

INDEX OF SHEETS

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HIGHWAY STANDARDS

SEE SHEET 2 FOR LIST OF HIGHWAY STANDARDS

DISTRICT 1 DETAILS

SEE SHEET 2 FOR LIST OF DISTRICT 1 DETAILS

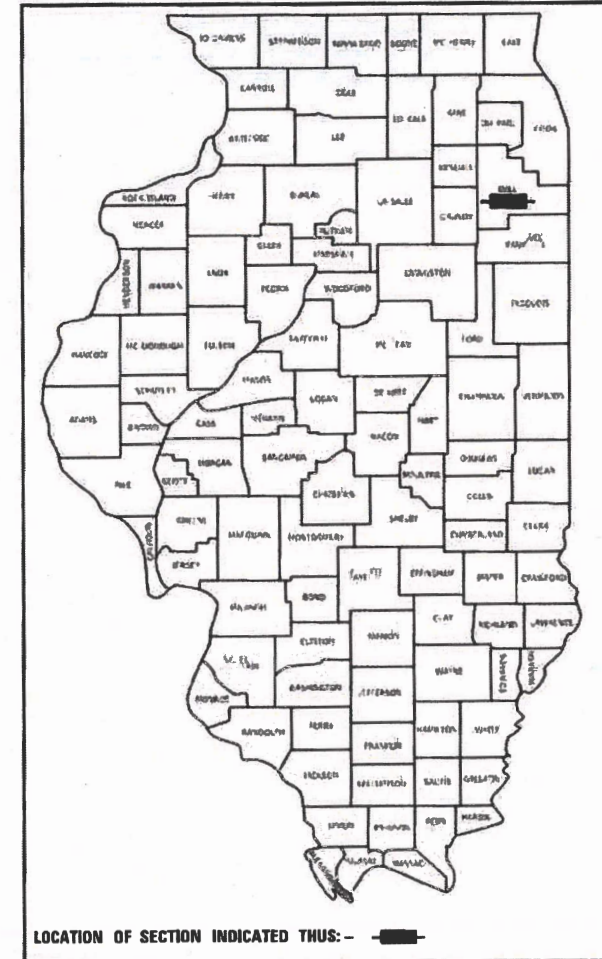
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

TR 181 (BAKER ROAD)
OVER JACKSON CREEK
BRIDGE REPLACEMENT
SECTION 14-12112-01-BR
PROJECT K1IM(639)
MANHATTAN TOWNSHIP
WILL COUNTY
C-91-183-15

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	70	1
		ILLINOIS	CONTRACT NO. 61H32	



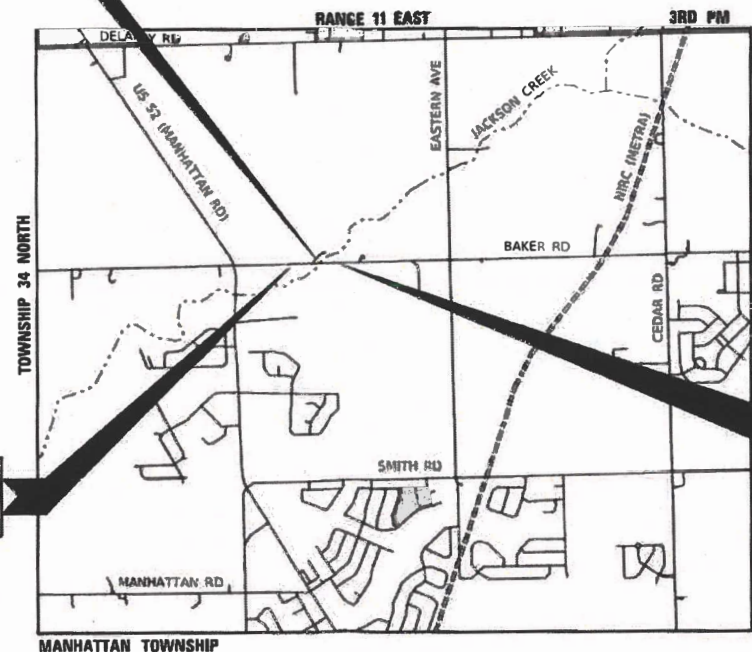
CiorbaGroup
CONSULTING ENGINEERS
DESIGN FIRM REGISTRATION NUMBER: 184-001016
8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

EXISTING S.N. 099-3154
PROPOSED S.N. 099-3155
STA 209+23.00
FOUR SPAN PPC DECK BEAM
BRIDGE WITH INTEGRAL ABUTMENTS

DESIGN DESIGNATION

BAKER ROAD:
FUNCTIONAL CLASSIFICATION = LOCAL ROAD
ADT (2019) = 2,550
ADT (2040) = 4,000
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH
TRAFFIC FACTOR = 0.82(FD-20)

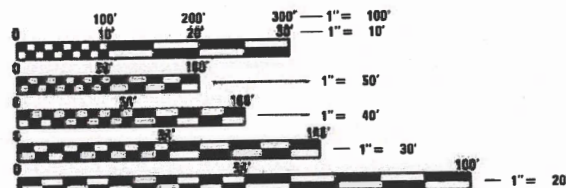
BEGIN PROJECT
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END PROJECT
STA 214+00.00

LOCATION MAP
(NOT TO SCALE)

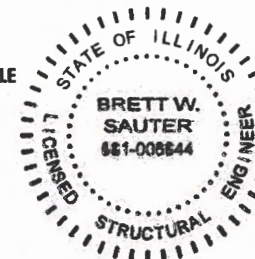
GROSS & NET LENGTH = 1,100.00 FT. = 0.208 MILE



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

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



DATE: 7/29/2024
SEAL EXPIRES: 11/30/2024

DATE: 7/29/2024
SEAL EXPIRES: 11/30/2025

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	August 21 20 24 <i>James Ballou</i> MANHATTAN TOWNSHIP, HIGHWAY COMMISSIONER
PASSED	Sept. 3 20 24 <i>C. Hall</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	Sept 3 20 24 <i>[Signature]</i> REGIONAL ENGINEER

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

CONTRACT NO. 61H32

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HIGHWAY STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRANS
601101-02	CONCRETE HEADWALLS FOR PIPE UNDERDRANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-09	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

IDOT DISTRICT 1 DETAILS

STANDARD NO.	LIST OF DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15'
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
INDEX OF SHEETS AND STANDARDS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	2
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

- THE FINAL TOP SIX INCHES OF SOIL IN DISTURBED RIGHT-OF-WAY AREA BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.
- A PROOF ROLL OF THE SUBGRADE IS REQUIRED PRIOR TO PLACING THE AGGREGATE SUB-BASE AND MUST BE OBSERVED BY THE ENGINEER. NOTIFY THE ENGINEER AT LEAST TWENTY FOUR (24) HOURS IN ADVANCE TO DOING THE PROOF ROLL.
- MANHATTAN TOWNSHIP MUST BE NOTIFIED A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF ANY NON-EMERGENCY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
- THE LOCATION AND ELEVATIONS OF THE UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM TO PREVENT DAMAGE.
- THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITIES TO MAKE THE NECESSARY ADJUSTMENTS PRIOR TO THIS CONSTRUCTION.
- THE UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS INCLUDE:

AT&T ATTN: MICHAEL WASSOM PH: 630-573-5699 EMAIL: mw3549@att.com	MCI ATTN: INVESTIGATION TEAM PH: 262-754-3063 EMAIL: Investigations@verizon.com	PEOPLES GAS DELIVERY ATTN: KYLE FRAYN EMAIL: kyle.frayn@peoplesgasdelivery.com
COMED ATTN: NICK TULEJA PH: 440-796-8979 EMAIL: Nicholas.Tuleja@ComEd.com	MUSTANG PIPELINE ATTN: ANDREW ZASTROW PH: 779-739-4262 EMAIL: andrew.zastrow@exxonmobil.com	
ENTERPRISE ATTN: BLAKE D. HAMILTON PH: 815-277-7286 EMAIL: bhamilton@eprod.com	NICOR ATTN: CHIP PARROTT PH: 630-388-3319 EMAIL: cparrot@southernco.com	
- ALL CONSTRUCTION MATERIALS WITHIN THE TOWNSHIP RIGHT-OF-WAY MUST BE IDOT CERTIFIED. DOCUMENTATION OF MATERIAL CERTIFICATION SHALL BE SUBMITTED PRIOR TO ENGINEER APPROVAL. ALL CONSTRUCTION MATERIAL NEEDING INSPECTION SHALL BE DONE ACCORDING TO THE LATEST IDOT PROJECT AND PROCEDURES GUIDE.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER A LIST OF MATERIALS USED AND IDENTIFY THEIR ASSOCIATED IDOT CERTIFICATION. SHALL PROVIDE THE ENGINEER WITH A COPY OF ALL MATERIAL TESTING COMPANY RESULTS, SHALL SIGN AND PROVIDE THE ENGINEER ON A WEEKLY BASIS WEEKLY FIELD REPORTS UTILIZING THE APPROPRIATE IDOT FORM, SHALL SUBMIT TO THE ENGINEER A CERTIFICATION LETTER THAT CERTIFIES COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
- ALL CONSTRUCTION TO BE ACCORDING TO IDOT DESIGN AND STANDARD SPECIFICATIONS, MUST ADHERE TO THE WILL COUNTY DIVISION OF TRANSPORTATION PERMIT REGULATIONS AND ACCESS CONTROL REGULATIONS, AND SHALL FOLLOW THE LATEST WILL COUNTY STORM WATER MANAGEMENT ORDINANCE AND WILL COUNTY WATER RESOURCE ORDINANCE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE FIELD TILES, UNDERGROUND AND SURFACE UTILITIES AS OUTLINED IN ARTICLE 107.37 OF THE STANDARD SPECIFICATIONS, EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY FIELD TILE THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- 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 OF WORK.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM AXEL TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THE ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOIS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TESTED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRAE STABILITY MANUAL. IF THE UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR1.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION OF 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM 6" BELOW THE AGGREGATE SUBGRAE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

EROSION CONTROL AND LANDSCAPING NOTES

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- THE WILL / SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT (WSCSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED AT THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS, A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY THE WSCSWCD.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE WSCSWCD.
- DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED, OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES IS PROHIBITED.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- CONTRACTOR SHALL PROVIDE AN IN-STREAM WORK PLAN FOR REVIEW BY THE RESIDENT ENGINEER AND WRITTEN APPROVAL BY THE ARMY CORPS PRIOR TO STARTING ANY IN-STREAM WORK.
- THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING). MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

COMMITMENTS

- DRAINAGE TILE AT 15639 W BAKER ROAD CANNOT BE BLOCKED.
- FIRE CHIEF DANIEL FORSYTHE OF THE MANHATTAN FIRE PROTECTION DISTRICT REQUESTED TO ATTEND THE PRE-CONSTRUCTION MEETING FOR THIS PROJECT.
- TREES 3 (THREE) INCHES OR GREATER SHALL NOT BE CLEARED OR REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30. DIAMETER SHALL BE MEASURED PER ARTICLE 201.10(B)(1).

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
GENERAL NOTES AND COMMITMENTS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	3
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	100% FED STP-BR 0004 ROADWAY	100% FED STP-BR 0010 BRIDGE REP
△	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	610	610	
△	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	458	458	
	20101000	TEMPORARY FENCE	FOOT	2,125	2,125	
△	20101200	TREE ROOT PRUNING	EACH	24	24	
△	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10	
△	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	14	14	
	20200100	EARTH EXCAVATION	CU YD	5,770	5,770	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,170	1,170	
	20400800	FURNISHED EXCAVATION	CU YD	2,780	2,780	
	20800150	TRENCH BACKFILL	CU YD	85	85	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,465	2,465	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	9,038	9,038	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	446	446	
△	25000110	SEEDING, CLASS 1A	ACRE	0.25	0.25	
△	25000312	SEEDING, CLASS 4A	ACRE	1.75	1.75	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
SUMMARY OF QUANTITIES**

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

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	4
			CONTRACT NO. 61H32	
ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	100% FED STP-BR 0004 ROADWAY	100% FED STP-BR 0010 BRIDGE REP
△	25100900	TURF REINFORCEMENT MAT	SQ YD	2,545	2,545	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	178	178	
	28000305	TEMPORARY DITCH CHECKS	FOOT	110	110	
	28000400	PERIMETER EROSION BARRIER	FOOT	1,634	1,634	
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	8,592	8,592	
	28100105	STONE RIPRAP, CLASS A3	SQ YD	63	63	
	28100107	STONE RIPRAP, CLASS A4	SQ YD	1,406	263	1,143
	28200200	FILTER FABRIC	SQ YD	1,469	326	1,143
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	500	500	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2,465	2,465	
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	459	459	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,538	1,538	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	766	766	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	320	320	



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	5
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	100% FED STP-BR 0004 ROADWAY	100% FED STP-BR 0010 BRIDGE REP
	42000060	WELDED WIRE REINFORCEMENT	SQ YD	140	140	
	42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	140	140	
	44000100	PAVEMENT REMOVAL	SQ YD	2,306	2,306	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	313	313	
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	408	408	
	48203027	HOT-MIX ASPHALT SHOULDERS, 7 1/2"	SQ YD	34	34	
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
	50105220	PIPE CULVERT REMOVAL	FOOT	98	98	
	50200100	STRUCTURE EXCAVATION	CU YD	875		875
	50200300	COFFERDAM EXCAVATION	CU YD	69		69
	50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	108		108
	50300225	CONCRETE STRUCTURES	CU YD	332.4		332.4
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	51.9		51.9
	50300260	BRIDGE DECK GROOVING	SQ YD	746		746
	50300300	PROTECTIVE COAT	SQ YD	980		980

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	6
			CONTRACT NO. 61H32	
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	100% FED STP-BR 0004 ROADWAY	100% FED STP-BR 0010 BRIDGE REP
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	91.9		91.9
	50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	5,780		5,780
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	98,410		98,410
	51500100	NAME PLATES	EACH	1		1
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4	
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
	54261242	CONCRETE END SECTION, STANDARD 542001, 42", 1:2	EACH	2	2	
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	235		235
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	110		110
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4	
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	41	41	
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1,671	1,671	
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	110		110
	60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	

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	DATE - 8/28/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	7
			CONTRACT NO. 61H32	
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	100% FED STP-BR 0004 ROADWAY	100% FED STP-BR 0010 BRIDGE REP
△	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	237.5	237.5	
△	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2	
△	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
△	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	6,270	6,270	
△	66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
△	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
△	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
△	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	45	45	
	67100100	MOBILIZATION	L SUM	1	1	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	7		7
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
	542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	74	74	
	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	51	51	
	542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	53	53	
	X0326806	WASHOUT BASIN	L SUM	1	1	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	8
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED 20% LOCAL STP-BR 0004 ROADWAY	80% FED 20% LOCAL STP-BR 0010 BRIDGE REP
△	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	6,047	6,047	
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4	
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2	
	X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1		1
	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	643		643
	X6640104	FENCE REMOVAL	FOOT	177	177	
	X6640108	FENCE REMOVAL AND REINSTALLATION	FOOT	25	25	
	X6640630	WOOD FENCE TO BE REMOVED AND RE-ERECTED	FOOT	156	156	
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	7	7	
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
	XX006282	STORM SEWERS, DUCTILE IRON, TYPE 1 12"	FOOT	78	78	
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	143	143	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
*	Z0076600	TRAINEES	HOUR	500	500	
*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

* INDICATES CONSTRUCTION CODE 0042

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CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

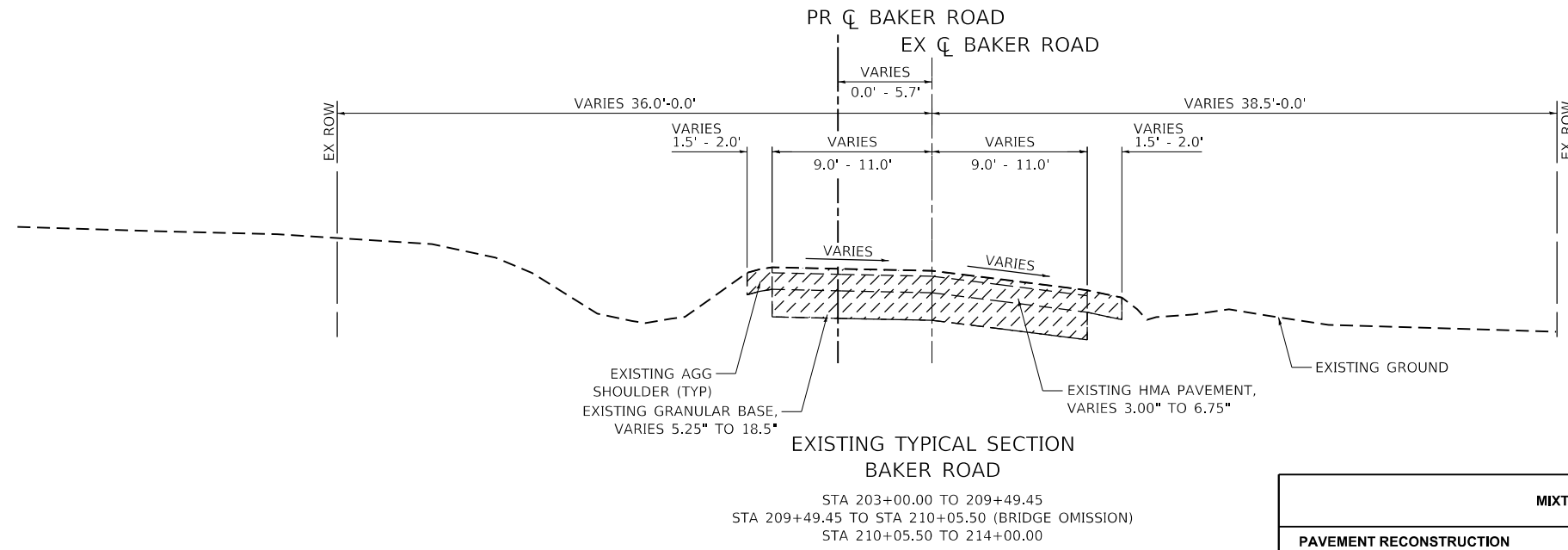
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	9
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

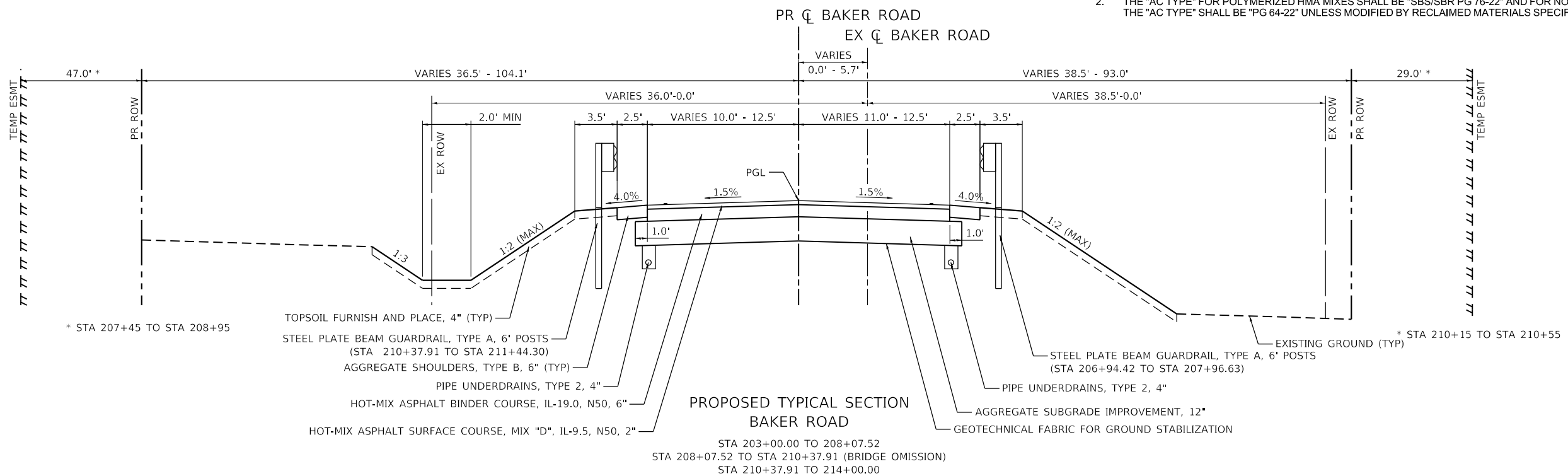


LEGEND



MIXTURE TYPE	PERCENT AIR VOIDS @ NDES	QMP
PAVEMENT RECONSTRUCTION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	4% @ 50 GYR.	LR 1030-2
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR.	LR 1030-2
SHOULDERS, MAILBOX TURNOUTS		
HOT-MIX ASPHALT SHOULDERS, 7 1/2" (HMA BINDER IL-19.0)	4% @ 50 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
TYPICAL SECTIONS**

SCALE: 1" = 5' SHEET 1 OF 1 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	10
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

STATION	LENGTH	EARTH EXCAVATION	NON-SPECIAL WASTE	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) [1]	EMBANKMENT	TOPSOIL STRIPPING (UNSUITABLE)	EARTHWORK BALANCE WASTE () OR SHORTAGE (-) [1]
	(FT)	A1 (CU YD)	B1 (CU YD)	C1=(A1)*(.85%) (CU YD)	D1 (CU YD)	E1 (CU YD)	F1=-D1 (CU YD)
203+00							
203+50	50.0	115.8	115.8		5.0	15.5	-5.0
204+00	50.0	214.1	214.1		10.1	40.1	-10.1
204+50	50.0	369.3	369.3		10.7	50.2	-10.7
205+00	50.0	792.1	792.1		14.0	51.3	-14.0
205+50	50.0	1034.7	1034.7		22.4	50.5	-22.4
206+00	50.0	852.8	852.8		49.2	49.4	-49.2
206+50	50.0	662.0	662.0		102.2	51.2	-102.2
207+00	50.0	457.4	457.4		172.7	54.9	-172.7
207+20	20.0	103.9	103.9		93.2	20.5	-93.2
207+50	30.0	61.7	61.7		196.2	23.7	-196.2
207+67	17.0	11.5	11.5		159.9	10.2	-159.9
208+00	33.0	23.5	23.5		373.7	17.4	-373.7
208+08	7.5	6.7	6.7		85.9	3.4	-85.9
208+08	0.0	0.0	0.0		0.1	0.0	-0.1
208+29	21.5	30.0	30.0		106.8	6.0	-106.8
208+50	21.0	34.1	34.1		0.0	3.8	0.0
209+00	50.0	138.3	138.3		0.0	9.0	0.0
209+49	49.0	227.0	227.0		0.0	4.3	0.0
BRIDGE OMISSION SN 099-3155 (BAKER ROAD OVER JACKSON CREEK)							
210+06							
210+38	31.9	101.0	101.0		183.3	16.1	-183.3
210+38	0.0	0.0	0.0		0.1	0.0	-0.1
210+47	9.1	3.1	3.1		96.7	10.1	-96.7
210+50	3.0	0.6	0.6		30.4	2.9	-30.4
211+00	50.0	18.6	18.6		429.3	37.6	-429.3
211+50	50.0	43.5	43.5		287.7	30.7	-287.7
212+00	50.0	105.9	105.9		168.0	26.0	-168.0
212+18	18.0	33.2	33.2		33.0	7.6	-33.0
212+50	32.0	14.2	14.2		57.6	13.5	-57.6
213+00	50.0	66.6	66.6		66.0	21.8	-66.0
213+50	50.0	130.5	130.5		17.7	22.6	-17.7
213+75	25.0	64.4	64.4		5.2	10.4	-5.2
214+00	25.0	48.9	48.9		1.9	4.6	-1.9
SUBTOTAL		5765.5	5765.5	0.0	2779.1	665.1	-2779.1
TOTAL		5770.0	5770.0	0.0	2780.0	670.0	-2780.0

[1] ALL EARTH EXCAVATION IS BEING TREATED AS NON-SPECIAL WASTE AND CANNONT BE USED AS EMBANKMENT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
SCHEDULE OF QUANTITIES**

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

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	11
CONTRACT NO.			61H32	
		ILLINOIS	FED. AID PROJECT	

PROJECT COORDINATES

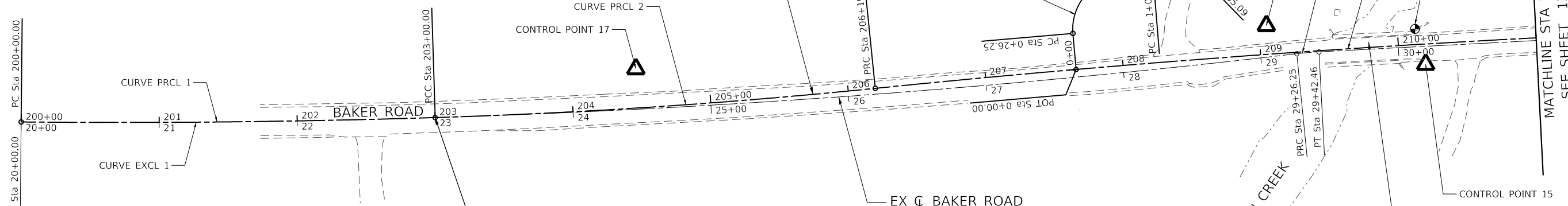
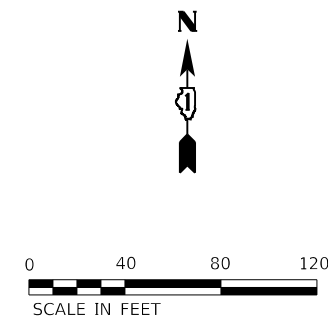
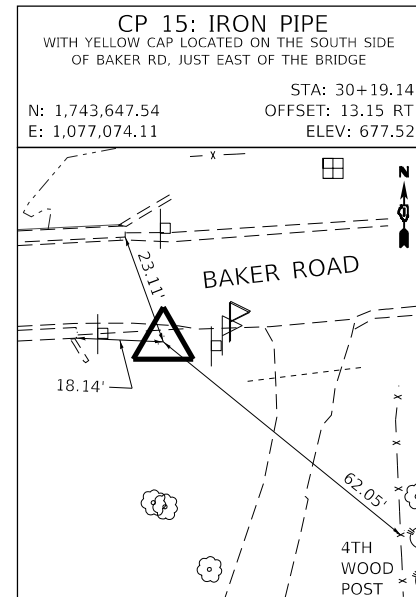
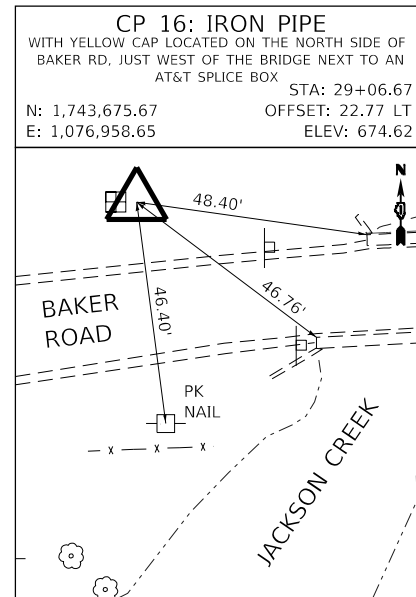
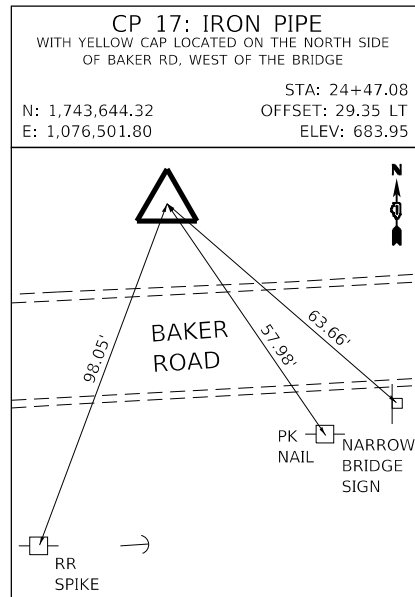
BAKER ROAD - EXISTING ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
P.C.	20+00.00	1,743,605.77	1,076,056.39
P.I.	24+63.75	1,743,601.14	1,076,520.12
P.R.C.	29+26.25	1,743,655.30	1,076,980.69
P.I.	29+34.36	1,743,656.25	1,076,988.75
P.T.	29+42.46	1,743,656.67	1,076,996.84
P.C.	32+29.47	1,743,671.65	1,077,283.46
P.I.	35+76.21	1,743,689.75	1,077,629.72
P.T.	39+22.82	1,743,691.83	1,077,976.45

PROJECT COORDINATES

BAKER ROAD - PROPOSED ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
P.C.	200+00.00	1,743,605.77	1,076,056.39
P.I.	201+50.02	1,743,604.27	1,076,206.41
P.C.C.	203+00.00	1,743,608.94	1,076,356.35
P.I.	204+59.92	1,743,613.93	1,076,516.19
P.R.C.	206+19.70	1,743,630.16	1,076,675.29
P.I.	209+08.87	1,743,659.52	1,076,962.96
P.T.	211+97.86	1,743,671.33	1,077,251.89
P.C.	213+99.95	1,743,679.59	1,077,453.80
P.I.	216+49.97	1,743,689.80	1,077,703.62
P.T.	218+99.95	1,743,691.68	1,077,953.64

PROJECT COORDINATES

DRIVEWAY- STA 207+66			
DESCRIPTION	STATION	NORTHING	EASTING
P.O.T	0+00.00	1,743,643.88	1,076,820.78
P.C.	0+26.25	1,743,670.04	1,076,818.52
P.I.	0+63.90	1,743,707.55	1,076,815.27
P.T.	0+85.30	1,743,710.65	1,076,852.89
P.C.	1+09.12	1,743,712.57	1,076,876.53
P.I.	1+22.65	1,743,713.65	1,076,890.01
P.T.	1+35.09	1,743,723.10	1,076,899.70
P.O.T	1+69.88	1,743,747.38	1,076,924.63



<p>EXIST. CURVE EXCL_1 PI STA. = 24+63.75 Δ = 7° 16' 46" (LT) D = 0° 47' 09" R = 7,290.37' T = 463.75' L = 926.25' E = 14.73' P.C. STA. = 20+00.00 P.T. STA. = 29+26.25</p>	<p>EXIST. CURVE EXCL_2 PI STA. = 29+34.36 Δ = 3° 42' 56" (RT) D = 22° 55' 06" R = 250.00' T = 8.11' L = 16.21' E = 0.13' P.C. STA. = 29+26.25 P.T. STA. = 29+42.46</p>	<p>EXIST. CURVE EXCL_5 PI STA. = 35+76.21 Δ = 2° 38' 54" (RT) D = 0° 22' 55" R = 15,000.00' T = 346.74' L = 693.35' E = 4.01' P.C. STA. = 32+29.47 P.T. STA. = 39+22.82</p>
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<p>PROP. CURVE PRCL_1 PI STA. = 201+50.02 Δ = 2° 21' 28" (LT) D = 0° 47' 09" R = 7,290.37' T = 150.02' L = 300.00' E = 1.54' P.C. STA. = 200+00.00 P.T. STA. = 203+00.00</p>	<p>PROP. CURVE PRCL_2 PI STA. = 204+59.92 Δ = 4° 02' 30" (LT) D = 1° 15' 51" R = 4,532.14' T = 159.92' L = 319.70' E = 2.82' P.C. STA. = 203+00.00 P.T. STA. = 206+19.70</p>	<p>PROP. CURVE PRCL_3 PI STA. = 209+08.87 Δ = 3° 29' 13" (RT) D = 0° 36' 11" R = 9,500.00' T = 289.17' L = 578.16' E = 4.40' P.C. STA. = 206+19.70 P.T. STA. = 211+97.86</p>	<p>PROP. CURVE PRCL_6 PI STA. = 216+49.97 Δ = 1° 54' 35" (RT) D = 0° 22' 55" R = 15,000.00' T = 250.02' L = 500.00' E = 2.08' P.C. STA. = 213+99.95 P.T. STA. = 218+99.95</p>
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<p>PROP. CURVE NWDW_3 PI STA. = 0+63.90 Δ = 90° 13' 32" (RT) D = 152° 47' 19" R = 37.50' T = 37.65' L = 59.05' E = 15.64' P.C. STA. = 0+26.25 P.T. STA. = 0+85.30</p>	<p>PROP. CURVE NWDW_6 PI STA. = 1+22.65 Δ = 39° 40' 45" (LT) D = 152° 47' 19" R = 37.50' T = 13.53' L = 25.97' E = 2.37' P.C. STA. = 1+09.12 P.T. STA. = 1+35.09</p>
---	--

BEGIN PROJECT
STA 203+00

SITE BENCHMARKS	ELEV
BM "A" "X" LOCATED ON THE NORTHEAST WINGWALL OF THE BRIDGE	677.90
BM "B" MAGNETIC NAIL IN THE NW FACE OF THE FOURTH POWER POLE EAST OF THE BRIDGE	699.94

- NOTES:**
- ALL COORDINATES SHOWN ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, MAP COORDINATES REFLECT NAD 83 (2011 ADJUSTMENT)
 - ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
 - ELEVATIONS REFLECT THE NAVD 88 (GEOID12A ADJUSTMENT).
 - SOME OR ALL OF THE CONTROL POINTS AND BENCHMARKS MAY BE DESTROYED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND RELOCATE THESE OUTSIDE OF THE CONSTRUCTION LIMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

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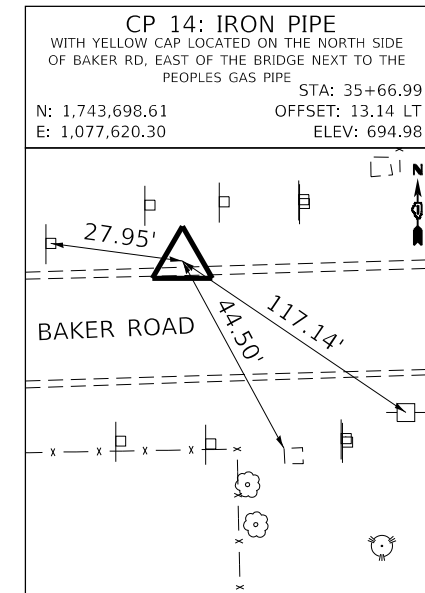
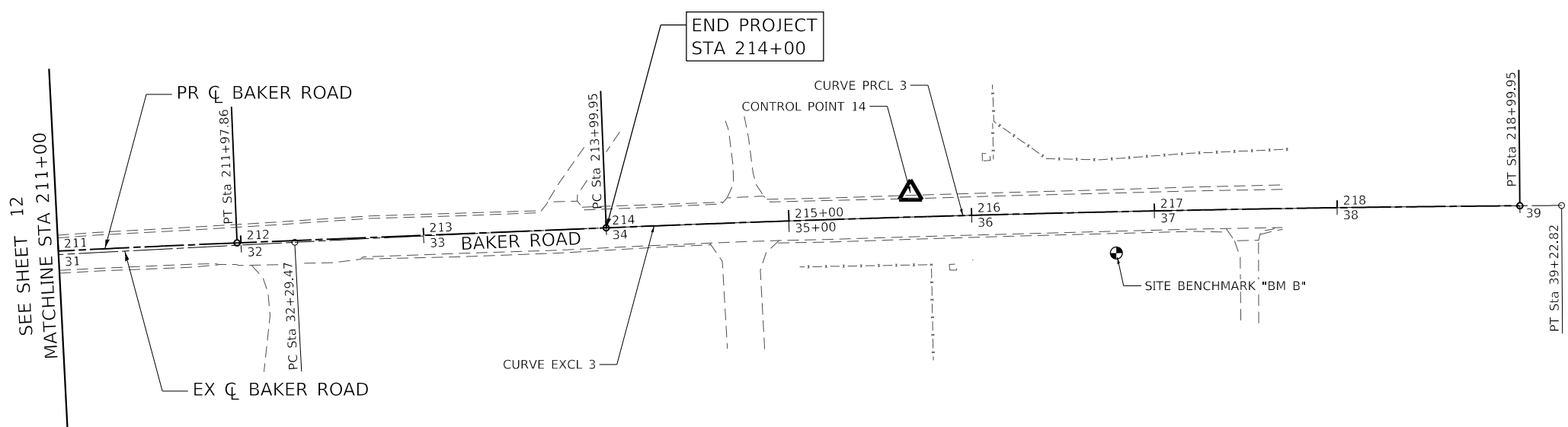
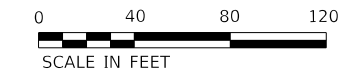


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT ALIGNMENT, TIES, AND BENCHMARKS	
SCALE: 1" = 40'	SHEET 1 OF 2 SHEETS
STA.	TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	12
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	



CP 14: IRON PIPE
 WITH YELLOW CAP LOCATED ON THE NORTH SIDE
 OF BAKER RD, EAST OF THE BRIDGE NEXT TO THE
 PEOPLES GAS PIPE STA: 35+66.99
 N: 1,743,698.61 OFFSET: 13.14 LT
 E: 1,077,620.30 ELEV: 694.98

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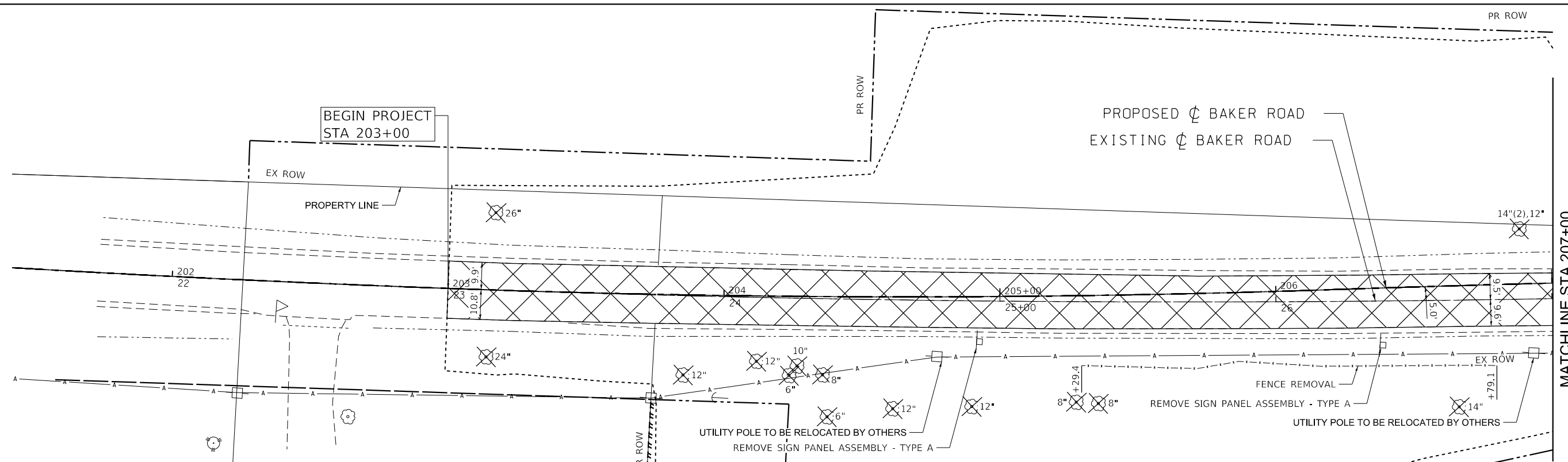
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 ALIGNMENT, TIES, AND BENCHMARKS**

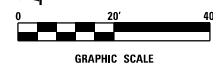
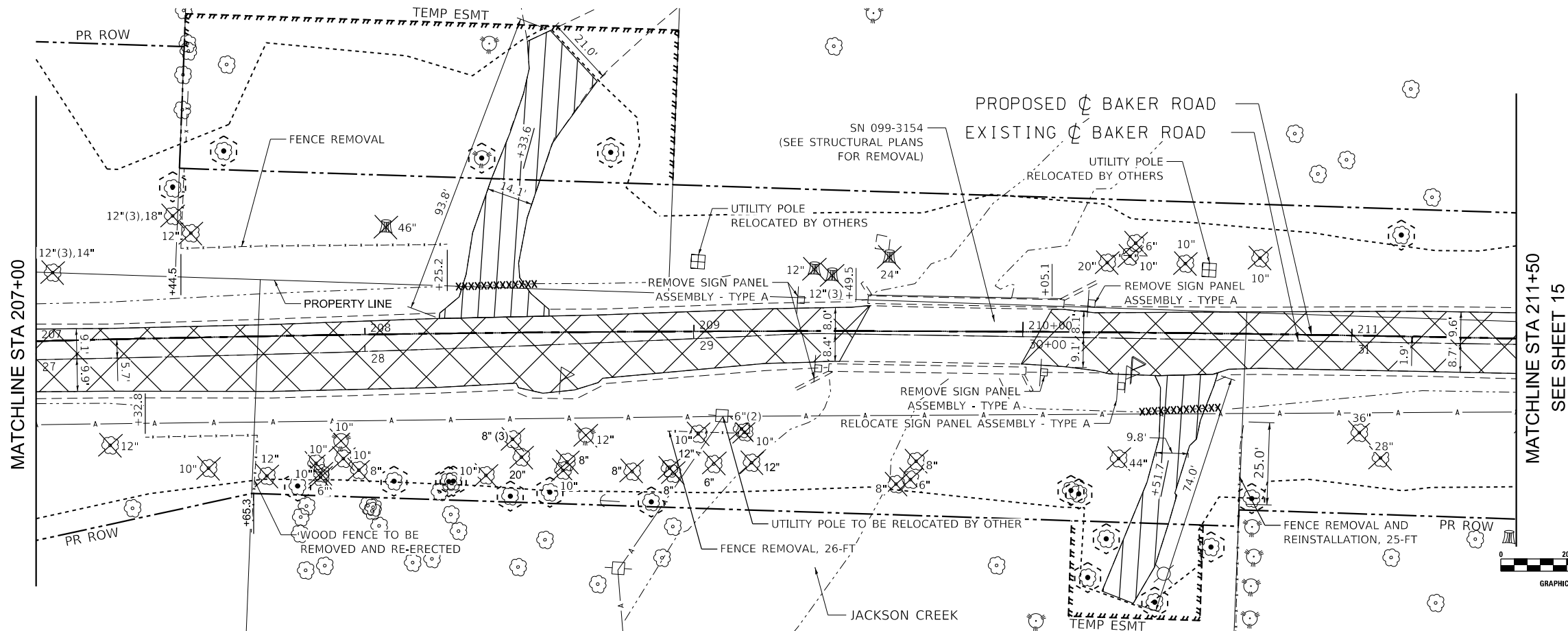
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	13
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	



REMOVAL LEGEND

PAVEMENT REMOVAL	TREE REMOVAL	TEMPORARY FENCE/ TREE PRUNING/ TREE ROOT PRUNING
DRIVEWAY PAVEMENT REMOVAL	PIPE CULVERT REMOVAL	



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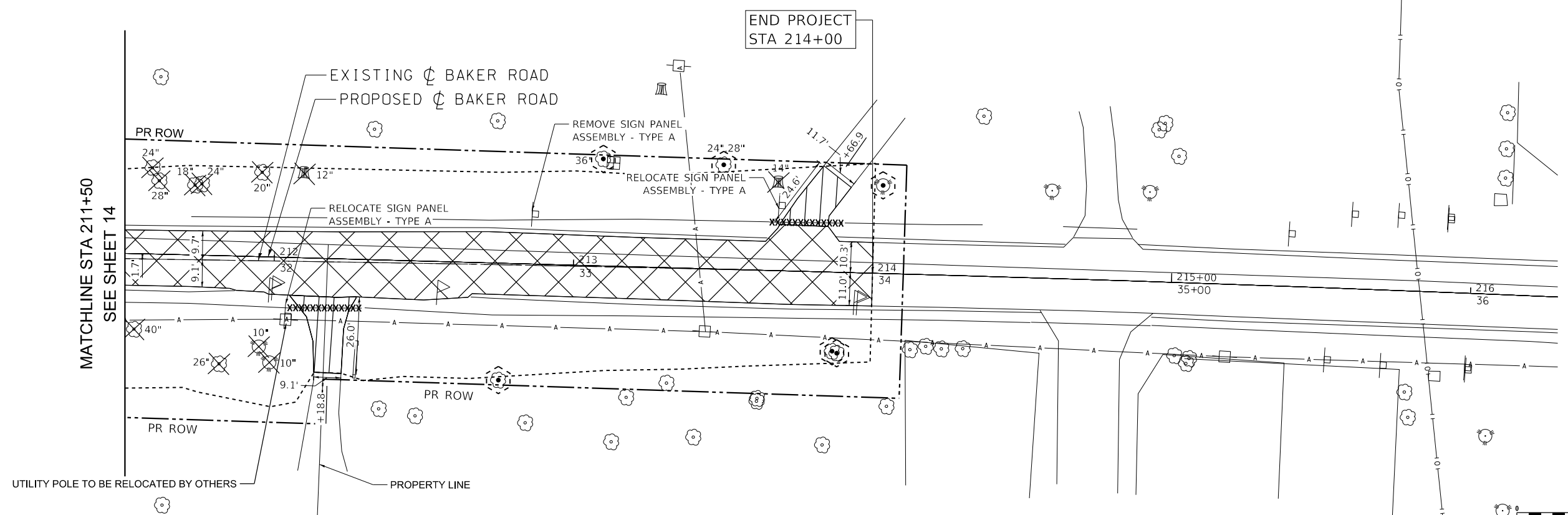
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

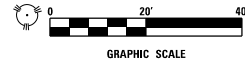
BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 203+00 TO STA. 211+50

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	14
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 211+50
SEE SHEET 14



REMOVAL LEGEND					
	PAVEMENT REMOVAL		TREE REMOVAL		TEMPORARY FENCE/ TREE PRUNING/ TREE ROOT PRUNING
	DRIVEWAY PAVEMENT REMOVAL		PIPE CULVERT REMOVAL		

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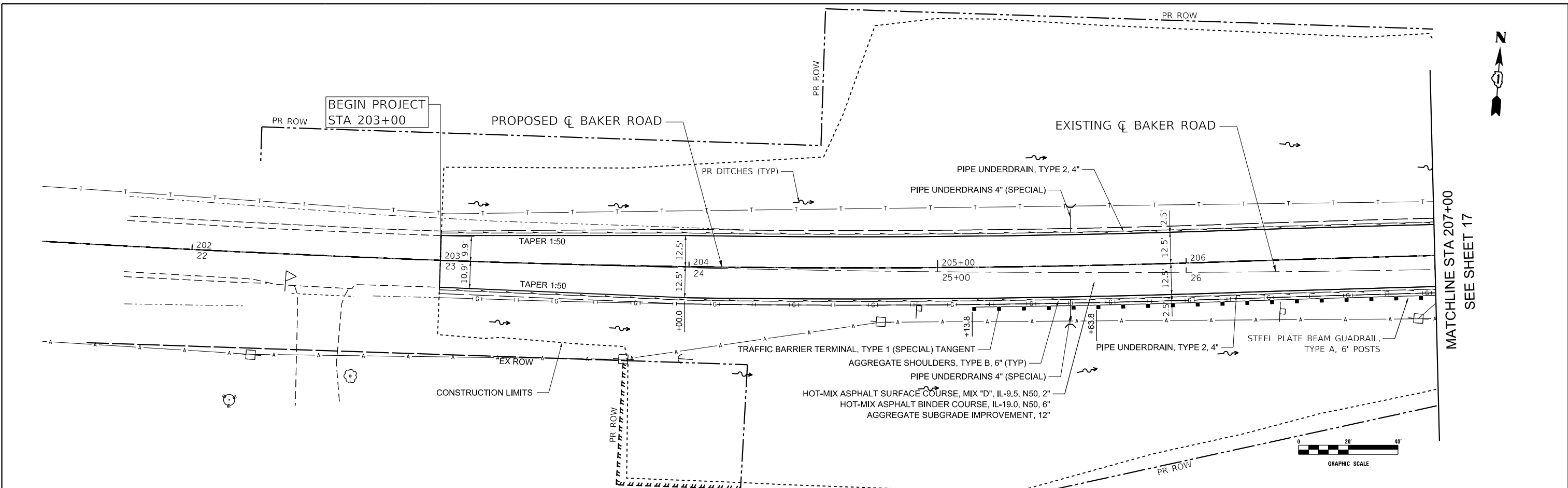
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DRAWN - TBH	REVISIONS -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

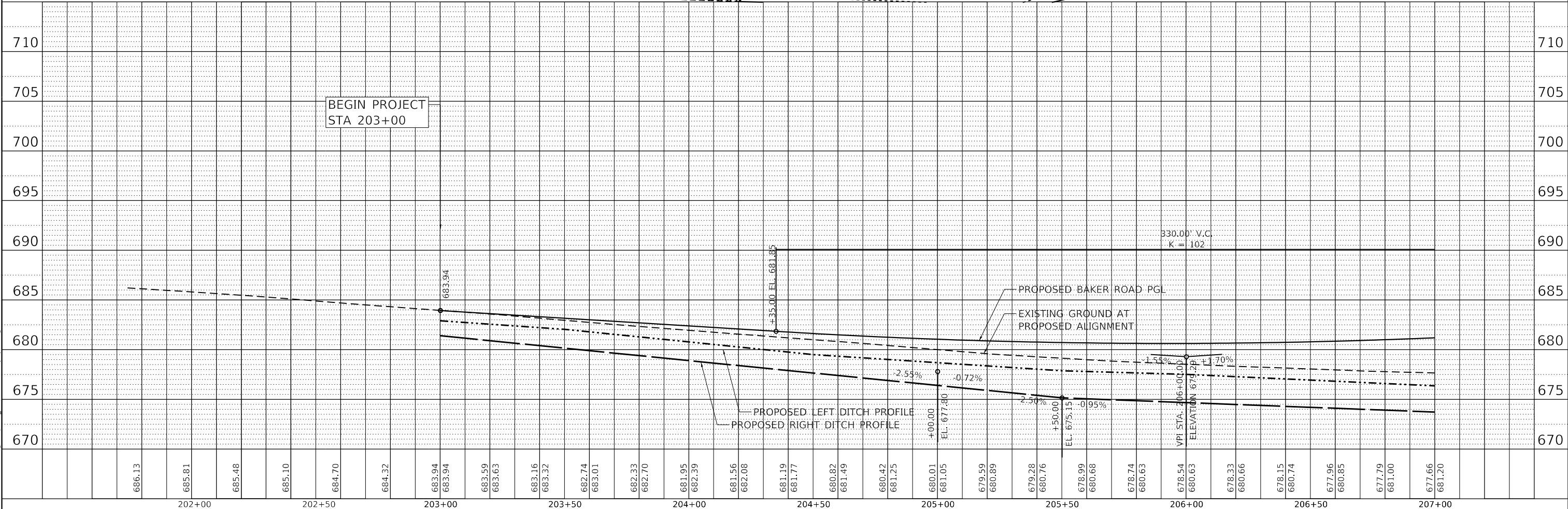
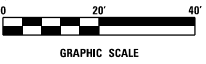
**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 211+50 TO STA. 214+00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	15
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	



MATCHLINE STA 207+00
SEE SHEET 17



686.13	685.81	685.48	685.10	684.70	684.32	683.94	683.59	683.23	682.87	682.51	682.15	681.79	681.43	681.07	680.71	680.35	679.99	680.63	678.74	680.63	678.54	680.63	678.33	680.66	678.15	680.74	677.96	680.85	677.79	681.00	677.66	681.20
202+00	202+50	203+00	203+50	204+00	204+50	205+00	205+50	206+00	206+50	207+00																						

