	785.08	786.39	788.29	790.64	793.01	795.39	797.76	800.14	805
	104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	



USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -
	DRAWN - LMN	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL 59 PEDESTRIAN OVERPASS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLAN AND PROFILE, SIGNING PLAN, AND WATER MAIN RELOCATION			338	21-00067-00-BR	COOK	96	17
SCALE: 1"=20'			SHEET 2 OF 5 SHEETS		STA. 104+50 TO STA. 108+50	CONTRACT NO. 61J67	
ILLINOIS			FED. AID PROJECT				

**NOTES:**

- SEE SHEET 34 FOR LOCATION OF BRIDGE TRUSS SIGN PANEL ON PROPOSED OVERPASS.
- SEE SHEET 36 FOR BRIDGE TRUSS SIGN PANEL DETAIL.

**WATERMAIN RELOCATION SEQUENCE OF CONSTRUCTION**

- CONSTRUCT TWO VALVE VAULTS AND 12" VALVES.
- CONSTRUCT WATER MAIN CASING PIPE, 24".
- CONSTRUCT DUCTILE IRON WATER MAIN, 12" BETWEEN VALVES.
- INSTALL COPPER WHIPS AND CORPORATION STOPS IN VALVE VAULTS AS NEEDED.
- PRESSURE TEST AND CHLORINATE NEW 12" MAIN.
- MAKE CONNECTIONS TO EXISTING 12" MAIN AT THE NORTH AND SOUTH ENDS.
- CUT, CAP, AND ABANDON EXISTING 12" MAIN BETWEEN NEW VALVE VAULTS.

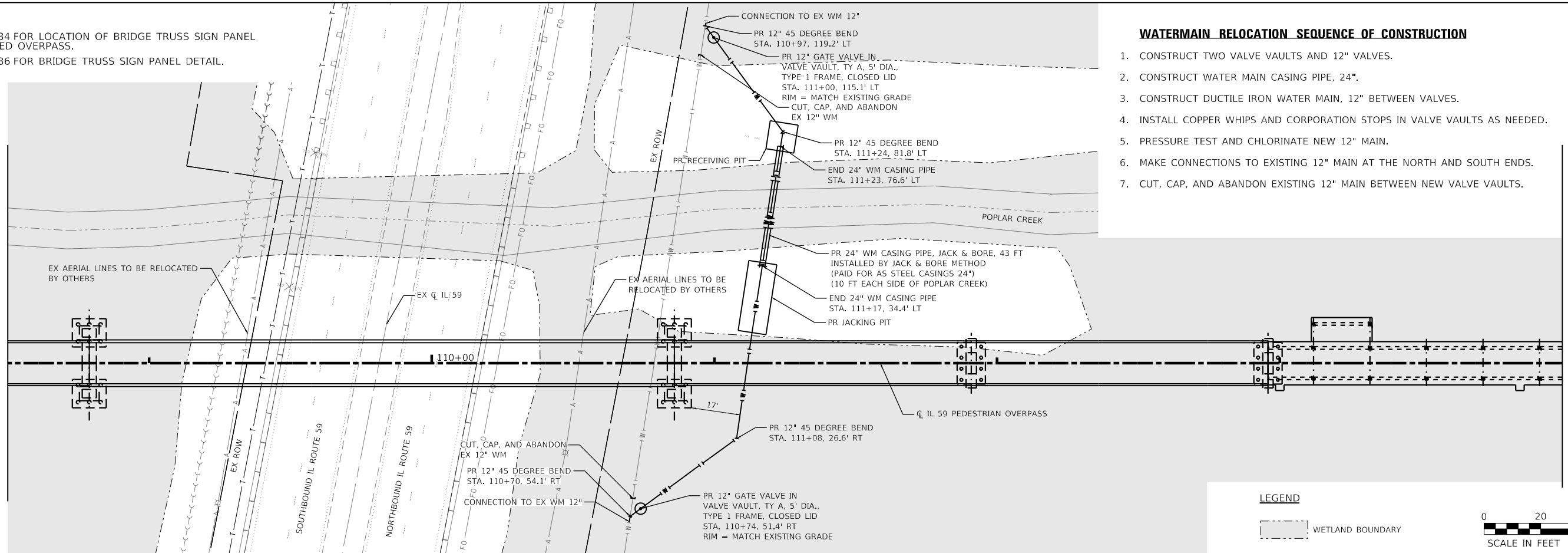
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PROFILE	SURVEYED	DATE
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	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHWD	
	NO.	

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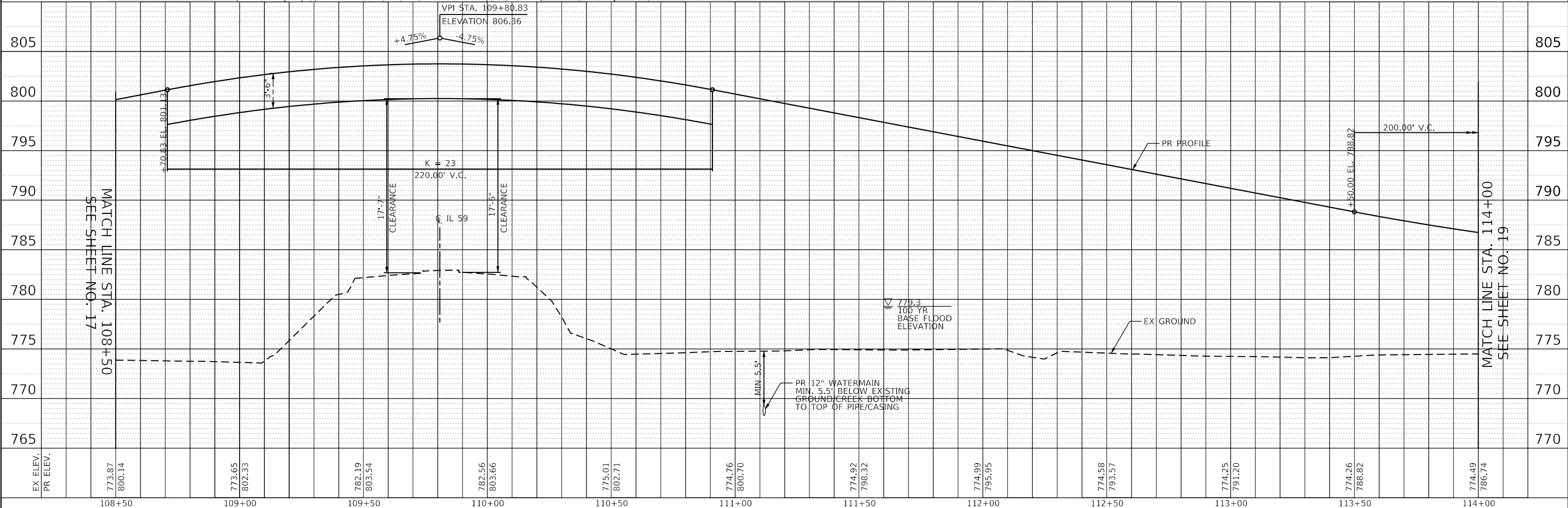
MATCH LINE STA. 108+50  
SEE SHEET NO. 17

MATCH LINE STA. 114+00  
SEE SHEET NO. 19



**LEGEND**

WETLAND BOUNDARY



MATCH LINE STA. 114+00  
SEE SHEET NO. 19

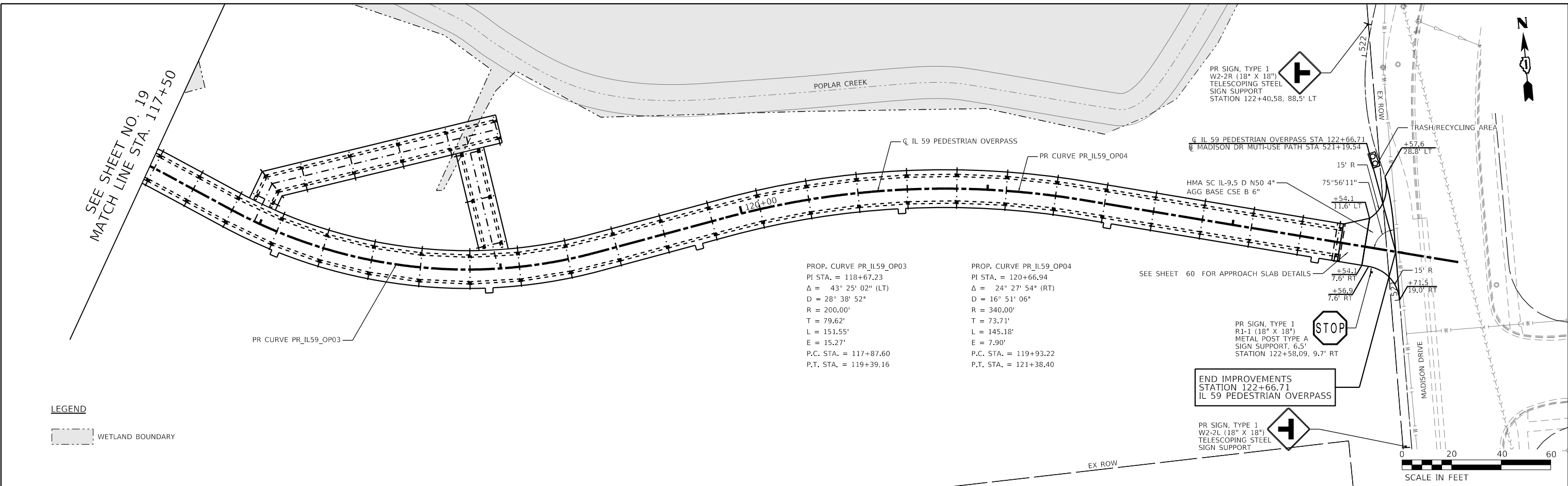
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	PLOT SCALE = 40.0000' / in.	CHECKED - WBL	REVISED -		SCALE: 1"=20'	SHEET 3	OF 5 SHEETS	STA. 108+50	TO STA. 114+00	CONTRACT NO. 61J67			
	PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -		ILLINOIS FED. AID PROJECT								



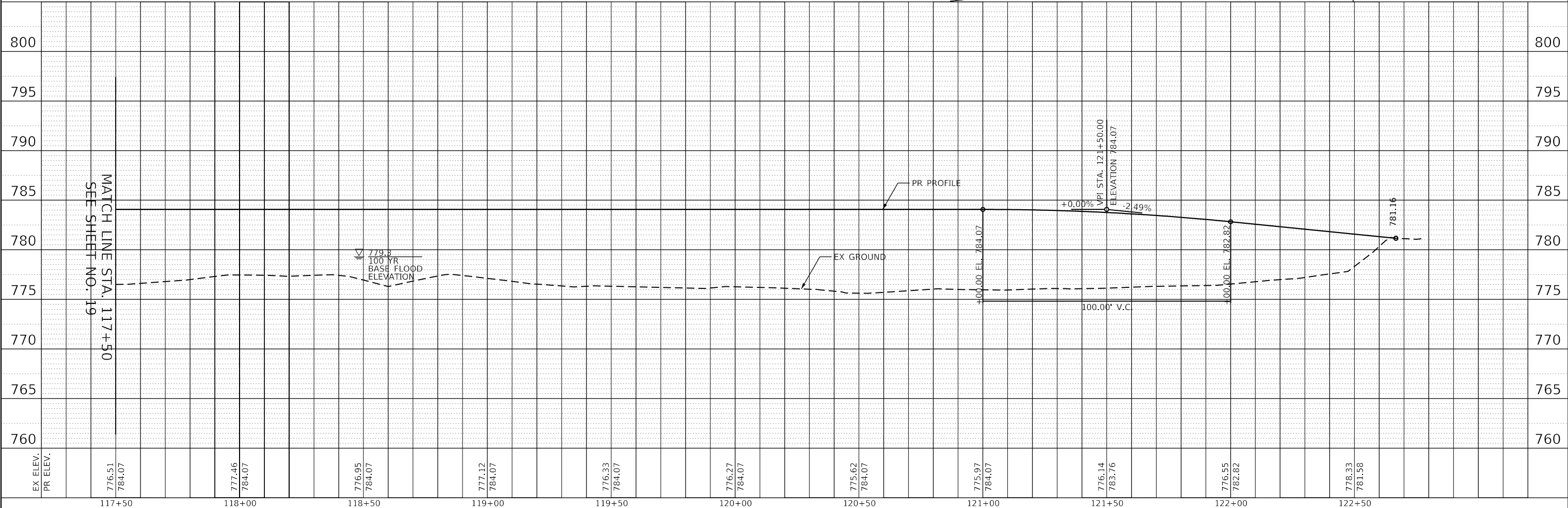
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	PLOTTED	
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	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
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	NOTE BOOK NO.	
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	BY	

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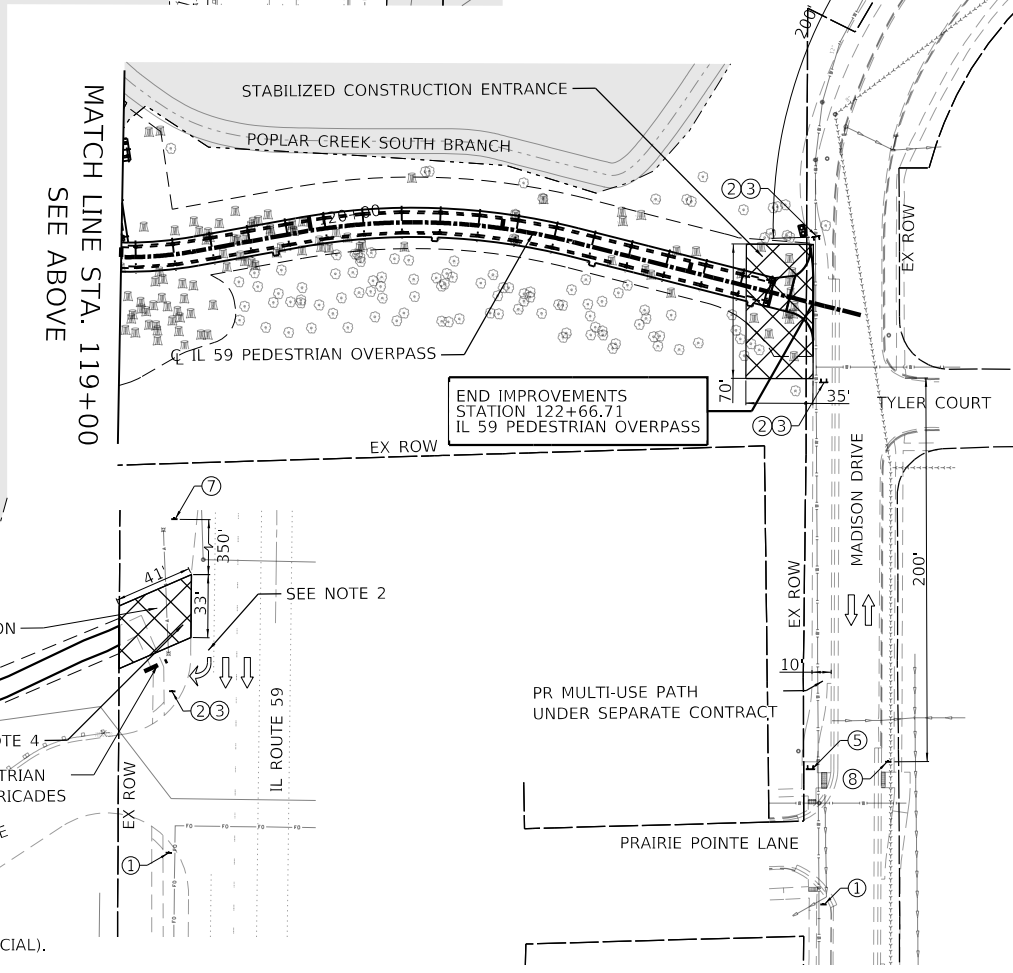
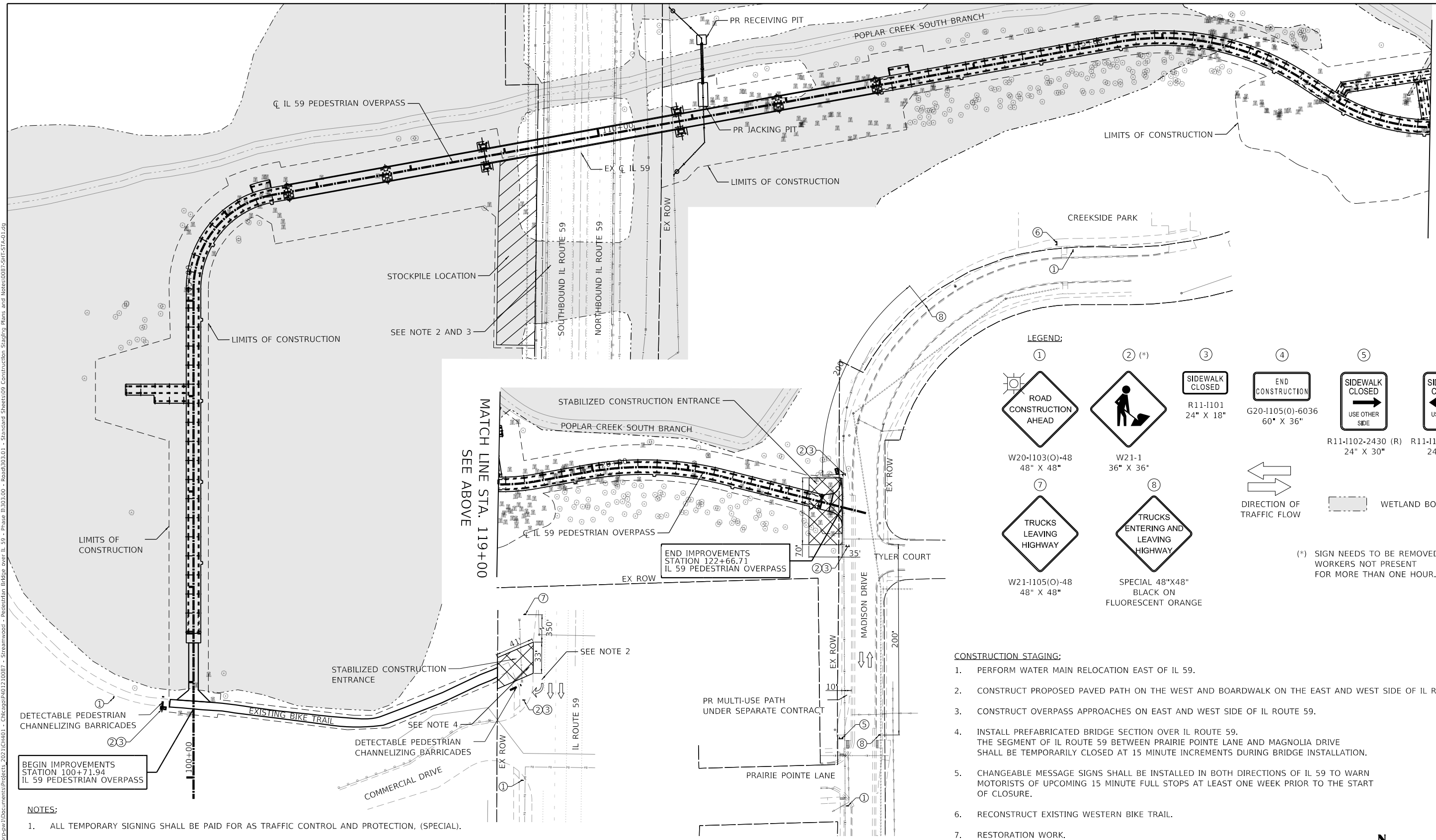


**LEGEND**  
 WETLAND BOUNDARY



<b>TRANSYSTEMS</b>	USER NAME = lmnainggolan	DESIGNED - LMN	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 59 PEDESTRIAN OVERPASS</b>			F.A.U. RTE. = 338	SECTION = 21-00067-00-BR	COUNTY = COOK	TOTAL SHEETS = 96	SHEET NO. = 20	
	PLOT SCALE = 40.0000' / in.	CHECKED - WBL	REVISED -		<b>PLAN AND PROFILE, SIGNING PLAN, AND WATER MAIN RELOCATION</b>			CONTRACT NO. 61167					
	PLOT DATE = 11/3/2023	DATE = 09/30/23	REVISED -		SCALE: 1"=20'			SHEET 5	OF 5 SHEETS	STA. 117+50	TO STA. 122+92.29	ILLINOIS FED. AID PROJECT	

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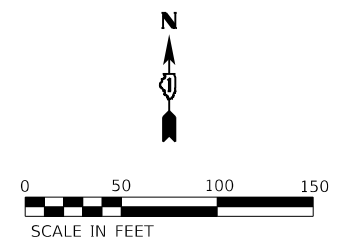
①	② (*)	③	④	⑤	⑥
W20-1103(O)-48 48" X 48"	W21-1 36" X 36"	R11-1101 24" X 18"	G20-1105(O)-6036 60" X 36"	R11-1102-2430 (R) 24" X 30"	R11-1102-2430 (L) 24" X 30"
⑦	⑧				
W21-1105(O)-48 48" X 48"	SPECIAL 48"X48" BLACK ON FLUORESCENT ORANGE				

DIRECTION OF TRAFFIC FLOW  
 WETLAND BOUNDARY

(\*) SIGN NEEDS TO BE REMOVED WHEN WORKERS NOT PRESENT FOR MORE THAN ONE HOUR.

- CONSTRUCTION STAGING:**
- PERFORM WATER MAIN RELOCATION EAST OF IL 59.
  - CONSTRUCT PROPOSED PAVED PATH ON THE WEST AND BOARDWALK ON THE EAST AND WEST SIDE OF IL ROUTE 59.
  - CONSTRUCT OVERPASS APPROACHES ON EAST AND WEST SIDE OF IL ROUTE 59.
  - INSTALL PREFABRICATED BRIDGE SECTION OVER IL ROUTE 59. THE SEGMENT OF IL ROUTE 59 BETWEEN PRAIRIE POINT LANE AND MAGNOLIA DRIVE SHALL BE TEMPORARILY CLOSED AT 15 MINUTE INCREMENTS DURING BRIDGE INSTALLATION.
  - CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED IN BOTH DIRECTIONS OF IL 59 TO WARN MOTORISTS OF UPCOMING 15 MINUTE FULL STOPS AT LEAST ONE WEEK PRIOR TO THE START OF CLOSURE.
  - RECONSTRUCT EXISTING WESTERN BIKE TRAIL.
  - RESTORATION WORK.
  - OPEN NEW OVERPASS.

- NOTES:**
- ALL TEMPORARY SIGNING SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
  - ACCESS TO CONSTRUCTION WORK ZONE FROM IL ROUTE 59 IS PROHIBITED WITHOUT IDOT PERMISSION. ACCESS TO THE WEST OF IL ROUTE 59 CAN ONLY BE MADE FROM THE SOUTHBOUND RIGHT TURN LANE NORTH OF PRAIRIE POINT LANE, AS PERMITTED BY IDOT. ACCESS TO THE EAST OF IL ROUTE 59 SHALL BE MADE AT A POINT NEAR MAGNOLIA DRIVE, AS PERMITTED BY IDOT, TO ALLOW CONSTRUCTION OF THE RELOCATED WATER MAIN.
  - REFER TO IDOT HIGHWAY STANDARDS 701426-09 AND 701606-10 FOR WORKZONE TRAFFIC CONTROL DURING MATERIAL DELIVERY FROM IL ROUTE 59 BRIDGE.
  - REFER TO IDOT HIGHWAY STANDARD 701101-05 FOR OFF ROAD OPERATIONS AT CONSTRUCTION ACCESS POINT.
  - CONTRACTOR SHALL AVOID DRIVING OVER AND/OR DAMAGING THE EXISTING ADA RAMP.



MATCH LINE STA. 119+00  
 SEE BELOW



USER NAME = lmnainggolan	DESIGNED - WBL	REVISED -
DRAWN - LMN	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - CEC	REVISED -
PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

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

**IL 59 PEDESTRIAN OVERPASS**  
**CONSTRUCTION STAGING PLAN AND NOTES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	21
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

**EROSION AND SEDIMENTATION CONTROL NOTES**

ALL CONSTRUCTION ACTIVITIES AND WATER QUALITY STANDARDS SHALL BE IN ACCORDANCE WITH THE IEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), IEPA SECTION 401 WATER QUALITY CONDITIONS, SOIL AND WATER CONSERVATION DISTRICT (SWCD), SECTION 280 AND 282 OF THE STANDARD SPECIFICATIONS, IDOT CONSTRUCTION MEMORANDUM NO. 06-60, AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP). SEE IEPA 401 WATER QUALITY CONDITIONS AND SWPPP IN THE SPECIAL PROVISIONS.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.

SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

CONSTRUCTION LIMITS SHALL BE MINIMIZED TO KEEP SOIL DISTURBANCE TO A MINIMUM LEAVING AS MUCH EXISTING VEGETATION IN PLACE AS POSSIBLE. DIVERT "CLEAR" WATER FLOWING THROUGH THE CONSTRUCTION SITE AWAY FROM DISTURBED AREAS. INTERCEPT AND CONTAIN SEDIMENT CLOSE TO ITS SOURCE. ALL PROJECT-RELATED SEDIMENT SHALL BE RETAINED ON THE PROJECT SITE. NO RUNOFF FLOW FROM DISTURBED AREAS SHALL LEAVE THE SITE WITHOUT BEING TREATED.

ALL DISTURBED AREAS, EXISTING EROSION CONTROL MEASURES, VEHICLE ACCESS SITES AND ALL OTHER AREAS SUBJECT TO EROSION SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH ONE-HALF INCH OR GREATER RAINFALL OR EQUIVALENT SNOWFALL.

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.

THE CONTRACTOR SHALL COMPLETE PERMANENT EROSION CONTROL MEASURES AS SOON AS PRACTICAL AFTER THE COMPLETION OF GRADING. TEMPORARY MEASURES SHALL BE INSTALLED AND MAINTAINED UNTIL PERMANENT MEASURES ARE ESTABLISHED.

A QUANTITY OF TEMPORARY EROSION CONTROL SEEDING HAS BEEN PROVIDED TO REDUCE EROSION OF ALL EXPOSED EARTH SLOPES THAT ARE NOT READY FOR PERMANENT STABILIZATION. AREAS THAT REMAIN DENUDE FOR MORE THAN 14 DAYS, AREAS THAT WILL BE RE-DISTRIBUTED, AND STOCKPILES. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL APPLY TEMPORARY EROSION CONTROL SEEDING TO ALL ERODIBLE BARE EARTH AREAS WITHIN THE CONTRACT LIMITS EACH WEEK REGARDLESS OF WEATHER CONDITIONS OR PROGRESS OF THE WORK, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ERODIBLE EMBANKMENT AND EXCAVATION AREAS WHERE WORK IS IN PROGRESS SHALL BE INCLUDED ON THE AREAS TO BE SEEDED.

ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.

PROPERTIES AND CHANNELS ADJOINING THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.

A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. THE WORK DESCRIBED IN THIS PARAGRAPH SHALL BE PAID FOR AS STABILIZED CONSTRUCTION ENTRANCE.

DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS.

IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS THEN EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED. STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES, OR ISOLATED WATERS OF COOK COUNTY.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN A WORKING CONDITION.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT, AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTIONS.

CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY WITHIN THE PROJECT LIMITS AT LOCATIONS AS DESIGNATED BY THE ENGINEER. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OF OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

THE CONTRACTOR SHALL PROVIDE WATER-TIGHT TANKS OR BARRELS, OR CONSTRUCT A SUMP SEALED WITH PLASTIC SHEETS TO BE USED TO DISPOSE OF CHEMICAL POLLUTANT, SUCH AS DRAINED LUBRICATING OR TRANSMISSION FLUIDS, GREASE, SOAPS, CONCRETE MIXER WASH WATER, ASPHALT, ETC., PRODUCED AS A BY-PRODUCT OF THE CONSTRUCTION ACTIVITIES. AT THE COMPLETION OF THE CONSTRUCTION WORK, SUMPS SHALL BE REMOVED AND THE AREA RESTORED TO ITS ORIGINAL CONDITION AS SPECIFIED IN SECTION 8 OF THE ILLINOIS URBAN MANUAL. SUMP REMOVAL SHALL BE CONDUCTED WITHOUT CAUSING POLLUTION.

SANITARY FACILITIES SUCH AS CHEMICAL TOILETS OR SEPTIC TANKS SHALL NOT BE LOCATED ADJACENT TO LIVE STREAMS, WELLS, OR SPRINGS. THEY SHALL BE LOCATED AT A DISTANCE SUFFICIENT TO PREVENT CONTAMINATION OF ANY WATER SOURCE. AT THE COMPLETION OF CONSTRUCTION ACTIVITIES, FACILITIES SHALL BE DISPOSED OF WITHOUT CAUSING POLLUTION.

ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTRIBUTED SOUL AREAS SHALL BE PERMANENTLY STABILIZED.

THE CONTRACTOR'S OPERATIONS SHALL NOT DISTURB THE SOUTH BRANCH OF POPLAR CREEK.

THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, WATERS OF THE US., OR ISOLATED WATERS OF COOK COUNTY. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.

ALL HEAVY EQUIPMENT SHALL BE POWER-WASHED TO REMOVE ANY INVASIVE SEED PRESENT ON EQUIPMENT PRIOR TO ENTERING THE CONSTRUCTION SITE.

THE EXCAVATED MATERIAL BEING TRANSPORTED OFF SITE, SPECIFICALLY FROM THE WATERWAYS, SHALL BE PREVENTED FROM LEAKING OR SPILLING ONTO THE ROADWAYS BY DRYING THE MATERIAL BEFORE TRANSPORT, PROVIDING A LINER FOR THE TRUCKS, OR OTHER APPROVED METHODS.

**EROSION AND SEDIMENTATION CONTROL SEQUENCES**

I. THE FOLLOWING EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO CLEARING:

SILT FENCES

ERECT ALL SILT FENCES AS SHOWN ON THE EROSION CONTROL PLANS TO CONTROL SEDIMENT FROM THE RUNOFF LEAVING THE DISTURBED AREAS.

TREE PROTECTION

INSTALL TREE PROTECTION TO THE TREES SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.

II. THE FOLLOWING EROSION CONTROL MEASURE IS TO TAKE PLACE PRIOR TO GRADING:

TEMPORARY DITCH CHECK

INSTALL TEMPORARY AND PERMANENT DITCH CHECKS AT PROPOSED COMPENSATORY STORAGE LOCATION TO CONTROL RUNOFF VELOCITY AS SHOWN ON THE EROSION CONTROL PLAN OR AS DIRECTED BY ENGINEER.

III. WITHIN 7 DAYS OF THE COMPLETION OF CLEARING OR GRADING OR WITHIN 14 DAYS OF LAST DISTURBANCE, THE FOLLOWING MEASURE SHALL BE ENFORCED:

TEMPORARY STABILIZATION

PROVIDE TEMPORARY STABILIZATION OVER AREAS THAT CANNOT BE STABILIZED WITH PERMANENT VEGETATIVE MEASURES FOR 14 DAYS OR MORE AND CONSEQUENTLY REQUIRE TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKED. THESE AREAS SHALL BE TREATED WITH PERMANENT VEGETATIVE COVER AT SOME FUTURE DATE.

PERMANENT EROSION CONTROL

PROVIDE PERMANENT VEGETATION AND INSTALL ALL THE PERMANENT EROSION CONTROL MEASURES AS SHOWN ON THE PLANS OR DIRECTED BY ENGINEER, BEFORE REMOVAL OF THE TEMPORARY EROSION CONTROL MEASURES.

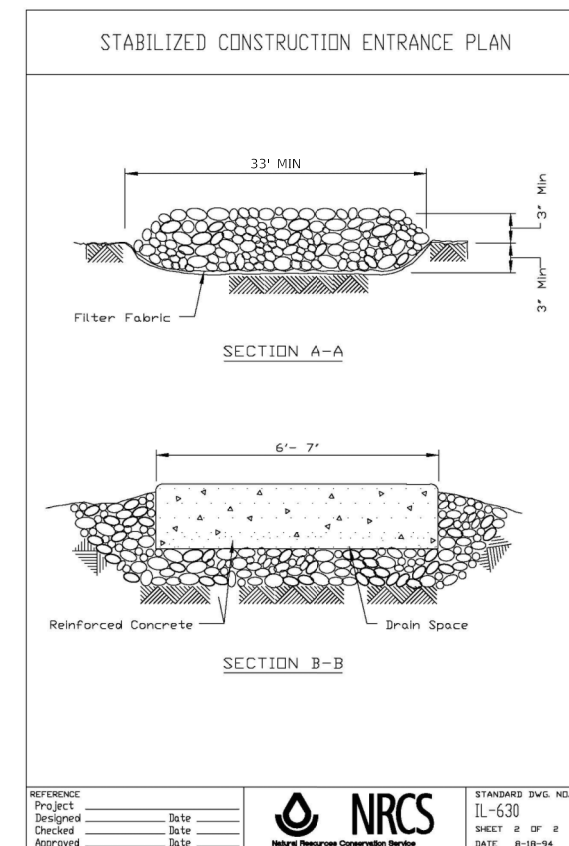
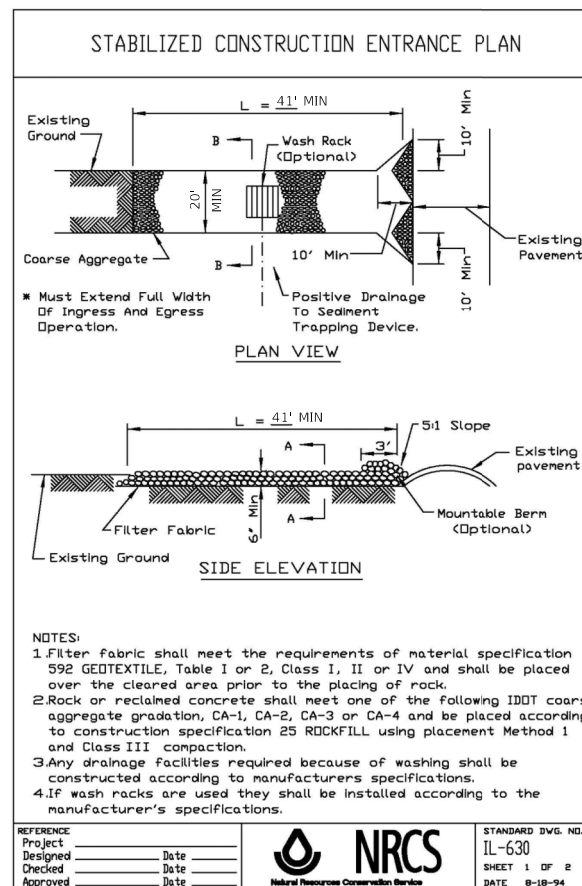
IV. THE FOLLOWING MEASURES SHALL BE PROVIDED DURING THE CONTRACT ON AN AS NEEDED BASIS:

DUST CONTROL WATERING

DUST CONTROL WATERING SHALL BE APPLIED TO CONTROL THE DUST RESULTING FROM THE CONSTRUCTION OPERATION.

STREET CLEANING AND SWEEPING

STREET CLEANING AND SWEEPING SHALL BE PERFORMED ON EACH WORKDAYS, AS REQUIRED AND DIRECTED AND APPROVED BY THE ENGINEER. COST FOR THIS WORK WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.



REFERENCE Project _____ Date _____		STANDARD DWG. NO. IL-630
Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 8-18-94
Approved _____ Date _____		

REFERENCE Project _____ Date _____		STANDARD DWG. NO. IL-630
Designed _____ Date _____		SHEET 2 OF 2
Checked _____ Date _____		DATE 8-18-94
Approved _____ Date _____		

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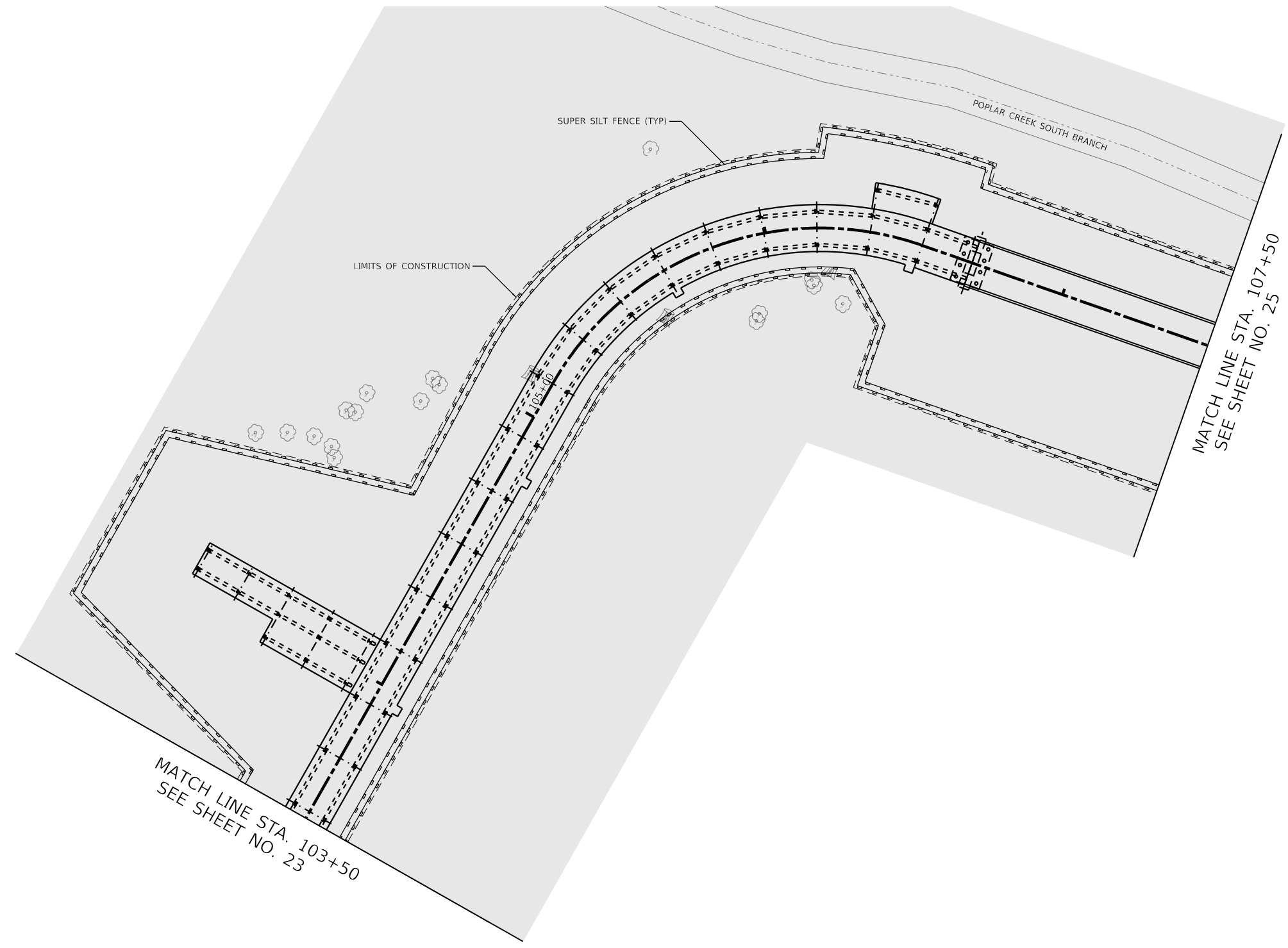
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
EROSION AND SEDIMENT CONTROL GENERAL NOTES**

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	22
CONTRACT NO. 61J67				
ILLINOIS		FED. AID PROJECT		





**LEGEND**

- PERIMETER EROSION BARRIER
- WETLAND BOUNDARY



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**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1"=20'    SHEET 3 OF 6 SHEETS    STA. 103+50 TO STA. 107+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



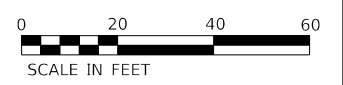
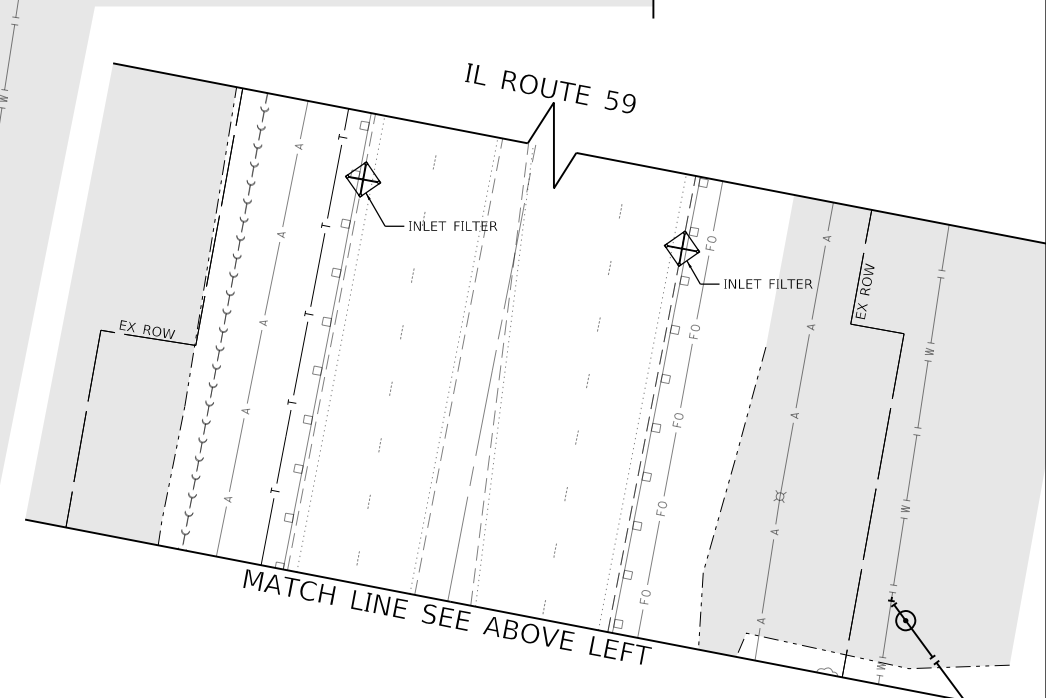
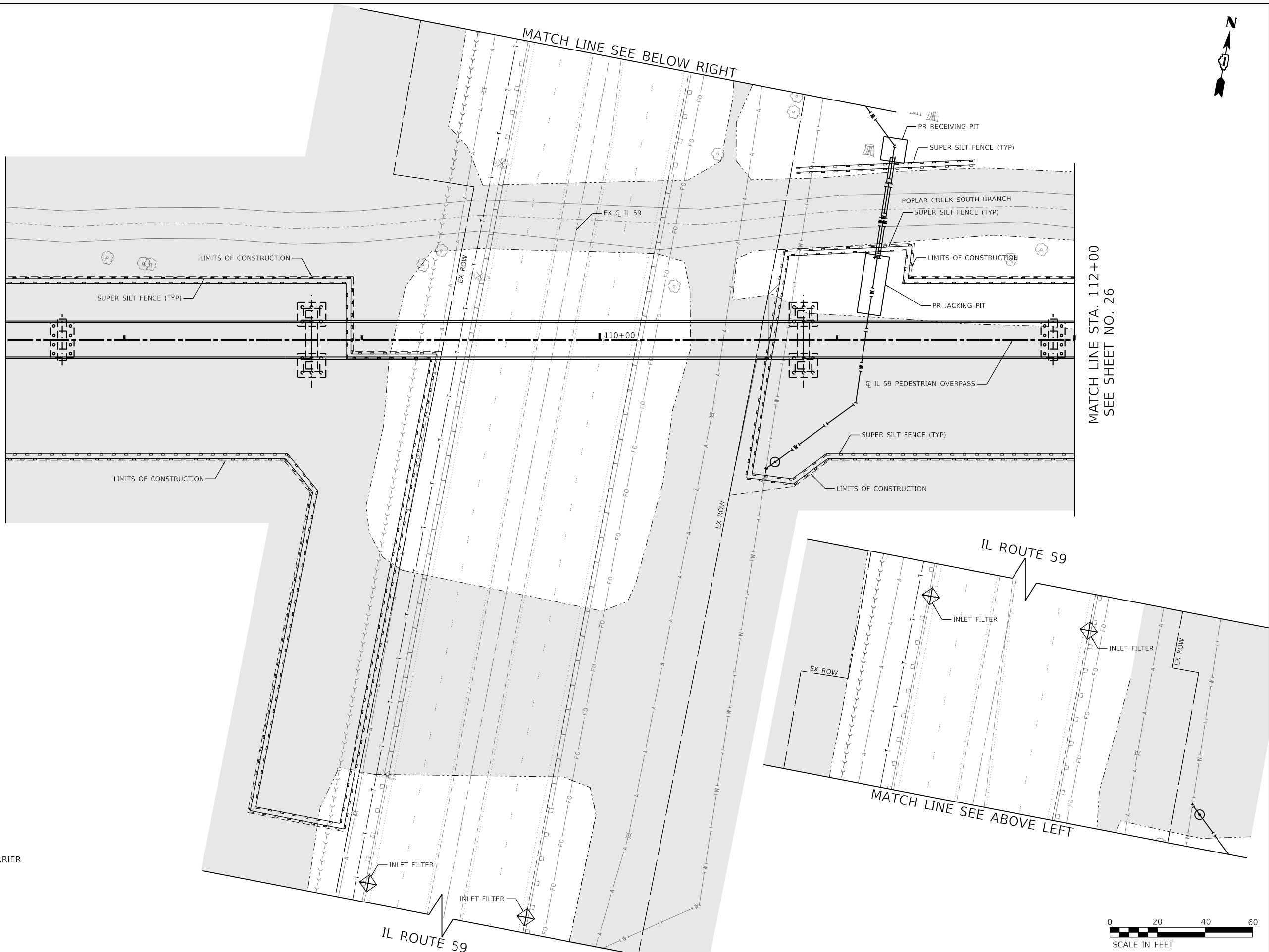


MATCH LINE STA. 107+50  
SEE SHEET NO. 24

MATCH LINE STA. 112+00  
SEE SHEET NO. 26

**LEGEND**

- PERIMETER EROSION BARRIER
- INLET FILTER
- WETLAND BOUNDARY



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PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
EROSION AND SEDIMENT CONTROL PLANS**

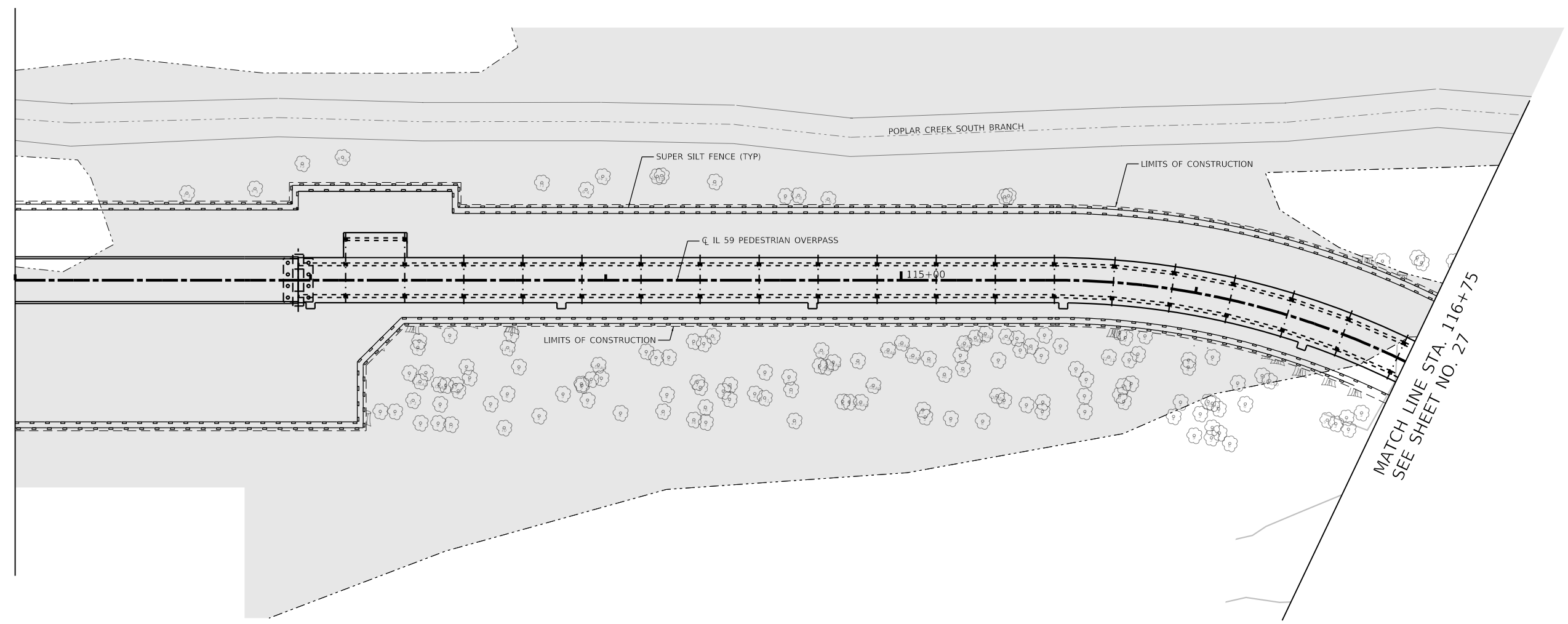
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				

ILLINOIS FED. AID PROJECT



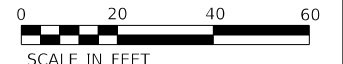
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MATCH LINE STA. 112+00



MATCH LINE STA. 116+75  
SEE SHEET NO. 27

**LEGEND**

- PERIMETER EROSION BARRIER
- WETLAND BOUNDARY



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

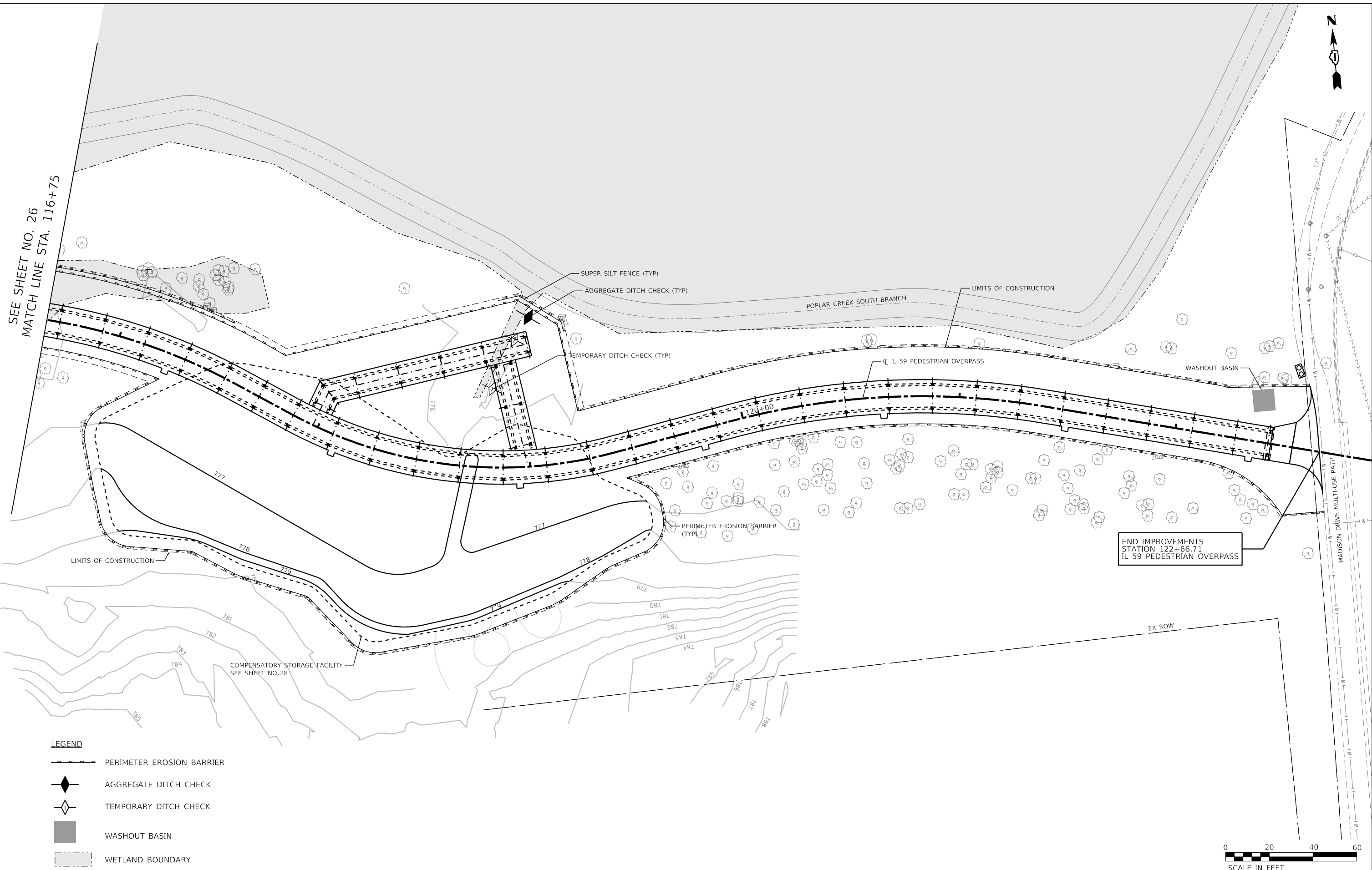
**IL 59 PEDESTRIAN OVERPASS  
EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1"=20'    SHEET 5 OF 6 SHEETS    STA. 112+00 TO STA. 116+75

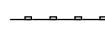

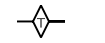


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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SEE SHEET NO. 26  
MATCH LINE STA. 116+75



**LEGEND**

-  PERIMETER EROSION BARRIER
-  AGGREGATE DITCH CHECK
-  TEMPORARY DITCH CHECK
-  WASHOUT BASIN
-  WETLAND BOUNDARY



**TRANSYSTEMS**

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PLOT SCALE = 40.0000 ' / in.	CHECKED - WBL	REVISED -
PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

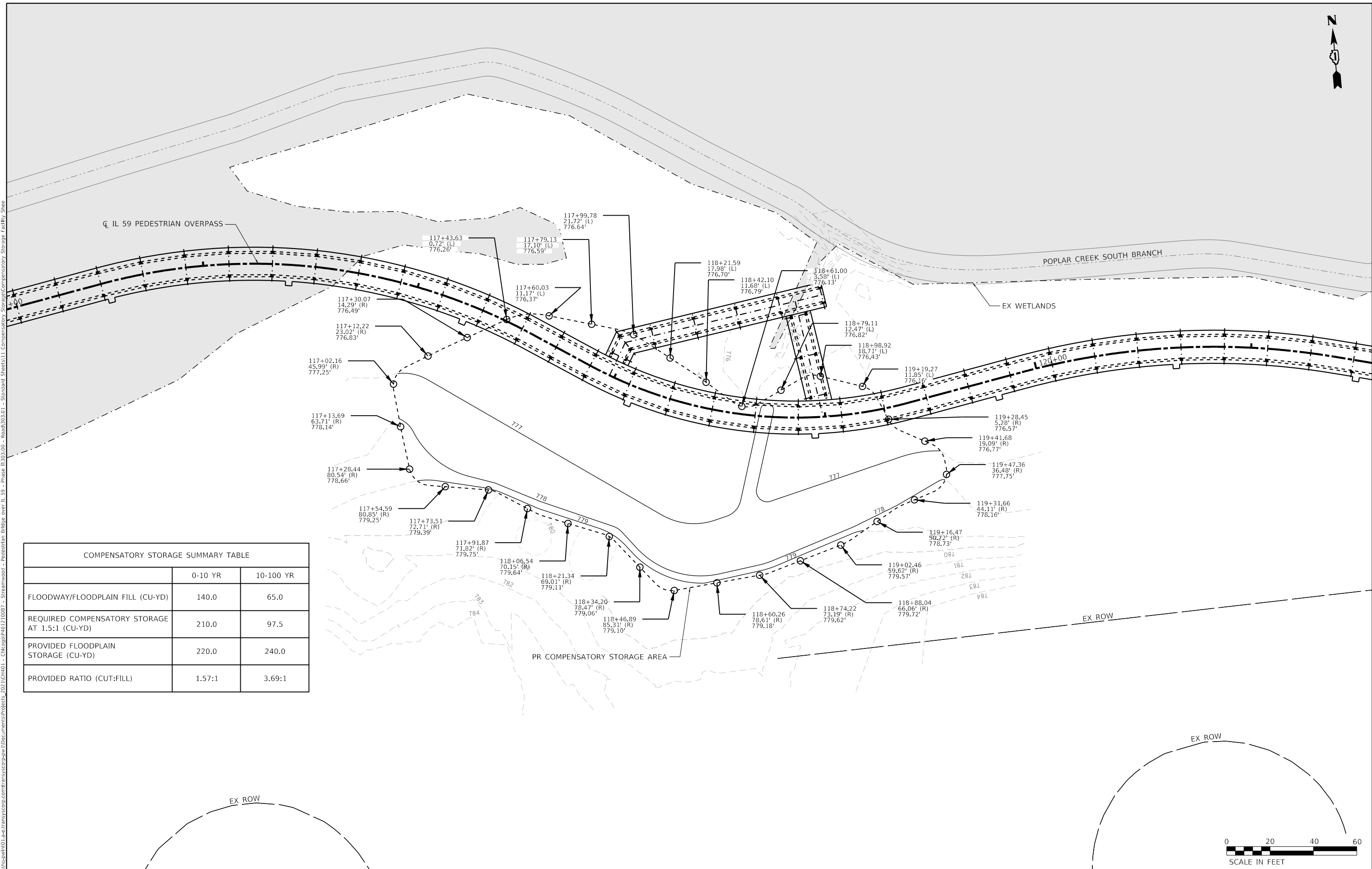
**IL 59 PEDESTRIAN OVERPASS  
EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1"=20' SHEET 6 OF 6 SHEETS STA. 116+75 TO STA. 122+66.71

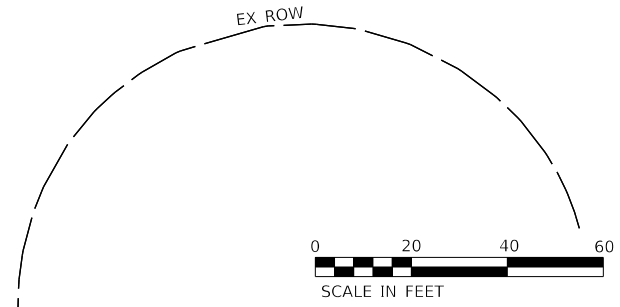
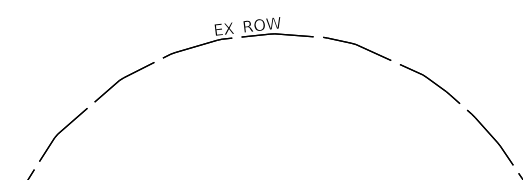
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	27
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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COMPENSATORY STORAGE SUMMARY TABLE		
	0-10 YR	10-100 YR
FLOODWAY/FLOODPLAIN FILL (CU-YD)	140.0	65.0
REQUIRED COMPENSATORY STORAGE AT 1.5:1 (CU-YD)	210.0	97.5
PROVIDED FLOODPLAIN STORAGE (CU-YD)	220.0	240.0
PROVIDED RATIO (CUT:FILL)	1.57:1	3.69:1



USER NAME = lmnainggolan	DESIGNED - XXXX	REVISED -
	DRAWN - XXXX	REVISED -
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PLOT DATE = 11/3/2023	DATE - XXXX	REVISED -

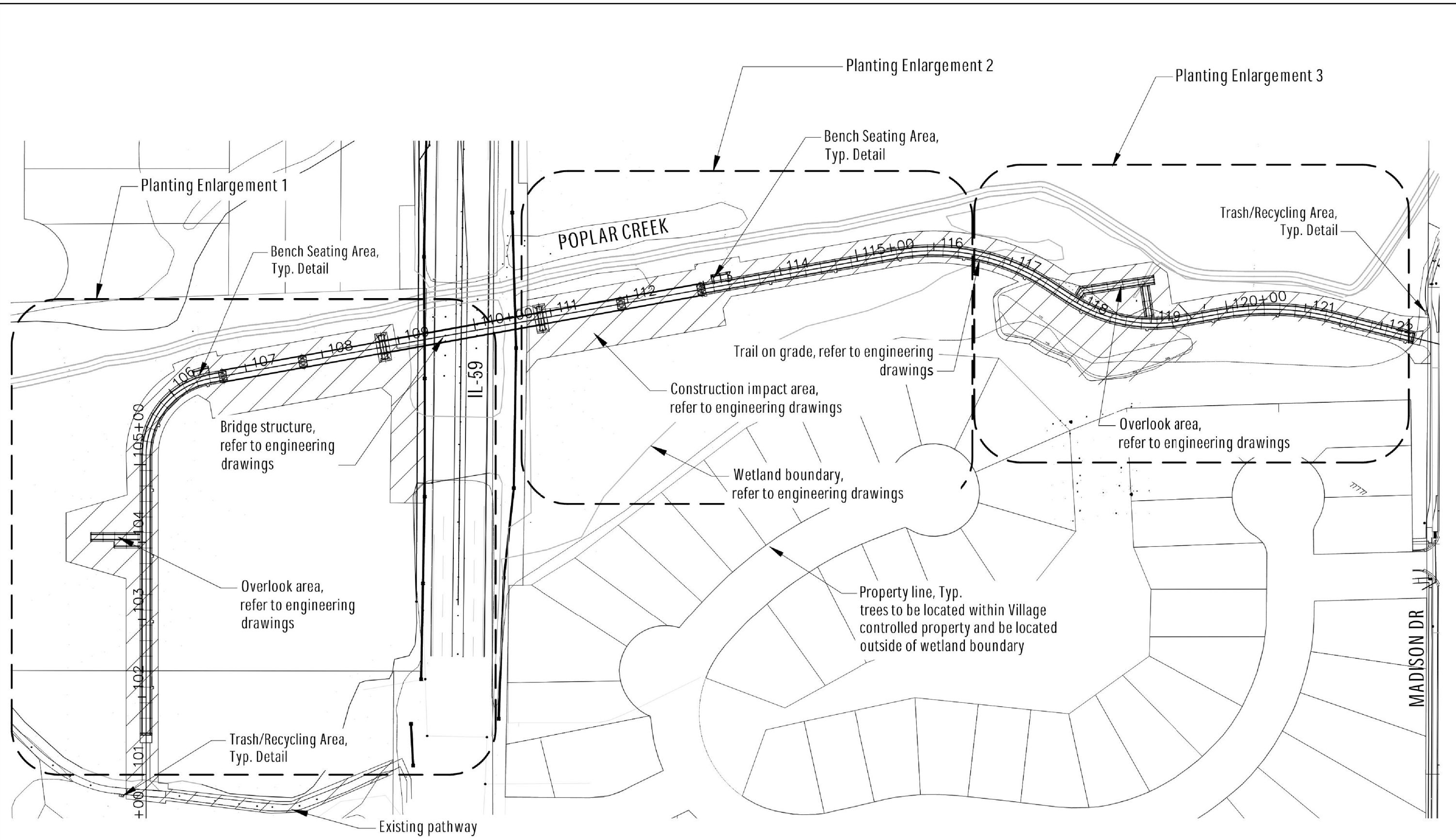
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS**  
**COMPENSATORY STORAGE FACILITY PLAN**

