

06-14-2024 LETTING ITEM 211

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

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

LBFP-OFF SYSTEM  
BRIDGE REPLACEMENT  
TR 230 (PRITCHARD ROAD)  
SQUAW GROVE TOWNSHIP  
PROJECT YC01(431)  
SECTION 19-17129-00-BR  
DEKALB COUNTY  
C-93-005-24

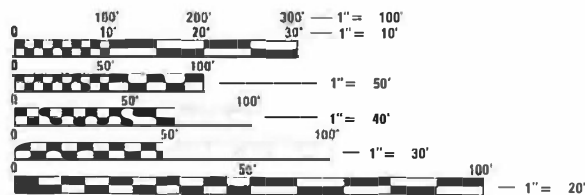
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	1	48
		ILLINOIS	CONTRACT NO. 87818	



**FUNCTIONAL CLASS:**  
PRITCHARD ROAD - LOCAL ROAD

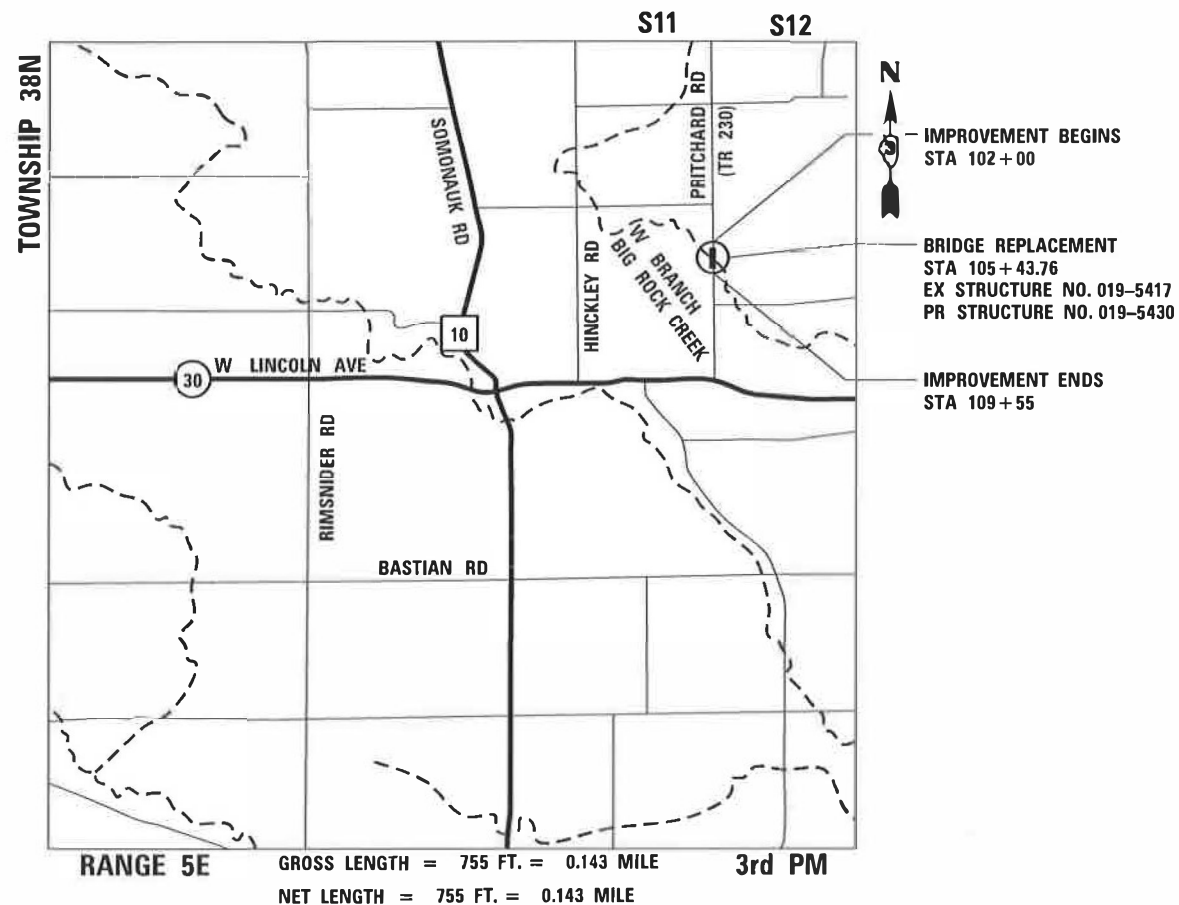
**TRAFFIC DATA:** TR 230 (PRITCHARD ROAD)  
2021 ADT = 350  
2044 ADT = 389

**DESIGN SPEED = 30 MPH**



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

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



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 12/27/2023  
[Signature]  
DEKALB COUNTY HIGHWAY DEPARTMENT COUNTY ENGINEER

PASSED December 29, 2023  
[Signature]  
DISTRICT 3 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW December 29, 2023  
[Signature]  
REGION 2 ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 87818