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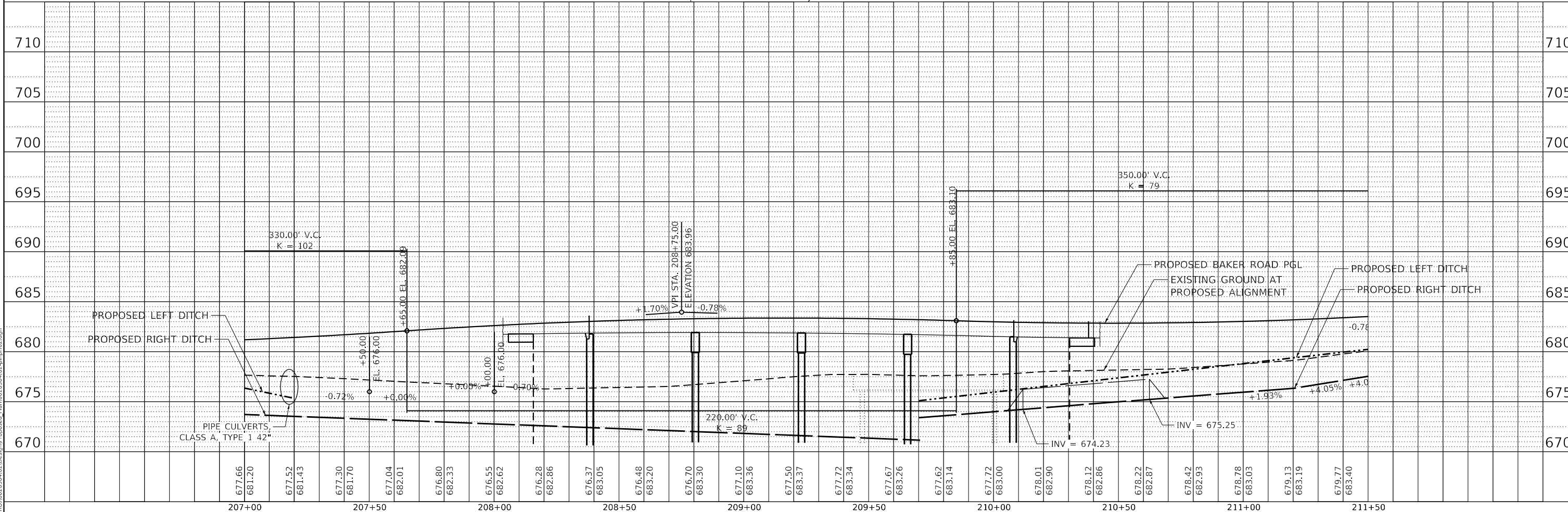
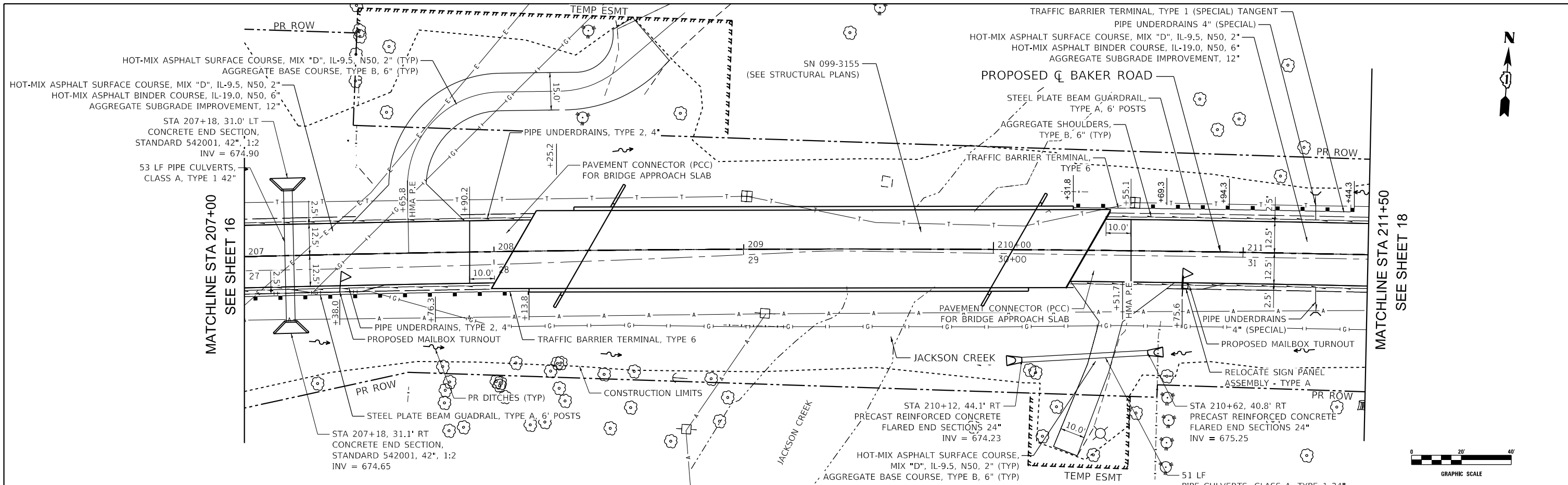


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	DRAWN - TBH	REVISED -
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PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PROPOSED PLAN AND PROFILE
SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 203+00 TO STA. 207+00

TR 181	SECTION 14-12112-01-BR	COUNTY WILL	TOTAL SHEETS 76	SHEET NO. 16
			CONTRACT NO. 61H32	
		ILLINOIS FED. AID PROJECT		



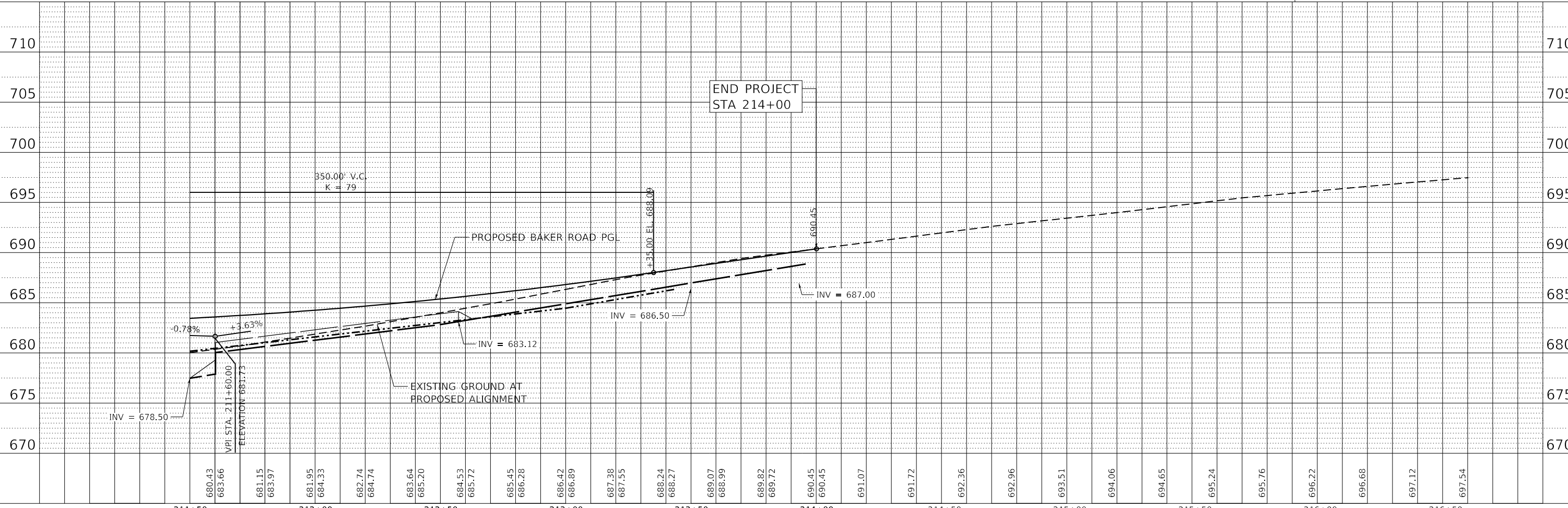
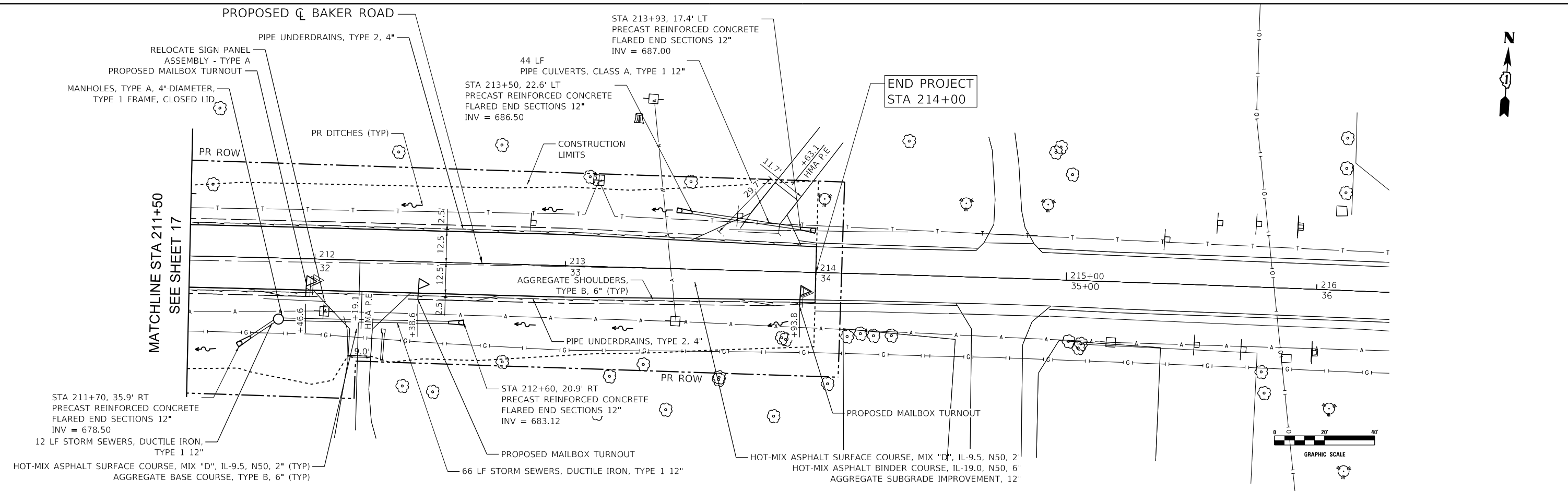
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	USER NAME	DESIGNED	DRAWN	CHECKED	DATE	REVIS	REVIS	REVIS	
207+00	ROADWAY	EPS	TBH	EPS	8/28/2024	-	-	-	
207+50									
208+00									
208+50									
209+00									
209+50									
210+00									
210+50									
211+00									
211+50									

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT PROPOSED PLAN AND PROFILE			
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
181	14-12112-01-BR	WILL	76	17	
CONTRACT NO. 61H32					

SCALE: 1" = 20'	SHEET 2	OF 3 SHEETS	STA. 207+00	TO STA. 211+50	
ILLINOIS		FED. AID PROJECT			

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211+50	212+00	212+50	213+00	213+50	214+00	214+50	215+00	215+50	216+00	216+50																													

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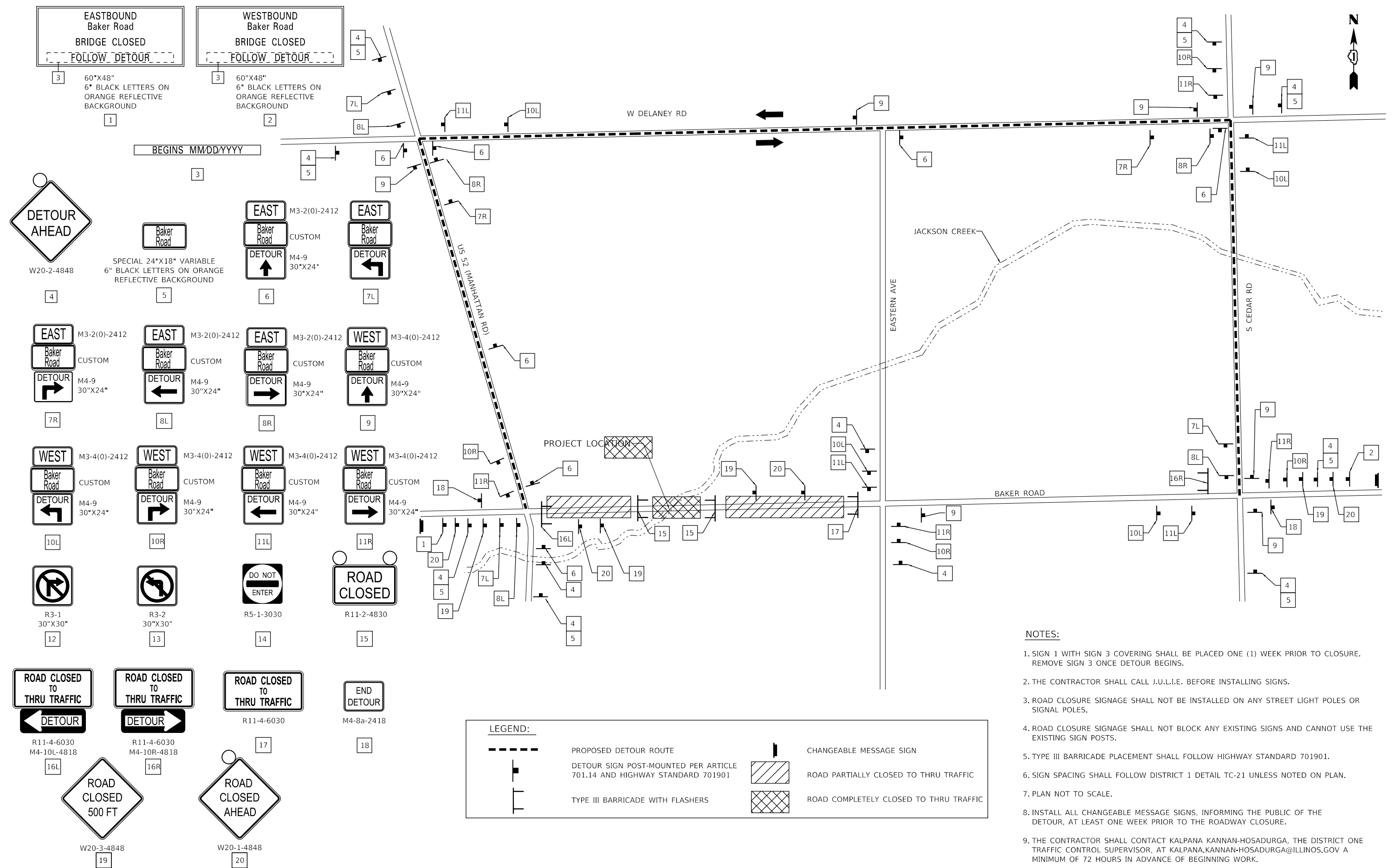
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	DATE - 7/29/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PROPOSED PLAN AND PROFILE

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 211+50 TO STA. 217+00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	18
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		



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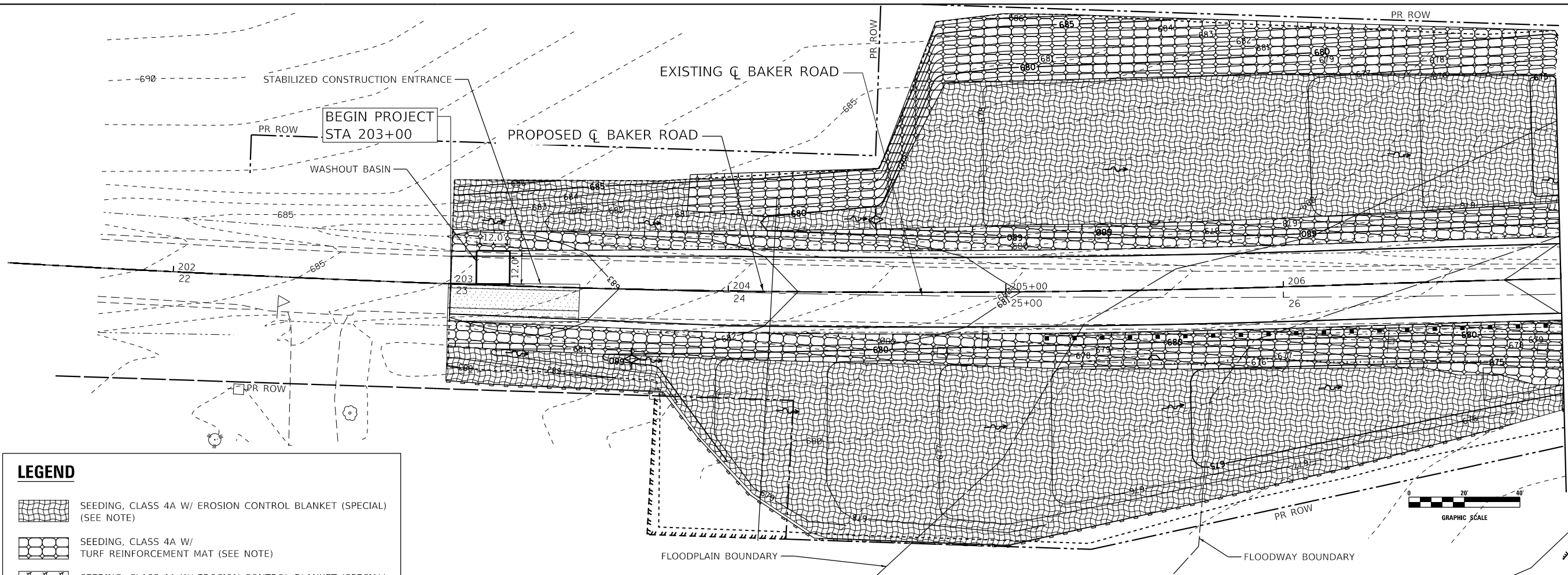
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

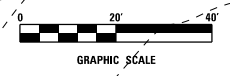
BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
DETOUR PLAN

SCALE: 1"=60' SHEET 1 OF 1 SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	19
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 207+00
SEE SHEET 21



LEGEND

- SEEDING, CLASS 4A W/ EROSION CONTROL BLANKET (SPECIAL) (SEE NOTE)
- SEEDING, CLASS 4A W/ TURF REINFORCEMENT MAT (SEE NOTE)
- SEEDING, CLASS 1A W/ EROSION CONTROL BLANKET (SPECIAL) (SEE NOTE)
- STONE RIPRAP, WITH FILTER FABRIC
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- TEMPORARY FENCE

NOTE
SEEDING AREA SHALL INCLUDE TEMPORARY EROSION CONTROL SEEDING, TOPSOIL FURNISH AND PLACE, 4", AND TEMPORARY EROSION CONTROL BLANKET. A FERTILIZER IS NOT REQUIRED FOR ALL SEEDING AREA 4A.

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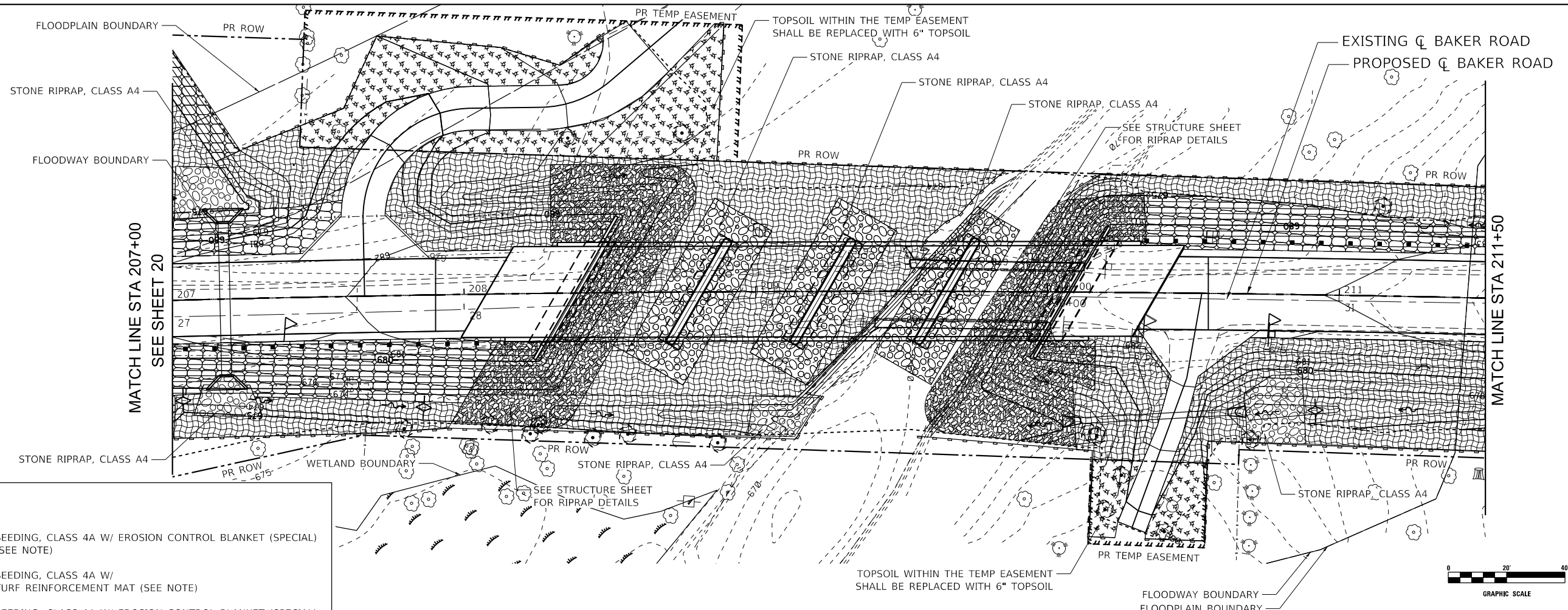
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 203+00 TO STA. 207+00

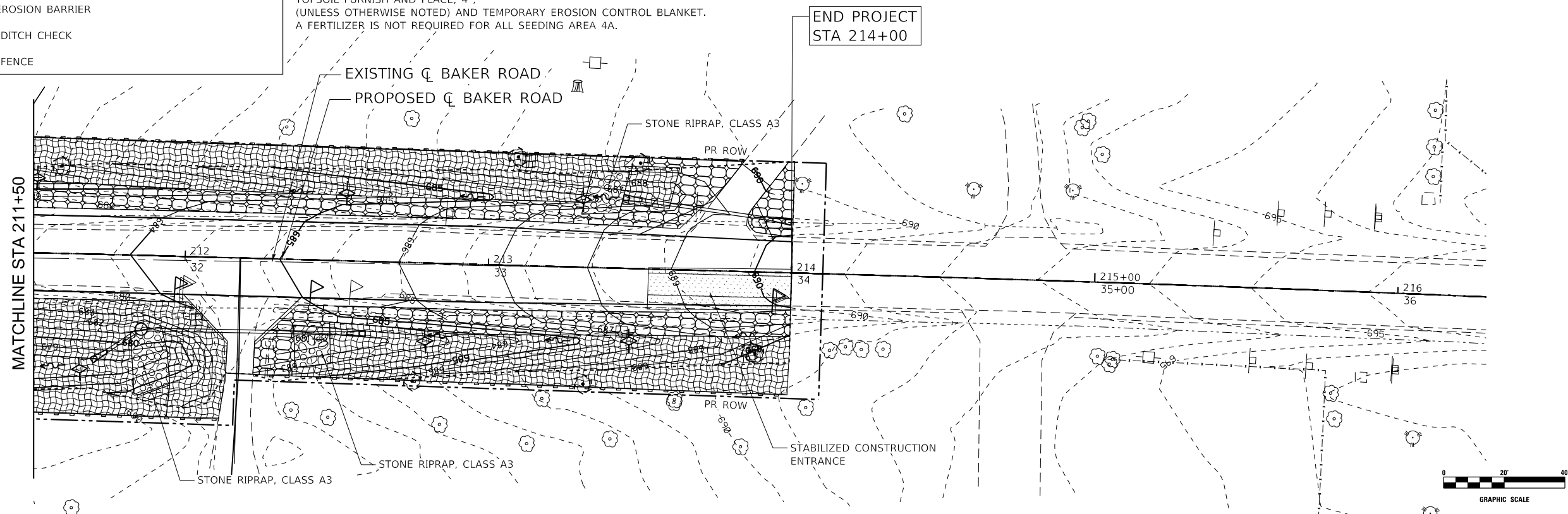
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	20
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				



LEGEND

- SEEDING, CLASS 4A W/ EROSION CONTROL BLANKET (SPECIAL) (SEE NOTE)
- SEEDING, CLASS 4A W/ TURF REINFORCEMENT MAT (SEE NOTE)
- SEEDING, CLASS 1A W/ EROSION CONTROL BLANKET (SPECIAL) (SEE NOTE)
- STONE RIPRAP, WITH FILTER FABRIC
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- TEMPORARY FENCE

NOTE
 SEEDING AREA SHALL INCLUDE TEMPORARY EROSION CONTROL SEEDING, TOPSOIL FURNISH AND PLACE, 4", (UNLESS OTHERWISE NOTED) AND TEMPORARY EROSION CONTROL BLANKET. A FERTILIZER IS NOT REQUIRED FOR ALL SEEDING AREA 4A.



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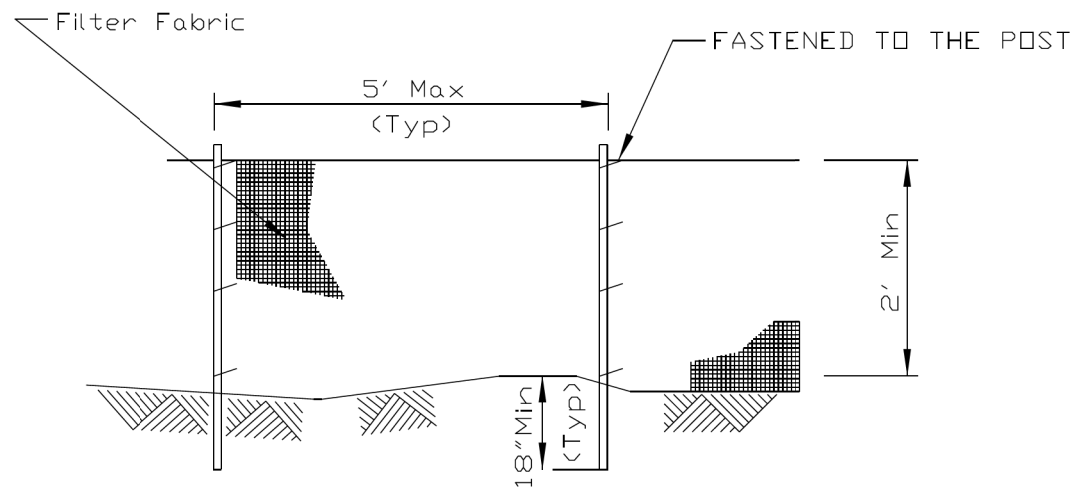
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

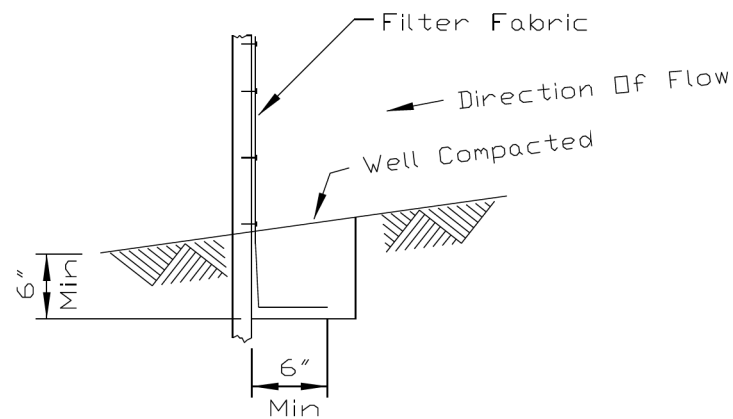
**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 EROSION CONTROL AND LANDSCAPING PLAN**
 SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 207+00 TO STA. 214+00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	21
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

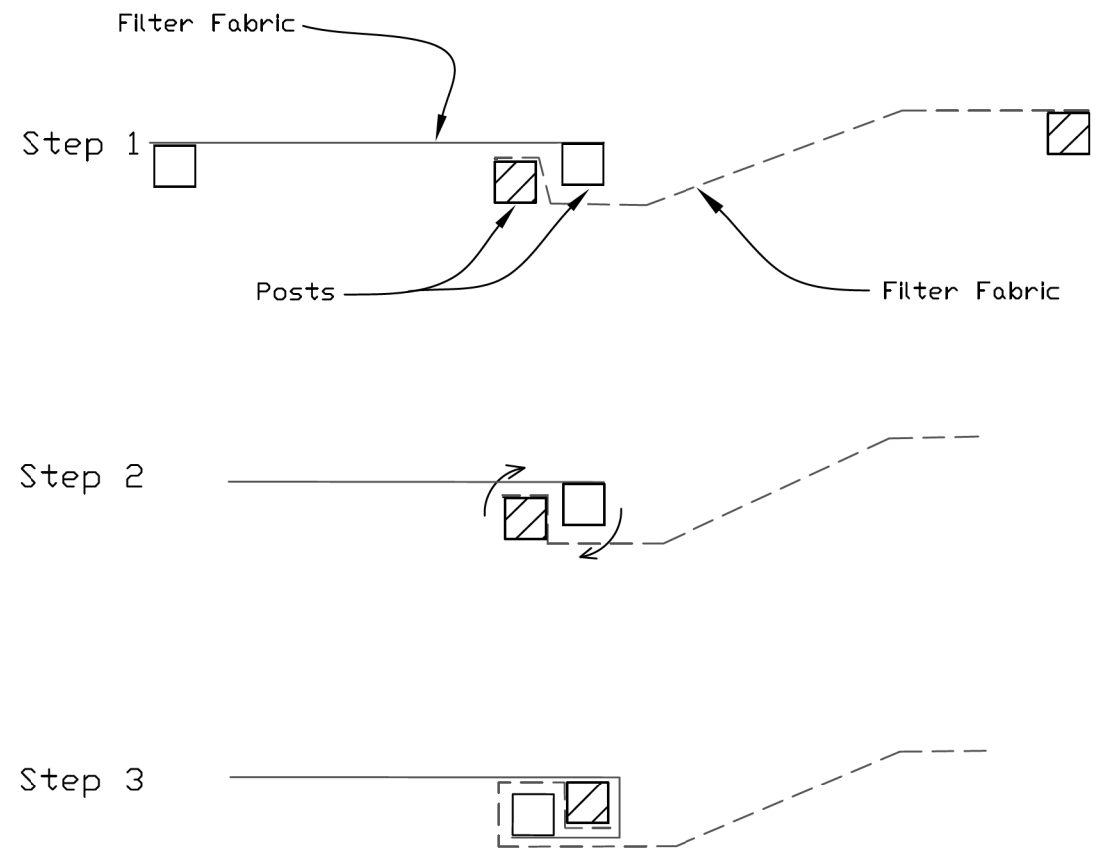
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

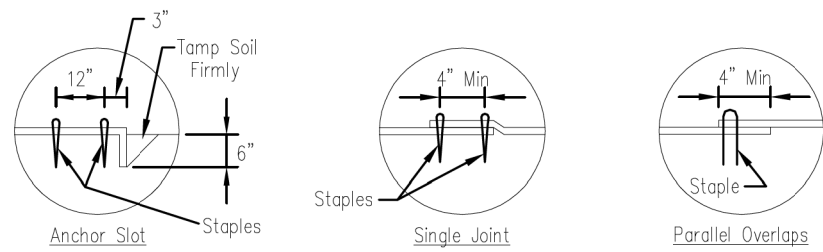
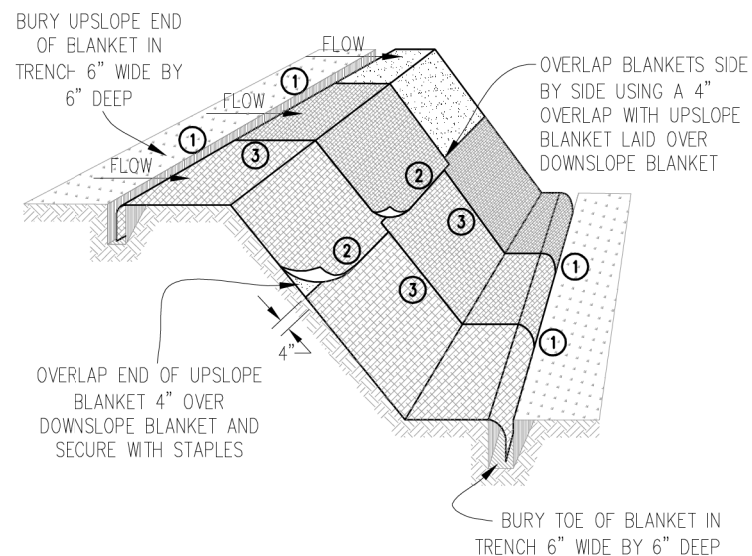


STANDARD DWG. NO.
IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

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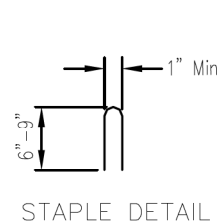
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	22
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	



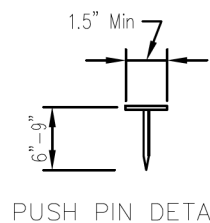
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

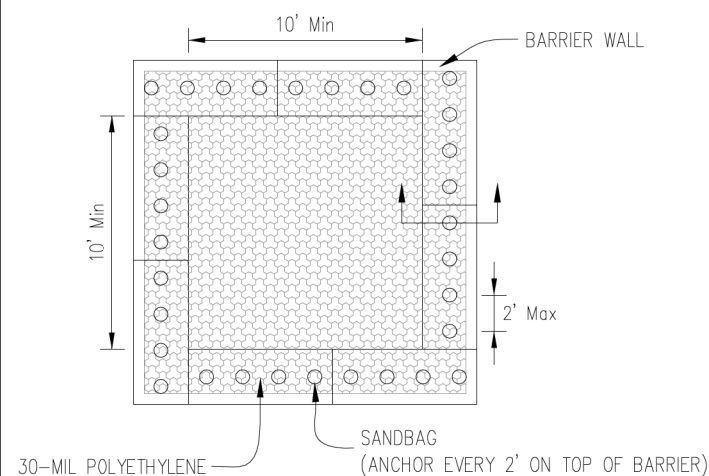
NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 staples with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

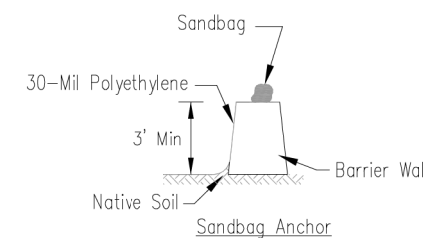
Sheet 1 of 1	File No. 101-530
Drawing No.	

EROSION CONTROL BLANKET INSTALLATION DETAILS

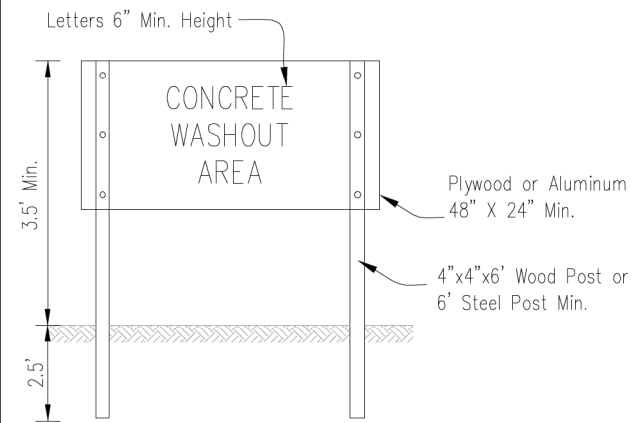
Designed		Date	
Drawn	B. JOHNSON		11/08
Checked			
Approved			



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 3 of 3	File No. 101-530
Drawing No.	

TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL

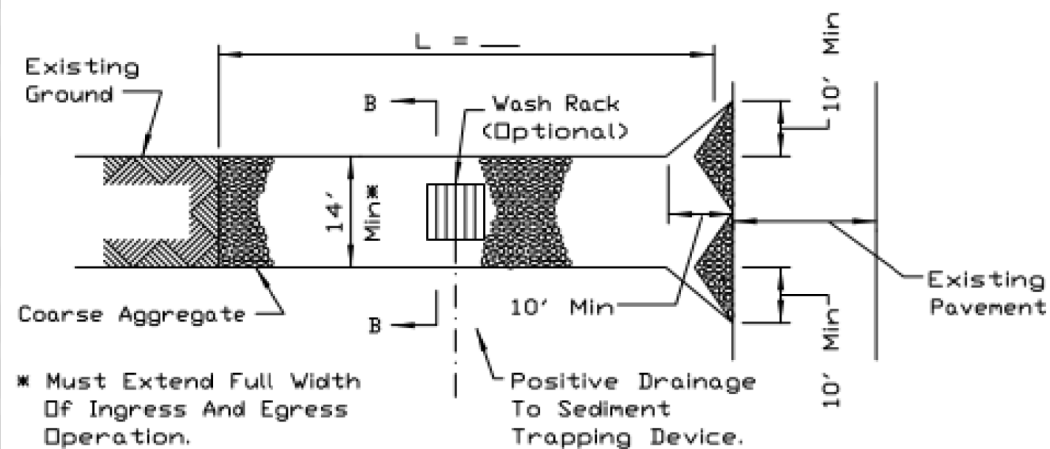
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Drawn	B. JOHNSON		6/08
Checked			
Approved			

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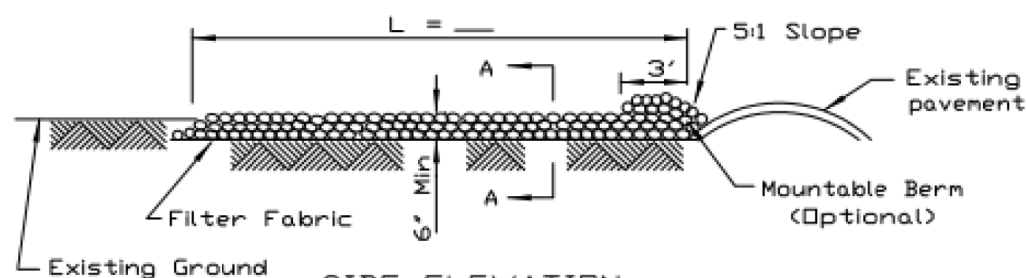
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	23
			CONTRACT NO. 61H32	
		ILLINOIS	FED. AID PROJECT	

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

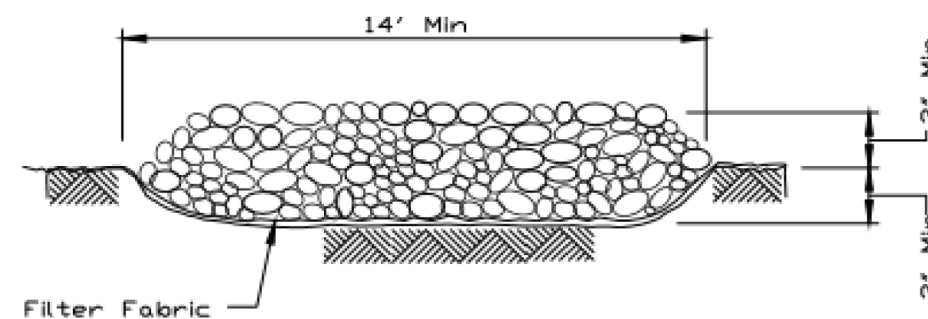
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

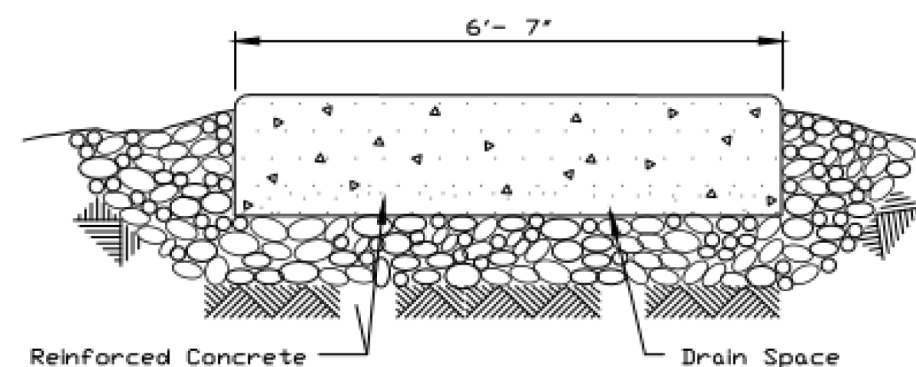


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94

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	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
EROSION CONTROL DETAILS

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

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	24
			CONTRACT NO. 61H32	
			ILLINOIS FED. AID PROJECT	

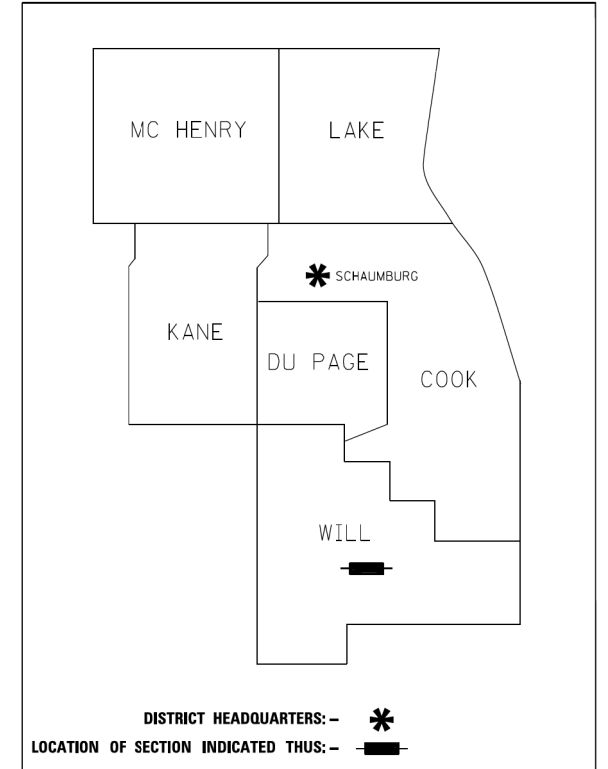
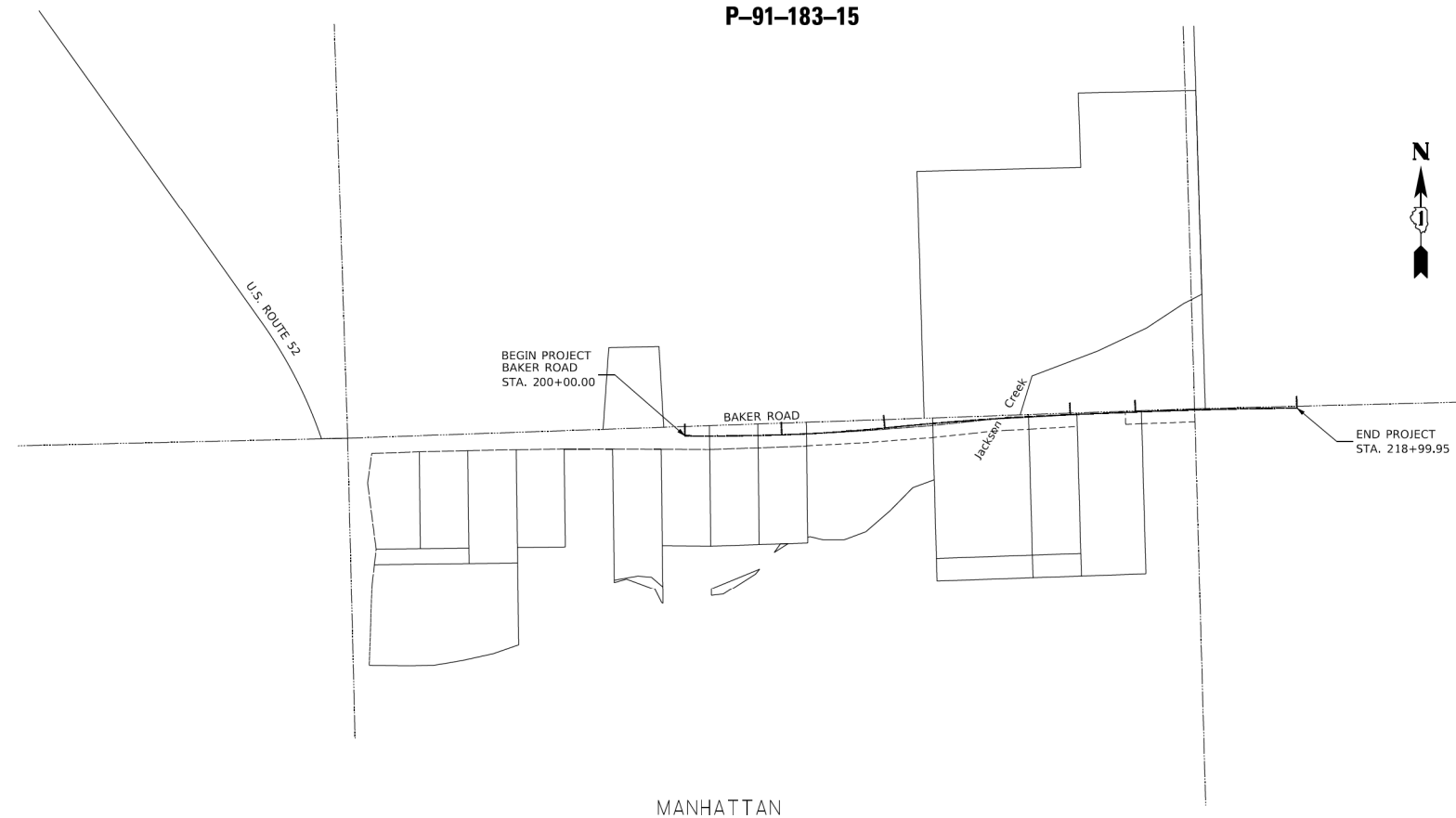
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001 0001TE	THE MANHATTAN PARK DISTRICT	2	
0002 0002TE	CHICAGO TITLE LAND TRUST COMPANY SUCCESSOR TO NLSB, AS TRUSTEE UNDER TRUST AGREEMENT KNOWN AS TRUST NO. 1872	3	
0003	THOMAS J. KINSELLA AND DOROTHY L. KINSELLA, HIS WIFE, IN JOINT TENANCY	3	
0004	WILLIAM C. BREWER AND JOAN BREWER, HUSBAND AND WIFE, AS TENANTS IN COMMON	4	
0005	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO LASALLE NATIONAL BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED JULY 16, 1986 KNOWN AS TRUST NO. 111337	2 & 6	
0006 0006TE	SCOTT MANCKE AND VICTORIA MANCKE, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	5 & 7	
0007	WILLIAM W. MANCKE AS TRUSTEE UNDER THE WILLIAM W. MANCKE TRUST DATED DECEMBER 21, 1999	5 & 7	

**WILL COUNTY
DIVISION OF TRANSPORTATION**

PLAT OF HIGHWAYS

BAKER ROAD OVER JACKSON CREEK SECTION 14-12112-01-BR WILL COUNTY LIMITS

P-91-183-15



MANHATTAN

LOCATION MAP

GROSS LENGTH = 1899.95 FT. = 0.360 MILE

Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60404
 TEL (815) 744-6000 FAX (815) 744-0701
 website: www.ruettigertonnelli.com

R.T. & A. Dwg. No.: 2020-1045.00

IDOT USE ONLY

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 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 2,000' / 1" in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS**

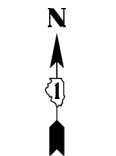
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	25
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

PART OF THE SW.1/4 OF SECTION 5 AND PART OF THE NW.1/4 OF SECTION 8, ALL IN TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0001 0001TE	2.749	0.300		1.849	0.057		14-12-08-100-013
0005	318.539	0.544		317.995			14-12-05-300-006

LEGEND



GRAPHIC SCALE
0 30
SCALE: 1"=30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED TEMPORARY EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- (COMM.) COMMERCIAL BUILDING
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- *MAG*NAIL SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT OF WAY MONUMENTATION REQUIREMENTS (STAKING WILL BE PERFORMED AT A LATER DATE PER THE DIRECTION OF WCDOT).
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 3/8" METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

-ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 -COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID"
 -ALL MEASURED AND CALCULATED DISTANCES ARE "GRID NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999516554.
 -AREAS SHOWN ON THIS PLAT ARE "GROUND"

STATE OF ILLINOIS)
) JSS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 5 AND 8, TOWNSHIP 34 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE WILL COUNTY DIVISION OF TRANSPORTATION.