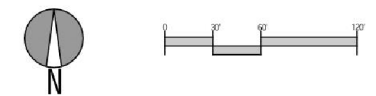
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	28
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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**1 OVERALL LANDSCAPE PLAN**



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DRAWN - GE	REVISED -	
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PLOT DATE = 11/3/2023	DATE - 10/02/23	REVISED -

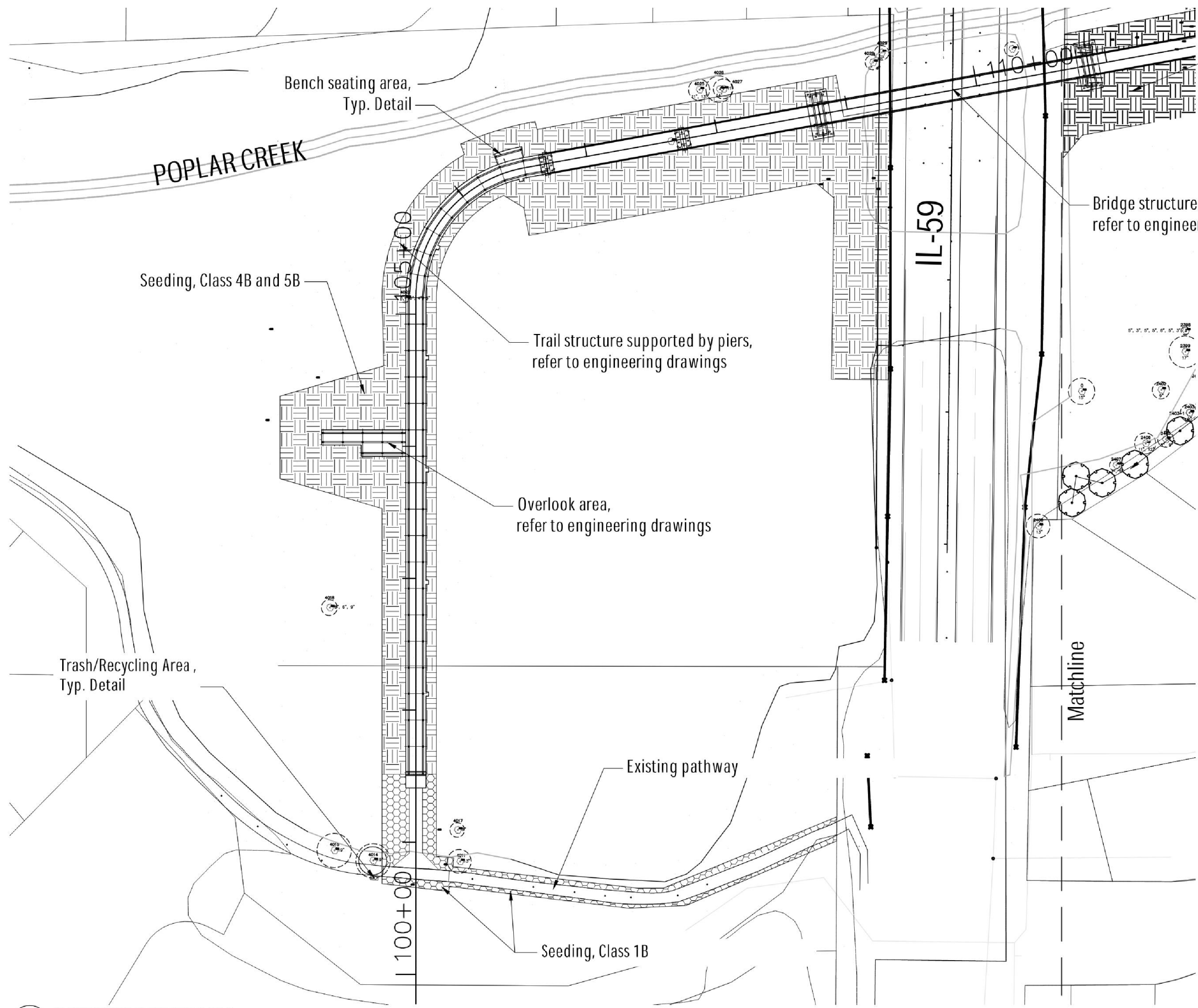
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 OVERALL LANDSCAPE PLAN**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	29
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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Seeding, Class 4B and 5B

Bench seating area,  
Typ. Detail

Seeding, Class 4B and 5B

Trail structure supported by piers,  
refer to engineering drawings

Bridge structure,  
refer to engineering drawings

Overlook area,  
refer to engineering drawings

Refer to sheet L-102 for tree  
planting information






Trash/Recycling Area,  
Typ. Detail

Existing pathway

Matchline

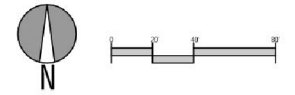
Seeding, Class 1B

**LEGEND**

-  Existing tree to remain
-  Existing tree to receive tree protection
-  New tree
-  Seeding, Class 1B
-  Seeding, Class 4B and 5B

**Note:**  
Refer to Engineering for tree removals

New tree planting species and final locations shall be coordinated with Village Staff prior to installation



**1** PLANTING ENLARGEMENT PLAN 1



USER NAME = Imnainggolan	DESIGNED - GE	REVISED -
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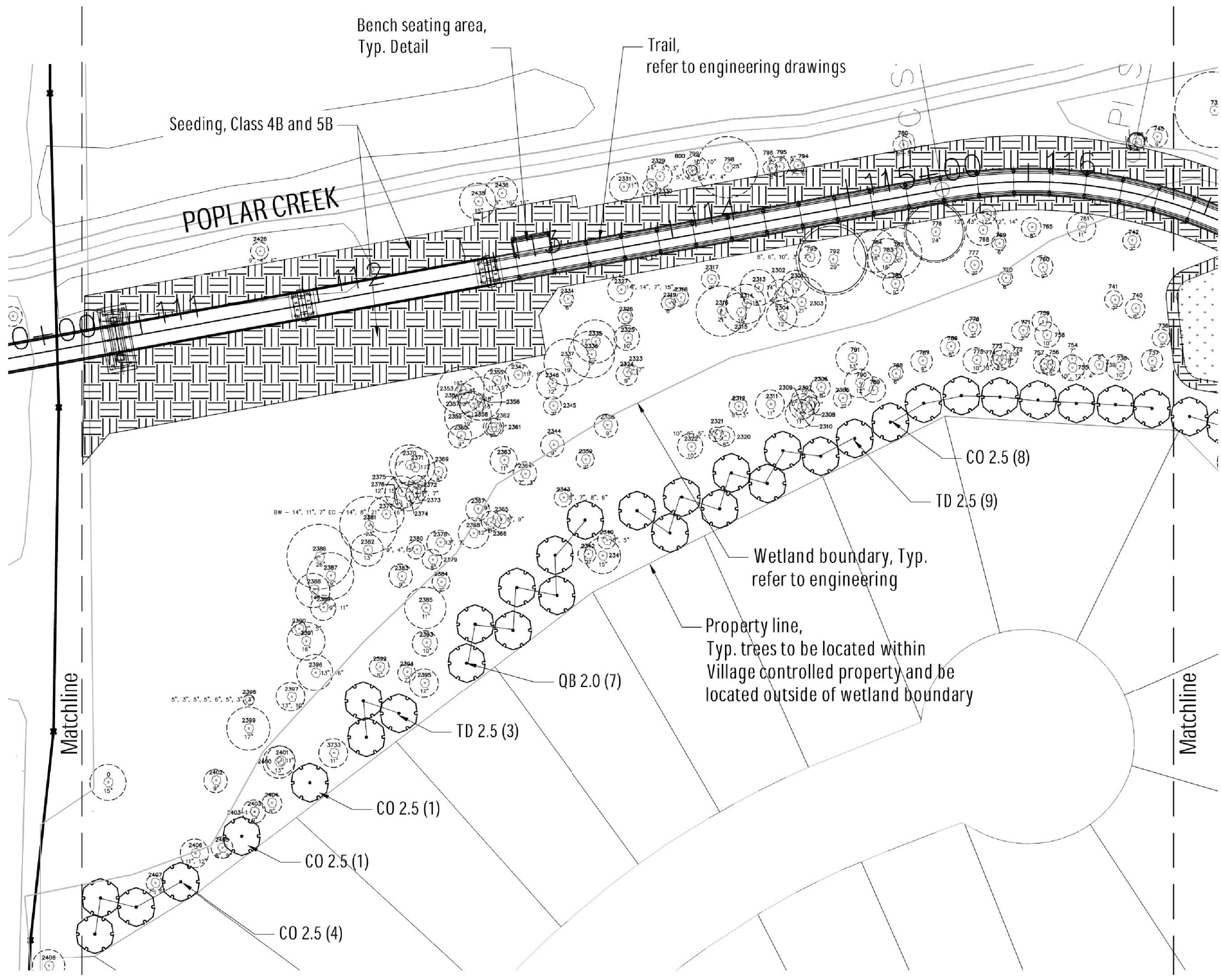
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
PLANTING ENLARGEMENT PLAN 1**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	30
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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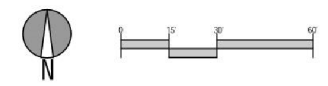
### LEGEND

- Existing tree to remain
- Existing tree to receive tree protection
- New tree
- Seeding, Class 4B and 5B

Note:  
 Refer to Engineering for tree removals

New tree planting species and final locations shall be coordinated with Village staff prior to installation.

**1** PLANTING ENLARGEMENT PLAN 2



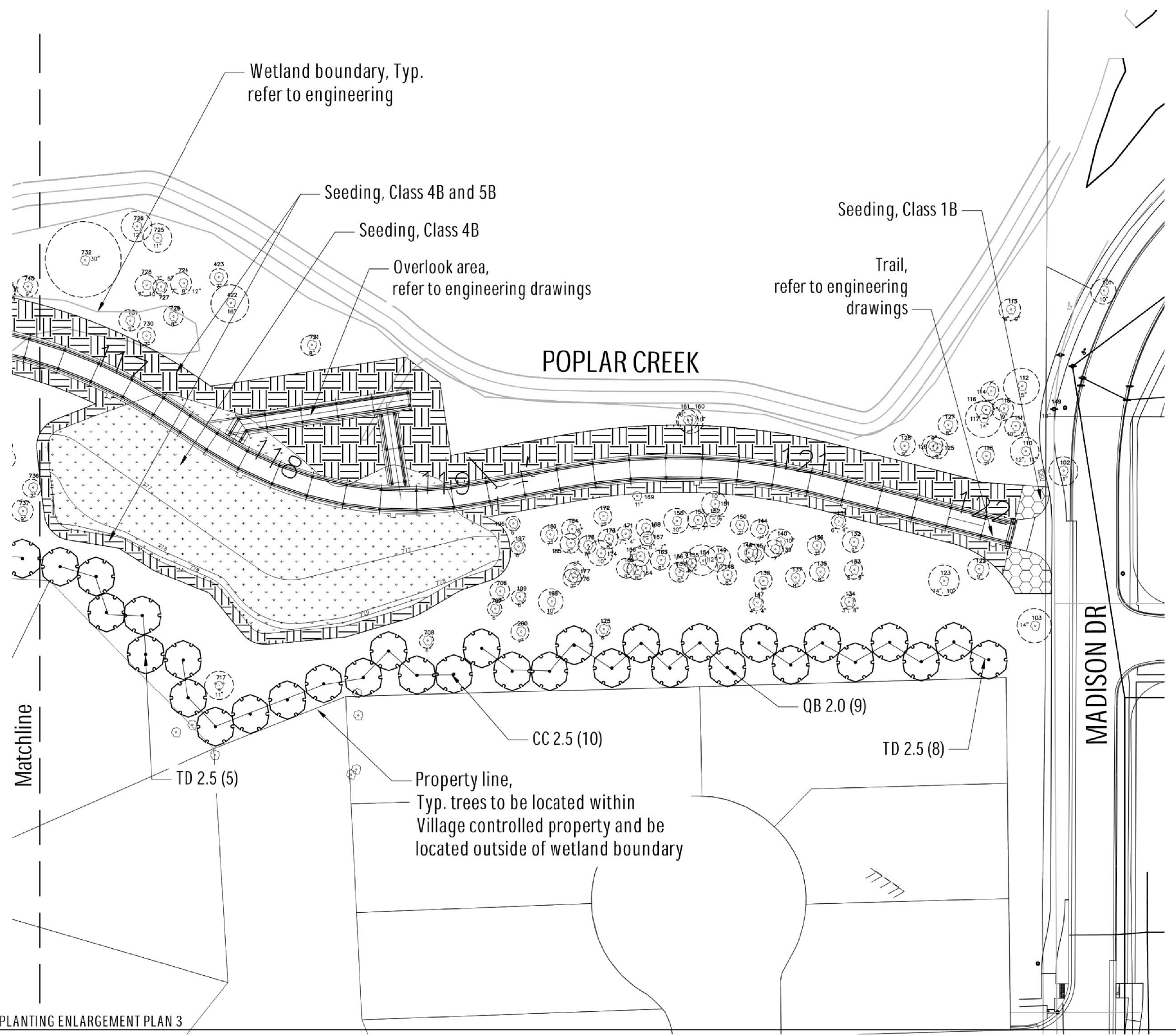
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	DATE - 10/02/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL 59 PEDESTRIAN OVERPASS          PLANTING ENLARGEMENT PLAN 2</b>	
SCALE:	SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	31
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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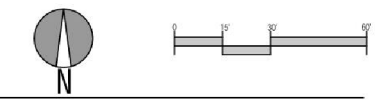


**LEGEND**

- Existing tree to remain
- Existing tree to receive tree protection
- New tree
- Seeding, Class 1B
- Seeding, Class 4B
- Seeding, Class 4B and 5B

**Note:**  
 Refer to Engineering for tree removals

New tree planting species and final locations shall be coordinated with Village staff prior to installation.



**1 PLANTING ENLARGEMENT PLAN 3**



USER NAME = Imnainggolan	DESIGNED - GE	REVISED -
DRAWN - GE	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - JM	REVISED -
PLOT DATE = 11/3/2023	DATE - 10/02/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

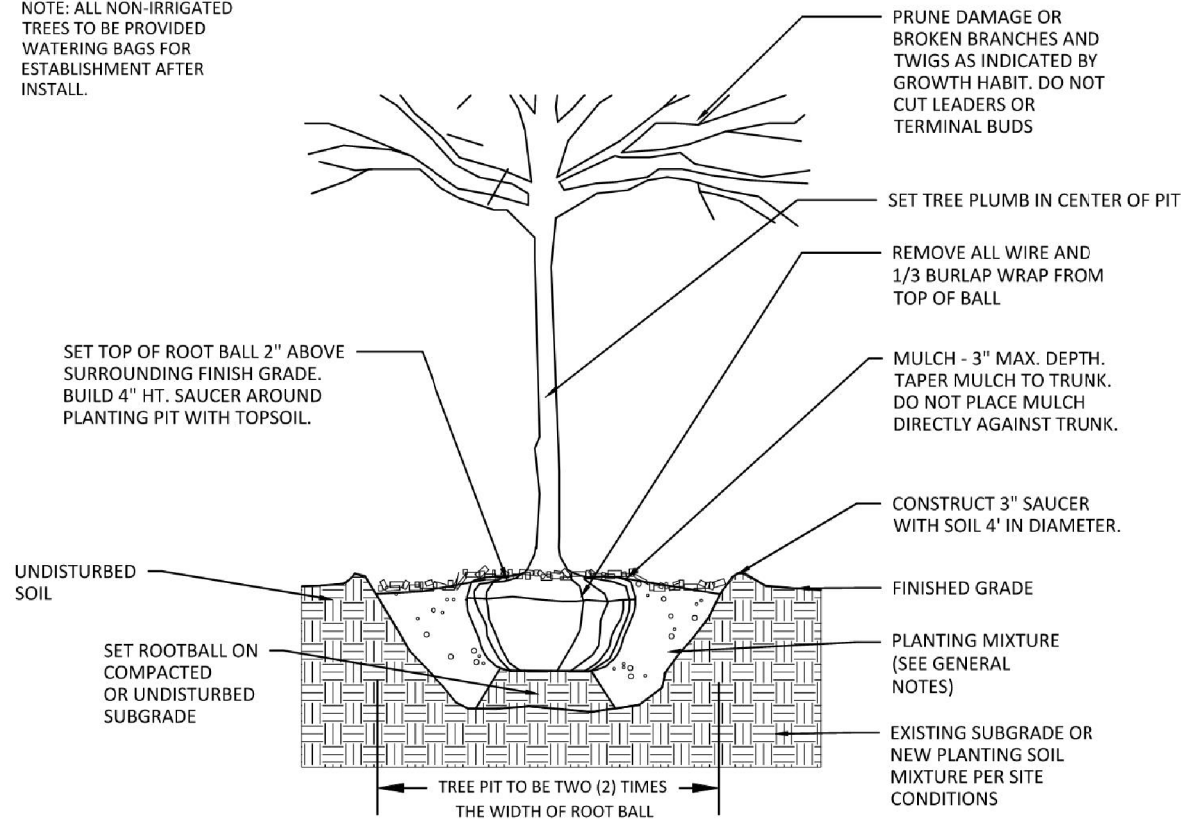
**IL 59 PEDESTRIAN OVERPASS  
 PLANTING ENLARGEMENT PLAN 3**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	32
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



NOTE: ALL NON-IRRIGATED TREES TO BE PROVIDED WATERING BAGS FOR ESTABLISHMENT AFTER INSTALL.



1 TYP. DECIDUOUS TREE PLANTING DETAIL

LANDSCAPE GENERAL NOTES:

1. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL NOTIFY J.U.L.I.E. (811) OR (800) 892.0123 TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES, WHICH MAY AFFECT PROPOSED SITE WORK. CONTRACTOR SHALL NOTIFY THE OWNER/LANDSCAPE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES, OBSTACLES AND/OR PROBLEMS.
2. VERIFICATION OF DIMENSIONS AND GRADES, BOTH EXISTING AND PROPOSED, SHALL BE THE CONTRACTOR'S RESPONSIBILITY PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER/LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
3. ALL SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM STRUCTURES. SURFACE DRAINAGE SHALL BE DIRECTED TO EXISTING CATCH BASINS DESIGNATED FOR THE COLLECTION OF SURFACE RUN-OFF.
4. PLANT MATERIAL SIZES SHOWN ON PLANT SCHEDULE ARE MINIMUM ACCEPTABLE SIZES. ALL PLANT MATERIAL SHALL BE OF SPECIMEN QUALITY. NO 'PARK GRADE' MATERIAL WILL BE ACCEPTED.
5. ALL PLANT MATERIAL SHALL BE OBTAINED FROM AN APPROVED NORTHERN ILLINOIS NURSERY WITH HEAVY CLAY SOILS.
6. ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND APPROVED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE, INC. (ANSI)
7. IF SPECIFIED SPECIES AND/ OR QUALITY OF PLANTS ARE NOT AVAILABLE AT THE TIME OF ORDERING, THE LANDSCAPE ARCHITECT AND/OR VILLAGE, AT HIS/HER DISCRETION, MAY SUBSTITUTE SIMILAR PLANTS WITH THE SAME WHOLESALE VALUE.
8. ALL PLANTS TO BE BALLED IN BURLAP (B&B). ALL NYLON/PLASTIC/BURLAP ROOT WRAPPING MATERIAL AND METAL WIRE BASKETS SHALL BE REMOVED.
9. SOIL TO BE USED FOR THE PLANTING MEDIUM FOR THE PROJECT SHALL BE FERTILE, WELL-DRAINED, OF UNIFORM QUALITY, FREE OF STONES OVER 1" IN DIAMETER, STICKS, OILS, CHEMICALS, PLASTER, CONCRETE AND OTHER DELETERIOUS MATERIAL.
10. ALL LANDSCAPE MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

Plant List

SYMBOL	SPECIES, SIZE	QUANTITY
TD 2.5	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	25
QB 2.0	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	16
CC 2.5	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	10
CO 2.5	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	14

Seeding Mix List

TYPE	AREA
Seeding, Class 1B	5,701 SF
Seeding, Class 4B	124,820 SF
Seeding, Class 5B	108,049 SF

11. ALL LANDSCAPE MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH THE ACCEPTED INDUSTRY'S STANDARD 'BEST MANAGEMENT PRACTICE' TECHNIQUES AS IDENTIFIED BY THE ILLINOIS LANDSCAPE CONTRACTORS ASSOCIATION (ILCA).
12. THE VILLAGE AND/OR LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL IN POOR CONDITION/Form OR NOT INSTALLED ACCORDING TO 'BEST MANAGEMENT PRACTICE' TECHNIQUES.
13. THE LANDSCAPE CONTRACTOR SHALL PREPARE PLANTING BEDS BY ADDING SOIL AMENDMENTS TO TOPSOIL MIX IN THE FOLLOWING QUANTITIES: TOPSOIL MIX FOR TREES SHALL BE THREE (3) PARTS TOPSOIL, ONE (1) PART PEAT, AND ONE (1) PART SAND.
14. ALL WOODY PLANTINGS TO RECEIVE 3" OF SHREDDED HARDWOOD MULCH.
15. CONTRACTOR SHALL WATER PLANTS IMMEDIATELY AFTER PLANTING. FLOODING PLANTS TWICE DURING FIRST TWENTY-FOUR HOURS AFTER PLANTING.
16. ALL ROAD AND WALK SURFACES SHALL BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES.
17. CONTRACTOR SHALL REPAIR IN KIND ANY AREAS DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS.
18. GUARANTEE SPECIFICATIONS ARE AS FOLLOWS: THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A BONDED WRITTEN ONE-YEAR WARRANTY AGREEMENT BEGINNING ON THE FIRST DAY OF THE OWNER'S POSSESSION. THIS AGREEMENT SHALL PROVIDE FOR THE REPLACEMENT OF DEAD OR DYING PLANT MATERIAL. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A TYPEWRITTEN LIST OF SPECIFIC MAINTENANCE INSTRUCTIONS FOR EACH TYPE OF PLANT INSTALLED WITH THE WRITTEN AGREEMENT AND BOND.
19. EROSION CONTROL BLANKETS REQUIRED ON ALL SLOPES GREATER THAN 3:1.
20. CONTRACTOR SHALL COORDINATE TREE REMOVALS, NEW TREE SPECIES AND NEW TREE INSTALLATION LOCATIONS WITH THE VILLAGE PRIOR TO PURCHASE AND INSTALLATION.

MODEL: Default FILE: \\hpc\mnt01\ba\transys\corp\com\transys\corp\pww\1\Documents\Projects\_2021\CH401 - Chicago P401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase 030300 - Road30300 - Standard Sheets12 - Landscape\Info Data\B210087-SHT-1-SCDET



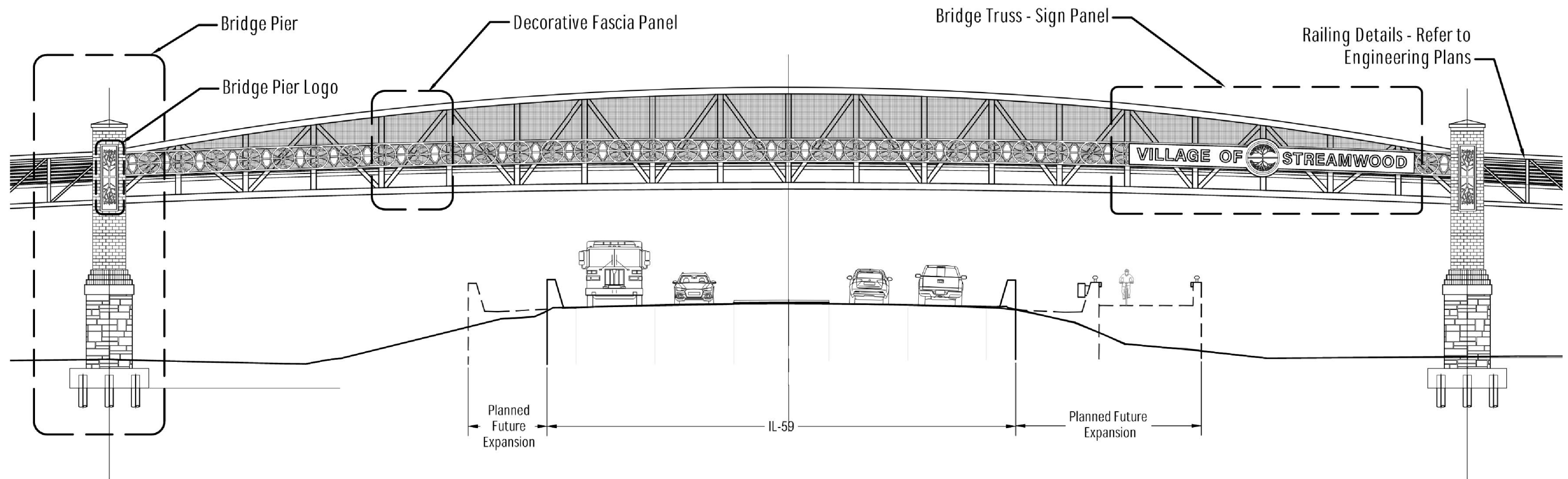
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	DATE - 10/02/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 59 PEDESTRIAN OVERPASS  
PLANTING LIST AND GENERAL NOTES

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	33
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



**1** OVERALL BRIDGE ELEVATION  
 Refer to Engineering Drawings for Bridge Structural, Lighting, and Civil Design Plans



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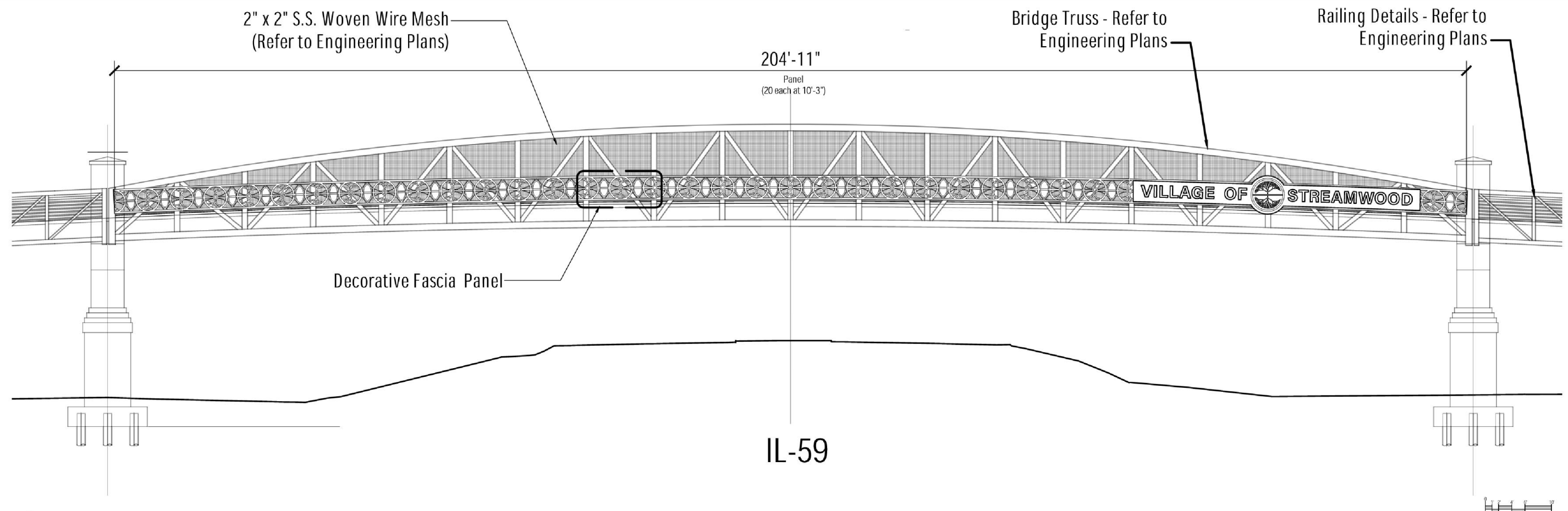
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 OVERALL BRIDGE ELEVATION**

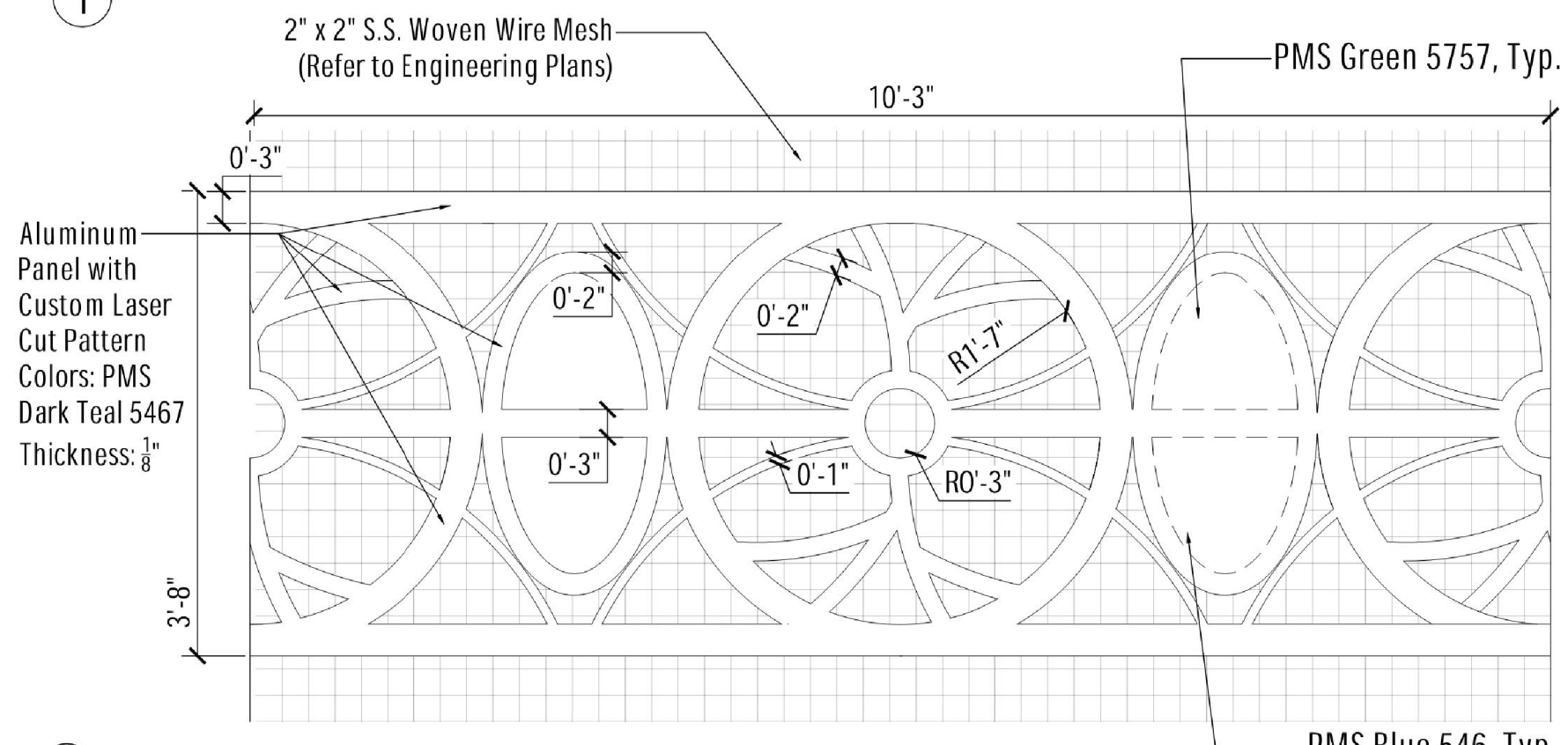
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CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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**1** DECORATIVE FASCIA ELEVATION



**2** DECORATIVE FASCIA DETAIL, TYP.

DECORATIVE FASCIA - MATERIAL SCHEDULE					
ITEM	MATERIAL	FINISH TREATMENT	FACE FEET (FF) PER FASCIA	# OF FASCIA ELEMENTS	TOTAL FACE FEET (FF)
BRIDGE TRUSS - DECORATIVE FASCIA (Occurs at North and South Elevation)	ALUMINUM METAL PANEL	CUSTOM LASER CUT SIGN PANEL WITH COLOR ACCENTS	738	2	1476

Refer to engineering documents for all structural, civil and electrical items. Vector artwork is available for all custom features. Contractor shall provide shop drawings for review and approval. Contractor shall provide (3) color samples each for the specified colors at the decorative fascia for Village review and selection.

Contractor shall provide a mockup of the decorative fascia for Village review and approval. mockup shall be 3'-8" HT x 8'-0" WD. If approved the mockup may become an article of the work.

Structural details and connections by others.



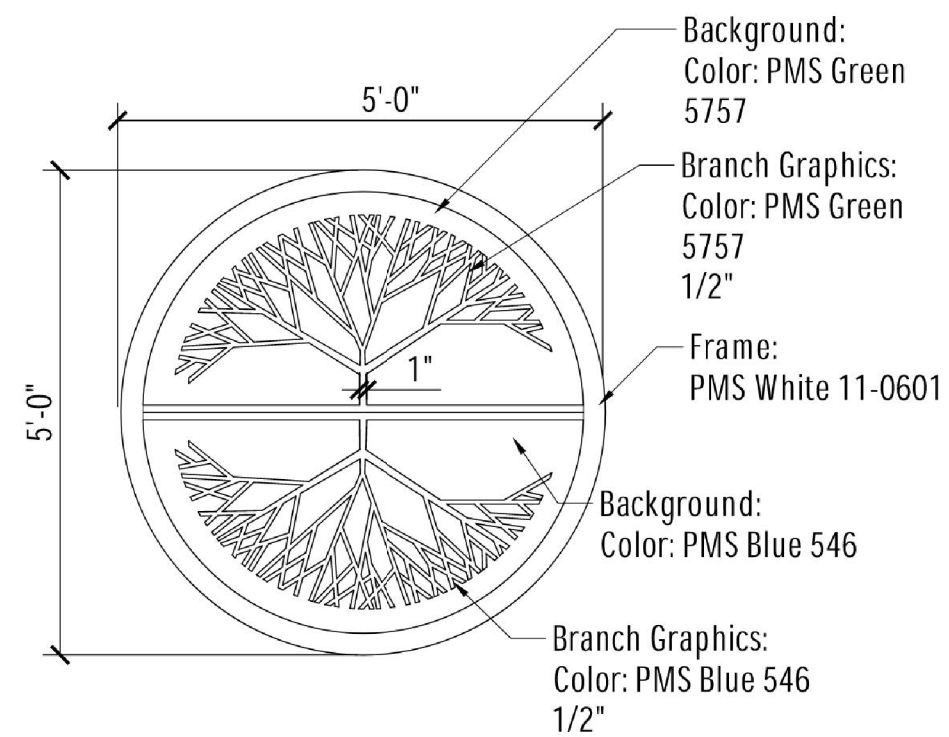
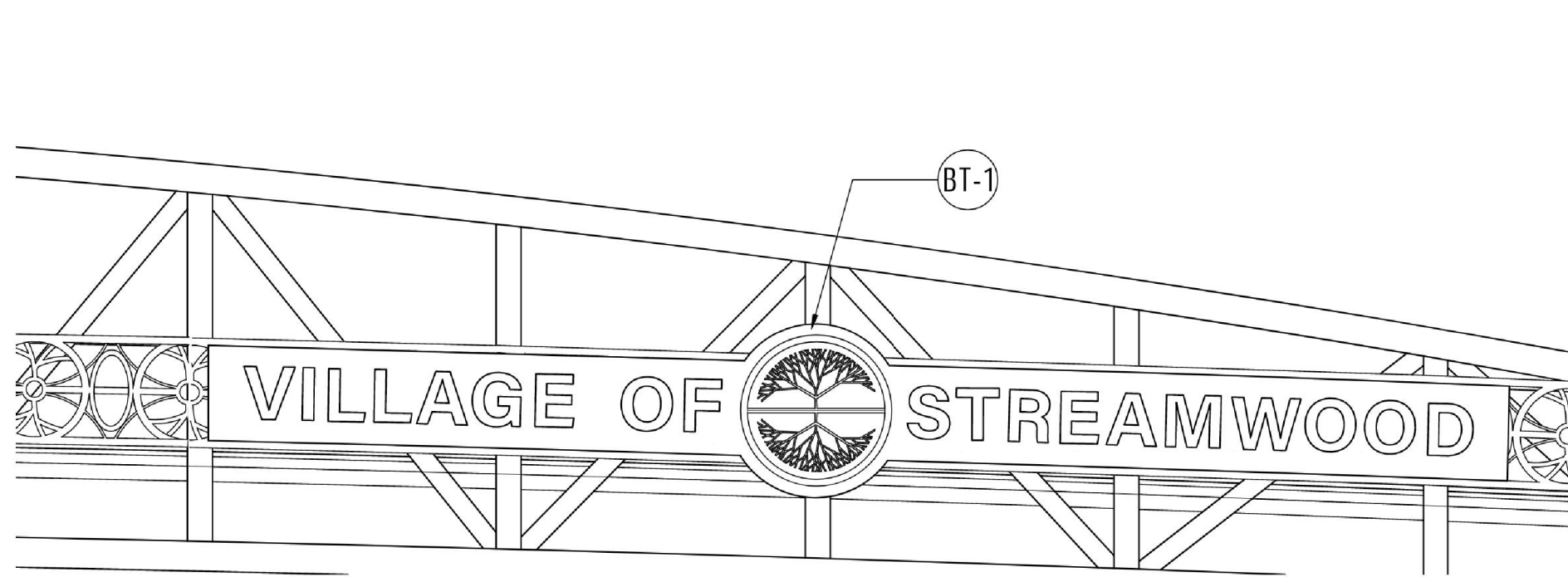
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	DATE - 10/02/23	REVISED -

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DEPARTMENT OF TRANSPORTATION**

<b>IL 59 PEDESTRIAN OVERPASS BRIDGE FASCIA ELEVATION AND DETAIL</b>			
SCALE:	SHEET 2 OF 6 SHEETS	STA.	TO STA.

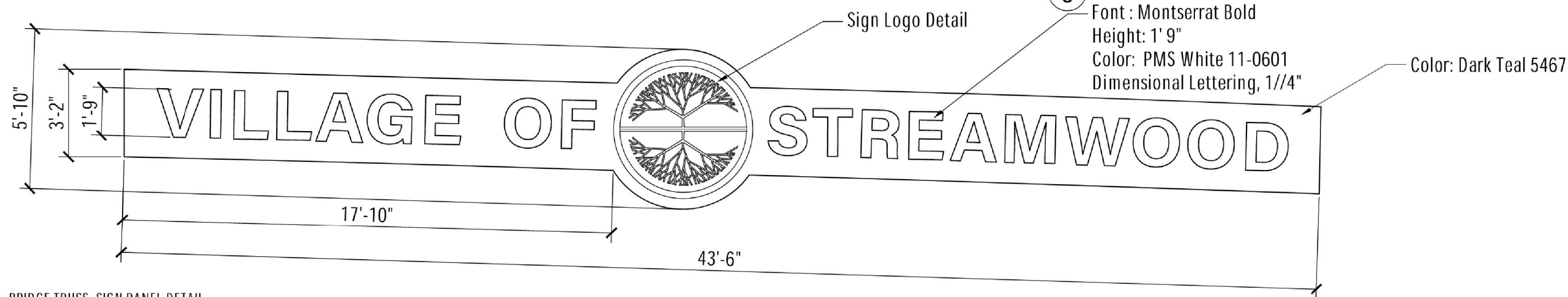
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ILLINOIS FED. AID PROJECT				

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1 BRIDGE TRUSS- SIGN PANEL

3 SIGN LOGO DETAIL



2 BRIDGE TRUSS- SIGN PANEL DETAIL

**BRIDGE TRUSS SIGN PANEL - MATERIAL SCHEDULE**

SYMBOL	ITEM	MATERIAL	FINISH TREATMENT	FACE FEET PER SIGN (FF)	# OF SIGNS	TOTAL FACE FEET (FF)
BT-1	BRIDGE TRUSS - SIGN PANEL (Occurs at North and South Elevation)	ALUMINUM METAL PANEL	CUSTOM PRINTED SIGN WITH DIMENSIONAL LETTERING COLORS: AS SHOWN	147	2	294

Refer to engineering documents for all structural, civil and electrical items. Vector artwork is available for all custom features. Contractor shall provide shop drawings for review and approval Contractor shall provide (3) color and material samples from the manufacturer's standard offerings for each specified item for Village review and selection. Mockups are required, refer to the specifications. Contractor shall provide a mockup of the bridge truss sign for Village review and approval. mockup shall include at least one letter and the complete Village logo. Structural details and connections by others.



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PLOT DATE = 11/3/2023	CHECKED - JM	REVISED -
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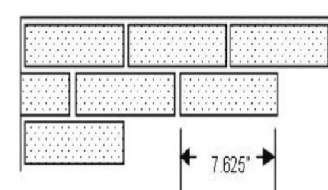
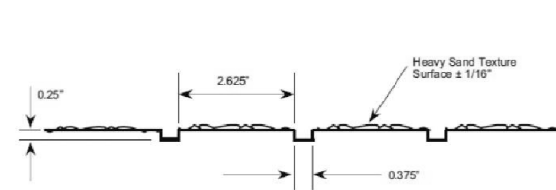
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
BRIDGE SIGN DETAIL**

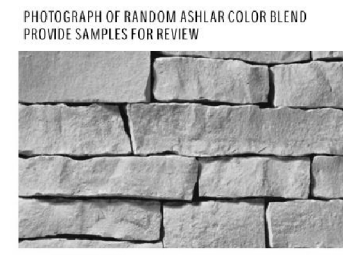
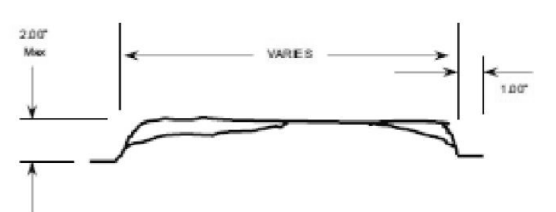
SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	36
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

**Masonry 1539 - 2-5/8"x7-5/8" Sand Cast Brick**



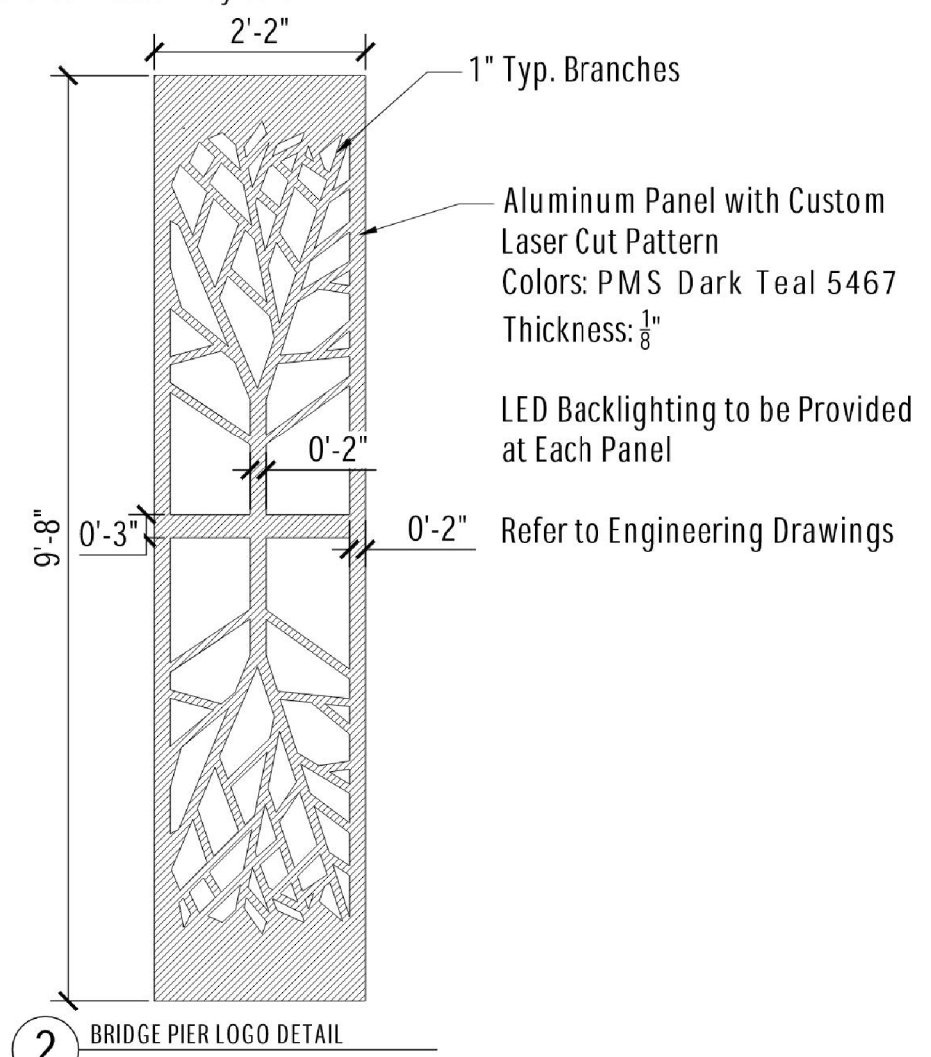
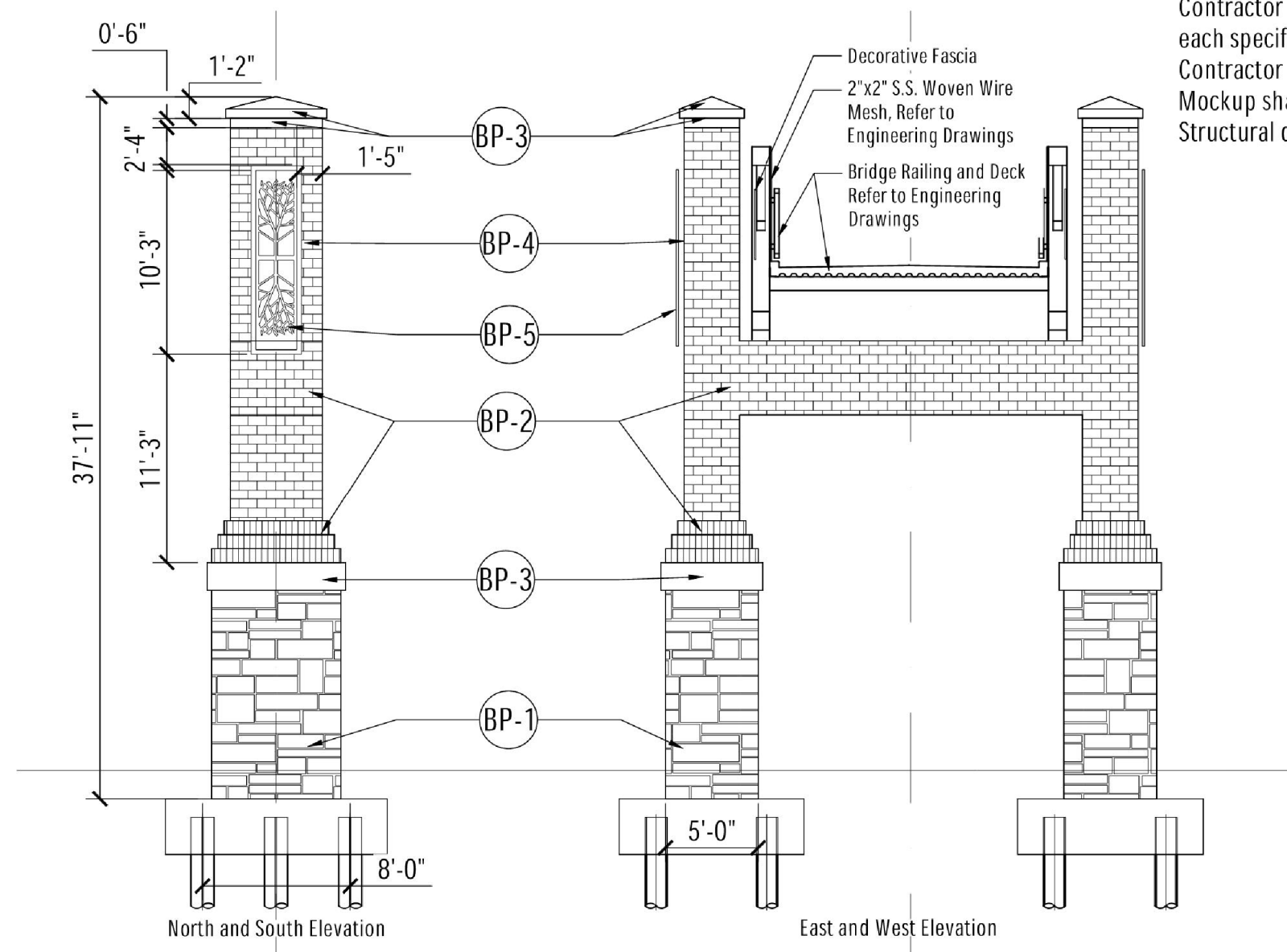
**Stone 1266 - 2" Random Ashlar Stone**



**BRIDGE PIERS - MATERIAL SCHEDULE**

SYMBOL	ITEM	MATERIAL	FINISH TREATMENT	FACE FEET (FF) PER PIER	# OF PIERS	TOTAL FACE FEET (FF)
BP-1	BRIDGE PIERS - BASE	CIP CONCRETE FORMLINER	COLOR: GREY BLEND PATTERN: RANDOM ASHLAR STONE	572	2	1144
BP-2	BRIDGE PIERS - MIDDLE	CIP CONCRETE FORMLINER	COLOR: RED/BROWN BLEND PATTERN: BRICK	890	2	1780
BP-3	BRIDGE PIERS - COPING AND CAP	CIP CONCRETE FORMLINER	COLOR: GREY FINISH: SMOOTH FACE	120	2	240
BP-4	BRIDGE PIERS - PANEL (BEHIND LOGO)	CIP CONCRETE FORMLINER	COLOR: GREY FINISH: SMOOTH FACE	56	2	112
BP-5	BRIDGE PIERS - LOGO PANEL	ALUMINUM METAL PANEL	CUSTOM LASER CUT SIGN PANEL WITH BACKLIGHTING - TEAL	42	2	84

Refer to engineering documents for all structural, civil and electrical items.  
 Vector artwork is available for all custom features.  
 Contractor shall provide shop drawings for review and approval  
 Contractor shall provide (3) color and material samples from the manufacturer's standard offerings for each specified item for Village review and selection.  
 Contractor shall provide a mockup of the specified formliners for Village review and approval.  
 Mockup shall be at least 5'x5'. If approved, the mockup may become an article of the work.  
 Structural details and connections by others.



**1 BRIDGE PIER DETAILS, PIERS 35 & 36**

**2 BRIDGE PIER LOGO DETAIL**

MODEL: Default FILE: \\hp01\p01\ba\external\scop\p01\Documents\Projects\_2021\C4M01 - Chicago P401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II 303.00 - Road 303.01 - Standard Sheets\12\_Landscaping Details\120097-SHT-1-SCDET



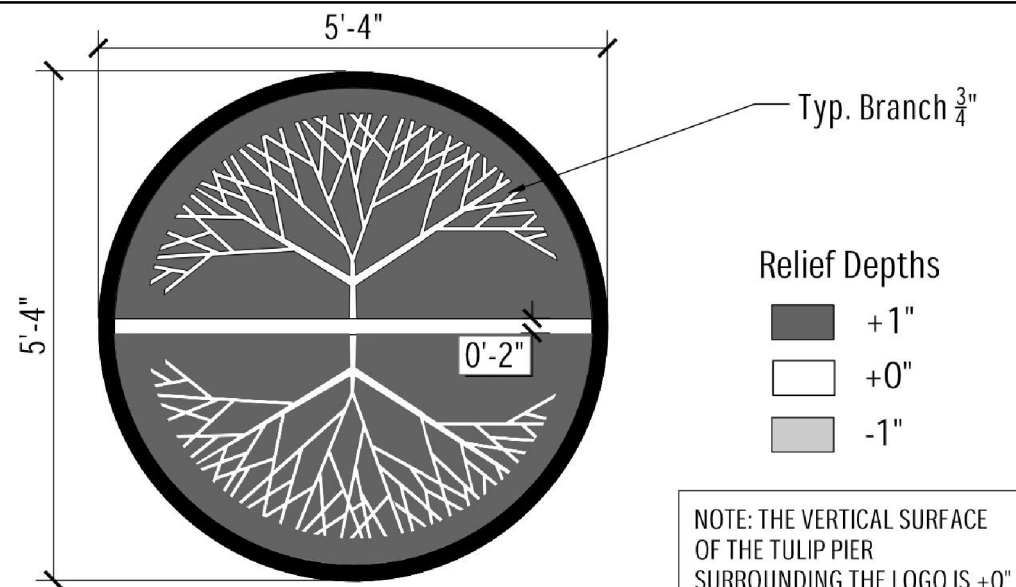
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	DATE - 10/02/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
BRIDGE PIER DETAILS**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

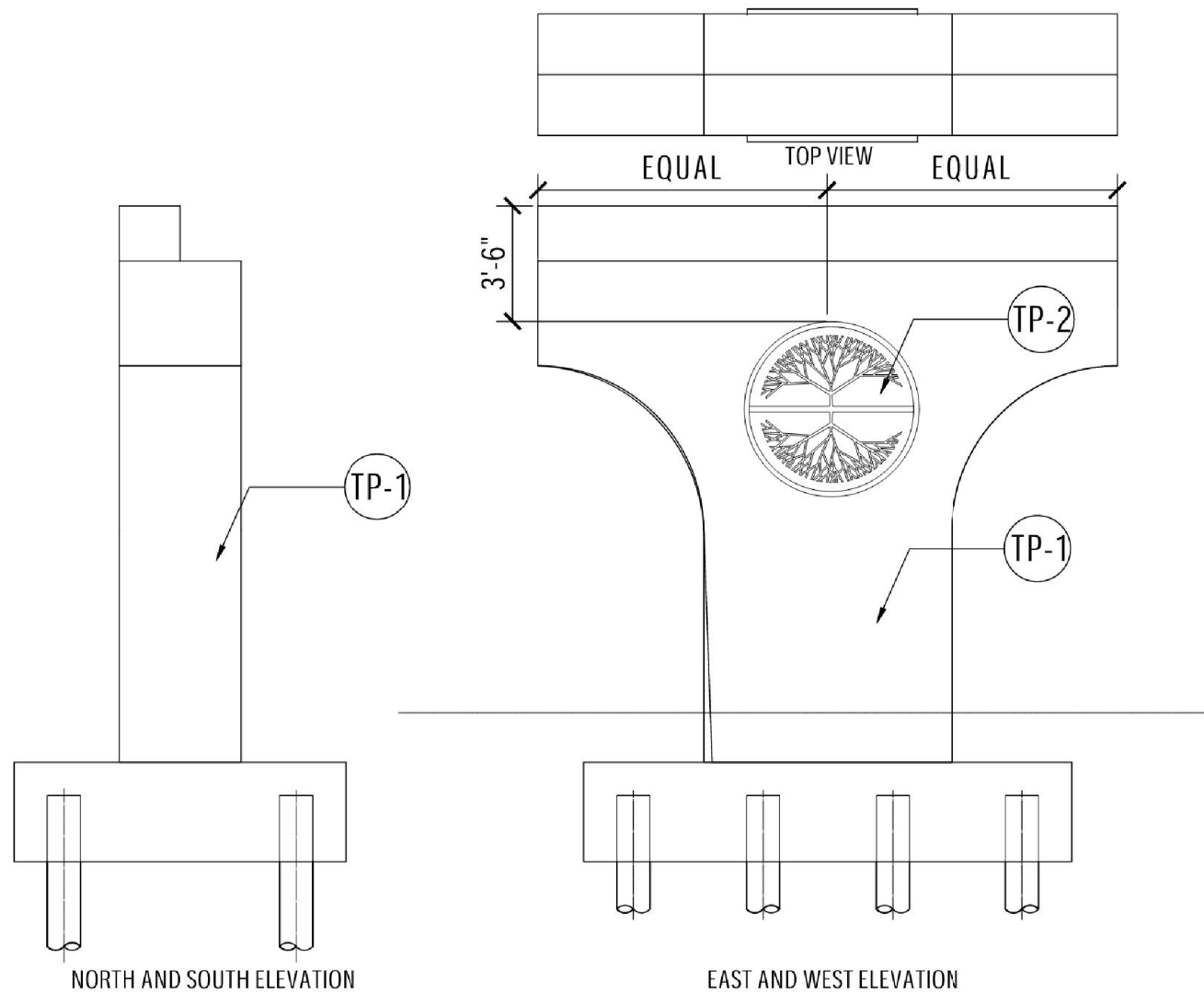
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	37
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



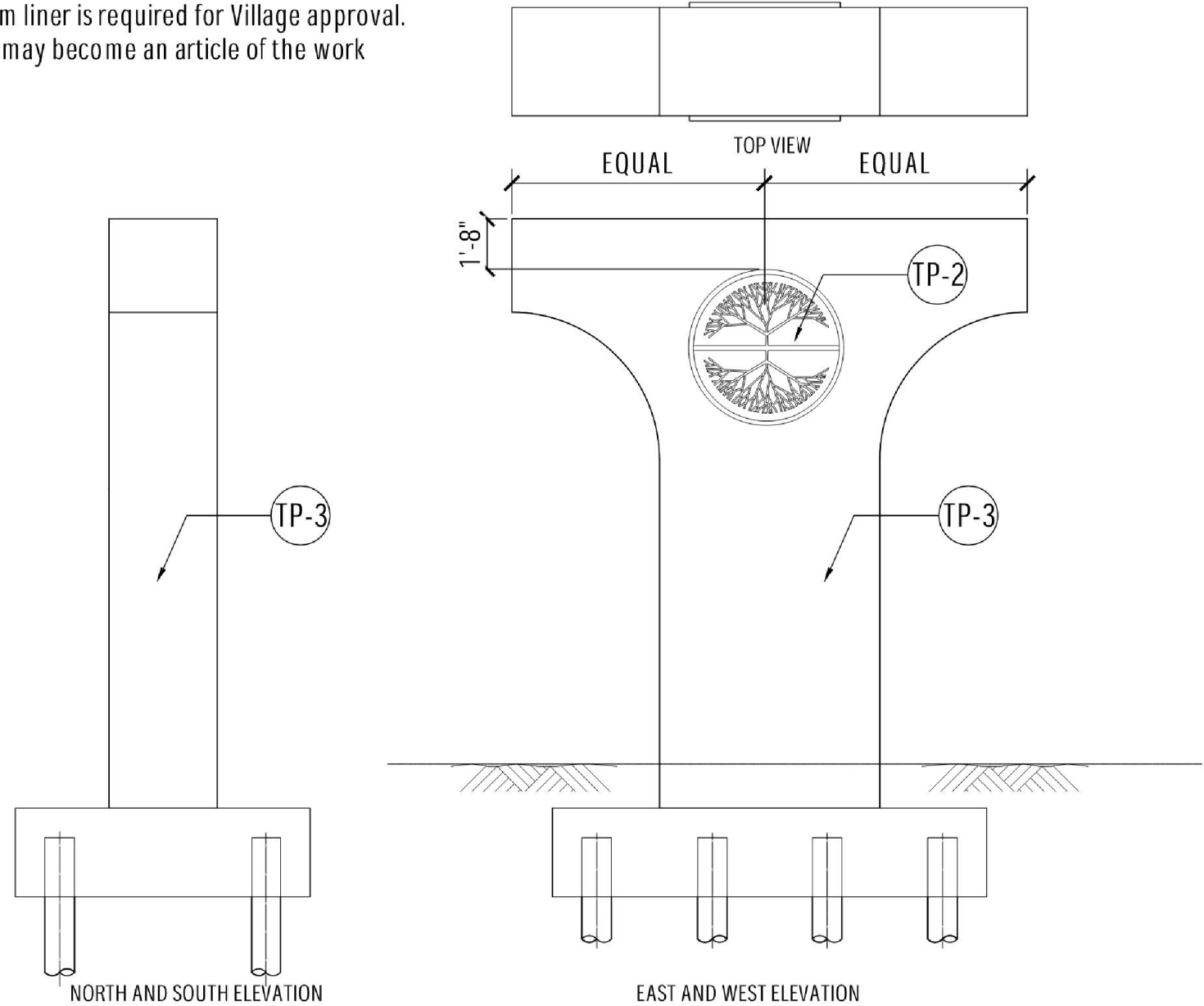
1 TULIP PIER LOGO DETAIL

TULIP PIERS - MATERIAL SCHEDULE						
SYMBOL	ITEM	MATERIAL	FINISH TREATMENT	FACE FEET (FF) PER PIER	NUMBER OF PIERS	FACE FEET (FF) TOTAL
TP-1	TULIP PIER - 33 & 38	CIP CONCRETE	COLOR: GREY STANDARD CONCRETE	426	2	852
TP-2	TULIP PIERS - LOGO	CIP CONCRETE FORMLINER	COLOR: GREY STANDARD CONCRETE AND CUSTOM FORMLINER	44	4	176
TP-3	TULIP PIER - 34 & 37	CIP CONCRETE	COLOR: GREY STANDARD CONCRETE	488	2	976

Refer to engineering documents for all structural, civil and electrical items.  
 Vector artwork is available for all custom features.  
 Contractor shall provide shop drawings for review and approval.  
 Contractor shall provide (3) color and material samples from the manufacturer's standard offerings for each specified item for Village review and selection.  
 A mockup of one logo form liner is required for Village approval.  
 If approved, the mockup may become an article of the work



2 PIER 33 & 38



3 PIER 34 & 37 DETAIL

MODEL: Default  
 FILE: \\bpc\mnt01\ba\ctrans\scop\pww\Documents\Projects\_2021\C4M01 - ChicagoP401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\12\_Landscaping Details\12087-SHT-LSDET



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	DATE - 10/02/23	REVISED -

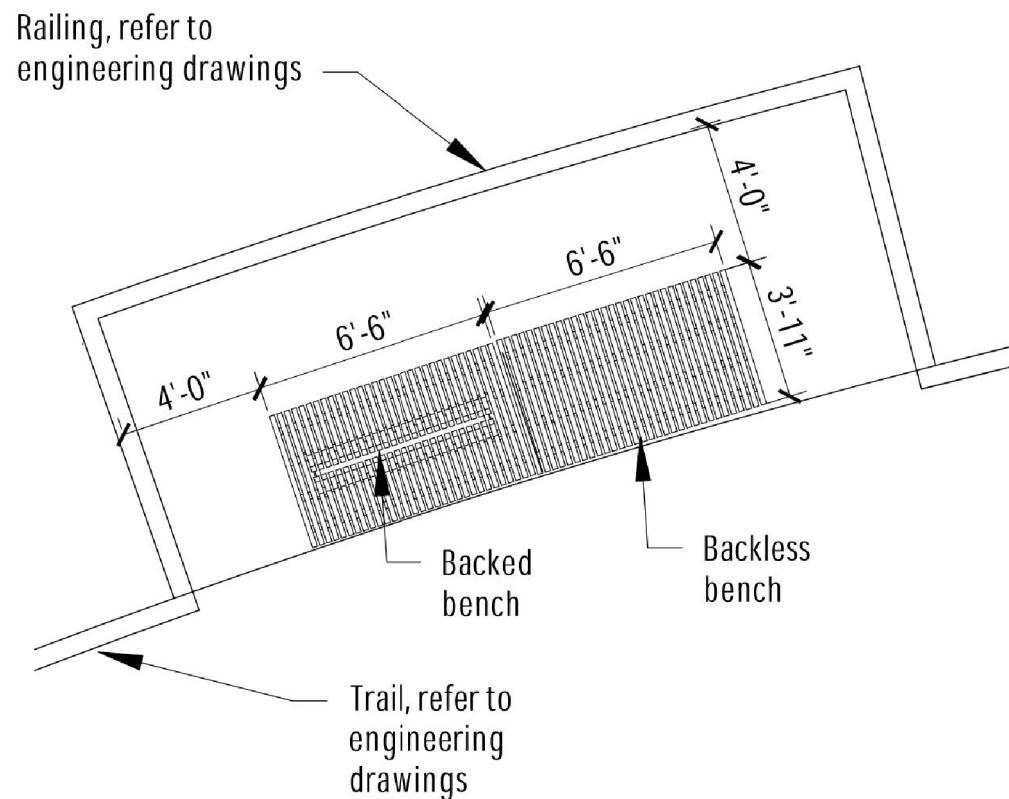
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 59 PEDESTRIAN OVERPASS  
TULIP PIER DETAILS

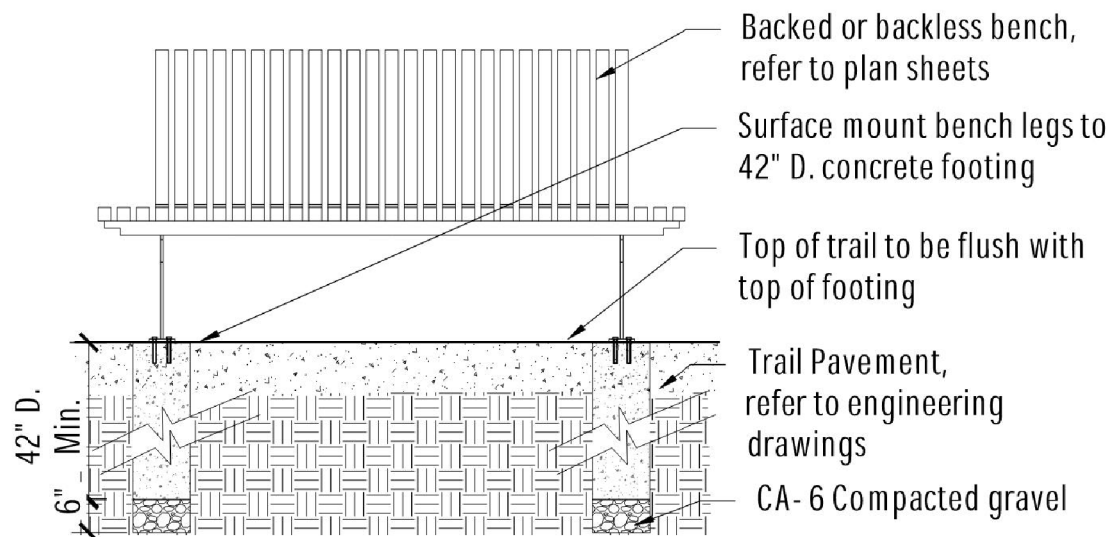
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	38
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

PRODUCT	MANUFACTURER	SPECIFICATION	QUANTITY
Bench	Streetlife	Olympic Wave Crosswise Bench, Color: Olive Green, Backed	2
Bench	Streetlife	Olympic Wave Crosswise Bench, Color: Olive Green, Backless	2
Trash Receptacles	See Below	Black with Custom Banding Detail	2
Recycling Receptacles	See Below	Black with Custom Banding Detail	2



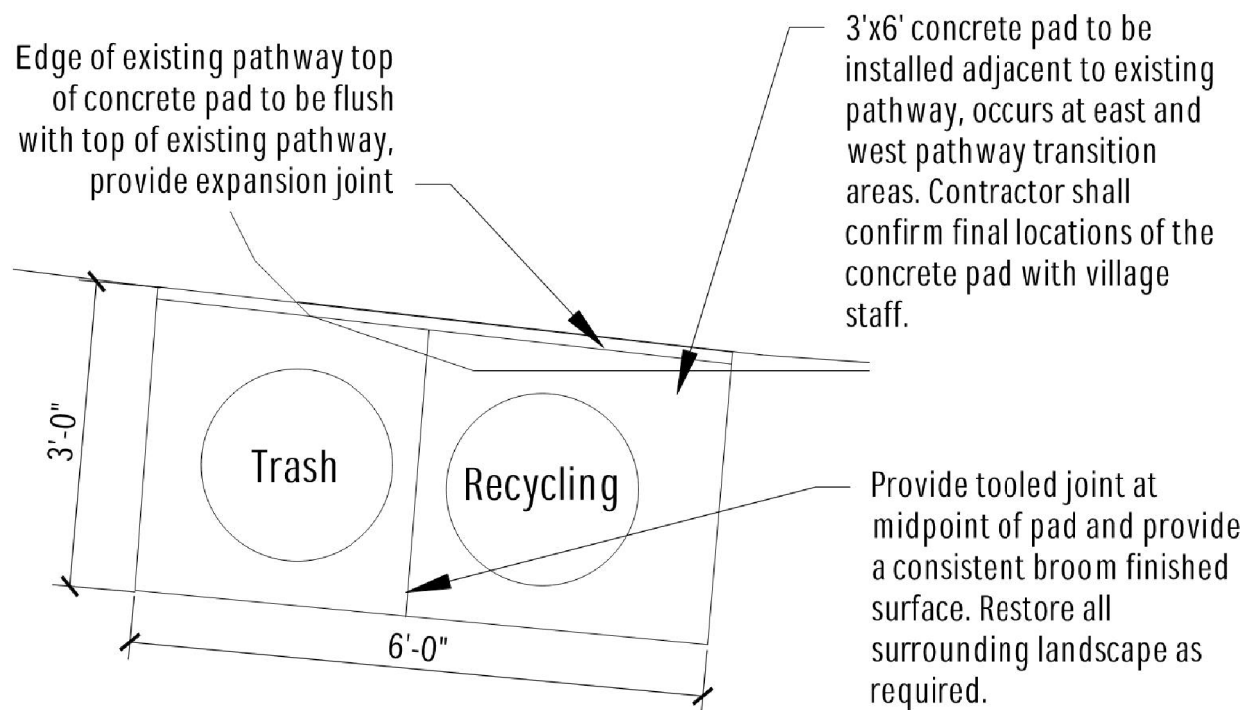
1 BENCH SEATING AREA - TYP. DETAIL



2 SURFACE MOUNTED BENCH DETAIL - TYP.  
NOTE: INSTALL BENCHES PER MANUFACTURER'S SPECIFICATIONS. USE MANUFACTURER'S BOLT TEMPLATE AND RECOMMENDED HARDWARE.