DATED AT SHOREWOOD, ILLINOIS THIS _____ DAY OF _____, 2022 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
 LICENSE EXPIRATION DATE: 11/30/2024

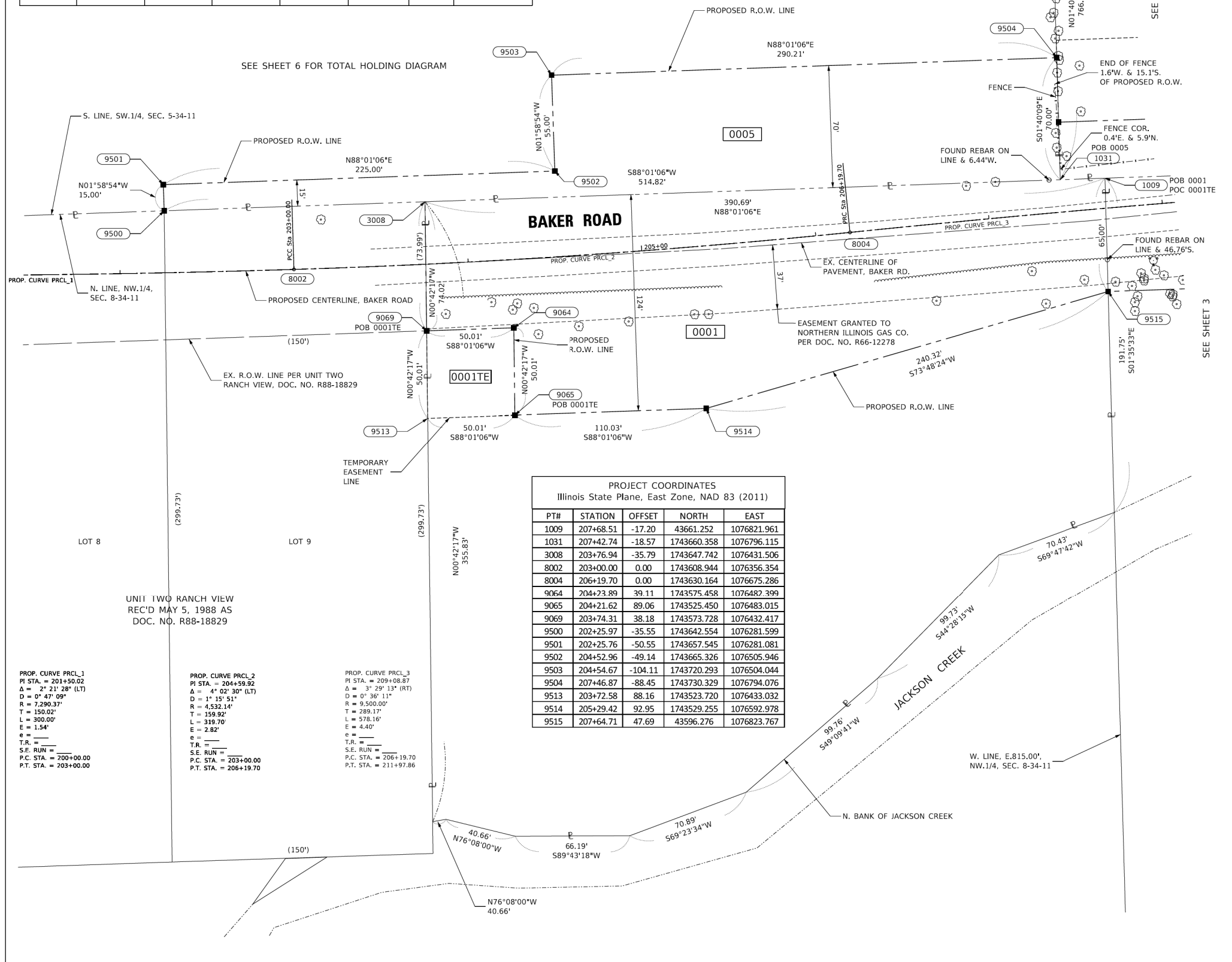
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RT & A Ruettiger, Tonelli & Associates, Inc.
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
 129 CARPENTER DRIVE - SHOREWOOD, ILLINOIS 60404
 PH: (815) 744-6600 FAX: (815) 744-0101
 website: www.ruettiger-tonelli.com
R.T. & A. Dwg. No.: 2020-1045.00

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
BAKER ROAD OVER JACKSON CREEK

LIMITS: COUNTY: WILL
 SECTION: 14-12112-01-BR JOB NO.: P-91-183-15
 STA. 202+25.76 TO STA. 207+68.51
 SCALE: 1"=30' SHEET 2 OF 7 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433



PROJECT COORDINATES
 Illinois State Plane, East Zone, NAD 83 (2011)

PT#	STATION	OFFSET	NORTH	EAST
1009	207+68.51	-17.20	43661.252	1076821.961
1031	207+42.74	-18.57	1743660.358	1076796.115
3008	203+76.94	-35.79	1743647.742	1076431.506
8002	203+00.00	0.00	1743608.944	1076356.354
8004	206+19.70	0.00	1743630.164	1076675.286
9064	204+23.89	39.11	1743575.458	1076482.399
9065	204+21.62	89.06	1743525.450	1076483.015
9069	203+74.31	38.18	1743573.728	1076432.417
9500	202+25.97	-35.55	1743642.554	1076281.599
9501	202+25.76	-50.55	1743657.545	1076281.081
9502	204+52.96	-49.14	1743665.326	1076505.946
9503	204+54.67	-104.11	1743720.293	1076504.044
9504	207+46.87	-88.45	1743730.329	1076794.076
9513	203+72.58	88.16	1743523.720	1076433.032
9514	205+29.42	92.95	1743529.255	1076592.978
9515	207+64.71	47.69	43596.276	1076823.767

PROF. CURVE PRCL.1
 PI STA. = 201+50.02
 Δ = 2° 21' 28" (LT)
 D = 0° 47' 09"
 R = 7,290.31'
 T = 150.02'
 L = 300.00'
 E = 1.54'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA. = 200+00.00
 P.T. STA. = 203+00.00

PROF. CURVE PRCL.2
 PI STA. = 204+59.92
 Δ = 4° 02' 30" (LT)
 D = 1° 15' 51"
 R = 4,532.14'
 T = 159.92'
 L = 319.70'
 E = 2.82'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA. = 203+00.00
 P.T. STA. = 206+19.70

PROF. CURVE PRCL.3
 PI STA. = 209+08.87
 Δ = 3° 29' 13" (RT)
 D = 0° 36' 11"
 R = 9,500.00'
 T = 289.17'
 L = 578.16'
 E = 4.40'
 e =
 T.R. =
 S.E. RUN =
 P.C. STA. = 206+19.70
 P.T. STA. = 211+97.86

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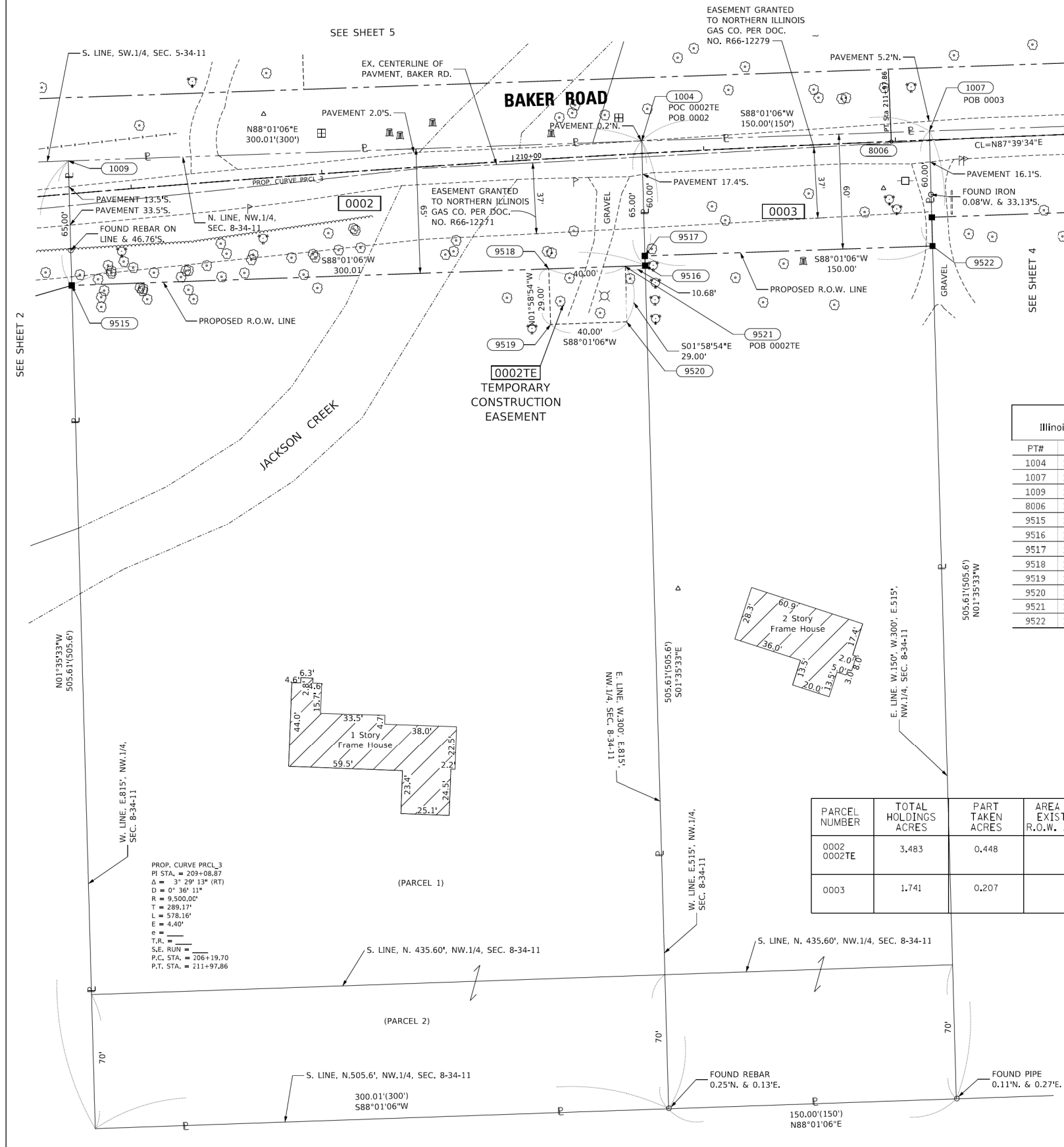
USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 2,000.0' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS
 SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	26
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

PART OF THE SW.1/4 OF SECTION 5 AND PART OF THE NW.1/4 OF SECTION 8, ALL IN TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED TEMPORARY EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

POINT OF BEGINNING

POINT OF COMMENCEMENT

COMMERCIAL BUILDING

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

STAKING OF PROPOSED RIGHT OF WAY PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT OF WAY MONUMENTATION REQUIREMENTS (STAKING WILL BE PERFORMED AT A LATER DATE PER THE DIRECTION OF WCDOT).

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE
0 30
SCALE: 1"=30'

PROJECT COORDINATES

Illinois State Plane, East Zone, NAD 83 (2011)

PT#	STATION	OFFSET	NORTH	EAST
1004	210+67.97	-6.50	1743671.627	1077121.788
1007	212+17.88	-4.67	1743676.815	1077271.702
1009	207+68.51	-17.20	1743661.252	1076821.961
8006	211+97.86	0.00	1743671.334	1077251.887
9515	207+64.71	47.69	1743596.276	1076823.767
9516	210+66.22	58.48	1743606.651	1077123.594
9517	210+66.36	53.48	1743611.649	1077123.456
9518	210+15.24	57.33	1743604.898	1077072.941
9519	210+14.49	86.32	1743575.915	1077073.944
9520	210+54.85	87.26	1743577.299	1077113.920
9521	210+55.47	58.26	1743606.281	1077112.917
9522	212+17.10	55.33	1743616.836	1077273.369

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-AREAS SHOWN ON THIS PLAT ARE "GROUND"

STATE OF ILLINOIS) JSS
COUNTY OF WILL)

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DATED AT SHOREWOOD, ILLINOIS THIS ____ DAY OF _____, 202__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11/30/2024

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

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0002 0002TE	3.483	0.448		3,035	0,027		14-12-08-100-009
0003	1.741	0,207		1,534			14-12-08-100-007

Ruettiger, Tonelli & Associates, Inc.

Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants

129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404
PH: (815) 744-6000 FAX: (815) 744-0101
website: www.ruettiger-tonelli.com

R.T. & A. Dwg. No.: 2020-1045.00

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
BAKER ROAD OVER JACKSON CREEK

LIMITS: SECTION: 14-12112-01-BR COUNTY: WILL JOB NO.: P-91-183-15
STA. 207+68.51 TO STA. 212+17.88
SCALE: 1"=30' SHEET 3 OF 7 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

IDOT USE ONLY

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P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 2,000.0' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

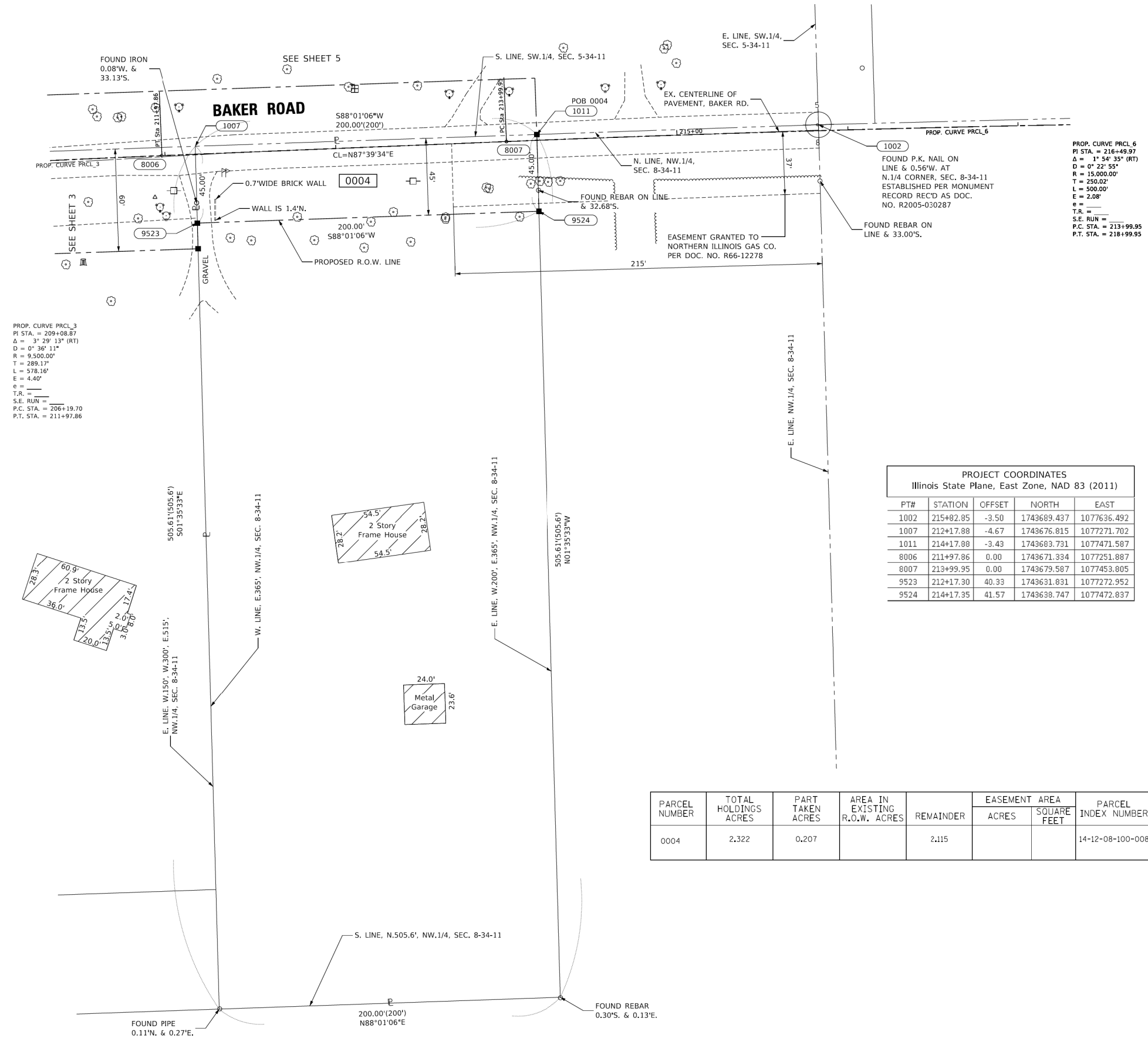
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS

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

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	27
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

PART OF THE SW.1/4 OF SECTION 5 AND PART OF THE NW.1/4 OF SECTION 8, ALL IN TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED TEMPORARY EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

POB POINT OF BEGINNING

POC POINT OF COMMENCEMENT

(COMM.) COMMERCIAL BUILDING

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

*MAG*NAIL SET

5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT OF WAY MONUMENTATION REQUIREMENTS (STAKING WILL BE PERFORMED AT A LATER DATE PER THE DIRECTION OF WCDOT).

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 3/8" INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

129.32'

129.32' (COMP)

129.32'

EXISTING BUILDING

POB POINT OF BEGINNING

POC POINT OF COMMENCEMENT

(COMM.) COMMERCIAL BUILDING

IRON PIPE OR ROD FOUND

*MAG*NAIL SET

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DATED AT SHOREWOOD, ILLINOIS THIS ____ DAY OF _____, 202__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
 LICENSE EXPIRATION DATE: 11/30/2024

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PROJECT COORDINATES
 Illinois State Plane, East Zone, NAD 83 (2011)

PTH	STATION	OFFSET	NORTH	EAST
1002	215+82.85	-3.50	1743689.437	1077636.492
1007	212+17.88	-4.67	1743676.815	1077271.702
1011	214+17.88	-3.43	1743683.731	1077471.587
8006	211+97.86	0.00	1743671.334	1077251.887
8007	213+99.95	0.00	1743679.587	1077453.805
9523	212+17.30	40.33	1743631.831	1077272.952
9524	214+17.35	41.57	1743638.747	1077472.837

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0004	2.322	0.207		2.115			14-12-08-100-008

RT & A Ruettiger, Tonelli & Associates, Inc.
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
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PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
BAKER ROAD OVER JACKSON CREEK

LIMITS: COUNTY: WILL
 SECTION: 14-12112-01-BR JOB NO.: P-91-183-15
 STA. 212+17.30 TO STA. 214+17.88
 SCALE: 1"=30' SHEET 4 OF 7 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

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CiorbaGroup
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USER NAME	DESIGNED	REVISIONS
Roadway	EPS	-
	TBH	-
	EPS	-
		-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS

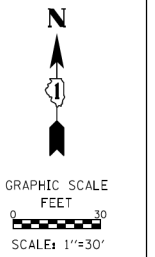
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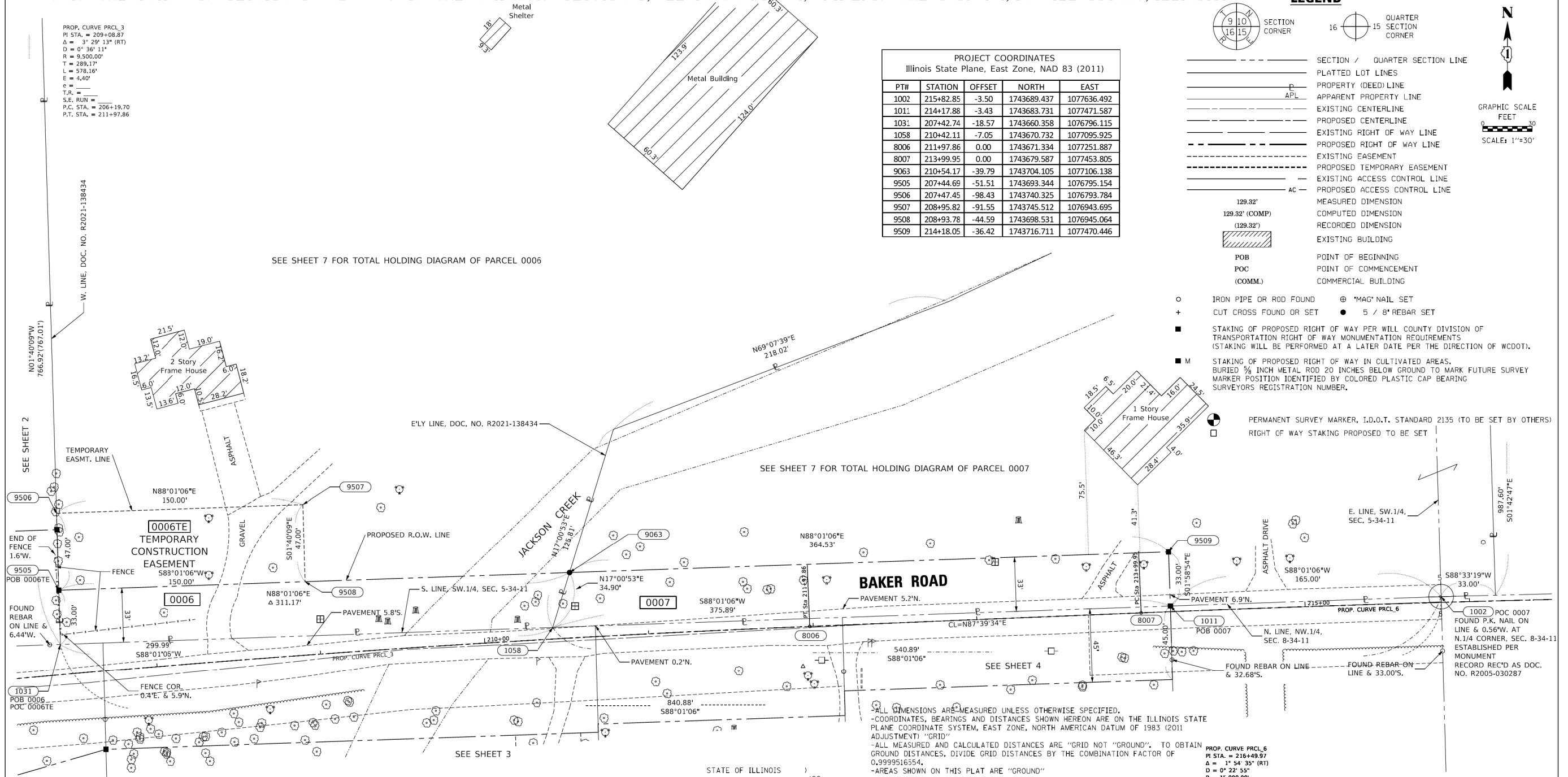
LEGEND

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- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
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- PROPERTY (DEED) LINE
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PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

PTH	STATION	OFFSET	NORTH	EAST
1002	215+82.85	-3.50	1743689.437	1077636.492
1011	214+17.88	-3.43	1743683.731	1077471.587
1031	207+42.74	-18.57	1743660.358	1076796.115
1058	210+42.11	-7.05	1743670.732	1077095.925
8006	211+97.86	0.00	1743671.334	1077251.887
8007	213+99.95	0.00	1743679.587	1077453.805
9063	210+54.17	-39.79	1743704.105	1077106.138
9505	207+44.69	-51.51	1743693.344	1076795.154
9506	207+47.45	-98.43	1743740.325	1076793.784
9507	208+95.82	-91.55	1743745.512	1076943.695
9508	208+93.78	-44.59	1743698.531	1076945.064
9509	214+18.05	-36.42	1743716.711	1077470.446



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 -COORDINATES, BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 -ALL MEASURED AND CALCULATED DISTANCES ARE "GRID NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999516354.
 -AREAS SHOWN ON THIS PLAT ARE "GROUND"

PROP. CURVE PRC1_6
 P.I. STA. = 216+49.97
 Δ = 1° 54' 35" (RT)
 D = 0° 22' 55"
 R = 15,000.00'
 T = 250.02'
 L = 500.00'
 E = 2.08'
 C =
 T.R. =
 S.E. RUN =
 P.C. STA. = 213+99.95
 P.T. STA. = 218+99.95

RT & A **Ruettiger, Tonelli & Associates, Inc.**
 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
 129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404
 PH: (815) 744-6600 FAX: (815) 744-0101
 website: www.ruettiger-tonelli.com
R.T. & A. Dwg. No.: 2020-1045.00

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0006 0006TE	14.411	0.232		14.179	0.162		14-12-05-300-011
0007	2.798	0.280		2.518			14-12-05-300-010

STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 5 AND 8, TOWNSHIP 34 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE WILL COUNTY DIVISION OF TRANSPORTATION.
 DATED AT SHOREWOOD, ILLINOIS THIS _____ DAY OF _____, 202__ A.D.
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
 LICENSE EXPIRATION DATE: 11/30/2024
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

IDOT USE ONLY

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
BAKER ROAD OVER JACKSON CREEK
 LIMITS: SECTION: 14-12112-01-BR COUNTY: WILL JOB NO.: P-91-183-15
 STA. 207+42.74 TO STA. 214+18.05
 SCALE: 1"=30' SHEET 5 OF 7 SHEETS
WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

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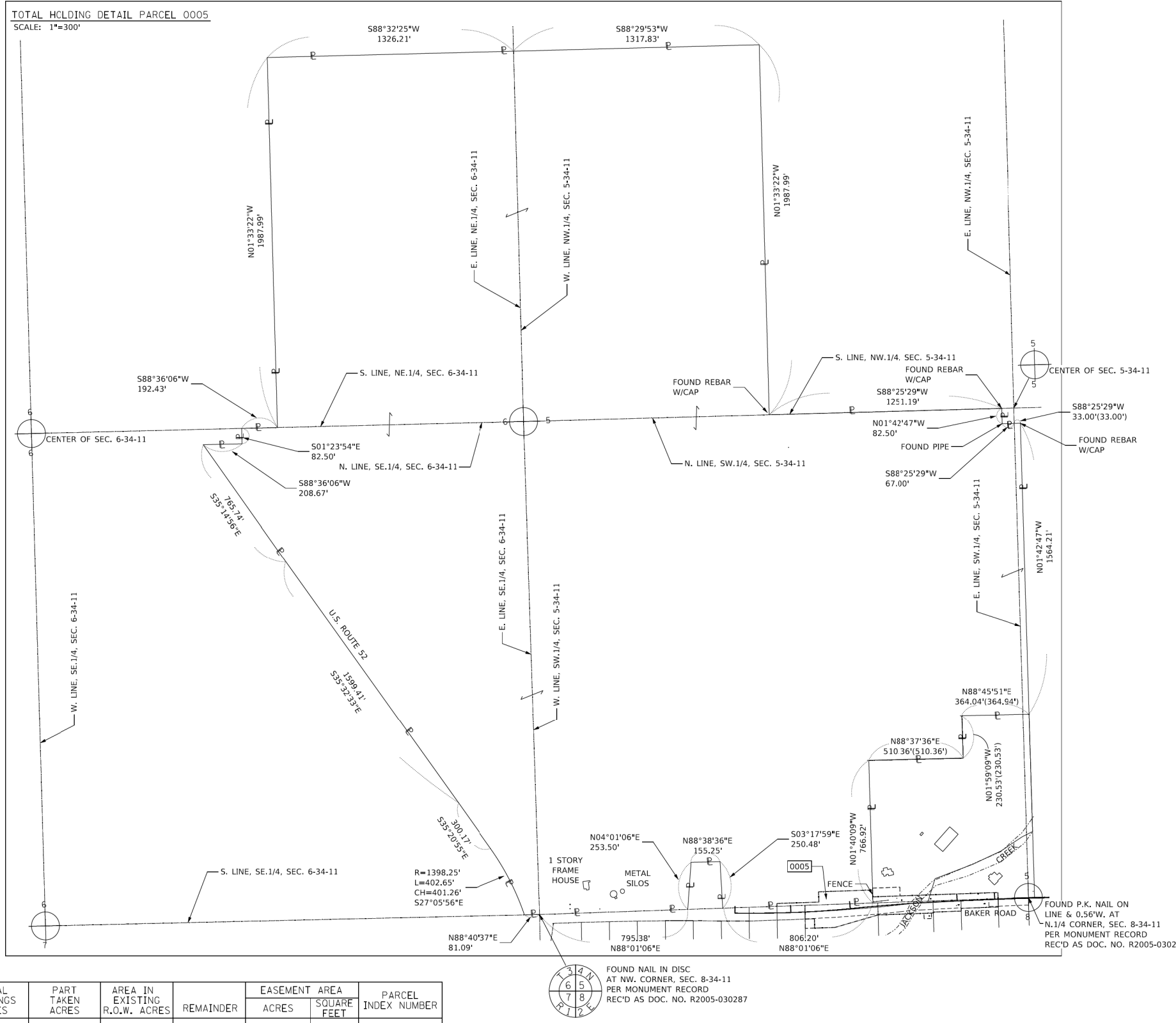
USER NAME	DESIGNED	REVISION
= Roadway	- EPS	-
	- TBH	-
	- EPS	-
	-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS
 SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

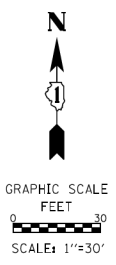
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	29
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

PART OF THE SW.1/4 OF SECTION 5 AND PART OF THE NW.1/4 OF SECTION 8, ALL IN TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED TEMPORARY EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- POINT OF BEGINNING
- POINT OF COMMENCEMENT
- COMMERCIAL BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- *MAG NAIL SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY PER WILL COUNTY DIVISION OF TRANSPORTATION REQUIREMENTS (STAKING WILL BE PERFORMED AT A LATER DATE PER THE DIRECTION OF WCDOT).
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 3/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



-ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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 -AREAS SHOWN ON THIS PLAT ARE "GROUND"

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

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DATED AT SHOREWOOD, ILLINOIS THIS ____ DAY OF _____, 202__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
 LICENSE EXPIRATION DATE: 11/30/2024

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

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 Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
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 PH: (815) 744-6600 FAX: (815) 744-0101
 website: www.ruettingertonelli.com
R.T. & A. Dwg. No.: 2020-1045.00

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
BAKER ROAD OVER JACKSON CREEK

LIMITS: SECTION: 14-12112-01-BR COUNTY: WILL
 STA. TO STA. JOB NO.: P-91-183-15
 SCALE: 1"=30' SHEET 6 OF 7 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
16841 W. LARAWAY ROAD
JOLIET, ILLINOIS 60433

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0005	318.539	0.544		317.995			14-12-05-300-006



FOUND NAIL IN DISC AT NW. CORNER, SEC. 8-34-11 PER MONUMENT RECORD REC'D AS DOC. NO. R2005-030287

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 P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 2,000' / 1"	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS
 SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	30
				CONTRACT NO. 61H32

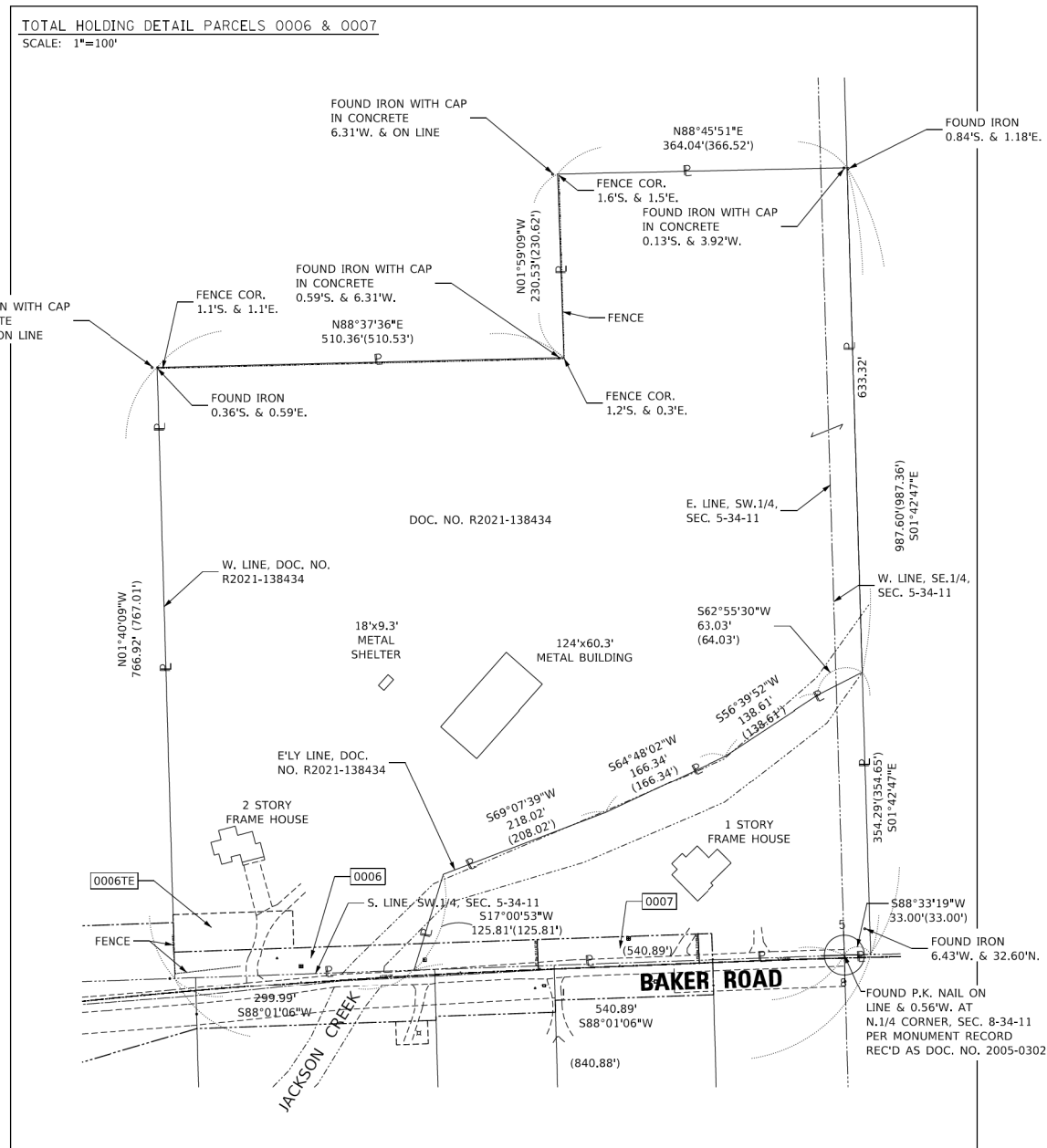
ILLINOIS FED. AID PROJECT

PART OF THE SW.1/4 OF SECTION 5 AND PART OF THE NW.1/4 OF SECTION 8, ALL IN TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED TEMPORARY EASEMENT
 EXISTING ACCESS CONTROL LINE
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 MEASURED DIMENSION
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 POINT OF COMMENCEMENT
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 IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 MAG NAIL SET
 5 / 8" REBAR SET
 STAKING OF PROPOSED RIGHT OF WAY PER WILL COUNTY DIVISION OF TRANSPORTATION RIGHT OF WAY MONUMENTATION REQUIREMENTS (STAKING WILL BE PERFORMED AT A LATER DATE PER THE DIRECTION OF WCDOT).
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 3/8" METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE
 FEET
 0 30
 SCALE: 1"=30'



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 R.T. & A. Dwg. No.: 2020-1045.00

PLAT OF HIGHWAYS
WILL COUNTY
DIVISION OF TRANSPORTATION
BAKER ROAD OVER JACKSON CREEK

LIMITS: COUNTY: WILL
 SECTION: 14-12112-01-BR JOB NO.: P-91-183-15
 STA. TO STA.
 SCALE: 1"=30' SHEET 7 OF 7 SHEETS

WILL COUNTY DIVISION OF TRANSPORTATION
 16841 W. LARAWAY ROAD
 JOLIET, ILLINOIS 60433

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0006 0006TE	14.411	0.232		14.179	0.162		14-12-05-300-011
0007	2.798	0.280		2.518			14-12-05-300-010

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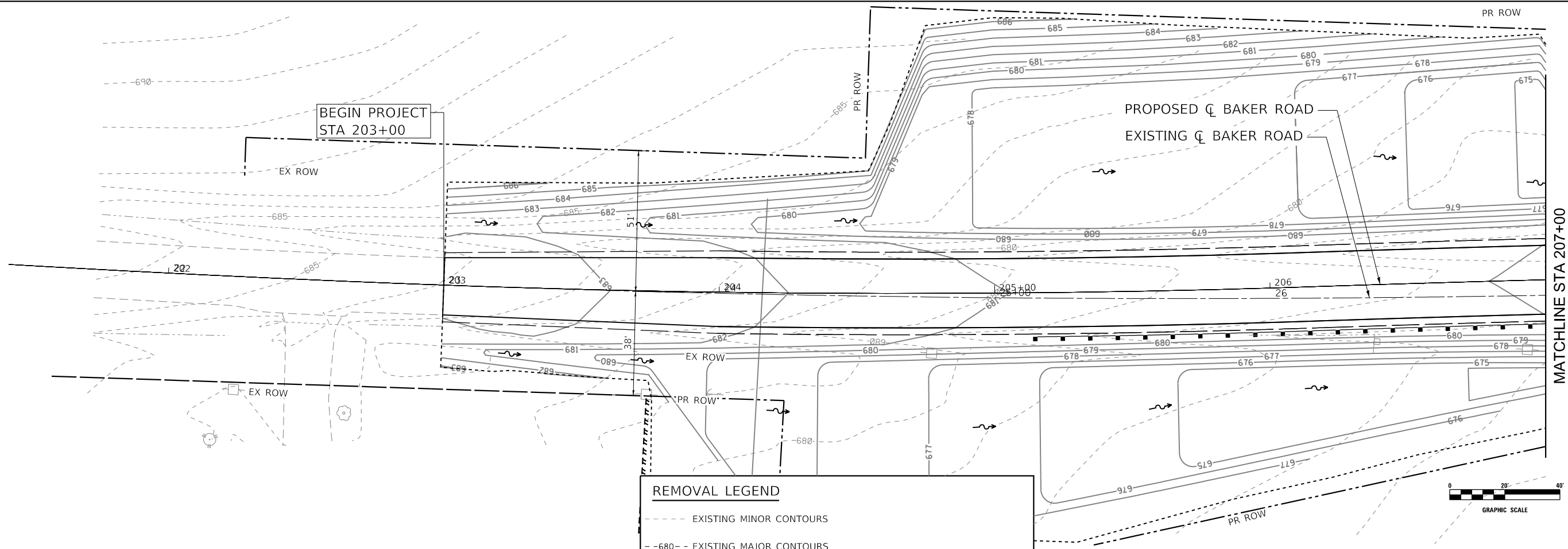
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PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
PLAT OF HIGHWAYS

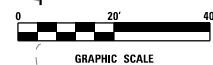
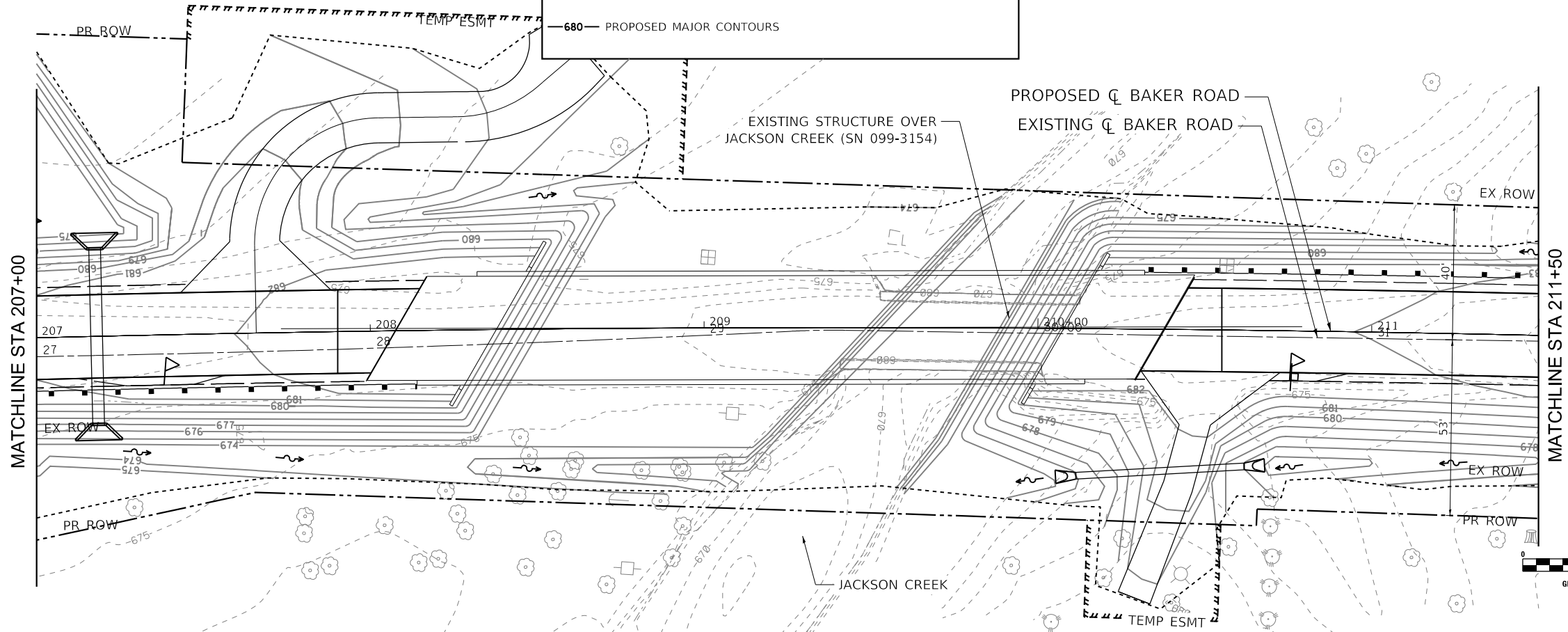
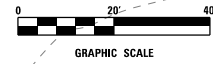
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	31
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		



REMOVAL LEGEND

- - - - - EXISTING MINOR CONTOURS
- 680- - - EXISTING MAJOR CONTOURS
- 680- - - PROPOSED MINOR CONTOURS
- 680- - - PROPOSED MAJOR CONTOURS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

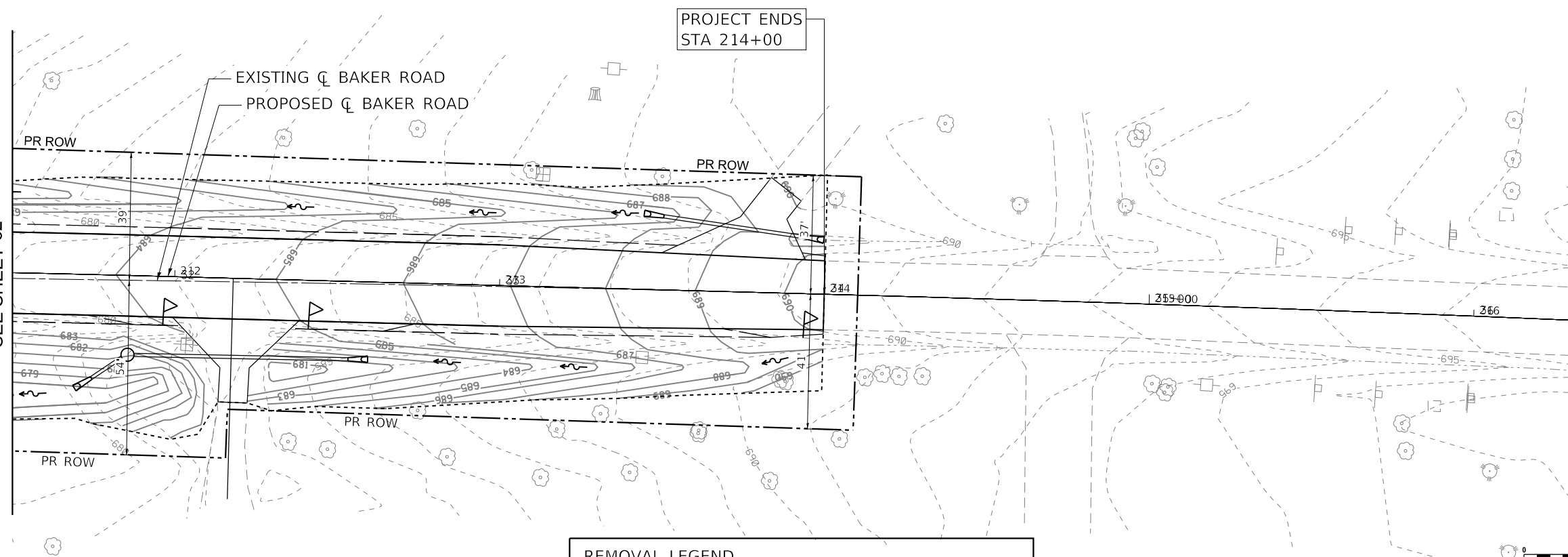
BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
GRADING PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 203+00 TO STA. 211+50

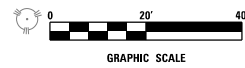
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	32
			CONTRACT NO. 61H32	
		ILLINOIS	FED. AID PROJECT	



MATCHLINE STA 211+50
SEE SHEET 32



REMOVAL LEGEND	
- - - -	EXISTING MINOR CONTOURS
- -680 - -	EXISTING MAJOR CONTOURS
-680-	PROPOSED MINOR CONTOURS
-680-	PROPOSED MAJOR CONTOURS



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

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
GRADING PLAN**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 211+50 TO STA. 214+00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	33
			CONTRACT NO. 61H32	
		ILLINOIS	FED. AID PROJECT	

Bench Mark: MAG Nail in the northwest face of the fourth power pole east of the bridge, Elev. 699.938.

Existing structure, S.N. 099-3154 was built in 1923. The structure is a single span concrete through-girder bridge that carries one lane of traffic. The out-to-out 22'-6" width includes two 2'-3" parapets. The existing clear span measures 55'-0" between the front face of the concrete integral abutments.

Structure to be removed and replaced with a four span, precast prestressed deck beams bridge. Baker Road is to be closed with a detour during construction.

No salvage.

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

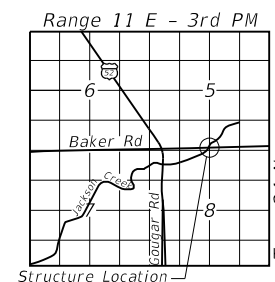
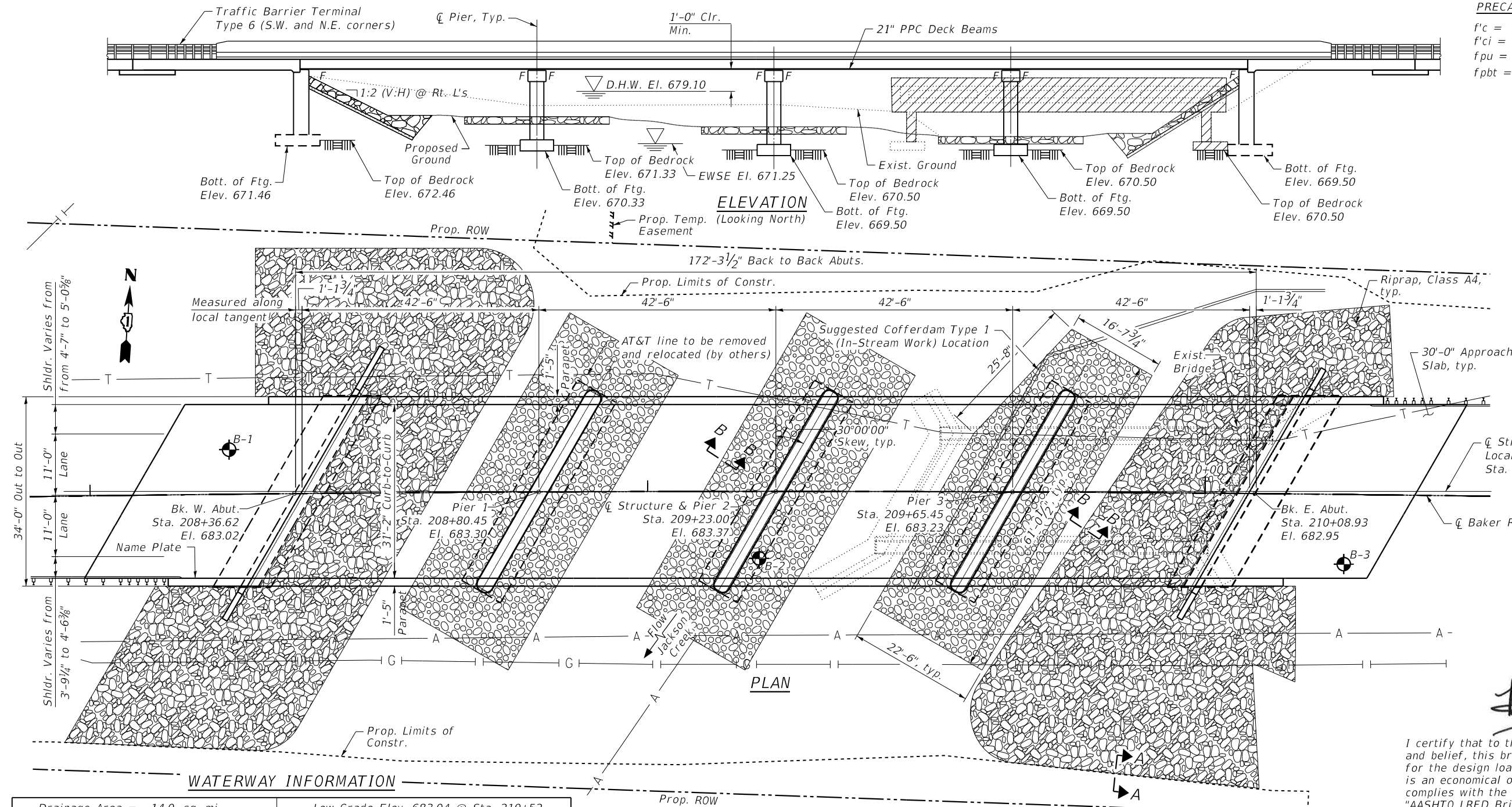
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.079g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.124g
Soil Site Class = C

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f'_c = 4,000$ psi (Superstructure)
 $f'_c = 5,000$ psi (Concrete Wearing Surface)
 $f_y = 60,000$ psi (Reinforcement)

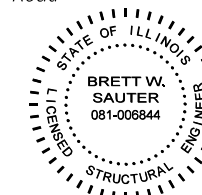
PRECAST PRESTRESSED UNITS
 $f'_c = 6,000$ psi
 $f'_{ci} = 5,000$ psi
 $f_{pu} = 270,000$ psi ($\frac{1}{2}$ " \varnothing low lax. strands)
 $f_{pbt} = 201,960$ psi ($\frac{1}{2}$ " \varnothing low lax. strands)



LOCATION SKETCH

CURVE DATA

$\Delta = 3^\circ 29' 13''$ (RT)
 $D = 0^\circ 36' 11''$
 $T = 289.17'$
 $L = 578.16'$
 $E = 4.40'$
 $R = 9,500.00'$
P.C. = Sta. 206+19.70
P.I. = Sta. 209+08.87
P.T. = Sta. 211+97.86



DATE: 7/29/2024
SEAL EXPIRES: 11/30/2024

Brett W. Sauter

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current "AASHTO LRFD Bridge Design Specifications"

WATERWAY INFORMATION

Drainage Area = 14.0 sq. mi. Low Grade Elev. 683.04 @ Sta. 210+52

Flood Area	Freq. Yr.	Q C.F.S.	Opening Ft ²		Natural H.W.E.	Head - Ft		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
2-Year	2	756	242	453	676.3	0.2	0.0	676.5	676.3
Ten-Year	10	1,530	242	758	677.8	0.5	0.0	678.3	677.8
Design	30	2,270	242	858	679.1	0.2	0.0	679.3	679.1
Base	100	3,182	242	1,031	680.0	0.1	0.1	680.1	680.1
Scour Check	200	3,342	242	1,058	680.1	0.0	0.1	680.1	680.2
Max. Calc.	500	3,860	242	1,146	680.7	0.0	0.1	680.7	681.0

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)					Item 113
	W. Abut.	Pier 1	Pier 2	Pier 3	E. Abut.	
Q100	N/A	672.5	672.5	672.5	N/A	8
Q200	N/A	672.5	672.5	672.5	N/A	
Design	N/A	672.5	672.5	672.5	N/A	
Check	N/A	672.5	672.5	672.5	N/A	

LEGEND

- T Existing Underground Telephone
- G Existing Underground Nicor Gas Line
- A Existing Aerial Line
- Soil Borings
- Limits of Removal
- Weathered Bedrock

NOTE:

1. For Sections A-A and B-B, See Sheet S-2

GENERAL PLAN AND ELEVATION
BAKER ROAD OVER JACKSON CREEK
TR 181 - SEC. 14-12112-01-BR
WILL COUNTY
STATION 209+23.00
STRUCTURE NO. 099-3155



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PLOT SCALE = N.T.S.	DRAWN - RA / SBA	REVISED -
PLOT DATE = 7/29/2024	CHECKED - BWS	REVISED -
	DATE - 7/29/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S-1 OF S-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	34
CONTRACT NO. 61H32				

ILLINOIS FED. AID PROJECT

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GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- Riprap to be placed after pier #3 has been fully constructed. Cofferdam Location 1 refers to the cofferdam required to place riprap in the east side of the channel. ESWE = 671.25.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The Contractor shall take extreme caution during all phases of construction to prevent the deposition of any material into Jackson Creek. Demolition and construction activities within the floodplain shall be limited to the grading limits shown on the grading detail.
- The contractor is advised that the existing structure contains members that are in deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the existing structure when developing construction procedures for removal.
- Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
- Backfill shall be placed behind the abutment after the superstructure has been poured and falsework has been removed. See Article 502.10 of the Standard Specifications.