Manufacturer: Streetlife - [www.steelife.com](http://www.steelife.com)  
 Model: Olympic Wave Crosswise Bench  
 Metal: Galvanized Steel, Powdercoated Olive Green RAL 6003  
 Wood: Cumaru, 100% FSC Certified, Unfinished



3 TRASH / RECYCLING RECEPTACLES AND CONCRETE PAD\*  
 \* = CONCRETE PAD SHALL BE PAID FOR AS PCC SIDEWALK 5" WITH AGGREGATE BASE COURSE, TYP B 4"



NOTE: TRASH AND RECYCLING RECEPTACLE TO BE SURFACE MOUNTED TO THE CAST IN PLACE CONCRETE PAD USING THE MANUFACTURER'S RECOMMENDED INSTALLATION DETAILS.

**Trash / Recycling Receptacles**  
 Receptacle Style: Top Loading.  
 Receptacle Color: TBD based on Village review of manufacturer's standard selections.  
 Liner Color: TBD based on Village review of manufacturer's standard selections.  
 Receptacle Signage: Litter and Recycling, TBD based on Village review of manufacturer's standard selections.  
 Custom Decal: Village of Streamwood custom decal, artwork to be provided upon product selection.  
 Mounting: surface mount to concrete pad using manufacturer's supplied hardware.

Available through the following manufacturers:  
 Mfr: Victor Stanley [www.victorstanley.com](http://www.victorstanley.com)  
 Model: S-45  
 Mfr: Landscape Forms [www.landscapeforms.com](http://www.landscapeforms.com)  
 Model: Chase Park

Mfr: Keystone Ridge [www.keystoneridgedesigns.com](http://www.keystoneridgedesigns.com)  
 Model: Midtown

MODEL: Default  
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PLOT DATE = 11/3/2023	CHECKED - JM	REVISED -
	DATE - 10/02/23	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 59 PEDESTRIAN OVERPASS  
 SITE FURNISHINGS DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	39
CONTRACT NO. 61J67				
ILLINOIS / FED. AID PROJECT				









SCHEDULE OF QUANTITIES

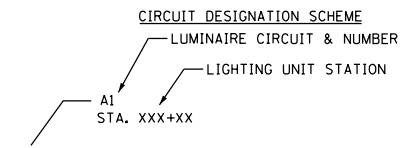
NO	PAY ITEM NAME	UNIT	QTY TOTAL	IN IDOT ROW
1	ELECTRIC SERVICE INSTALLATION	EACH	1	
2	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	
3	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	120	
4	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	1,240	X
5	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	1,430	X
6	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	20	
7	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	18	
8	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2	
9	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 20" X 16" X 6"	EACH	6	
10	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8" X 8" X 6"	EACH	4	
11	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	45	
12	UNIT DUCT, 600V, 3-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	60	
13	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,300	X
14	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	5,050	X
15	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	2,300	X
16	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	130	
17	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1	
18	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	11	
19	PEDESTRIAN BRIDGE LIGHTING SYSTEM	L SUM	1	X
20	LUMINAIRE, LED, SPECIAL	EACH	19	
21	AESTHETIC LED STRIP LIGHT, 4W/FT, WHITE	FOOT	72	
22	AESTHETIC LED STRIP LIGHT DRIVER - 24V POWER SUPPLY	EACH	4	
23	LIGHT POLE, SPECIAL	EACH	19	

GENERAL NOTES

- ROADWAY LIGHTING REQUIREMENTS FOR THIS PROJECT SHALL COMPLY WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), IDOT AND RECURRING SPECIAL PROVISIONS, CONTRACT SPECIAL PROVISIONS, AND THE AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING AND THE ANSI/IES RP-8.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND CONFIRM THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND THE LIGHTING CONTROLLER WITH THE STRUCTURAL CONTRACTOR AND ENGINEER. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS FOR THE ELECTRICAL SERVICE FOR THE PROPOSED ROADWAY LIGHTING. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRIC UTILITY COMPANY.
- ALL WIRE SPLICING TO BE PERFORMED INSIDE LIGHT POLES OR WATERTIGHT JUNCTION BOXES.
- CONTRACTOR SHALL INSTALL IDENTIFICATION NUMBERS ON ALL NEW LIGHT POLES.
- THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OR CATALOG CUTS FOR ALL EQUIPMENT AND MATERIALS TO THE VILLAGE OF STREAMWOOD FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION. FAILURE TO SUBMIT AND APPROVE MATERIAL MAY RESULT IN UNACCEPTED WORK AND/OR REINSTALLATION.
- AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) AT 811 FOR FIELD LOCATIONS OF BURIED UTILITIES. CONTRACTOR SHALL VERIFY ANY UNDERGROUND OR OVERHEAD UTILITY LOCATIONS AND RESOLVE UTILITY CONFLICTS PRIOR TO BEGINNING WORK.
- PROVIDE COMBINATION EXPANSION / DEFLECTION FITTINGS FOR RIGID CONDUITS OR JUNCTION BOXES ACROSS EXPANSION JOINTS AND AT TRANSITION FROM UNDERGROUND CONDUIT TO CONDUIT ATTACHED/EMBEDDED IN STRUCTURES. THE COST OF EXPANSION/DEFLECTION FITTINGS SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
- 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE INSTALLED ON LIGHTING CONTROLLER, ENGRAVED WITH "VILLAGE OF STREAMWOOD LIGHTING CONTROLLER".

LEGEND

-  DECORATIVE LIGHTING UNIT: 16.0' M.H. UNLESS NOTED OTHERWISE), LED LIGHT FIXTURE
-  VILLAGE OF STREAMWOOD DECORATIVE LOGO LIGHT FIXTURE
-  PR LIGHTING CONTROLLER 240/480V, 1-PH, 3-WIRE
-  PR GROUND MOUNTED SERVICE INSTALLATION, VOLTAGE AS INDICATED ON PLANS
-  PR LIGHTING STAINLESS STEEL JUNCTION BOX (TYPE AND SIZE AS INDICATED ON THE PLANS)
-  PR UNIT DUCT WITH CABLE (TYPE AND SIZE AS INDICATED ON THE PLANS)
-  PR CONDUIT ATTACHED TO STRUCTURE (TYPE AND SIZE AS INDICATED ON THE PLANS)
-  PR HANDRAIL LIGHTING WITH CABLE (TYPE AND SIZE AS INDICATED ON THE PLANS)



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	DATE - 09/29/23	REVISED -

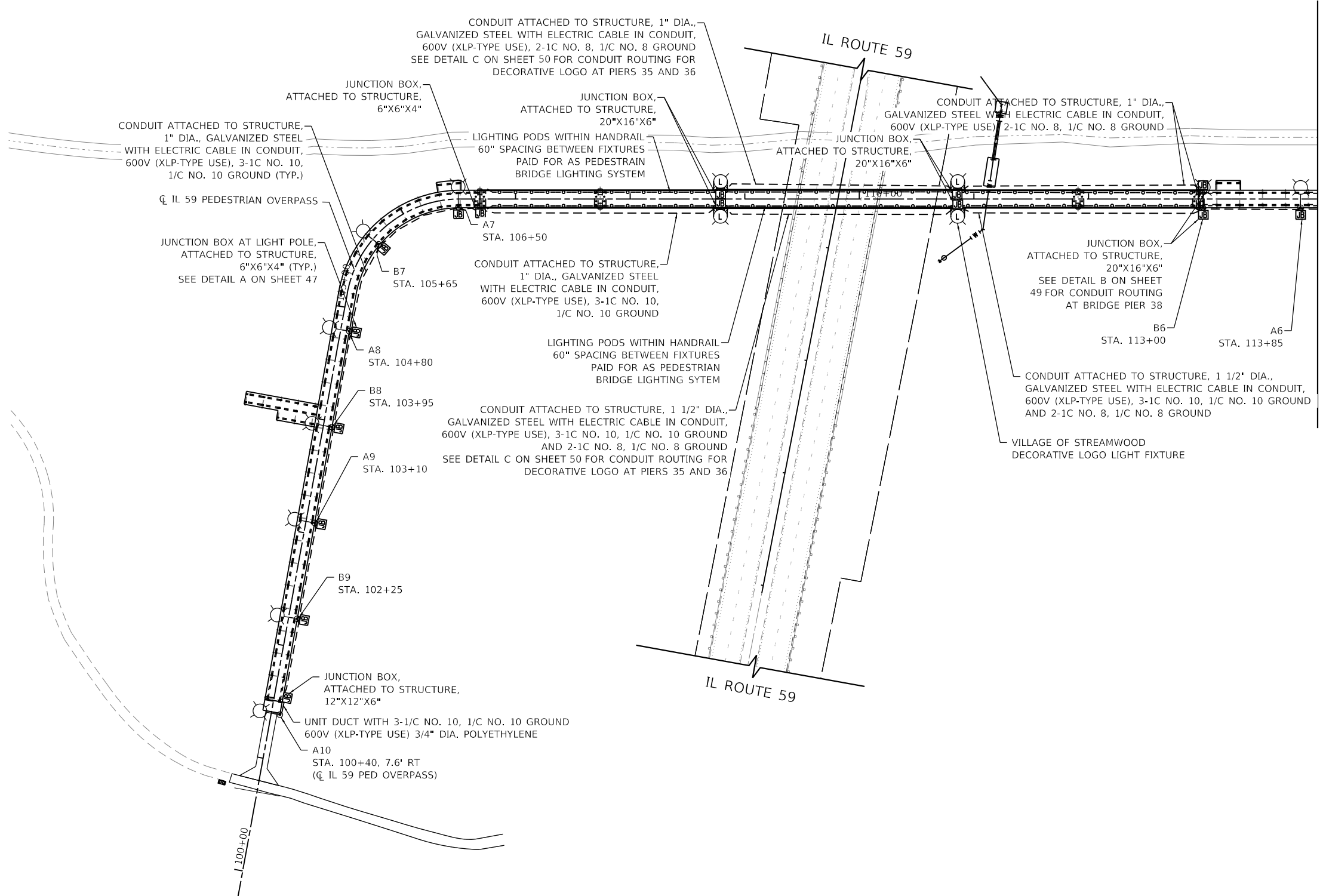
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
LIGHTING GENERAL NOTES**

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	40
CONTRACT NO. 61J67			ILLINOIS FED. AID PROJECT	





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**TRANSYSTEMS**

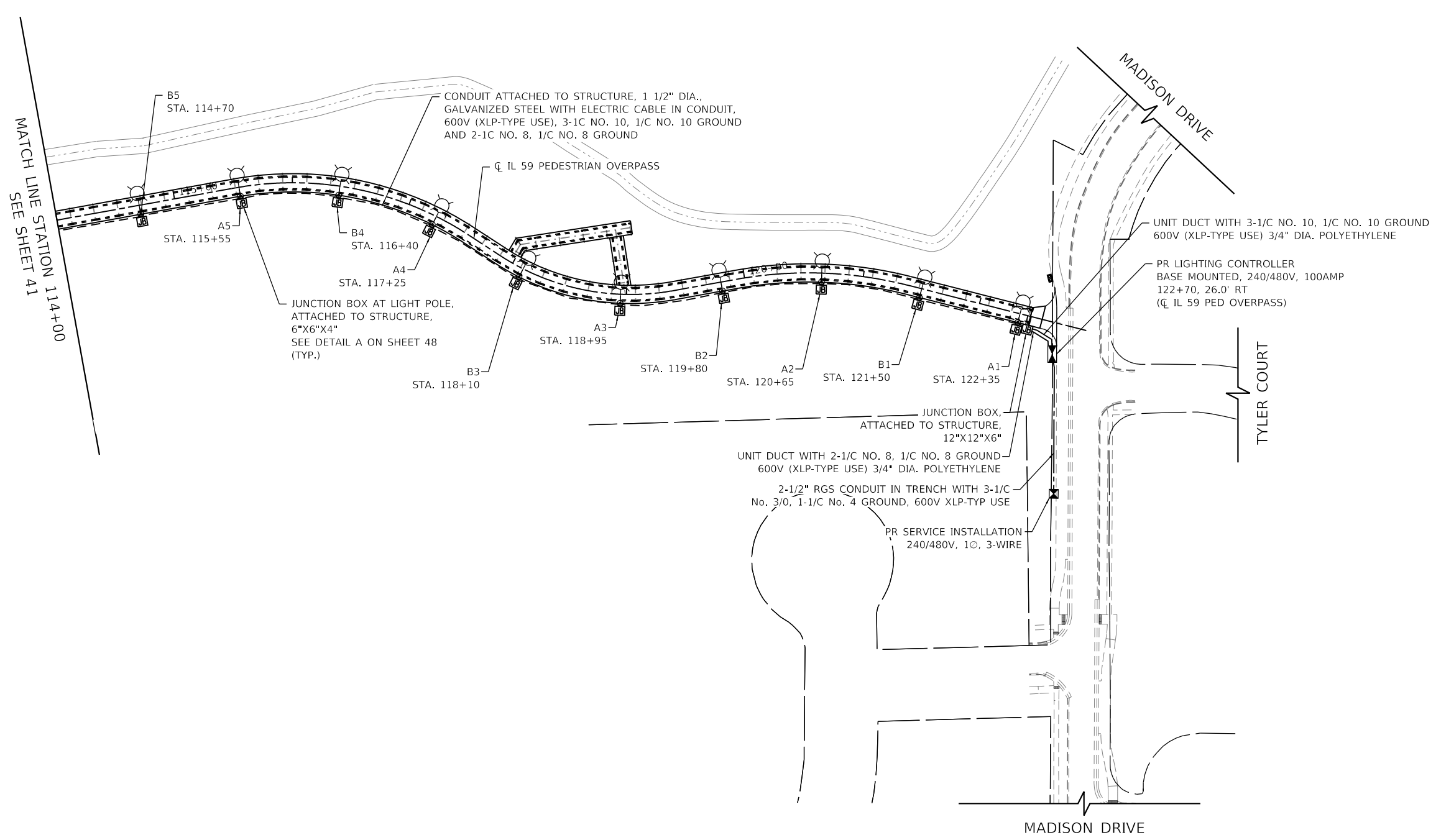
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PLOT DATE = 11/3/2023	CHECKED - LGB	REVISED -
	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
PROPOSED LIGHTING PLANS**

SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 100+00 TO STA. 114+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	41
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	



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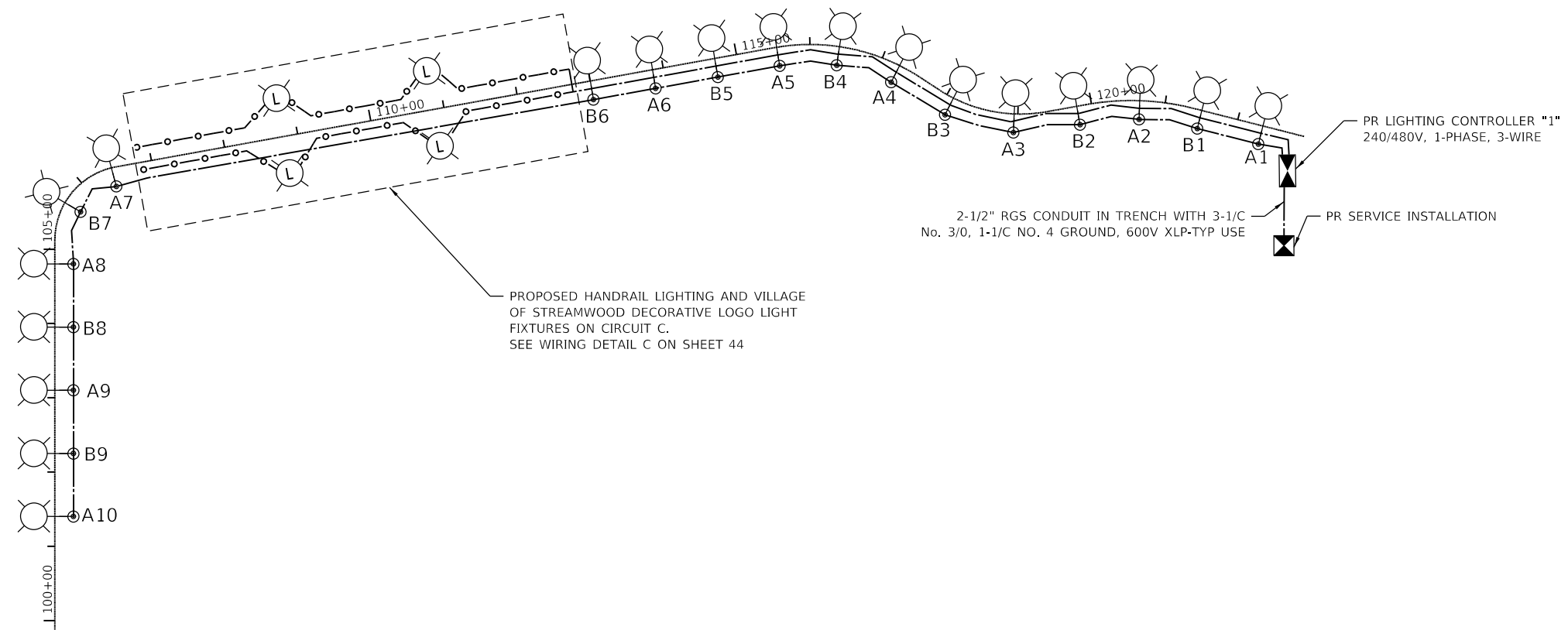
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PLOT DATE = 11/3/2023	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 PROPOSED LIGHTING PLANS**

SCALE: 1"=50'    SHEET 2 OF 2 SHEETS    STA. 114+00.00 TO STA. 122+92.29

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	42
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



**PANEL SCHEDULE AND  
LOAD TABULATION  
PROPOSED LIGHTING CONTROLLER  
240/480V, 1-PHASE, 3-WIRE**

**MAIN BREAKER: 100A**

CIRCUIT	BREAKER TRIP AMPS @ 240V	AMPS	WATTS
A	50-1P	2.92	350
B	50-1P	2.63	315
C	50-1P	4.17	500
	TOTAL	9.72	1.17 kW

MODEL: Default  
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PLOT DATE = 11/3/2023	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL 59 PEDESTRIAN OVERPASS LIGHTING WIRING DIAGRAM</b>	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	43
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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2-1C NO. 8, 1/C NO. 8 GROUND  
IN 1" DIA. CONDUIT







2-1C NO. 8, 1/C NO. 8 GROUND  
IN 1 1/2" DIA. CONDUIT

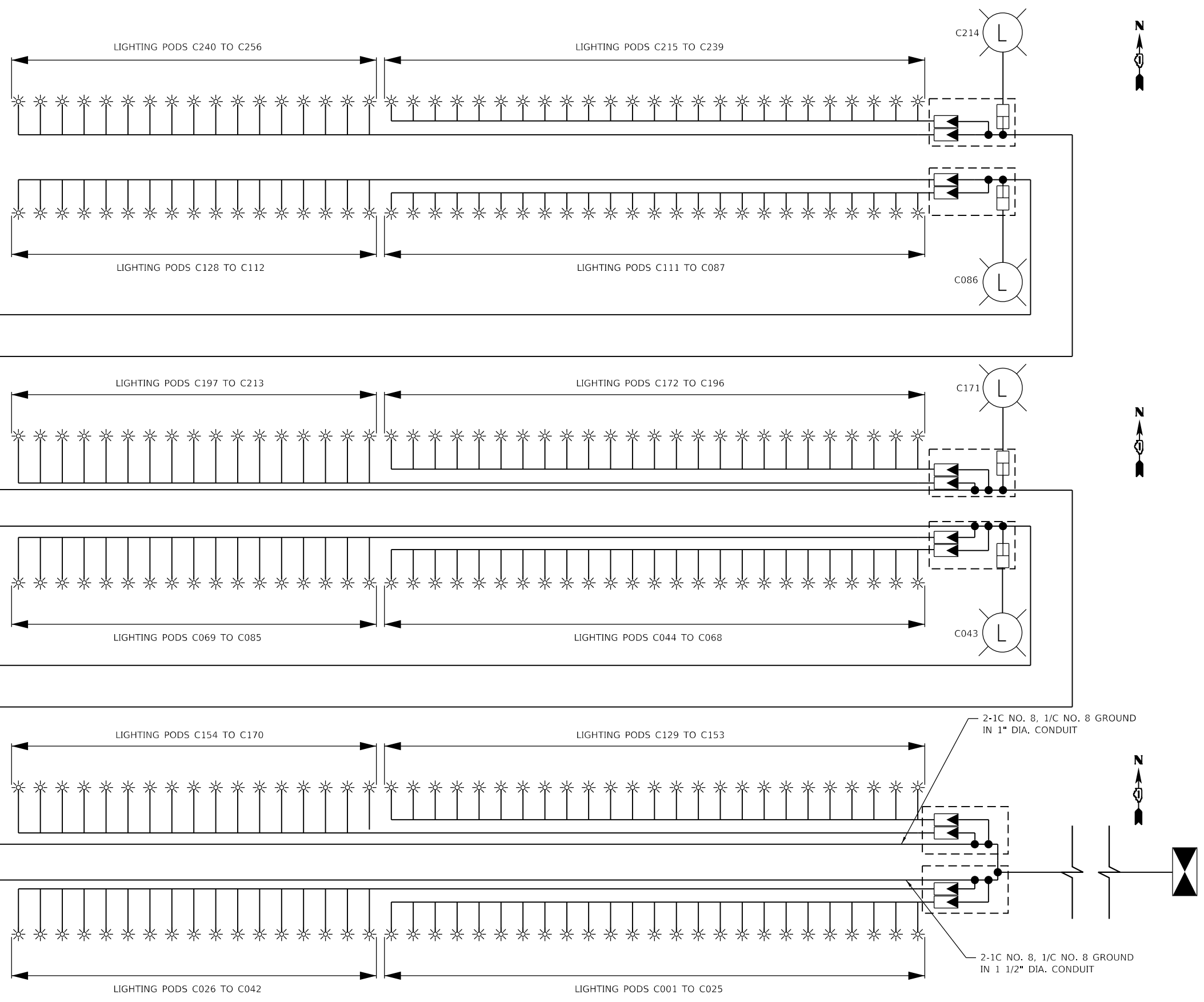
2-1C NO. 8, 1/C NO. 8 GROUND  
IN 1" DIA. CONDUIT

2-1C NO. 8, 1/C NO. 8 GROUND  
IN 1 1/2" DIA. CONDUIT

**NOTES:**  
 WIRING FOR CIRCUITS A AND B ARE NOT SHOWN ON  
 THIS PAGE FOR CLARITY. SEE PAGE 43 FOR DETAILS

**LEGEND**

-  LED LIGHTING POD, HANDRAIL MOUNTED, 24V, 2.5W
-  DECORATIVE LOGO LIGHT FIXTURE, BRIDGE PIER MOUNTED, 24V, 4W/FT
-  LIGHTING CONTROLLER, 240/480V
-  LED DRIVER, 24V, 94W, CLASS 2
-  LED DRIVER, 24V, 100W, CLASS 2
-  JUNCTION BOX 20" X 16" X 6" NEMA 3R



USER NAME = lmnainggolan	DESIGNED - BTW	REVISED -
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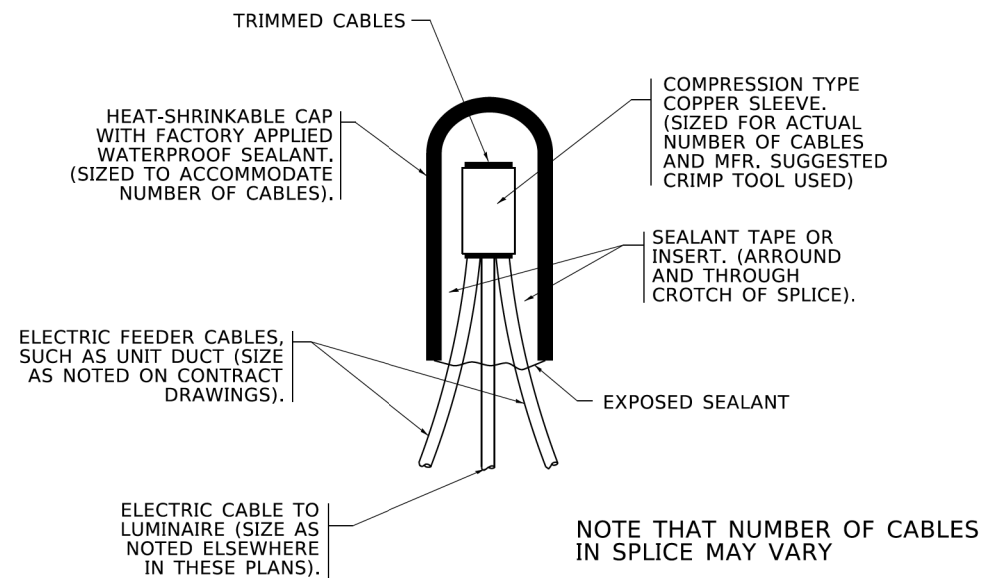
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
CIRCUIT C LIGHTING WIRING DIAGRAM**

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

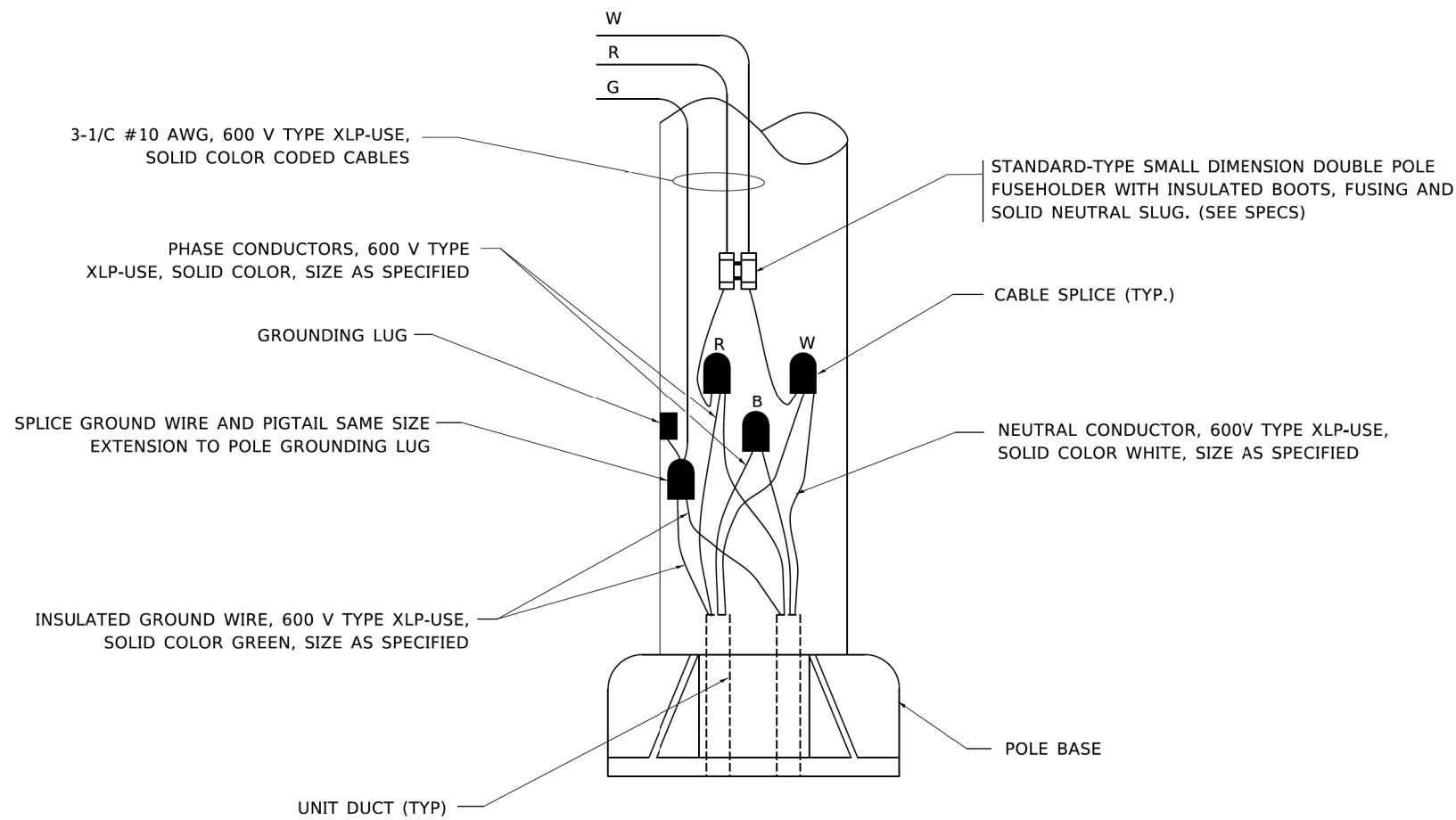
F.A.U. RTE. 338	SECTION 21-00067-00-BR	COUNTY COOK	TOTAL SHEETS 96	SHEET NO. 44
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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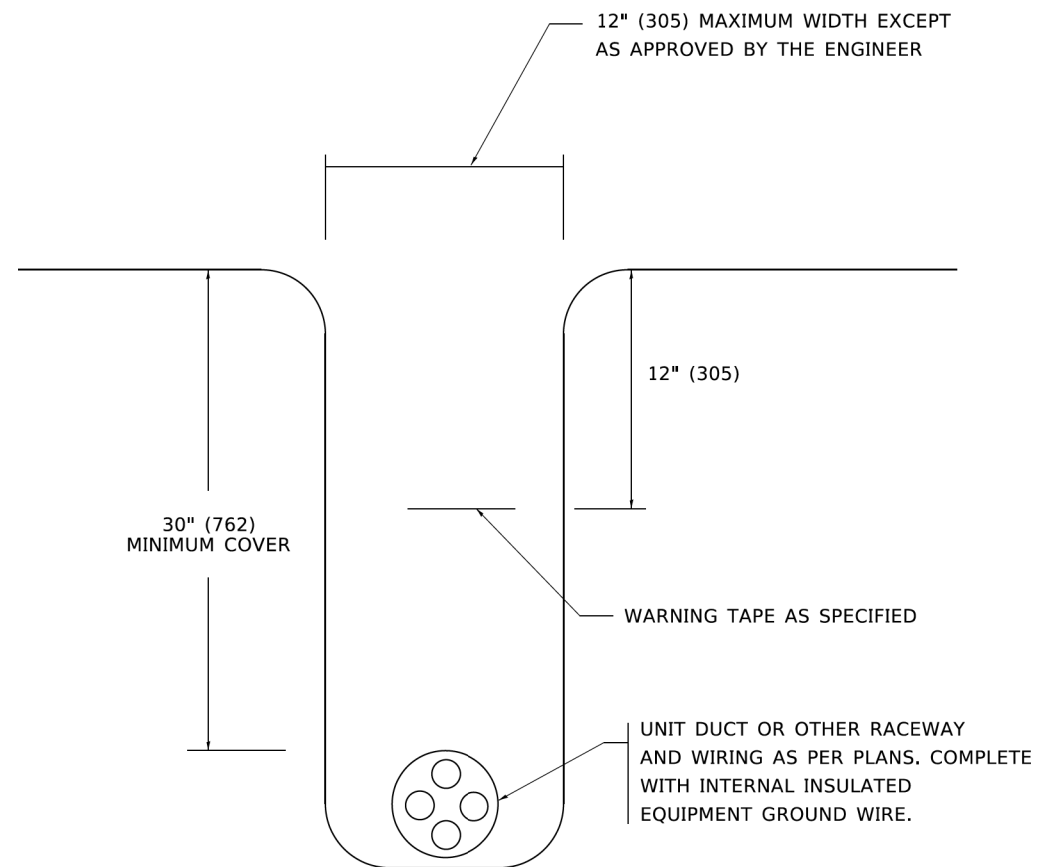


**TYPICAL SPLICE DETAIL**  
**N.T.S.**

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



**POLE WIRING DETAIL**  
**N.T.S.**



**TYPICAL WIRING IN TRENCH DETAIL**  
**N.T.S.**

**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	CHECKED - LGB	REVISED -
	DATE - 09/29/23	REVISED -

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

**IL 59 PEDESTRIAN OVERPASS**  
**MISC. ELECTRIC DETAILS SHEET A**

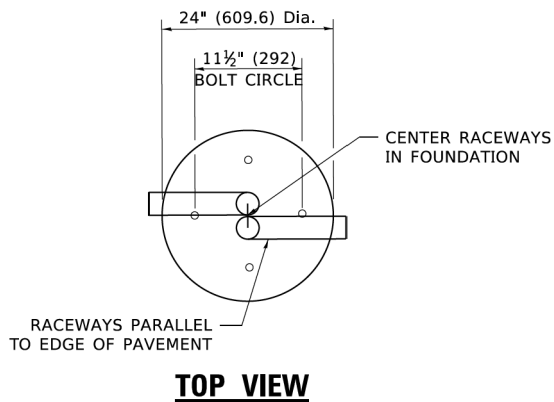
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BE-702		CONTRACT NO. 61J67		
ILLINOIS FED. AID PROJECT				

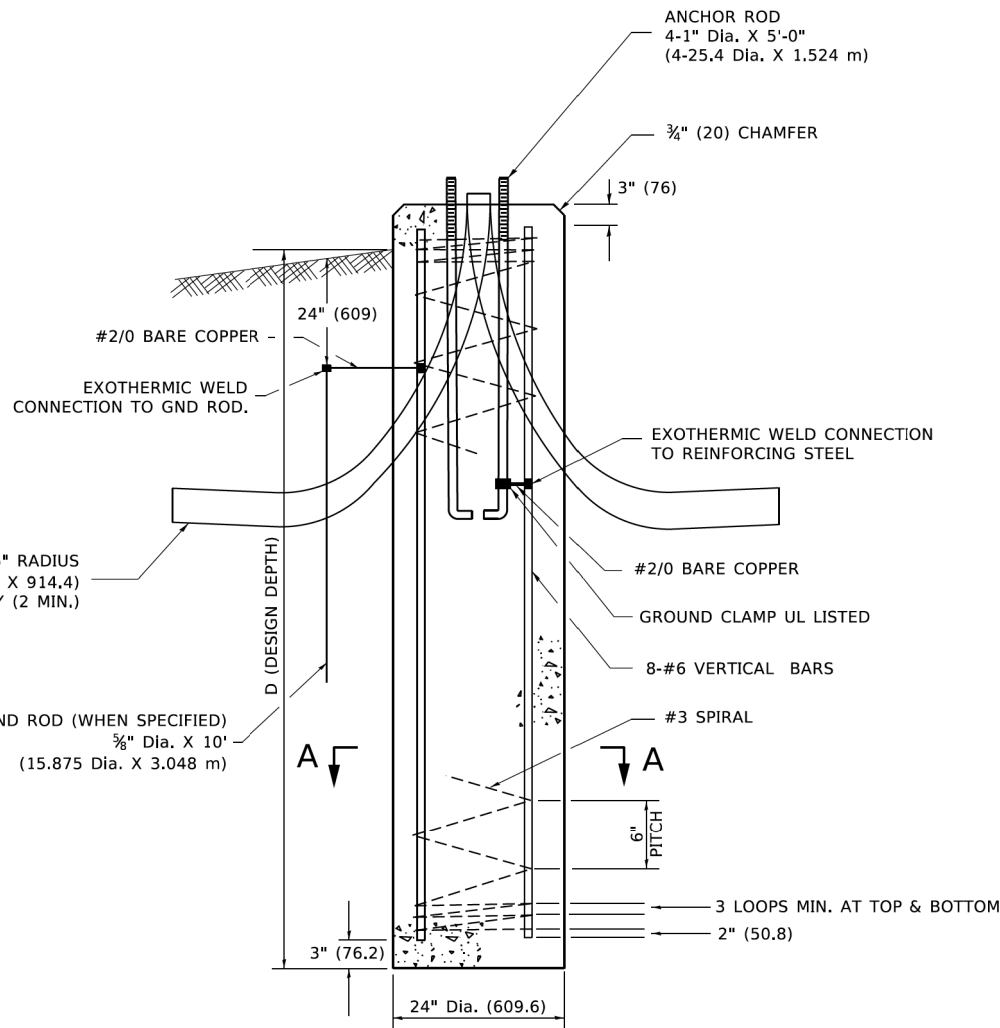


**LIGHT POLE FOUNDATION DEPTH TABLE**  
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

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)



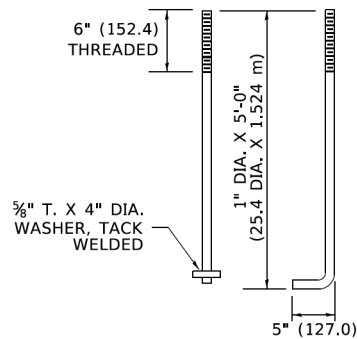
**TOP VIEW**



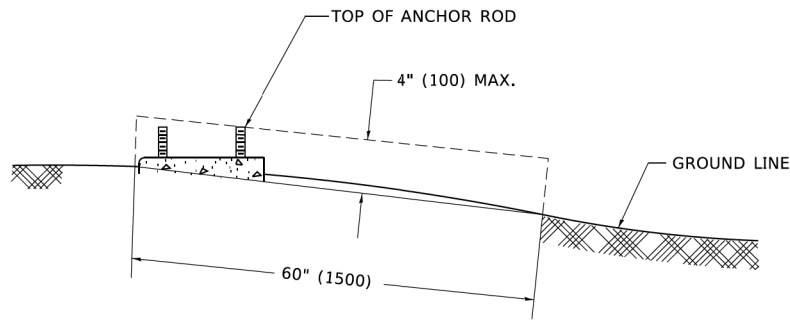
**FOUNDATION DETAIL**

**NOTES**

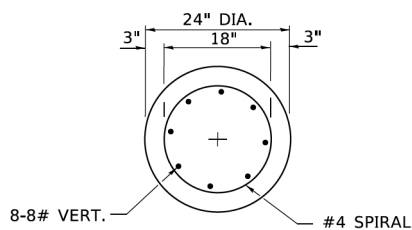
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, 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**

MODEL: Default  
 FILE: \\bpc-wm101-b-c-transys\corp\pww\1\Documents\Projects\_2021\C4401 - ChicagoP401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\Lighting Detail\Lighting Standard Drawings

**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	CHECKED - LGB	REVISED -
	DATE - 09/29/23	REVISED -

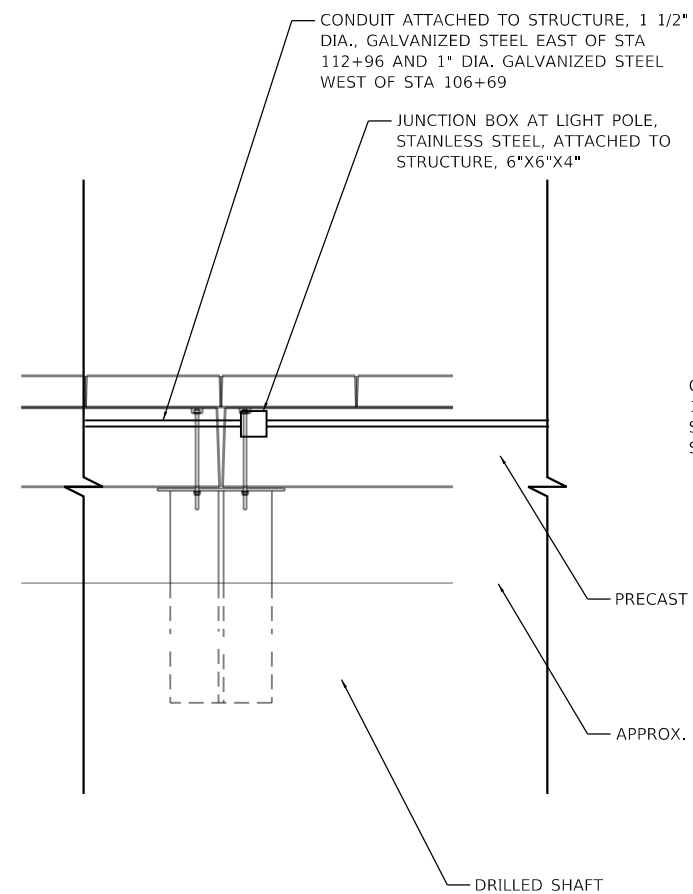
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS**  
**30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE**

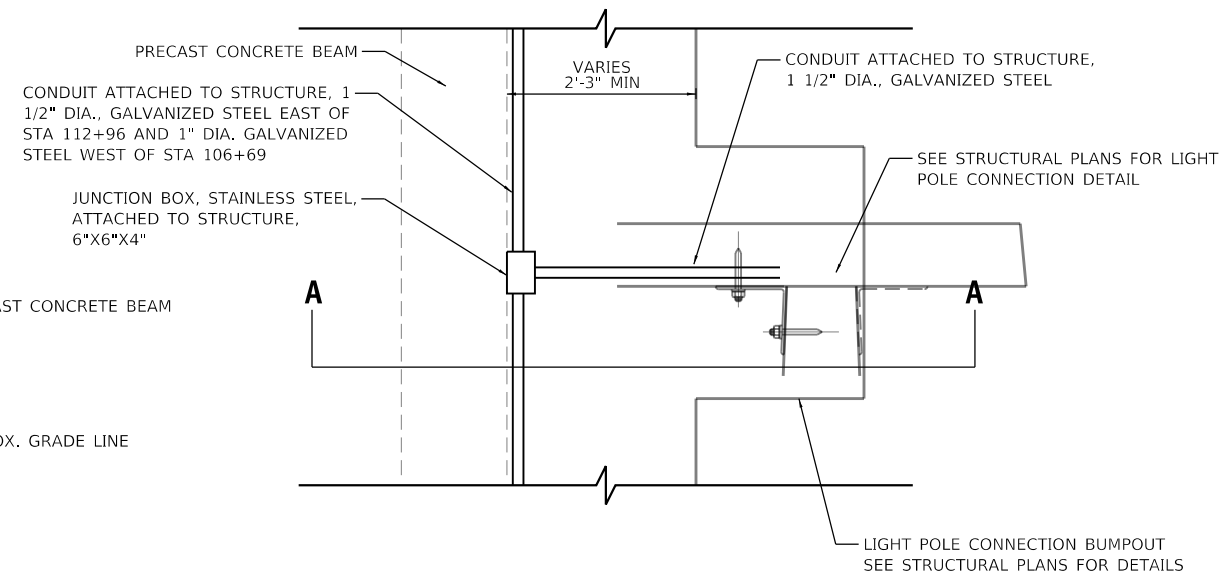
SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	47
BE-300		CONTRACT NO. 61J67		
ILLINOIS FED. AID PROJECT				

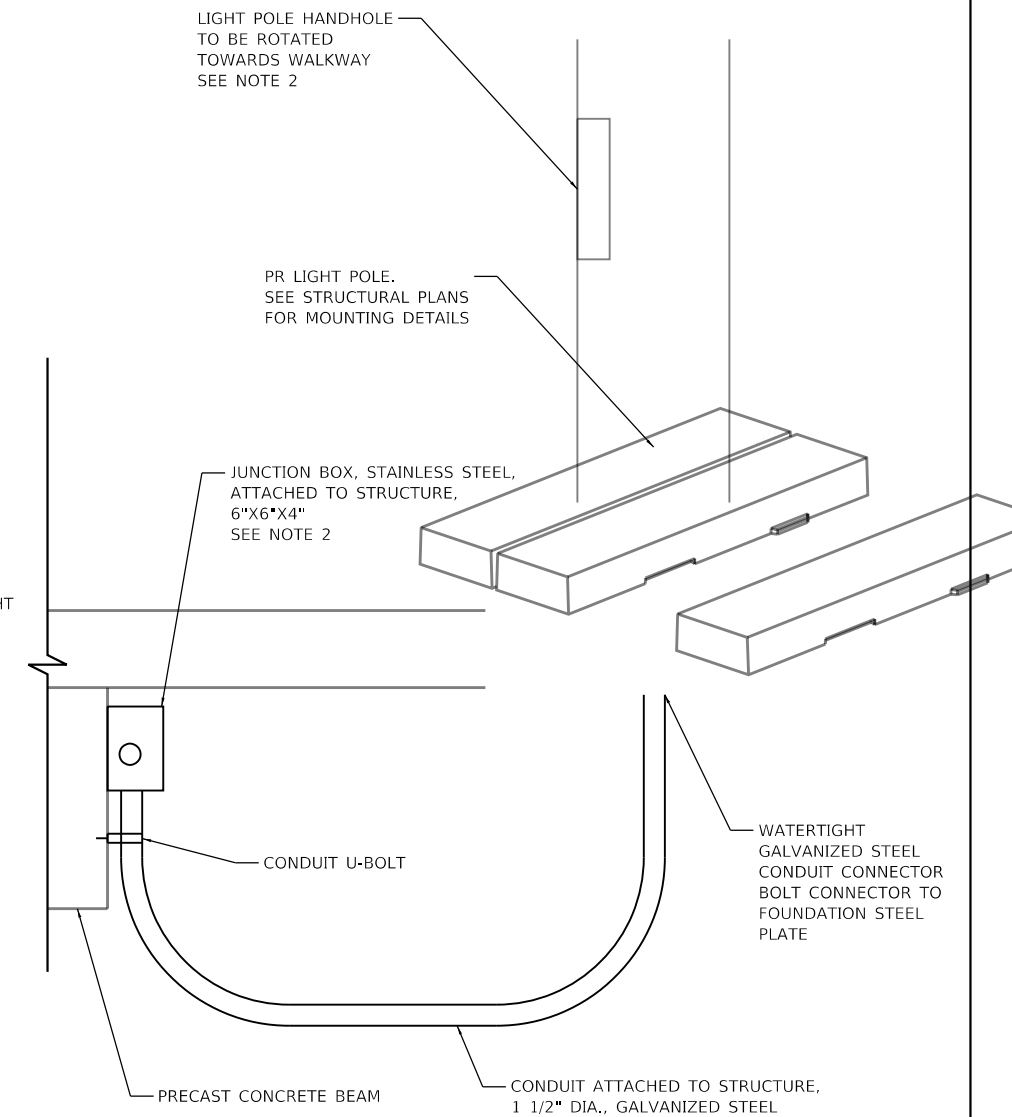
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**NORTH ELEVATION**



**PLAN VIEW**



**SECTION A-A**

**DETAIL A: LIGHT POLE CONNECTION AND JUNCTION BOX BOARDWALK DETAIL, TYPICAL**

N.T.S.

**NOTES:**

1. SEE STRUCTURAL PLANS FOR BOARDWALK DETAILS.
2. WIRING SPLICE FOR LIGHT POLE SHALL BE LOCATED INSIDE LIGHT POLE HANDHOLE. WIRING SHALL NOT BE SPLICED IN 6"x6"x4" JUNCTION BOX.

**TRANSYSTEMS**

USER NAME = lmnainggolan	DESIGNED - BTW	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - BTW	REVISED -
PLOT DATE = 11/3/2023	CHECKED - LGB	REVISED -
	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

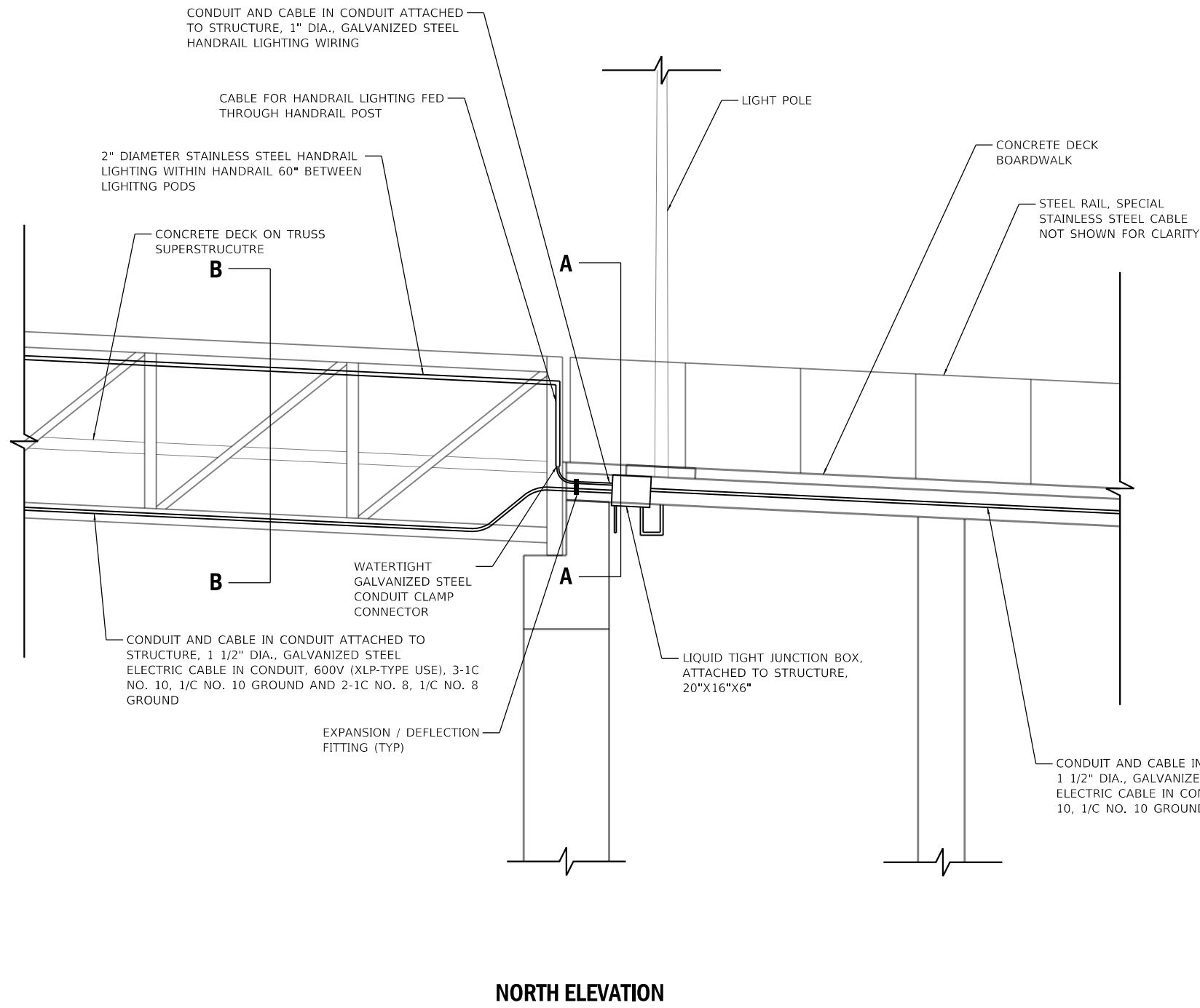
**IL 59 PEDESTRIAN OVERPASS  
LIGHTING DETAILS**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

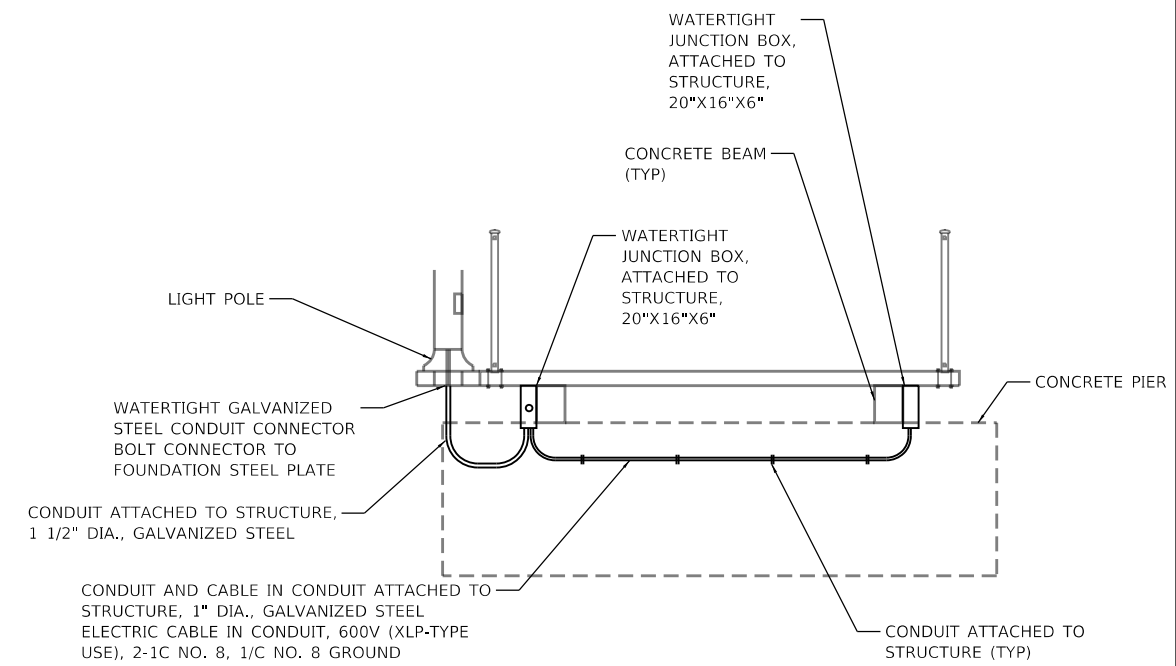
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338	21-00067-00-BR	COOK	96	48
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



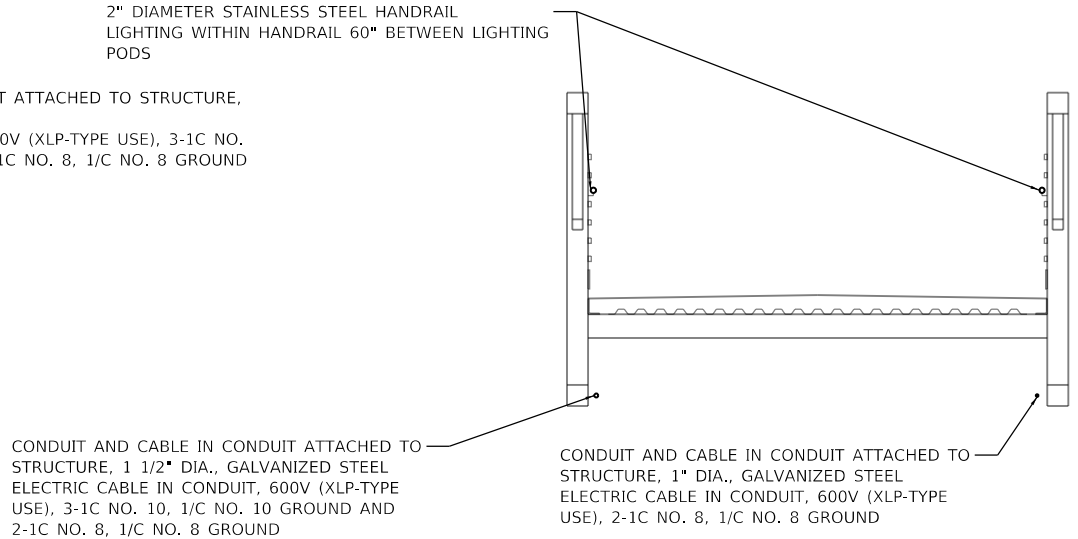
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**NORTH ELEVATION**



**CONCRETE DECK BOARDWALK SECTION SECTION A-A**



**CONCRETE DECK TRUSS SUPERSTRUCTURE SECTION SECTION B-B**

**DETAIL B: JUNCTION BOX AND HANDRAIL WIRING DETAIL**

BRIDGE PIER 38  
N.T.S.