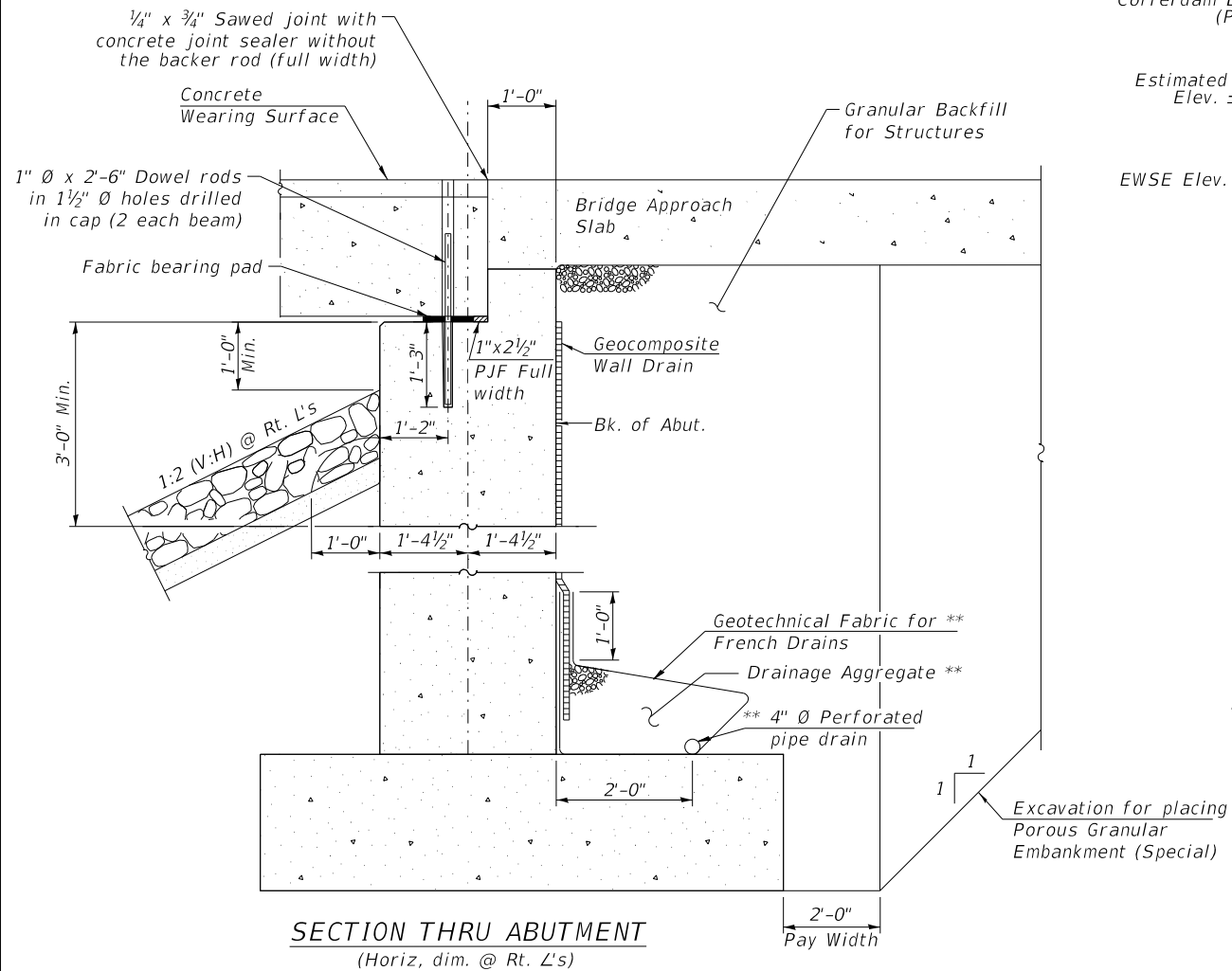
INDEX OF SHEETS

- S-1 General Plan and Elevation
- S-2 General Notes, Index of Sheets and Total Bill of Material
- S-3 Top of West Approach Slab Elevation
- S-4 Top of East Approach Slab Elevation
- S-5 Superstructure Plan and Cross-Section
- S-6 Superstructure Details
- S-7 Bridge Approach Slab Details I
- S-8 Bridge Approach Slab Details II
- S-9 21"x36" PCC Deck Beams
- S-10 21"x36" PCC Deck Beam Details
- S-11 21"x48" PCC Deck Beams
- S-12 21"x48" PCC Deck Beam Details
- S-13 West Abutment Details
- S-14 East Abutment Details
- S-15 Pier Details I
- S-16 Pier Details II
- S-17 Soil Boring Logs
- S-18 Existing Plans I
- S-19 Existing Plans II

TOTAL BILL OF MATERIAL

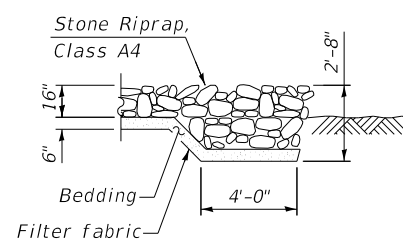
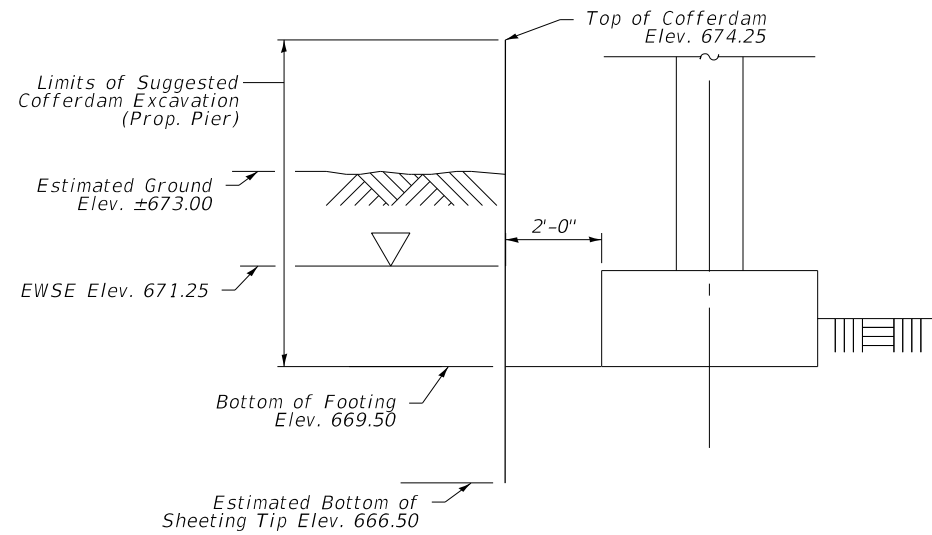
DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Stone Riprap, Class A4	Sq Yd		1,143		1,143
Filter Fabric	Sq Yd		990		990
Removal Of Existing Structures	Each		0.5	0.5	1
Structure Excavation	Cu Yd		875		875
Cofferdam Excavation	Cu Yd		69		69
Rock Excavation For Structures	Cu Yd		108		108
Concrete Structures	Cu Yd		332.4		332.4
Concrete Superstructure	Cu Yd			51.9	51.9
Bridge Deck Grooving	Sq Yd			746	746
Protective Coat	Sq Yd			980	980
Concrete Superstructure (Approach Slab)	Cu Yd			91.9	91.9
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq Ft			5,780	5,780
Reinforcement Bars, Epoxy Coated	Pound		34,390	64,020	98,410
Name Plates	Each			1	1
Granular Backfill For Structures	Cu Yd		235		235
Geocomposite Wall Drain	Sq Yd		110		110
Pipe Underdrains For Structures 4"	Foot		110		110
Cofferdam (Type 1) (In-Stream/Wetland Work)	Each	*	1		1
Concrete Wearing Surface, 5"	Sq Yd	*		643	643

* See project special provisions.

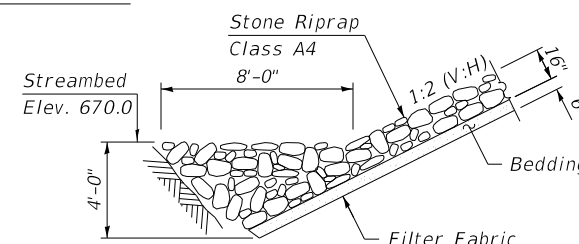


** Included in the cost of the Pipe Underdrains for Structures.

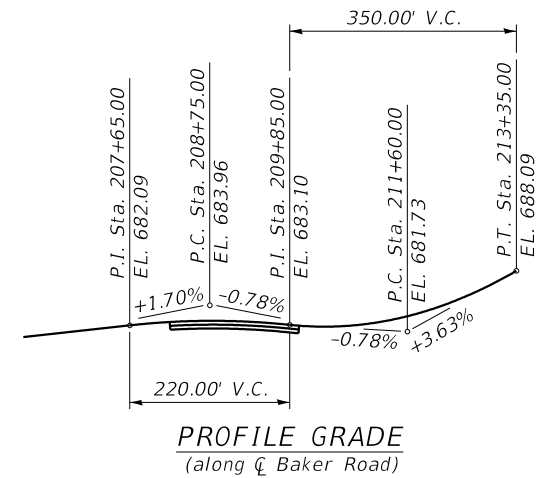
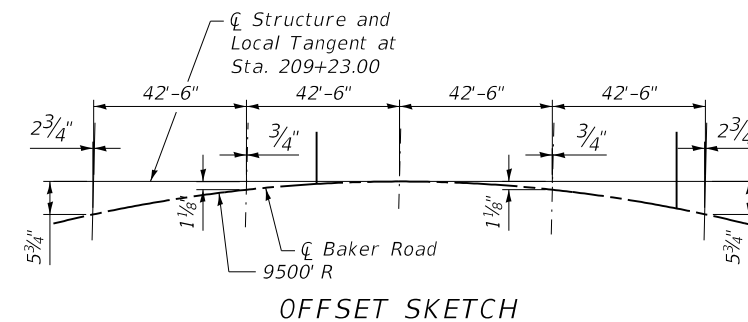
Note: All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION A-A



SECTION B-B



JACKSON CREEK
 BUILT 202X BY
 MANHATTAN TOWNSHIP
 SEC. 14-12112-01-BR
 STATION 209+23.00
 STR. NO. 099-3155 LOADING HL-93

NAME PLATE
 (See Std. 515001-04)

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CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - RA	REVISED -
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PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL
 STRUCTURE NO. 099-3155

SHEET 5-2 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	35
CONTRACT NO. 61H32				

ILLINOIS FED. AID PROJECT

N. EDGE OF SHOULDER

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of W. Appr. Pavement	208+17.18	16.17 Lt.	682.56
A1	208+27.16	16.07 Lt.	682.66
A2	208+37.14	15.97 Lt.	682.76
E. End of W. Appr. Pavement	208+47.12	15.89 Lt.	682.84

N. EDGE OF PAVEMENT

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of W. Appr. Pavement	208+14.11	11.00 Lt.	682.62
A1	208+24.17	11.00 Lt.	682.73
A2	208+34.21	11.00 Lt.	682.83
E. End of W. Appr. Pavement	208+44.25	11.00 Lt.	682.92

☐ BAKER ROAD AND P.G.L.

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of W. Appr. Pavement	208+07.59	0.00	682.71
A1	208+17.66	0.00	682.83
A2	208+27.72	0.00	682.93
E. End of W. Appr. Pavement	208+37.78	0.00	683.03

S. EDGE OF PAVEMENT

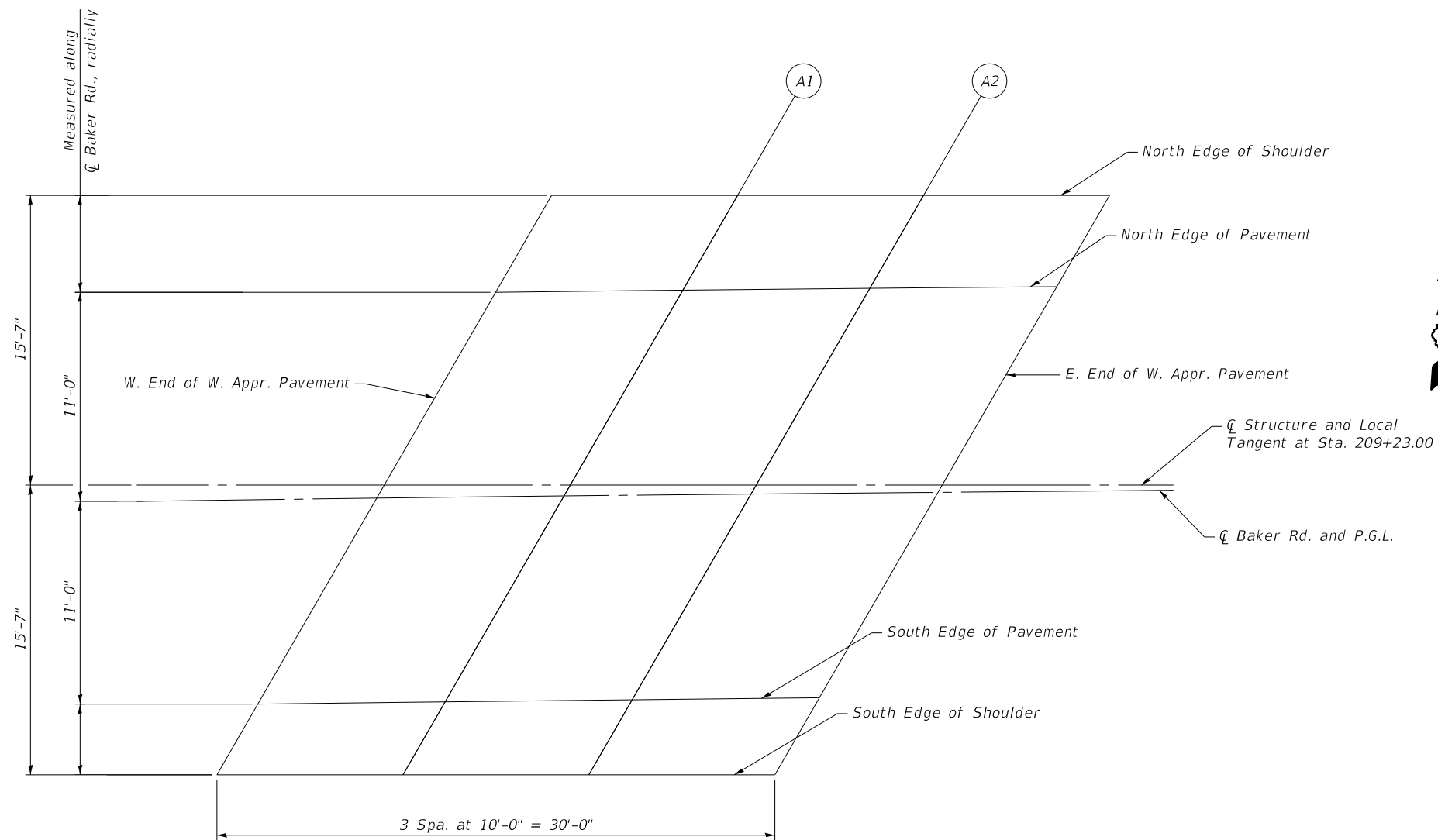
Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of W. Appr. Pavement	208+01.05	11.00 Rt.	682.46
A1	208+11.14	11.00 Rt.	682.59
A2	208+21.22	11.00 Rt.	682.70
E. End of W. Appr. Pavement	208+31.29	11.00 Rt.	682.80

S. EDGE OF SHOULDER

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of W. Appr. Pavement	207+98.81	14.77 Rt.	682.36
A1	208+08.82	14.90 Rt.	682.48
A2	208+18.84	15.01 Rt.	682.60
E. End of W. Appr. Pavement	208+28.85	15.12 Rt.	682.70

☐ STRUCTURE

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of W. Appr. Pavement	208+07.59	0.70 Lt.	682.70
A1	208+17.66	0.58 Lt.	682.82
A2	208+27.72	0.48 Lt.	682.93
E. End of W. Appr. Pavement	208+37.78	0.40 Lt.	683.02



PLAN

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF WEST APPROACH SLAB ELEVATION
 STRUCTURE NO. 099-3155**

SHEET 5-3 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	36
CONTRACT NO. 61H32				

ILLINOIS FED. AID PROJECT

N. EDGE OF SHOULDER

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of E. Appr. Pavement	210+16.84	16.05 Lt.	682.65
A3	210+26.82	16.15 Lt.	682.61
A4	210+36.80	16.27 Lt.	682.59
E. End of E. Appr. Pavement	210+46.79	16.39 Lt.	682.58

N. EDGE OF PAVEMENT

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of E. Appr. Pavement	210+14.00	11.00 Lt.	682.76
A3	210+23.93	11.00 Lt.	682.73
A4	210+33.85	11.00 Lt.	682.70
E. End of E. Appr. Pavement	210+43.77	11.00 Lt.	682.69

CL BAKER ROAD AND P.G.L.

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of E. Appr. Pavement	210+07.78	0.00	682.95
A3	210+17.73	0.00	682.91
A4	210+27.67	0.00	682.88
E. End of E. Appr. Pavement	210+37.60	0.00	682.86

S. EDGE OF PAVEMENT

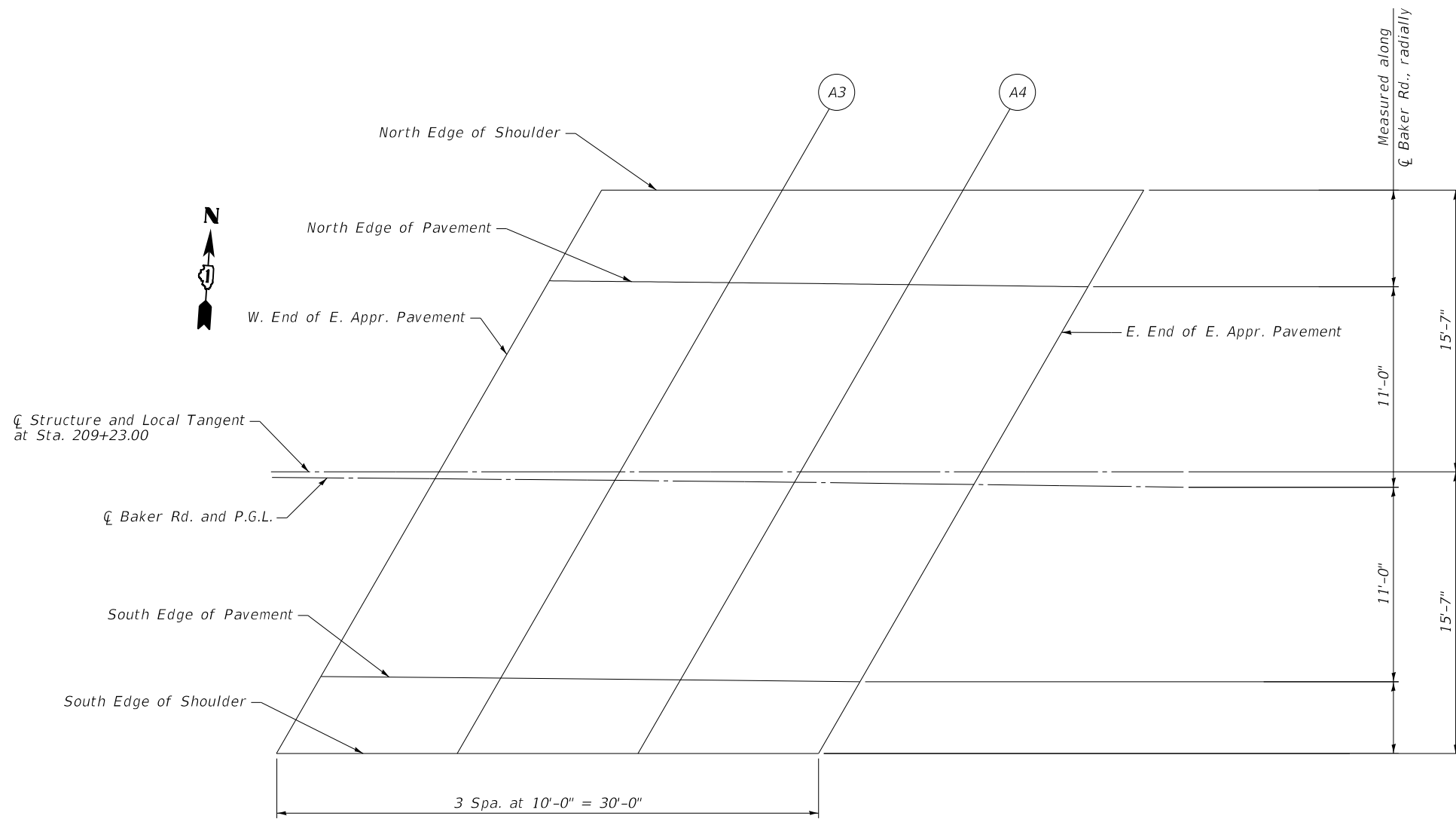
Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of E. Appr. Pavement	210+01.55	11.00 Rt.	682.82
A3	210+11.52	11.00 Rt.	682.77
A4	210+21.47	11.00 Rt.	682.73
E. End of E. Appr. Pavement	210+31.42	11.00 Rt.	682.71

S. EDGE OF SHOULDER

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of E. Appr. Pavement	209+99.13	15.28 Rt.	682.75
A3	210+09.14	15.19 Rt.	682.70
A4	210+19.16	15.10 Rt.	682.66
E. End of E. Appr. Pavement	210+29.17	14.99 Rt.	682.63

CL STRUCTURE

Location	Station	Offset (ft)	Theoretical Grade Elevations
W. End of E. Appr. Pavement	210+07.78	0.44 Lt.	682.95
A3	210+17.73	0.55 Lt.	682.90
A4	210+27.67	0.67 Lt.	682.87
E. End of E. Appr. Pavement	210+37.60	0.81 Lt.	682.85



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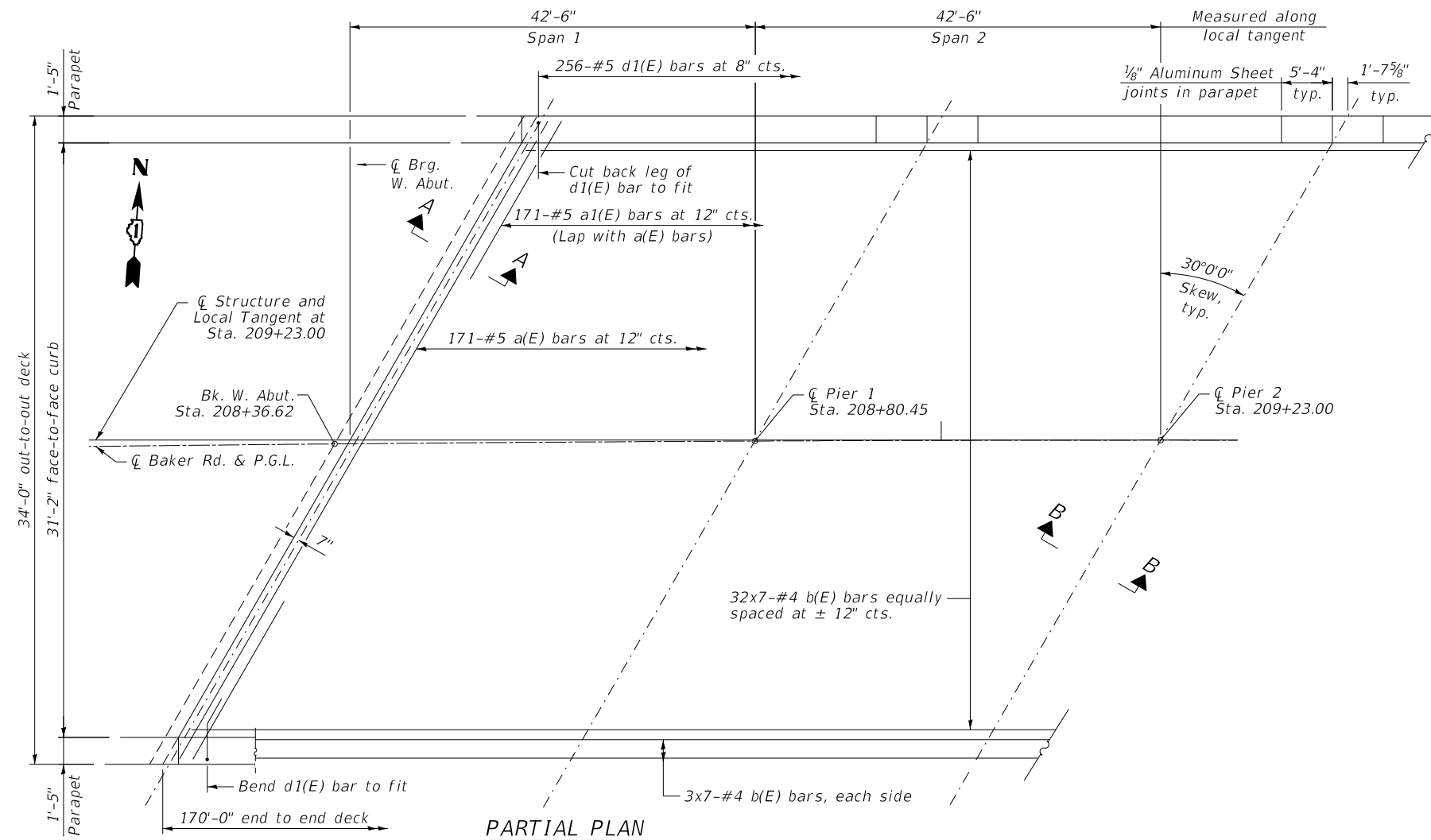
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

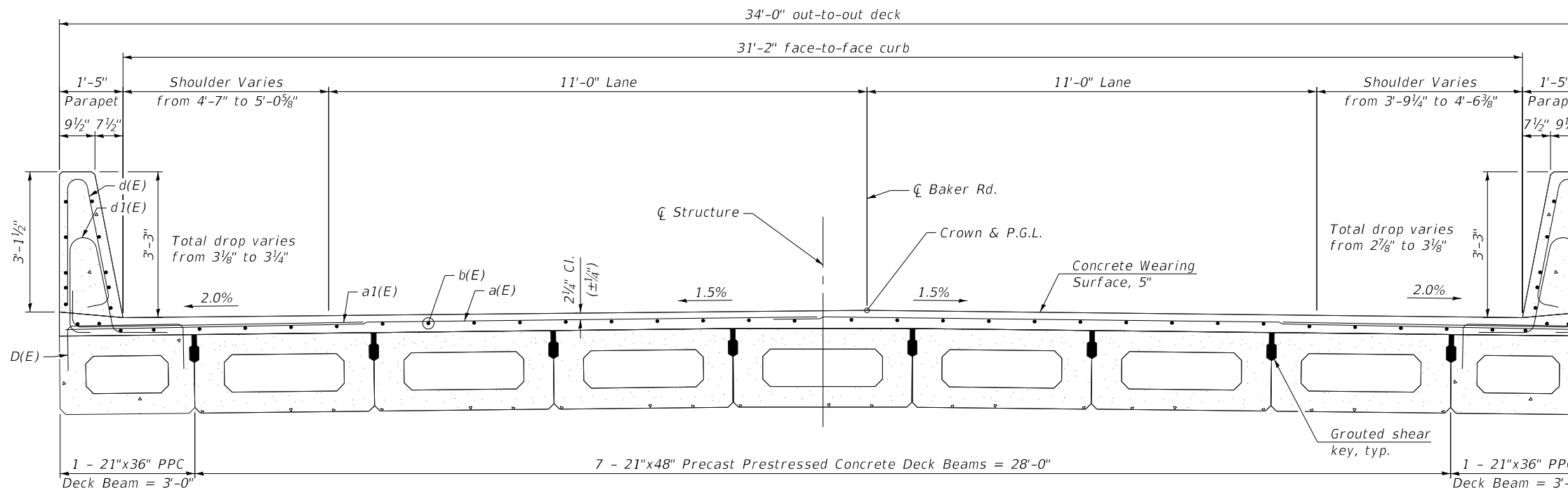
**TOP OF EAST APPROACH SLAB ELEVATION
 STRUCTURE NO. 099-3155**

SHEET 5-4 OF 5-19 SHEETS

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CONTRACT NO. 61H32				
		ILLINOIS	FED. AID PROJECT	

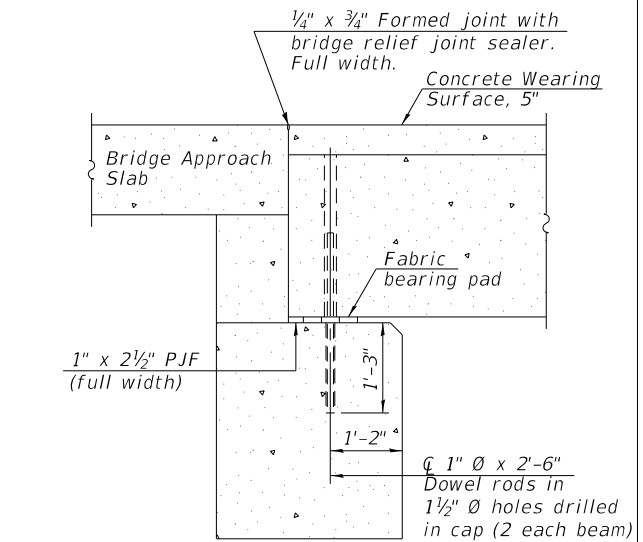


PARTIAL PLAN

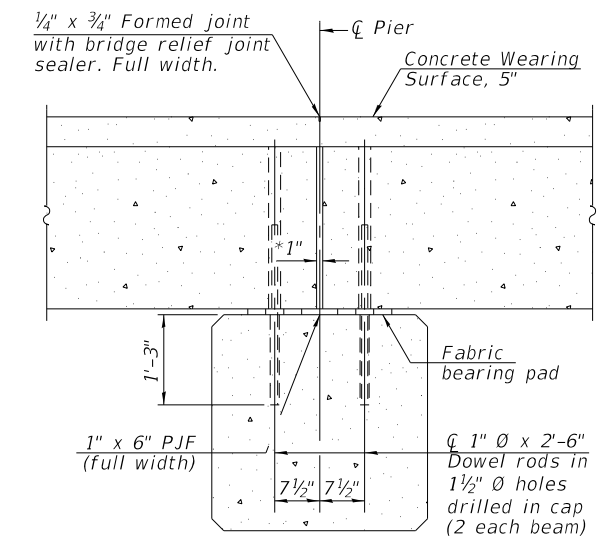


CROSS-SECTION
(Looking East)

MINIMUM BAR LAP
#4 = 2'-7"



SECTION A-A
(Dimensions are at Rt. L's)



SECTION B-B
(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

NOTES:

1. See sheet S-6 for Superstructure Details and Bill of Material.
2. Bars indicated thus 20x2-#4 etc. indicated 20 lines of bars with 2 lengths per line.
3. Spacing of a(E) and a1(E) bars shall be measured along the ϕ of structure.
4. Concrete wearing surface shall be placed prior to casting approach slab.
5. See sheets S-10 and S-12 for fabric bearing pad details.

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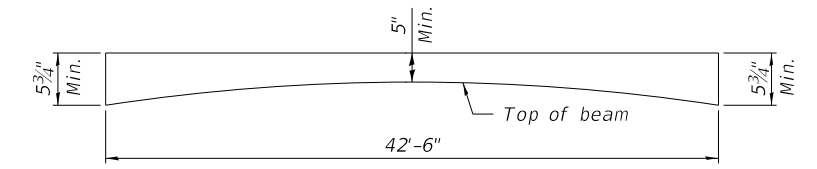
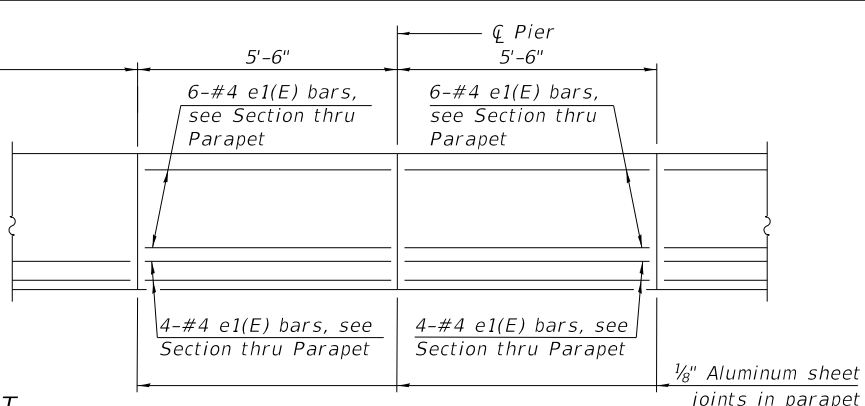
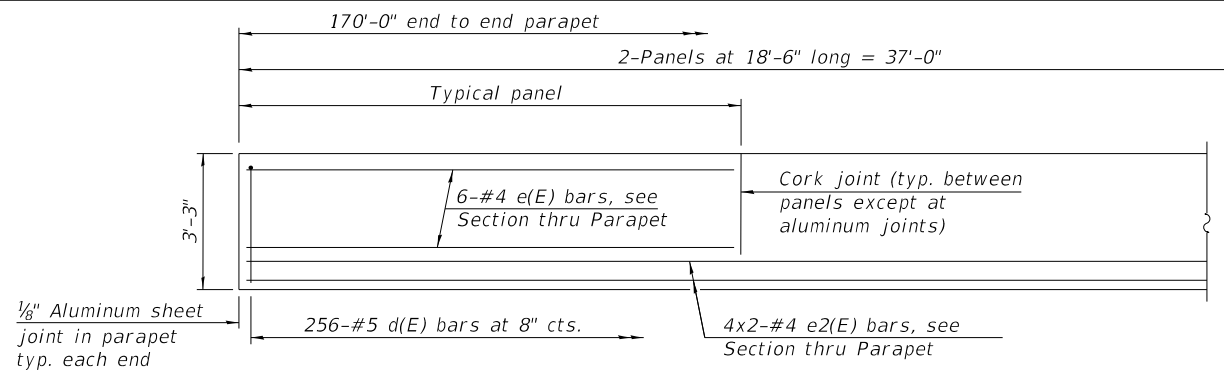
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN AND CROSS-SECTION
STRUCTURE NO. 099-3155

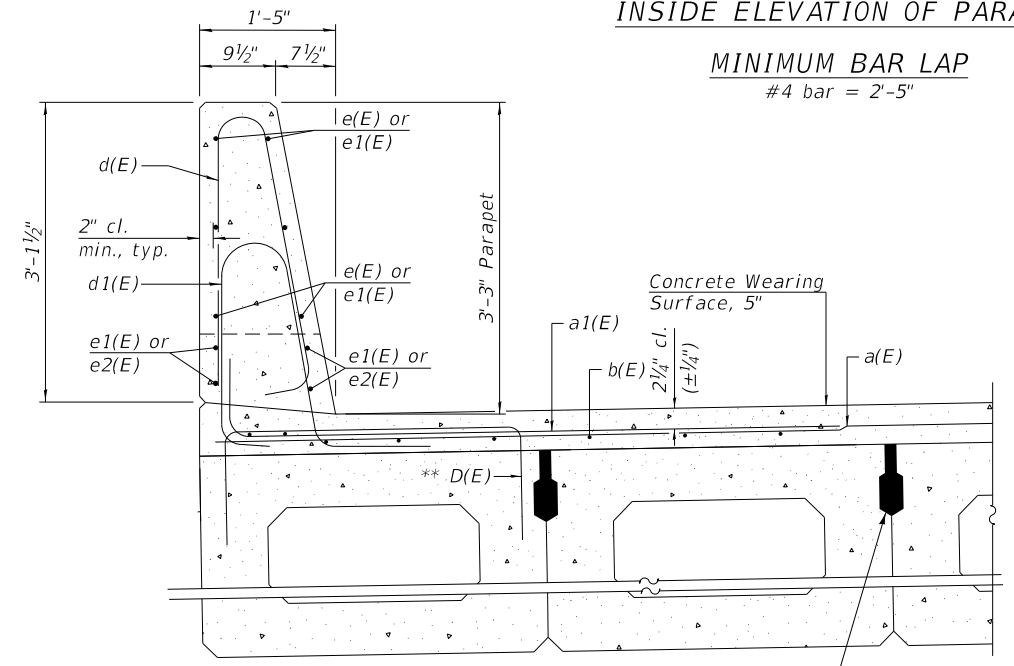
SHEET S-5 OF S-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H32				

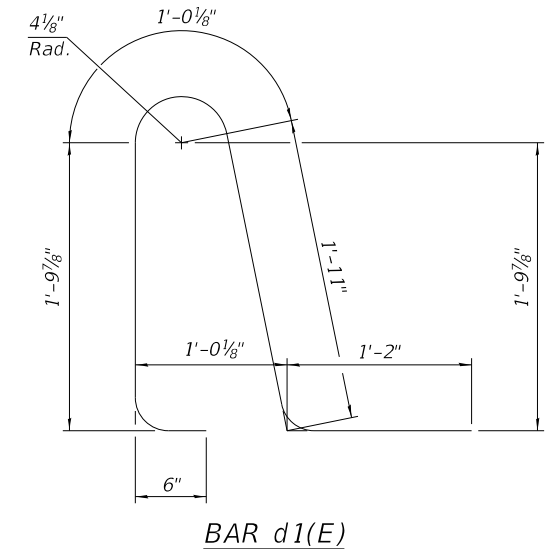
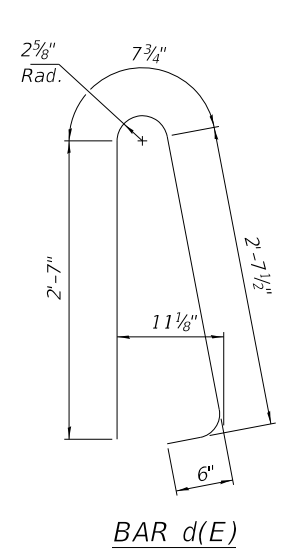
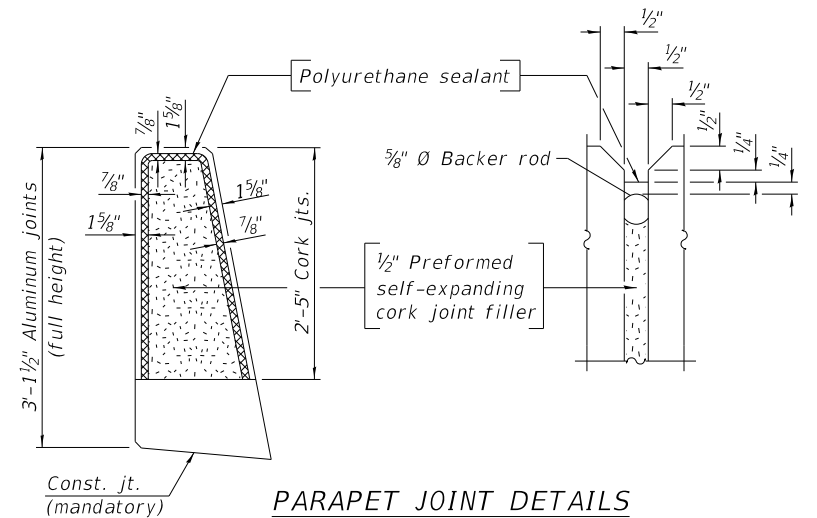
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INSIDE ELEVATION OF PARAPET



MINIMUM BAR LAP
#4 bar = 2'-5"



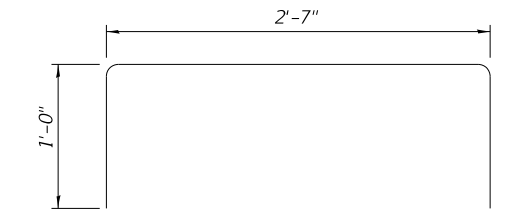
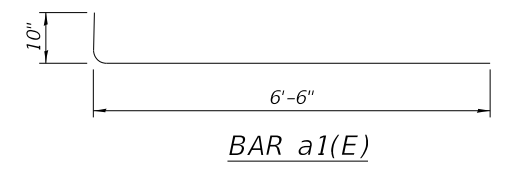
SECTION THRU PARAPET

** Place #4 D(E) bars in beams under parapets at 9" cts. along the skew projecting 3" above beam. D(E) bars included in cost of beam.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a(E)	171	#5	38'-10"	—	
a1(E)	342	#5	7'-4"	┌	
b(E)	266	#4	26'-6"	—	
d(E)	512	#5	6'-4.3"	U	
d1(E)	512	#5	6'-5"	U	
e(E)	96	#4	18'-2"	—	
e1(E)	120	#4	5'-2"	—	
e2(E)	64	#4	19'-7"	—	
Reinforcement Bars, Epoxy Coated				Pound	23,490
Concrete Superstructure				Cu Yd	44.1
Bridge Deck Grooving				Sq. Yd.	551
Protective Coat				Sq. Yd.	744
Concrete Wearing Surface, 5'				Sq Yd	643

Bars indicated thus 1x2-#4 etc. indicates 1 line of bars with 2 lengths per line.



NOTES:

- The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
- The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
- Parapet concrete shall be paid for as Concrete Superstructure.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

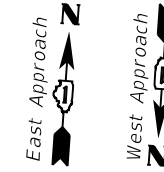
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 099-3155**

SHEET 5-6 OF 5-19 SHEETS

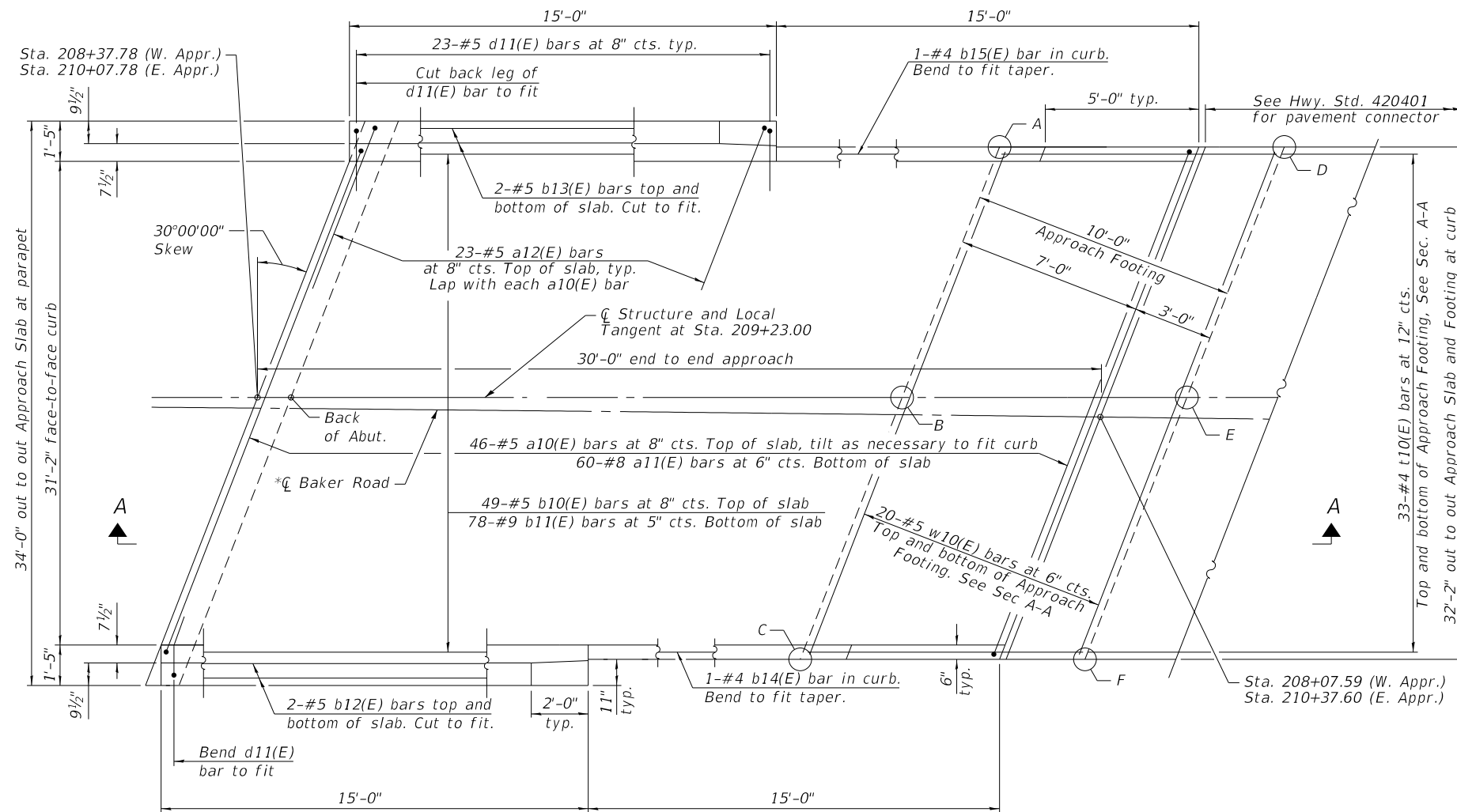
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	39
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

Point	Offset	West Approach		Offset	East Approach	
		Top	Bottom		Top	Bottom
A	-16.6 Rt.	680.54	679.71	16.81 Rt.	682.00	681.17
B	0.62 Lt.	680.85	680.02	0.62 Rt.	681.85	681.02
C	15.36 Lt.	681.09	680.25	15.57 Lt.	681.74	680.91
D	-16.71 Rt.	680.54	679.71	16.94 Rt.	682.00	681.17
E	-0.74 Rt.	680.83	679.99	0.74 Rt.	681.86	681.02
F	15.23 Lt.	681.09	680.25	15.47 Lt.	681.74	680.91

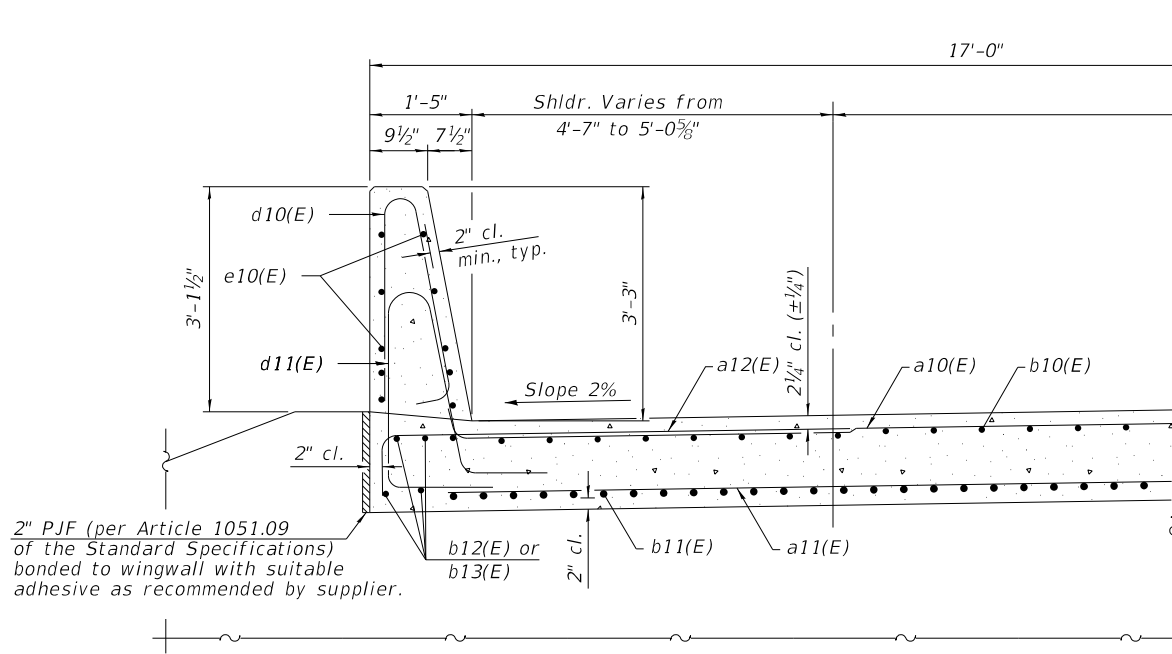


NOTE
See sheet S-8 for Section A-A and Bill of Material.

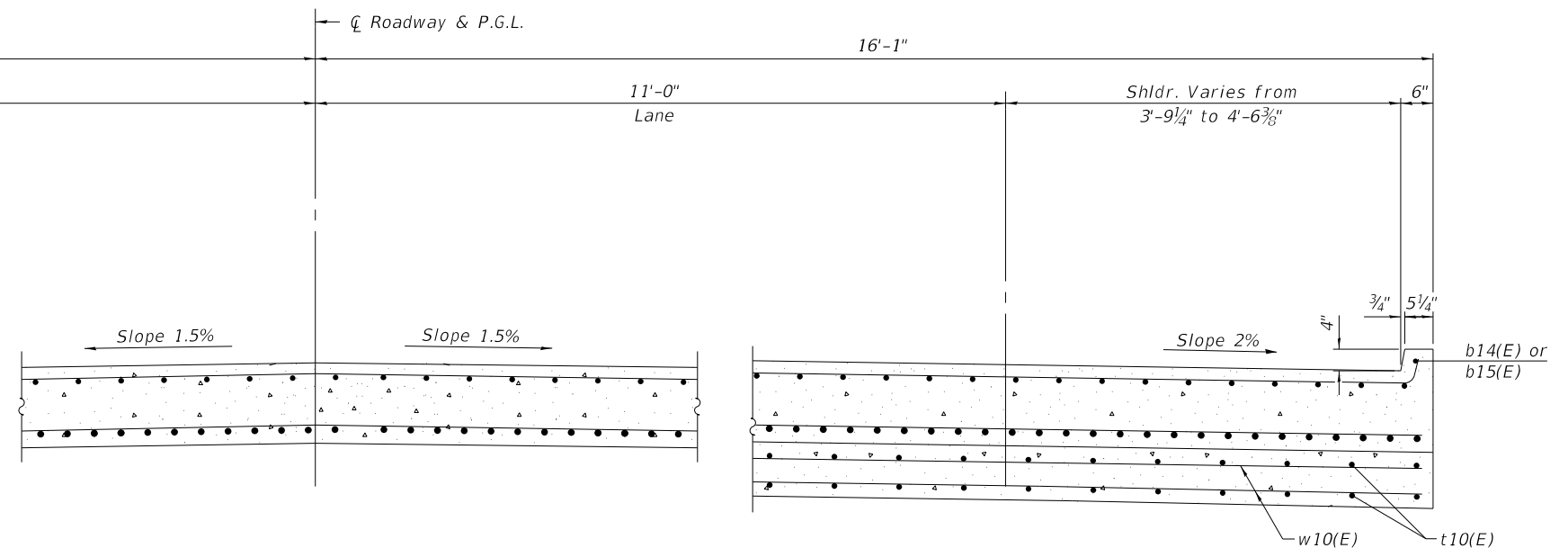


* \bar{C} Baker Road at E. Apr. Slab is Shown,
 \bar{C} Baker Road at W. Apr. Slab is similar,
see Sheets S-1 and S-3.