**NOTES:**

- SEE STRUCTURAL PLANS FOR SUPERSTRUCTURE, BOARDWALK, AND ABUTMENT DETAILS.



USER NAME = lmnainggolan	DESIGNED - BTW	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - BTW	REVISED -
PLOT DATE = 11/3/2023	CHECKED - LGB	REVISED -
	DATE - 09/29/23	REVISED -

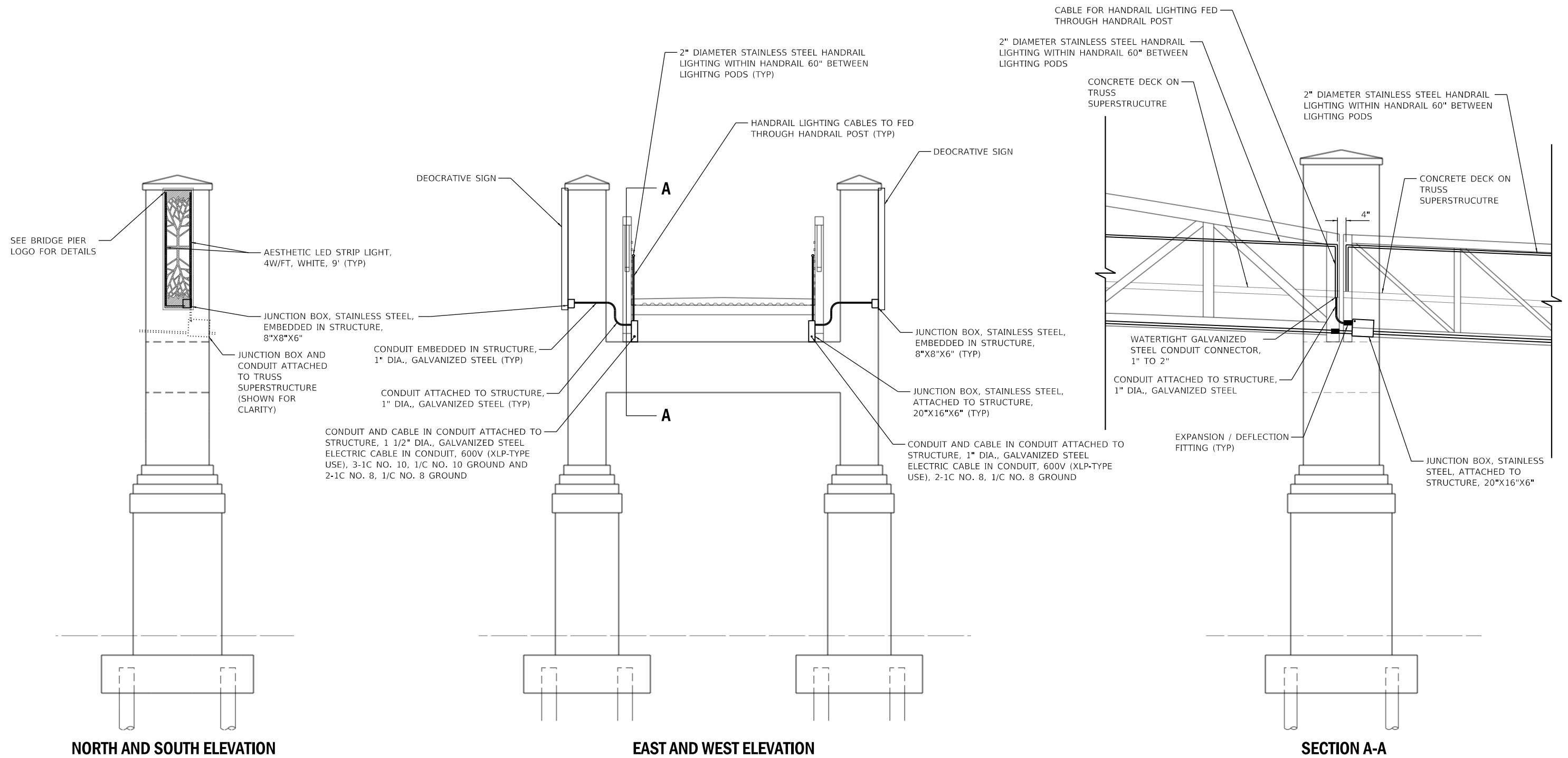
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
LIGHTING DETAILS**

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	49
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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**NORTH AND SOUTH ELEVATION**

**EAST AND WEST ELEVATION**

**SECTION A-A**

**DETAIL C: LED DECORATIVE LIGHTING LOGO DETAIL**

BRIDGE PIERS 35 AND 36  
N.T.S.

**NOTES:**

- SEE BRIDGE PIER DETAILS FOR AESTHETIC AND LOGO DETAILS.
- SEE STRUCTURAL PLANS FOR PIER REINFORCEMENT DETAILS AND DIMMENSIONS.



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PLOT DATE = 11/3/2023	CHECKED - LGB	REVISED -
	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
LIGHTING DETAILS**

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

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**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 LIGHTING DETAILS**

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J67	

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**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	DATE - 09/29/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
 LIGHTING DETAILS**

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J67	

Benchmark: Northwest bolt on hydrant across from Streamwood Oaks Maintenance Building, Elev. 782.61.

Existing Structure: None. IL Rte. 59 (Sutton Rd.) traffic to be maintained utilizing Stage Construction.

No Salvage

**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

2009 AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition, with 2015 Interim Revisions

**DESIGN STRESSES**

**FIELD UNITS**

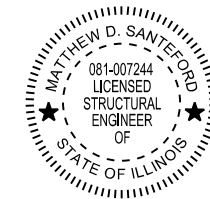
$f'_c = 3,500$  psi  
 $f'_c = 5,000$  psi (Precast)  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50W)  
 $f_y = 50,000$  psi (M270 Grade 50W)

**SEISMIC DATA**

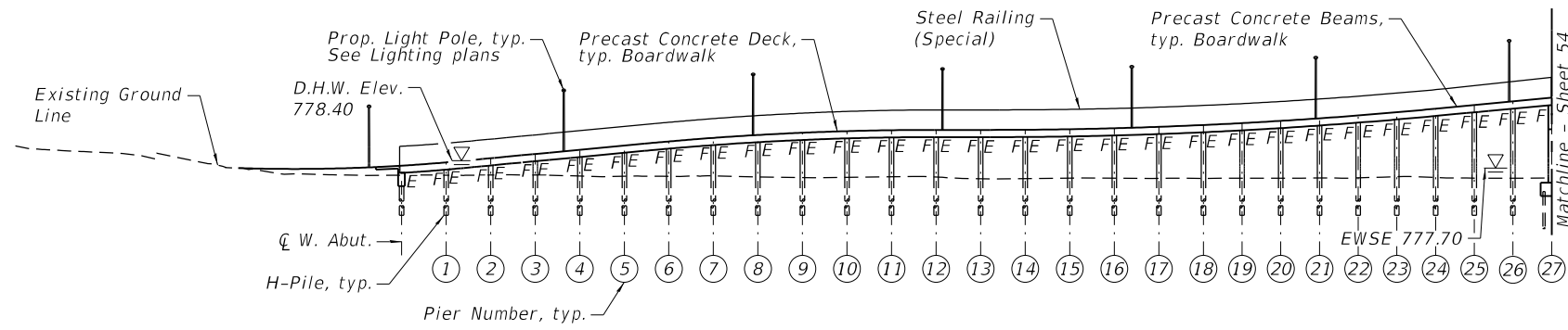
Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.084g  
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.15g  
 Soil Site Class = D

**LOADING**

Pedestrian Live Load = 90 psf  
 Vehicle Live Load = H10



*Matthew D. Santeford*  
 MATTHEW D. SANTEFORD, P.E., S.E.  
 NO. 081-007244  
 EXP. DATE 11/30/2024



**ELEVATION**  
 Scale shown is 1H:2V

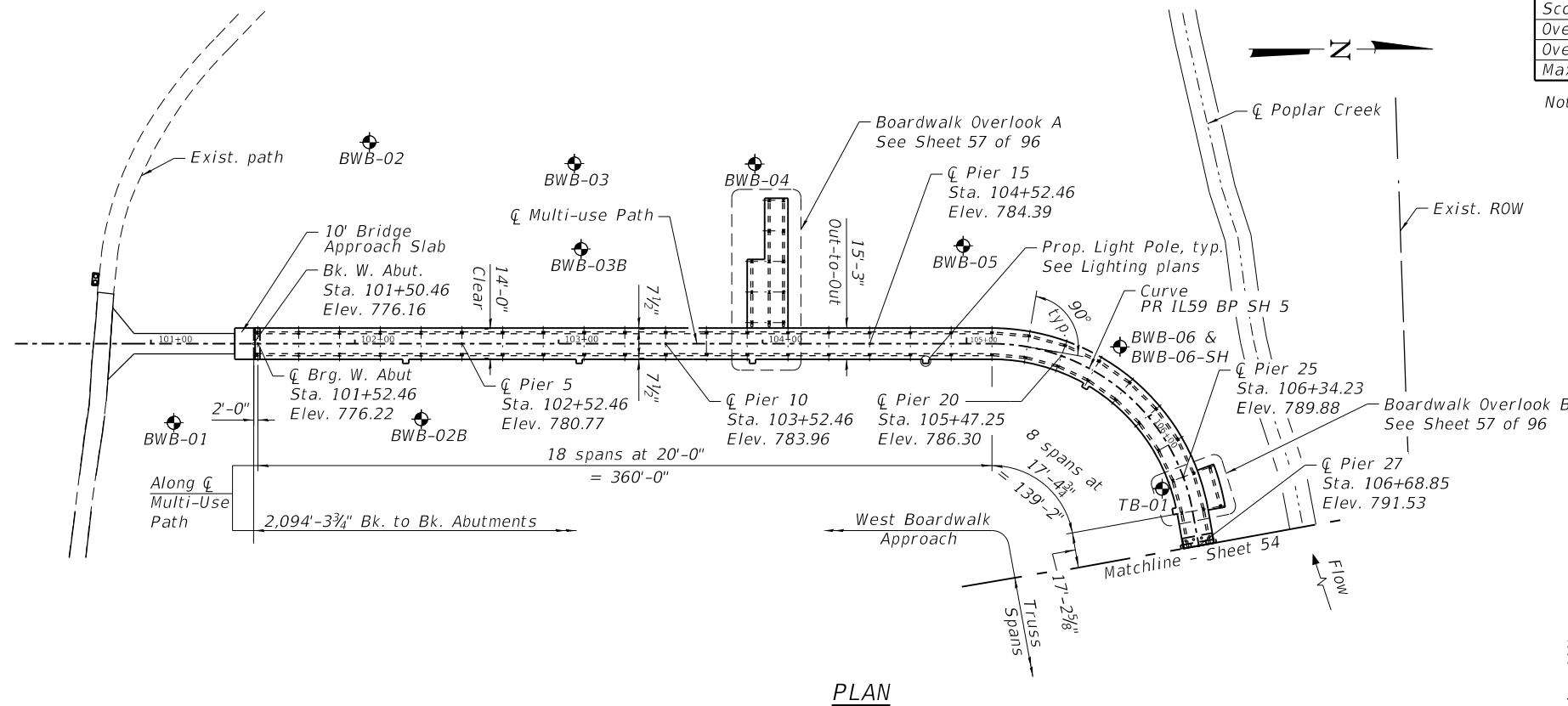
**WATERWAY INFORMATION**

Flood Event	Freq. Yr.	Discharge C.F.S.	Waterway Opening Ft <sup>2</sup>		Natural H.W.E.	Head - Ft.		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	332/269	N/A	N/A	777.5/777.6	N/A	0.0/0.1	N/A	777.5/777.6
Design	30	468/371	N/A	N/A	778.3/778.4	N/A	0.1/0.0	N/A	778.4/778.4
Base	100	673/527	N/A	N/A	779.2/779.2	N/A	0.0/0.1	N/A	779.2/779.3
Scour Design Check	200	827/636	N/A	N/A	779.6/779.7	N/A	0.0/0.0	N/A	779.6/779.7
Overtop Existing									
Overtop Proposed									
Max. Calc.	500	1082/818	N/A	N/A	780.4/780.5	N/A	0.0/0.1	N/A	780.4/780.5

Notes:  
 See table on Sheets 54 thru 55 for pier elevations.  
 Numbers shown as 827/636 represent downstream/upstream values.

**CURVE DATA**

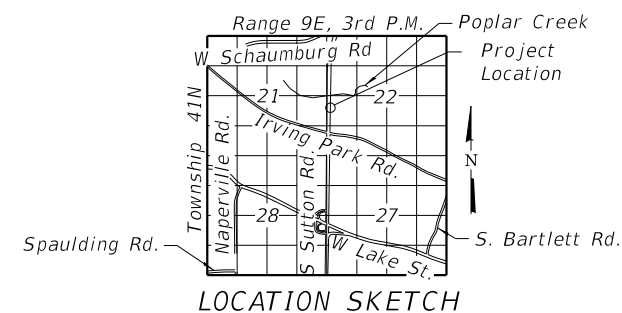
CURVE PR IL59 OP01  
 PI Sta. = 105+95.98  
 $\Delta = 79^\circ 44' 08''$  (RT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 83.52'$   
 $L = 139.16'$   
 $E = 30.29'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 105+12.46$   
 $P.T. STA. = 106+51.63$



**PLAN**

**LEGEND**

- ⊕ Boring Location
- - - Exist. ROW



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION (1 OF 3)**  
**MULTI-USE PATH OVER IL 59 (S. SUTTON RD.)**  
**ALONG POPLAR CREEK IN STREAMWOOD**  
**FAP 338 SECTION 21-00067-00-BR**  
**COOK COUNTY**  
**STATION 50+43.62**  
**STRUCTURE NUMBER 016-8309**

MODEL: Default  
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USER NAME =	Imnaingolan	DESIGNED -	CMG	REVISED -	
CHECKED -	MDS	REVISIONS -			
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PLOT DATE =	11/3/2023	CHECKED -	MDS	REVISED -	

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

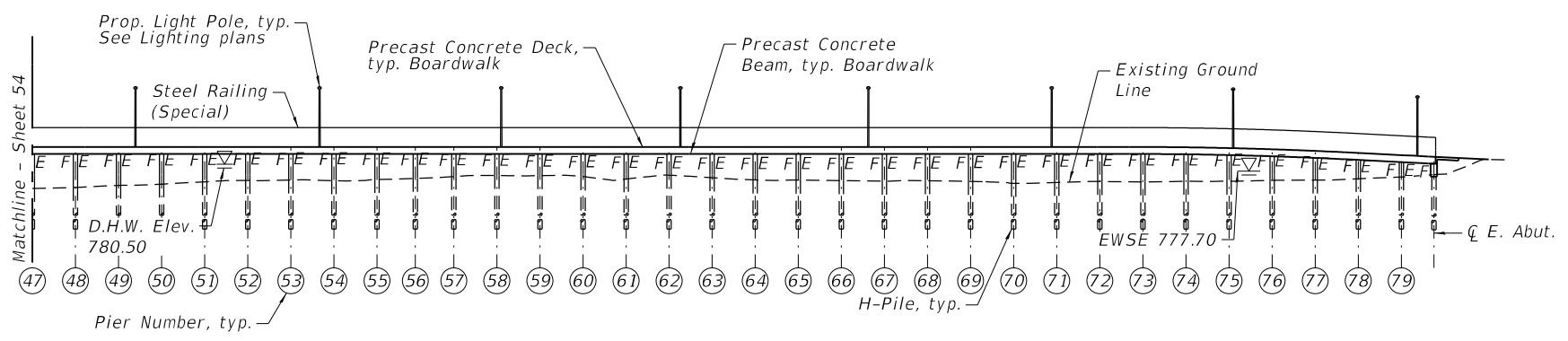
**GENERAL PLAN AND ELEVATION - 1**  
**STRUCTURE NO. 016-8309**

SHEET 1 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	53
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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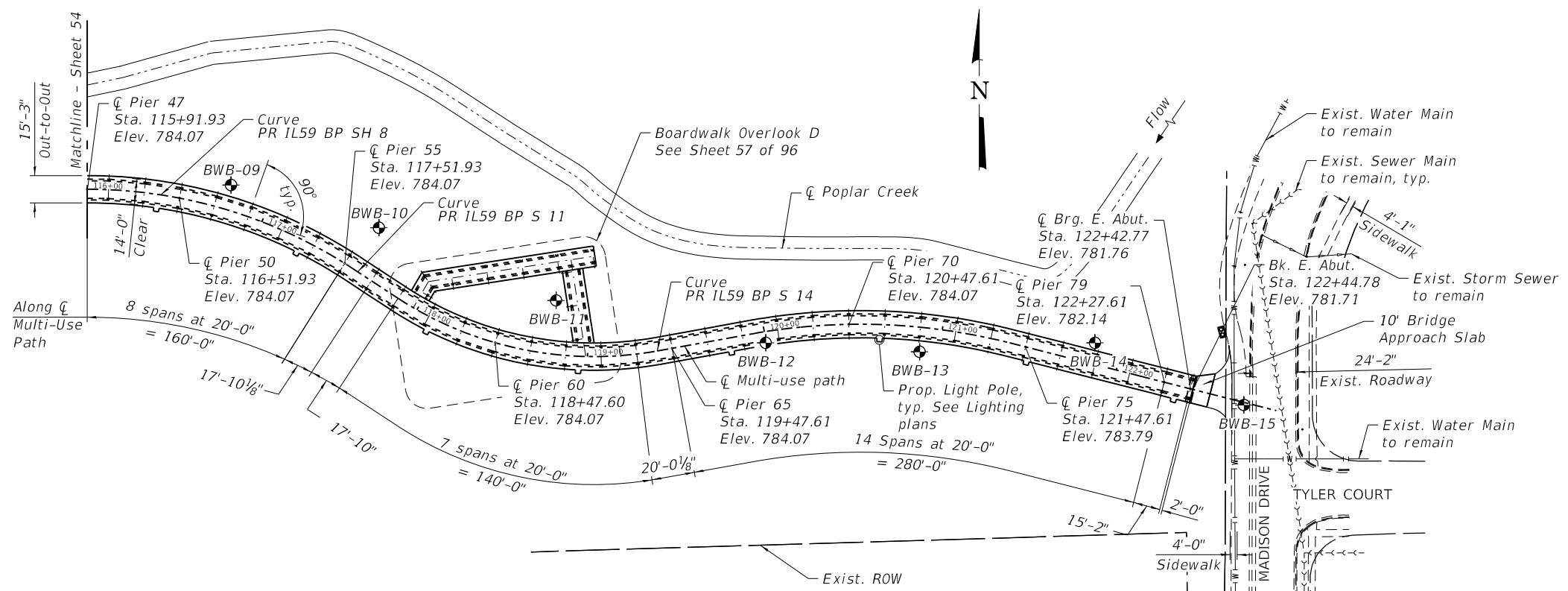


**ELEVATION**  
Scale shown is 1H:2V

**CURVE PR IL59 OP02**  
 PI Sta. = 116+59.57  
 $\Delta = 43^\circ 28' 11''$  (RT)  
 $D = 21^\circ 13' 14''$   
 $R = 270.00'$   
 $T = 107.64'$   
 $L = 204.85'$   
 $E = 20.66'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 115+51.93$   
 $P.T. STA. = 117+56.78$

**CURVE PR IL59 OP03**  
 PI Sta. = 118+67.23  
 $\Delta = 43^\circ 25' 02''$  (LT)  
 $D = 28^\circ 38' 52''$   
 $R = 200.00'$   
 $T = 79.62'$   
 $L = 151.55'$   
 $E = 15.27'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 117+87.60$   
 $P.T. STA. = 119+39.16$

**CURVE PR IL59 OP04**  
 PI Sta. = 120+66.94  
 $\Delta = 24^\circ 27' 54''$  (RT)  
 $D = 16^\circ 51' 06''$   
 $R = 340.00'$   
 $T = 73.71'$   
 $L = 145.18'$   
 $E = 7.90'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 119+93.22$   
 $P.T. STA. = 121+38.40$



**PLAN**

**LEGEND**

- Boring Location
- Exist. Manhole
- Exist. ROW
- Exist. Water Main
- Exist. Sidewalk
- Exist. Storm Sewer
- Exist. Sewer Main
- Exist. Fence

Pier No.	Design Elevations (ft.)				
	Station	Deck Elev. @ $\zeta$ Path	Existing Ground	100-yr Scour Depth	200-yr Scour Depth
Pier 48	116+11.93	784.07	774.70	1.29	1.35
Pier 49	116+31.93	784.07	775.16	1.29	1.35
Pier 50	116+51.93	784.07	775.48	1.29	1.35
Pier 51	116+71.93	784.07	776.00	1.29	1.35
Pier 52	116+91.93	784.07	776.29	1.29	1.35
Pier 53	117+11.93	784.07	776.39	1.29	1.35
Pier 54	117+31.93	784.07	776.23	1.29	1.35
Pier 55	117+51.93	784.07	776.51	1.29	1.35
Pier 56	118+67.61	784.07	776.78	1.29	1.35
Pier 57	118+87.61	784.07	777.23	1.29	1.35
Pier 58	119+07.61	784.07	777.44	1.29	1.35
Pier 59	119+27.61	784.07	777.41	1.29	1.35
Pier 60	118+47.60	784.07	777.10	1.29	1.35
Pier 61	118+67.61	784.07	776.72	1.29	1.35
Pier 62	118+87.61	784.07	777.47	1.29	1.35
Pier 63	119+07.61	784.07	776.89	1.29	1.35
Pier 64	119+27.61	784.07	776.40	1.29	1.35
Pier 65	119+47.61	784.07	776.34	1.29	1.35
Pier 66	119+67.61	784.07	776.22	1.29	1.35
Pier 67	119+87.61	784.07	776.10	1.29	1.35
Pier 68	120+07.61	784.07	776.22	1.29	1.35
Pier 69	120+27.61	784.07	776.15	1.29	1.35
Pier 70	120+47.61	784.07	775.63	1.29	1.35
Pier 71	120+67.61	784.07	775.83	1.29	1.35
Pier 72	120+87.61	784.07	776.02	1.29	1.35
Pier 73	121+07.61	784.07	775.94	1.29	1.35
Pier 74	121+27.61	783.98	776.10	1.29	1.35
Pier 75	121+47.61	783.79	776.12	1.29	1.35
Pier 76	121+67.61	783.50	776.30	1.29	1.35
Pier 77	121+87.61	783.11	776.38	1.29	1.35
Pier 78	122+07.61	782.64	776.72	1.29	1.35
Pier 79	122+27.61	782.14	777.12	1.29	1.35
$\zeta$ Brg. E. Abut.	122+42.78	781.76	777.71	1.29	1.35
Bk. E. Abut.	122+44.78	781.71	777.71	1.29	1.35

**GENERAL PLAN AND ELEVATION (3 OF 3)**  
**MULTI-USE PATH OVER IL 59 (S. SUTTON RD.)**  
**ALONG POPLAR CREEK IN STREAMWOOD**  
**FAP 338 SECTION 21-00067-00-BR**  
**COOK COUNTY**  
**STATION 50+43.62**  
**STRUCTURE NUMBER 016-8309**



USER NAME = Imnaingolan	DESIGNED - CMG	REVISED -
CHECKED - MDS	REVISIONS -	
PLOT SCALE = 0:2,0000 "/>		

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

**GENERAL PLAN AND ELEVATION - 3**  
**STRUCTURE NO. 016-8309**

SHEET 3 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	55
CONTRACT NO. 61J67				

ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

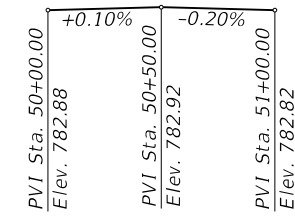
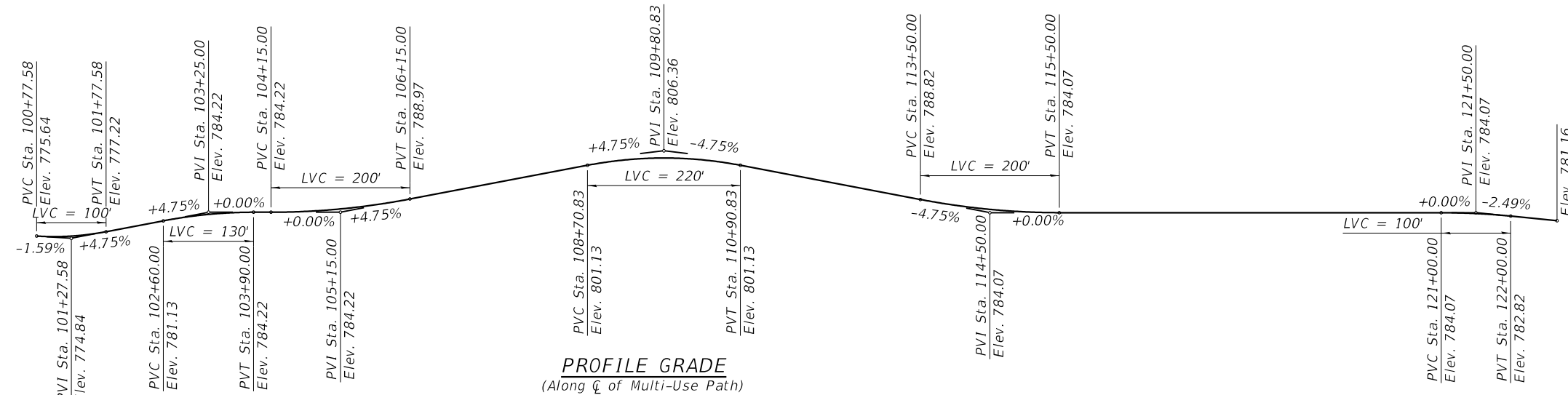
- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolt size shall be determined by the Contractor when not specified.
- All structural steel shall be AASHTO M270 Grade 50 (except the Pedestrian Truss Superstructure which shall be AASHTO M270 Grade 50W and expansion joints which shall be AASHTO M270 Grade 36) unless otherwise noted.
- No field welding is permitted except for attaching steel cap plates to H-Piles and as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to the designated areas of the exposed surfaces of the piers and abutments up to the back of backwall location.
- All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of masked off connection surfaces, H-piles, cap plates, field installed fasteners, and damaged areas shall be touched up in the field. The color of the final finish coat shall be Reddish Brown, Munsell No. 2.5YR 3/4.
- The Contractor shall field verify location of existing utilities prior to construction. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
- All piles with exposed surfaces shall be painted above grade using the paint system as specified in Section 506 of the Standard Specifications.

**INDEX OF SHEETS**

- |                                     |                                |
|-------------------------------------|--------------------------------|
| 1 General Plan and Elevation - 1    | 16 Piers 29 and 30 Details - 2 |
| 2 General Plan and Elevation - 2    | 17 HP Pile Details             |
| 3 General Plan and Elevation - 3    | 18 Metal Shell Pile Details    |
| 4 General Data                      | 19 Soil Boring Logs - 1        |
| 5 Boardwalk Plan                    | 20 Soil Boring Logs - 2        |
| 6 Boardwalk Details                 | 21 Soil Boring Logs - 3        |
| 7 Boardwalk Railing Details         | 22 Soil Boring Logs - 4        |
| 8 Boardwalk Approach Slab Details   | 23 Soil Boring Logs - 5        |
| 9 Boardwalk Foundation Details - 1  | 24 Soil Boring Logs - 6        |
| 10 Boardwalk Foundation Details - 2 | 25 Soil Boring Logs - 7        |
| 11 Piers 27 and 32 Details - 1      | 26 Soil Boring Logs - 8        |
| 12 Piers 27 and 32 Details - 2      | 27 Soil Boring Logs - 9        |
| 13 Piers 28 and 31 Details - 1      | 28 Soil Boring Logs - 10       |
| 14 Piers 28 and 31 Details - 2      | 29 Soil Boring Logs - 11       |
| 15 Piers 29 and 30 Details - 1      | 30 Soil Boring Logs - 12       |

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Sub	Total
Structure Excavation	Cu. Yd.		355	355
Concrete Structures	Cu. Yd.		363.3	363.3
Form Liner Textured Surface	Sq. Ft.		3,528	3,528
Protective Coat	Sq. Yd.	1,011		1,011
Concrete Superstructure (Approach Slab)	Cu. Yd.	7.0		7.0
Furnishing And Erecting Structural Steel	Pound		32,050	32,050
Reinforcement Bars, Epoxy Coated	Pound	1,150	49,220	50,370
Furnishing Metal Shell Piles 12" X 0.250"	Foot		1,421	1,421
Furnishing Metal Shell Piles 14" X 0.312"	Foot		1,540	1,540
Furnishing Steel Piles HP12X53	Foot		2,345	2,345
Furnishing Steel Piles HP14X73	Foot		4,285	4,285
Driving Piles	Foot		9,591	9,591
Test Pile Metal Shells	Each		6	6
Test Pile Steel HP12x53	Each		9	9
Test Pile Steel HP14X73	Each		9	9
Name Plates	Each		1	1
Granular Backfill for Structures	Cu. Yd.		18	18
Concrete Sealer	Sq. Ft.		2,407	2,407
Geocomposite Wall Drain	Sq. Yd.		14	14
Pipe Underdrains For Structures 4"	Foot		31	31
Pedestrian Truss Superstructure	Sq. Ft.	8,778		8,778
Staining Concrete Structures	Sq. Ft.		3,678	3,678
Furnish And Erect Sign Panel	Sq. Ft.	1,854		1,854
Boardwalk Structure	Sq. Ft.	23,323		23,323
Steel Railing (Special)	Foot	3,359		3,359

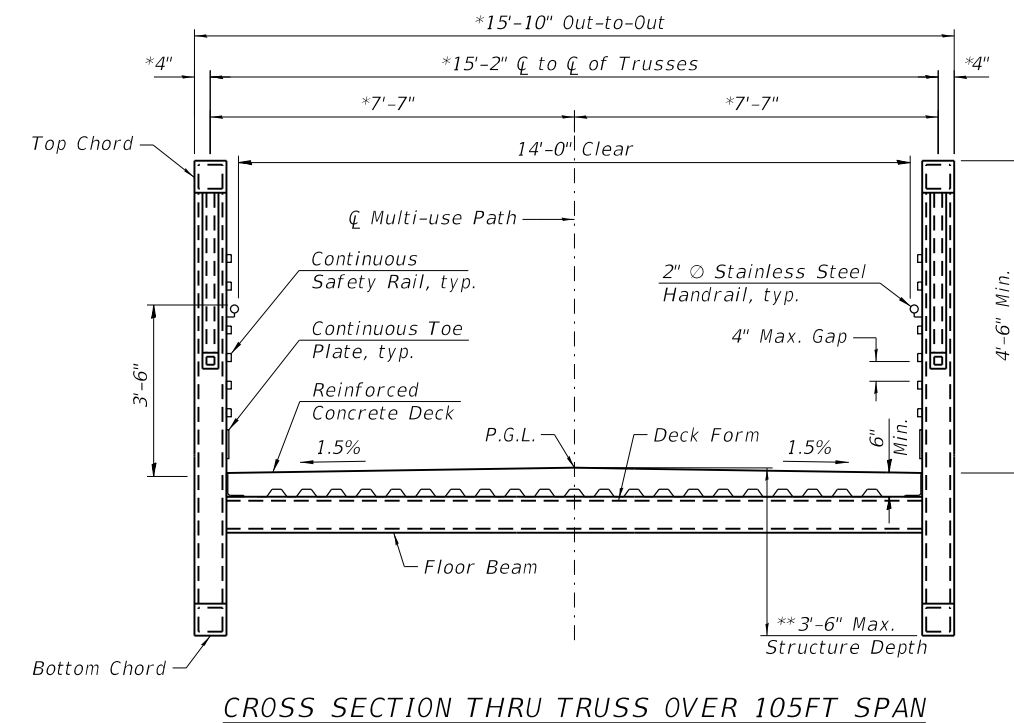
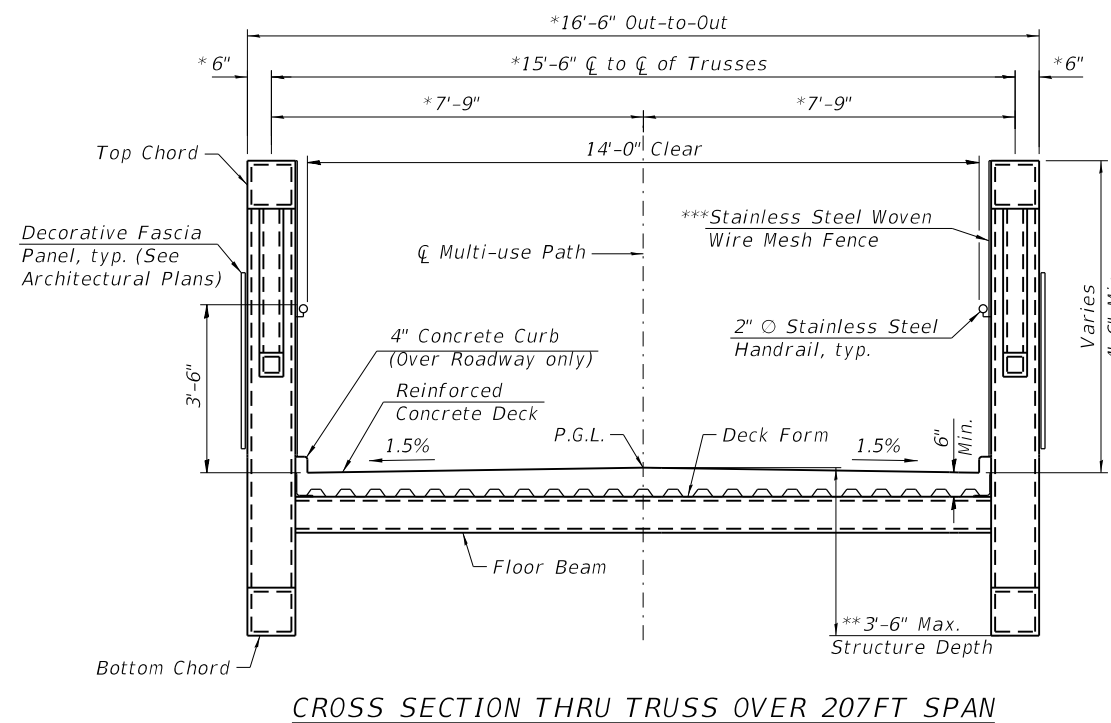


\*\*\*\*  
 BUILT 202\_ BY  
 VILLAGE OF STREAMWOOD  
 SEC. 21-00067-00-BR  
 F.A.P. RT. 338 STA. 50+43.62  
 STR. NO. 016-8309 LOADING H-10

**PROFILE GRADE**  
 (Along C of IL Rte. 59)

**NAME PLATE**  
 See Std. 515001

\*\*\*\* Name of bridge to be furnished by the Village of Streamwood



**TRUSS MANUFACTURER**

The substructure is designed per AASHTO LRFD and based on the assumed truss dead loads (including deck) shown below.  
 Total factored superstructure dead load at Pier 27 = 103,000 pounds  
 Total factored superstructure dead load at Pier 28 = 171,200 pounds  
 Total factored superstructure dead load at Pier 29 = 254,400 pounds  
 Total factored superstructure dead load at Pier 30 = 254,400 pounds  
 Total factored superstructure dead load at Pier 31 = 171,200 pounds  
 Total factored superstructure dead load at Pier 32 = 103,000 pounds  
 Truss manufacturer shall camber the truss as necessary to provide allowance for dead load deflection.  
 Bridge bearing seat elevations are subject to revision based on the approved Pedestrian Truss Superstructure shop drawings. Contractor shall verify all dimensions and elevations with final shop drawings.  
 Truss manufacturer shall provide the reinforced concrete deck design. Concrete deck to utilize stay-in-place galvanized forms. Reinforcement shall be epoxy coated. Contractor shall place the concrete deck after truss is set. Cost included with Pedestrian Truss Superstructure.

- \* Subject to refinement per Truss Manufacturer.
- \*\* Structure depth does not include height of bearing. Truss supplier shall provide joint covers over all open joints between span units and at Piers 27 and 32 (typ. 6 locations).
- \*\*\* Cost included with Pedestrian Truss Superstructure.



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

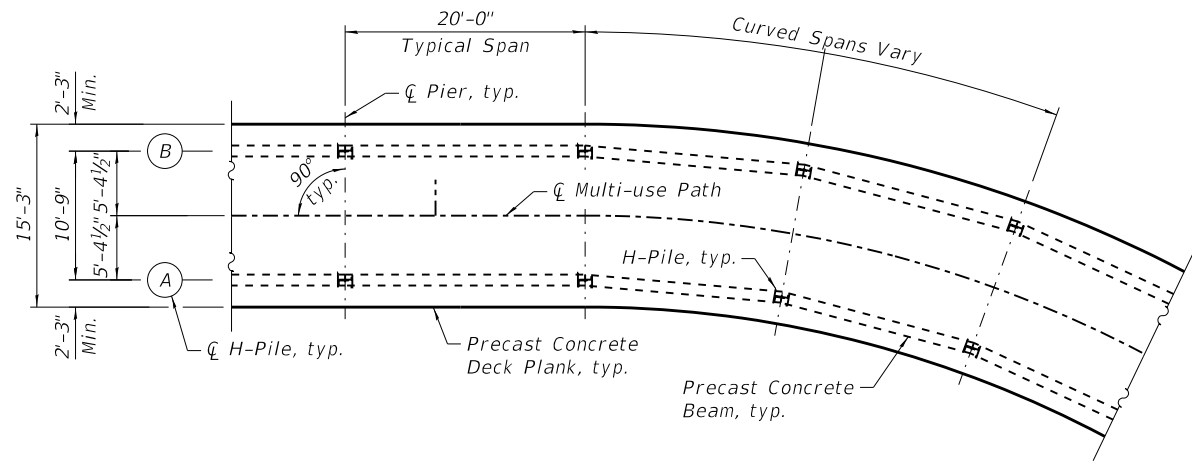
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 STRUCTURE NO. 016-8309**

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CONTRACT NO. 61J67				

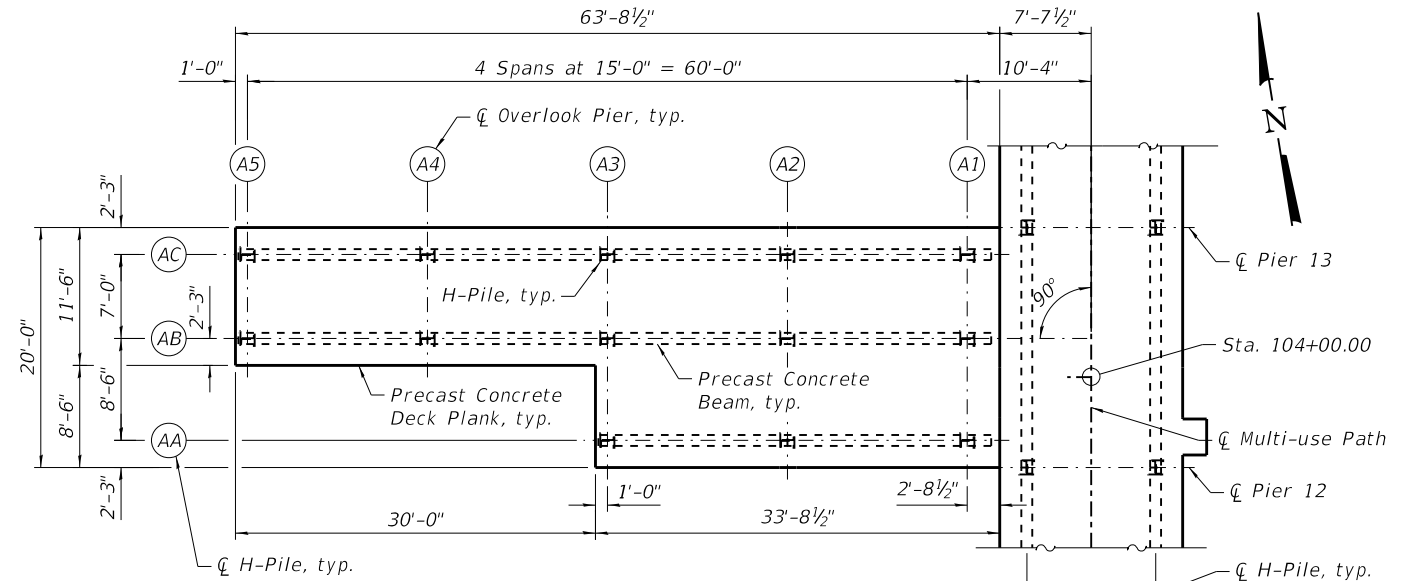
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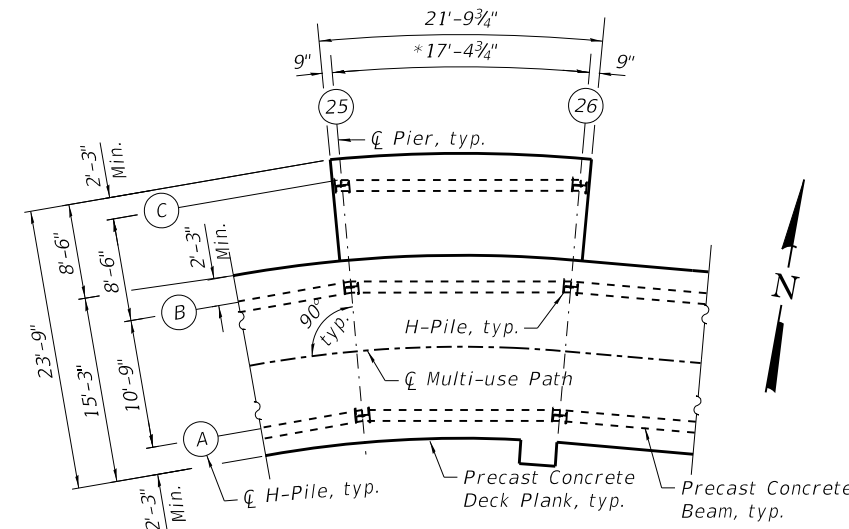
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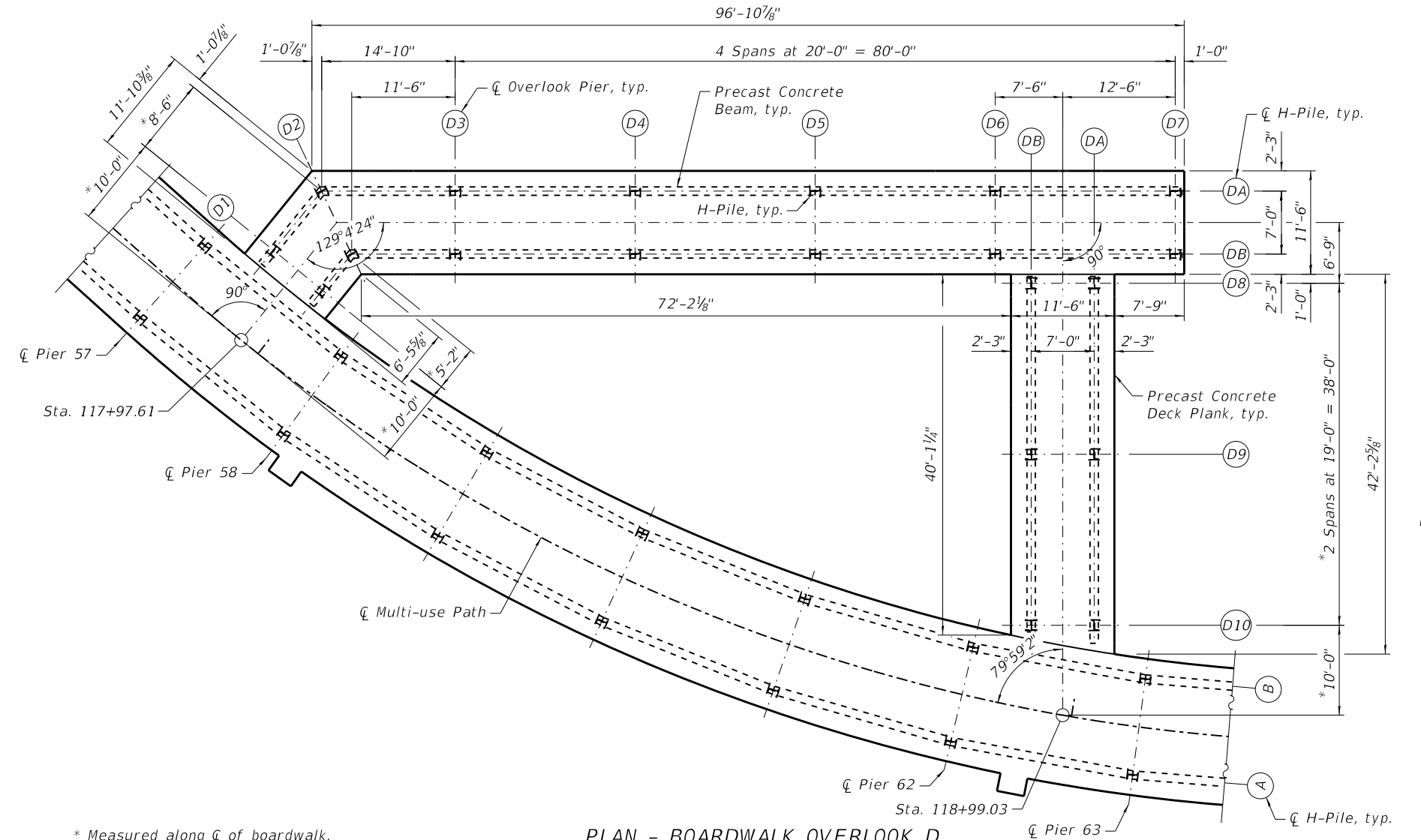
**PLAN - TYPICAL BOARDWALK**  
 (Steel Railing not shown for clarity)



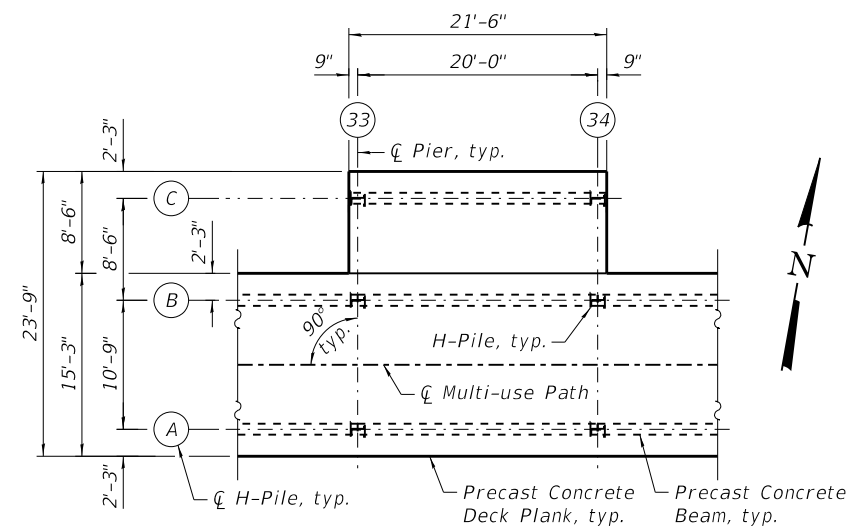
**PLAN - BOARDWALK OVERLOOK A**  
 (Steel Railing not shown for clarity)



**PLAN - BOARDWALK OVERLOOK B**  
 (Steel Railing not shown for clarity)



**PLAN - BOARDWALK OVERLOOK D**  
 (Steel Railing not shown for clarity)



**PLAN - BOARDWALK OVERLOOK C**  
 (Steel Railing not shown for clarity)

\* Measured along  $\phi$  of boardwalk.



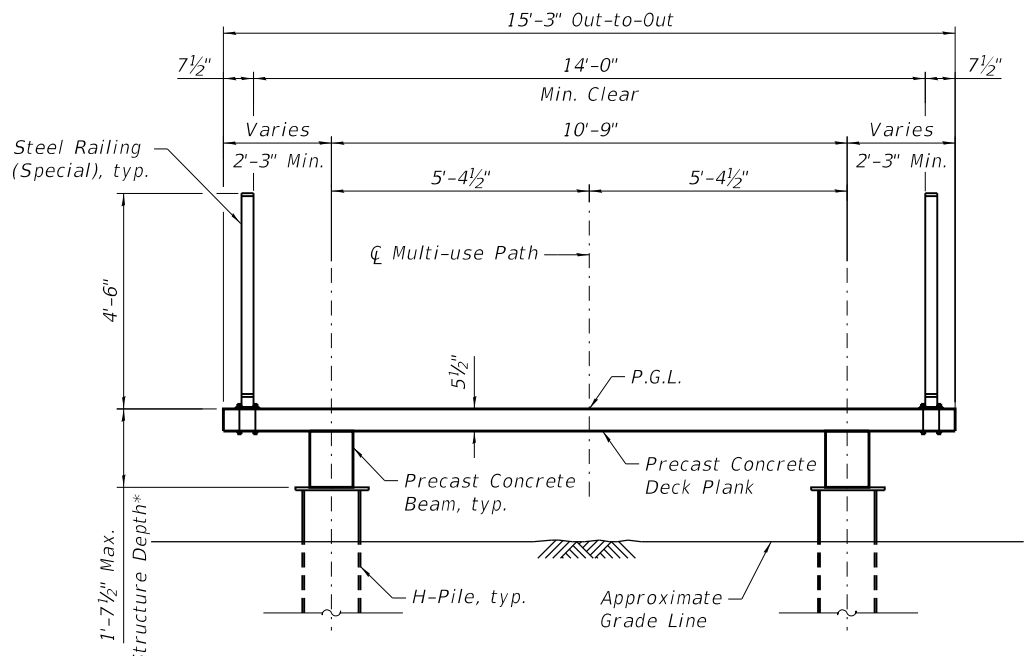
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PLOT DATE =	11/3/2023	DRAWN -	MD	REVISED -	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

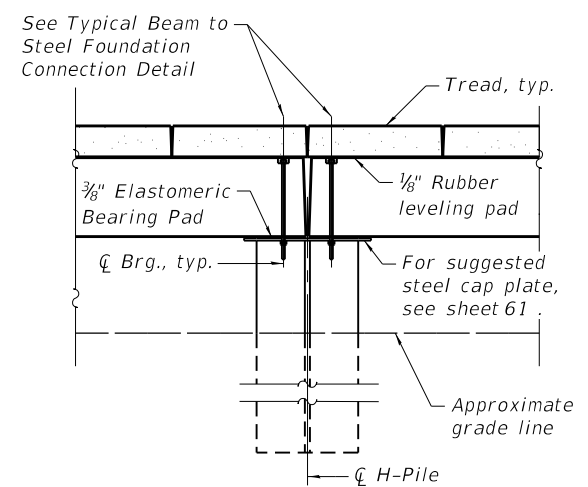
**BOARDWALK PLAN  
 STRUCTURE NO. 016-8309**  
 SHEET 5 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				
ILLINOIS		FED. AID PROJECT		

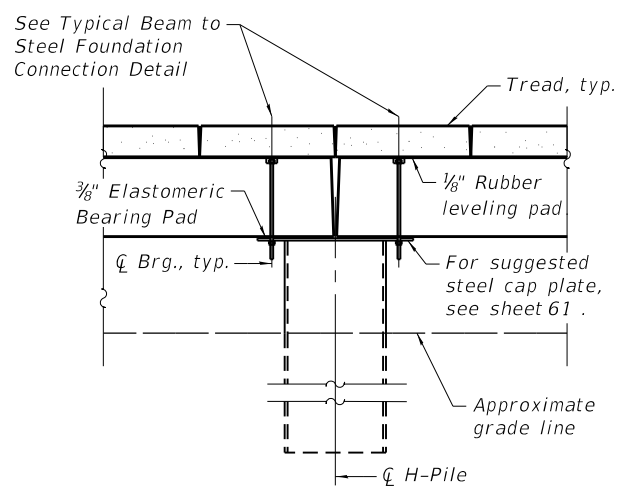
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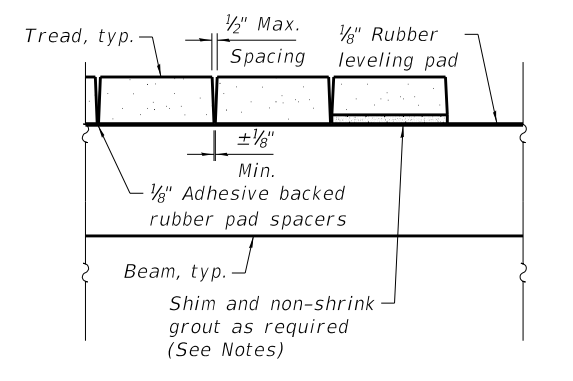
**CROSS SECTION THRU BOARDWALK**  
 \*Subject to refinement per precast manufacturer



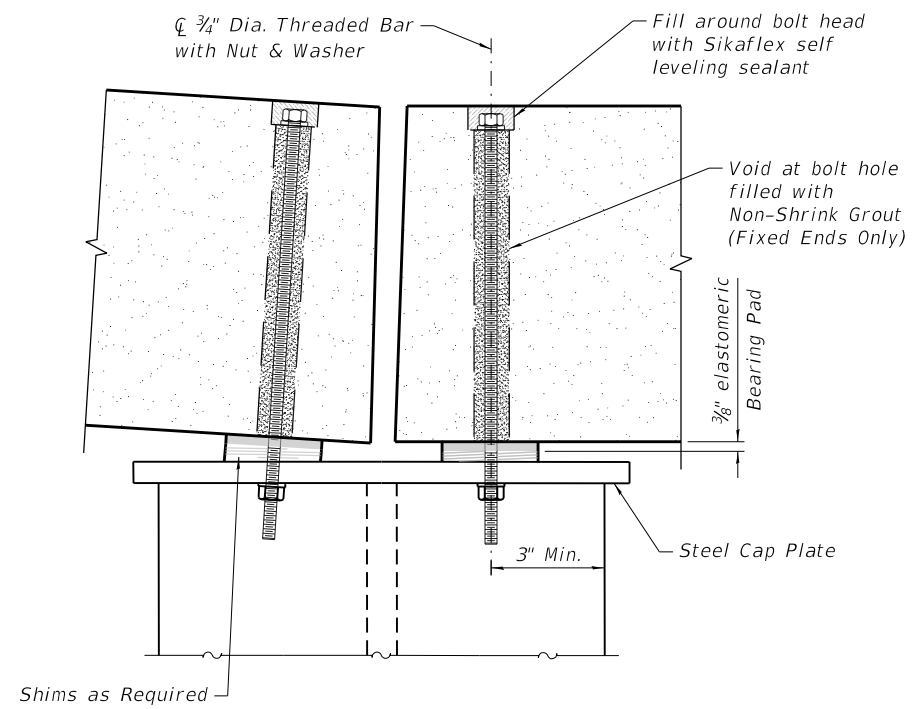
**TYPICAL UNBRACED PIER CONNECTION DETAIL**  
 (Occurs at East Abutment, West Abutment, Piers 1 thru 4, and Piers 76 thru 79)



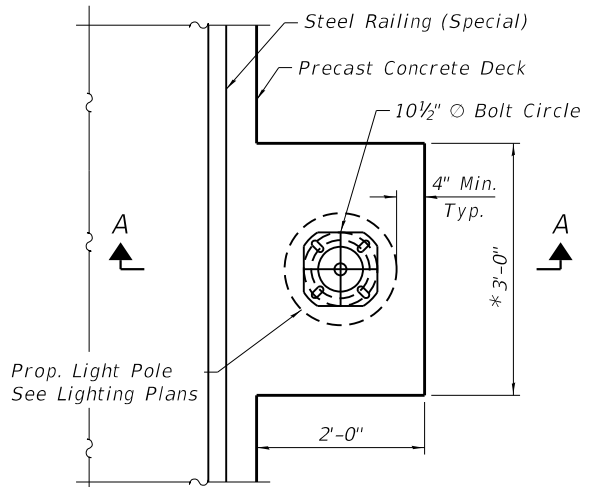
**TYPICAL BRACED PIER CONNECTION DETAIL**  
 (Occurs at Overlooks A, B, C, and D, Piers 5 thru 26, and Piers 33 thru 75)



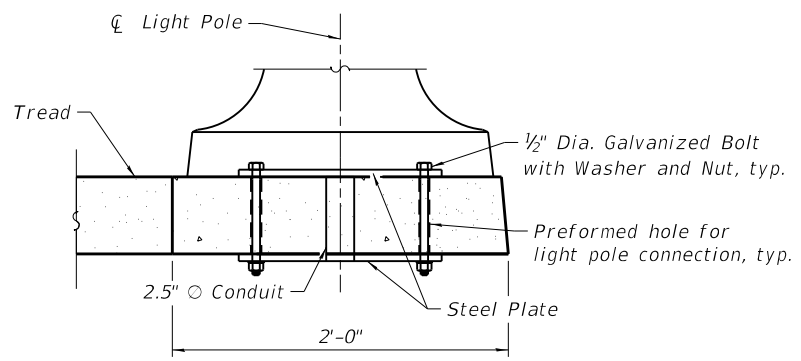
**TYPICAL SHIM/GROUT (UNDER TREAD) & TREAD SPACING DETAIL**



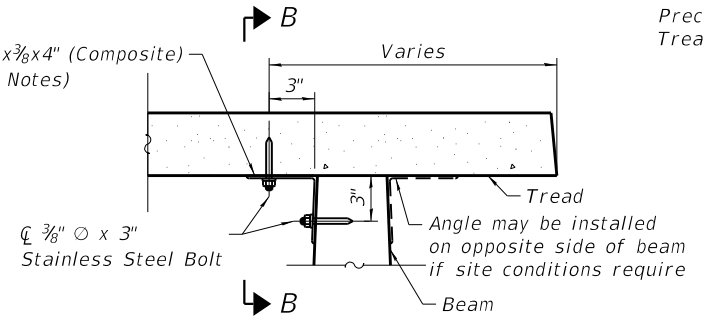
**TYPICAL BEAM TO STEEL PLATE CONNECTION DETAIL**



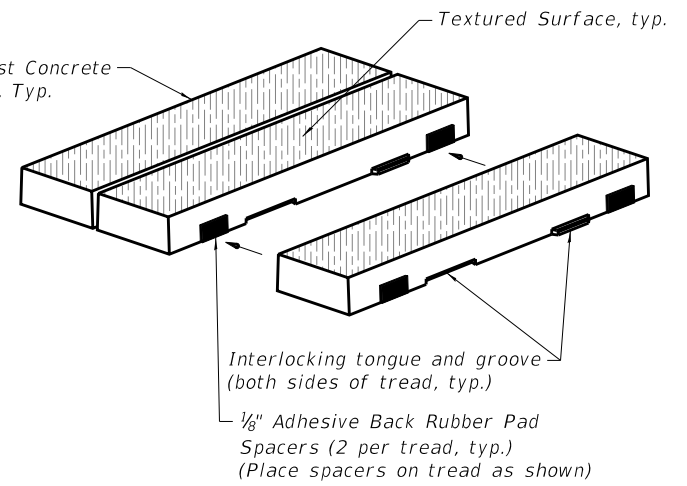
**LIGHT POLE CONNECTION DETAIL**  
 \* To be determined by boardwalk manufacturer



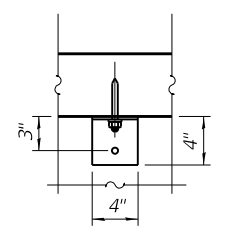
**SECTION A-A**



**TREAD TO BEAM CONNECTION**



**TYPICAL TREAD RUBBER SPACING DETAIL**



**SECTION B-B**

**Notes:**  
 For railing details, see Sheet 59  
 Due to tolerances and variance in precast production and installation accuracy, shimming and grouting may be required. Where required, the entire bearing area and void shall be shimmed and grouted with non-shrink grout.  
 All holes in precast shall be drilled by contractor.  
 Drilled holes in precast shall be 3/8" and installed per manufacturer installation requirements.  
 Two clip angles are required at each tread.  
 Precast tread shall receive a slip resistant integral textured surface. Textured surface shall only appear on the top surface of the treads and shall have no visible seams in any direction.