PLAN
(E. Apr. shown)



NEAR ABUTMENT



CROSS SECTION
(Looking East)

AT APPROACH FOOTING

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

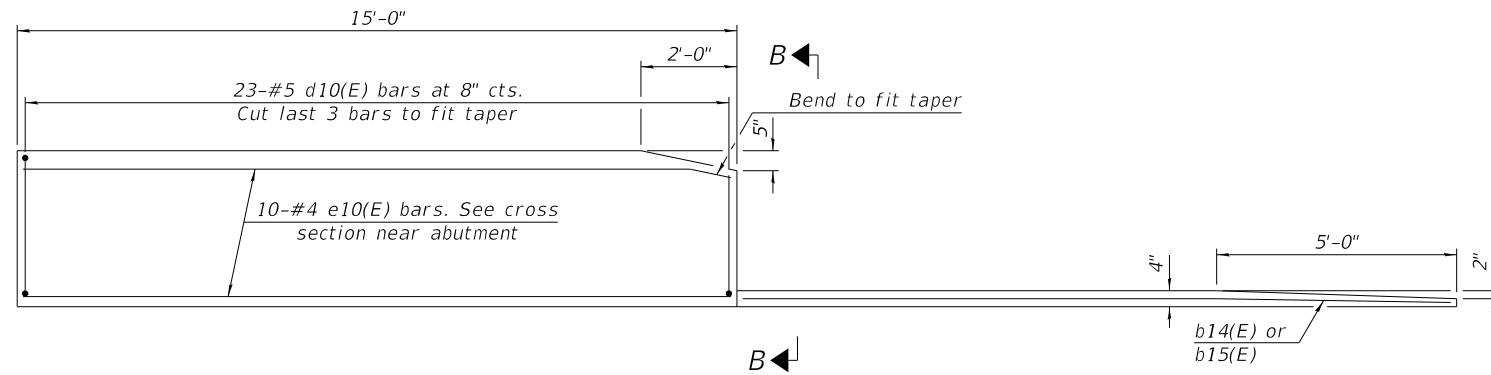
BRIDGE APPROACH SLAB DETAILS I
STRUCTURE NO. 099-3155

SHEET 5-7 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	40

CONTRACT NO. 61H32

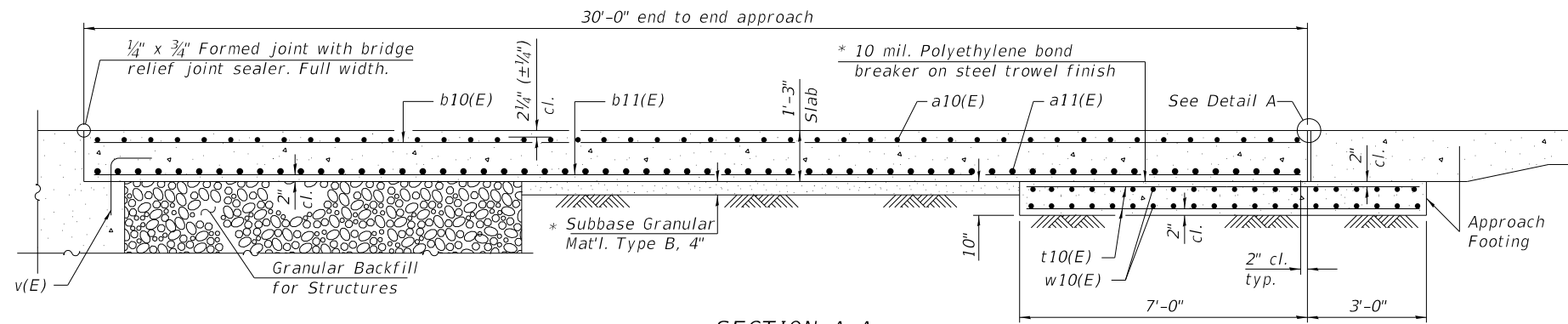
ILLINOIS FED. AID PROJECT



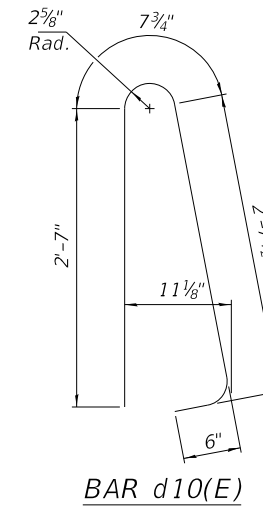
INSIDE ELEVATION OF PARAPET AND CURB

NOTES:

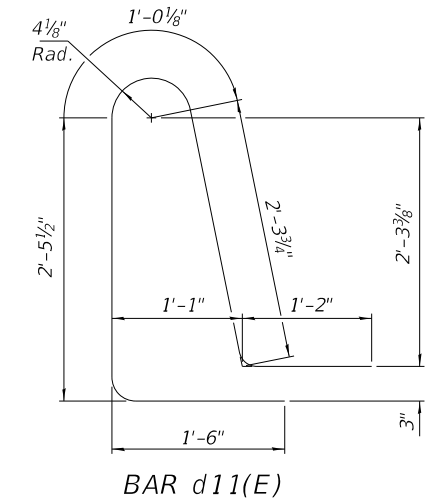
1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Parapet concrete shall be paid for as Concrete Superstructure.
3. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
4. Approach footing concrete shall be paid for as Concrete Structures.
5. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
6. Cost of excavation for approach footing included with Concrete Structures.
7. For Granular Backfill for Structures and drainage treatment details, see sheet S-2.



SECTION A-A



BAR d10(E)

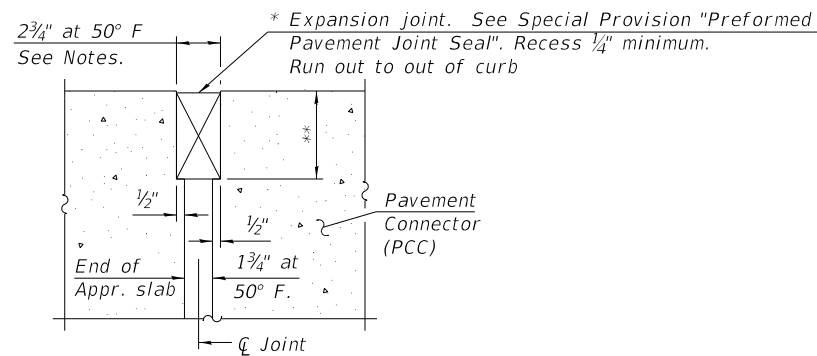


BAR d11(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	37'-8"	U
a11(E)	120	#8	36'-9"	U
a12(E)	92	#5	7'-4"	U
b10(E)	98	#5	29'-8"	—
b11(E)	156	#9	29'-8"	—
b12(E)	8	#5	14'-8"	—
b13(E)	8	#5	14'-8"	—
b14(E)	2	#4	14'-8"	—
b15(E)	2	#4	14'-8"	—
d10(E)	92	#5	6'-5"	U
d11(E)	92	#5	8'-6"	U
e10(E)	40	#4	14'-8"	—
t10(E)	66	#4	11'-2"	—
w10(E)	80	#5	36'-9"	—
Concrete Superstructure		Cu. Yd.	7.8	
Concrete Superstructure (Approach Slab)		Cu. Yd.	91.9	
Concrete Structures		Cu. Yd.	22.9	
Bridge Deck Grooving		Sq. Yd.	195	
Protective Coat		Sq. Yd.	236	
Reinforcement Bars, Epoxy Coated		Pound	40,530	

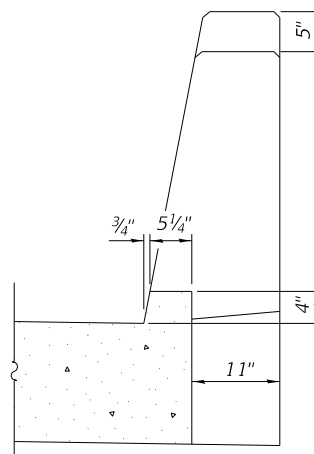
Bars indicated thus 1x2-#4 etc. indicates 1 line of bars with 2 lengths per line.



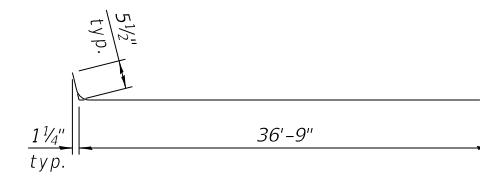
DETAIL A
(@ Rt. L's)

* Cost included with Concrete Superstructure (Approach Slab).

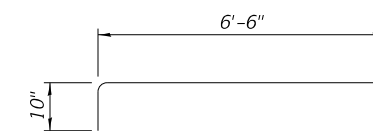
** Per manufacturer recommendations



VIEW B-B



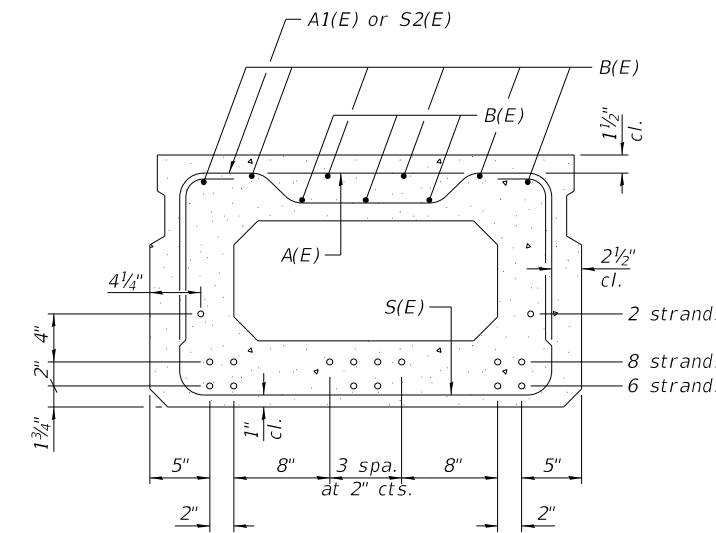
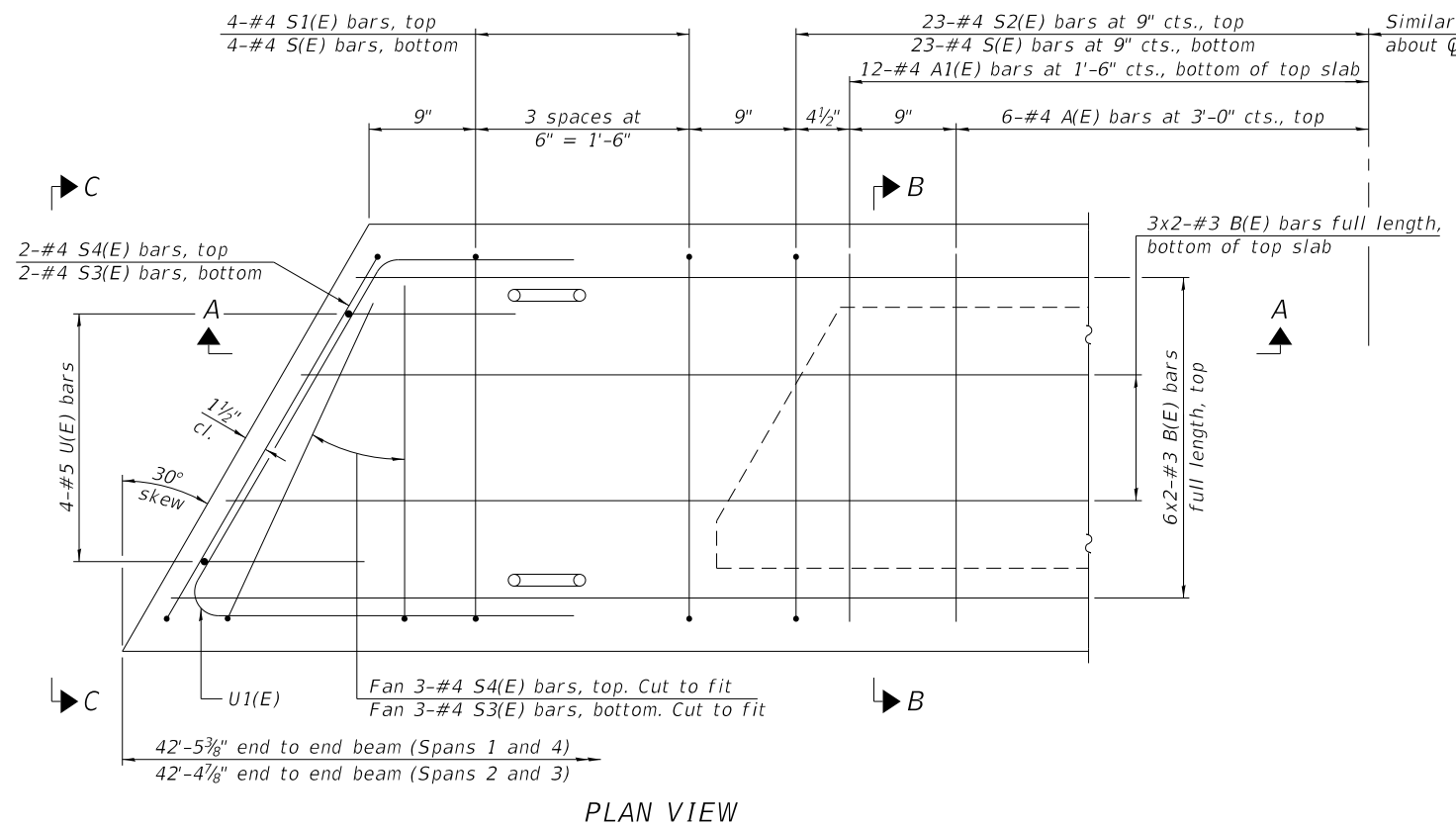
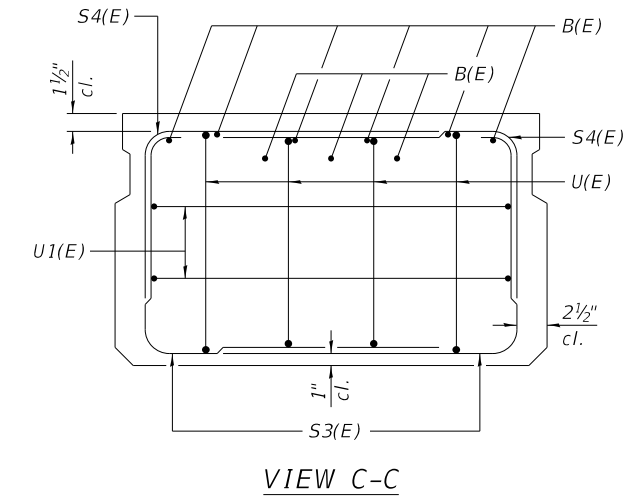
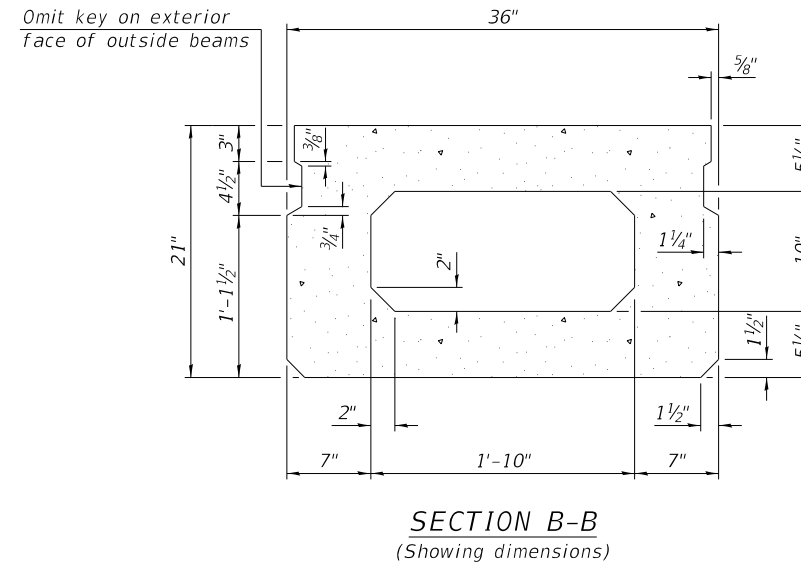
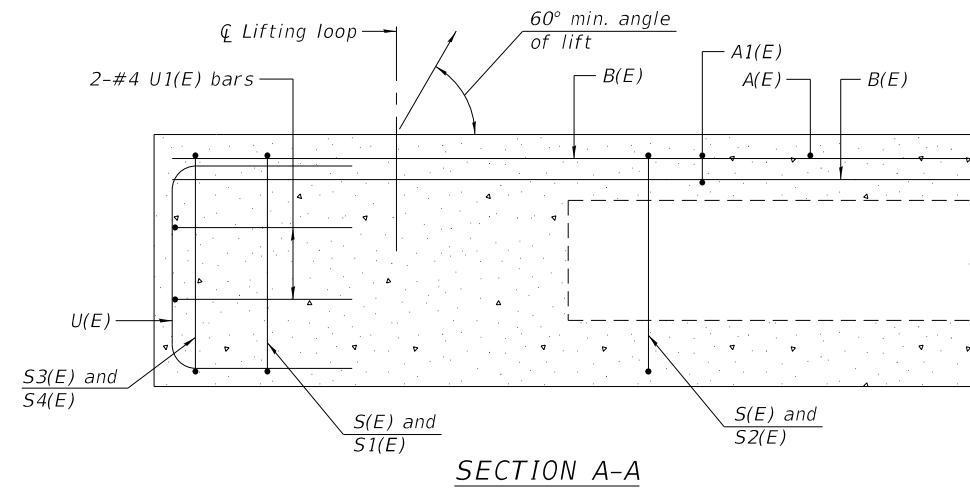
BAR a10(E)



BAR a12(E)

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	DRAWN - RA / SBA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - BWS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	41
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				



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

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

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	2'-7"	—
A1(E)	24	#4	2'-10"	—
B(E)	18	#3	21'-10"	—
D(E)	456	#4	4'-7"	┌
S(E)	54	#4	6'-5"	┌
S1(E)	8	#4	4'-11"	┌
S2(E)	46	#4	5'-2"	┌
S3(E)	10	#4	4'-1"	┌
S4(E)	10	#4	4'-10"	┌
U(E)	8	#5	4'-0"	┌
U1(E)	4	#4	6'-10"	┌

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

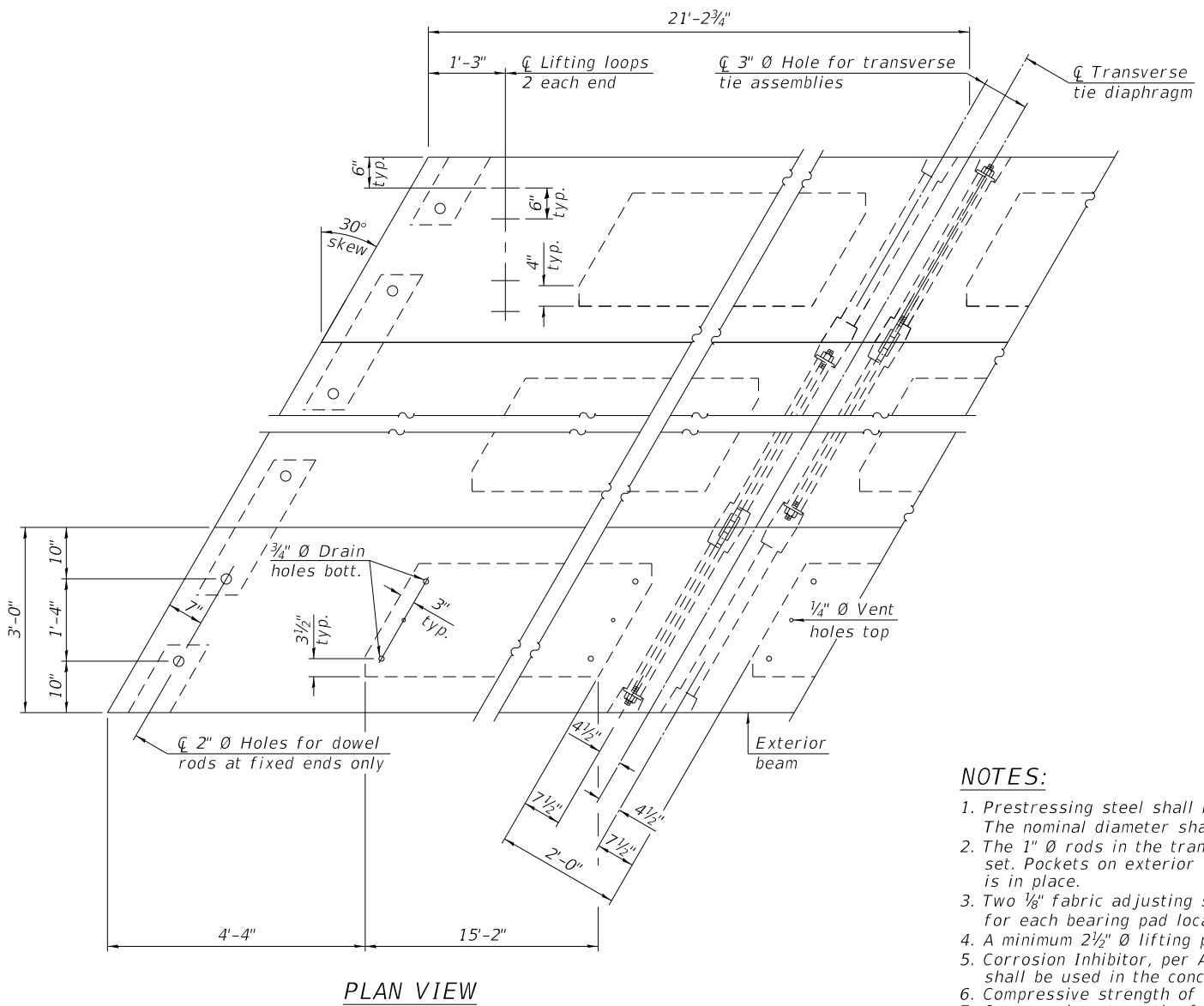
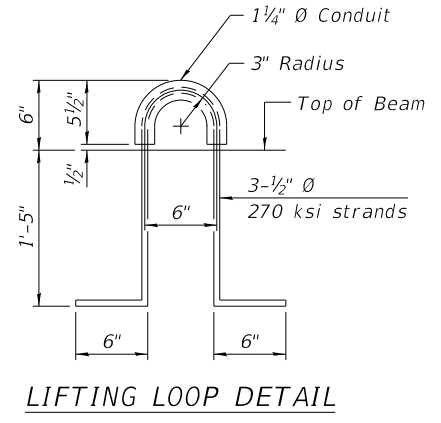
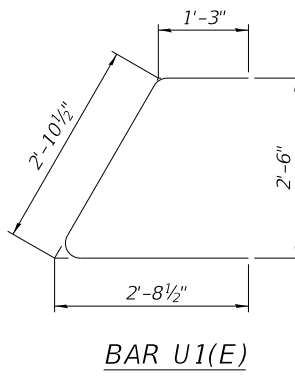
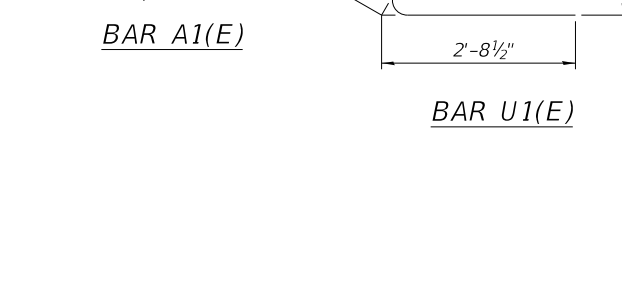
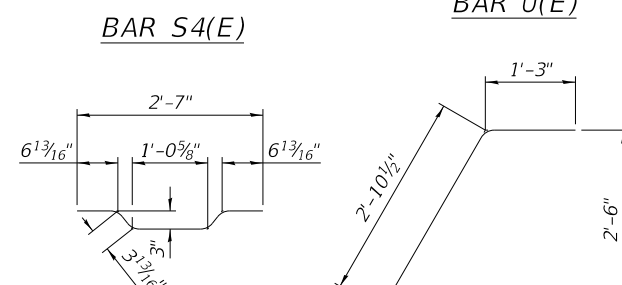
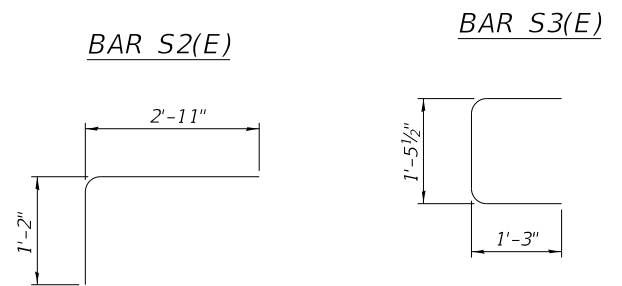
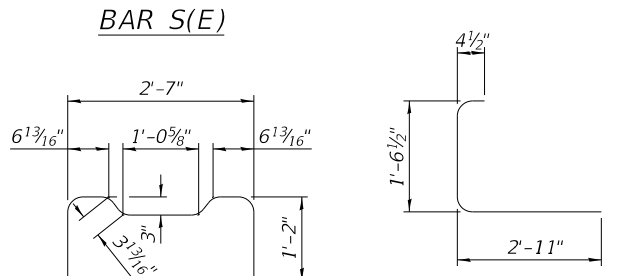
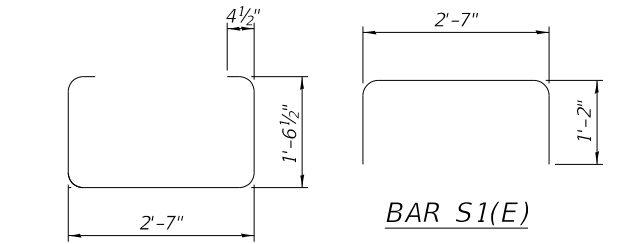
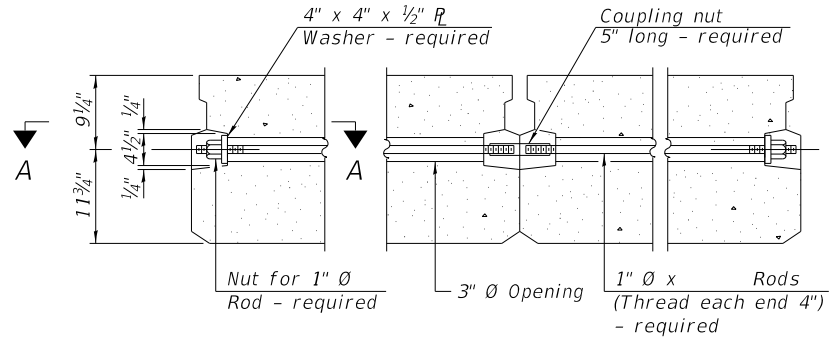
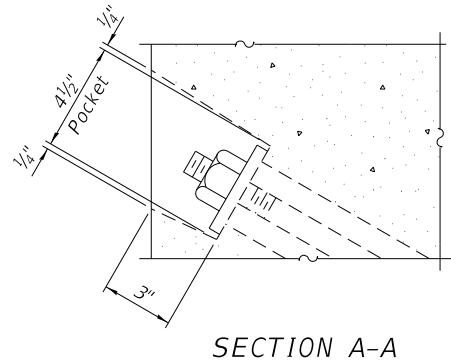
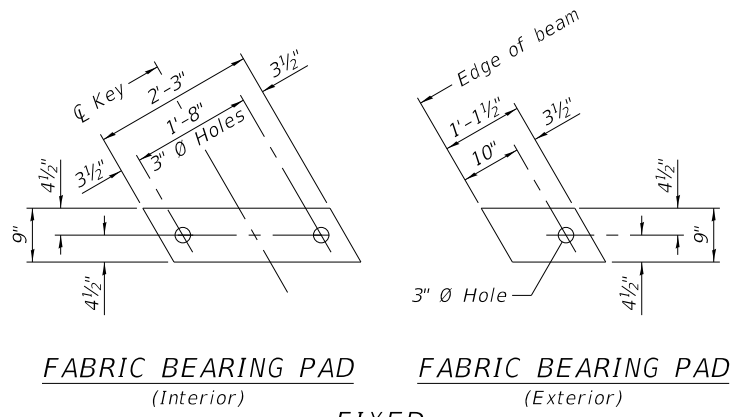
NOTES:

- Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
- See sheet S-10 for additional details and Bill of Material.
- See sheet S-6 for D(E) bar details.

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	DRAWN - RA / SBA	REVISED -
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	42
CONTRACT NO. 61H32				



- NOTES:**
1. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
 2. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads shall be used in the concrete for precast prestressed concrete deck beams.
 3. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
 4. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
 5. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
 6. Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
 7. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
 8. Connect beams in pairs with the transverse tie configuration shown.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1,020
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PDD-2136-L 1-1-2020



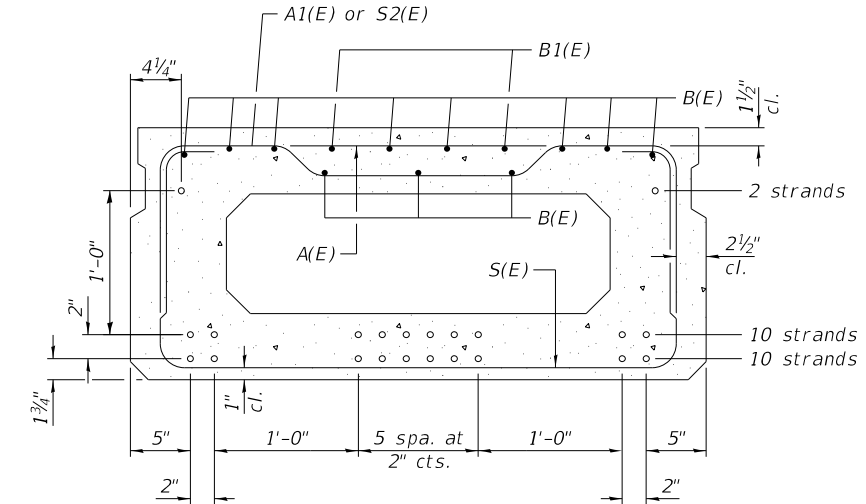
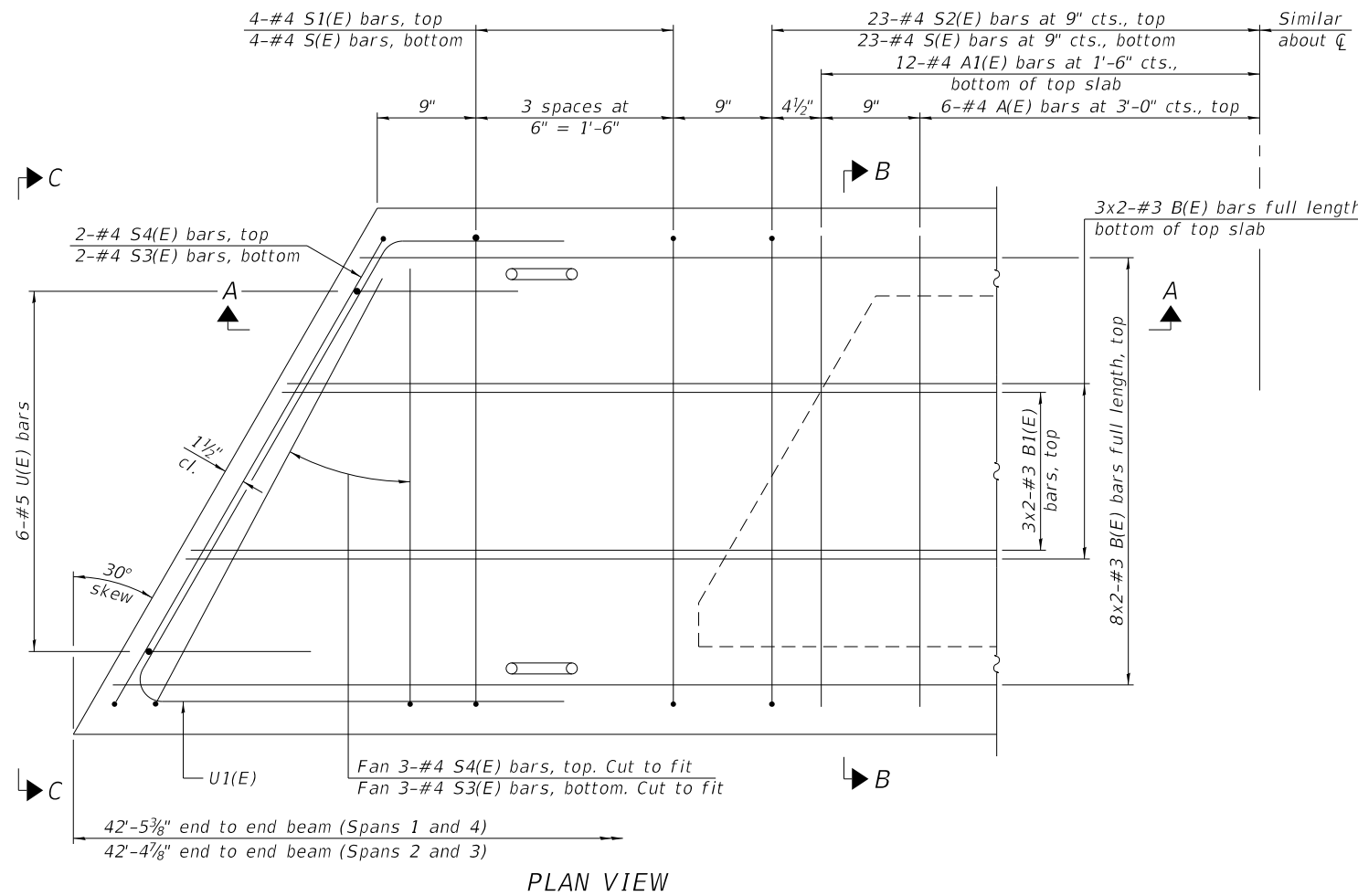
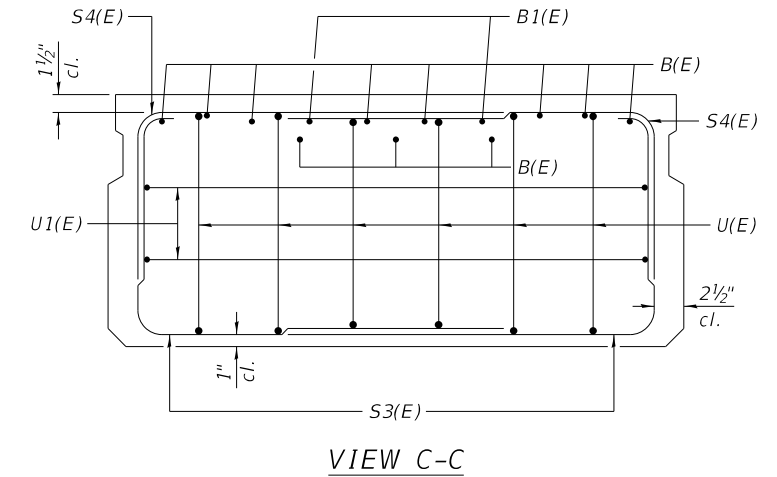
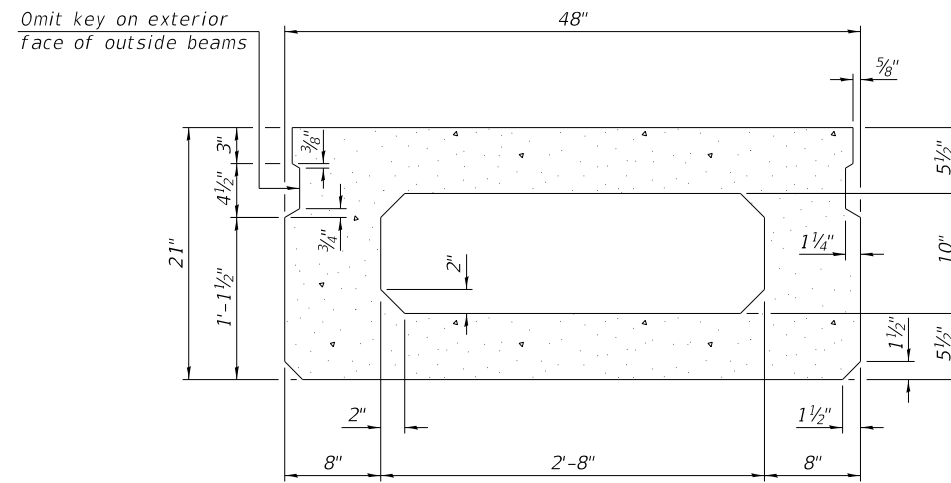
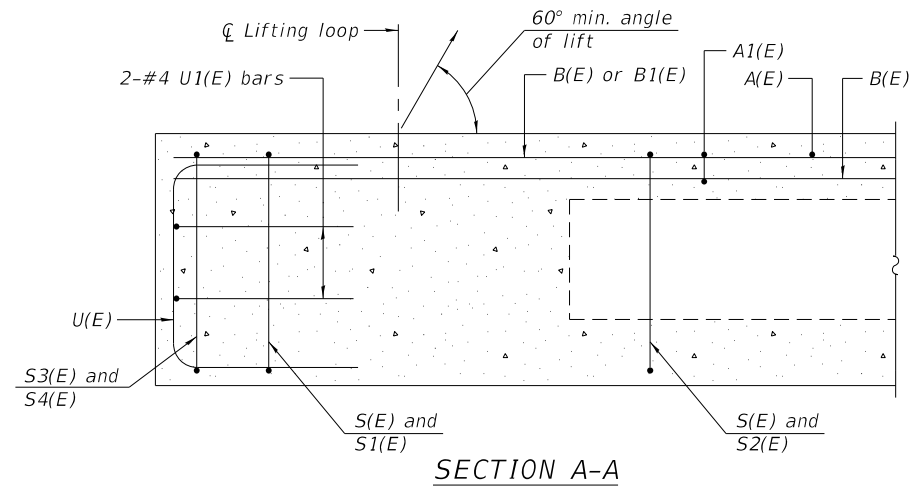
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PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**21" x 36" PPC DECK BEAMS DETAILS
STRUCTURE NO. 099-3155**

SHEET 5-10 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	43
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				



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

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

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

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	3'-7"	—
A1(E)	24	#4	3'-10"	—
B(E)	22	#3	21'-10"	—
B1(E)	4	#3	10'-0"	—
S(E)	54	#4	7'-5"	□
S1(E)	8	#4	5'-11"	□
S2(E)	46	#4	6'-2"	□
S3(E)	10	#4	6'-0"	□
S4(E)	10	#4	5'-3"	□
U(E)	12	#5	4'-0"	□
U1(E)	4	#4	8'-7"	□

NOTES:

- See sheet S-12 for additional details and Bill of Material.
- Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

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PD-2148-L

1-1-2020



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	DRAWN - RA / SBA	REVISED -
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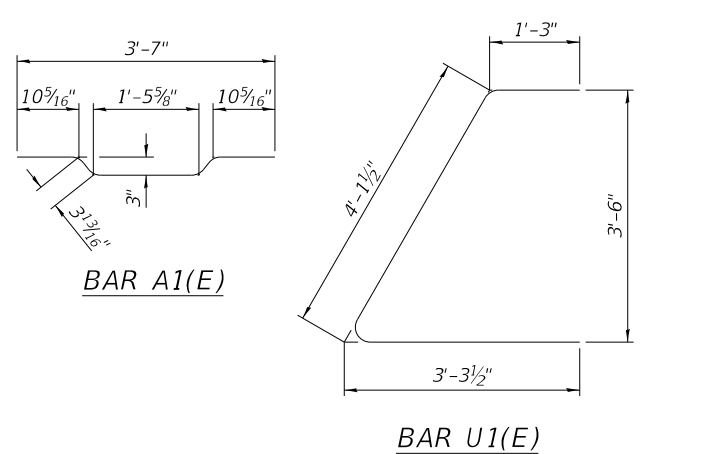
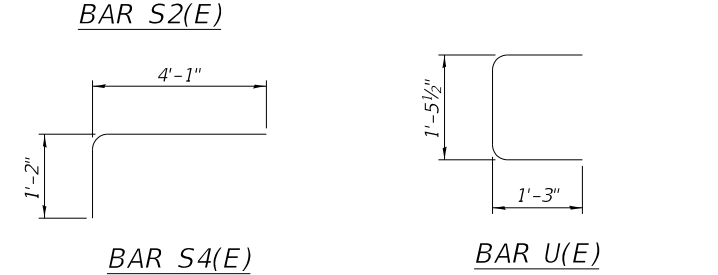
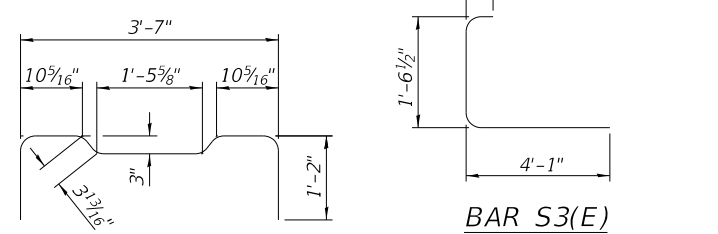
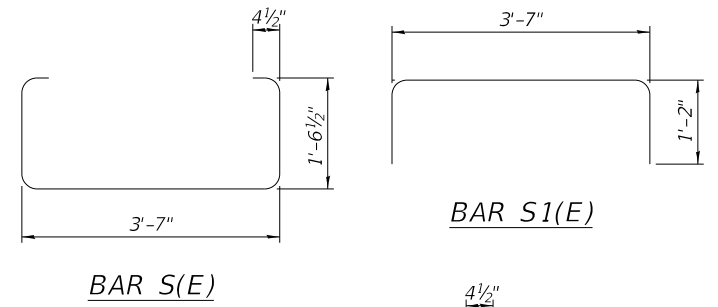
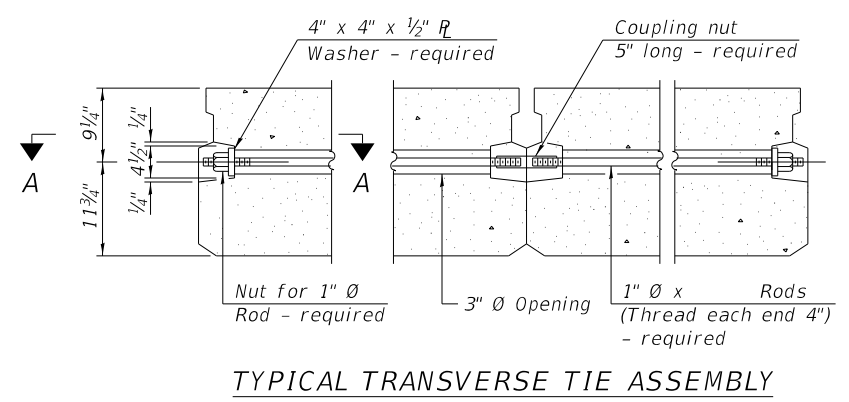
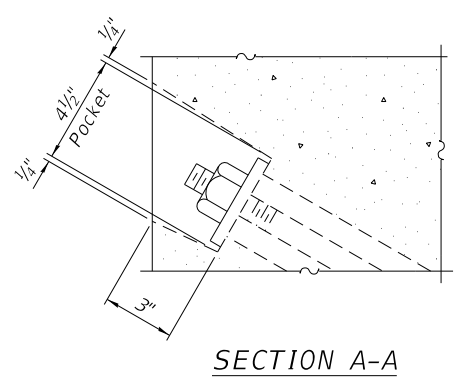
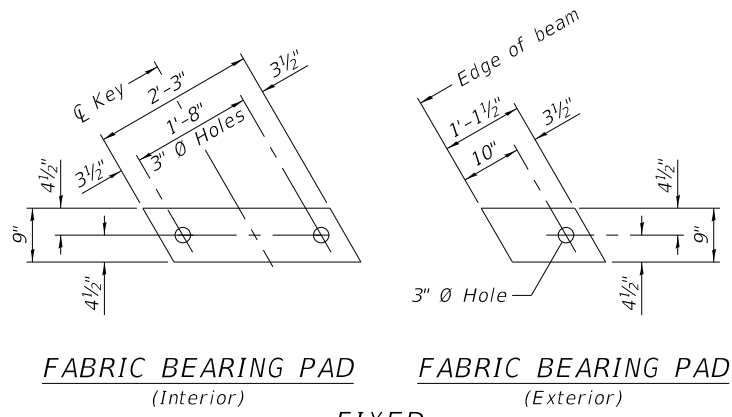
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

21" x 48" PPC DECK BEAMS
STRUCTURE NO. 099-3155

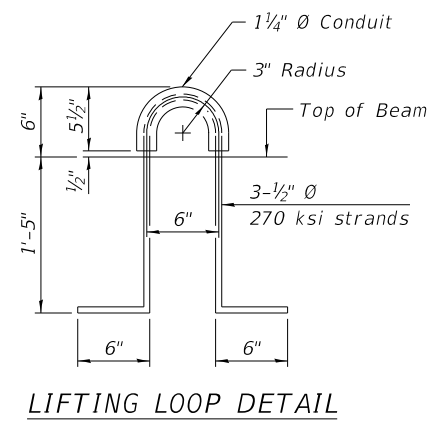
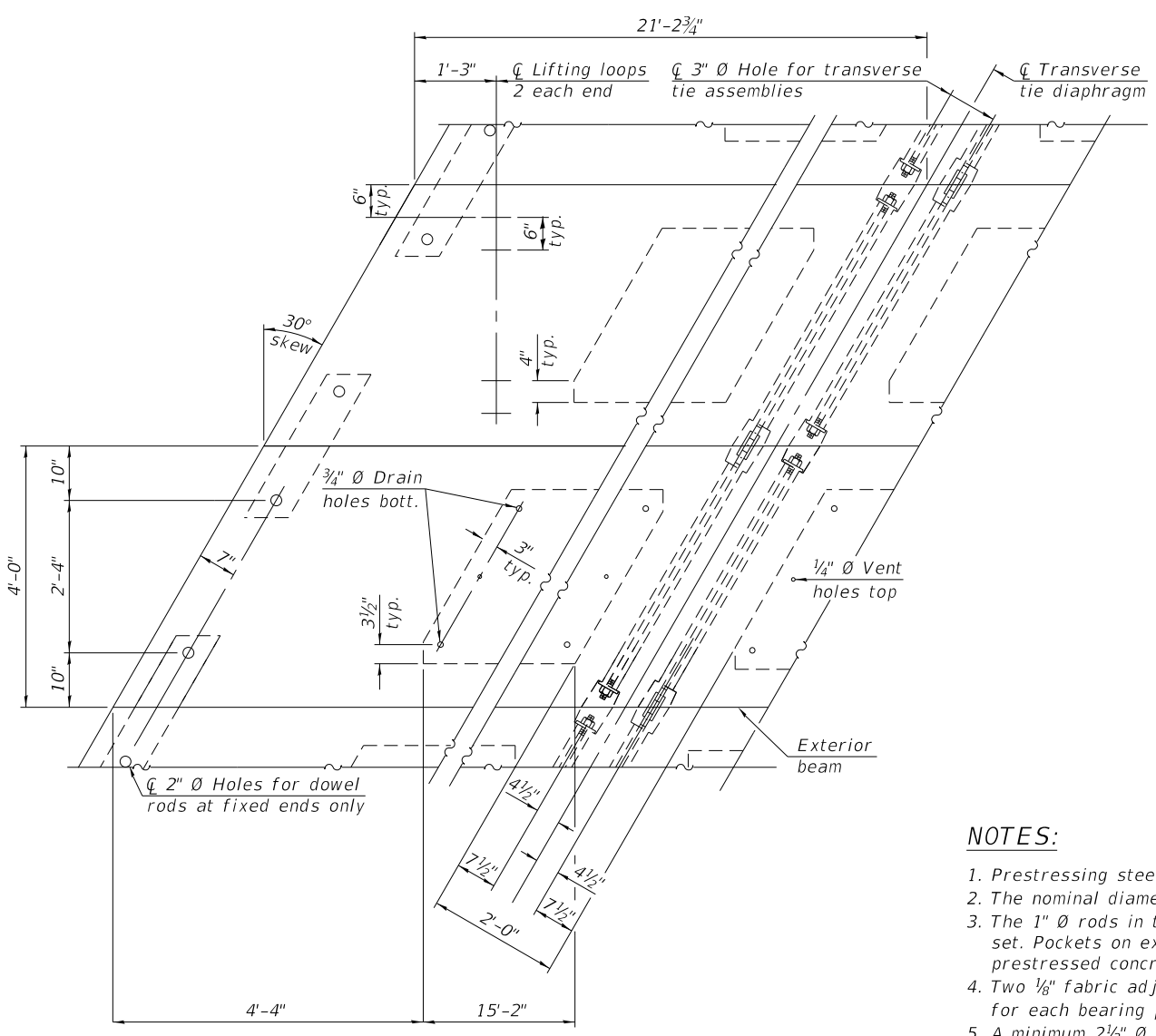
SHEET S-11 OF S-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	44
CONTRACT NO. 61H32				

ILLINOIS FED. AID PROJECT



Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pads shall be bonded to the substructure.