**BILL OF MATERIAL**

Item	Unit	Quantity
Boardwalk Structure	Sq. Ft.	23,323



USER NAME = Imnaingolan	DESIGNED - CMG	REVISED -
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PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
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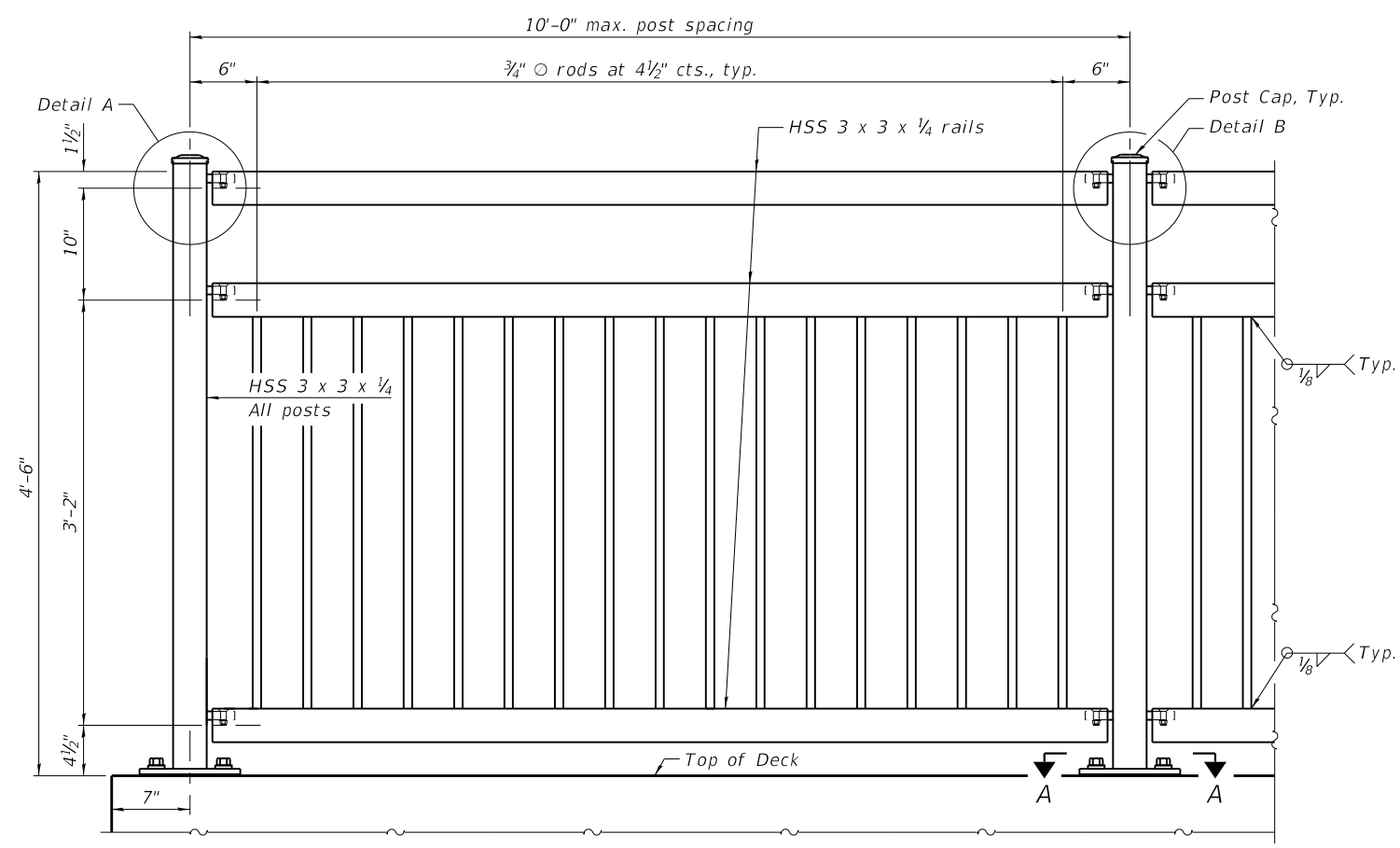
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BOARDWALK DETAILS**  
**STRUCTURE NO. 016-8309**

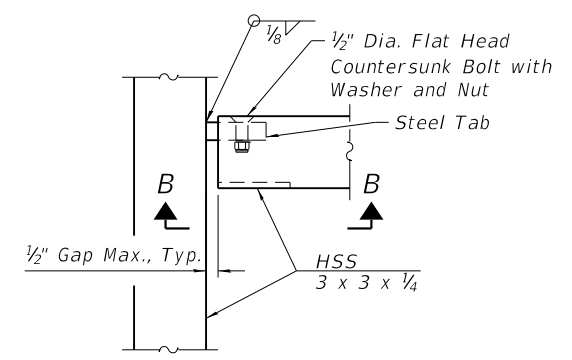
SHEET 6 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

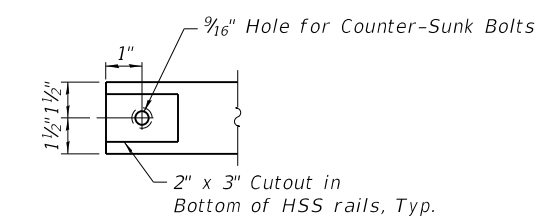
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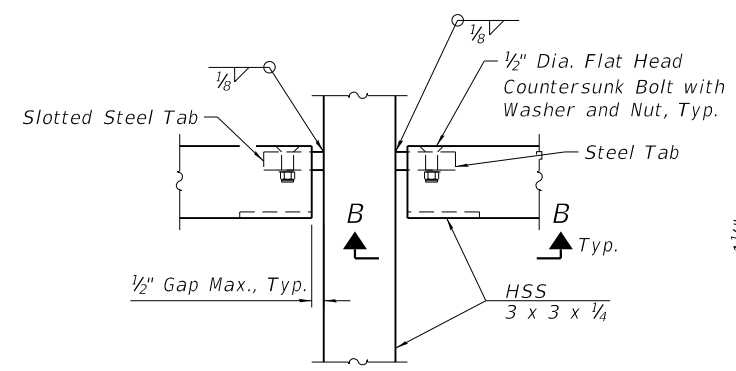
**ELEVATION BICYCLE RAILING**  
 (Inside face)



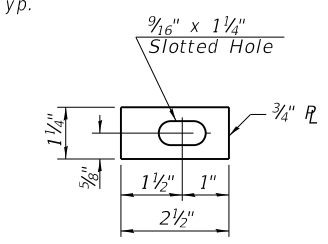
**DETAIL A**



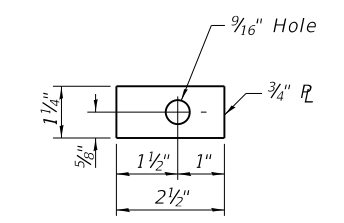
**SECTION B-B**



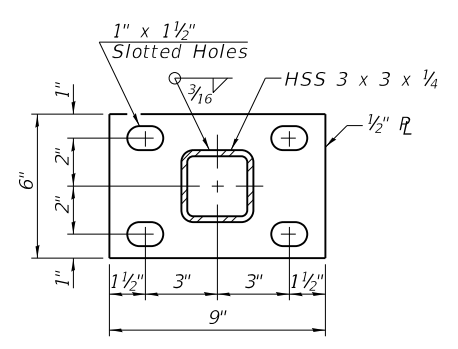
**DETAIL B**



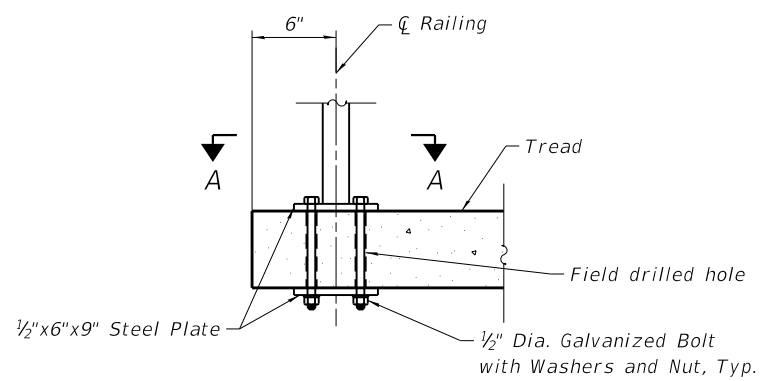
**SLOTTED STEEL TABS**



**STEEL TABS**



**SECTION A-A**



**RAILING POST ATTACHMENT**

**Notes:**  
 It is the responsibility of the contractor for the final design of the steel railing and the required post spacing to be used for the boardwalk, which may require a post spacing that is less than the maximum shown on this sheet.  
 All steel rail elements, including all posts, rail, splices, anchor devices, plates and caps of the railing shall be galvanized according to Article 509.05 of the Standard Specifications and then painted according to Article 506.  
 The Organic Zinc Rich Primer / Epoxy/ Urethane Paint System shall be used for painting of all steel rail elements except where otherwise noted. The color of the final coat for all steel rail elements shall be Federal Standard 34084.  
 All holes in the boardwalk treads shall be drilled by the contractor.  
 Edge distance shown in the details on this sheet are provided as structural minimums. The railing installer is responsible for ensuring that minimum clearance is maintained while installing the railing system.  
 Any damage to treads during field drilling of the railing connection to the treads is the responsibility of the railing installer.

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing (Special)	Foot	3,359

**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
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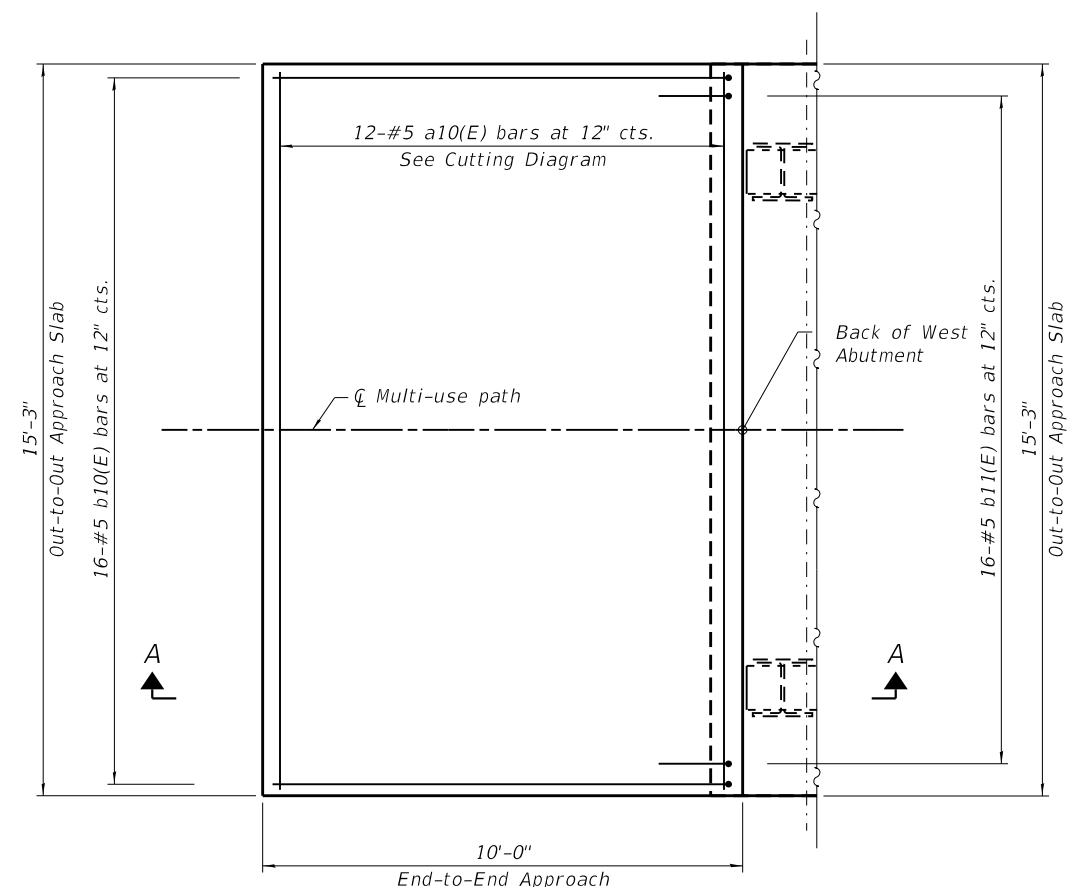
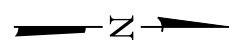
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BOARDWALK RAILING DETAILS  
 STRUCTURE NO. 016-8309**

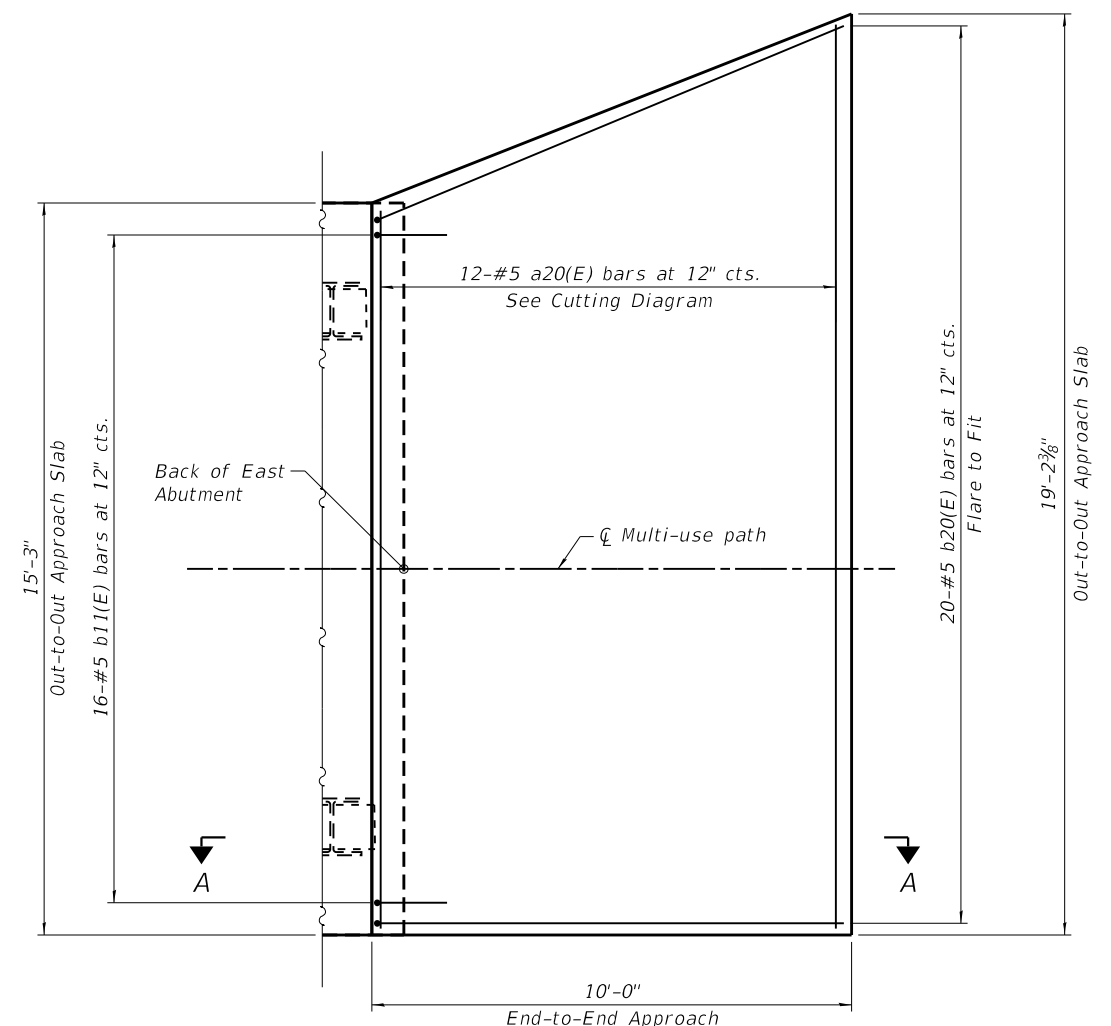
SHEET 7 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

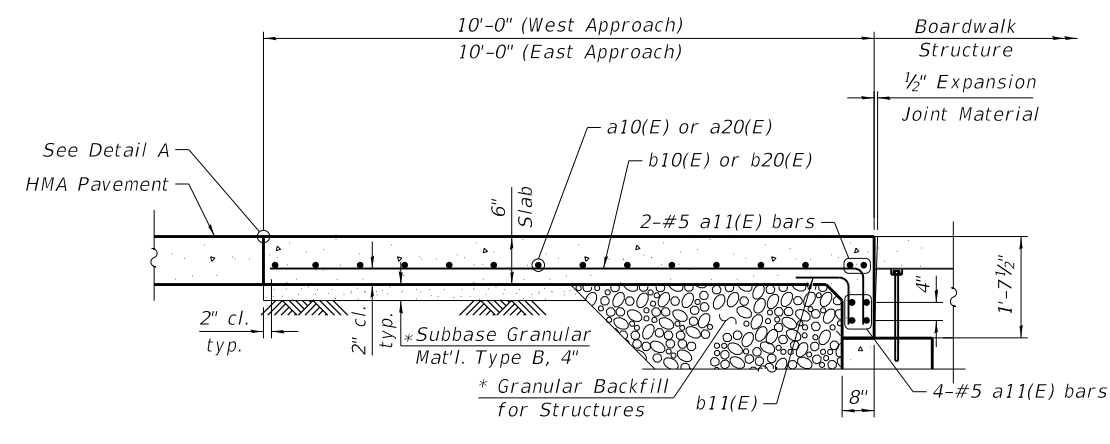
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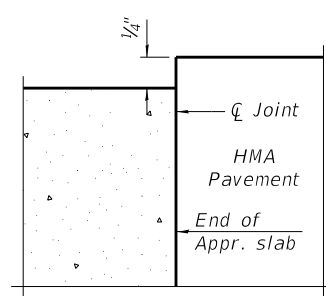
**WEST APPROACH - PLAN**



**EAST APPROACH - PLAN**



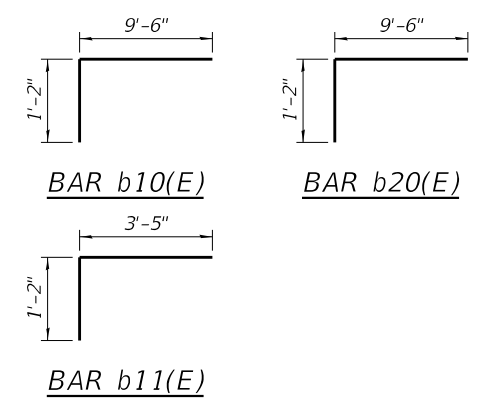
**SECTION A-A** \* Cost included with Concrete Superstructure (Approach Slab)



**DETAIL A**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	12	#5	14'-11"	—
a11(E)	12	#5	14'-11"	—
a20(E)	6	#5	33'-9"	—
b10(E)	16	#5	10'-8"	┌
b11(E)	32	#5	4'-7"	┌
b20(E)	20	#5	10'-8"	┌
Concrete Superstructure (Approach Slab)		Cu. Yd.	7.0	
Reinforcement Bars, Epoxy Coated		Pound	1,150	



Bar	A	B	C	D	E
a20(E)	33'-9"	14'-11"	18'-10"	16'-10"	16'-11"

**BAR CUTTING DIAGRAM**



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
CHECKED - MDS	CHECKED - MDS	REVISED -
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PLOT DATE = 11/3/2023	CHECKED - MDS	REVISED -

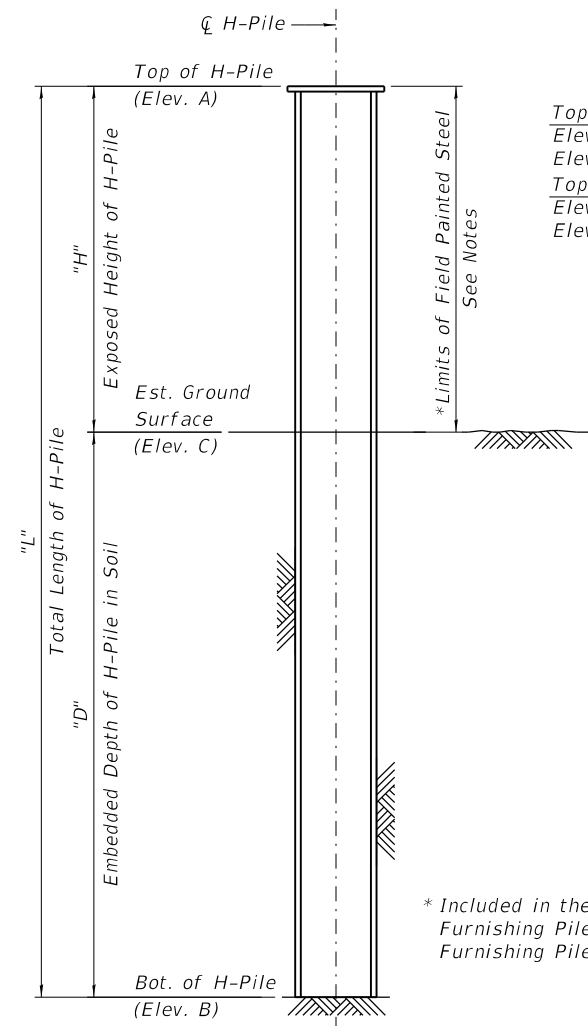
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BOARDWALK APPROACH SLAB DETAILS  
 STRUCTURE NO. 016-8309**

SHEET 8 OF 30 SHEETS

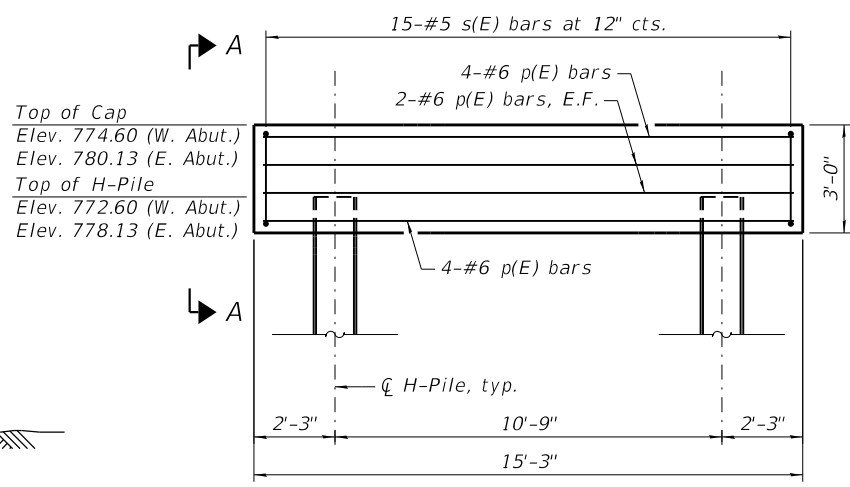
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ILLINOIS FED. AID PROJECT				

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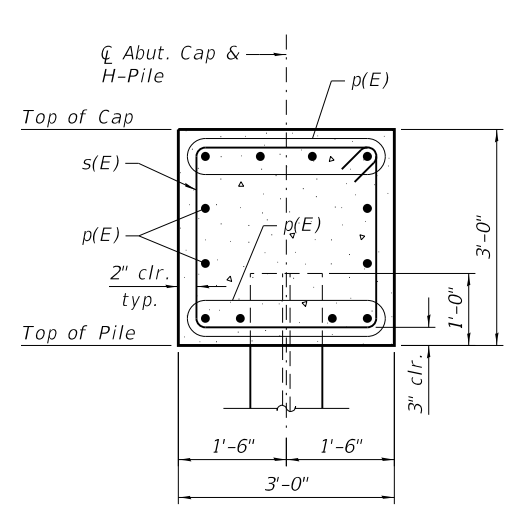


**TYPICAL H-PILE ELEVATION**

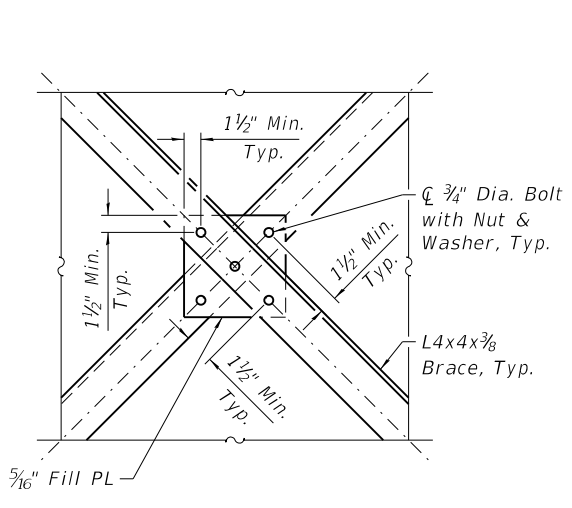
\* Included in the cost of Furnishing Pile HP14x73 or Furnishing Pile HP12x53



**BOARDWALK ABUTMENT ELEVATION**



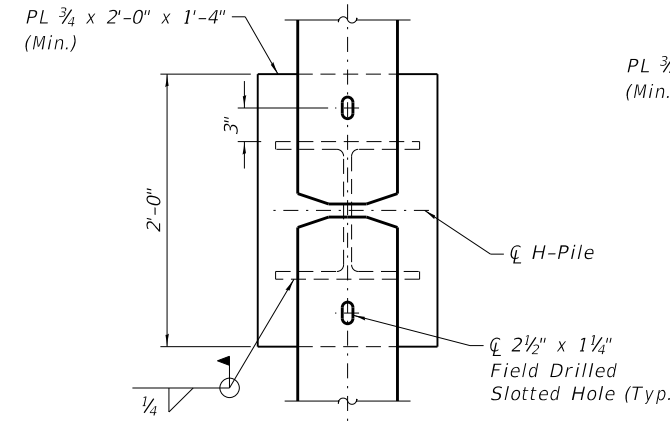
**SECTION A-A**



**BRACED PIER FILL PLATE DETAIL**

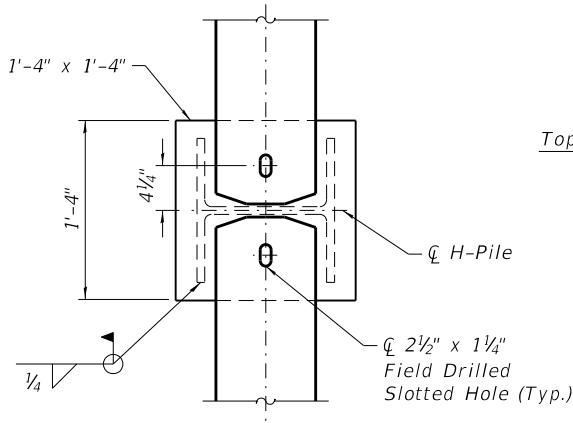
**ABUTMENT  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
p(E)	24	#6	14'-11"	—
s(E)	30	#5	11'-5"	□
Structure Excavation			Cu. Yd.	16
Concrete Structures			Cu. Yd.	10.2
Reinforcement Bars, Epoxy Coated			Pound	900
Granular Backfill for Structures			Cu. Yd.	18
Concrete Sealer			Sq. Ft.	311
Geocomposite Wall Drain			Sq. Yd.	14
Pipe Underdrains for Structures, 4"			Foot	31
Furnishing Steel Piles HP12X53			Foot	120
Driving Piles			Foot	120



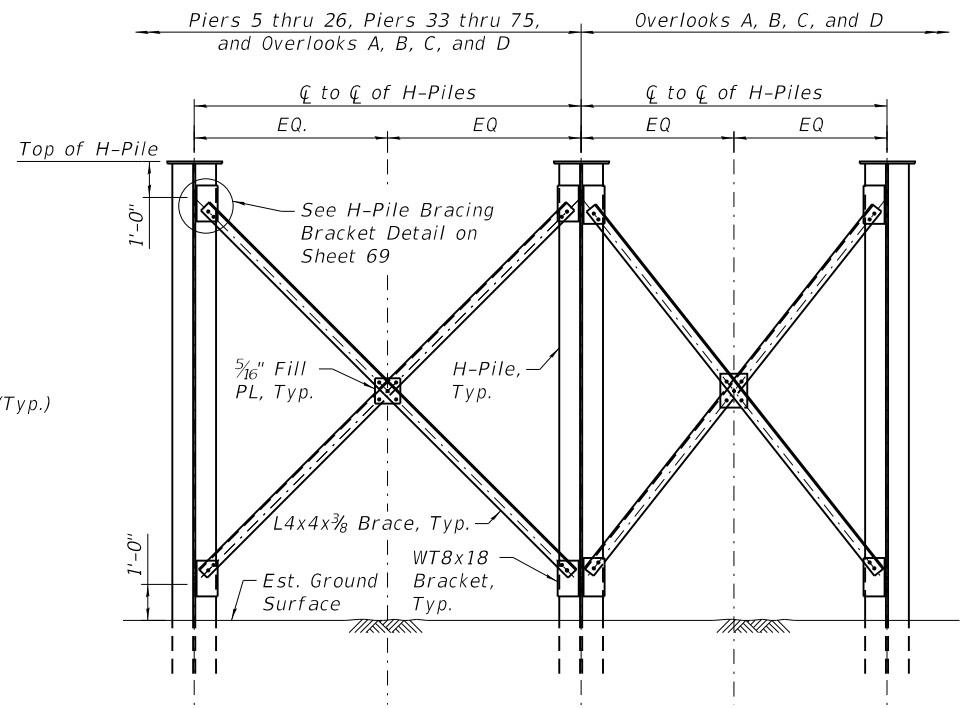
**SUGGESTED STEEL CAP PLATE AT BRACED PIERS**

(See Notes)

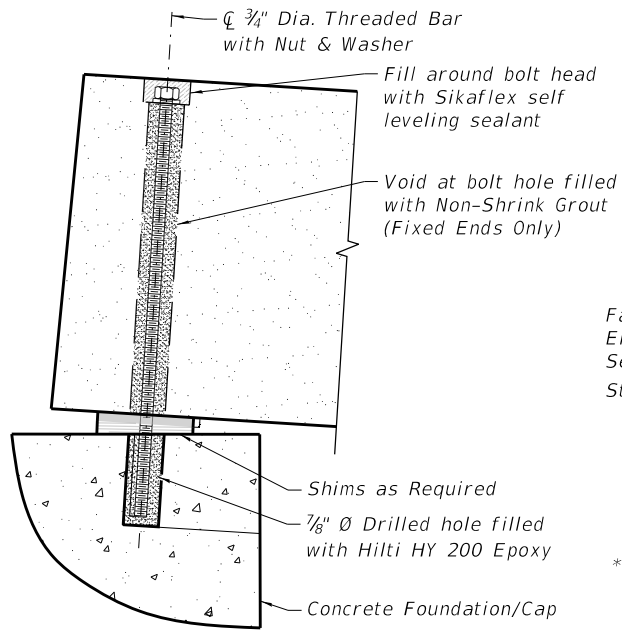


**SUGGESTED STEEL CAP PLATE AT UNBRACED PIERS**

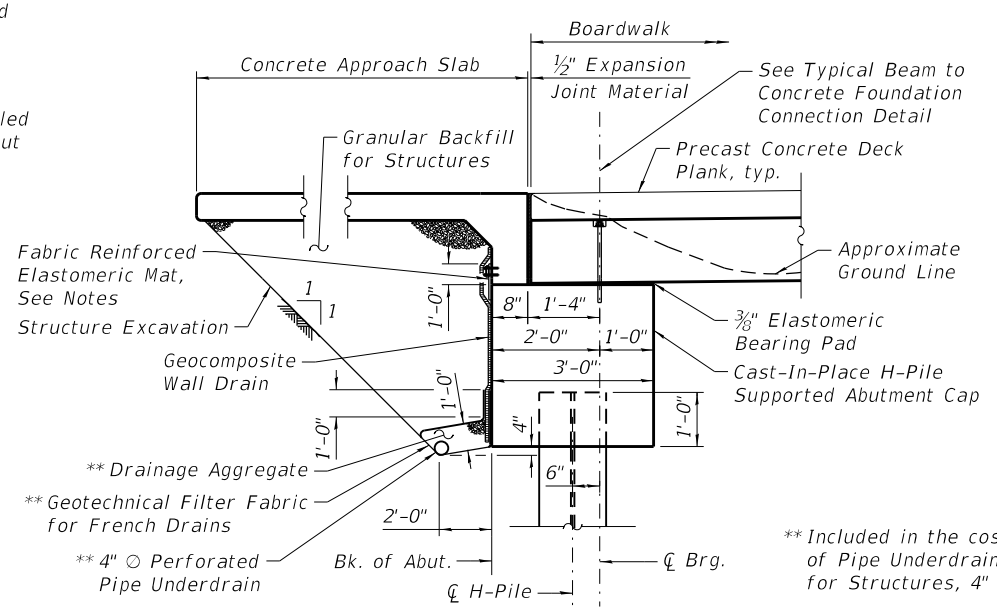
(See Notes)



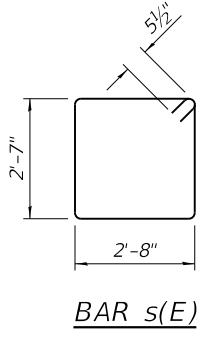
**TYPICAL BRACED PIER ELEVATION**



**TYPICAL BEAM TO CONCRETE FOUNDATION CONNECTION DETAIL**



**TYPICAL SECTION THRU ABUTMENT**



**BAR s(E)**

**Notes:**  
 A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included with Concrete Structures.  
 Fabric Reinforced Elastomeric Mat shall be according to Section 1028 of the Standard Specifications. Fabric mat shall be 24" wide & attached full width and vertically at edges to the abutment cap with a 3/8" x 5" steel plate and 1/2" O studs with nuts and washers at 12" cts. Cost included with Concrete Structures.  
 It is the responsibility of the boardwalk manufacturer for the final design of the steel cap plate attached to the H-piles.  
 The cost of design, furnishing, fabrication, and construction of the steel cap plate is included with Boardwalk Structure.  
 Steel cap plates and all steel H-piles before being driven, shall be shop painted with inorganic zinc-rich primer. Prior to installation of bracing, but after the H-piles are driven and cap plates are permanently affixed, all exposed steel shall be given one complete coat of field paint. All painting shall be according to Section 506. The color of the final finish shall be Reddish Brown, Munsell No. 2.5YR 3/4.



USER NAME =	Imnaingolan	DESIGNED -	CMG	REVISED -	
PLOT SCALE =	5.3333' / in.	CHECKED -	MDS	REVISED -	
PLOT DATE =	11/3/2023	DRAWN -	MD/CMG	REVISED -	
		CHECKED -	MDS	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOARDWALK FOUNDATION DETAILS - 1  
STRUCTURE NO. 016-8309**

SHEET 9 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	61
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

**STEEL PILE SCHEDULE - WEST BOARDWALK APPROACH**

**STEEL PILE SCHEDULE - EAST BOARDWALK APPROACH**

Pier No.	Station	Number of H-Piles	Top of H-Pile (Elev. A)	Bot. of H-Pile (Elev. B)	Est. Ground Surface (Elev. C)	Total Length "L"	Exposed Height "H"	Embedded Depth "D"	Test Pile (Each)	Pile Type Designation	Furnishing & Driving Pile (Foot)
W. Abut.	101+51.96	2	772.60	722.60	774.05	40.00	0.00	40.00	0	HP12X53	80
1	101+72.46	2	775.36	725.36	774.03	40.00	1.33	38.67	0	HP12X53	80
2	101+92.46	2	776.30	726.30	774.08	40.00	2.22	37.78	0	HP12X53	80
3	102+12.46	2	777.25	721.25	774.07	40.00	3.18	36.82	0	HP12X53	80
4	102+32.46	2	778.20	722.20	773.83	40.00	4.37	35.63	1	HP12X53	40
5	102+52.46	2	779.15	723.15	773.80	55.00	5.35	49.65	0	HP14X73	110
6	102+72.46	2	780.07	724.07	773.77	55.00	6.30	48.70	0	HP14X73	110
7	102+92.46	2	780.86	724.86	773.86	55.00	7.00	48.00	0	HP14X73	110
8	103+12.46	2	781.50	725.50	773.61	55.00	7.89	47.11	0	HP14X73	110
9	103+32.46	2	781.99	725.99	773.46	55.00	8.53	46.47	0	HP14X73	110
10	103+52.46	2	782.34	726.34	773.55	55.00	8.79	46.21	1	HP14X73	55
11	103+72.46	2	782.54	726.54	773.71	55.00	8.83	46.17	0	HP14X73	110
12	103+92.46	2	782.60	726.60	773.58	55.00	9.01	45.99	0	HP14X73	110
13	104+12.46	2	782.60	726.60	773.22	55.00	9.38	45.62	1	HP14X73	55
14	104+32.46	2	782.63	726.63	773.27	55.00	9.36	45.64	0	HP14X73	110
15	104+52.46	2	782.76	732.76	773.38	50.00	9.38	40.62	0	HP14X73	100
16	104+72.46	2	782.99	732.99	773.36	50.00	9.63	40.37	0	HP14X73	100
17	104+92.46	2	783.31	733.31	773.35	50.00	9.96	40.04	0	HP14X73	100
18	105+12.46	2	783.72	733.72	773.32	50.00	10.40	39.60	1	HP14X73	50
19	105+29.86	2	784.16	734.16	773.35	65.00	10.81	54.19	0	HP14X73	130
20	105+47.25	2	784.67	734.67	773.37	65.00	11.30	53.70	0	HP14X73	130
21	105+64.65	2	785.25	729.25	773.40	65.00	11.85	53.15	0	HP14X73	130
22	105+82.04	2	785.91	729.91	773.45	65.00	12.46	52.54	0	HP14X73	130
23	105+99.44	2	786.63	730.63	773.72	65.00	12.91	52.09	0	HP14X73	130
24	106+16.84	2	787.43	731.43	773.49	65.00	13.94	51.06	1	HP14X73	65
25	106+34.23	3	788.26	738.26	773.36	50.00	14.90	35.10	0	HP14X73	150
26	106+51.63	3	789.08	739.08	773.38	50.00	15.70	34.30	1	HP14X73	100

Pier No.	Station	Number of H-Piles	Top of H-Pile (Elev. A)	Bot. of H-Pile (Elev. B)	Est. Ground Surface (Elev. C)	Total Length "L"	Exposed Height "H"	Embedded Depth "D"	Test Pile (Each)	Pile Type Designation	Furnishing & Driving Pile (Foot)
33	113+11.93	3	789.01	739.01	774.23	40.00	14.78	25.22	1	HP14X73	80
34	113+31.93	3	788.06	738.06	774.12	40.00	13.94	26.06	0	HP14X73	120
35	113+51.93	2	787.10	737.10	774.29	40.00	12.81	27.19	0	HP14X73	80
36	113+71.93	2	786.21	736.21	774.43	40.00	11.78	28.22	0	HP14X73	80
37	113+91.93	2	785.41	735.41	774.47	40.00	10.94	29.06	0	HP14X73	80
38	114+11.93	2	784.71	744.71	774.30	40.00	10.41	29.59	1	HP14X73	40
39	114+31.93	2	784.10	744.10	774.41	40.00	9.69	30.31	0	HP14X73	80
40	114+51.93	2	783.59	743.59	774.63	40.00	8.96	31.04	0	HP14X73	80
41	114+71.93	2	783.17	743.17	774.69	40.00	8.48	31.52	0	HP14X73	80
42	114+91.93	2	782.85	742.85	774.57	40.00	8.27	31.73	0	HP14X73	80
43	115+11.93	2	782.62	742.62	774.52	40.00	8.10	31.90	0	HP14X73	80
44	115+31.93	2	782.48	742.48	774.28	40.00	8.20	31.80	0	HP14X73	80
45	115+51.93	2	782.45	742.45	774.22	40.00	8.23	31.77	1	HP14X73	40
46	115+71.93	2	782.45	742.45	774.24	40.00	8.21	31.79	0	HP14X73	80
47	115+91.93	2	782.45	742.45	774.44	40.00	8.01	31.99	0	HP14X73	80
48	116+11.93	2	782.45	742.45	774.70	40.00	7.75	32.25	0	HP14X73	80
49	116+31.93	2	782.45	742.45	775.16	40.00	7.29	32.71	0	HP14X73	80
50	116+51.93	2	782.45	757.45	775.48	25.00	6.97	18.03	1	HP12X53	25
51	116+71.93	2	782.45	757.45	776.00	25.00	6.45	18.55	0	HP12X53	50
52	116+91.93	2	782.45	757.45	776.29	25.00	6.16	18.84	0	HP12X53	50
53	117+11.93	2	782.45	757.45	776.39	25.00	6.06	18.94	0	HP12X53	50
54	117+31.93	2	782.45	752.45	776.23	30.00	6.22	23.78	1	HP12X53	30
55	117+51.93	2	782.45	752.45	776.51	30.00	5.94	24.06	0	HP12X53	60
56	118+67.61	2	782.45	752.45	776.78	30.00	5.67	24.33	0	HP12X53	60
57	118+87.61	2	782.45	752.45	777.23	30.00	5.22	24.78	0	HP12X53	60
58	119+07.61	2	782.45	752.45	777.44	25.00	5.01	19.99	0	HP12X53	50
59	119+27.61	2	782.45	752.45	777.41	25.00	5.04	19.96	0	HP12X53	50
60	118+47.60	2	782.45	757.45	777.10	25.00	5.35	19.65	0	HP12X53	50
61	118+67.61	2	782.45	757.45	776.72	25.00	5.73	19.27	0	HP12X53	50
62	118+87.61	2	782.45	757.45	777.47	25.00	4.98	20.02	0	HP12X53	50
63	119+07.61	2	782.45	757.45	776.89	25.00	5.56	19.44	0	HP12X53	50
64	119+27.61	2	782.45	757.45	776.40	25.00	6.05	18.95	0	HP12X53	50
65	119+47.61	2	782.45	757.45	776.34	25.00	6.11	18.89	1	HP12X53	25
66	119+67.61	2	782.45	752.45	776.22	30.00	6.23	23.77	0	HP12X53	60
67	119+87.61	2	782.45	752.45	776.10	30.00	6.35	23.65	0	HP12X53	60
68	120+07.61	2	782.45	752.45	776.22	30.00	6.23	23.77	0	HP12X53	60
69	120+27.61	2	782.45	752.45	776.15	30.00	6.30	23.70	0	HP12X53	60
70	120+47.61	2	782.45	752.45	775.63	30.00	6.82	23.18	1	HP12X53	30
71	120+67.61	2	782.45	752.45	775.83	30.00	6.62	23.38	1	HP12X53	30
72	120+87.61	2	782.45	752.45	776.02	30.00	6.43	23.57	0	HP12X53	60
73	121+07.61	2	782.44	752.44	775.94	30.00	6.50	23.50	0	HP12X53	60
74	121+27.61	2	782.35	752.35	776.10	30.00	6.25	23.75	0	HP12X53	60
75	121+47.61	2	782.16	752.16	776.12	30.00	6.04	23.96	0	HP12X53	60
76	121+67.61	2	781.88	751.88	776.30	30.00	5.58	24.42	1	HP12X53	30
77	121+87.61	2	781.49	751.49	776.38	30.00	5.11	24.89	0	HP12X53	60
78	122+07.61	2	781.01	751.01	776.72	30.00	4.29	25.71	0	HP12X53	60
79	122+27.61	2	780.51	755.51	777.12	20.00	3.39	16.61	1	HP12X53	20
E. Abut.	122+43.28	2	778.13	753.13	777.71	20.00	0.42	19.58	0	HP12X53	40

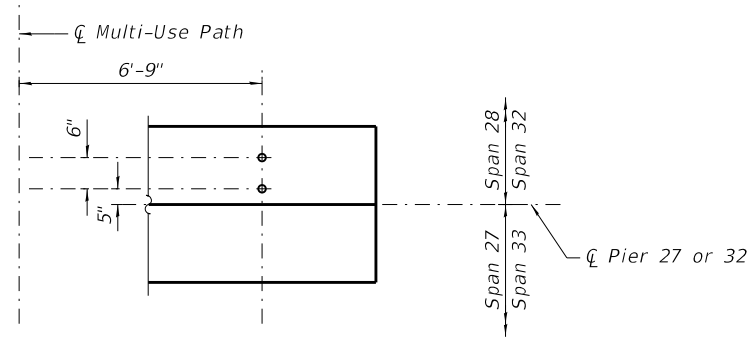
**STEEL PILE SCHEDULE - OVERLOOK D**

**STEEL PILE SCHEDULE - OVERLOOK A**

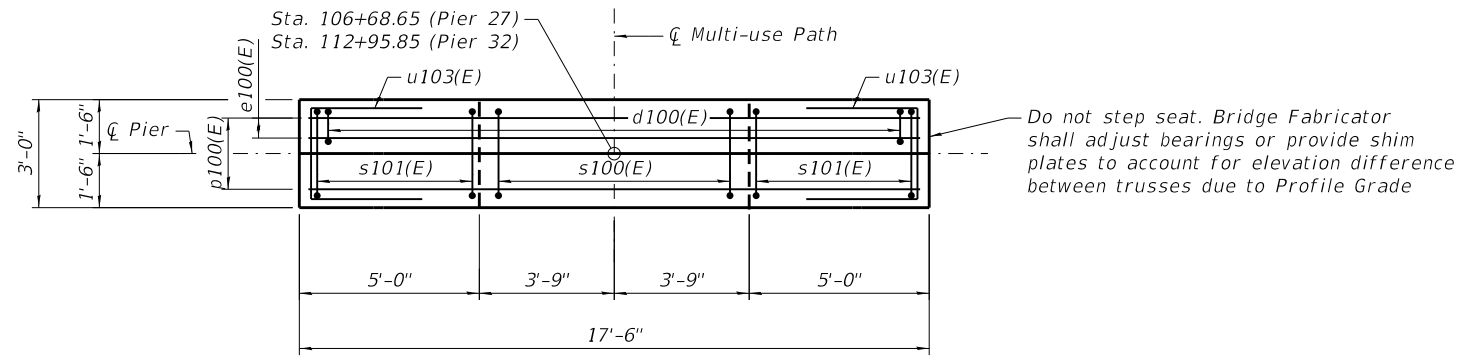
H-Pile No.	Station	Offset	Top of H-Pile (Elev. A)	Bot. of H-Pile (Elev. B)	Est. Ground Surface (Elev. C)	Total Length "L"	Exposed Height "H"	Embedded Depth "D"	Test Pile (Each)	Pile Type Designation	Furnishing & Driving Pile (Foot)
D1-DA	117+93.92	9.97' Lt.	782.45	752.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D1-DB	118+01.29	9.97' Lt.	782.45	752.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D2-DA	117+93.74	18.47' Lt.	782.45	752.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D2-DB	118+01.39	15.13' Lt.	782.45	752.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D3-DA	118+06.91	27.66' Lt.	782.45	752.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D3-DB	118+11.58	21.98' Lt.	782.45	752.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D4-DA	118+26.90	38.73' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D4-DB	118+31.17	32.67' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D5-DA	118+49.58	47.96' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D5-DB	118+53.20	41.55' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D6-DA	118+74.81	55.00' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D6-DB	118+77.50	48.29' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D7-DA	119+02.13	59.52' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D7-DB	119+03.64	52.61' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D8-DA	118+92.59	47.80' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	1	HP12X53	0
D8-DB	118+83.68	46.21' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D9-DA	118+97.16	29.16' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D9-DB	118+89.17	27.74' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D10-DA	119+00.83	10.45' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25
D10-DB	118+93.59	9.17' Lt.	782.45	757.45	777.18	25.00	5.27	19.73	0	HP12X53	25

H-Pile No.	Station	Offset	Top of H-Pile (Elev. A)	Bot. of H-Pile (Elev. B)	Est. Ground Surface (Elev. C)	Total Length "L"	Exposed Height "H"	Embedded Depth "D"	Test Pile (Each)	Pile Type Designation	Furnishing & Driving Pile (Foot)
A											

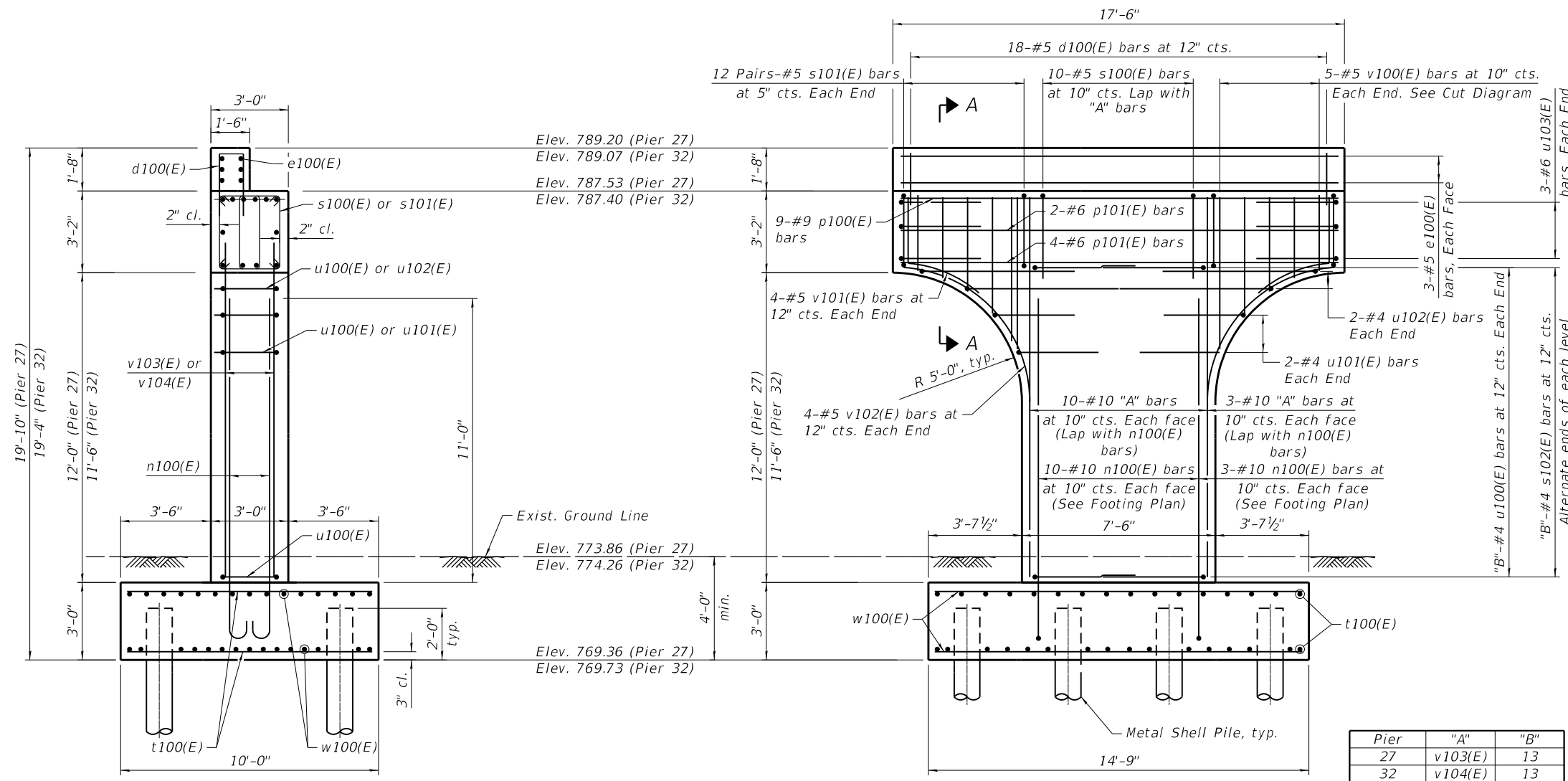
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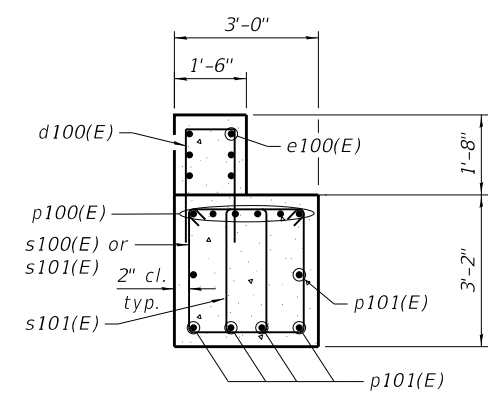
**ANCHOR BOLT LAYOUT**  
 (For information only. See Notes.)



**TOP PLAN**



**ELEVATION**  
 (Looking Upstasion)



**SECTION A-A**

**Notes:**  
 For footing plan, bar bending diagrams, and Bill of Material, see sheet 64.  
 Concrete clear cover shall be 2" minimum unless noted otherwise.  
 Truss fabricator shall determine size and location of anchor bolts. Cost included with Pedestrian Truss Superstructure.  
 All edges shall have standard 3/4" chamfers except as noted.  
 Space reinforcement in cap to miss anchor bolts.  
 For details of piles, see sheet 70.  
 Concrete Sealer shall be applied to all exposed surfaces of the piers.  
 Truss fabricator shall provide a 1" nominal shim pack for each bearing consisting of a 1", 1/2", 1/4" and 2-1/8" shim plates matching the dimensions of the masonry plate provided, including holes for anchor bolts. Cost included in the cost of Pedestrian Truss Superstructure.  
 For Form Liner details, see Architectural Sheets.

Pier	"A"	"B"
27	v103(E)	13
32	v104(E)	13



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
	CHECKED - MDS	REVISED -

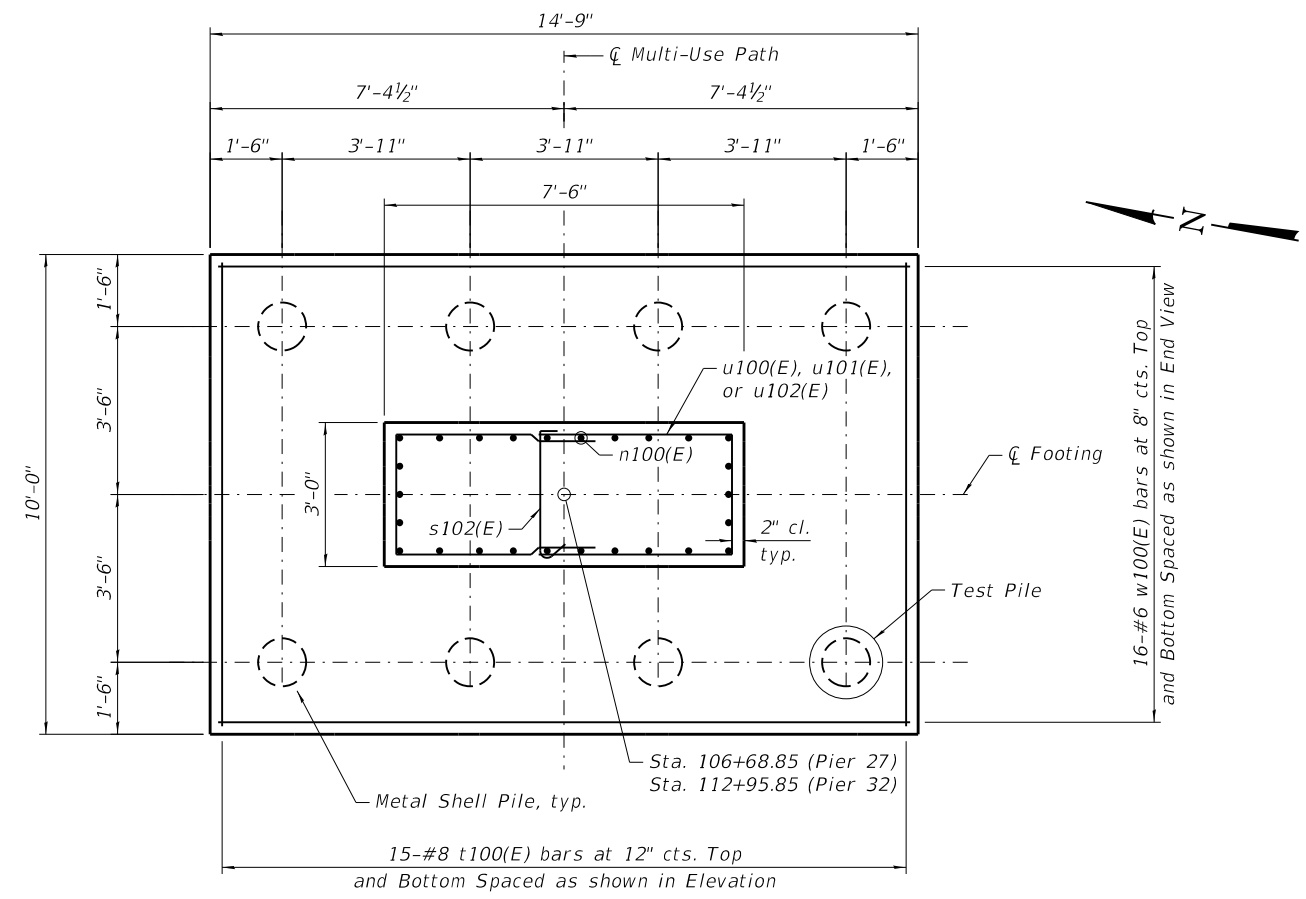
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PIERS 27 AND 32 DETAILS - 1**  
**STRUCTURE NO. 016-8309**

SHEET 11 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	63
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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**FOOTING PLAN**

**PIER #27 PILE DATA**

Type: Metal Shell - 12 in. dia. x 0.250 in. walls  
 Nominal Required Bearing: 392 Kips  
 Factored Resistance Available: 216 Kips  
 Est. Length: 55 ft.  
 No. Production Piles: 7 per Pier  
 No. Test Piles: 1 per Pier

**PIER #32 PILE DATA**

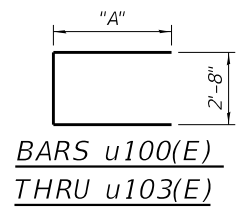
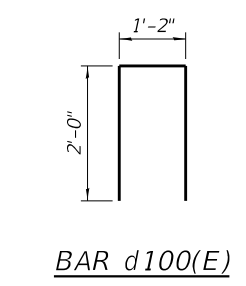
Type: Metal Shell - 12 in. dia. x 0.250 in. walls  
 Nominal Required Bearing: 280 Kips  
 Factored Resistance Available: 154 Kips  
 Est. Length: 45 ft.  
 No. Production Piles: 7 per Pier  
 No. Test Piles: 1 per Pier

**PIER 27 BILL OF MATERIAL**

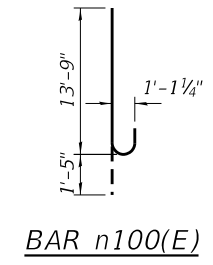
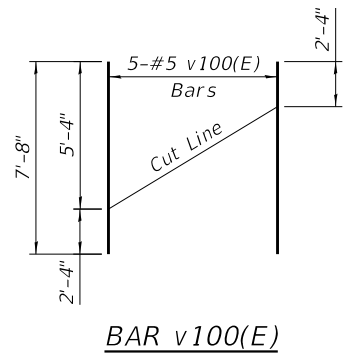
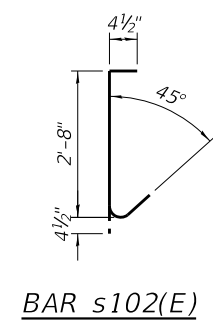
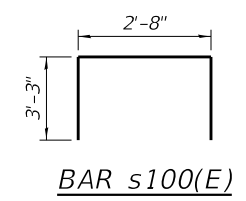
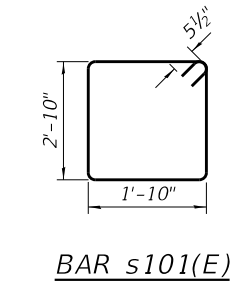
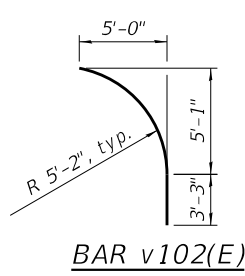
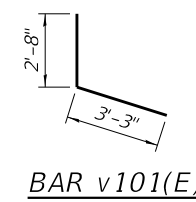
Bar	No.	Size	Length	Shape
d100(E)	18	#5	5'-2"	□
e100(E)	6	#5	16'-11"	—
n100(E)	26	#10	15'-2"	⌋
p100(E)	6	#9	16'-11"	—
p101(E)	6	#6	16'-11"	—
s100(E)	10	#5	9'-2"	□
s101(E)	48	#5	10'-3"	□
s102(E)	13	#5	3'-5"	⌋
t100(E)	30	#8	9'-8"	—
u100(E)	26	#4	13'-2"	⌋
u101(E)	4	#4	9'-10"	⌋
u102(E)	4	#4	14'-10"	⌋
u103(E)	6	#6	10'-4"	⌋
v100(E)	10	#5	7'-8"	—
v101(E)	8	#5	5'-11"	⌋
v102(E)	8	#5	11'-0"	⌋
v103(E)	26	#10	14'-10"	—
w100(E)	32	#6	14'-5"	—
Structure Excavation		Cu. Yd.	44	
Concrete Structures		Cu. Yd.	35.4	
Form Liner Textured Surface		Sq. Ft.	44	
Reinforcement Bars, Epoxy Coated		Pound	6,800	
Furnishing Metal Shell Piles 12" X 0.250"		Foot	385	
Driving Piles		Foot	385	
Test Pile Metal Shells		Each	1	
Concrete Sealer		Sq. Ft.	513	

**PIER 32 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d100(E)	18	#5	5'-2"	□
e100(E)	6	#5	16'-11"	—
n100(E)	26	#10	15'-2"	⌋
p100(E)	6	#9	16'-11"	—
p101(E)	6	#6	16'-11"	—
s100(E)	10	#5	9'-2"	□
s101(E)	48	#5	10'-3"	□
s102(E)	13	#5	3'-5"	⌋
t100(E)	30	#8	9'-8"	—
u100(E)	26	#4	13'-2"	⌋
u101(E)	4	#4	9'-10"	⌋
u102(E)	4	#4	14'-10"	⌋
u103(E)	6	#6	10'-4"	⌋
v100(E)	10	#5	7'-8"	—
v101(E)	8	#5	5'-11"	⌋
v102(E)	8	#5	11'-0"	⌋
v104(E)	26	#10	14'-4"	—
w100(E)	32	#6	14'-5"	—
Structure Excavation		Cu. Yd.	45	
Concrete Structures		Cu. Yd.	35.0	
Form Liner Textured Surface		Sq. Ft.	44	
Reinforcement Bars, Epoxy Coated		Pound	6,740	
Furnishing Metal Shell Piles 12" X 0.250"		Foot	315	
Driving Piles		Foot	315	
Test Pile Metal Shells		Each	1	
Concrete Sealer		Sq. Ft.	503	



Bar	"A"
u100(E)	5'-3"
u101(E)	3'-7"
u102(E)	6'-1"
u103(E)	3'-10"



**MINIMUM BAR LAP**

Bar	Lap
#4	2'-7"
#5	3'-3"
#10	10'-10"

Note:  
See Sheet 63 for Elevation and End View of Pier



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

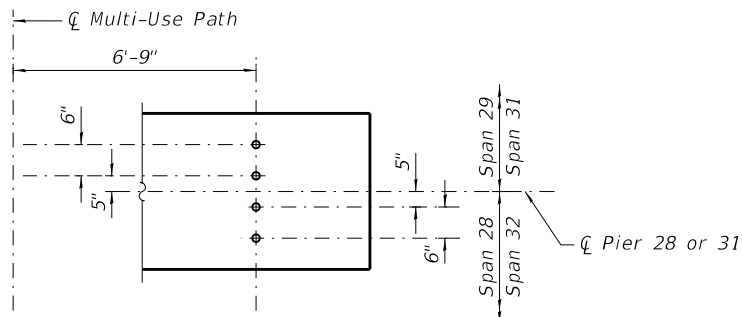
**PIERS 27 AND 32 DETAILS - 2  
STRUCTURE NO. 016-8309**

SHEET 12 OF 30 SHEETS

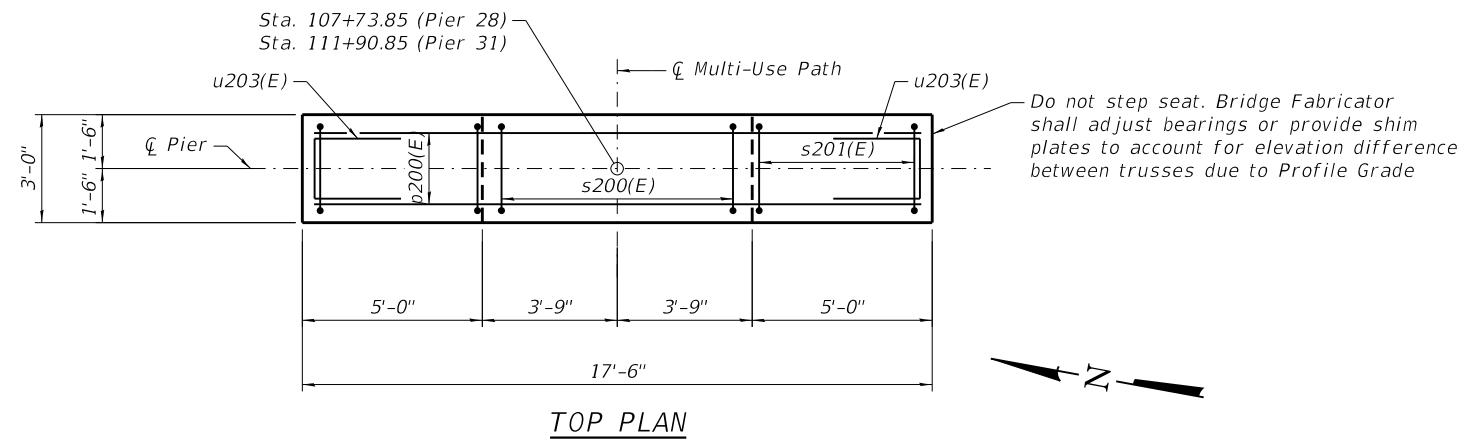
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	64
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



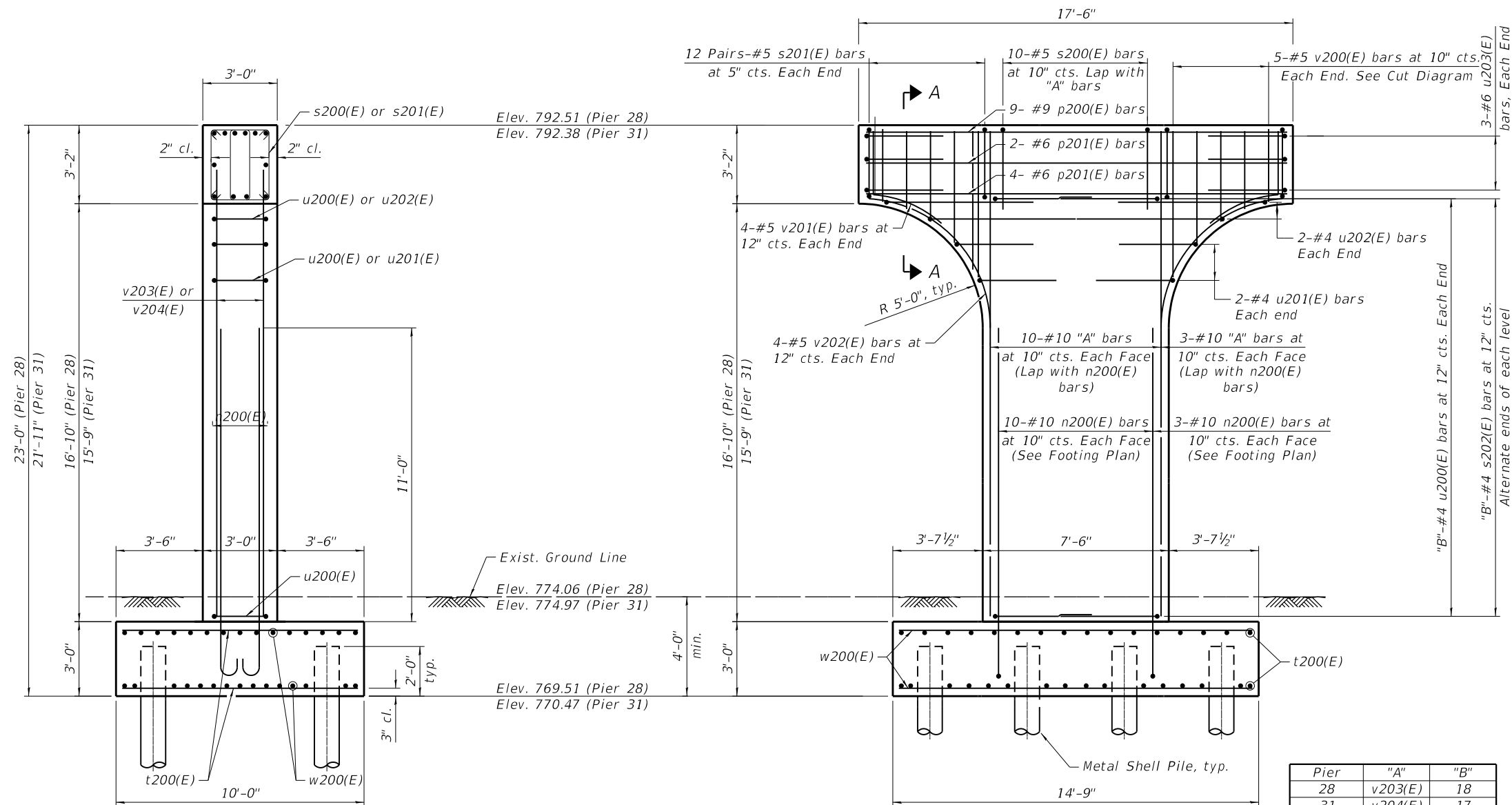
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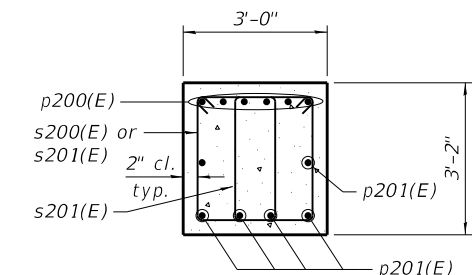
**ANCHOR BOLT LAYOUT**  
 (For information only. See Notes.)