- NOTES:**
1. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
 2. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
 3. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout a8. Compressive strength of prestressed concrete at release, f'c, shall be 5000 psi after transverse tie assembly is in place.
 4. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
 5. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
 6. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
 7. Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
 8. Connect beams in pairs with the transverse tie configuration shown.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	4,760
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PDD-2148-L 1-1-2020



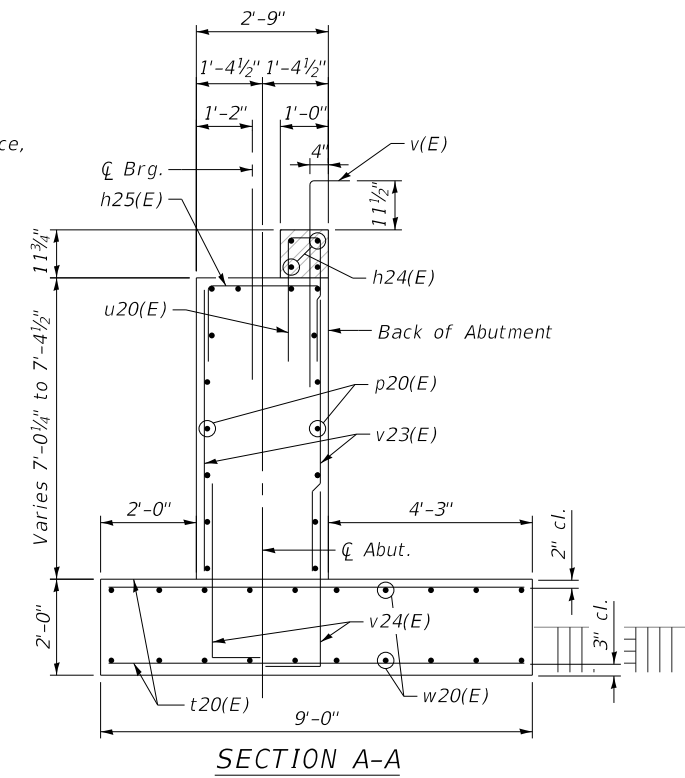
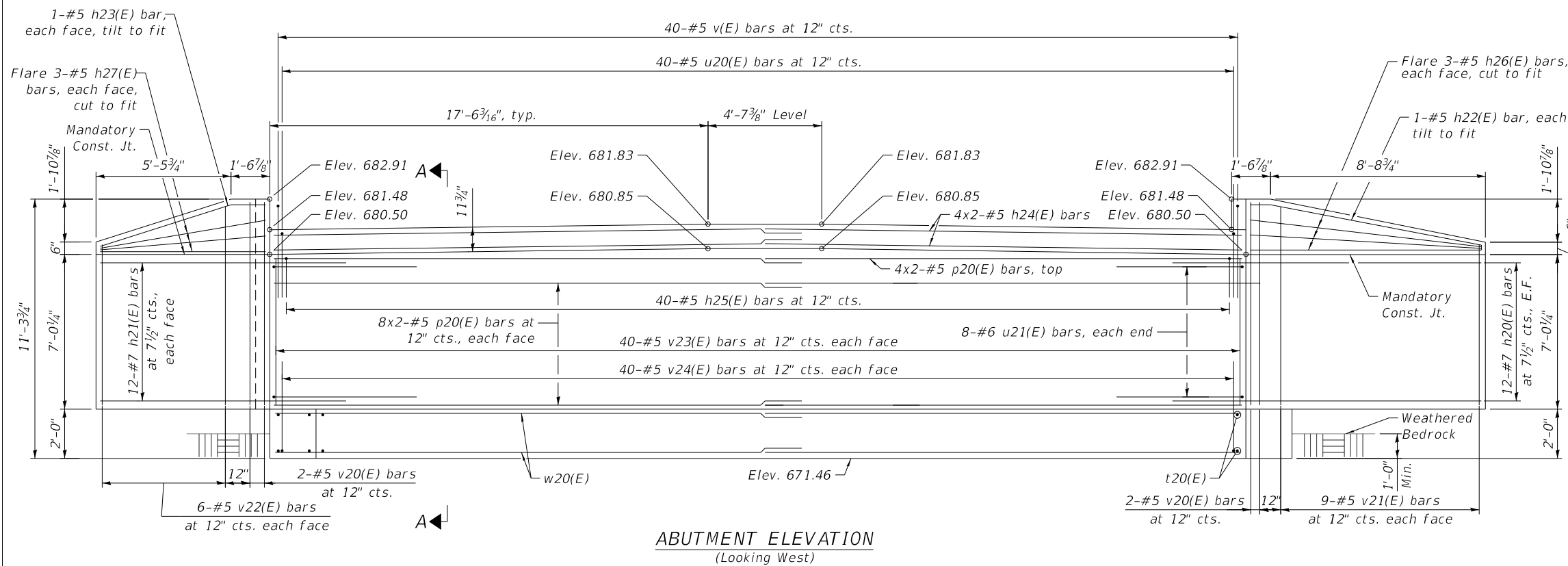
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	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**21" x 48" PPC DECK BEAMS DETAILS
 STRUCTURE NO. 099-3155**

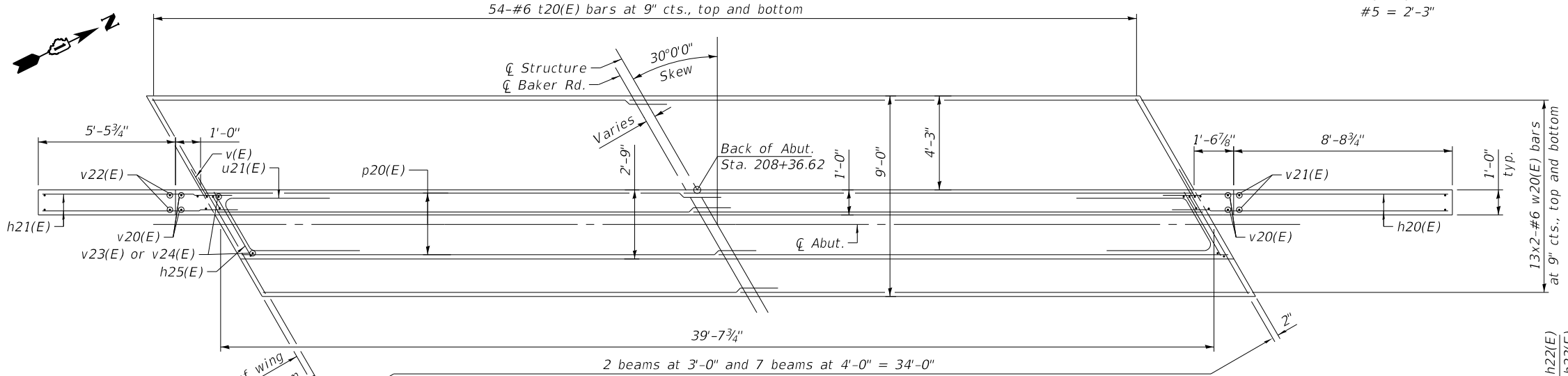
SHEET 5-12 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

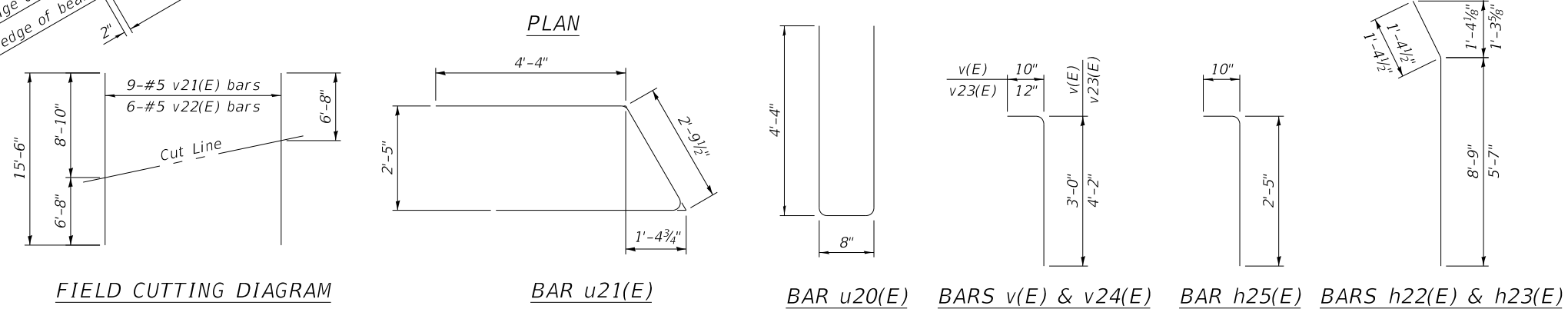


MINIMUM LAP LENGTH
 #6 = 3'-2"
 #5 = 2'-3"

(Dimensions are at Rt. L's)
 Maximum allowed bearing pressure
 Qmax = 8,000 psf



- NOTES:**
1. Cast backwall and tops of wingwalls after beams have been erected.
 2. See Sheet S-5 for bearing details.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h20(E)	24	#7	13'-6"	—
h21(E)	24	#7	10'-3"	—
h22(E)	2	#5	10'-2"	—
h23(E)	2	#5	7'-0"	—
h24(E)	8	#5	20'-10"	—
h25(E)	40	#5	3'-3"	—
h26(E)	6	#5	9'-11"	—
h27(E)	6	#5	6'-8"	—
p20(E)	40	#5	20'-10"	—
t20(E)	108	#6	10'-0"	—
u20(E)	40	#5	9'-4"	—
u21(E)	16	#6	11'-6"	—
v(E)	40	#5	3'-10"	—
v20(E)	8	#5	8'-11"	—
v21(E)	9	#5	15'-6"	—
v22(E)	6	#5	15'-6"	—
v23(E)	80	#5	6'-8"	—
v24(E)	80	#5	5'-2"	—
w20(E)	52	#6	21'-4"	—
Structure Excavation		Cu. Yd.	228	
Rock Excavation for Structures		Cu. Yd.	20	
Concrete Structures		Cu. Yd.	62.6	
Pipe Underdrains For Structures 4"		Foot	57	
Granular Backfill For Structures		Cu. Yd.	117	
Geocomposite Wall Drain		Sq. Yd.	55	
Reinforcement Bars, Epoxy Coated		Pound	7,910	

Bars indicated thus 20x2-#4 etc. indicated 20 lines of bars with 2 lengths per line.

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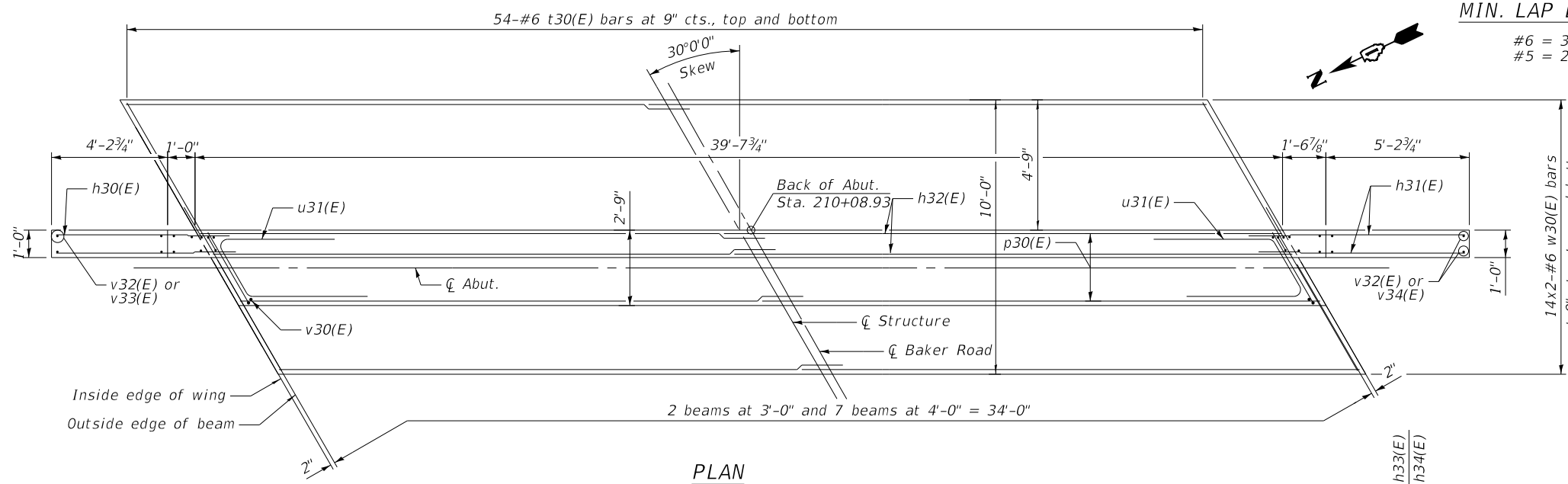
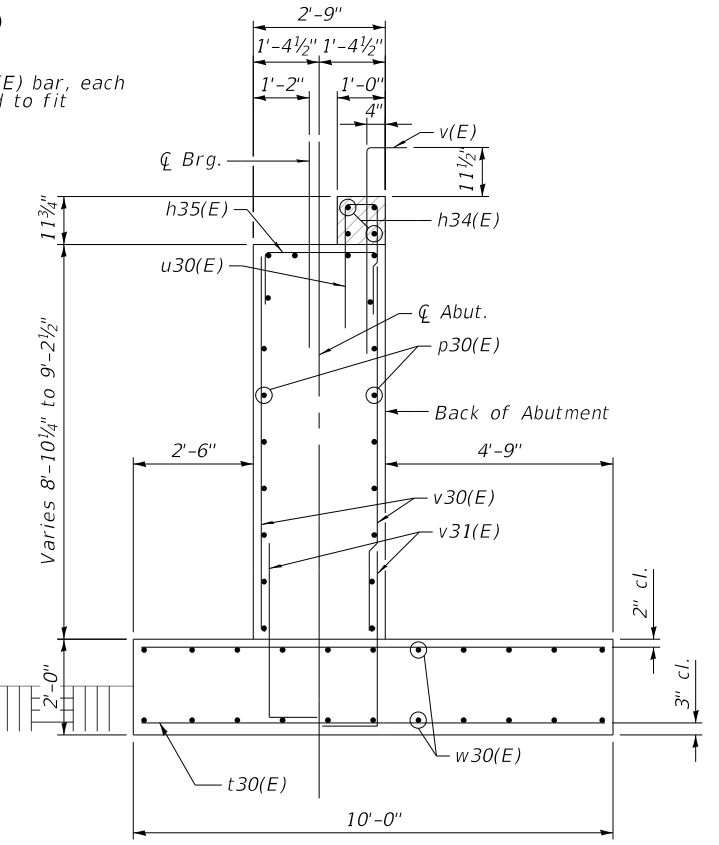
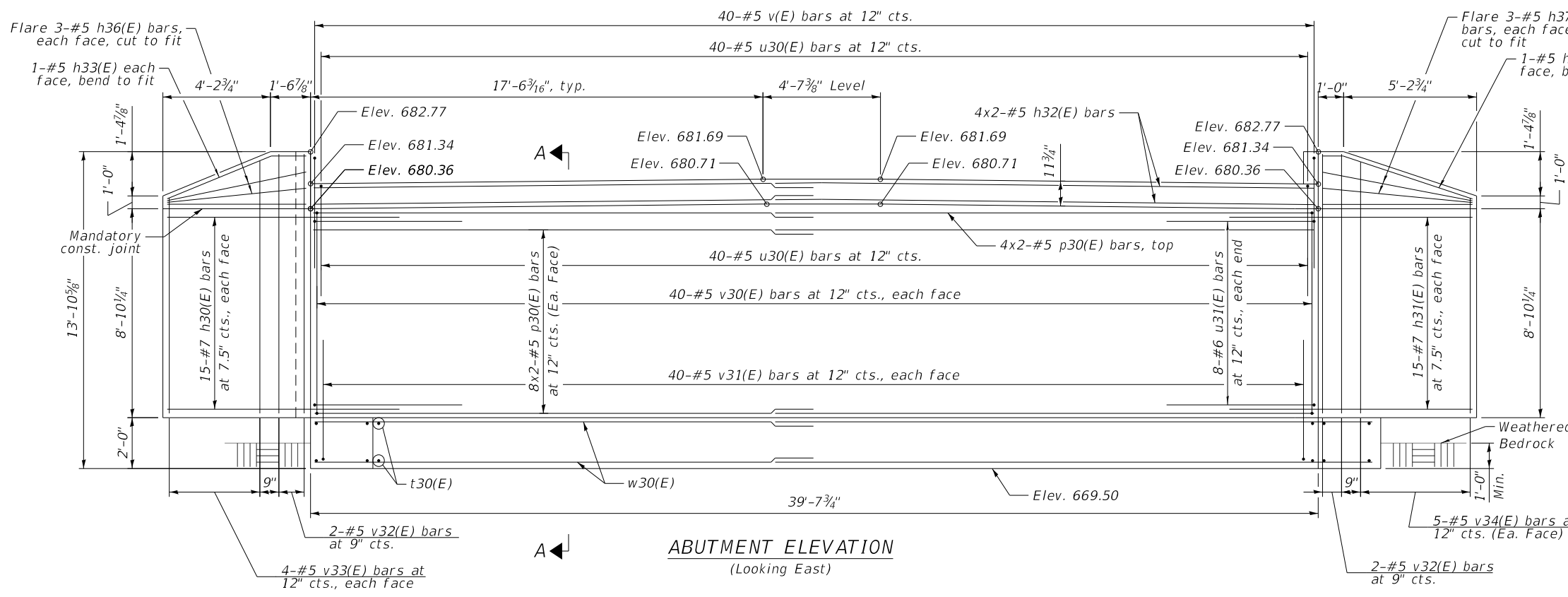
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	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT DETAILS
 STRUCTURE NO. 099-3155**

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	46
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

SHEET 5-13 OF 5-19 SHEETS



MIN. LAP LENGTH
 #6 = 3'-2"
 #5 = 2'-3"

SECTION A-A
 (Dimensions are at Rt. L's)
 Maximum allowed bearing pressure
 Qmax = 8,000 psf

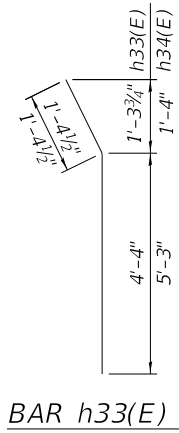
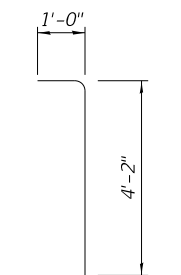
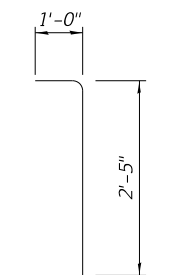
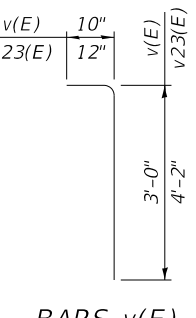
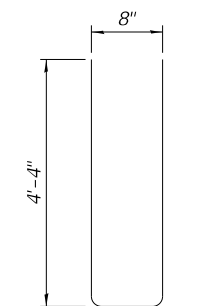
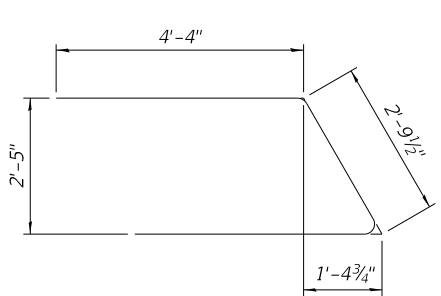
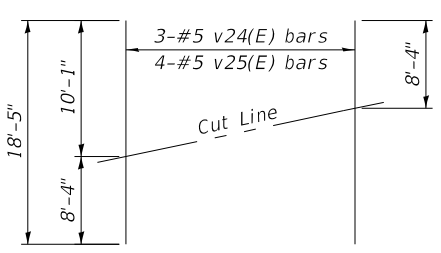
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h30(E)	30	#7	9'-0"	—
h31(E)	30	#7	10'-0"	—
h32(E)	8	#5	20'-10"	—
h33(E)	2	#5	5'-9"	—
h34(E)	2	#5	6'-8"	—
h35(E)	40	#5	3'-5"	—
h36(E)	6	#5	6'-3"	—
h37(E)	6	#5	7'-3"	—
p30(E)	40	#5	20'-10"	—
t30(E)	108	#5	11'-2"	—
u30(E)	40	#5	9'-4"	—
u31(E)	16	#6	11'-6"	—
v(E)	40	#5	3'-10"	—
v30(E)	80	#5	8'-6"	—
v31(E)	80	#5	15'-6"	—
v32(E)	8	#5	11'-7"	—
v33(E)	4	#5	18'-5"	—
v34(E)	5	#5	18'-5"	—
w30(E)	56	#5	21'-3"	—

Structure Excavation	Cu. Yd.	266
Rock Excavation for Structures	Cu. Yd.	20
Concrete Structures	Cu. Yd.	72.3
Pipe Underdrains For Structures 4"	Foot	53
Granular Backfill For Structures	Cu. Yd.	118
Geocomposite Wall Drain	Sq. Yd.	55
Reinforcement Bars, Epoxy Coated	Pound	8,060

Bars indicated thus 20x2-#4 etc. indicated 20 lines of bars with 2 lengths per line.

NOTES:
 1. Cast backwall and tops of wingwalls after beams have been erected.
 2. See Sheet S-5 for bearing details.



FIELD CUTTING DIAGRAM
 Order v24(E) and v25(E) bars full length. Cut as shown and use remainder of bars in other face of wing.
BAR u31(E)

BAR u30(E)
BARS v(E) & v24(E)
BAR h35(E)
BAR v24(E)
BAR h33(E) & h34(E)

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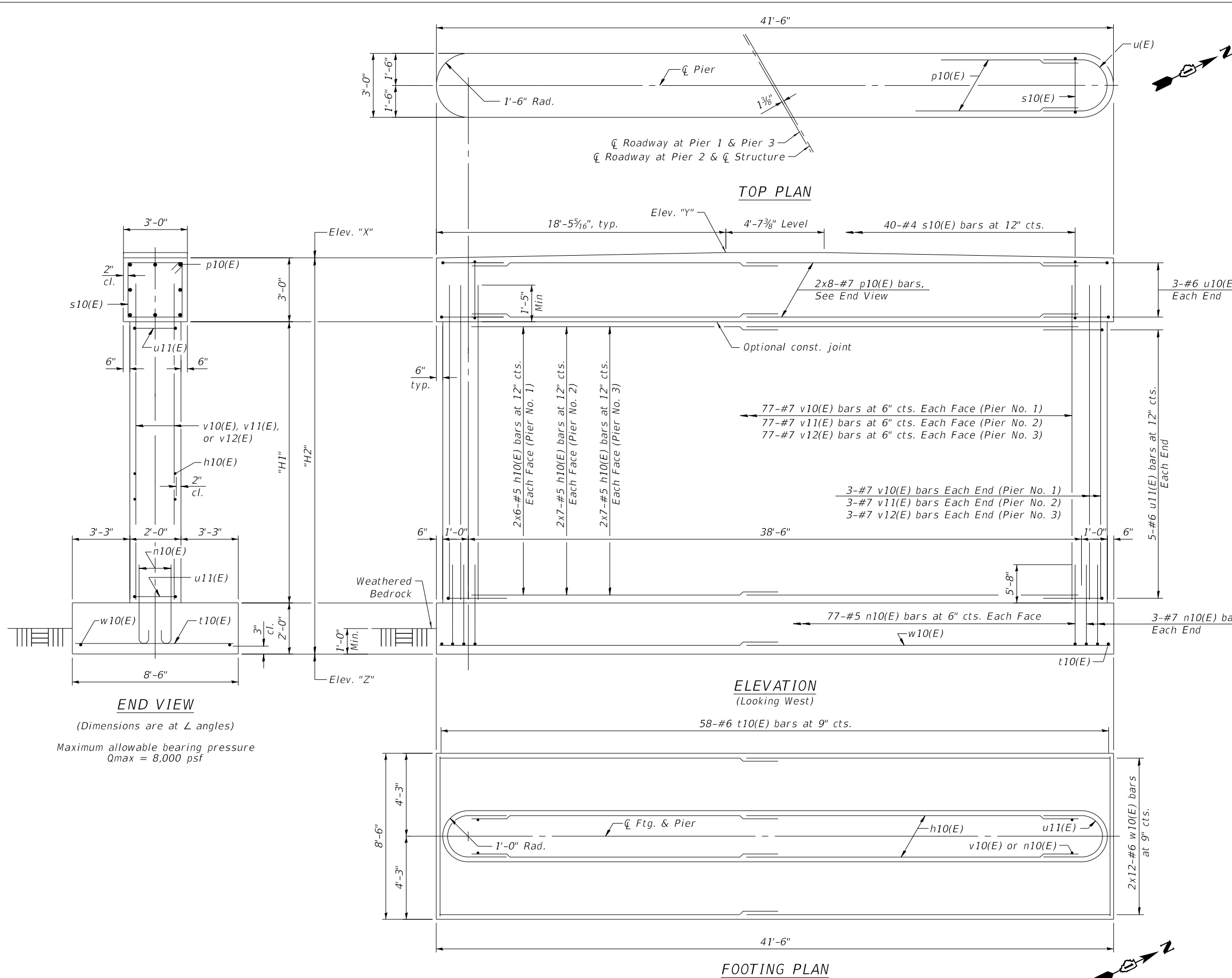


USER NAME	DESIGNED	REVISION
= Roadway	- RA	-
	- RA / SBA	-
	- BWS	-
	-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS
STRUCTURE NO. 099-3155

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	47
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				



MINIMUM LAP LENGTH

- #7 = 5'-6"
- #6 = 3'-10"
- #5 = 3'-2"

PIER DIMENSIONS TABLE

	Pier No. 1	Pier No. 2	Pier No. 3
Elev. "X"	680.66	680.73	680.59
Elev. "Y"	681.04	681.11	680.97
Elev. "Z"	670.33	669.50	669.50
"H1"	5'-4"	6'-2 ³ / ₄ "	6'-1 ¹ / ₈ "
"H2"	10'-4"	11'-2 ³ / ₄ "	11'-1 ¹ / ₈ "

END VIEW
(Dimensions are at L angles)
Maximum allowable bearing pressure
Q_{max} = 8,000 psf

ELEVATION
(Looking West)

- NOTES:**
- See Sheet S-16 for Bill of Materials and Bar Details.
 - Bars indicated thus 20x2-#4 etc. indicated 20 lines of bars with 2 lengths per line.
 - See Sheet S-5 for bearing details.

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	DRAWN - RA / SBA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - BWS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS I
STRUCTURE NO. 099-3155

SHEET 5-15 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	48
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

**PIER NO. 1
BILL OF MATERIAL**

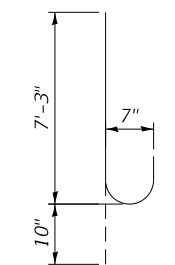
Bar	No.	Size	Length	Shape
h10(E)	24	#5	21'-0"	—
n10(E)	160	#7	7'-10"	⌋
p10(E)	16	#6	23'-4"	—
s10(E)	40	#4	10'-5"	⌈
t10(E)	58	#6	8'-2"	—
u10(E)	6	#6	9'-3"	⌋
u11(E)	10	#6	7'-8"	⌋
v10(E)	160	#5	7'-0"	—
w10(E)	24	#6	22'-6"	—
Structure Excavation	Cu. Yd.	127		
Rock Excavation for Structures	Cu. Yd.	20		
Concrete Structures	Cu. Yd.	56.6		
Reinforcement Bars, Epoxy Coated	Pound	6,820		

**PIER NO. 2
BILL OF MATERIAL**

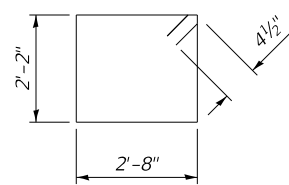
Bar	No.	Size	Length	Shape
h10(E)	28	#5	21'-0"	—
n10(E)	160	#5	7'-10"	⌋
p10(E)	16	#6	23'-4"	—
s10(E)	40	#4	10'-5"	⌈
t10(E)	58	#6	8'-2"	—
u10(E)	6	#6	9'-3"	⌋
u11(E)	10	#6	7'-8"	⌋
v11(E)	160	#5	8'-0"	—
w10(E)	24	#6	22'-6"	—
Structure Excavation	Cu. Yd.	127		
Rock Excavation for Structures	Cu. Yd.	20		
Concrete Structures	Cu. Yd.	59.3		
Reinforcement Bars, Epoxy Coated	Pound	5,820		

**PIER NO. 3
BILL OF MATERIAL**

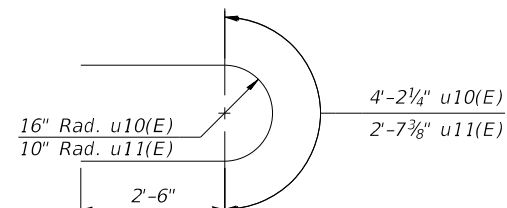
Bar	No.	Size	Length	Shape
h10(E)	28	#5	21'-0"	—
n10(E)	160	#5	7'-10"	⌋
p10(E)	16	#6	23'-4"	—
s10(E)	40	#4	10'-5"	⌈
t10(E)	58	#6	8'-2"	—
u10(E)	6	#6	9'-3"	⌋
u11(E)	10	#6	7'-8"	⌋
v12(E)	160	#5	7'-9"	—
w10(E)	24	#6	22'-6"	—
Structure Excavation	Cu. Yd.	127		
Rock Excavation for Structures	Cu. Yd.	20		
Concrete Structures	Cu. Yd.	58.7		
Reinforcement Bars, Epoxy Coated	Pound	5,780		



BAR n10(E)



BAR s10(E)



BARS u10(E) & u11(E)

NOTE:

1. See Sheet S-15 for Pier Details.

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	DRAWN - RA / SBA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - BWS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER DETAILS II
STRUCTURE NO. 099-3155**

SHEET 5-16 OF 5-19 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	49
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 22519 **BORING LOG 1**
 Client Ciorba Group Sheet 1 of 1
 Comments Baker Road Project Baker Rd. over Jackson Creek Date 2/3/16
 Station 208+25 Location Will County, IL Drilled By AC
 8' N. of CL Equipment CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
	(SEE CORE LOG)											
674.5'	Dark brown-gray-brown clay & silt trace sand & gravel, damp, medium dense - Fill	1				6			22.0			
673.0'	Black silt, some clay, trace sand & roots, damp-very damp, loose (topsoil)	2	SS	6"	4	8			23.0			
672.5'	(a) see below	3				5		1.5	22.3			
	Weathered bedrock, very dense	5	SS	15"	50+	75+			8.3			
670.0'	Refusal	5	SS	2"	50+				11.8			
	End of Boring											
	(a) Brown clay, some silt, trace sand, damp, tough											
		10										
		15										
		20										

Water Level — depth, ft. elev., ft.
 - while drilling: 4.0
 - after drilling: 4.0
 - hrs. after drilling: _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %.
 N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
 Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu. ft.
 Qu - unconfined compressive strength, tons/ sq. ft.

F-111b

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 22519 **BORING LOG 2**
 Client Ciorba Group Sheet 1 of 1
 Comments Baker Road Project Baker Rd. over Jackson Creek Date 2/3/16
 Station 209+20 Location Will County, IL Drilled By AC
 12' S. of CL Equipment CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
676.5'	(a) see below	1							32.2			
	Brown-dark brown silt, some clay, trace sand, very damp, loose - Fill	2	SS	15"	2	5			24.7			
674.0'												
	Black silt, some clay, trace sand very damp, very loose (topsoil)	5	SS	18"	2	4			30.0			
671.5'												
670.5'	Dark brown silt, some clay, trace sand & gravel, very damp, loose	4				2			27.0			
	Weathered bedrock, very dense	5	SS	16"	55	58			15.1			
668.5'	Refusal					50+						
	End of Boring	10										
	(a) Dark brown-black sand & silt, trace gravel & roots, very damp - Fill											
		15										
		20										

Water Level — depth, ft. elev., ft.
 - while drilling: 7.0
 - after drilling: 7.0
 - hrs. after drilling: _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %.
 N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
 Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu. ft.
 Qu - unconfined compressive strength, tons/ sq. ft.

F-111b

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 22519 **BORING LOG 3**
 Client Ciorba Group Sheet 1 of 1
 Comments Baker Road Project Baker Rd. over Jackson Creek Date 2/3/16
 Station 210+25 Location Will County, IL Drilled By AC
 12.5' S. of CL Equipment CME 45B H.A. Other Logged By DA

Elev., ft.	Description	Depth, ft.	0	S	T	R	B	N	Pen.	W	Uw	Qu
677.3'	Limestone, damp - 9.0'											
	Dark brown silt, some sand, trace clay & gravel, very damp, very loose	1	SS	14"	1	3			24.0			
674.5'												
	Brown clay, some silt, trace sand, very damp, stiff	5	SS	18"	3	6		0.75	25.8	95.1	0.8	
670.5'												
	Weathered bedrock, very dense	3	SS		2	5		0.75	26.3	97.6	0.9	
667.0'	Refusal					35						
	End of Boring	10	SS	10"	50+	50+			10.7			
		15										
		20										

Water Level — depth, ft. elev., ft.
 - while drilling: 7.5
 - after drilling: 7.5
 - hrs. after drilling: _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %.
 N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
 Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu. ft.
 Qu - unconfined compressive strength, tons/ sq. ft.

F-111b

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	DRAWN - RA / SBA	REVISED -
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PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS I
 STRUCTURE NO. 099-3155**

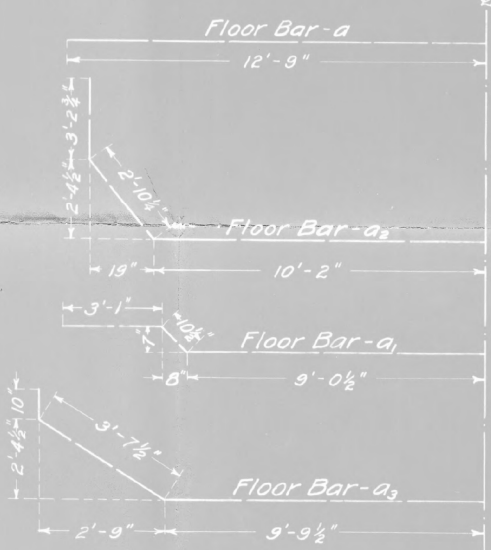
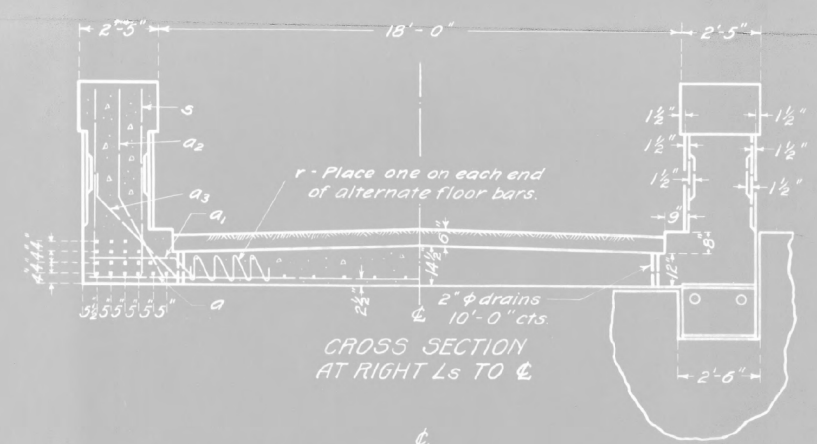
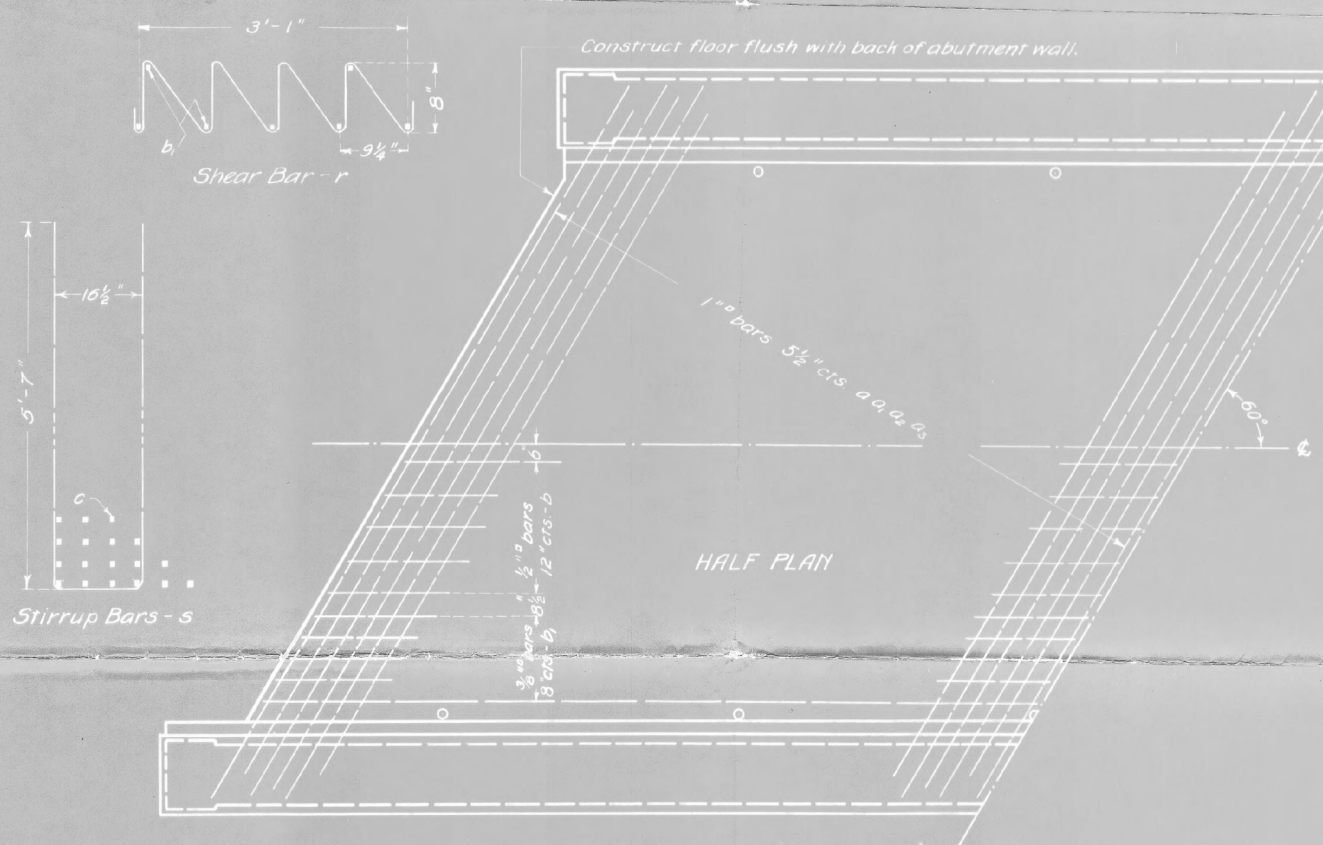
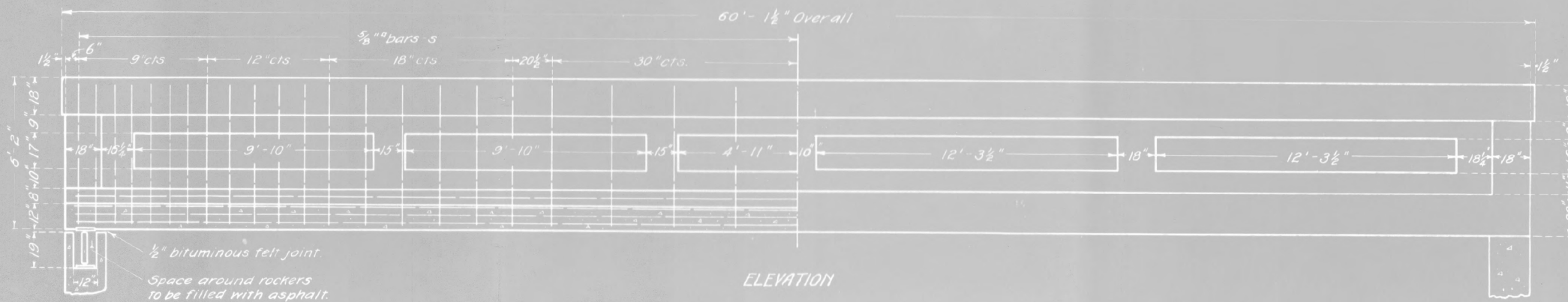
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181	14-12112-01-BR	WILL	76	50
CONTRACT NO. 61H32				

SHEET 5-17 OF 5-19 SHEETS

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Sheet No. 1
2 Sheets



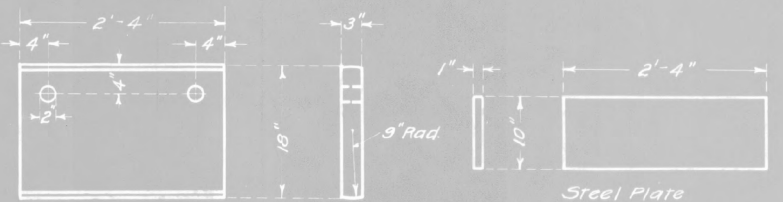
BILL OF MATERIAL

Bars	No.	Size	Length
a	28	1"	25'-6"
a ₁	28	1"	26'-0"
a ₂	28	1"	32'-6"
a ₃	28	1"	28'-6"
b	20	1/2"	29'-6"
b ₁	28	3/8"	29'-6"
c	36	1 1/4"	59'-6"
r	112	3/8"	8'-6"
s	90	5/8"	12'-6"
Steel - Lbs.			24,930
Concrete Cu. Yds.			100B
Weight of 2 Rockers - Lbs.			788
Weight of 4 Plates - Lbs.			318

Class A concrete used throughout
Proportions 1:2 1/2:4

STANDARD	COMPUTED - <i>H.W. Bush</i>
	CHECKED - <i>G. T. Con</i>
	DRAWN - <i>H.W. B.</i>
	CHECKED - <i>G. T. Con</i>
SPECIAL	ASSEMBLED - <i>G. T. Con</i>
	CHECKED - <i>G. T. Con</i>

EXAMINED *May 22, 1922*
A. Z. Burch
BRIDGE ENGINEER
PASSED *Abraham*
ENGINEER OF DESIGN
APPROVED *C. Olav*
CHIEF HIGHWAY ENGINEER



FOR INFORMATION ONLY

PLANS FOR
WATKINS BRIDGE
IN
MANHATTAN TOWNSHIP
WILL COUNTY
ILLINOIS.

PLAN NO.
39.12.5-15
MAY 17,
1922.

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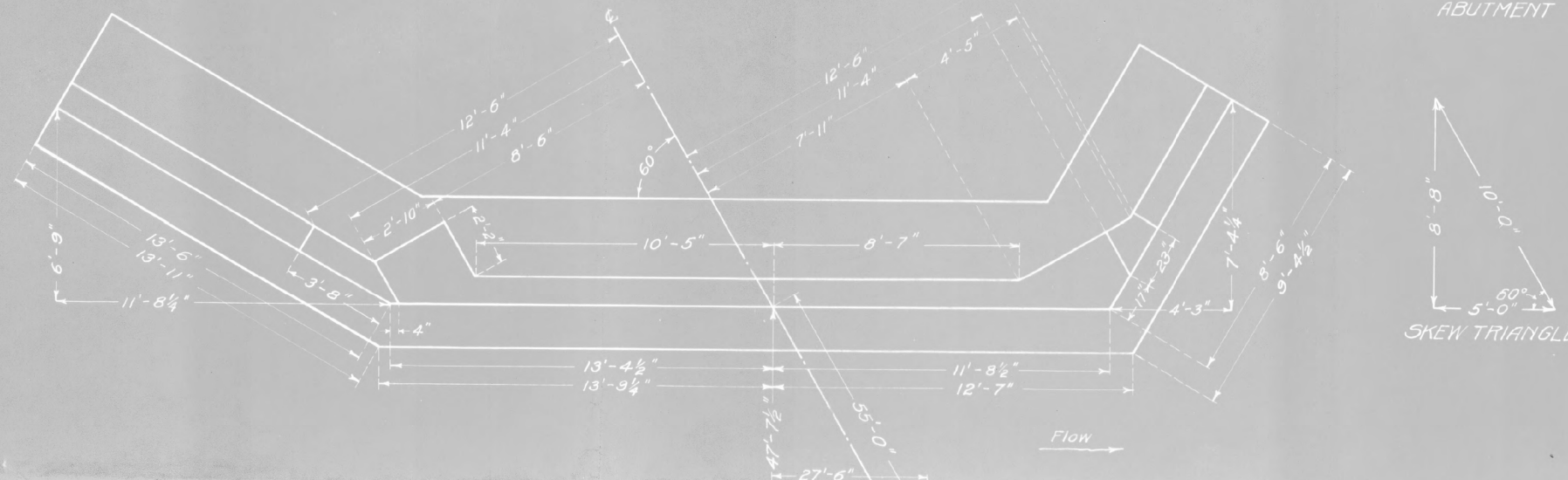
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181	14-12112-01-BR	WILL	76	51
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

B.M. Boulder 24' N of W. end of old bridge. Elev. 99.32

Tar paper joint-fixed end
1/2" bituminous felt joint-expansion end

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Sheet No. 2
2 Sheets



BILL OF MATERIAL

Bars	No.	Size	Length
V	62	1/2"	9'-6"
V ₁	16	1/2"	10'-6"
V ₂	12	1/2"	9'-6"
V ₃	18	1/2"	8'-0"
h	20	1/2"	25'-0"
h ₁	20	1/2"	9'-0"
h ₂	20	1/2"	14'-6"
n	108	3/8"	4'-6"
t	62	3/8"	5'-0"
t ₁	56	1/2"	5'-0"
z	95	1/2"	5'-0"
w	8	1/2"	26'-0"
w ₁	8	1/2"	9'-0"
w ₂	8	1/2"	13'-6"
q	4	1/2"	6'-0"
Steel - Lbs.		3740	
Concrete - Cu. Yds.		65.2	

Class A concrete to be used thruout
Proportions 1 2 1/2 : 4

COMPUTED	H.W. Bush
CHECKED	A.T. Bon
DRAWN	H.W. Bush
CHECKED	A.T. Bon
ASSEMBLED	
CHECKED	

EXAMINED May 22, 1932

H.W. Bush
BRIDGE ENGINEER

APPROVED
E. Olden
CHIEF HIGHWAY ENGINEER

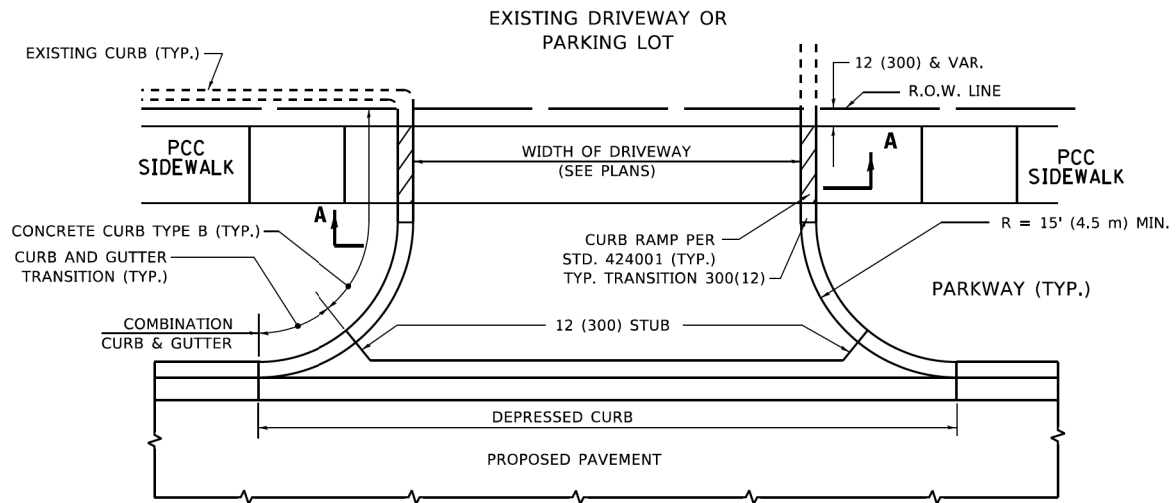
FOR INFORMATION ONLY

PLAN NO.
99.12.5-15
MAY-17,
1932

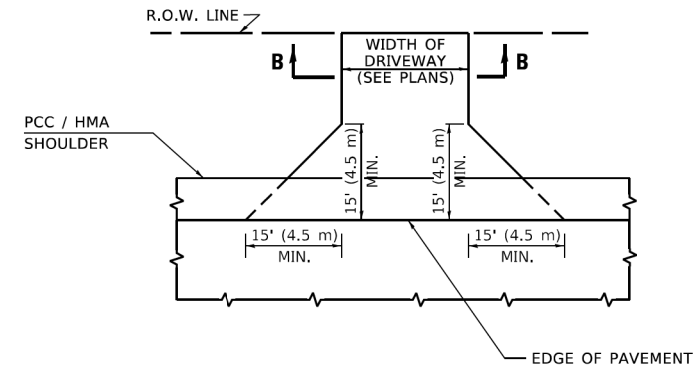
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	DRAWN - RA / SBA	REVISED -
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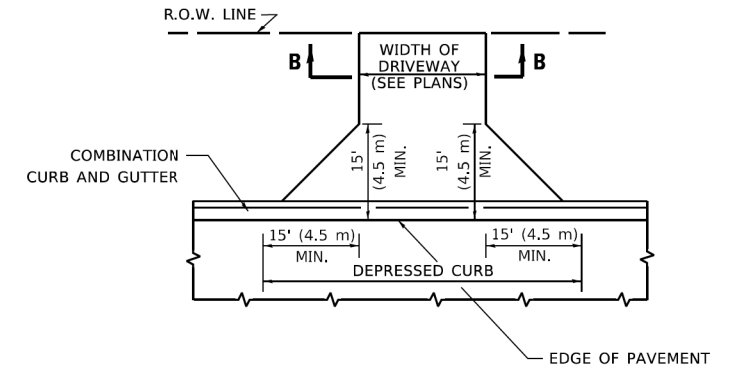
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181	14-12112-01-BR	WILL	76	52
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		