**TOP PLAN**



**ELEVATION**  
 (Looking Upstation)



**SECTION A-A**

**Notes:**  
 For footing plan, bar bending diagrams, and Bill of Material, see sheet 66.  
 Concrete clear cover shall be 2" minimum unless noted otherwise.  
 Truss fabricator shall determine size and location of anchor bolts. Cost included with Pedestrian Truss Superstructure.  
 All edges shall have standard 3/4" chamfers except as noted.  
 Space reinforcement in cap to miss anchor bolts.  
 For details of piles, see sheet 70.  
 Concrete Sealer shall be applied to all exposed surfaces of the piers.  
 Truss fabricator shall provide a 1" nominal shim pack for each bearing consisting of a 1", 1/2", 1/4" and 2-1/8" shim plates matching the dimensions of the masonry plate provided, including holes for anchor bolts. Cost included in the cost of Pedestrian Truss Superstructure.  
 For Form Liner details, see Architectural Sheets.

Pier	"A"	"B"
28	v203(E)	18
31	v204(E)	17

**TRANSYSTEMS**

USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
	CHECKED - MDS	REVISED -

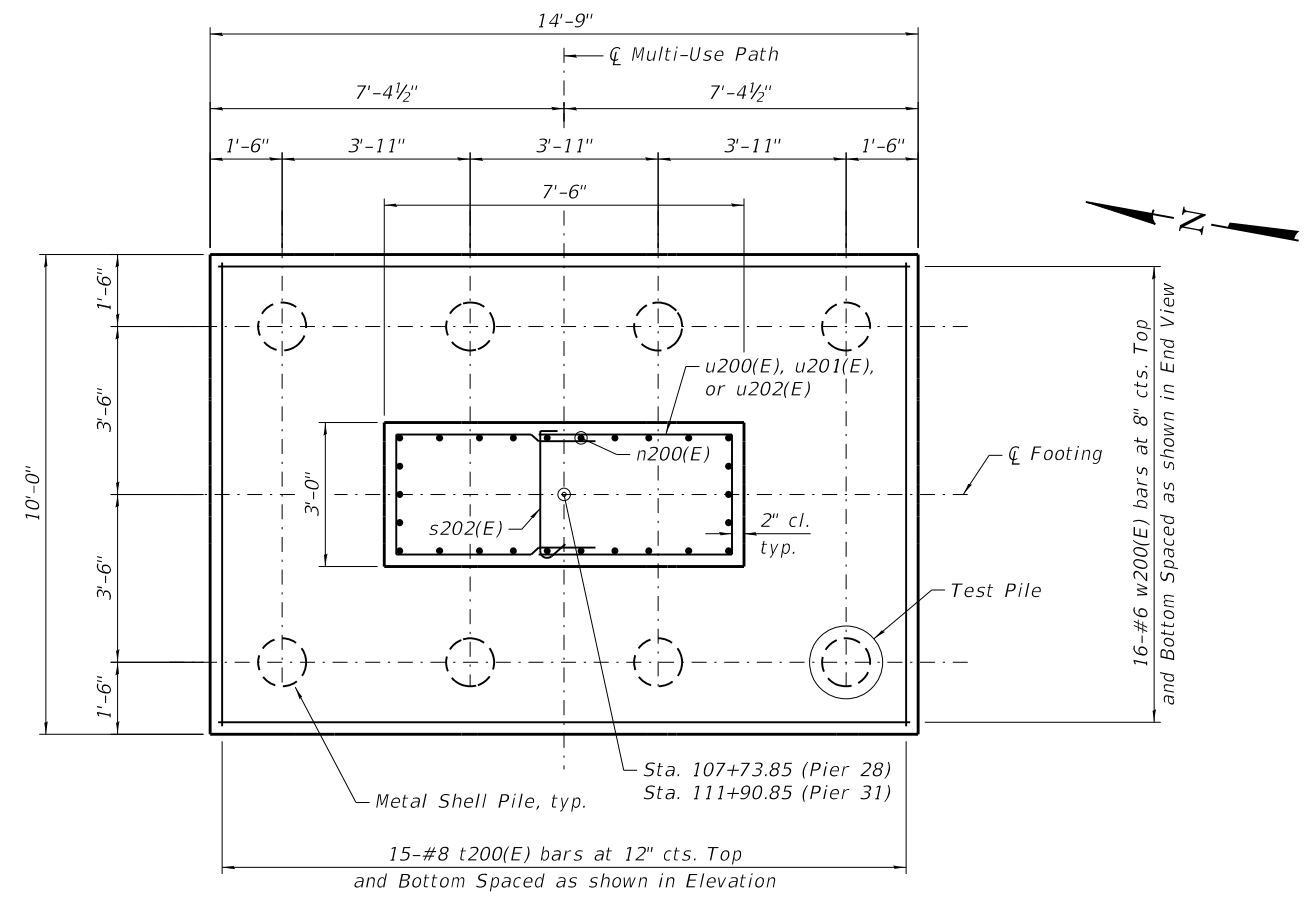
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PIERS 28 AND 31 DETAILS - 1  
 STRUCTURE NO. 016-8309**

SHEET 13 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	65
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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**FOOTING PLAN**

**PIER #28 PILE DATA**

Type: Metal Shell - 12 in. dia. x 0.250 in. walls  
 Nominal Required Bearing: 377 Kips  
 Factored Resistance Available: 208 Kips  
 Est. Length: 60 ft.  
 No. Production Piles: 7 per Pier  
 No. Test Piles: 1 per Pier

**PIER #31 PILE DATA**

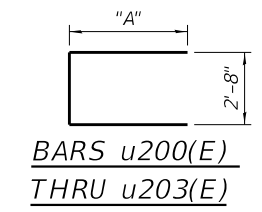
Type: Metal Shell - 12 in. dia. x 0.250 in. walls  
 Nominal Required Bearing: 386 Kips  
 Factored Resistance Available: 212 Kips  
 Est. Length: 43 ft.  
 No. Production Piles: 7 per Pier  
 No. Test Piles: 1 per Pier

**PIER 28 BILL OF MATERIAL**

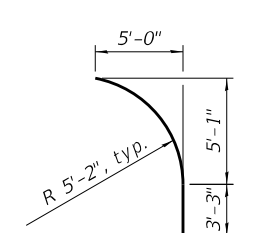
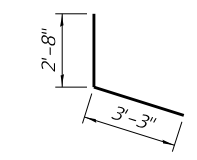
Bar	No.	Size	Length	Shape
n200(E)	26	#10	15'-2"	U
p200(E)	6	#9	16'-11"	—
p201(E)	6	#6	16'-11"	—
s200(E)	10	#5	9'-2"	□
s201(E)	48	#5	10'-3"	□
s202(E)	18	#5	3'-5"	U
t200(E)	30	#8	9'-8"	—
u200(E)	36	#4	13'-2"	U
u201(E)	4	#4	9'-10"	U
u202(E)	4	#4	14'-10"	U
u203(E)	6	#6	10'-4"	U
v200(E)	10	#5	7'-8"	—
v201(E)	8	#5	5'-11"	—
v202(E)	8	#5	11'-0"	—
v203(E)	26	#10	19'-8"	—
w200(E)	32	#6	14'-5"	—
Structure Excavation		Cu. Yd.	45	
Concrete Structures		Cu. Yd.	37.8	
Form Liner Textured Surface		Sq. Ft.	44	
Reinforcement Bars, Epoxy Coated		Pound	7,240	
Furnishing Metal Shell Piles 12" X 0.250"		Foot	420	
Driving Piles		Foot	420	
Test Pile Metal Shells		Each	1	
Concrete Sealer		Sq. Ft.	551	

**PIER 31 BILL OF MATERIAL**

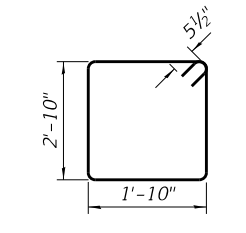
Bar	No.	Size	Length	Shape
n200(E)	26	#10	15'-2"	U
p200(E)	6	#9	16'-11"	—
p201(E)	6	#6	16'-11"	—
s200(E)	10	#5	9'-2"	□
s201(E)	48	#5	10'-3"	□
s202(E)	17	#5	3'-5"	U
t200(E)	30	#8	9'-8"	—
u200(E)	34	#4	13'-2"	U
u201(E)	4	#4	9'-10"	U
u202(E)	4	#4	14'-10"	U
u203(E)	6	#6	10'-4"	U
v200(E)	10	#5	7'-8"	—
v201(E)	8	#5	5'-11"	—
v202(E)	8	#5	11'-0"	—
v204(E)	26	#10	18'-7"	—
w200(E)	32	#6	14'-5"	—
Structure Excavation		Cu. Yd.	44	
Concrete Structures		Cu. Yd.	36.9	
Form Liner Textured Surface		Sq. Ft.	44	
Reinforcement Bars, Epoxy Coated		Pound	7,100	
Furnishing Metal Shell Piles 12" X 0.250"		Foot	301	
Driving Piles		Foot	301	
Test Pile Metal Shells		Each	1	
Concrete Sealer		Sq. Ft.	529	



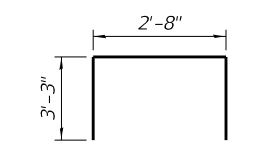
Bar	"A"
u200(E)	5'-3"
u201(E)	3'-7"
u202(E)	6'-1"
u203(E)	3'-10"



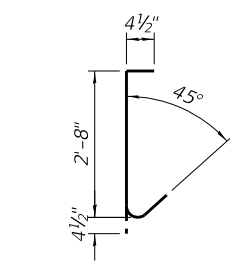
**BAR v202(E)**



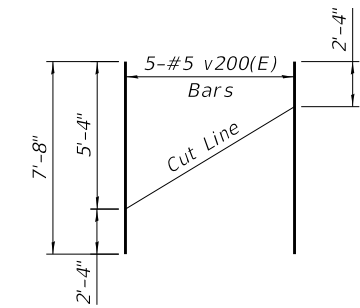
**BAR s201(E)**



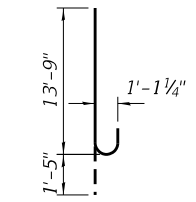
**BAR s200(E)**



**BAR s202(E)**



**BAR v200(E)**



**BAR n200(E)**

**MINIMUM BAR LAP**

Bar	Lap
#4	2'-7"
#5	3'-3"
#10	10'-10"

Note: See Sheet 65 for Elevation and End View of Pier



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

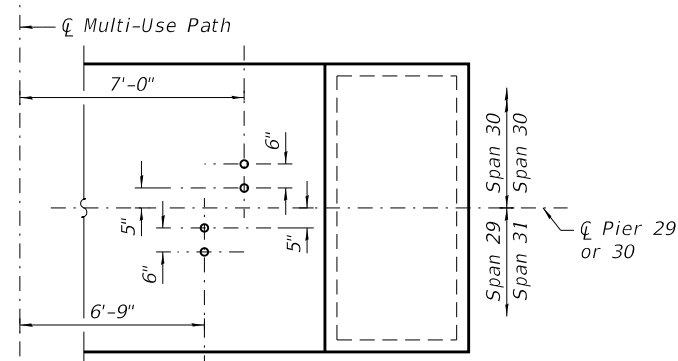
**PIERS 28 AND 31 DETAILS - 2  
STRUCTURE NO. 016-8309**

SHEET 14 OF 30 SHEETS

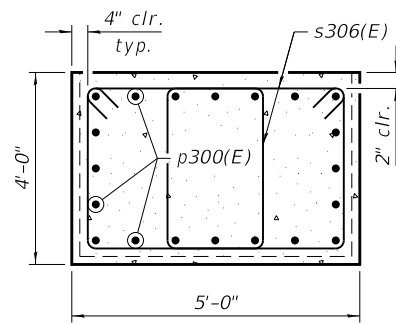
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	66
CONTRACT NO. 61J67				

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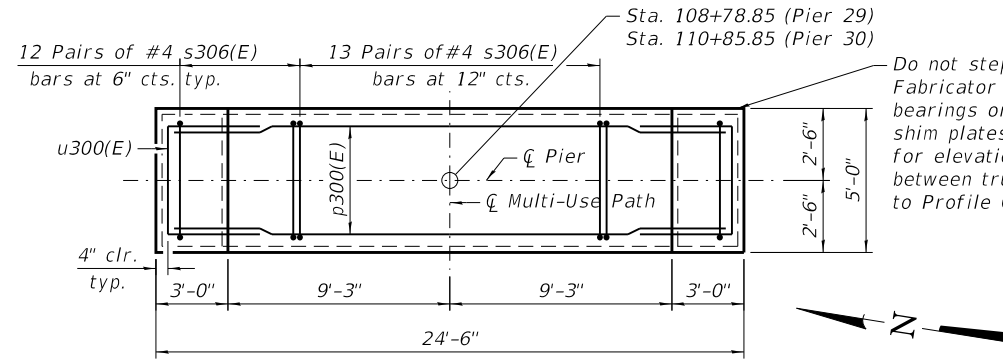
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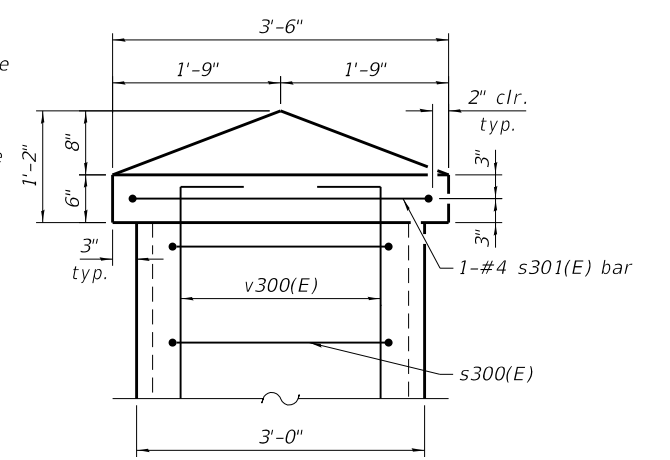
**ANCHOR BOLT LAYOUT**  
 (For information only, see Notes)



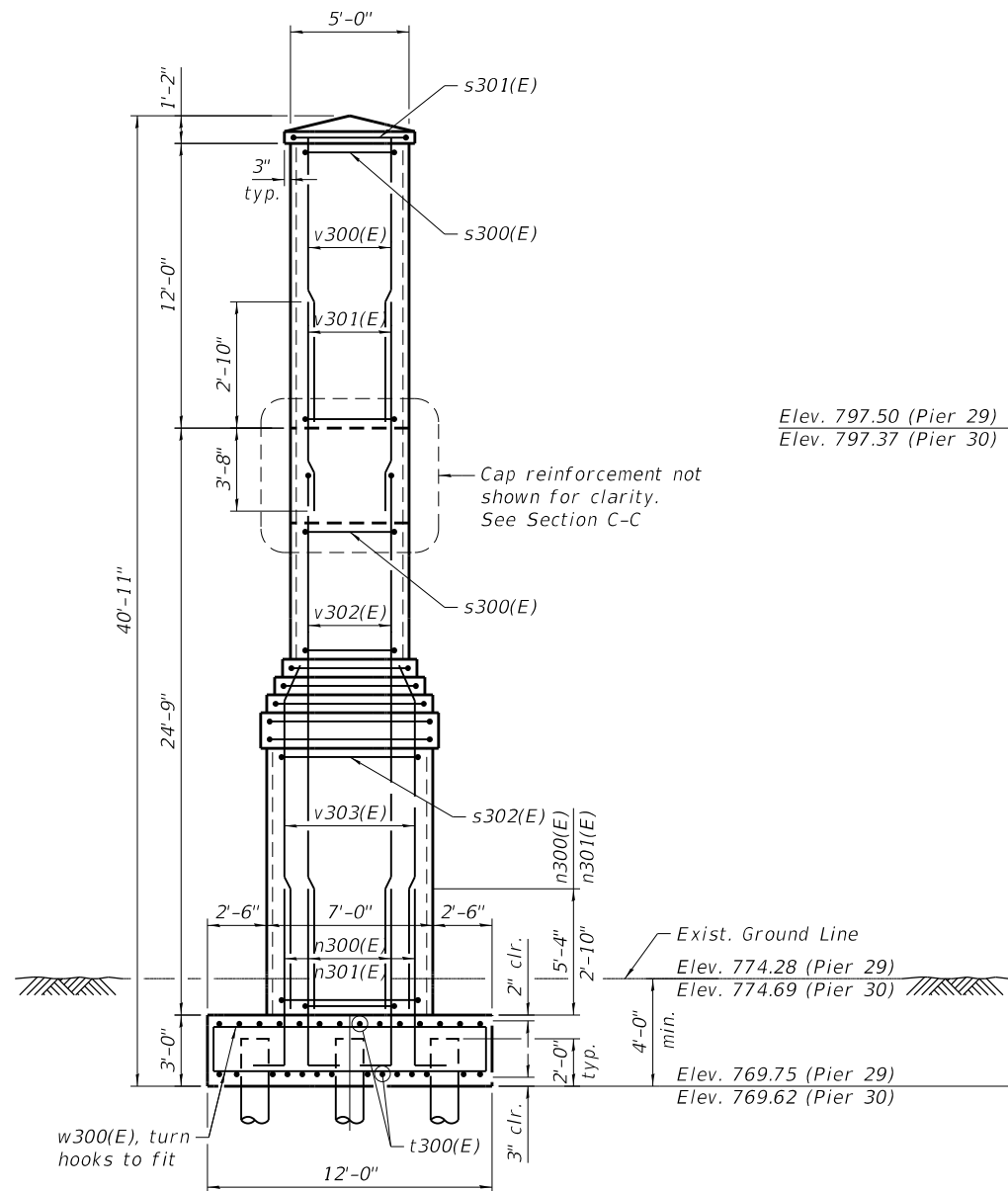
**SECTION C-C**



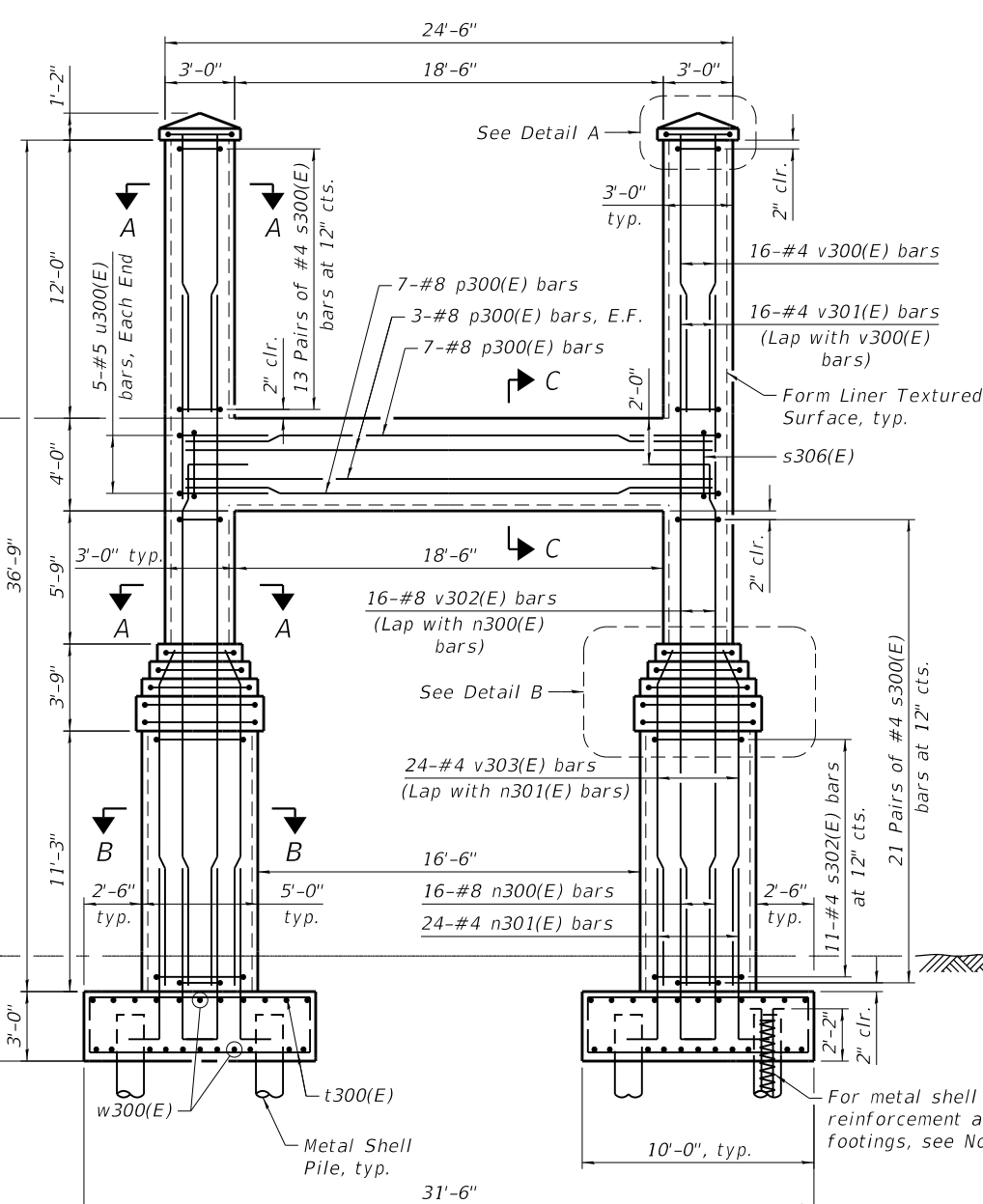
**TOP PLAN**



**DETAIL A**

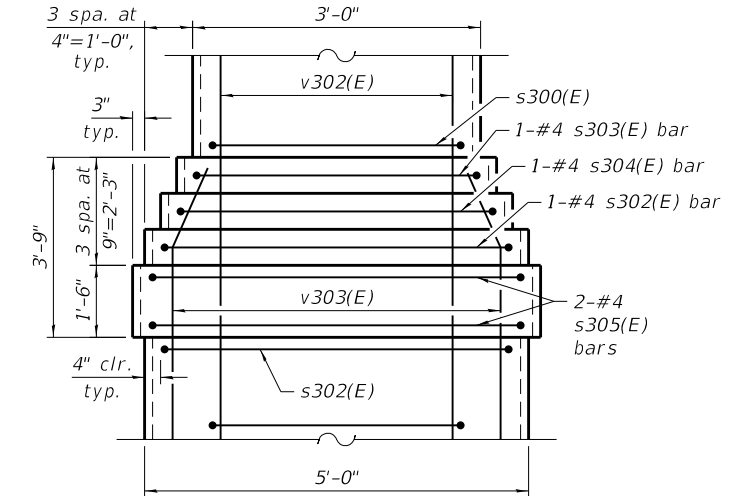


**END VIEW**



**ELEVATION**

(Looking Upstation)



**DETAIL B**

**Notes:**  
 For Footing Plan, bar bending diagrams, Bill of Materials, and Sections A-A, and B-B, see Sheet 68.  
 Concrete clear cover shall be 2" minimum unless noted otherwise.  
 Truss fabricator shall determine size and location of anchor bolts. Cost included with Pedestrian Truss Superstructure.  
 All edges shall have standard 3/4" chamfers except as noted.  
 Space reinforcement in cap to miss anchor bolts.  
 For details of metal shell piles, see Sheet 70.  
 Truss fabricator shall provide a 1" nominal shim pack for each bearing consisting of a 1", 1/2", 1/4" and 2-1/8" shim plates matching the dimensions of the masonry plate provided, including holes for anchor bolts. Cost included in the cost of Pedestrian Truss Superstructure.  
 For Form Liner details, see Architectural Sheets.

**TRANSYSTEMS**

USER NAME = Imnaingolan	DESIGNED - CMG	REVISED -
CHECKED - MDS	REVISIONS -	
PLOT SCALE = 0.1667' / in.	DRAWN - MD	REVISED -
PLOT DATE = 11/3/2023	CHECKED - MDS	REVISED -

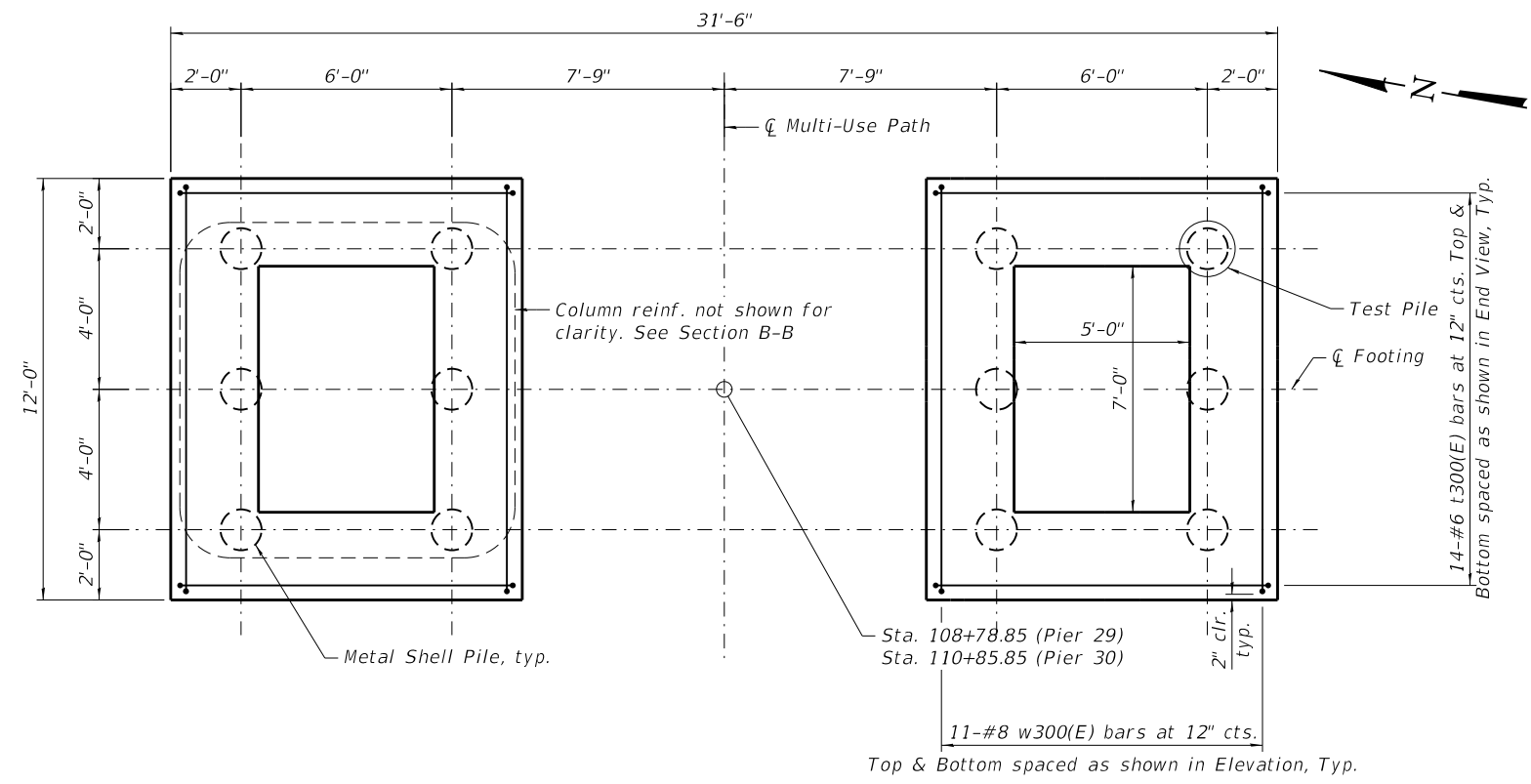
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PIERS 29 AND 30 DETAILS - 1  
 STRUCTURE NO. 016-8309**

SHEET 15 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	67
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

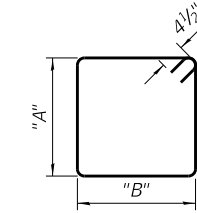
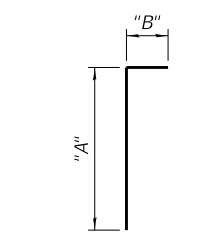
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**FOOTING PLAN**

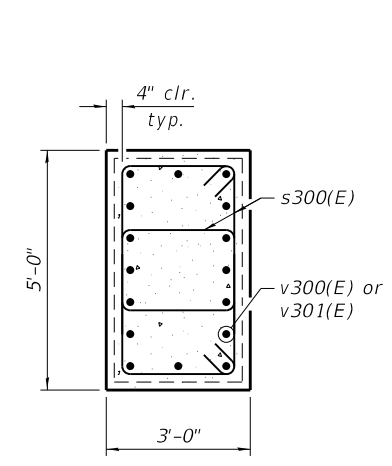
**BARS n300(E), n301(E), v300(E), & v302(E)**

Bar	"A"	"B"
n300(E)	8'-1"	1'-4"
n301(E)	5'-7"	0'-8"
v300(E)	12'-6"	0'-8"
v302(E)	22'-7"	1'-4"

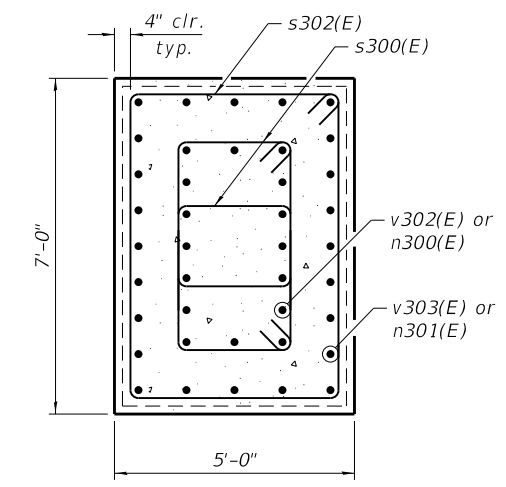


**BAR s300(E) THRU s306(E)**

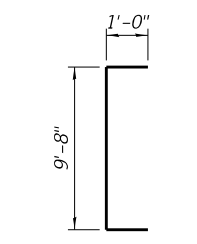
Bar	"A"	"B"
s300(E)	3'-0"	2'-4"
s301(E)	5'-2"	3'-2"
s302(E)	6'-4"	4'-4"
s303(E)	5'-0"	3'-0"
s304(E)	5'-8"	3'-8"
s305(E)	6'-10"	4'-10"
s306(E)	3'-6"	3'-0"



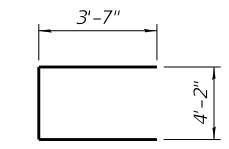
**SECTION A-A**



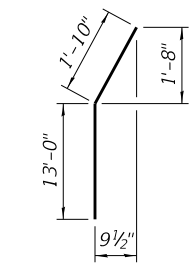
**SECTION B-B**



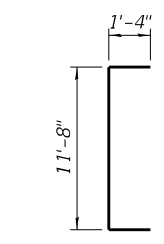
**BAR t300(E)**



**BAR u300(E)**



**BAR v303(E)**



**BAR w300(E)**

**PILE DATA**

Type: Metal Shell - 14 in. dia. x 0.312 in. walls  
 Nominal Required Bearing: 559 Kips  
 Factored Resistance Available: 308 Kips  
 Est. Length: 70 ft. (Pier 29)  
 70 ft. (Pier 30)  
 No. Production Piles: 11 per Pier  
 No. Test Piles: 1 per Pier

**MINIMUM BAR LAP**

Bar	Lap
#4	2'-7"
#5	3'-2"
#8	5'-1"

**PIER 29 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
n300(E)	32	#8	9'-5"	—
n301(E)	48	#4	6'-3"	—
p300(E)	20	#8	23'-10"	—
s300(E)	136	#4	11'-5"	□
s301(E)	2	#4	17'-5"	□
s302(E)	24	#4	22'-1"	□
s303(E)	2	#4	16'-9"	□
s304(E)	2	#4	19'-5"	□
s305(E)	4	#4	24'-1"	□
s306(E)	74	#4	13'-9"	□
t300(E)	56	#6	11'-8"	—
u300(E)	10	#5	11'-4"	—
v300(E)	32	#4	13'-2"	—
v301(E)	32	#4	6'-6"	—
v302(E)	32	#8	23'-11"	—
v303(E)	48	#4	14'-10"	—
w300(E)	44	#8	14'-4"	—
Structure Excavation			Cu. Yd.	76
Concrete Structures			Cu. Yd.	104.0
Form Liner Textured Surface			Sq. Ft.	1,676
Reinforcement Bars, Epoxy Coated			Pound	10,220
Furnishing Metal Shell Piles 14" X 0.312"			Foot	770
Driving Piles			Foot	770
Test Pile Metal Shells			Each	1
Staining Concrete Structures			Sq. Ft.	1,839

**PIER 30 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
n300(E)	32	#8	9'-5"	—
n301(E)	48	#4	6'-3"	—
p300(E)	20	#8	23'-10"	—
s300(E)	136	#4	11'-5"	□
s301(E)	2	#4	17'-5"	□
s302(E)	24	#4	22'-1"	□
s303(E)	2	#4	16'-9"	□
s304(E)	2	#4	19'-5"	□
s305(E)	4	#4	24'-1"	□
s306(E)	74	#4	13'-9"	□
t300(E)	56	#6	11'-8"	—
u300(E)	10	#5	11'-4"	—
v300(E)	32	#4	13'-2"	—
v301(E)	32	#4	6'-6"	—
v302(E)	32	#8	23'-11"	—
v303(E)	48	#4	14'-10"	—
w300(E)	44	#8	14'-4"	—
Structure Excavation			Cu. Yd.	85
Concrete Structures			Cu. Yd.	104.0
Form Liner Textured Surface			Sq. Ft.	1,676
Reinforcement Bars, Epoxy Coated			Pound	10,220
Furnishing Metal Shell Piles 14" X 0.312"			Foot	770
Driving Piles			Foot	770
Test Pile Metal Shells			Each	1
Staining Concrete Structures			Sq. Ft.	1,839

Note:  
 See Sheet 67 for Elevation and End View of Pier



USER NAME = Imnaingolan	DESIGNED - CMG	REVISED -
PLOT SCALE = 5.3333' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - MD	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

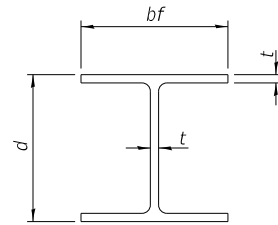
**PIERS 29 AND 30 DETAILS - 2  
 STRUCTURE NO. 016-8309**

SHEET 16 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	68
CONTRACT NO. 61J67				

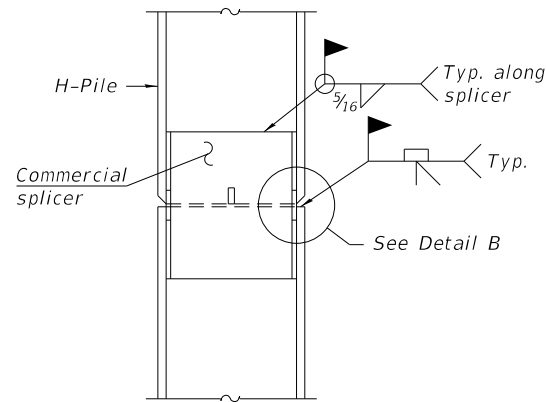
ILLINOIS FED. AID PROJECT

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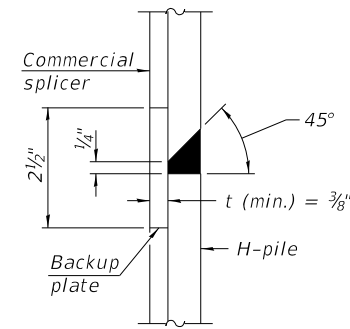


**STEEL PILE TABLE**

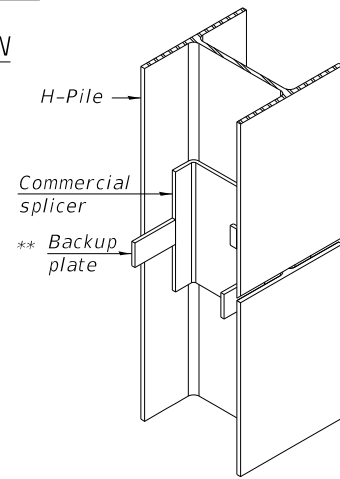
Designation	Depth <i>d</i>	Flange width <i>bf</i>	Web and Flange thickness <i>t</i>
HP 14x73	13 <sup>5</sup> / <sub>8</sub> "	14 <sup>5</sup> / <sub>8</sub> "	1/2"
HP 12x53	11 <sup>3</sup> / <sub>4</sub> "	12"	7/16"



**ELEVATION**

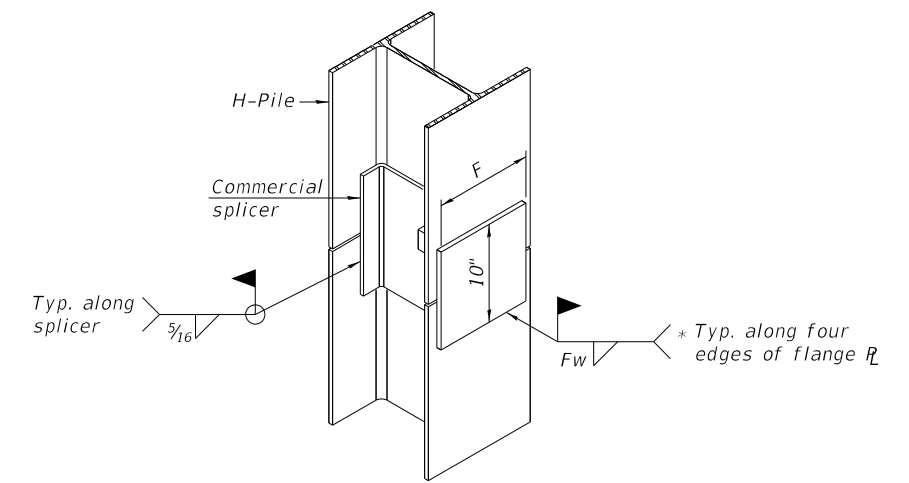


**DETAIL "B"**



**ISOMETRIC VIEW**

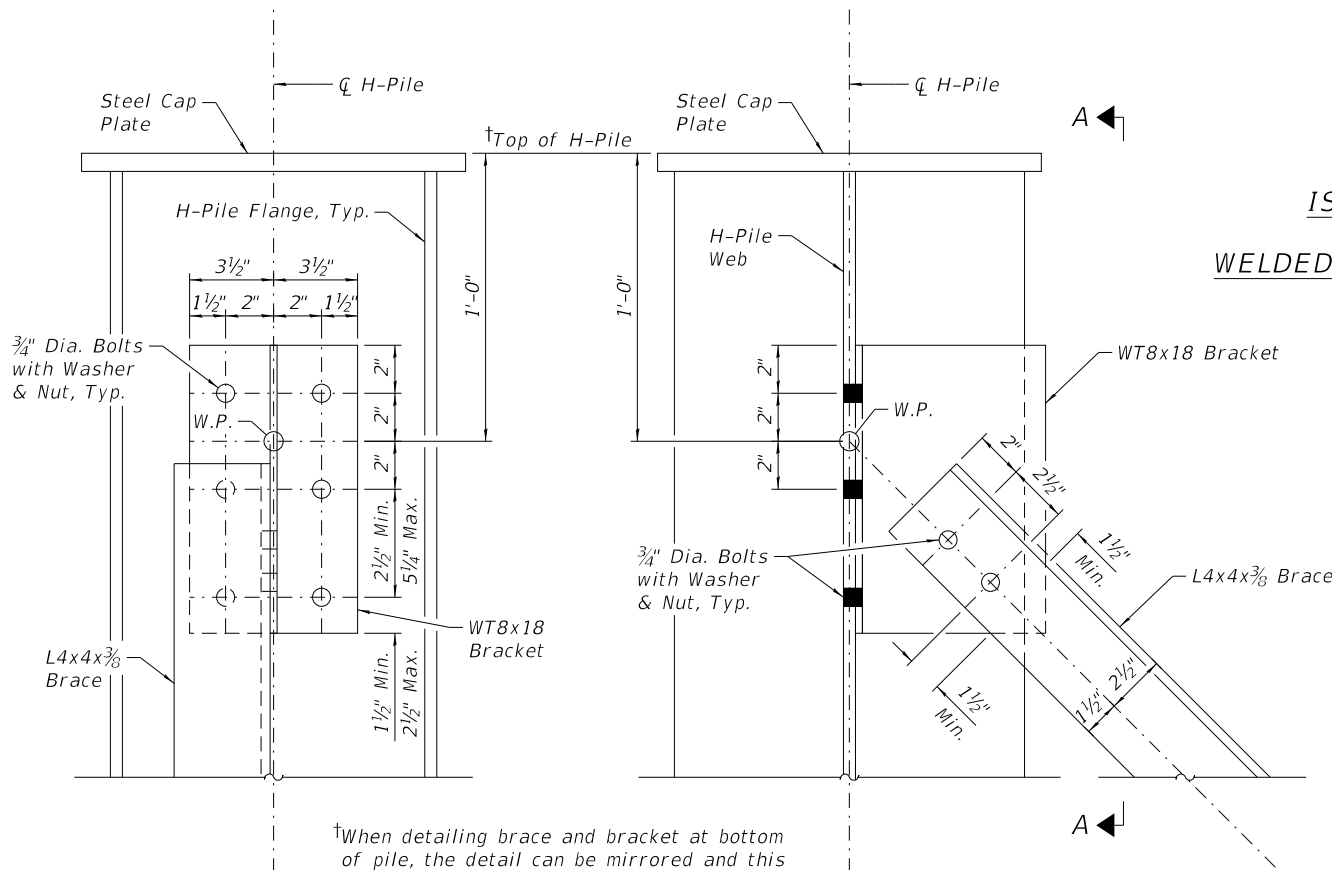
**WELDED COMMERCIAL SPLICE**



**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE ALTERNATE**

- \* 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.).



**SECTION A-A**

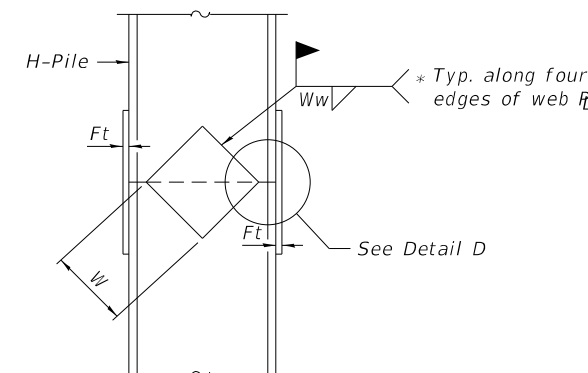
**ELEVATION**

**H-PILE BRACING BRACKET DETAIL**

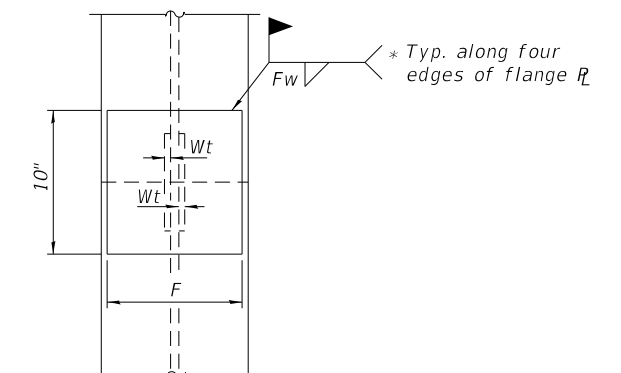
(Top of Pile Detail Shown, Center Piles with back-to-back Brackets and Bottom of Pile Details Similar)

†When detailing brace and bracket at bottom of pile, the detail can be mirrored and this elevation can be replaced with the Estimated Ground Surface

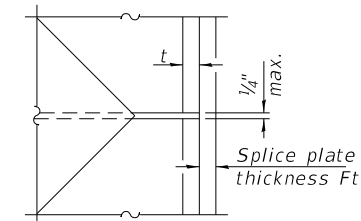
Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.



**ELEVATION**



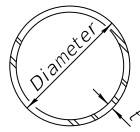
**END VIEW**



**DETAIL D**

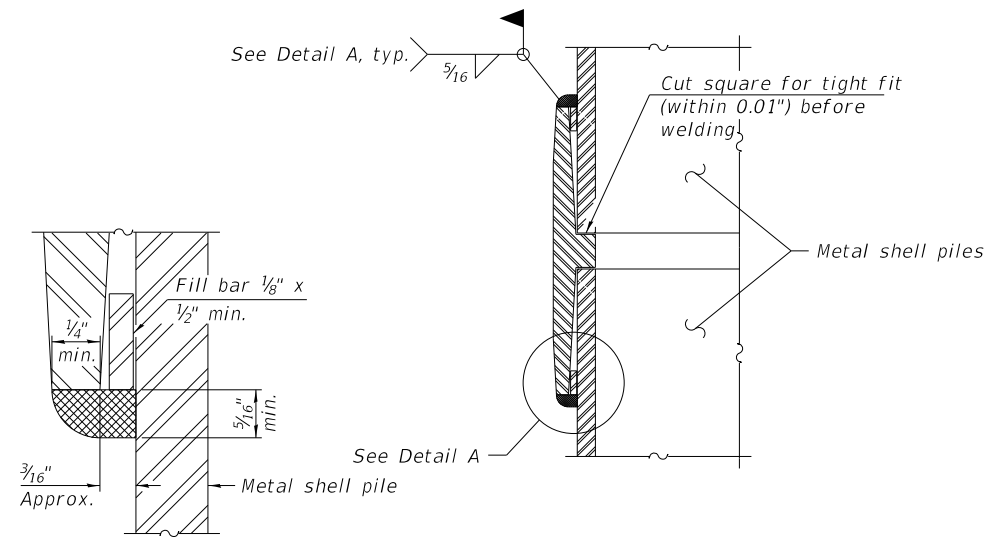
Designation	F	Ft	Fw	W	Wt	Ww
HP 14x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"

**WELDED PLATE FIELD SPLICE**



**METAL SHELL PILE TABLE**

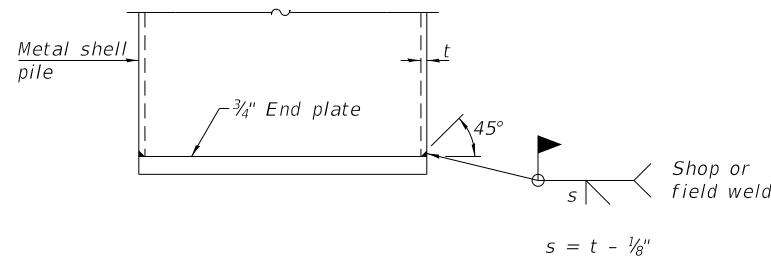
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. <sup>3</sup> /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



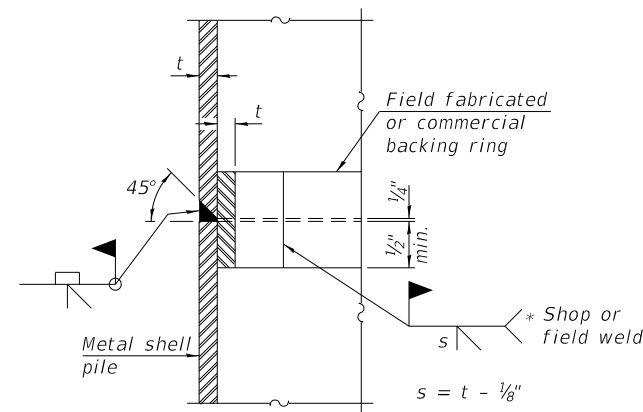
**DETAIL A**

**WELDED COMMERCIAL SPLICE**

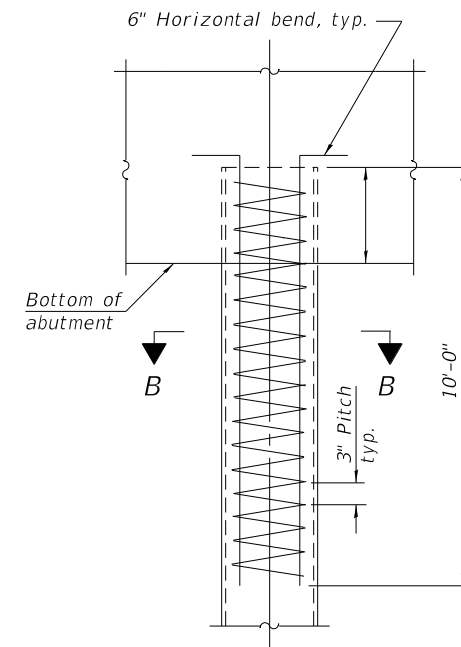
Notes:  
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.  
 Pile segments shall be driven to solid contact with splicer before welding.