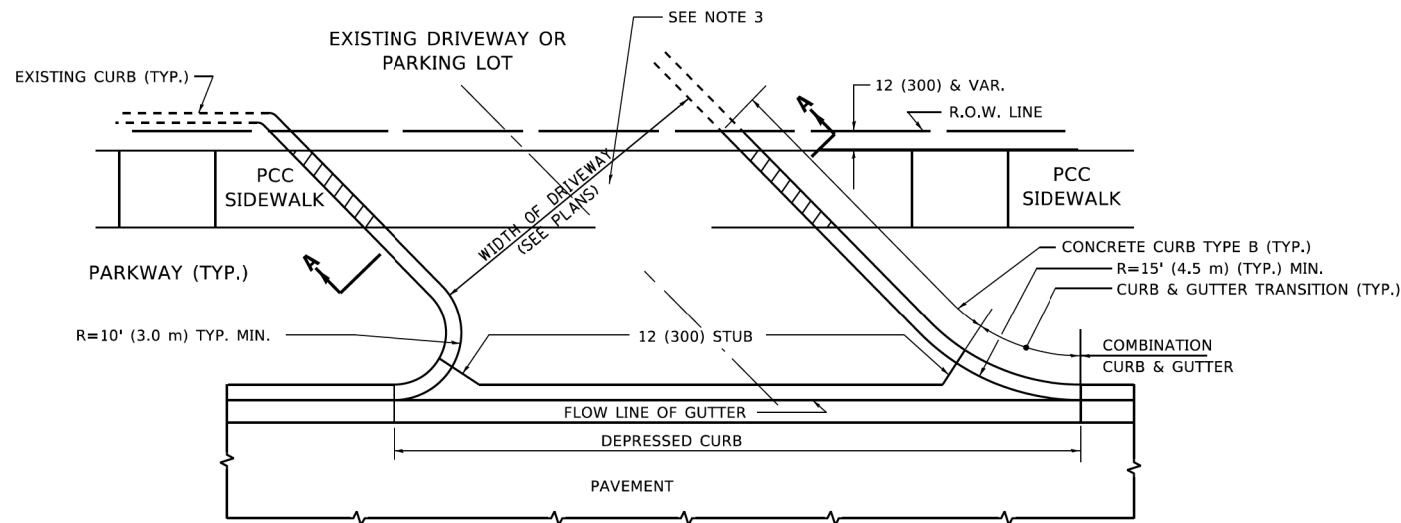
WITH CONCRETE CURB, TYPE B



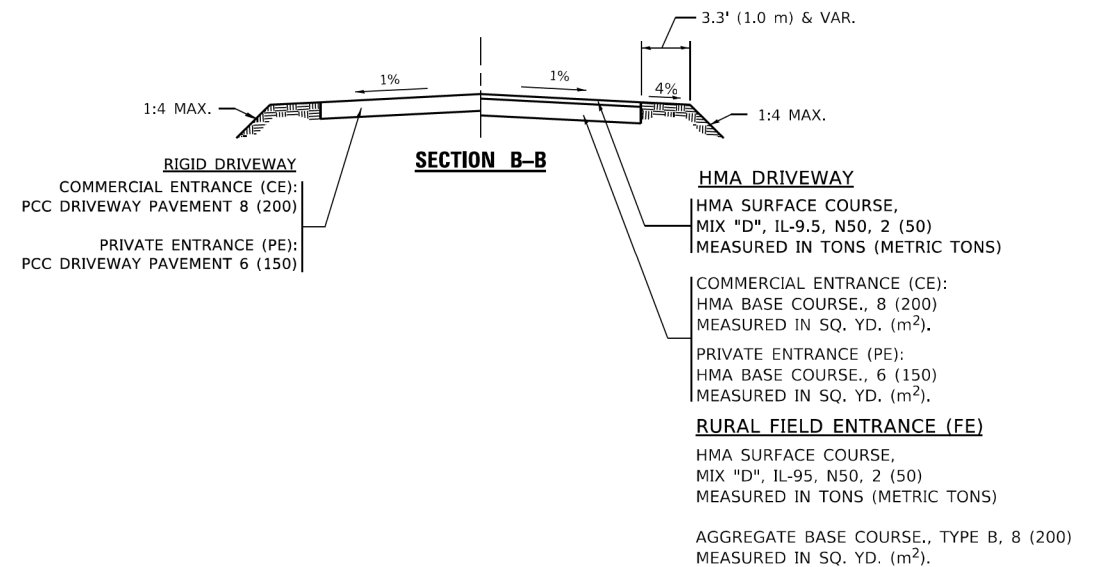
ADJACENT TO PCC /HMA SHOULDER



ADJACENT TO CURB AND GUTTER



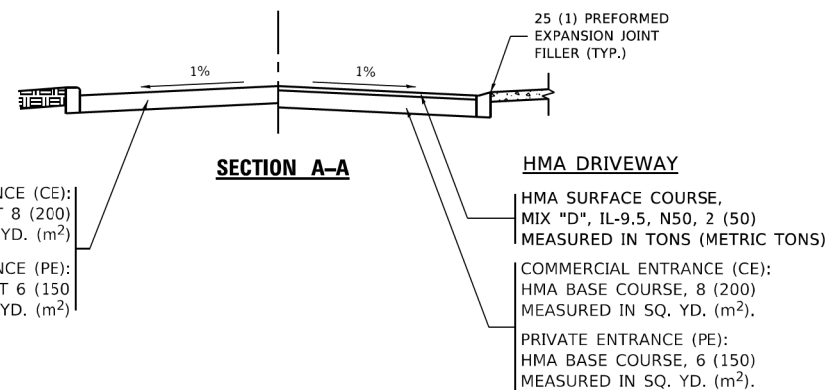
WITH CONCRETE CURB, TYPE B



GENERAL NOTES

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

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



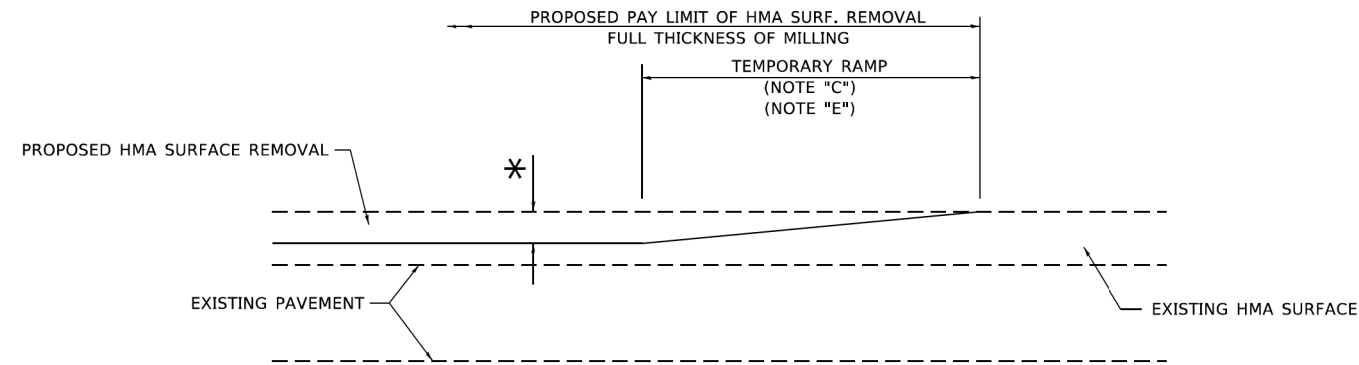
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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 08-28-19
PLOT DATE = 11/18/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

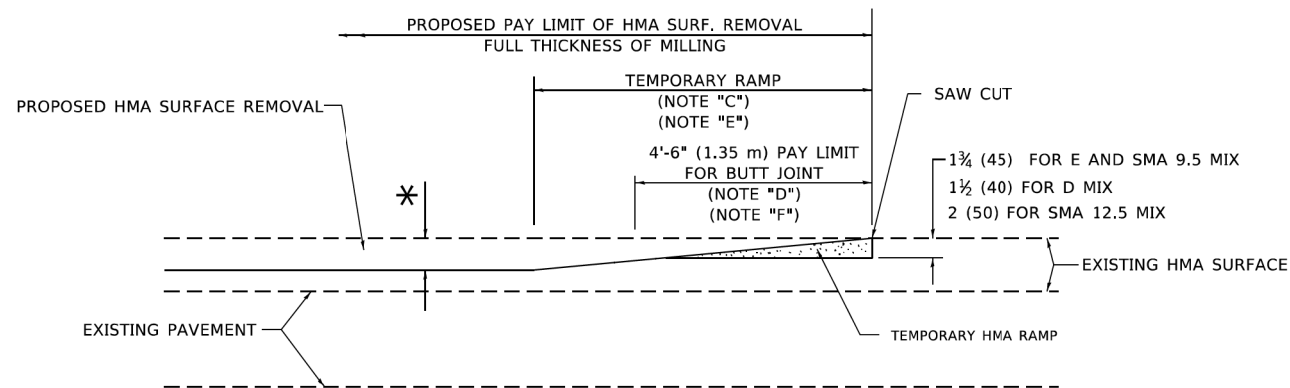
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	53
BD400-01 (BD-01)			CONTRACT NO. 61H32	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

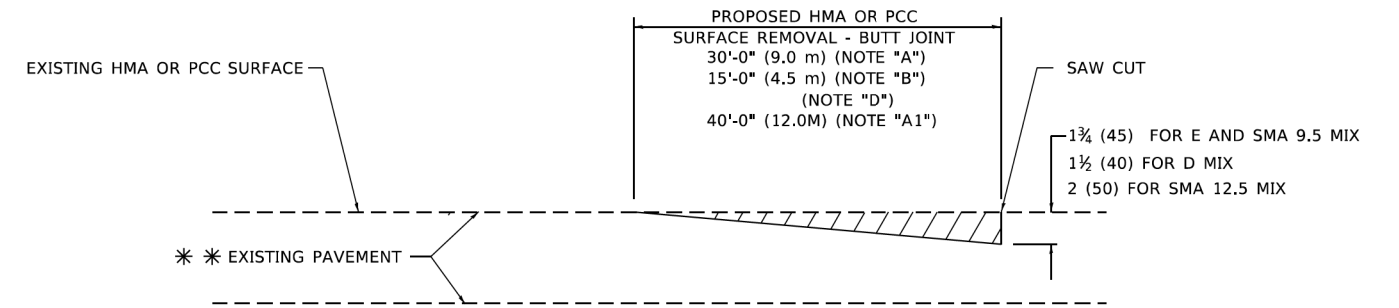


HMA CONSTRUCTED TEMPORARY RAMP

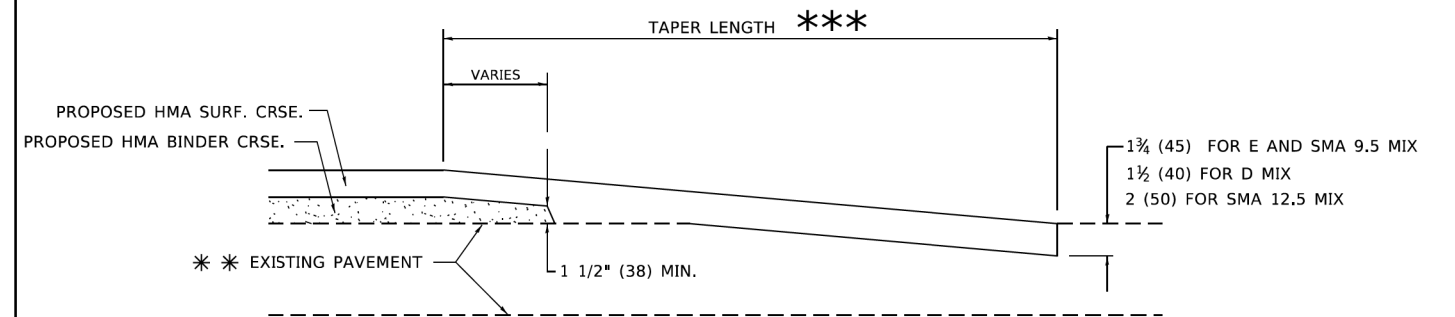
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

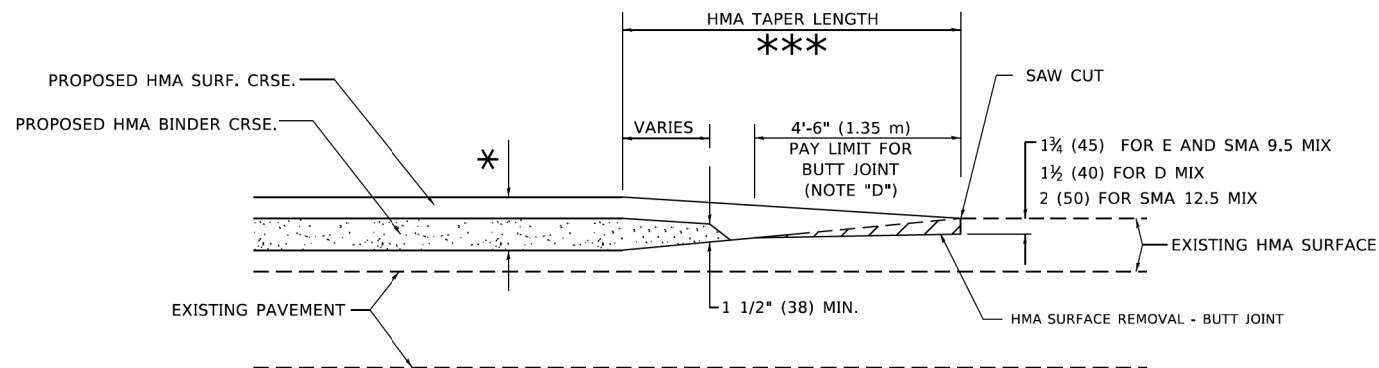
GENERAL NOTES

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

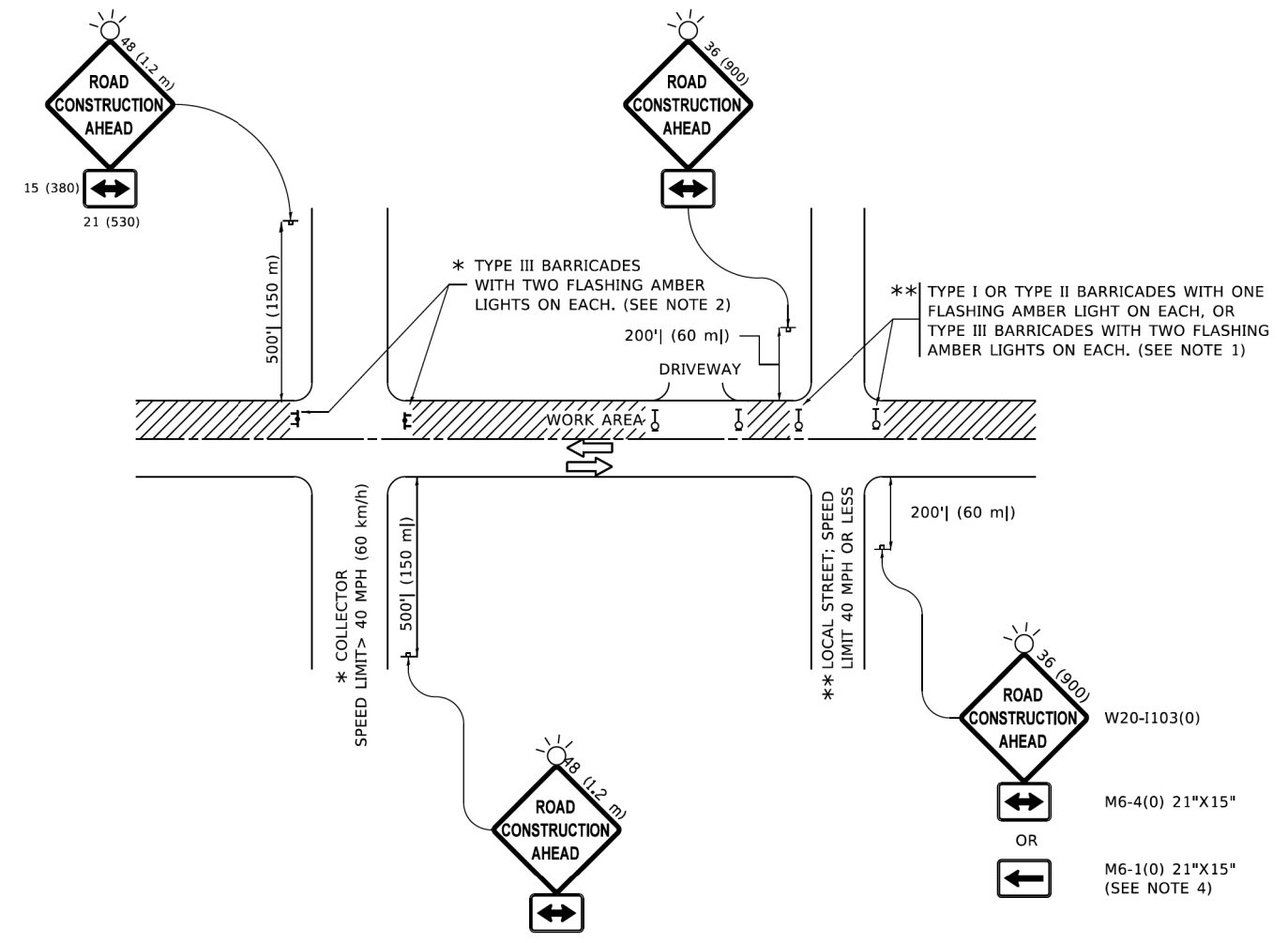
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-05 BD-32		CONTRACT NO. 61H32		
ILLINOIS FED. AID PROJECT				

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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.

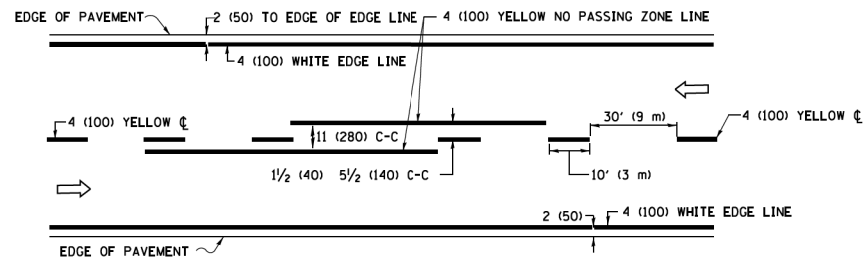
USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDRAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

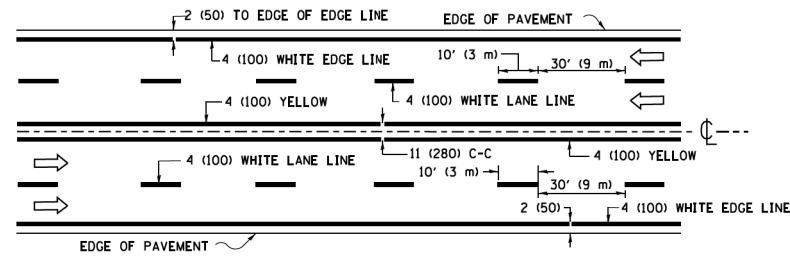
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

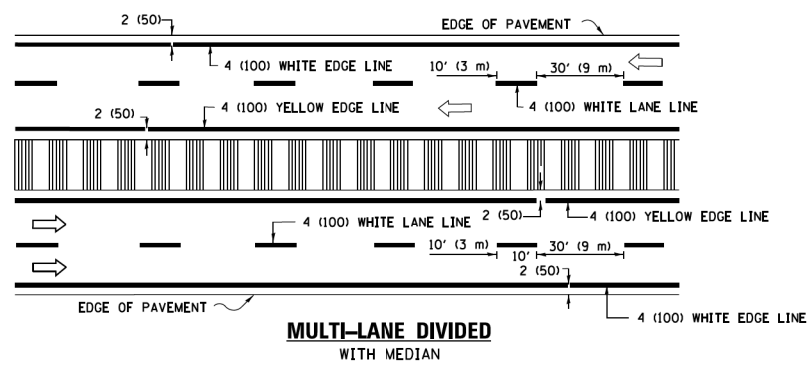
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-8R	WILL	76	55
TC-10			CONTRACT NO. 61H32	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

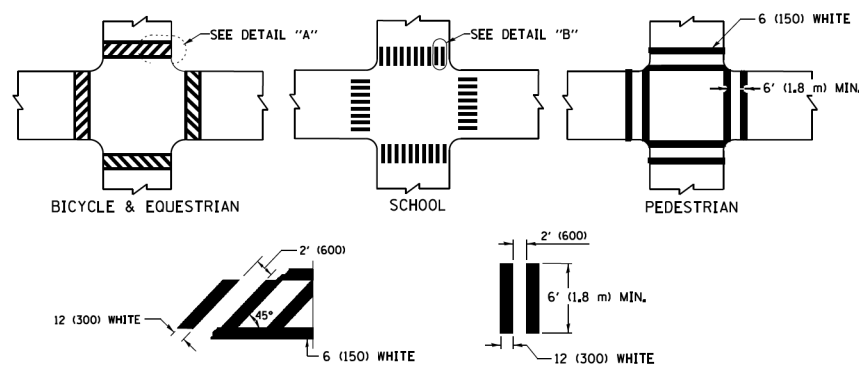


MULTI-LANE UNDIVIDED



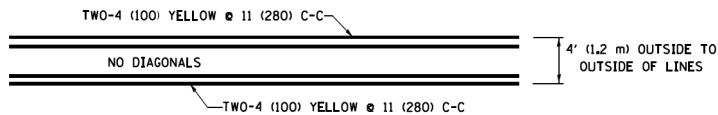
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

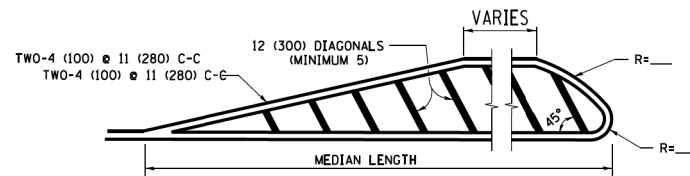


TYPICAL CROSSWALK MARKING

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

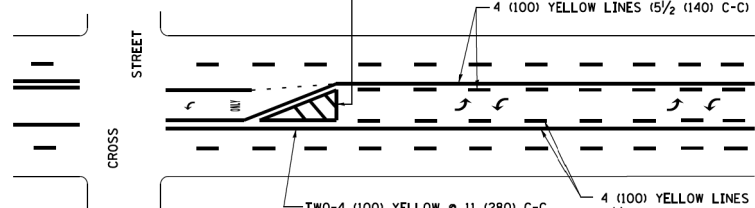


4' (1.2 m) WIDE MEDIANS ONLY



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

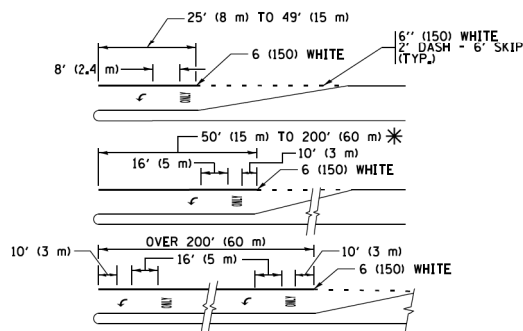
MEDIANS OVER 4' (1.2 m) WIDE



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

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

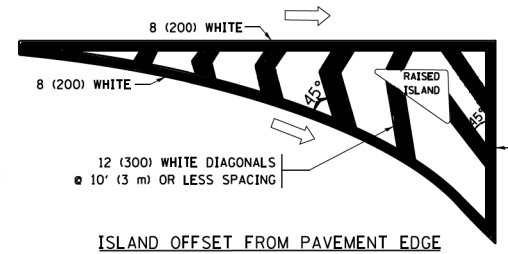


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

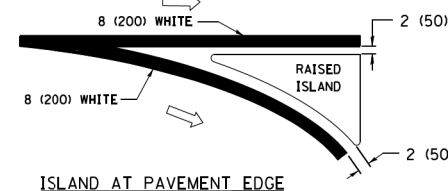
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

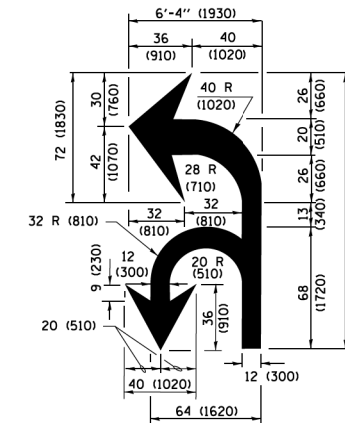


ISLAND OFFSET FROM PAVEMENT EDGE

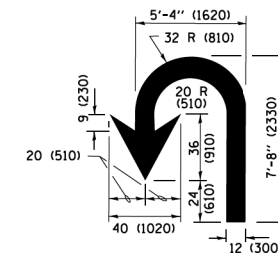


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

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

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

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	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	56
TC-13			CONTRACT NO.	61H32
ILLINOIS/FED. AID PROJECT				

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ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

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

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

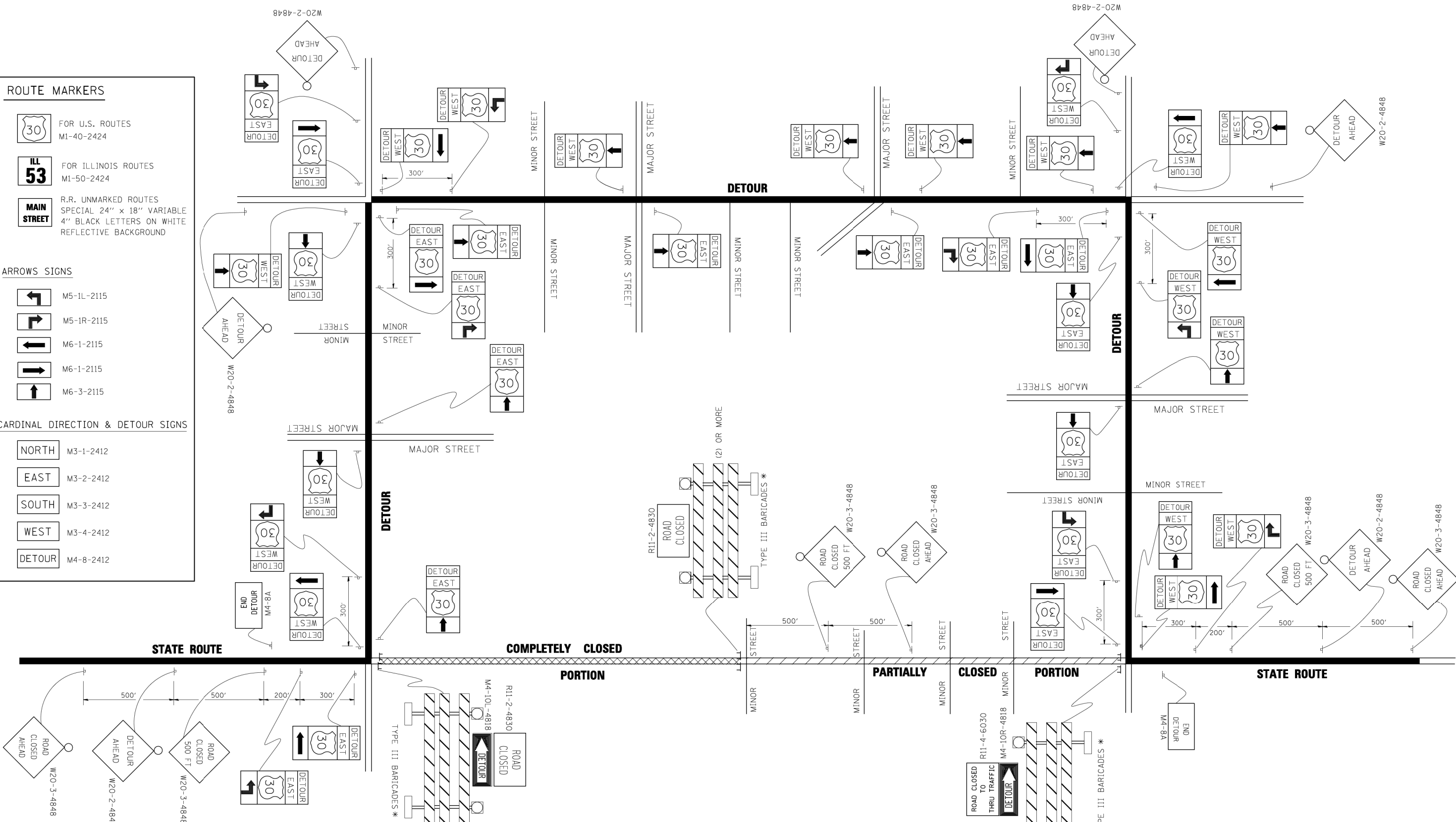
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



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

FILE NAME =	USER NAME = d-ivakosgn	DESIGNED -	REVISED - 10-18-02
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

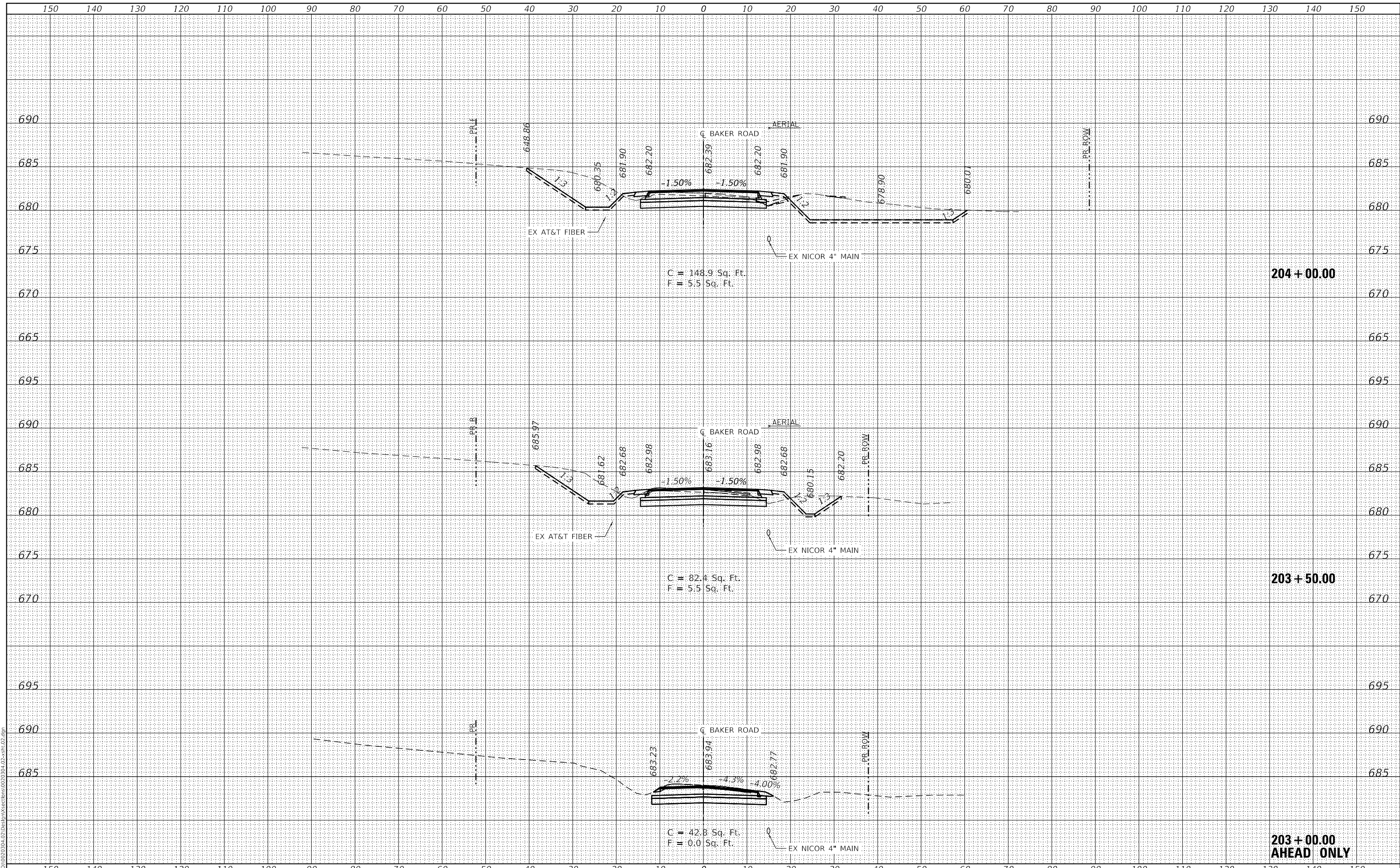
DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	57
TC-21		CONTRACT NO.	61H32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
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FINAL SURVEY	
NOTE BOOK	
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PLOT DATE =	8/7/2023	DATE -	8/7/2023	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS

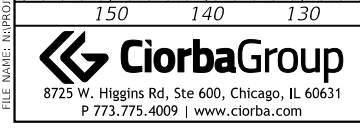
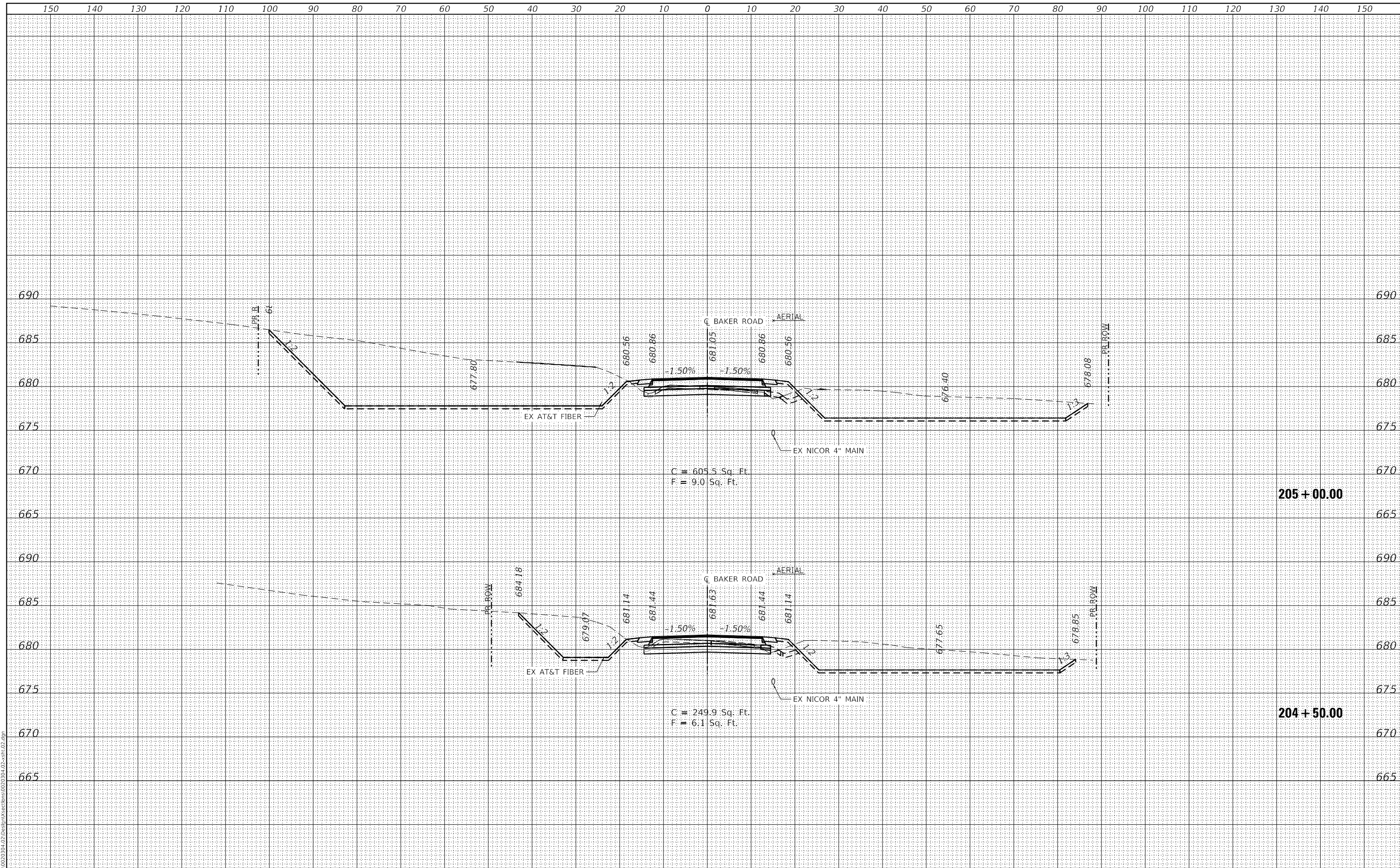
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TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	58
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED	DATE
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ORIGINAL SURVEY NO.	SURVEYED	DATE
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PLOT SCALE = 20,0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

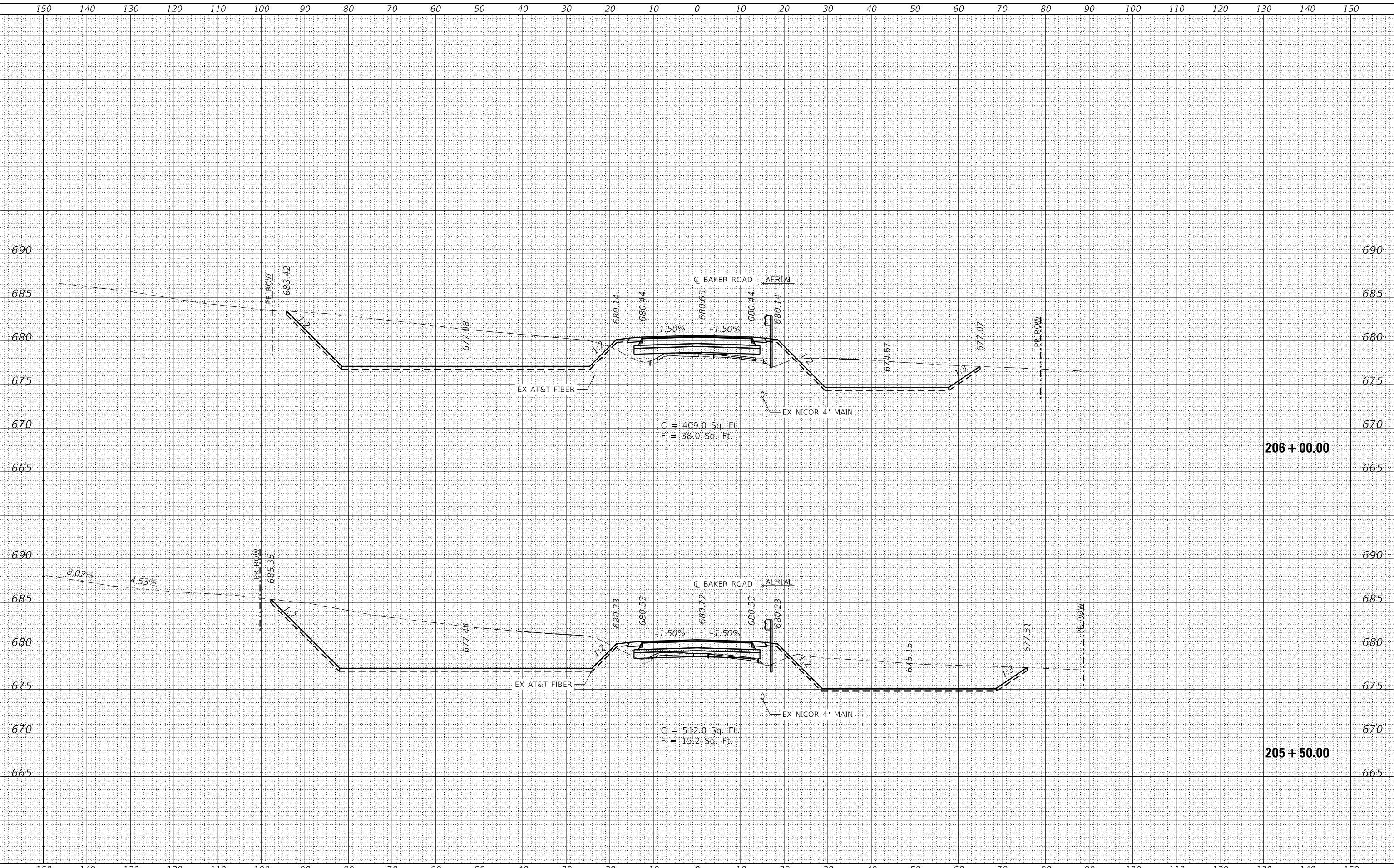
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	59
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

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

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

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 MODEL: S:\DELIMITERS
 FILE NAME: R:\Proj\002030402\Des\Proj\Sections\02030402.spc.dwg



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS

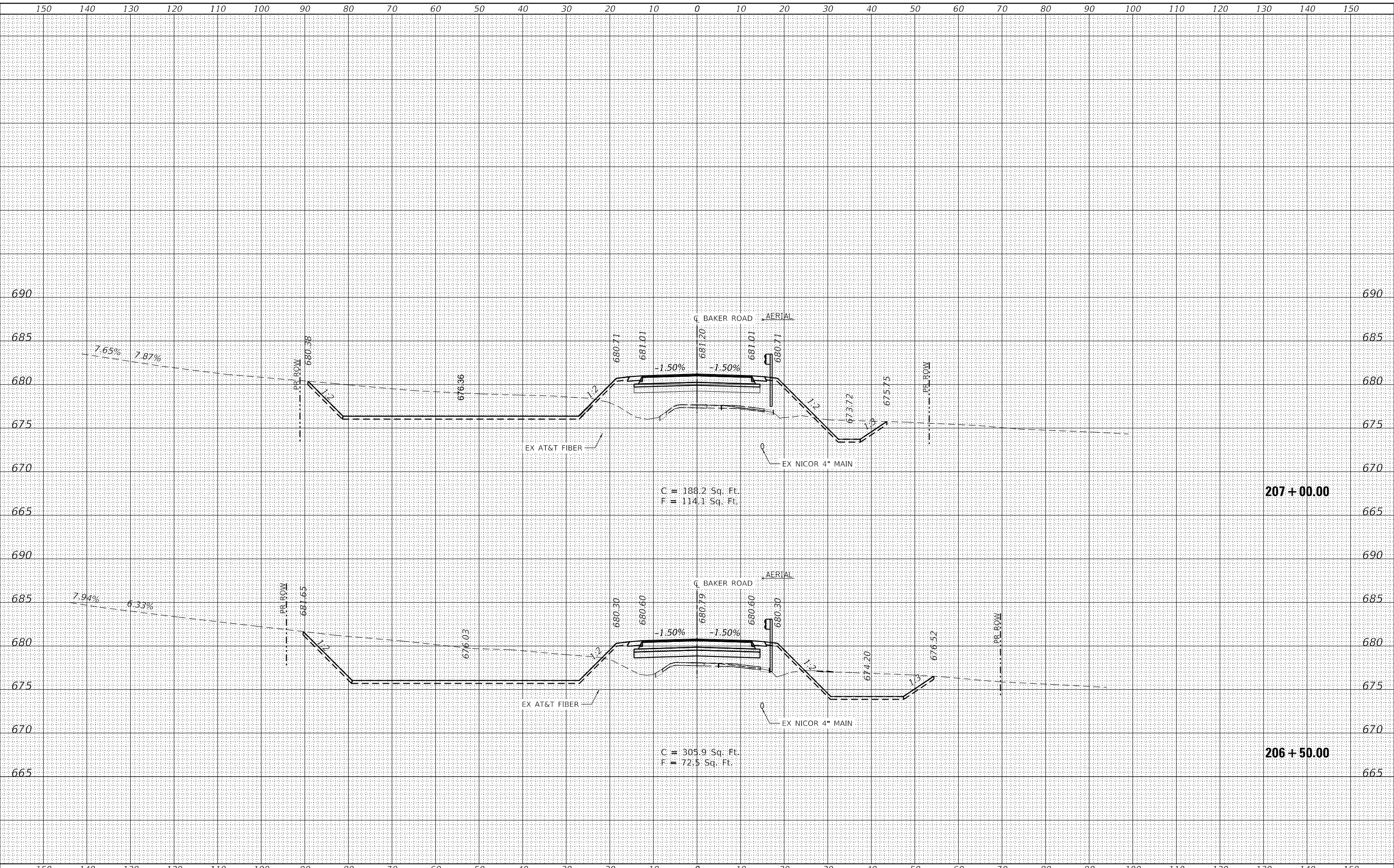
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	60
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

DATE PLOTTED = 8/7/2023 1:57:29 PM
 PEN TABLE = R:\P\01\002030402\002030402.dwg
 PLOT CONFIG = CG-PDF.plt
 MODEL: S:\DELIMITERS
 FILE NAME: R:\P\01\002030402\002030402.dwg



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20,0000 ' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS

SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	61
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

DATE	
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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 FILE NAME: N:\PROJ\2023\14-12112-01-DESIGN\sections\0202304.02-srct02.dgn

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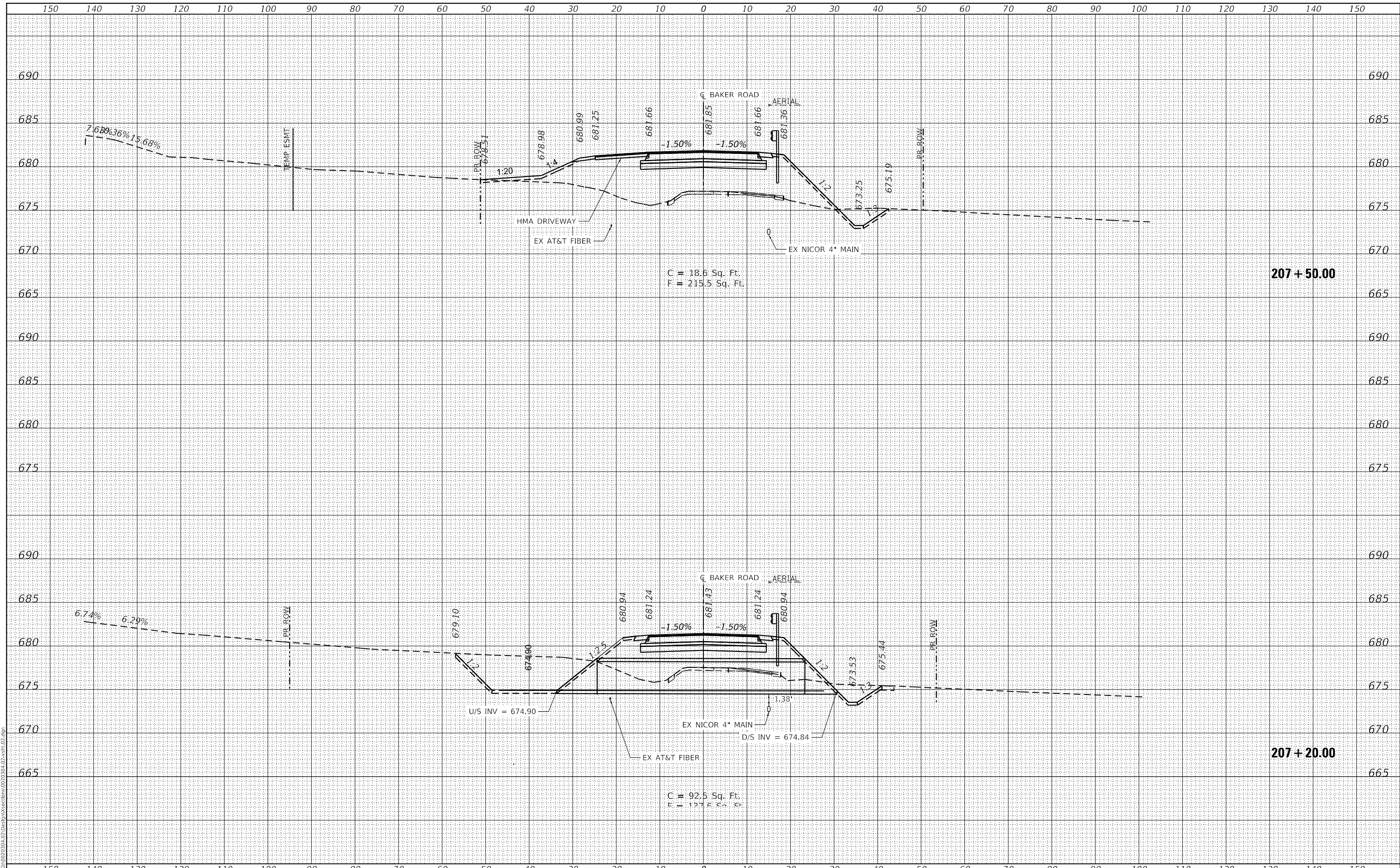
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		DRAWN -	TBH	REVISED -	_____
PLOT SCALE =	20,0000' / in.	CHECKED -	EPS	REVISED -	_____
PLOT DATE =	8/28/2024	DATE -	8/28/2024	REVISED -	_____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

SCALE: 1" = 10' SHEET OF SHEETS STA. 207+20.00 TO STA. 207+50.00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	62
			CONTRACT NO. 61H32	
			ILLINOIS FED. AID PROJECT	



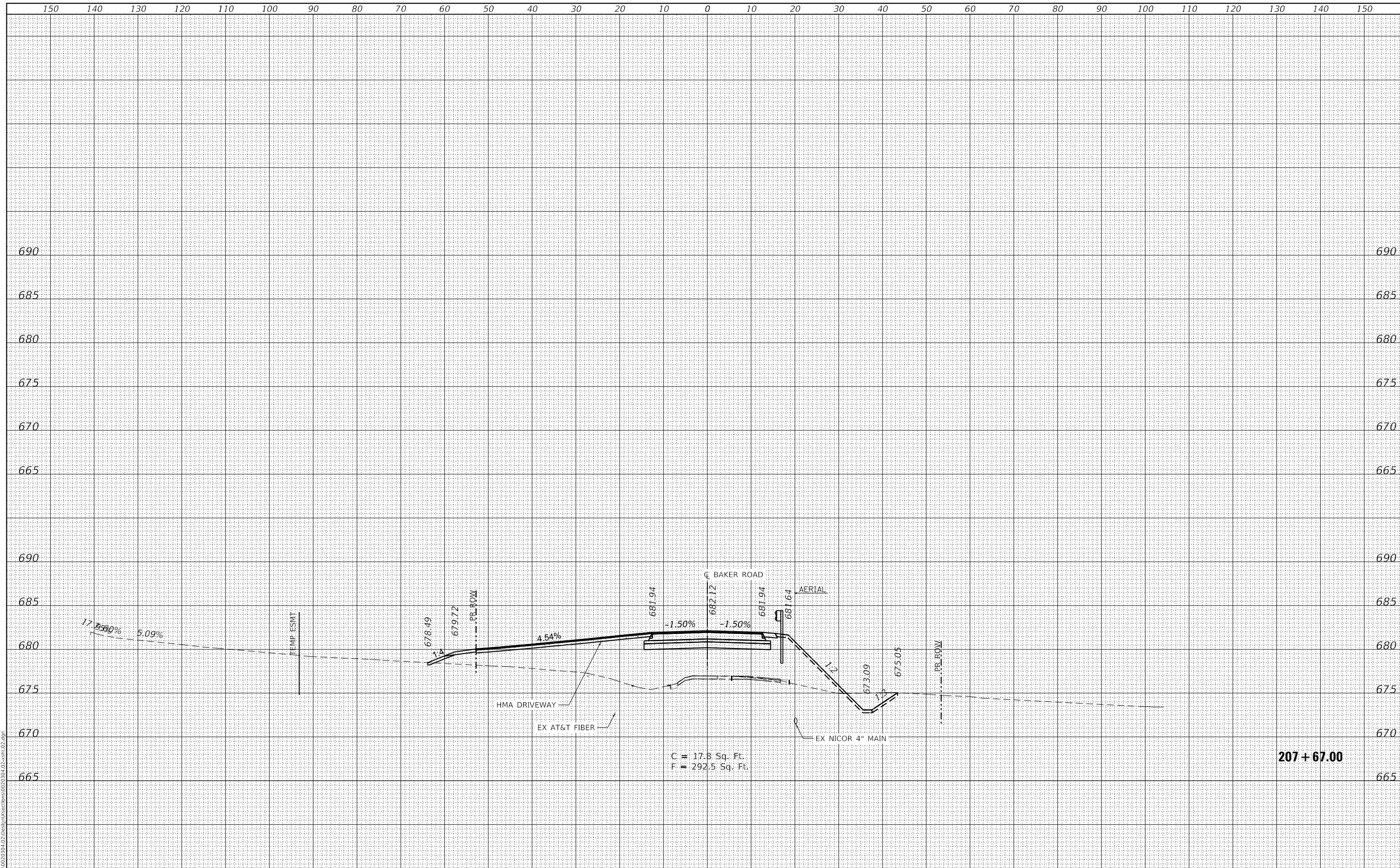
207 + 50.00

207 + 20.00

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

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

DATE PLOTTED = 8/7/2023 1:57:29 PM
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 FILE NAME: R:\P\0\02030402\Design\Sections\02030402.dwg



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS**

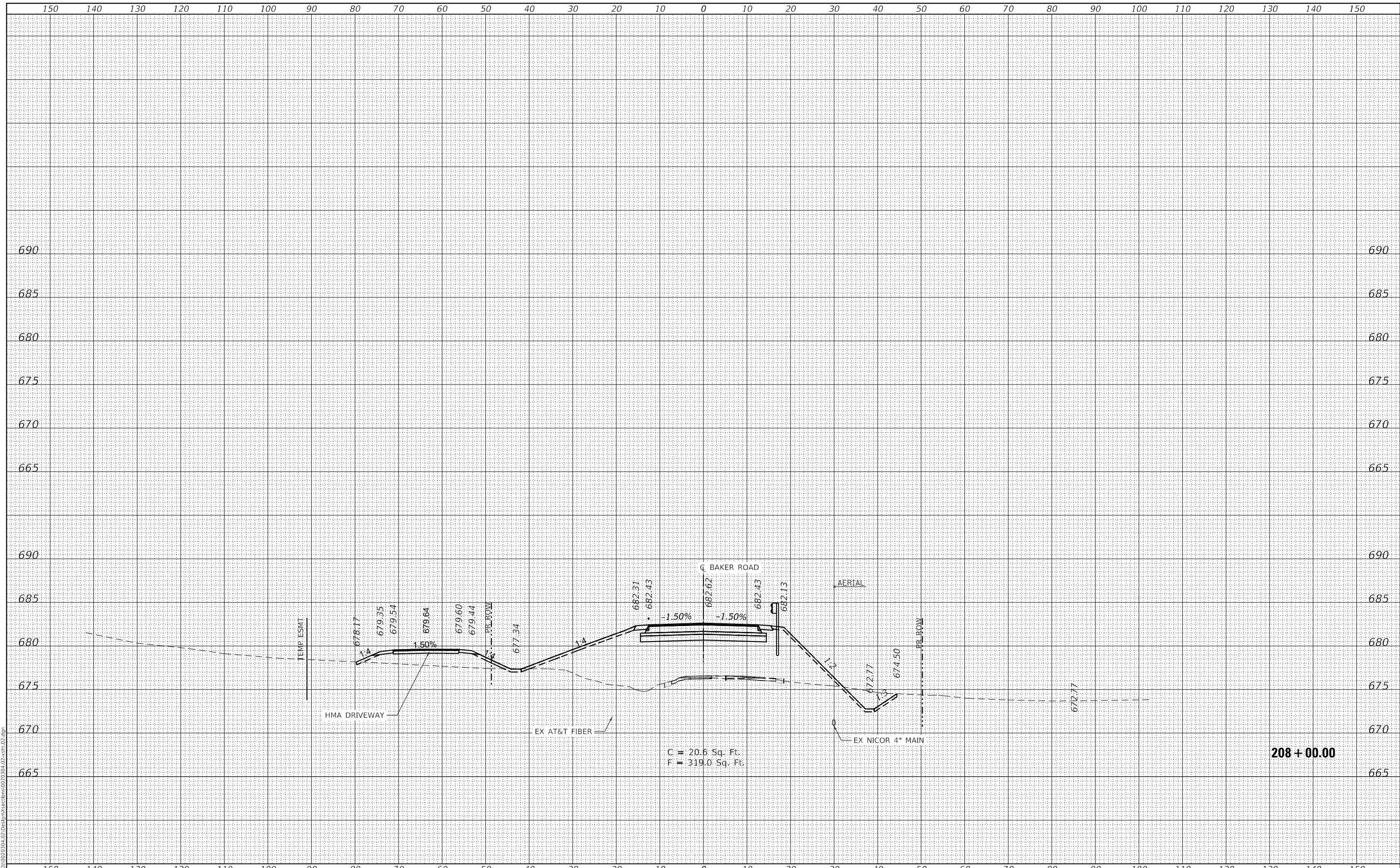
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	63
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = Roadway
PLOT SCALE = 20,0000 ' / in.
PLOT DATE = 8/7/2023

DESIGNED - EPS
DRAWN - TBH
CHECKED - EPS
DATE - 8/7/2023

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS

SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	64
CONTRACT NO. 61H32				

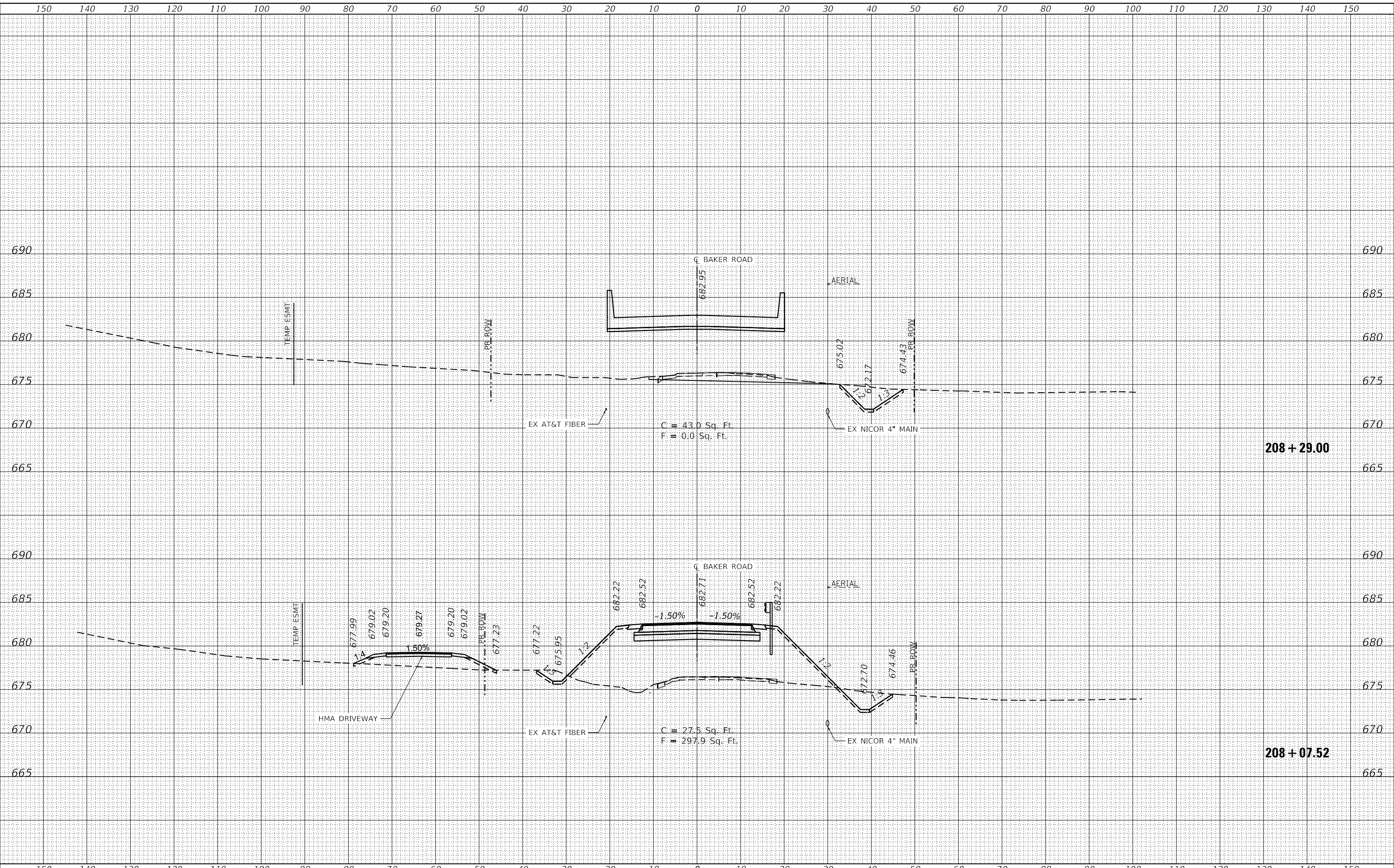
208 + 00.00

ILLINOIS FED. AID PROJECT

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

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

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 MODEL: SPODELMAMES
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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/28/2024	CHECKED - EPS	REVISED -
	DATE - 8/28/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS**

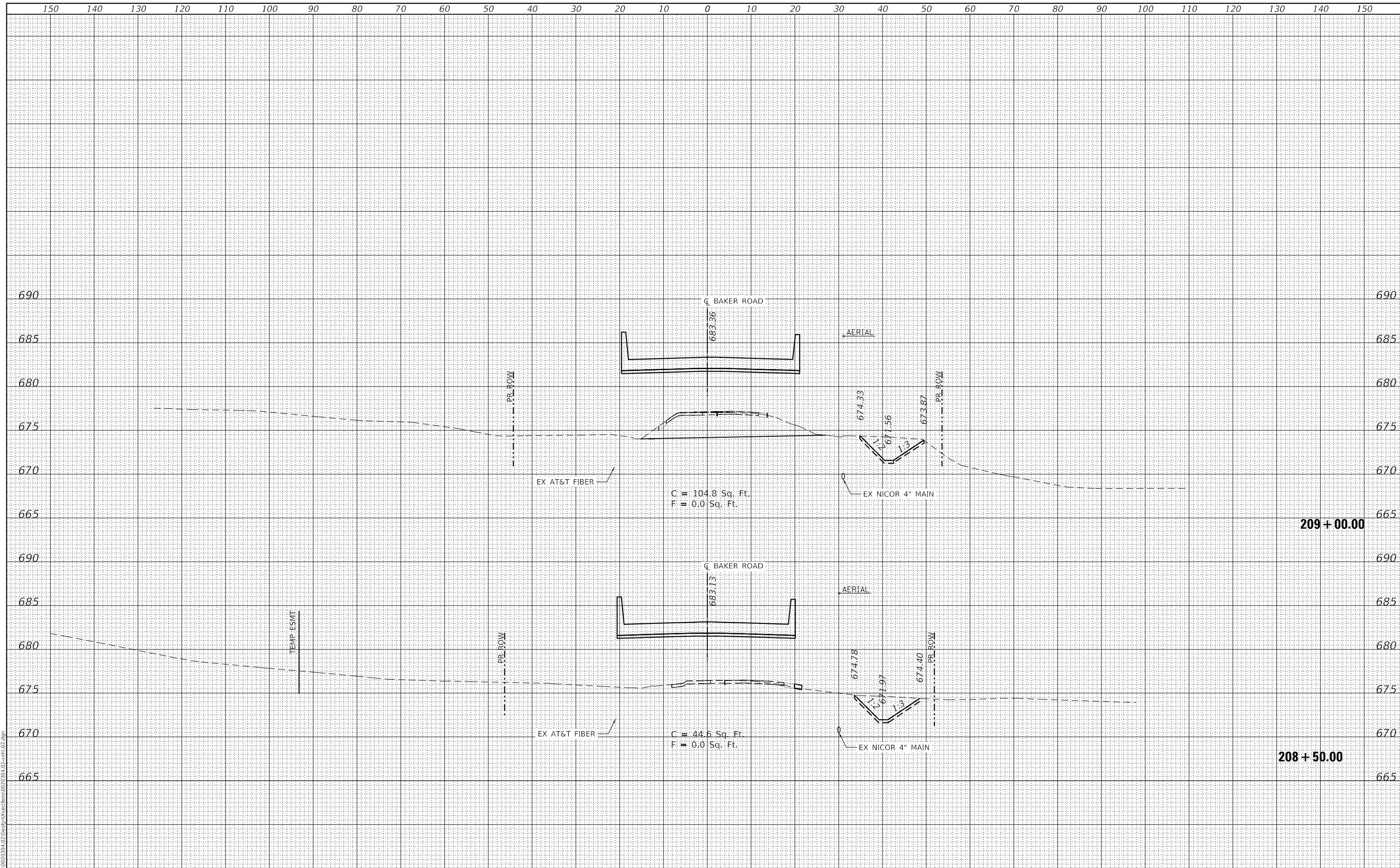
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	65
			CONTRACT NO. 61H32	
		ILLINOIS	FED. AID PROJECT	

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

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

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150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150							
																STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION												BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT CROSS SECTIONS									
USER NAME = Roadway																DESIGNED - EPS										REVISED -											
DRAWN - TBH																CHECKED - EPS										REVISIED -											
DATE = 8/7/2023																DATE - 8/7/2023										REVISIED -											
PLOT SCALE = 20,0000' / in.																SCALE: 1" = 10'										SHEET OF SHEETS STA. TO STA.											
PLOT DATE = 8/7/2023																CONTRACT NO. 61H32										ILLINOIS FED. AID PROJECT											

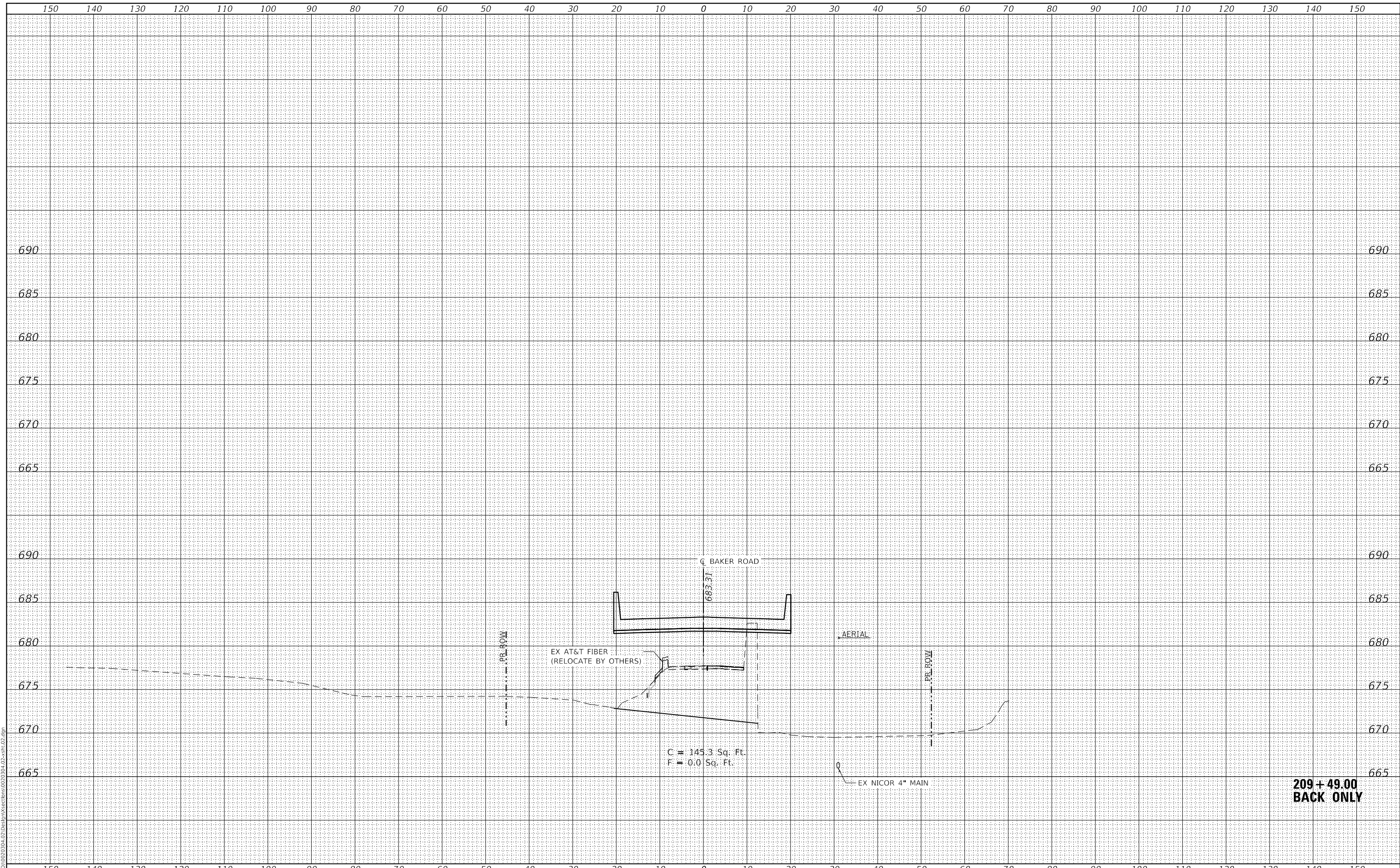


TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	66

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

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

DATE PLOTTED = 8/7/2023 1:57:30 PM
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 PLOT CONFIG = CG-PDF.plt
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 FILE NAME: R:\P\01002030402\002030402.dwg



**209 + 49.00
BACK ONLY**



USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

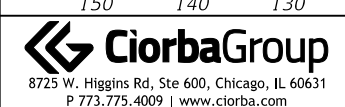
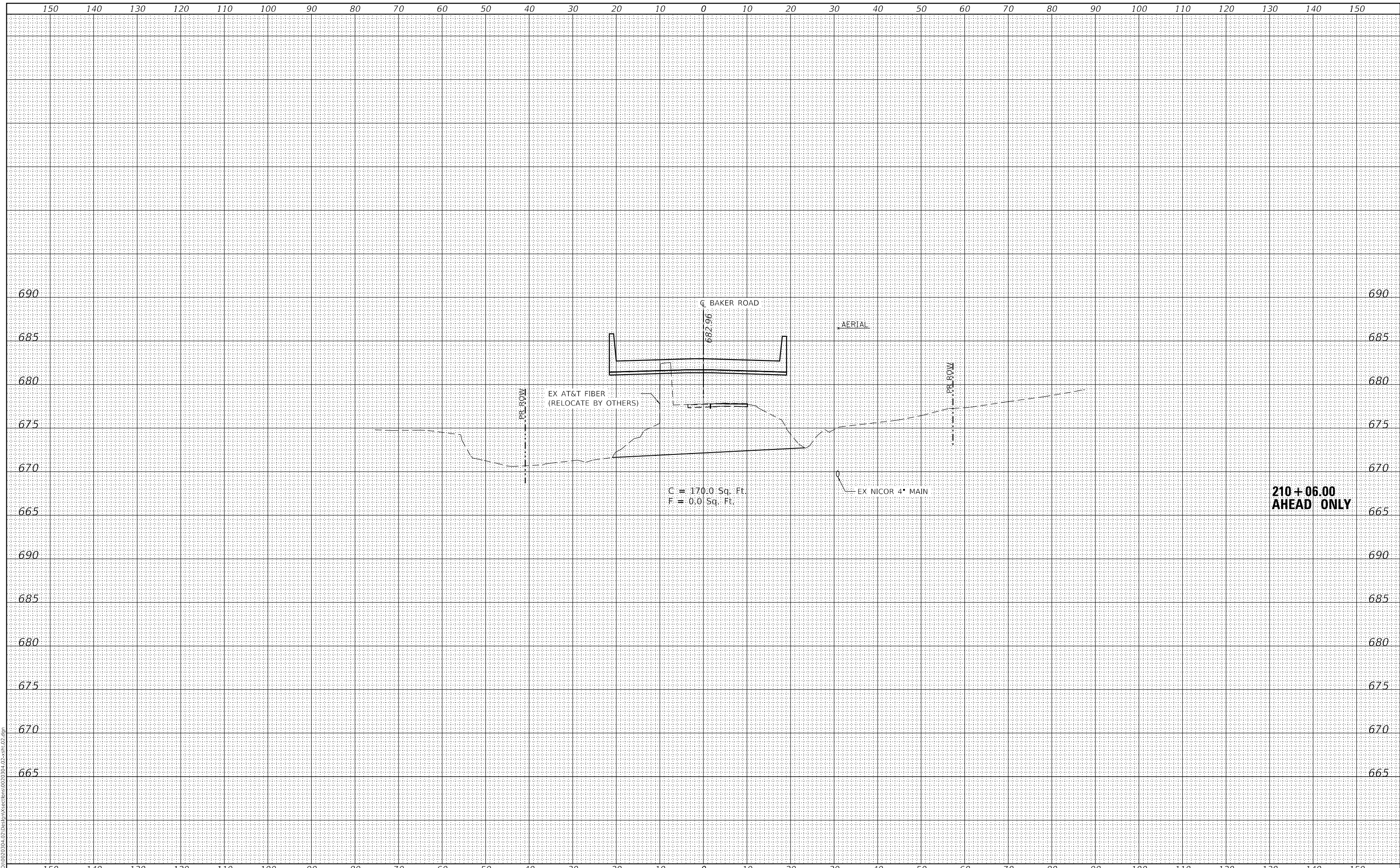
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	67
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

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

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

DATE PLOTTED = 8/7/2023 1:57:30 PM
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 MODEL: S:\MODEL\MES
 FILE NAME: R:\P\01002030402\002030402.dwg



USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

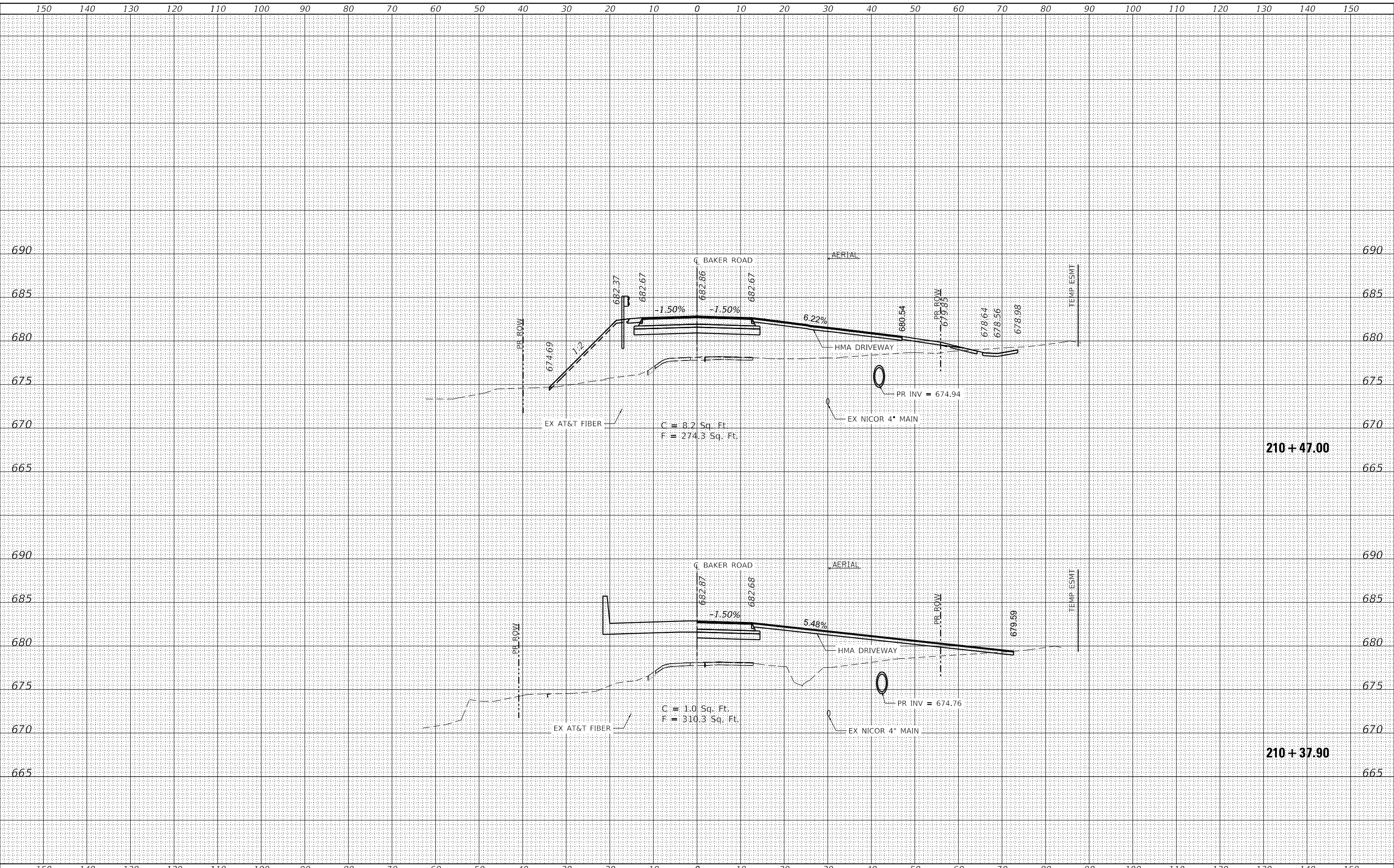
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	68
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

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

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

DATE PLOTTED = 8/7/2023 1:57:30 PM
 PEN TABLE = R:\P\01002030402\002030402.dwg
 PLOT CONFIG = CG-PDF.plt
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 FILE NAME: R:\P\01002030402\002030402.dwg



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS

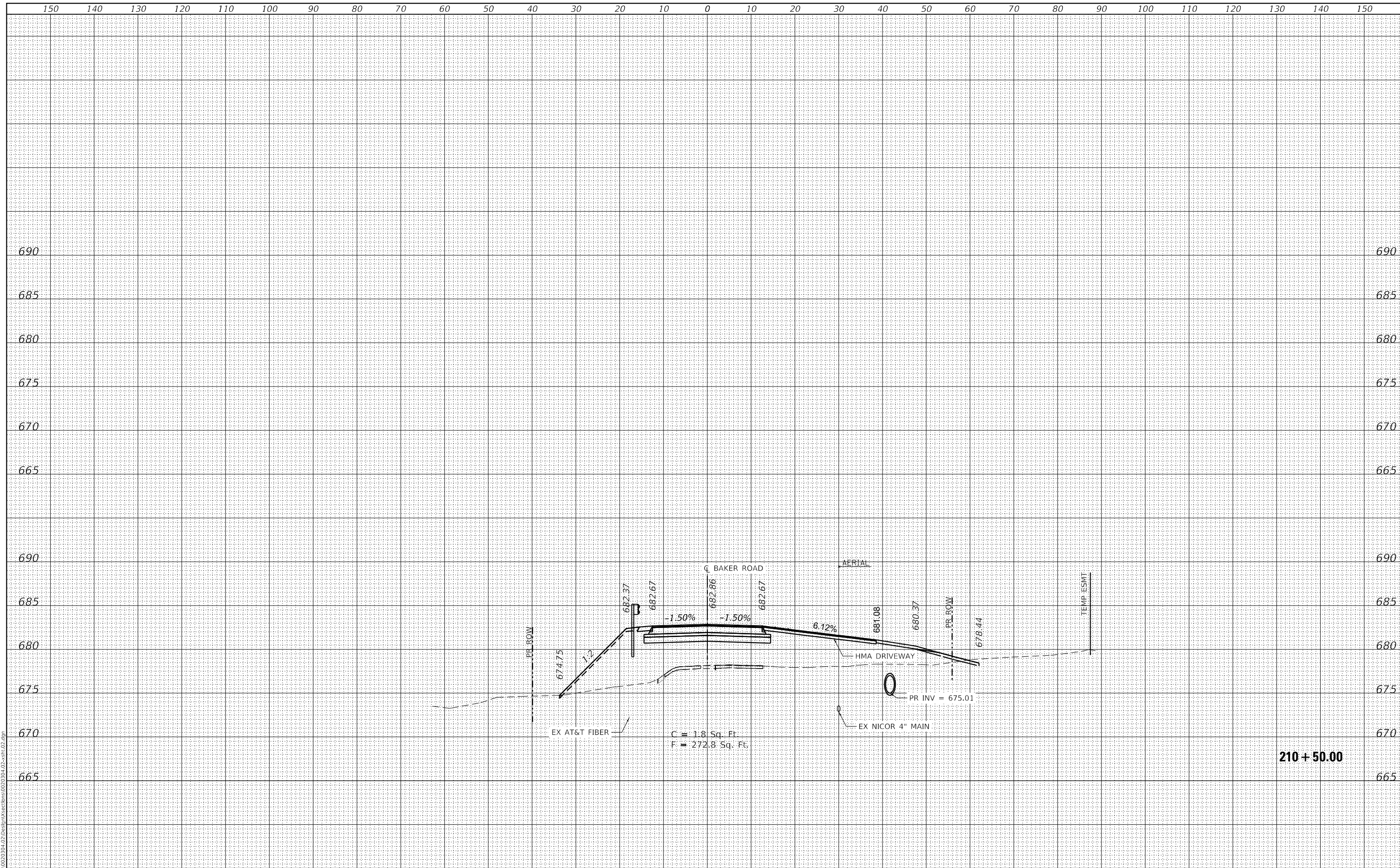
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	69
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

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

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

DATE PLOTTED = 8/7/2023 1:57:30 PM
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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS**

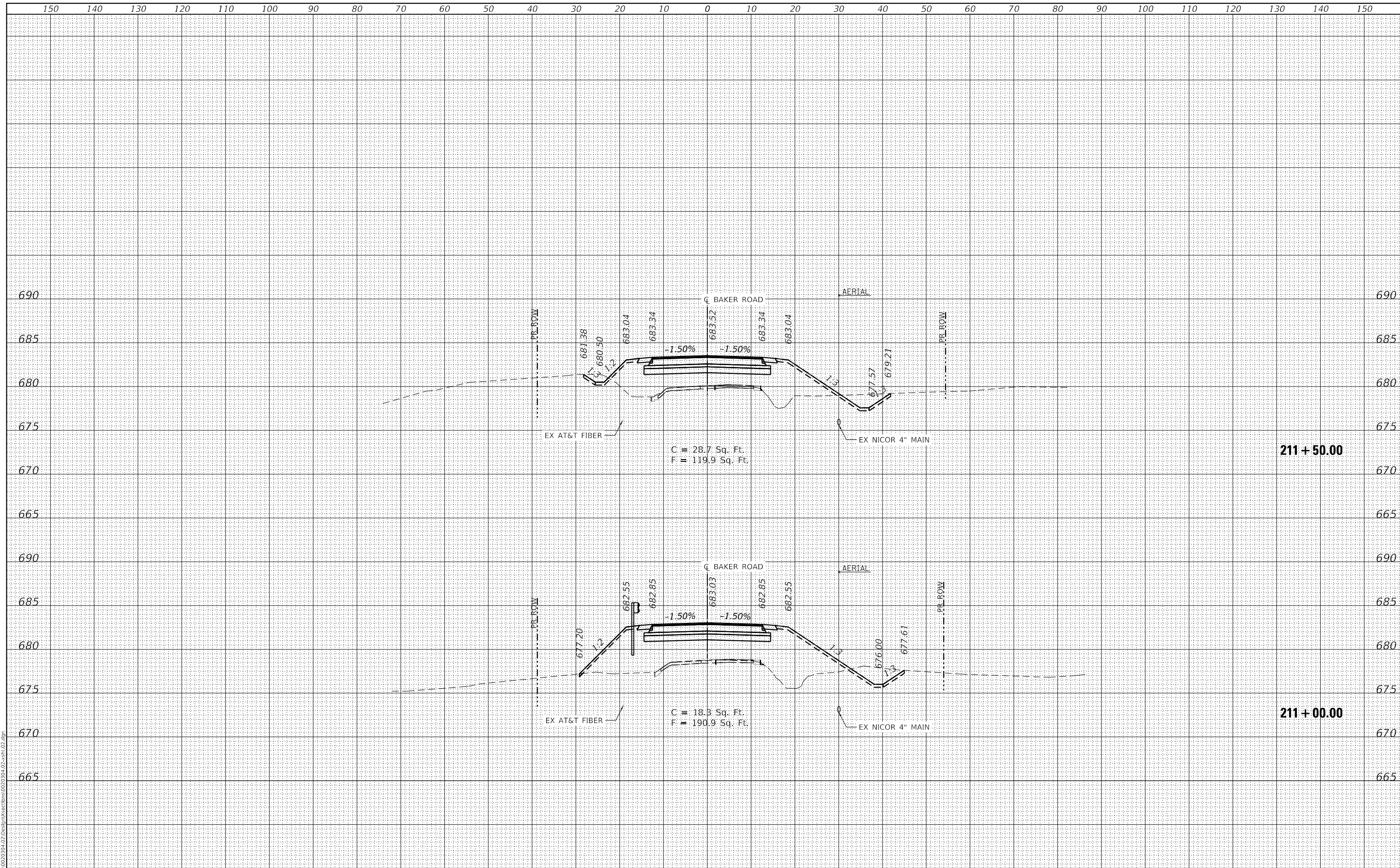
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	70
CONTRACT NO. 61H32				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

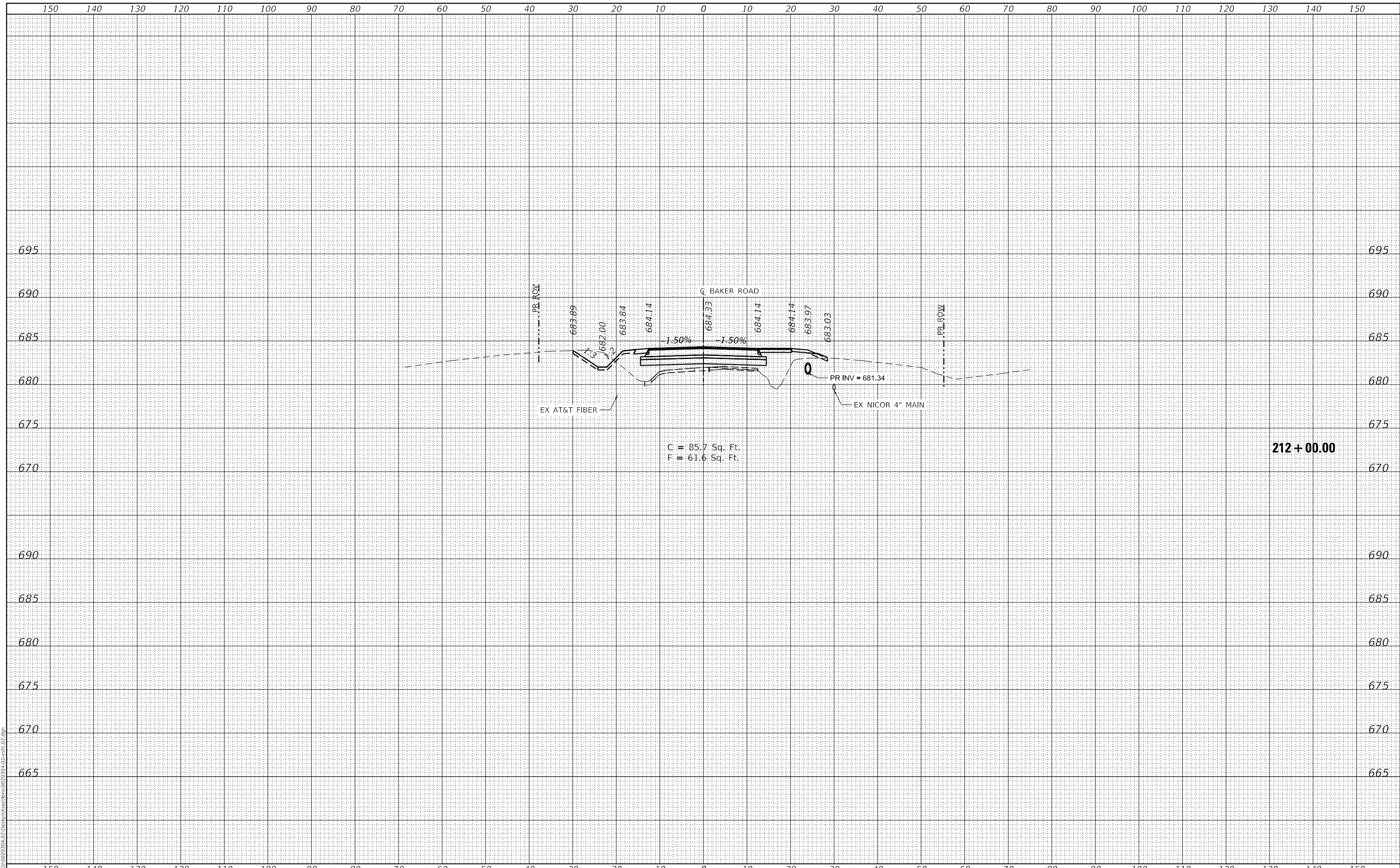
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	71
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

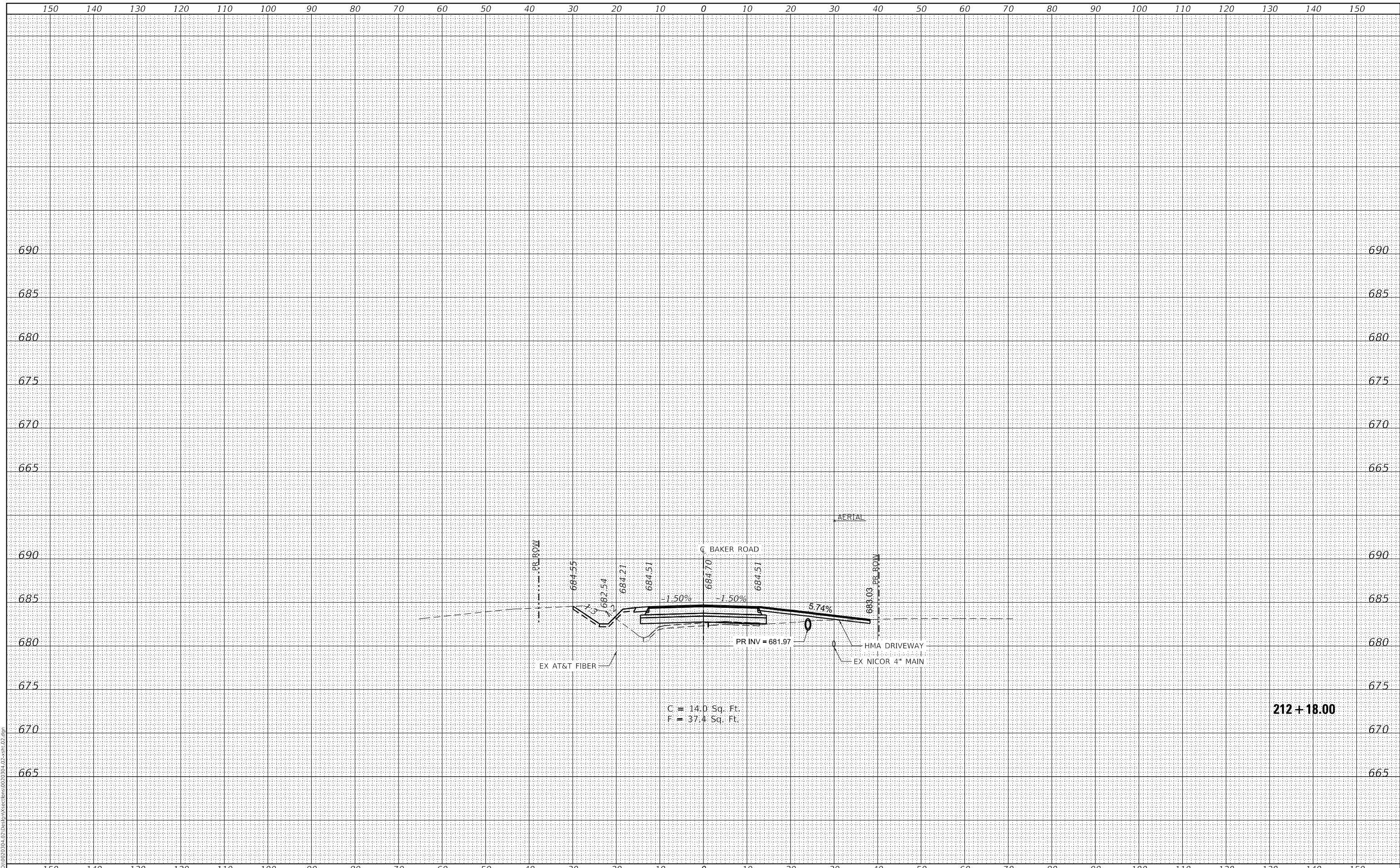
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	72
CONTRACT NO. 61H32			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		

DATE PLOTTED = 8/7/2023 1:57:31 PM
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 FILE NAME: R:\P\0\02030402\Des\In\Sections\02030402.dwg



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USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS**

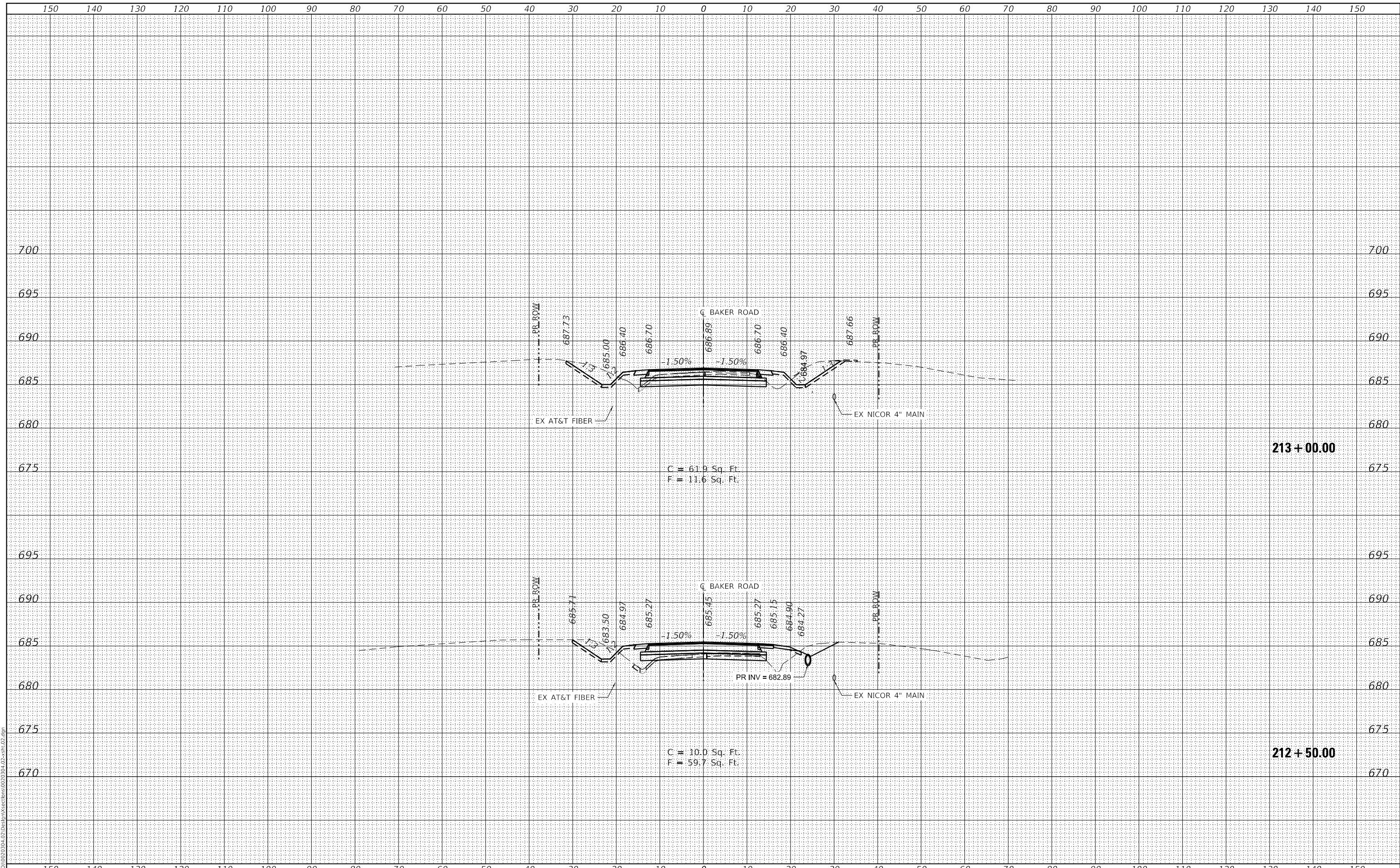
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TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	73
CONTRACT NO. 61H32				
ILLINOIS		FED. AID PROJECT		

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

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

DATE PLOTTED = 8/7/2023 1:57:31 PM
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 FILE NAME: R:\P\0\02030402\Des\In\Sections\02030402.spc.dwg



USER NAME = Roadway	DESIGNED - EPS	REVISED -
PLOT SCALE = 20,0000 ' / in.	DRAWN - TBH	REVISED -
PLOT DATE = 8/7/2023	CHECKED - EPS	REVISED -
	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS**

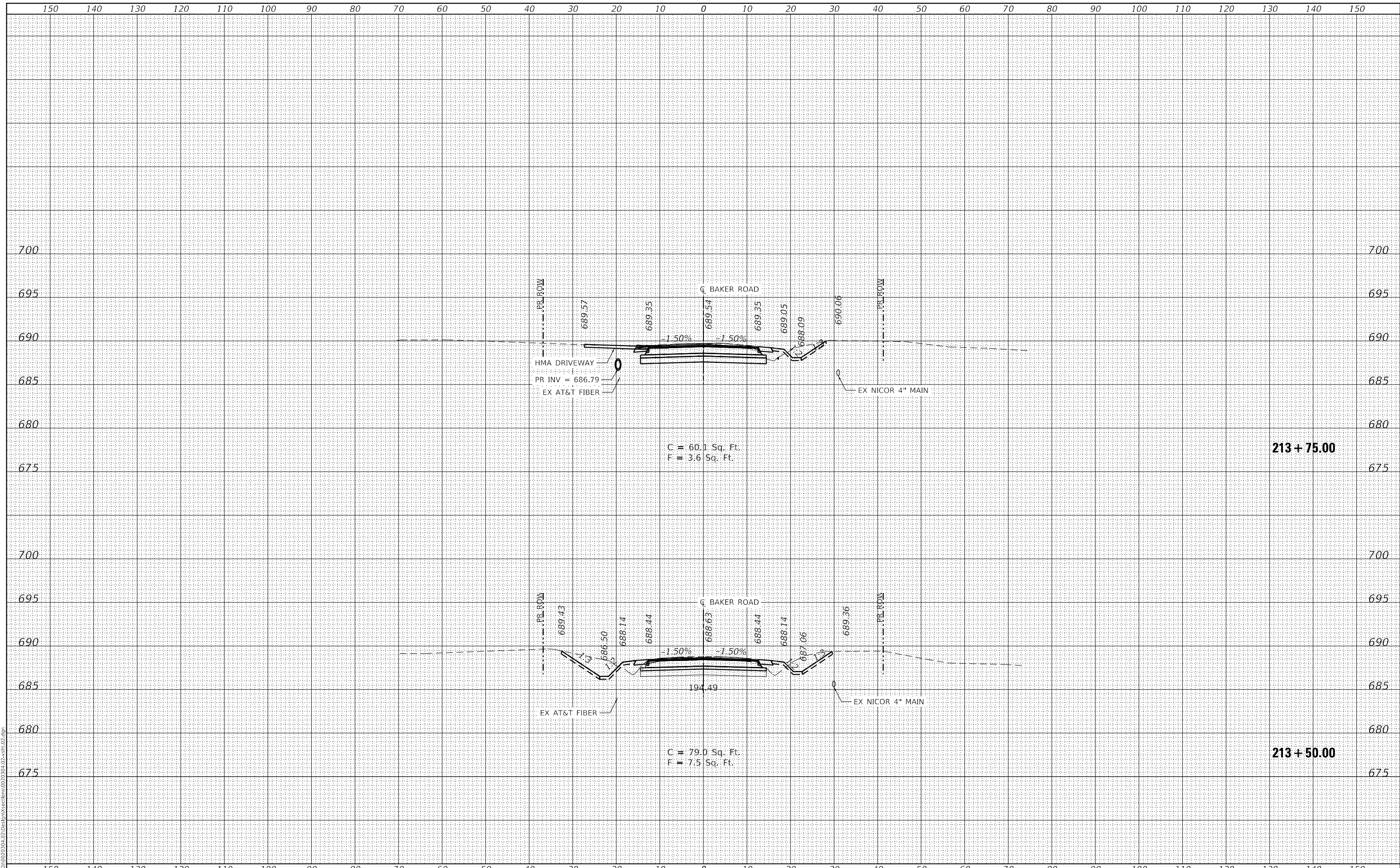
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	74
			CONTRACT NO. 61H32	
		ILLINOIS	FED. AID PROJECT	

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

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

DATE PLOTTED = 8/7/2023 1:57:31 PM
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 FILE NAME: R:\P\01002030402\Design\Sections\02030402.dwg



USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
CROSS SECTIONS**

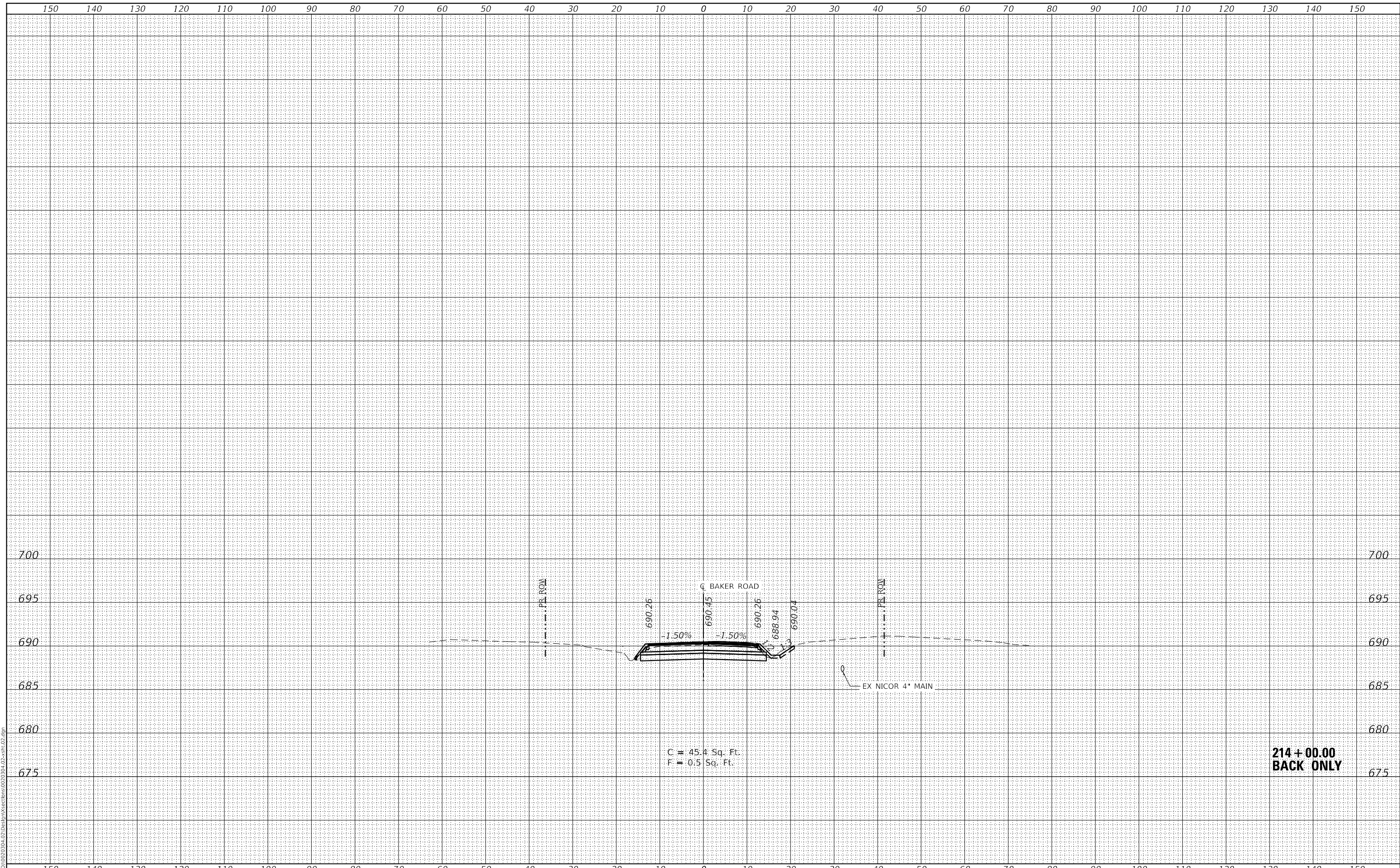
SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	75
CONTRACT NO. 61H32			ILLINOIS FED. AID PROJECT	

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

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

DATE PLOTTED = 8/7/2023 1:57:31 PM
 PEN TABLE = R:\P\01002030402\002030402.dwg
 PLOT CONFIG = CG-PDF.plt
 MODEL: S:\MODEL\MES
 FILE NAME: R:\P\01002030402\DESIGN\sections\02030402.dwg



**214 + 00.00
 BACK ONLY**



USER NAME = Roadway	DESIGNED - EPS	REVISED -
	DRAWN - TBH	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - EPS	REVISED -
PLOT DATE = 8/7/2023	DATE - 8/7/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAKER ROAD OVER JACKSON CREEK BRIDGE REPLACEMENT
 CROSS SECTIONS**

SCALE: 1" = 10' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
181	14-12112-01-BR	WILL	76	76
			CONTRACT NO. 61H32	
		ILLINOIS	FED. AID PROJECT	