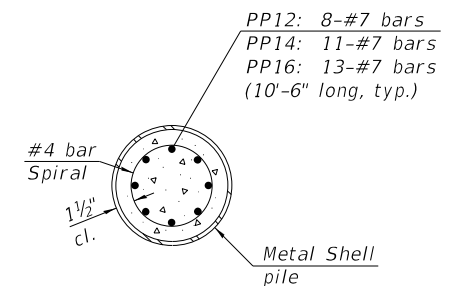
**END PLATE ATTACHMENT**



**COMPLETE PENETRATION WELD SPLICE**  
 \* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



**ELEVATION**



**SECTION B-B**

**REINFORCEMENT AT FOOTINGS**

Note:  
 The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

MODEL: Default  
 FILE NAME: pw:\hqp\pw\mt01.a-e.transyscorp.com\transyscorp-pw\1\Documents\Projects\_2021\CH401 - Chicago\p401210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\304.00 - Bridge\304.01 - Standard Sheets\MSPDET & slash; METAL SHELL PILE DETAILS

**TRANSYSTEMS**

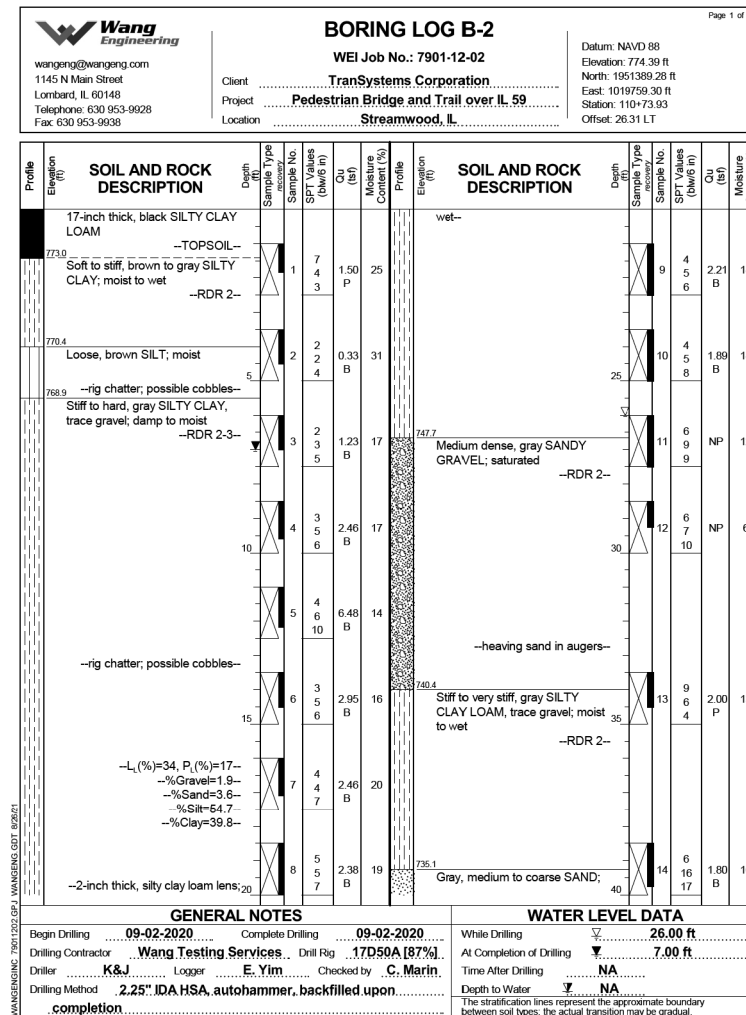
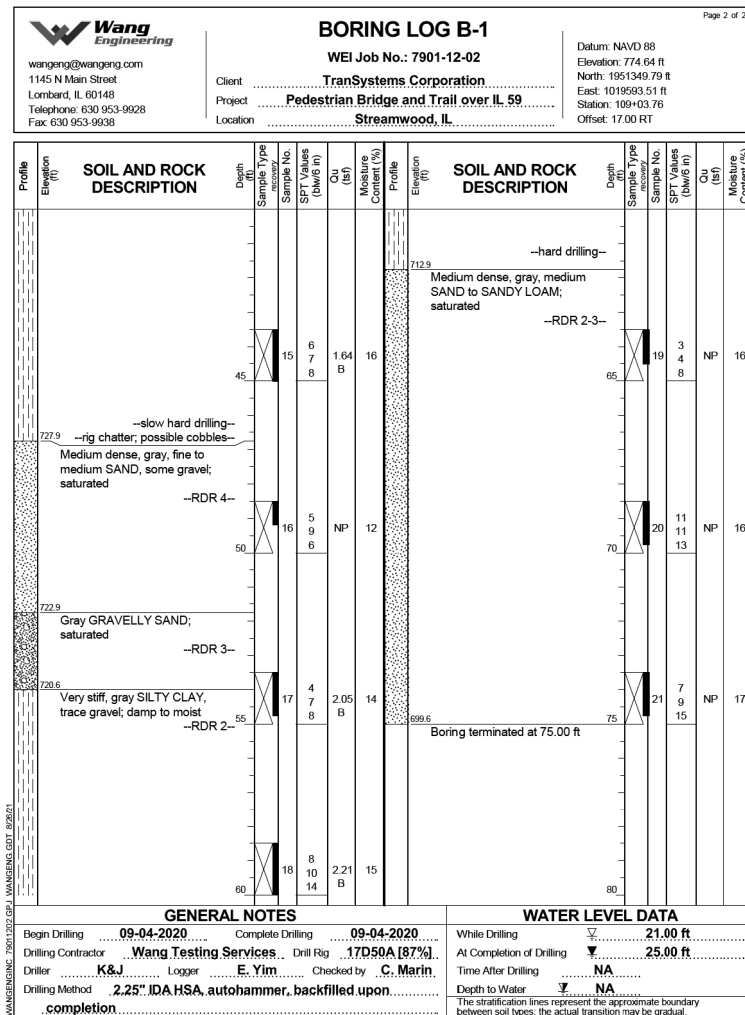
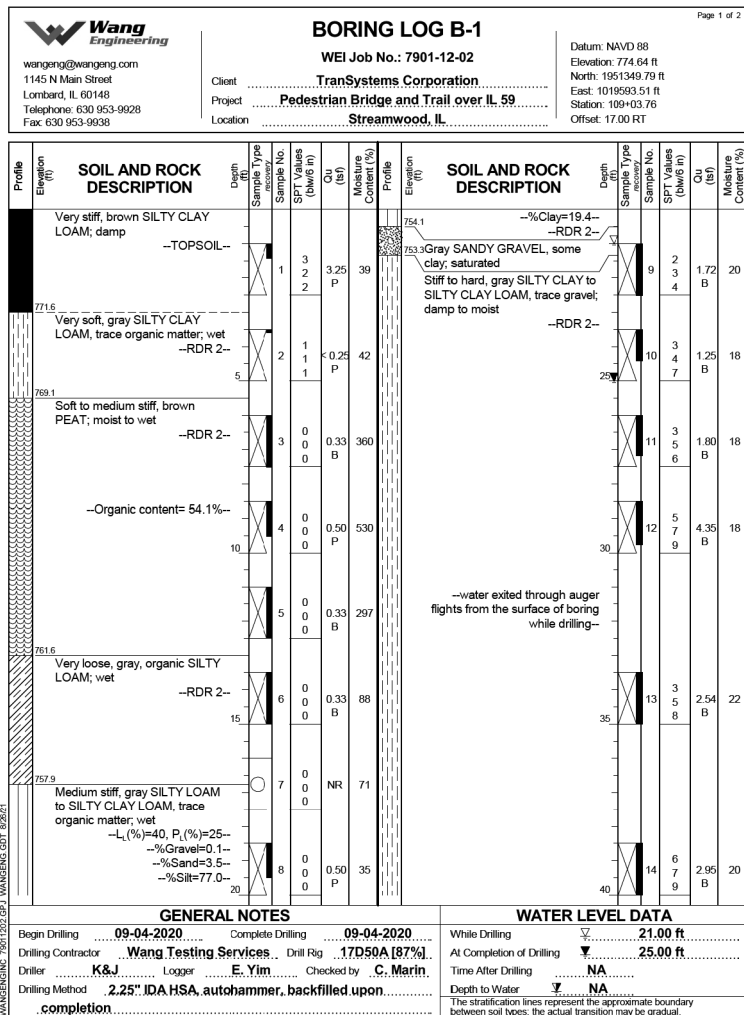
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PLOT DATE = 11/3/2023	DRAWN - JE	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS  
 STRUCTURE NO. 016-8309**

SHEET 18 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	70
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				



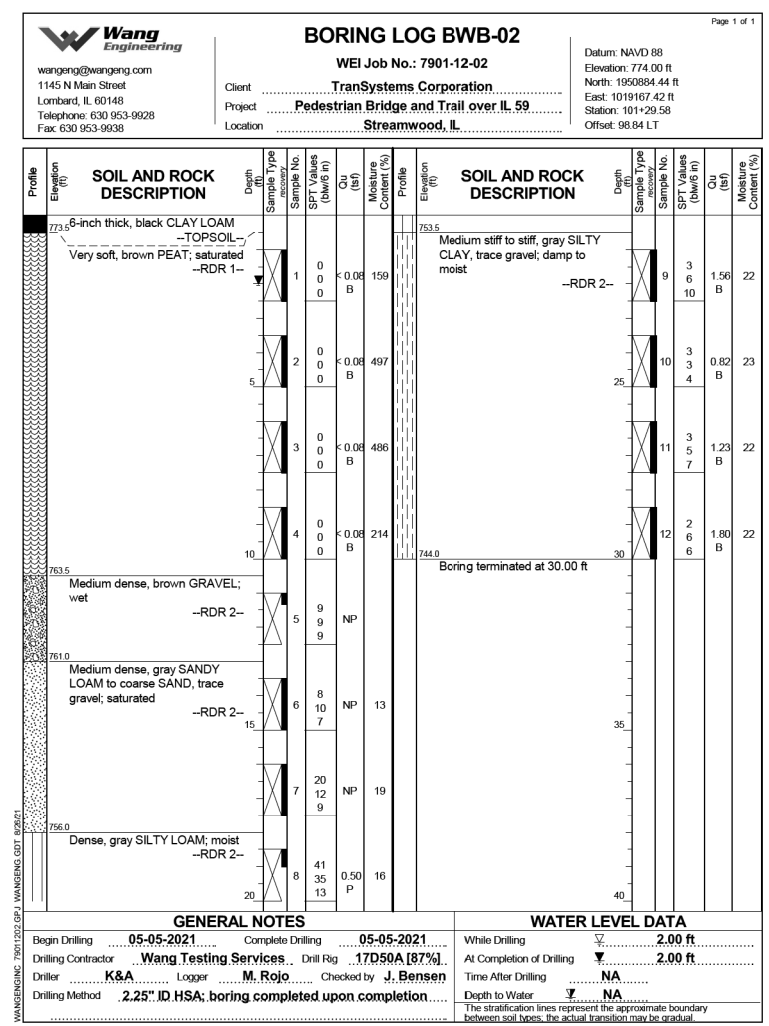
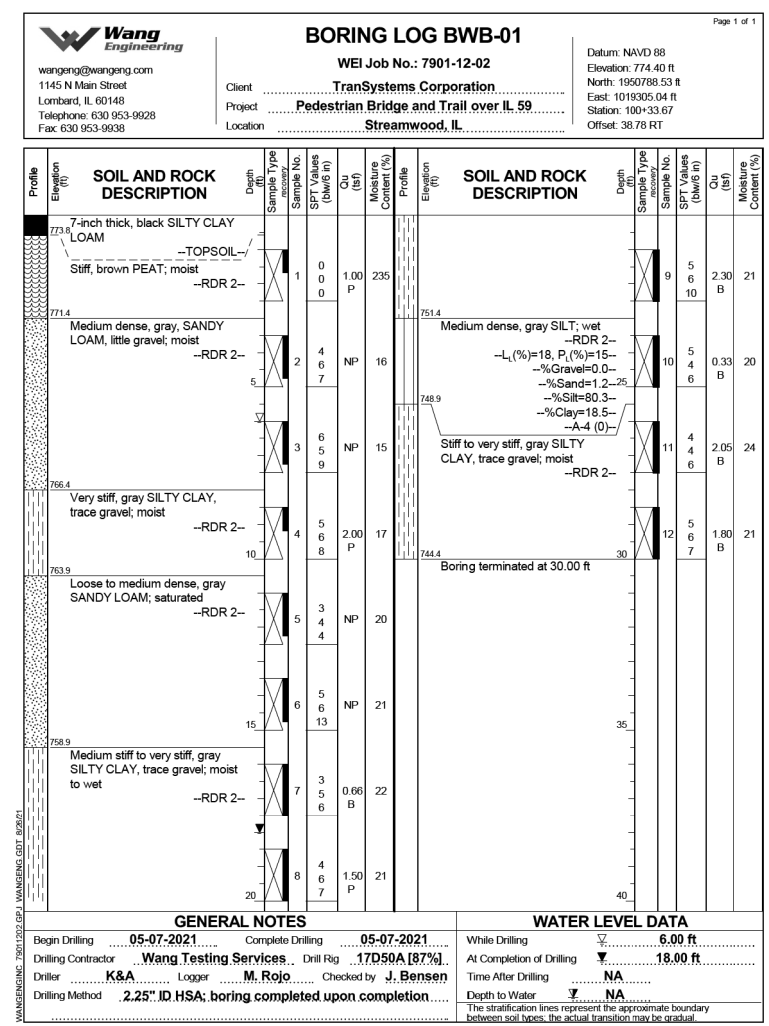
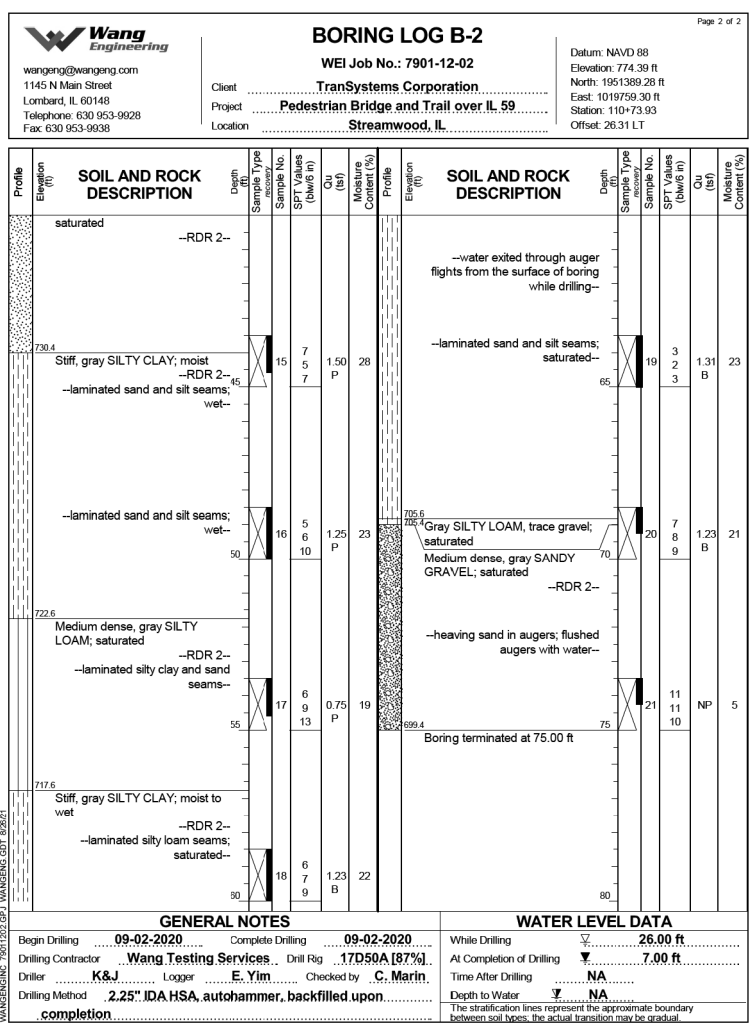
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PLOT SCALE = 0.1667' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - JE	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 1  
 STRUCTURE NO. 016-8309**

SHEET 19 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	71
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
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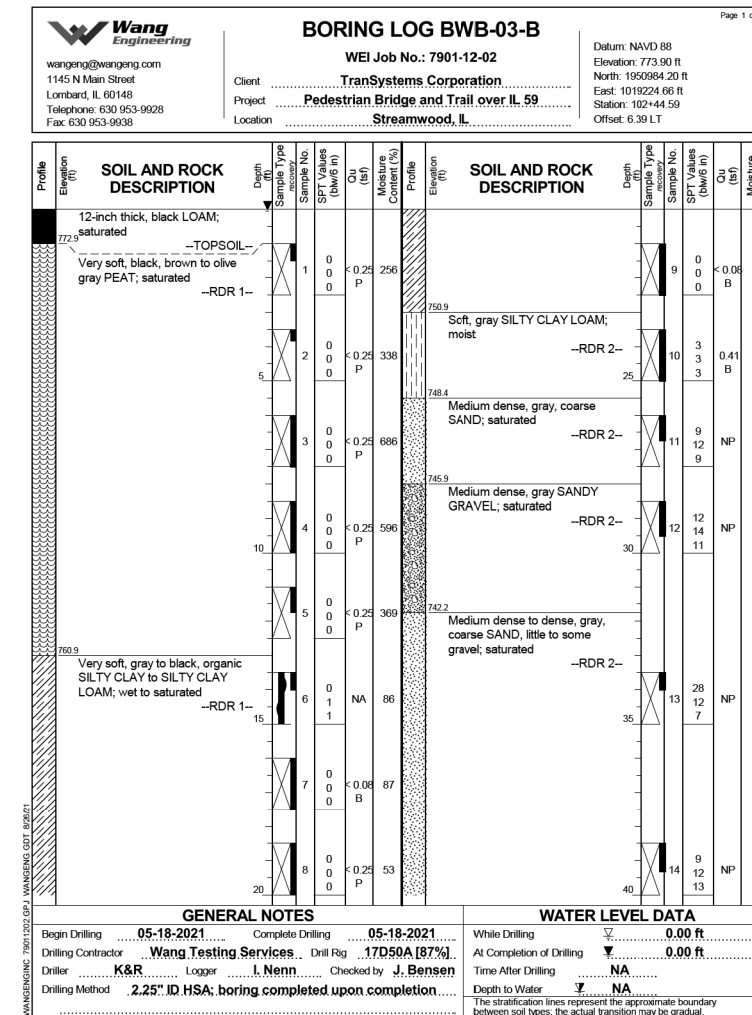
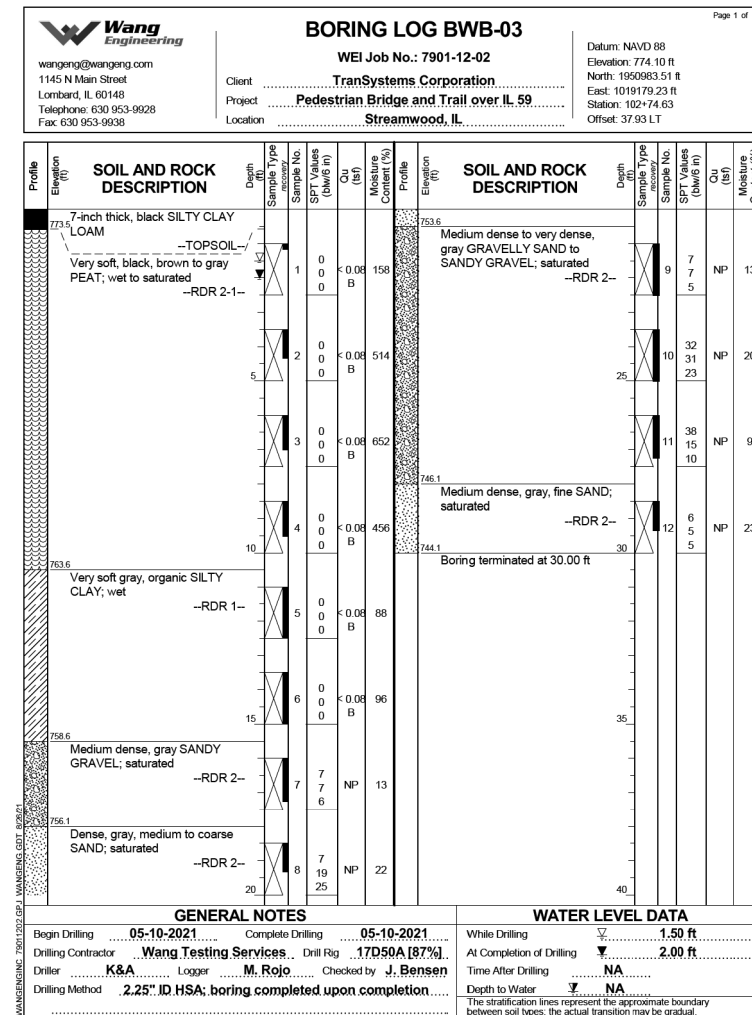
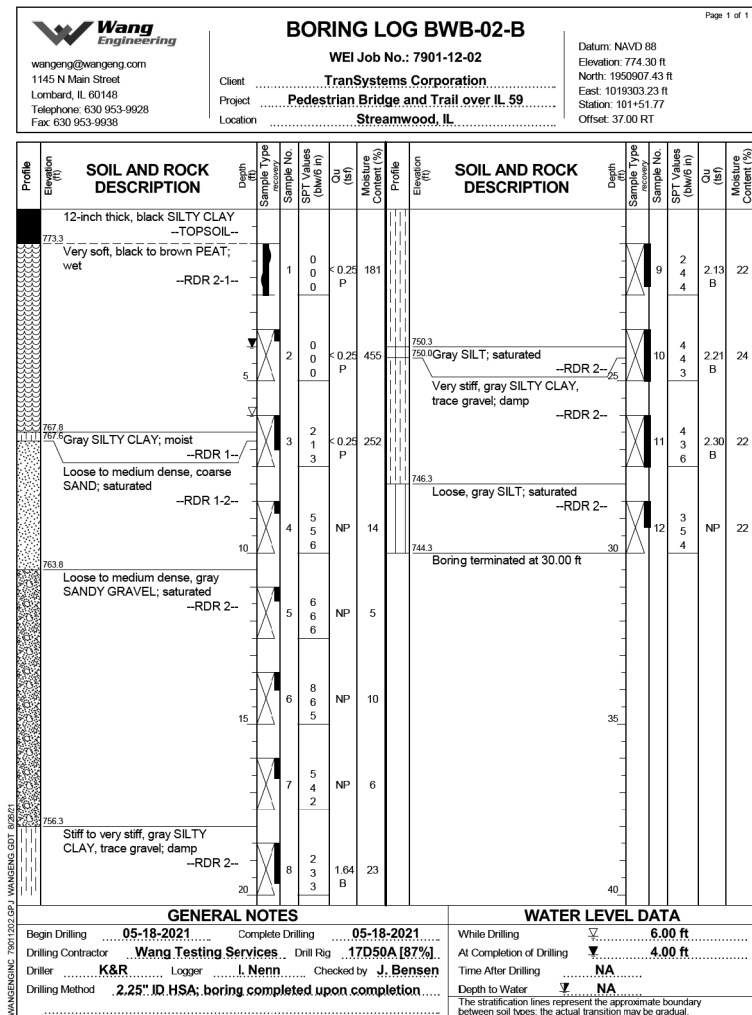
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 2  
 STRUCTURE NO. 016-8309**

SHEET 20 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	72
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	





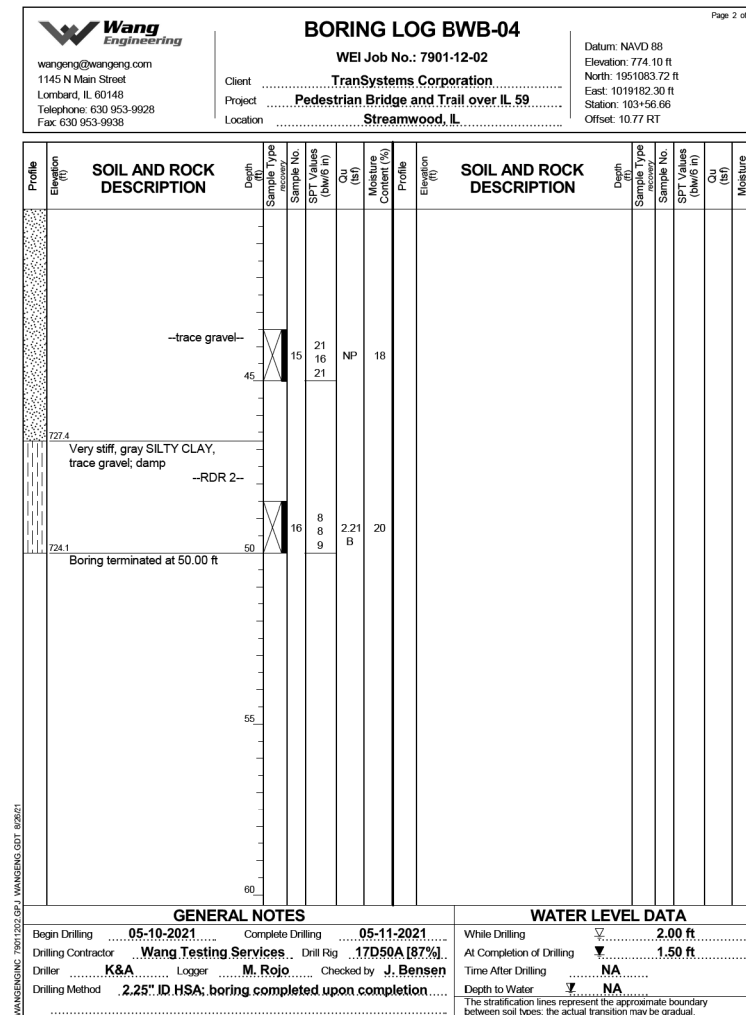
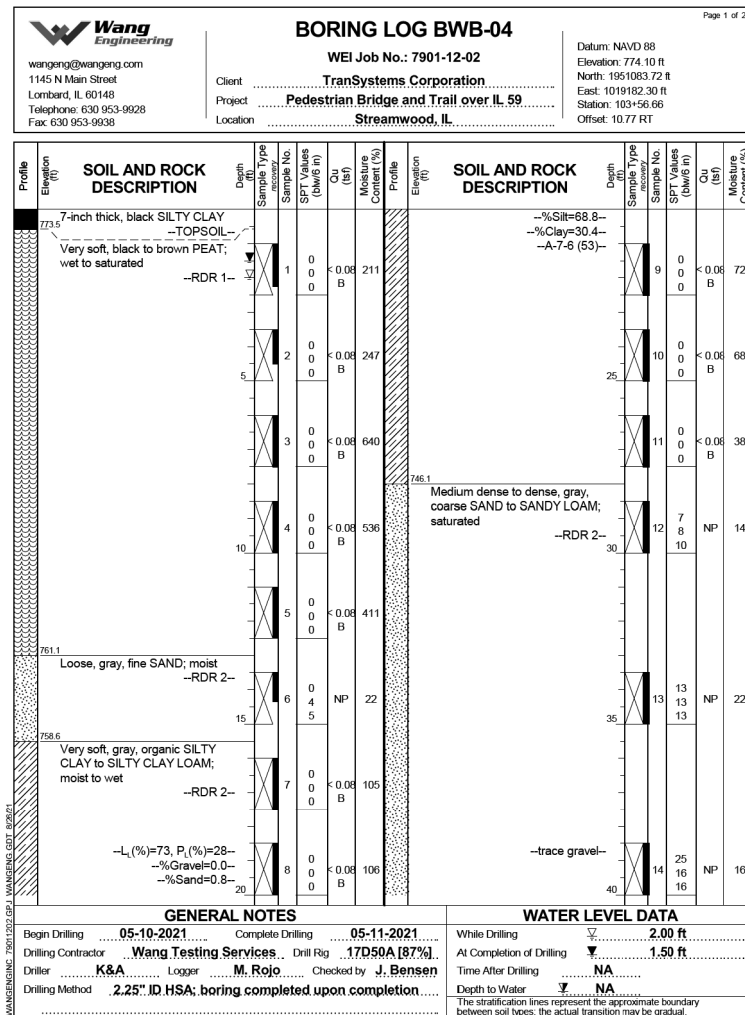
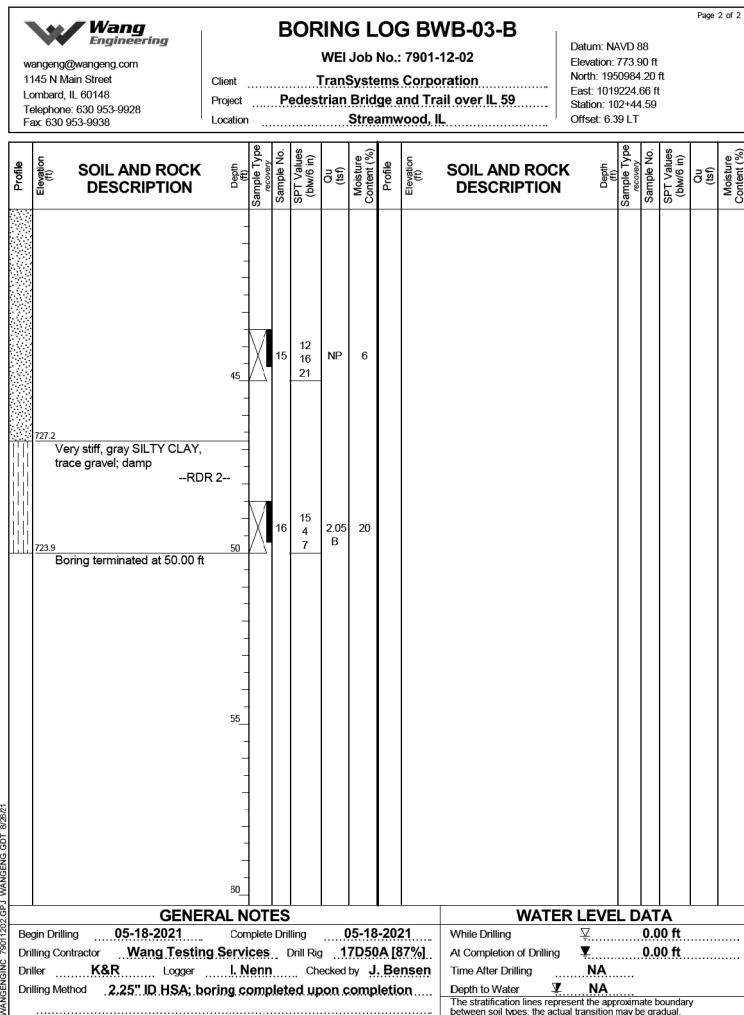
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 3  
 STRUCTURE NO. 016-8309**

SHEET 21 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	73
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	



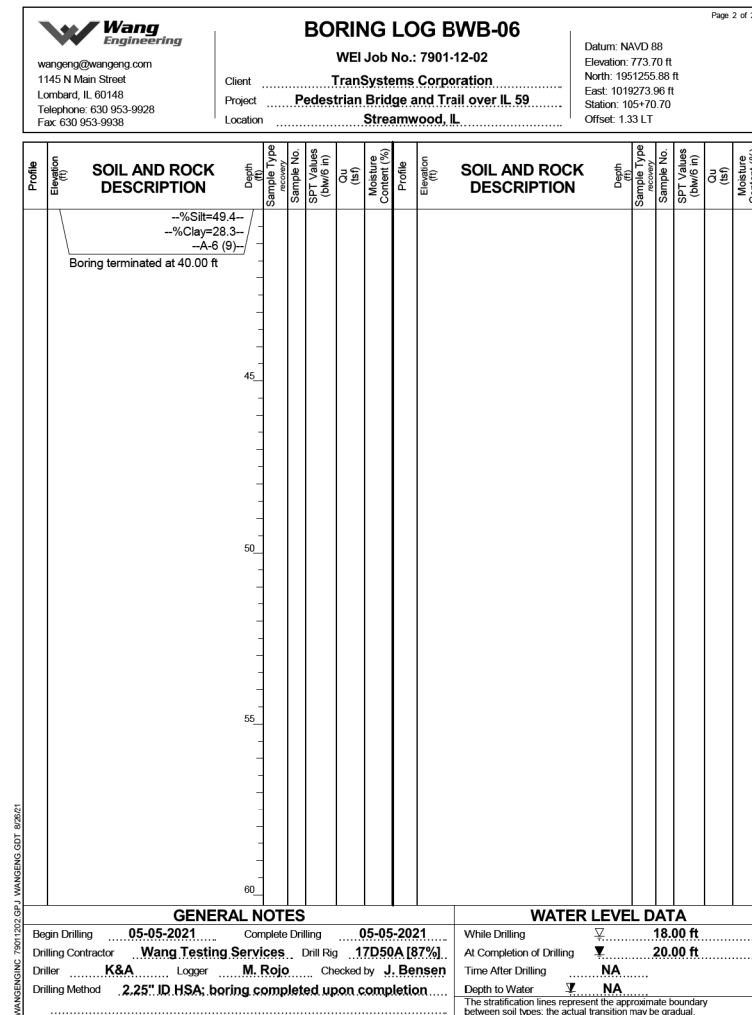
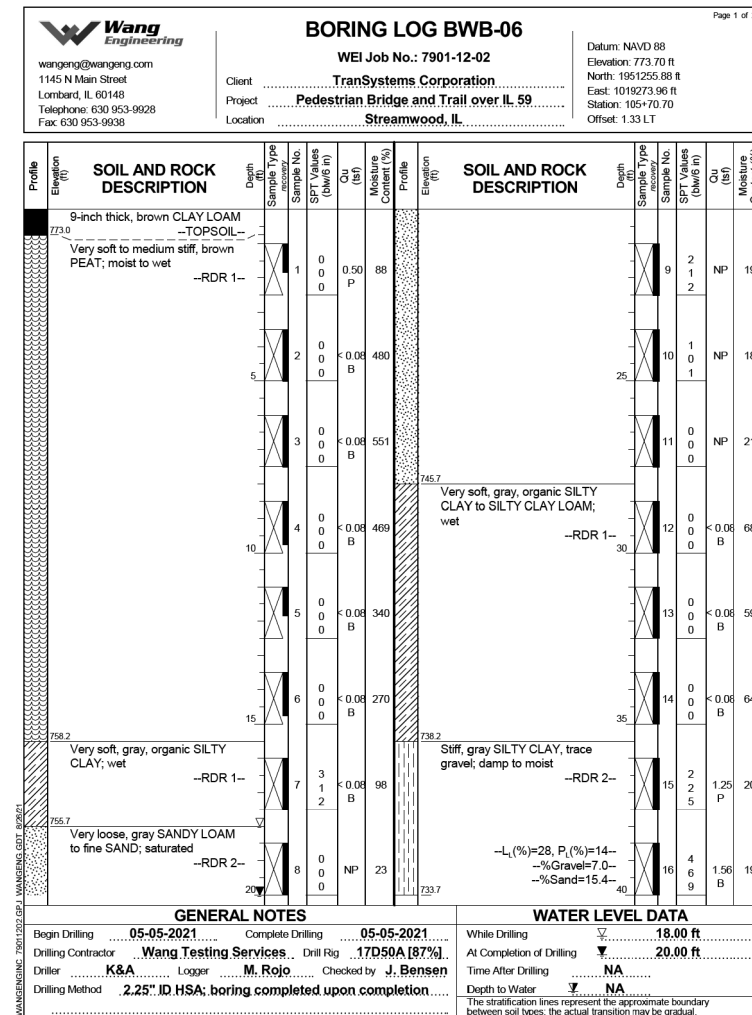
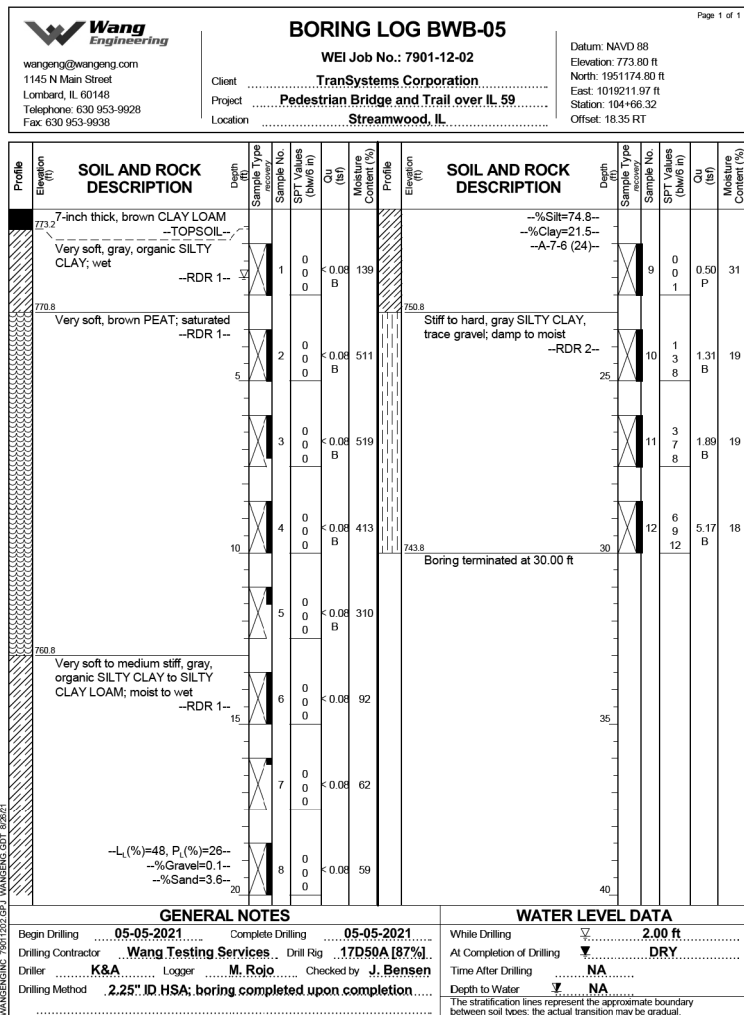
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PLOT DATE = 11/3/2023	DRAWN - JE	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 4  
 STRUCTURE NO. 016-8309**

SHEET 22 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	74
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	



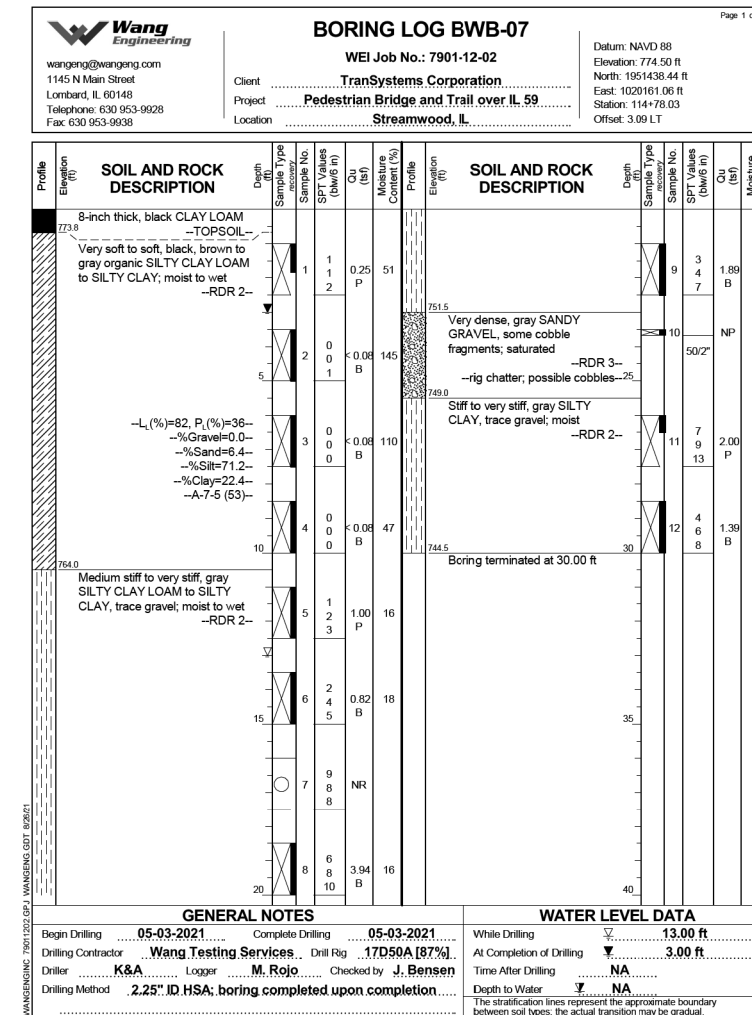
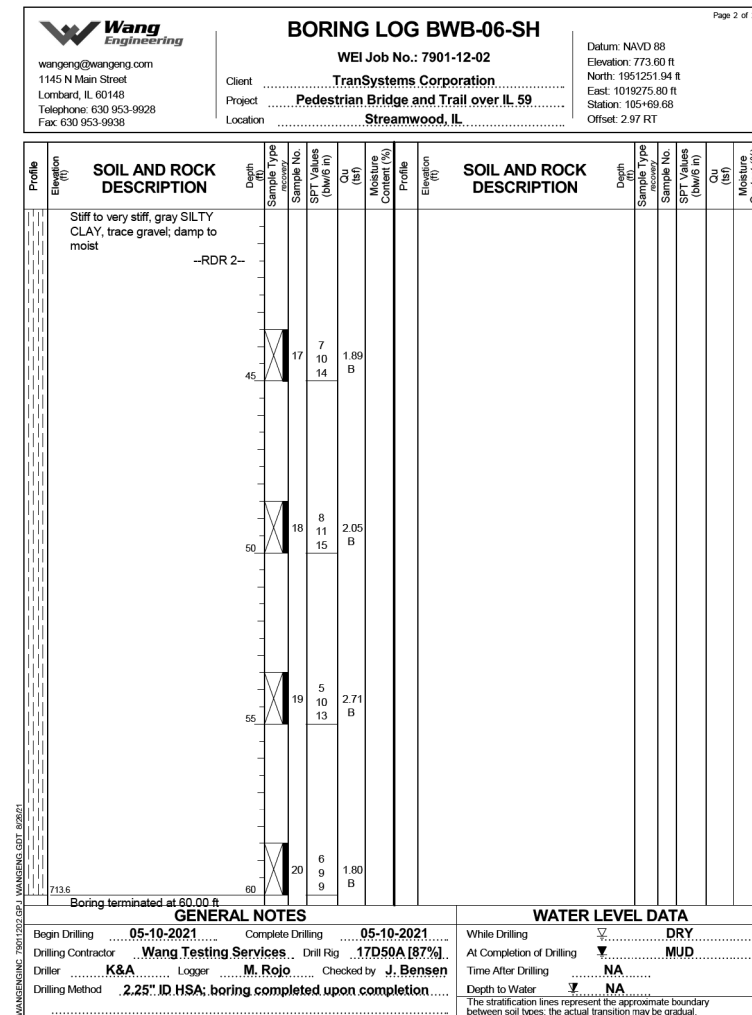
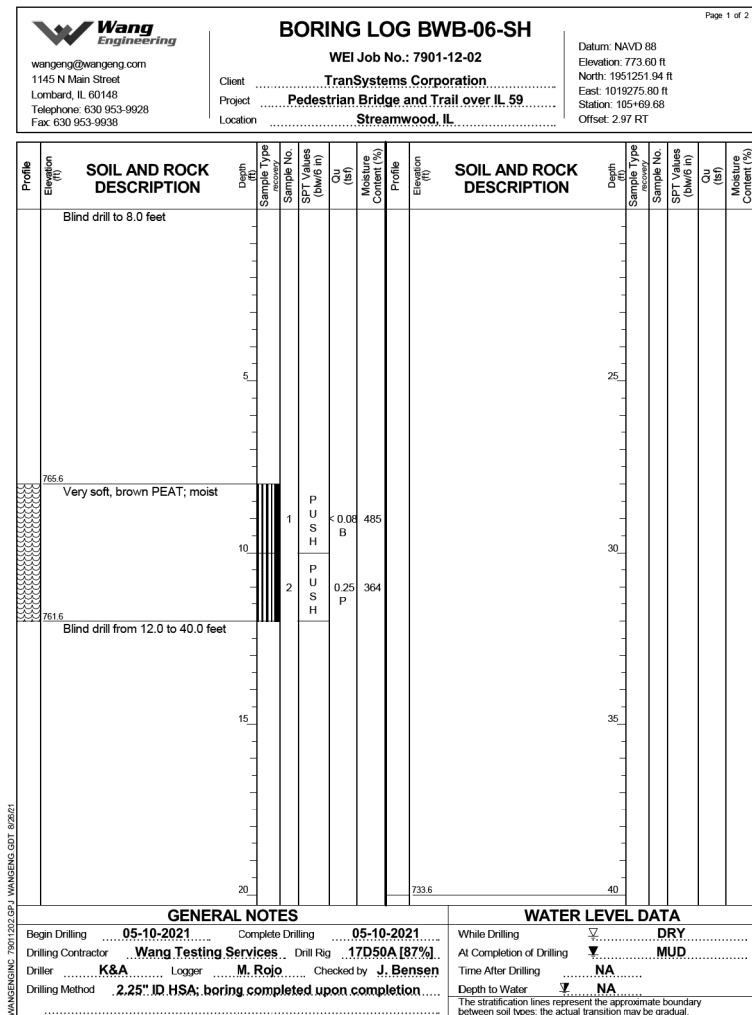
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	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 5  
 STRUCTURE NO. 016-8309**

SHEET 23 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	75
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	

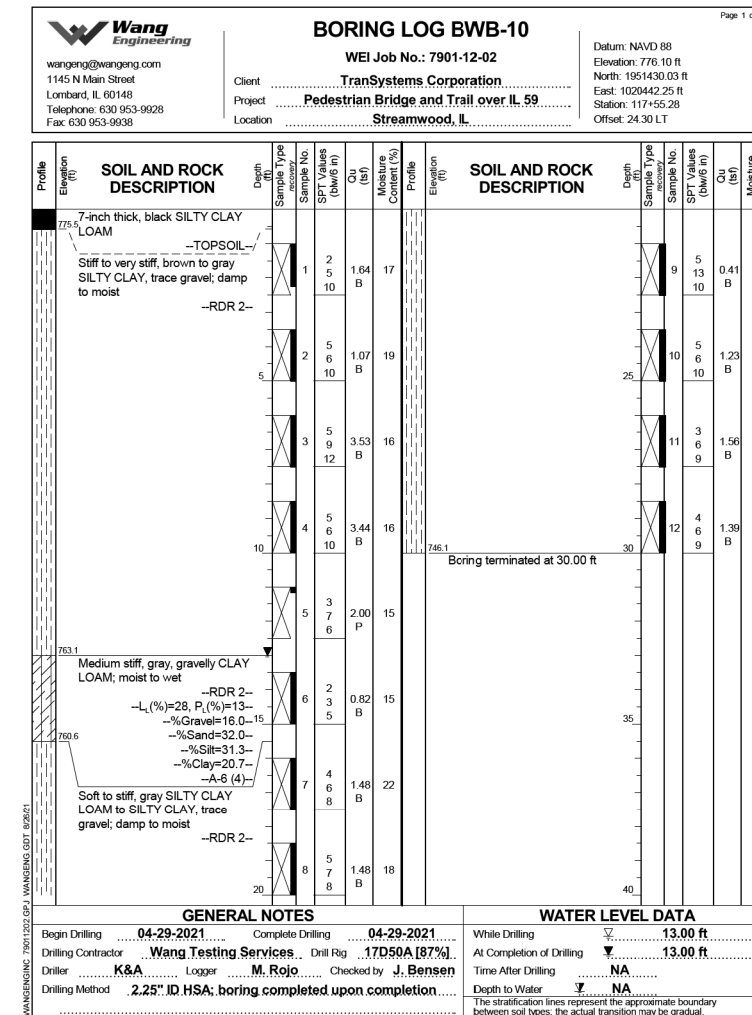
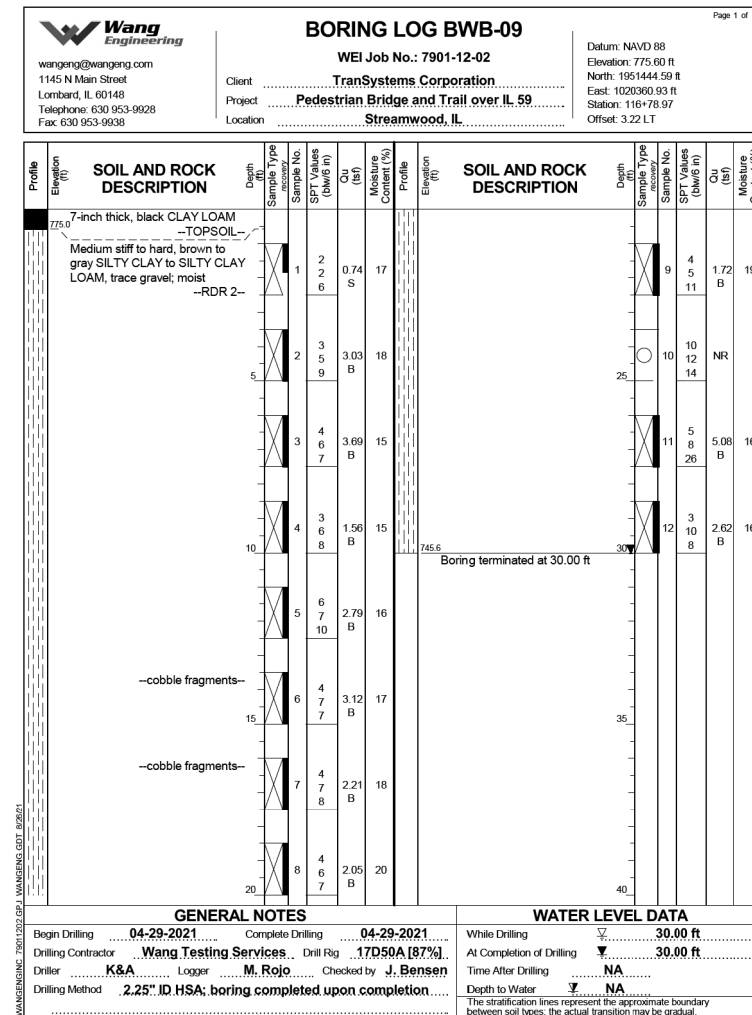
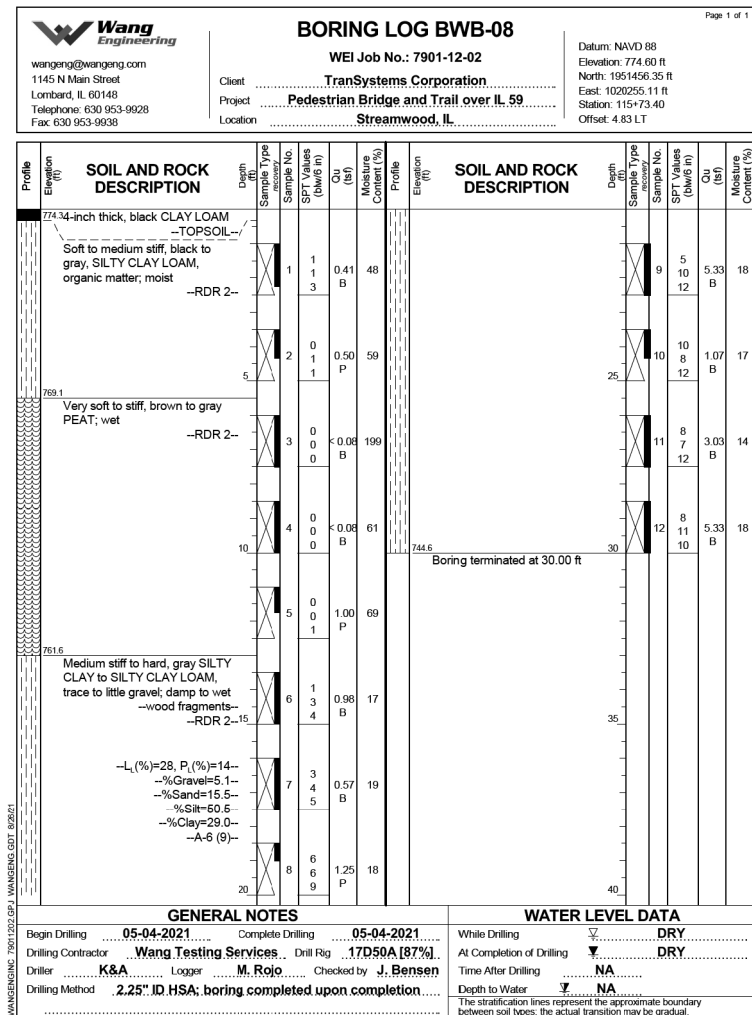


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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS - 6  
 STRUCTURE NO. 016-8309

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	76
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	



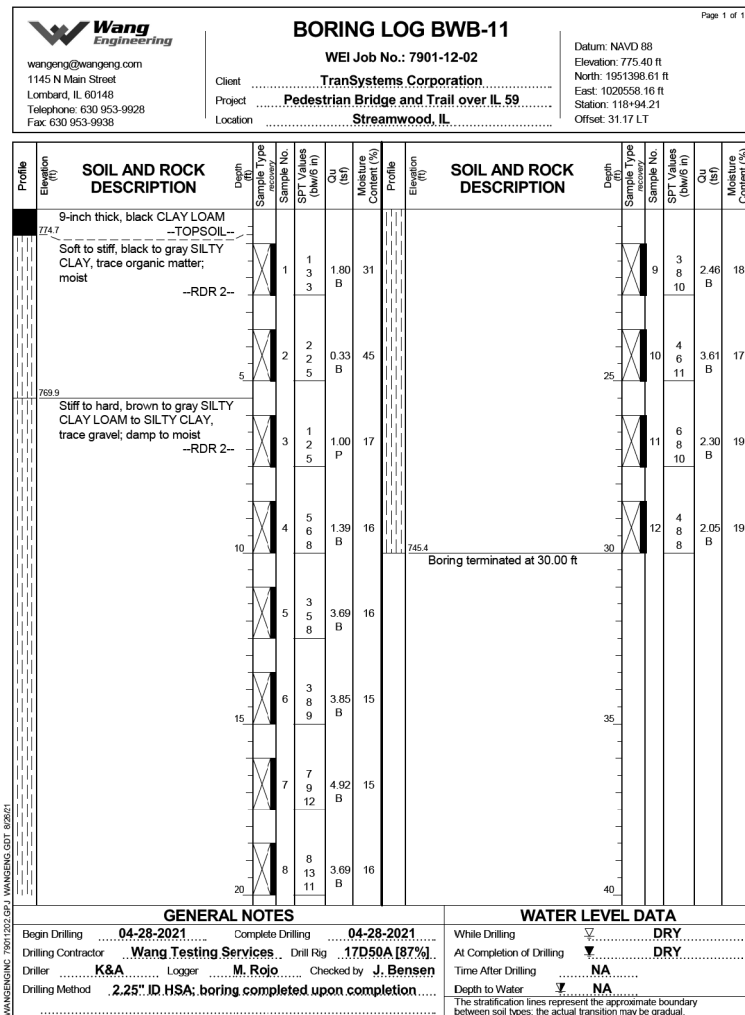
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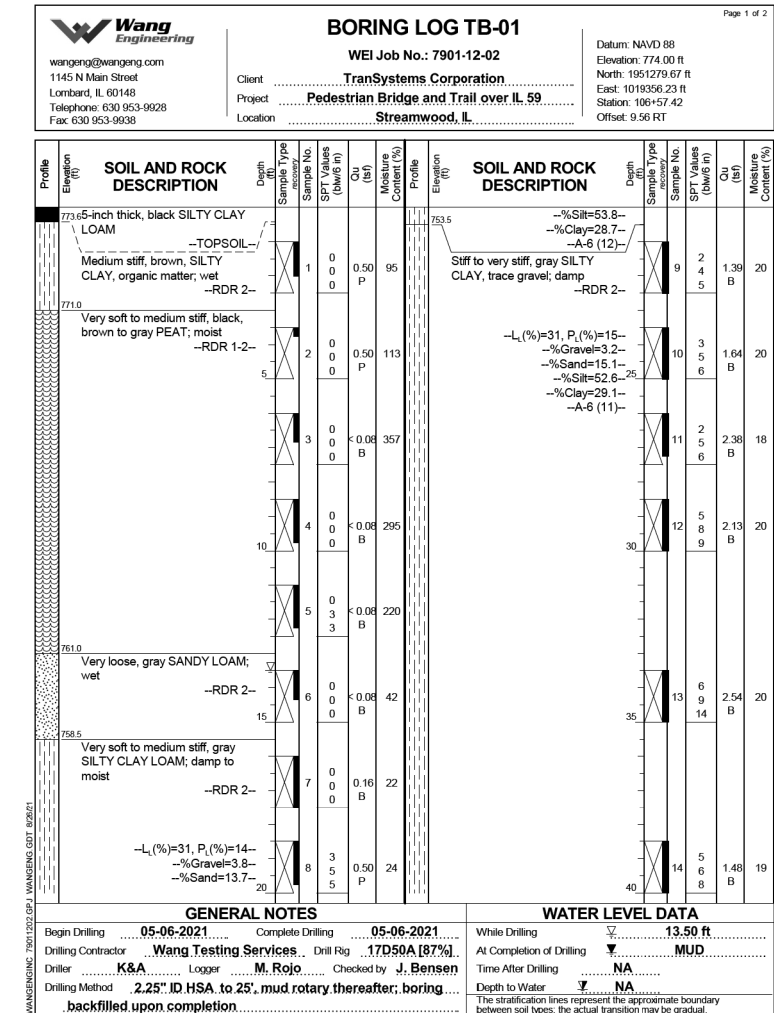
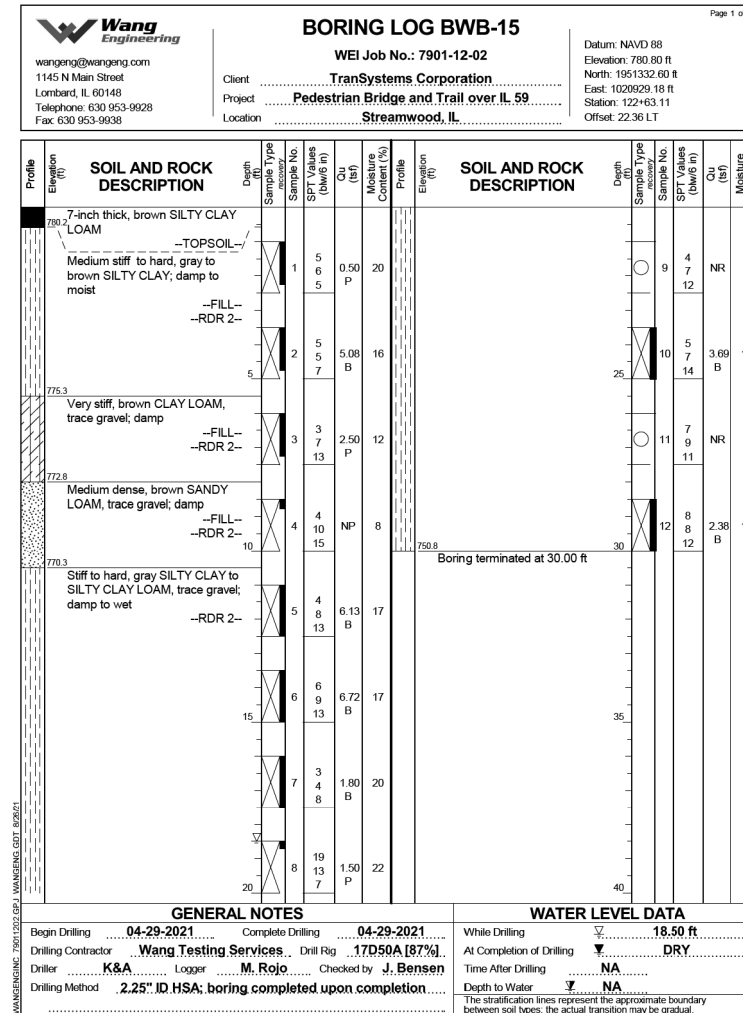
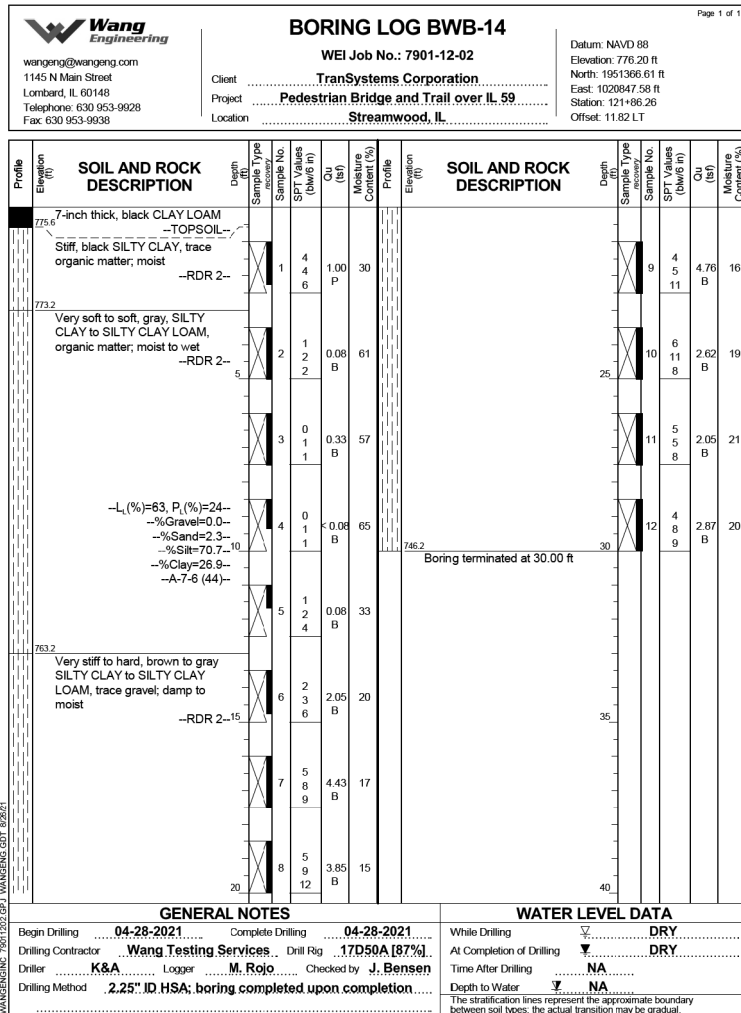
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 7  
 STRUCTURE NO. 016-8309**

SHEET 25 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	77
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	





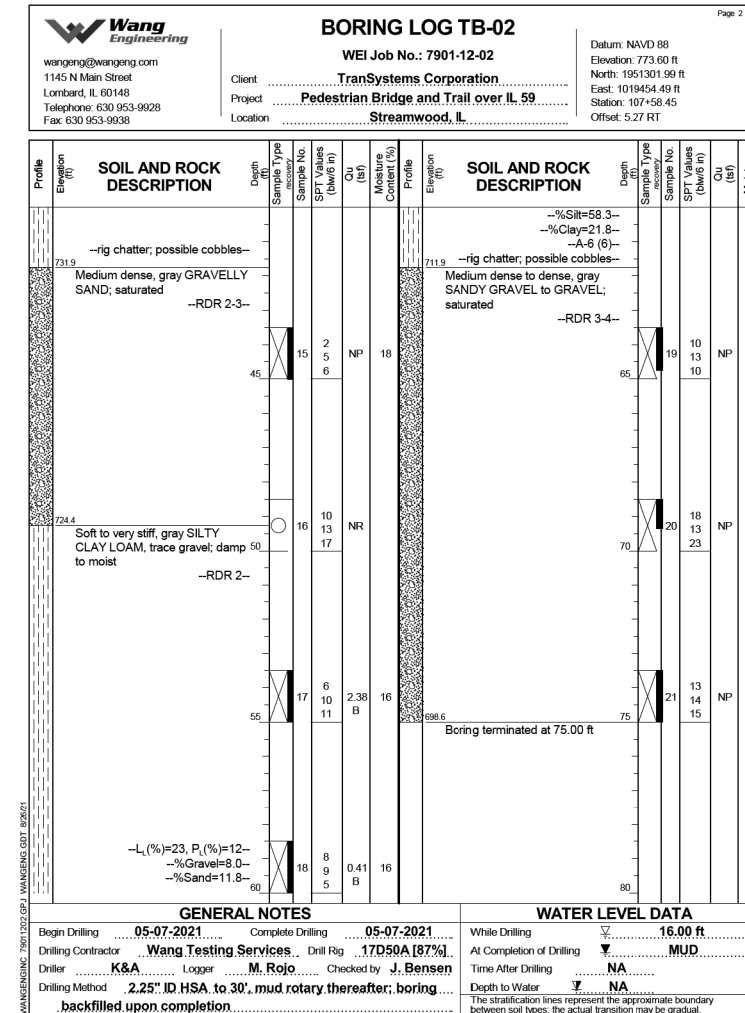
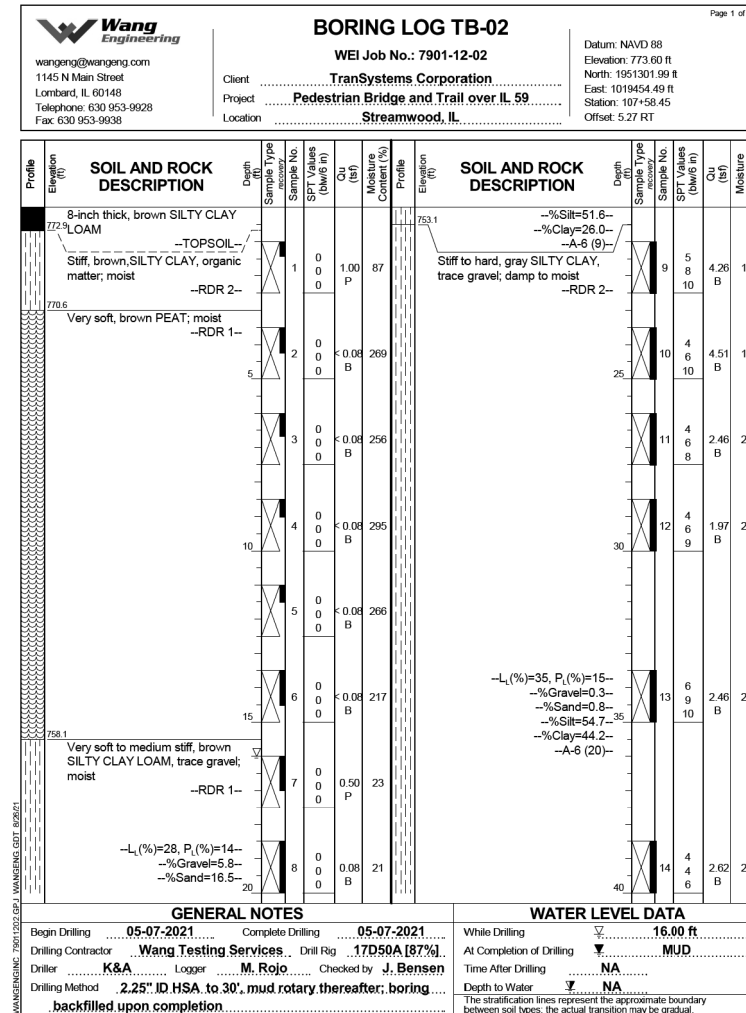
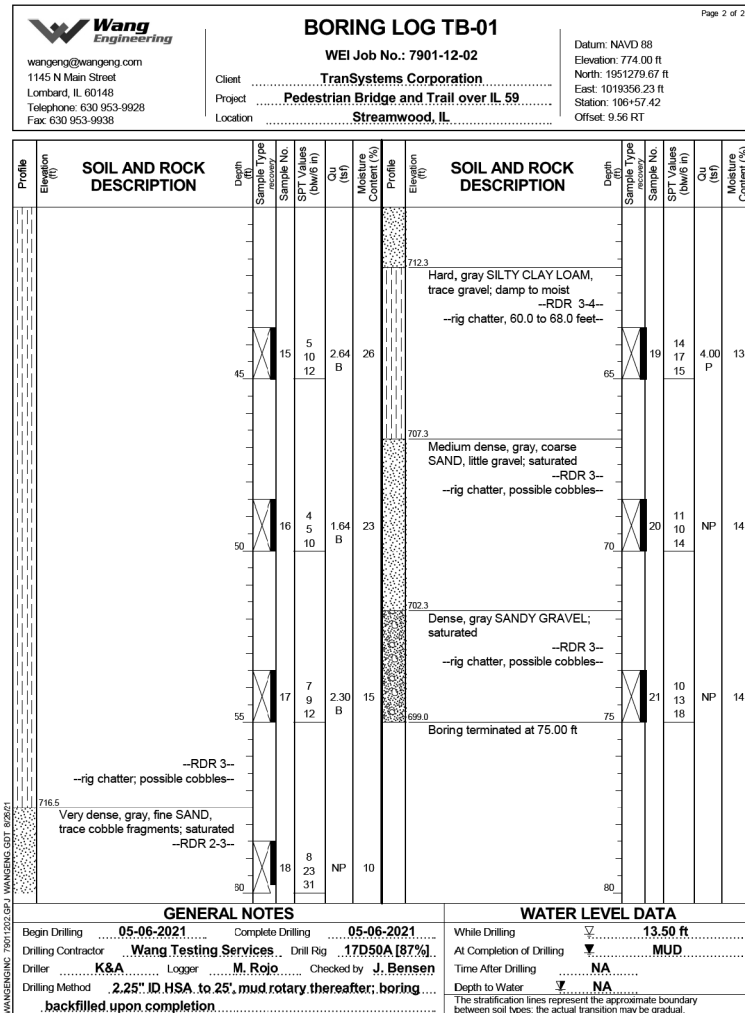
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		CHECKED -	MDS	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS - 9  
 STRUCTURE NO. 016-8309

SHEET 27 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	79
CONTRACT NO. 61J67				
ILLINOIS		FED. AID PROJECT		



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - MDS	REVISED -
PLOT DATE = 11/3/2023	DRAWN - JE	REVISED -
	CHECKED - MDS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 10  
 STRUCTURE NO. 016-8309**

SHEET 28 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	80
CONTRACT NO. 61J67				
		ILLINOIS	FED. AID PROJECT	

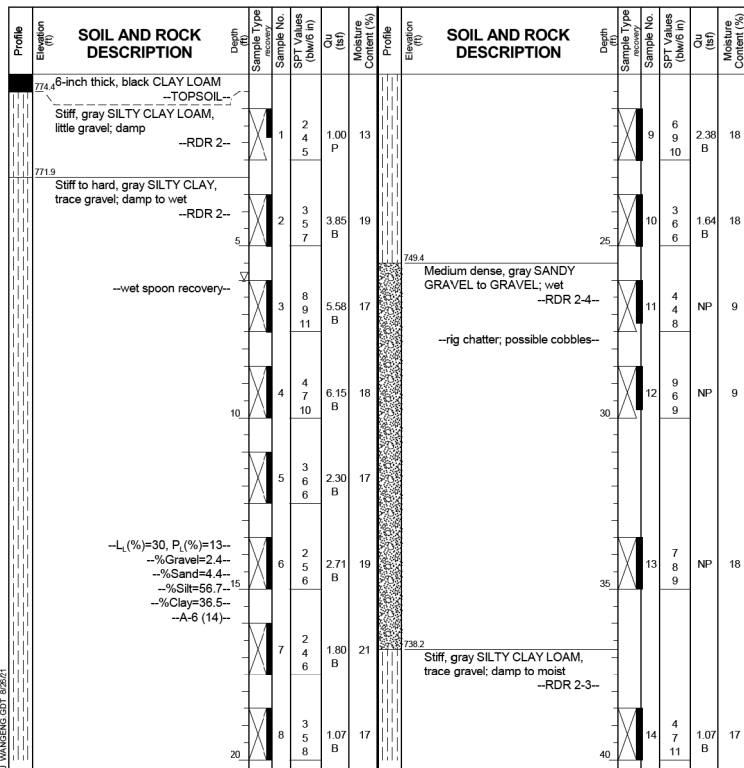


**Wang Engineering**  
 wengeng@wengeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG TB-03**  
 WEI Job No.: 7901-12-02  
 Client: TranSystems Corporation  
 Project: Pedestrian Bridge and Trail over IL 59  
 Location: Streamwood, IL

Datum: NAVD 88  
 Elevation: 774.90 ft  
 North: 1951386.20 ft  
 East: 1019891.04 ft  
 Station: 112+03.02  
 Offset: 0.20 RT

Page 1 of 2



**GENERAL NOTES**

Begin Drilling 05-04-2021 Complete Drilling 05-04-2021  
 Drilling Contractor Wang Testing Services, Drill Rig 17D50A [87%]  
 Driller K&A, Logger M. Rojo, Checked by J. Bensen  
 Drilling Method 2.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion

**WATER LEVEL DATA**

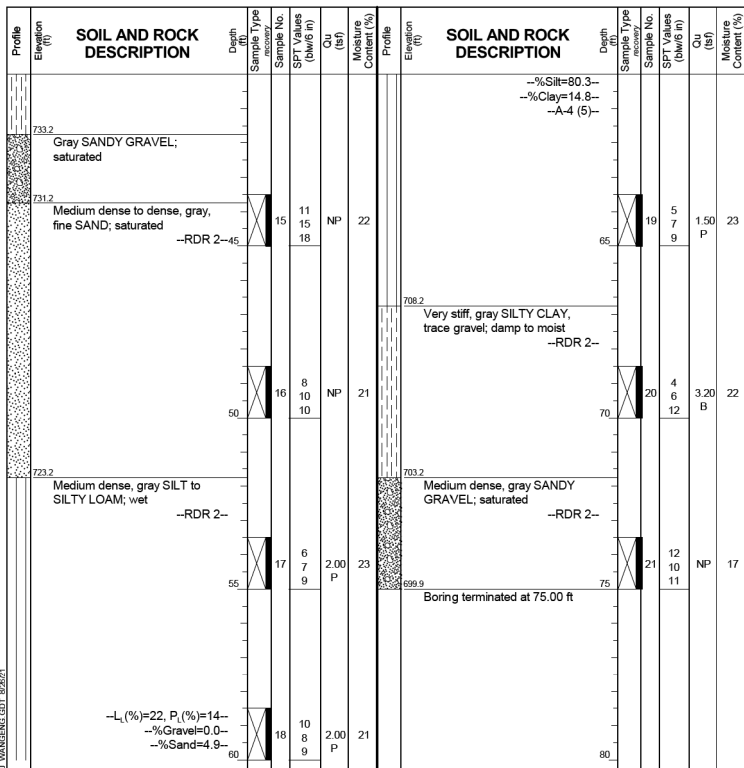
While Drilling 6.00 ft  
 At Completion of Drilling MUD  
 Time After Drilling NA  
 Depth to Water NA  
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

**Wang Engineering**  
 wengeng@wengeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG TB-03**  
 WEI Job No.: 7901-12-02  
 Client: TranSystems Corporation  
 Project: Pedestrian Bridge and Trail over IL 59  
 Location: Streamwood, IL

Datum: NAVD 88  
 Elevation: 774.90 ft  
 North: 1951386.20 ft  
 East: 1019891.04 ft  
 Station: 112+03.02  
 Offset: 0.20 RT

Page 2 of 2



**GENERAL NOTES**

Begin Drilling 05-04-2021 Complete Drilling 05-04-2021  
 Drilling Contractor Wang Testing Services, Drill Rig 17D50A [87%]  
 Driller K&A, Logger M. Rojo, Checked by J. Bensen  
 Drilling Method 2.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion

**WATER LEVEL DATA**

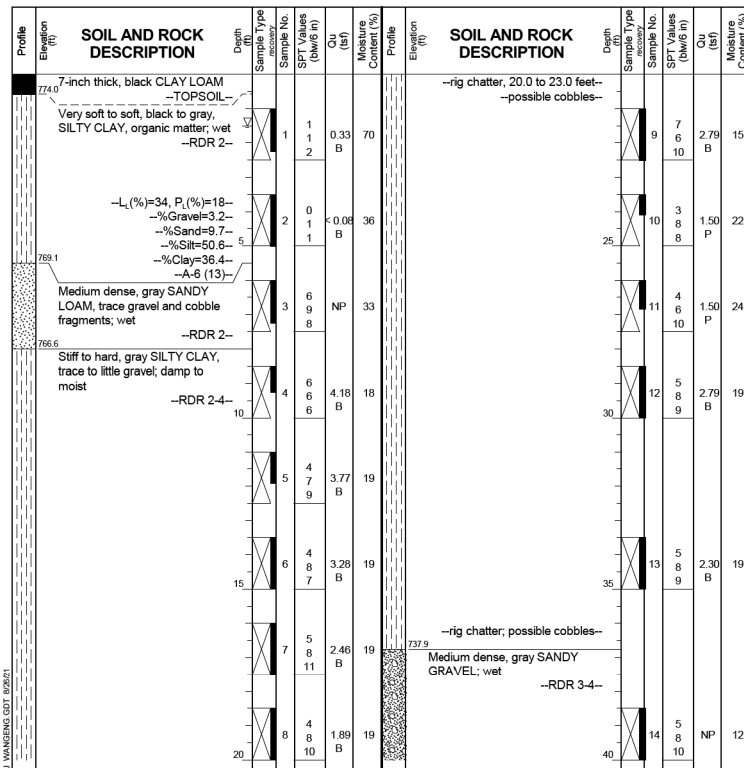
While Drilling 6.00 ft  
 At Completion of Drilling MUD  
 Time After Drilling NA  
 Depth to Water NA  
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

**Wang Engineering**  
 wengeng@wengeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG TB-04**  
 WEI Job No.: 7901-12-02  
 Client: TranSystems Corporation  
 Project: Pedestrian Bridge and Trail over IL 59  
 Location: Streamwood, IL

Datum: NAVD 88  
 Elevation: 774.60 ft  
 North: 1951409.89 ft  
 East: 1019999.14 ft  
 Station: 113.13 61  
 Offset: 3.86 LT

Page 1 of 2



**GENERAL NOTES**

Begin Drilling 05-03-2021 Complete Drilling 05-03-2021  
 Drilling Contractor Wang Testing Services, Drill Rig 17D50A [87%]  
 Driller K&A, Logger M. Rojo, Checked by J. Bensen  
 Drilling Method 2.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 1.50 ft  
 At Completion of Drilling MUD  
 Time After Drilling NA  
 Depth to Water NA  
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

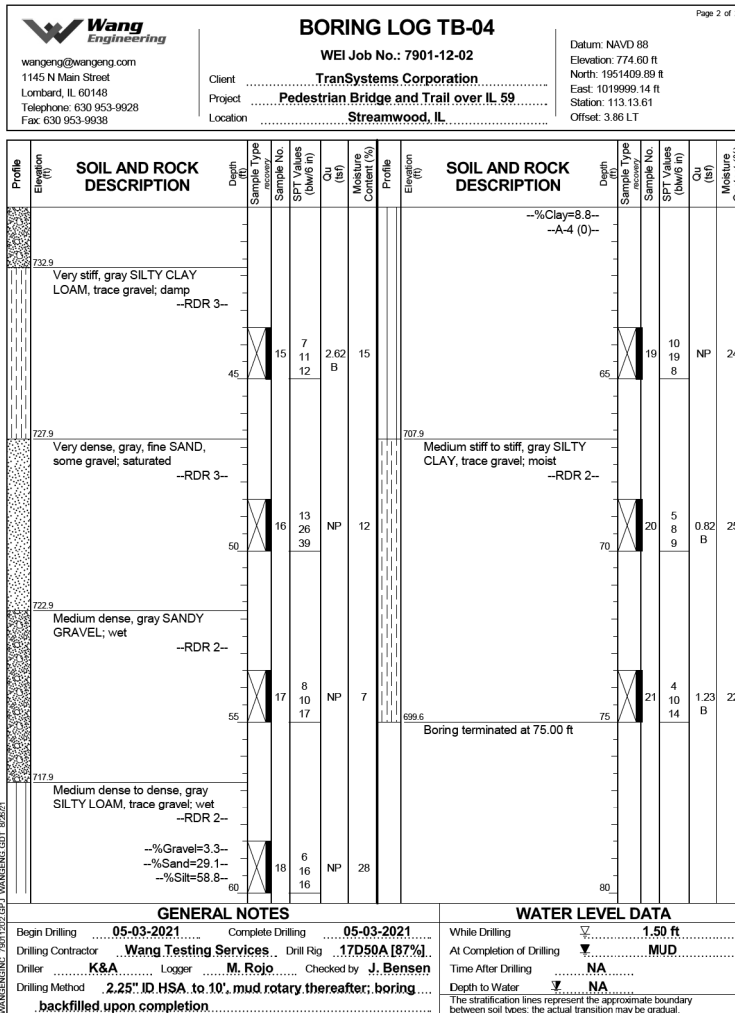


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PLOT DATE =	11/3/2023	DRAWN -	JE	REVISED -	
		CHECKED -	MDS	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS - 11  
 STRUCTURE NO. 016-8309

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	81
CONTRACT NO. 61J67				
ILLINOIS		FED. AID PROJECT		



USER NAME = Imnaingolan	DESIGNED - JE	REVISED -
CHECKED - MDS	REVISED -	
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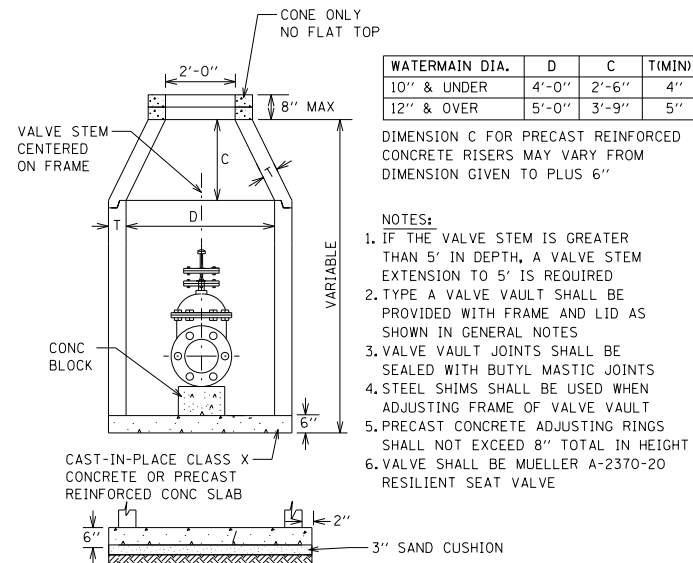
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS - 12  
 STRUCTURE NO. 016-8309**

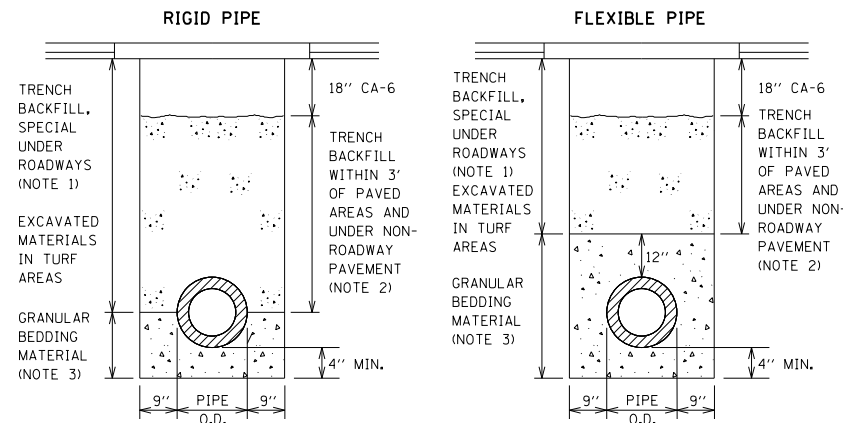
SHEET 30 OF 30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	82
CONTRACT NO. 61J67				
ILLINOIS FED. AID PROJECT				

**STANDARD DESIGN FOR VALVE VAULT (TYPE A)**

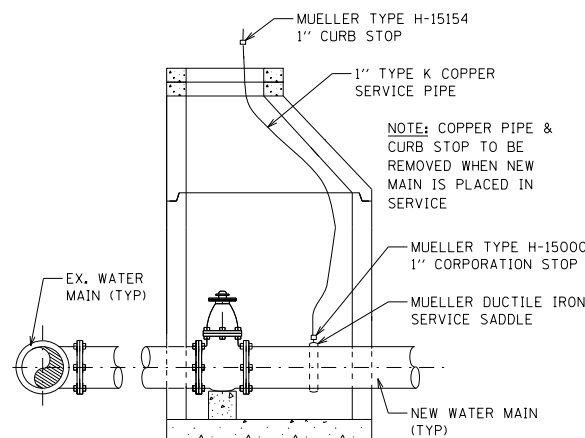


**TRENCH DETAILS**



- NOTES:
- TRENCH BACKFILL, SPECIAL SHALL BE CA-6 CRUSHED STONE OR CRUSHED GRAVEL COMPLYING WITH SECTION 1004 OF THE SSRB AND SHALL BE PLACED UNDER ALL ROADWAYS. TRENCH BACKFILL, SPECIAL SHALL BE COMPACTED BY METHOD 1 ONLY.
  - TRENCH BACKFILL SHALL BE FA-6 SAND OR LIMESTONE SCREENINGS COMPLYING WITH SECTION 1003 OF THE SSRB AND SHALL BE PLACED UNDER NON-ROADWAY PAVEMENT AND WITHIN 3 FEET OF ANY PAVEMENT. THE TOP 18" SHALL BE CA-6 CRUSHED STONE OR CRUSHED GRAVEL WHEN UNDER NON-ROADWAY PAVEMENT.
  - BEDDING MATERIAL SHALL BE CA-11 OR CA-13 AGGREGATE COMPLYING WITH SECTION 1004 OF THE SSRB

**DISINFECTION/FLUSHING TAP DETAIL**



MODEL: General Notes  
 FILE: Model: pld\Drawings\01-ae-transyscorp.com\transyscorp\pww\1\Documents\Projects\_2021\CH401 - Chicago\4101210087 - Streamwood - Pedestrian Bridge over IL 59 - Phase II\303.00 - Road\303.01 - Standard Sheets\14a Vill of Streamwood VM Details\Village of Streamwood VM

**TRANSYSTEMS**

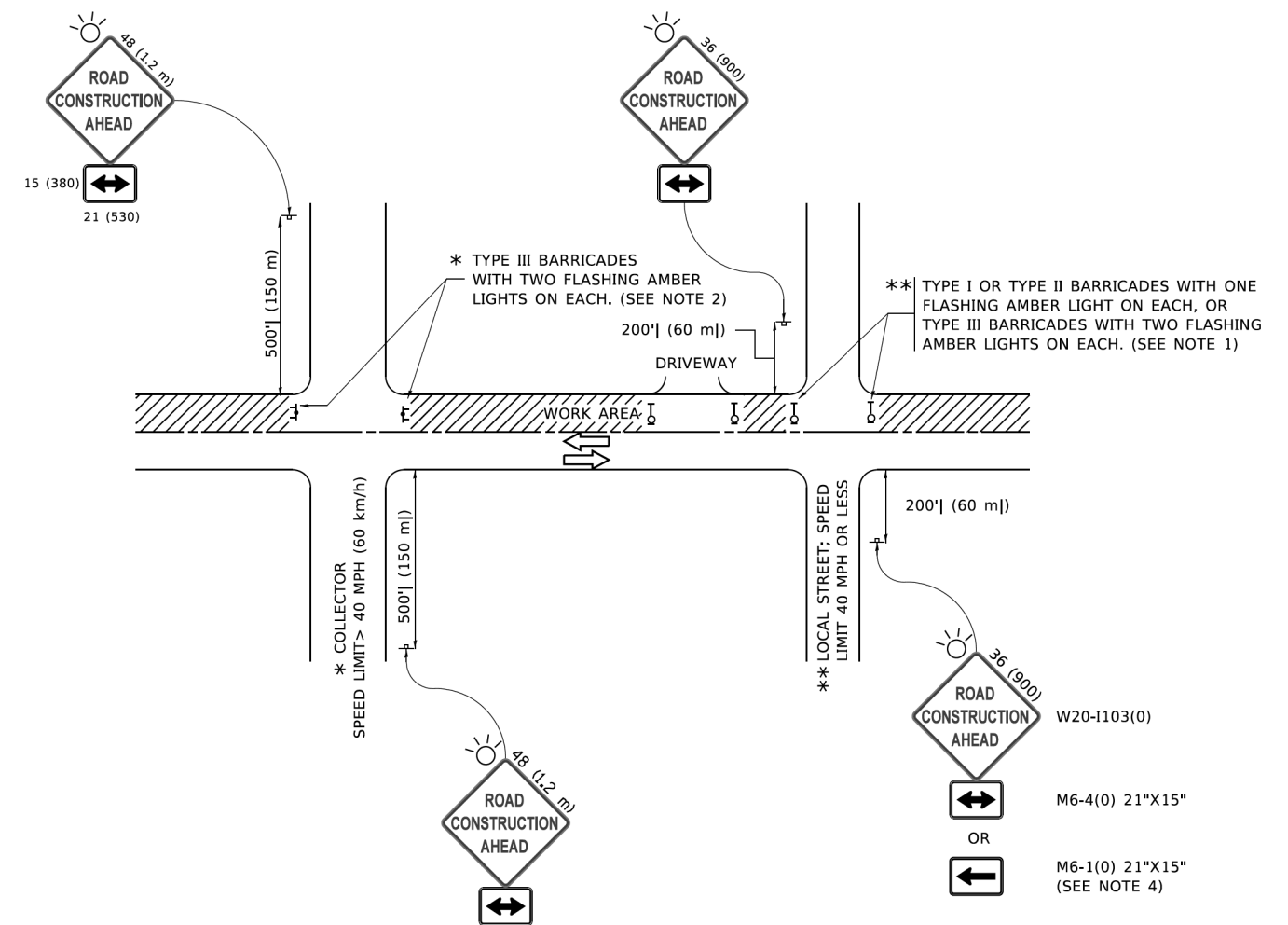
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 PEDESTRIAN OVERPASS  
VILLAGE OF STREAMWOOD WATER MAIN DETAILS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	83
CONTRACT NO. 61J67				
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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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

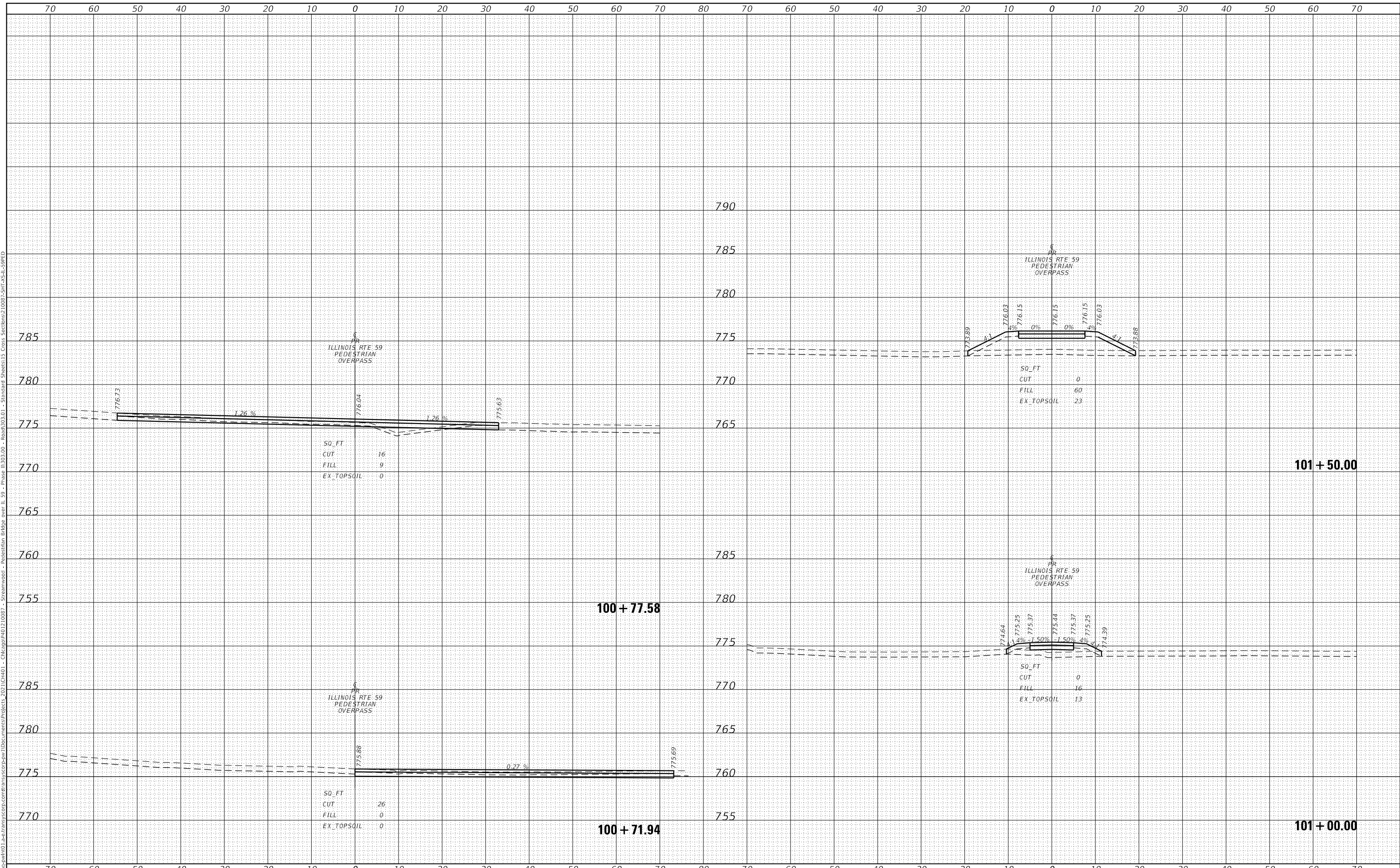
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	21-00067-00-BR	COOK	96	84
<b>TC-10</b>			CONTRACT NO. 61J67	
ILLINOIS   FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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**TRANSYSTEMS**

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PLOT DATE = 11/3/2023	CHECKED - WBL	REVISED -
	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
CROSS SECTIONS**

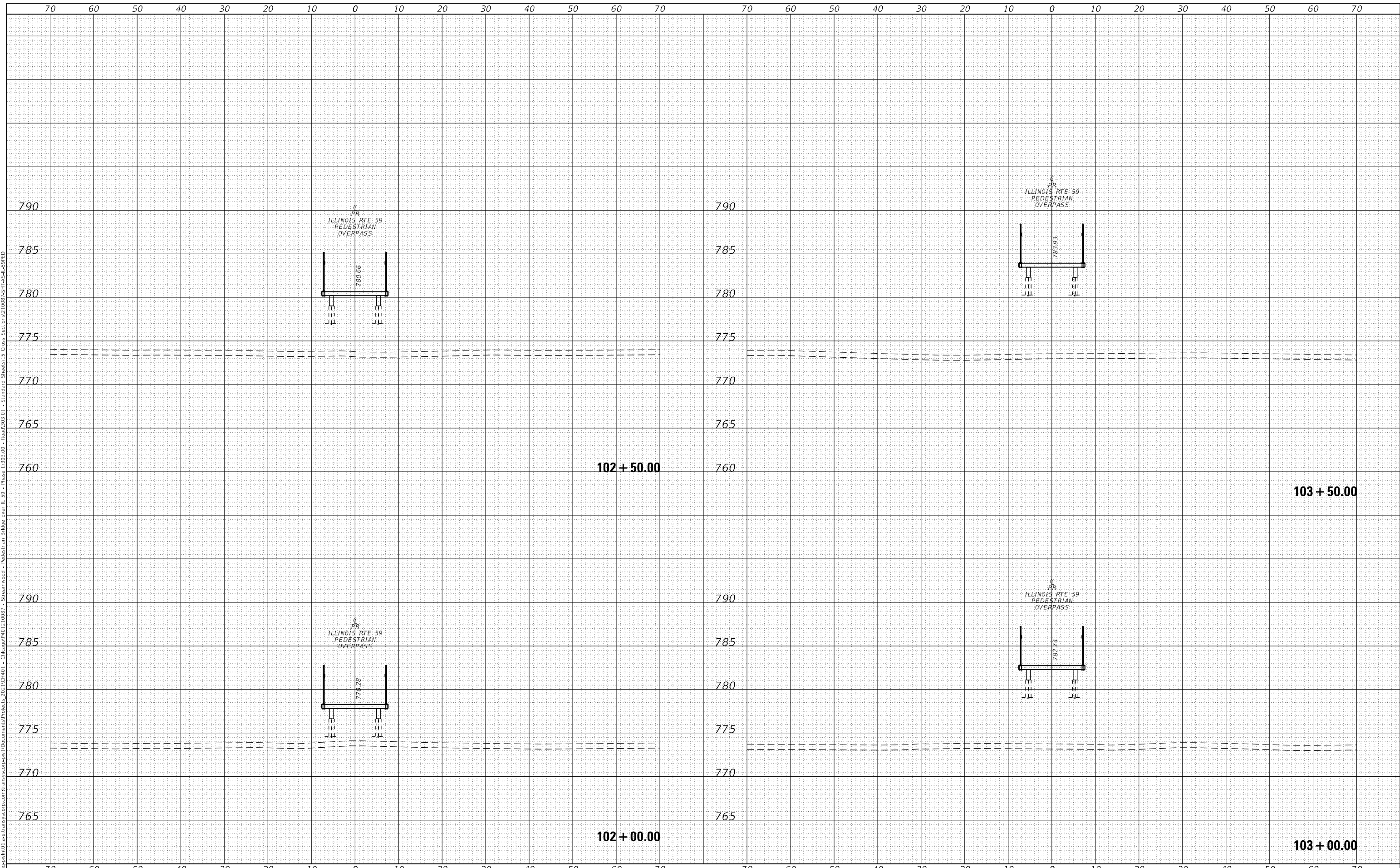
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87	21-00067-00-BR	COOK	96	85
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

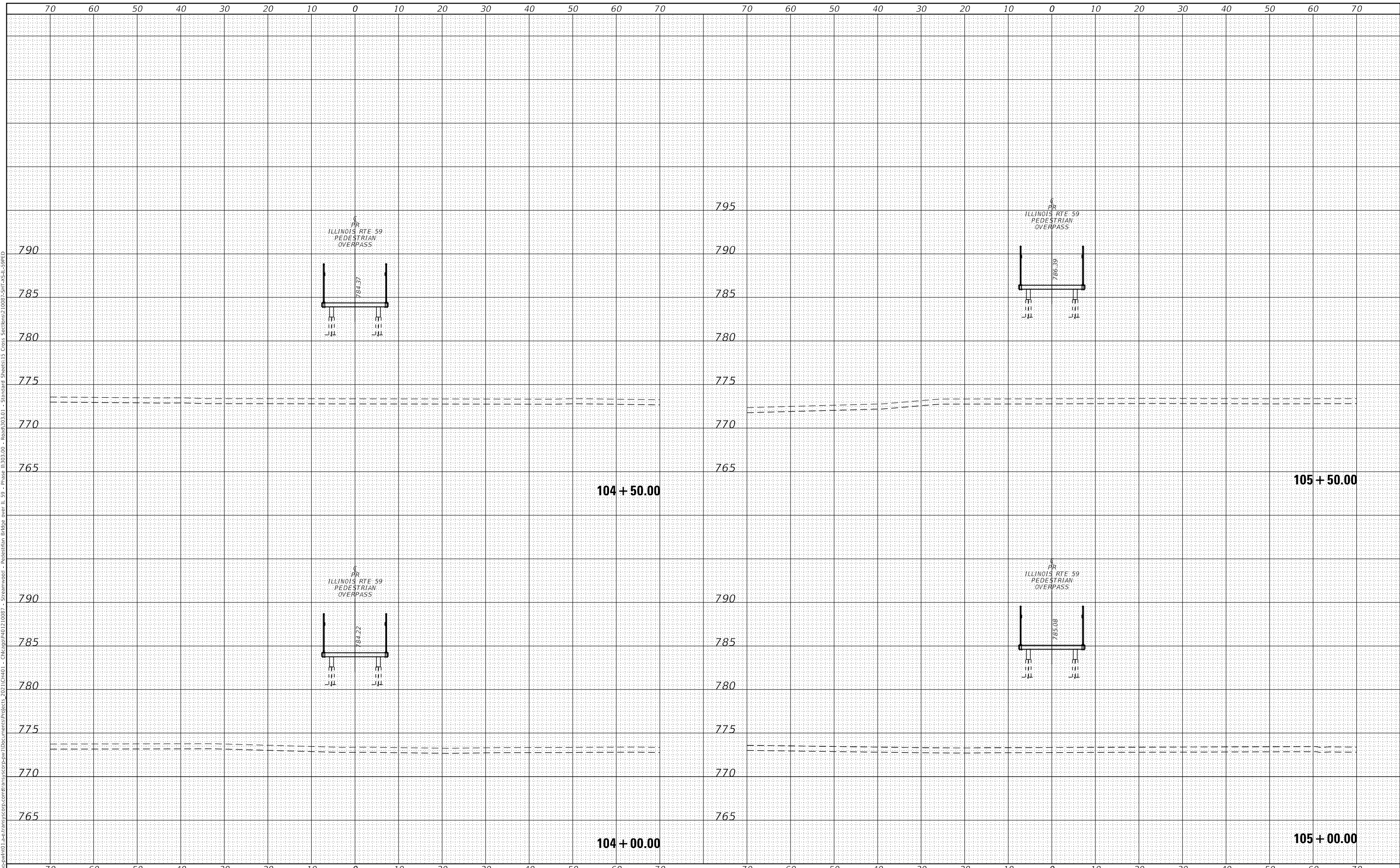
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87	21-00067-00-BR	COOK	96	86
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

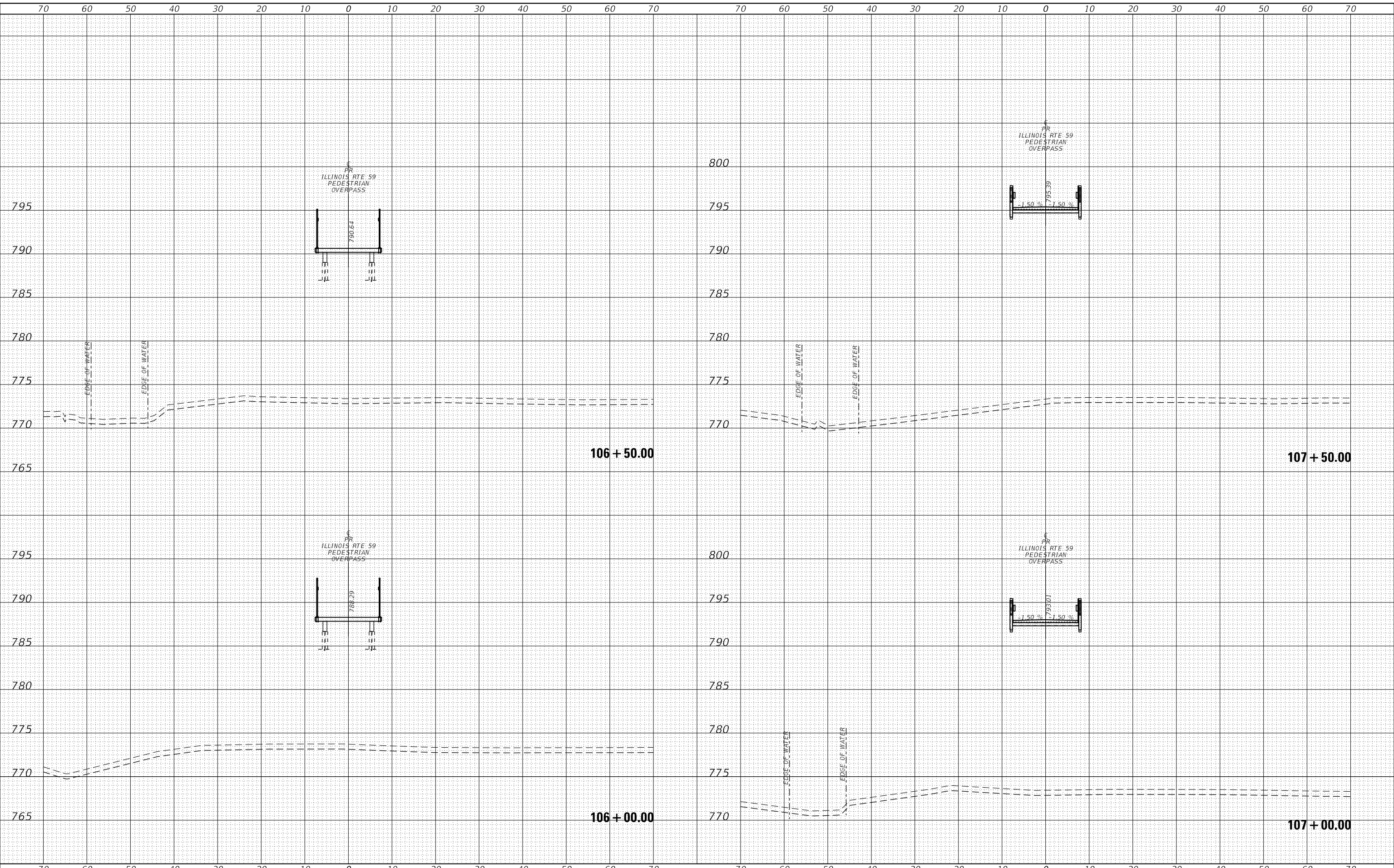
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STA. 103+50.00 TO STA. 105+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
87	21-00067-00-BR	COOK	96	87
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED
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	AREAS CHECKED

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED
	TEMPLATE
	AREAS CHECKED

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PLOT DATE =	11/3/2023

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

SCALE: 10H:5V    SHEET 4 OF 12 SHEETS    STA. 105+50.00 TO STA. 107+00.00

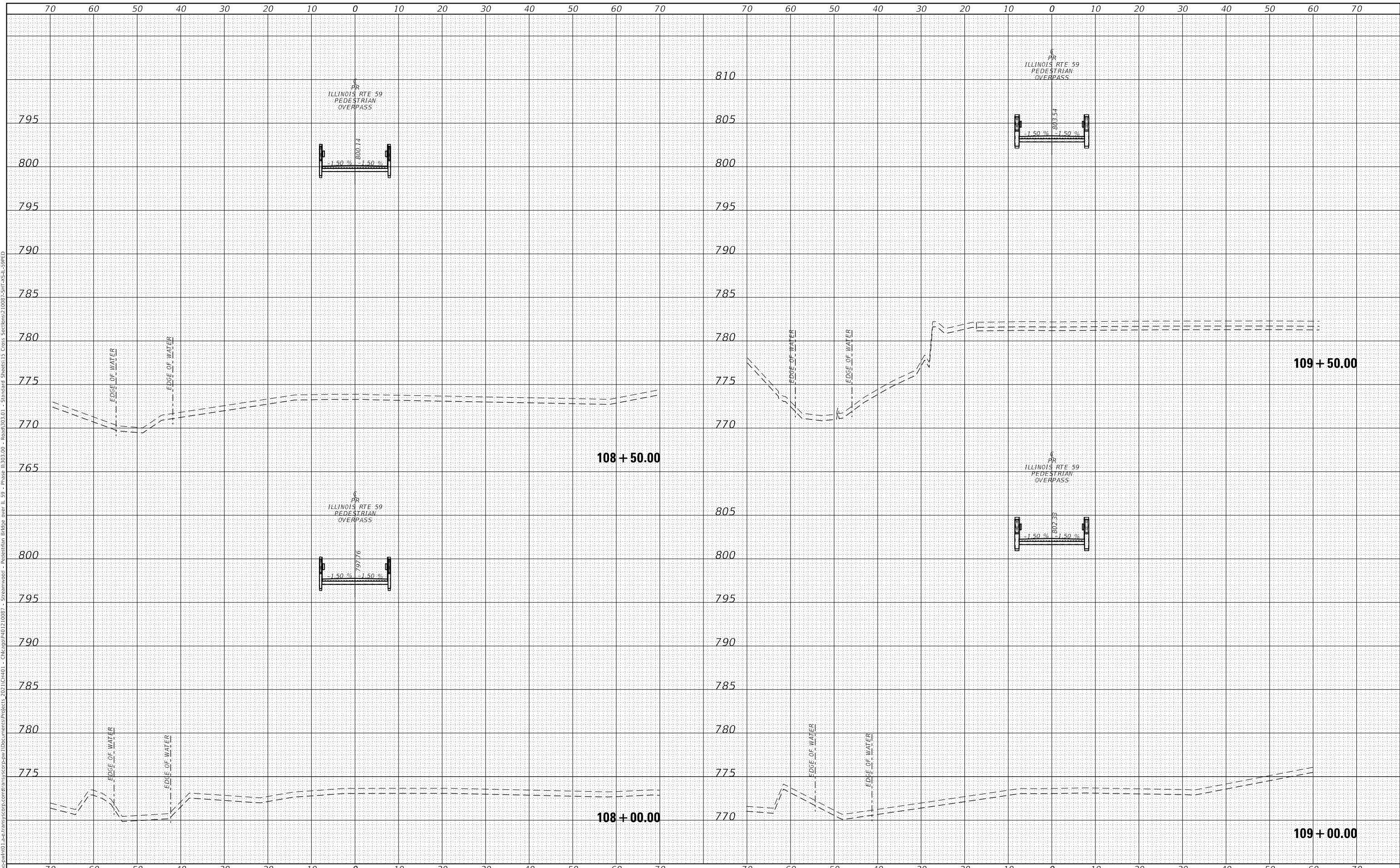
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87	21-00067-00-BR	COOK	96	88
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

SCALE: 10H:5V SHEET 5 OF 12 SHEETS STA. 107+50.00 TO STA. 109+00.00

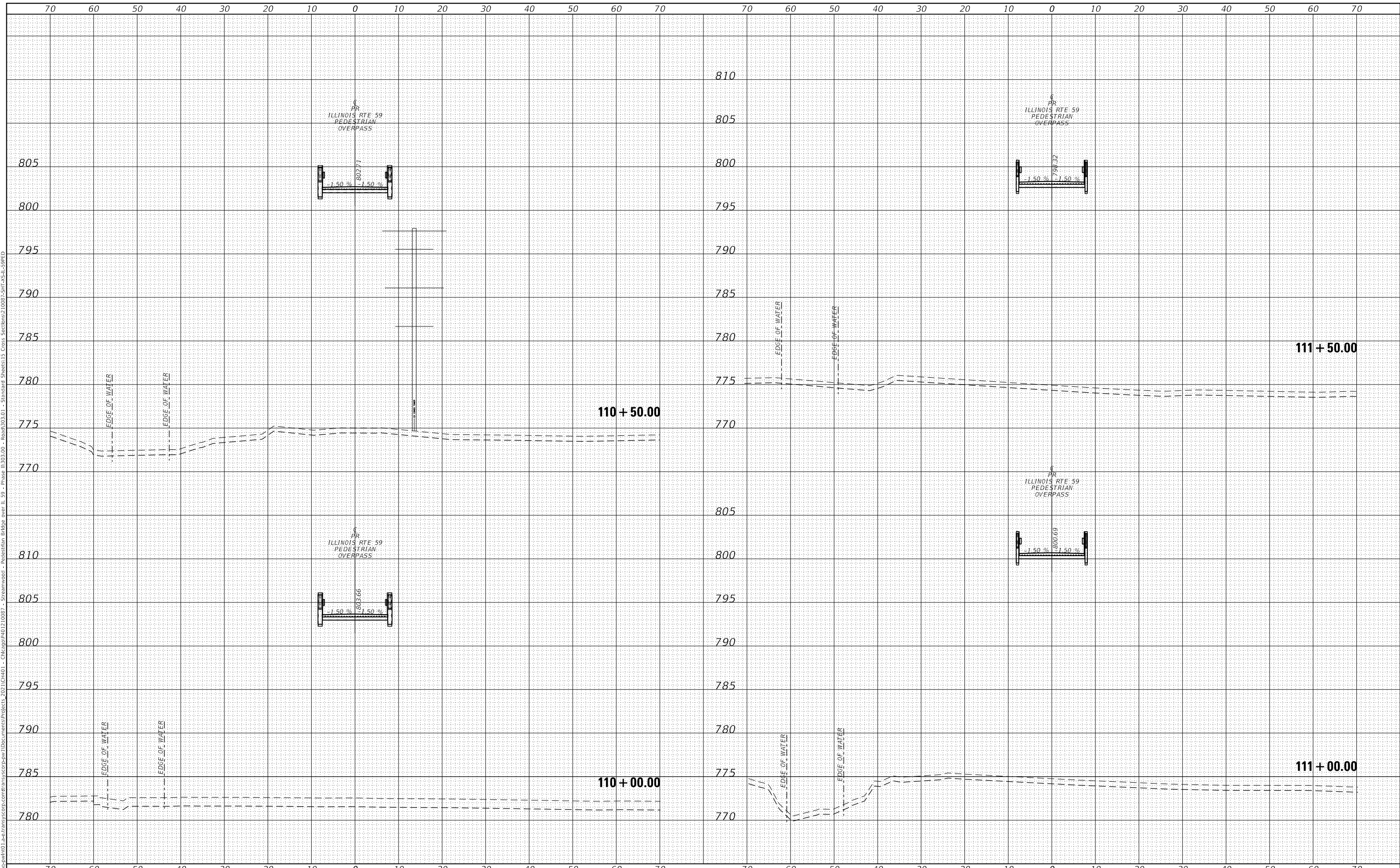
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87	21-0067-00-BR	COOK	96	89
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED
	AREAS CHECKED

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NOTE BOOK	PLOTTED
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PLOT DATE = 11/3/2023	DATE - 09/30/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

SCALE: 10H:5V SHEET 6 OF 12 SHEETS STA. 109+50.00 TO STA. 111+00.00

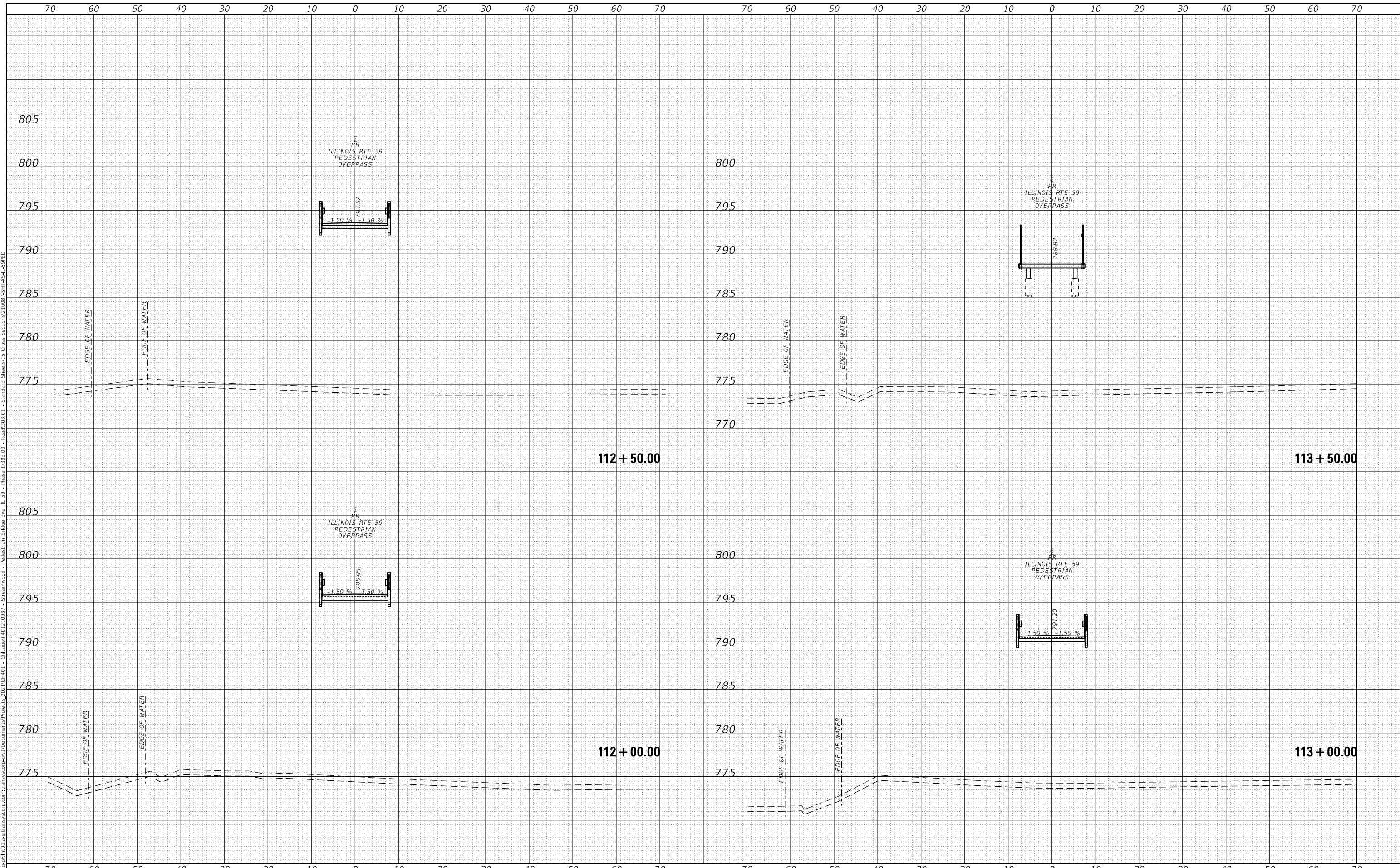
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87	21-00067-00-BR	COOK	96	90
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DATE	
BY	
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NOTE BOOK	PLOTTED
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**TRANSYSTEMS**

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DATE -	09/30/23

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

SCALE: 10H:5V SHEET 7 OF 12 SHEETS STA. 111+50.00 TO STA. 113+00.00

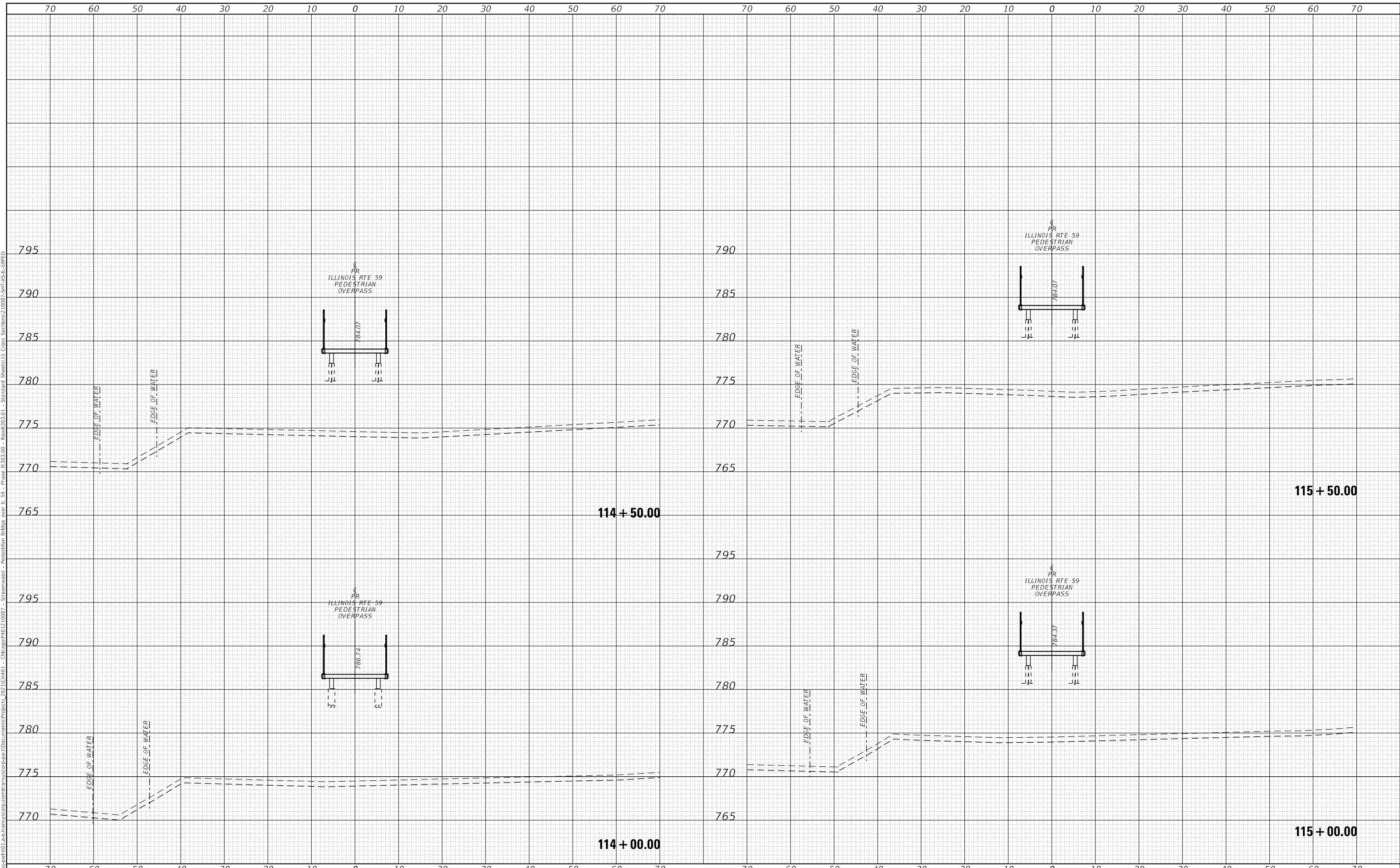
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87	21-00067-00-BR	COOK	96	91
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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**TRANSYSTEMS**

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

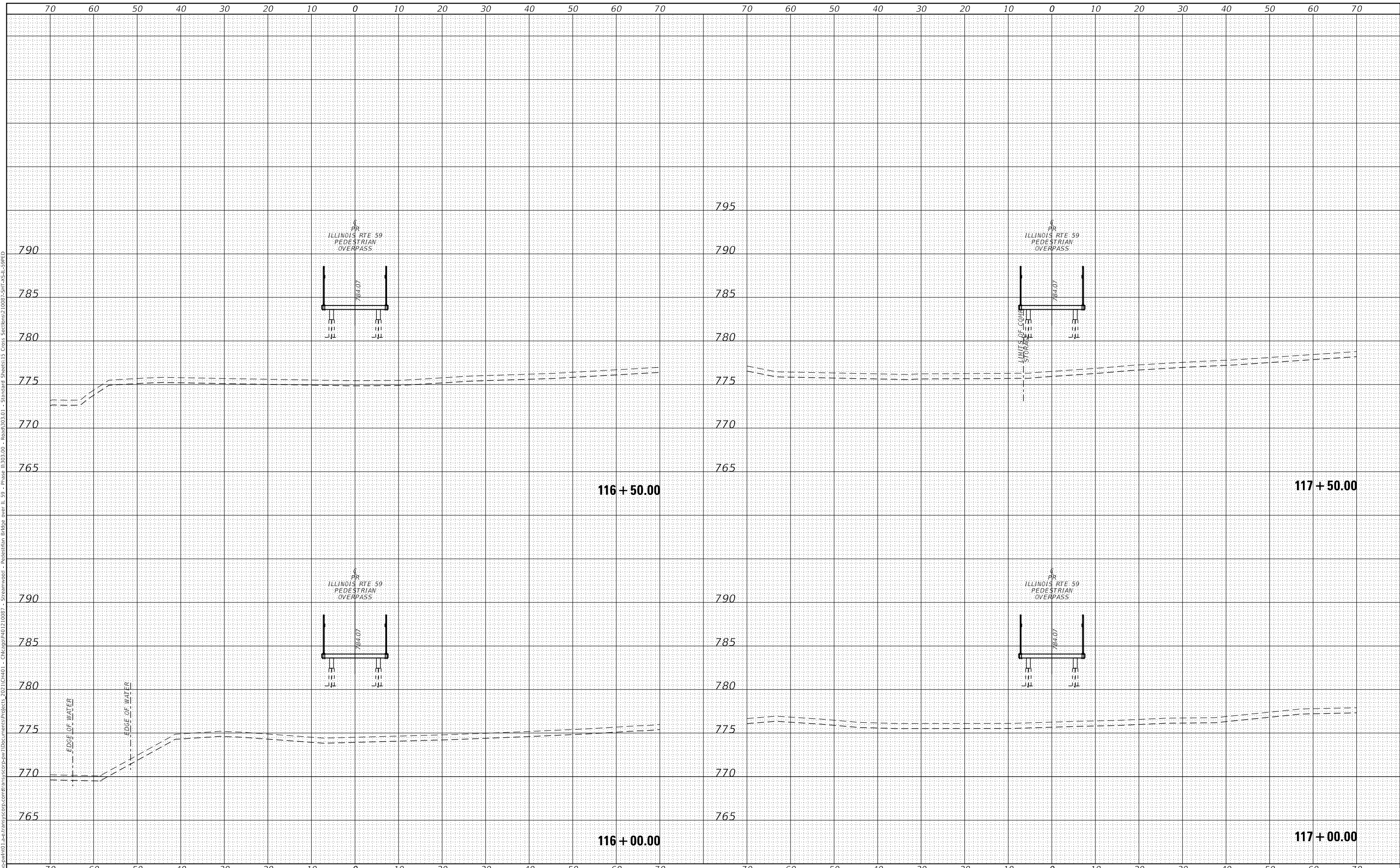
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
87	21-00067-00-BR	COOK	96	92
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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**TRANSYSTEMS**

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

SCALE: 10H:5V    SHEET 9 OF 12 SHEETS    STA. 115+50.00 TO STA. 117+00.00

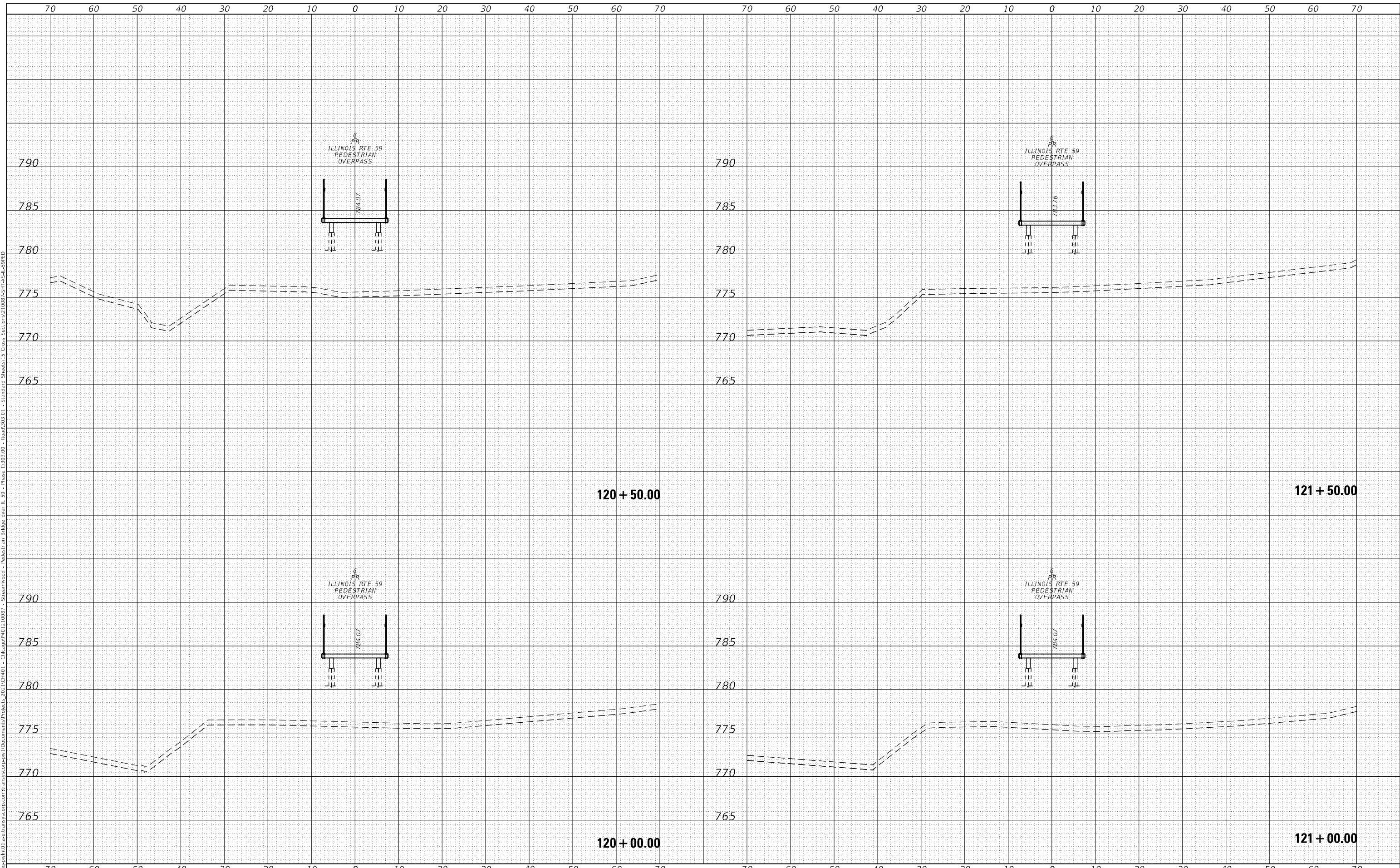
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87	21-00067-00-BR	COOK	96	93
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
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**TRANSYSTEMS**

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
 CROSS SECTIONS**

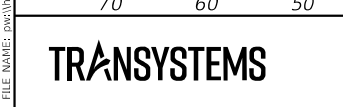
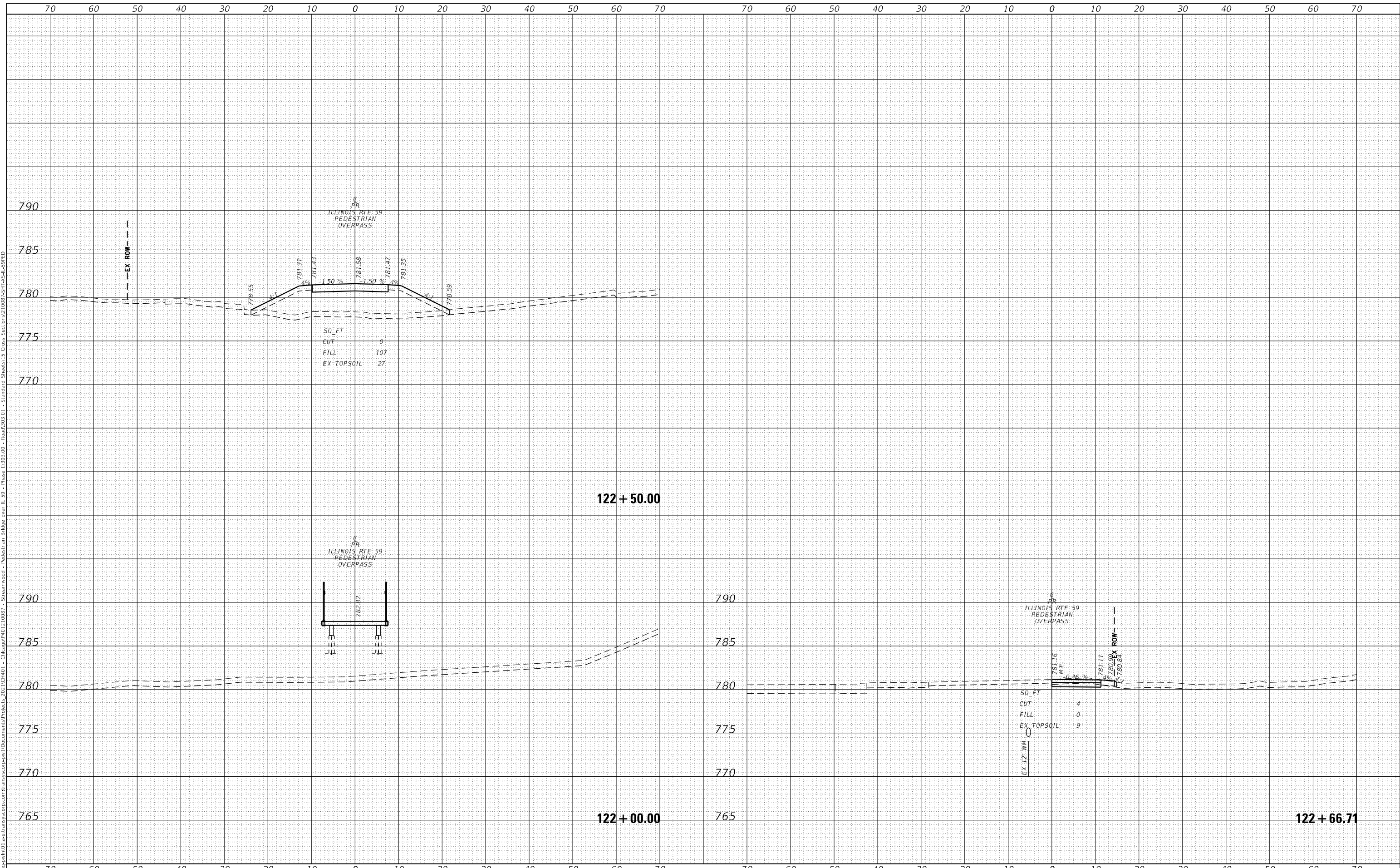
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
87	21-00067-00-BR	COOK	96	95
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
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PLOT DATE =	11/3/2023	DATE -	09/30/23	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 - PEDESTRIAN OVERPASS  
CROSS SECTIONS**

SCALE: 10H:5V    SHEET 12 OF 12 SHEETS    STA. 121+50.00 TO STA. 122+66.71

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
87	21-00067-00-BR	COOK	96	96
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				