DECEMBER 27TH, 2023  
[Signature]  
THOMAS STENSLIK  
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-067665  
EXPIRATION DATE 11-30-2025  
SHEET 1 TO 18 SHEET 42 TO 50



DECEMBER 27TH, 2023  
[Signature]  
MELISSA F. LANGE  
ILLINOIS REG. STRUCTURAL ENGINEER NO. 081-006488  
EXPIRATION DATE 11-30-2024  
SHEET 19 TO 41

**ENGINEERING RESOURCE ASSOCIATES, INC.**  
36701 WEST AVENUE, SUITE 150  
WARRENVILLE, IL 60555  
(630) 393-3060

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7-8	SCHEDULE OF QUANTITIES
9	ALIGNMENT, TIES, & BENCHMARKS
10	REMOVAL PLAN
11-12	PLAN AND PROFILE
13	TRAFFIC CONTROL PLAN
14	EROSION CONTROL PLAN
15	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
16	SIGNAGE & LANDSCAPING PLAN
17-39	STRUCTURAL SHEETS
40-41	DISTRICT DETAILS
42-48	CROSS SECTIONS

## IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATES FOR BRIDGES
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631032-10	TRAFFIC BARRIER TERMINAL, TYPE 6A
635001-02	DELINEATORS
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 23-4	TRAFFIC BARRIER TERMINAL, TYPE 1

## DISTRICT 3 STANDARDS

280-1	EROSION CONTROL DETAILS FOR SILT FENCE
406-8	HMA DETAIL AT BUTT JOINTS
782-3	REFLECTOR MOUNTING DETAIL FOR STEEL RAILING

## COMMITMENTS

- ONCE THE STEEL FABRICATOR IS DETERMINED, THE COUNTY WILL SUBMIT A LETTER TO THE BUREAU OF BRIDGES AND STRUCTURES (BBS) REQUESTING THE DEPARTMENT TO PERFORM THE STEEL FABRICATION INSPECTION. THE LETTER SHALL INCLUDE THE FOLLOWING:
  - JOB INFORMATION (STRUCTURE NUMBER, ROUTE, SECTION, COUNTY, IDOT CONTRACT # IF APPLICABLE, C-# IF APPLICABLE).
  - POINT OF CONTACT FOR QUESTIONS AND WHO TO SEND REPORTS TO AT JOB COMPLETION; NAME, CONTACT AND LOCATION FOR FABRICATOR AND PRIME CONTRACTOR.
  - THE APPROXIMATE START DATE AND DURATION IF KNOWN.
- THE NATURAL RESOURCE REVIEW FOR THE ENDANGERED SPECIES ACT - SECTION 7 AND THE ILLINOIS ENDANGERED SPECIES PROTECTION AND ILLINOIS NATURAL AREAS PRESERVATION - PART 1075 IDENTIFIED THE POTENTIAL PRESENCE OF THE TRICOLORED BAT, THE NORTHERN LONG-EARED BAT OR INDIANA BAT WITHIN THE PROJECT AREA. DUE TO THE POTENTIAL PRESENCE OF THESE SPECIES WITHIN THE PROJECT LIMITS, TREES LARGER THAN THREE (3) INCHES DIAMETER AT BREAST HEIGHT (DBH) SHALL NOT BE CLEARED FROM APRIL 1ST TO SEPTEMBER 30TH IN ORDER TO AVOID POTENTIAL IMPACTS TO THOSE SPECIES. ALL TREE REMOVALS SHALL BE PERFORMED TO MEET THE NOTED TIME PERIOD REQUIREMENTS IN ORDER TO MEET SECTION 7 SIGNOFF REQUIREMENTS. TREE REMOVALS SHALL BE COMPLETED BY OTHERS AS REQUIRED TO COMPLETE THE WORK.

## GENERAL NOTES

- ALL REFERENCES TO THE COUNTY OR OWNER SHALL BE INTERPRETTED AS DEKALB COUNTY.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.
- WHERE SECTIONS OR SUBSECTION MONUMENTS ARE ENCOUNTERED. THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROJECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT OF WAY PINS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKERS, SECTION OR SUBSECTION MONUMENTS UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE PLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITIES DURING DAYLIGHT HOURS ONLY.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE, SEE THE RECORD PLANS CONTAINED WITHIN THE STRUCTURAL SHEETS.

## EARTHWORK & ROADWAY

- ALL SAW CUTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL ITEMS.
- THE CONTRACTOR SHALL NOT CROSS COMPLETED SURFACE COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
- DAMAGE TO PAVEMENT OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFIED TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- THE CONTRACTOR'S OPERATIONS SHALL NOT INCONVENIENCE THE PUBLIC OR INTERFERE WITH THE ABILITY OF THE LOCAL RESIDENTS TO UTILIZE THEIR PRIVATE DRIVEWAYS LOCATED ADJACENT TO THE SOUTHERN PROJECT LIMITS.
- THE SUBGRADE SHALL BE KEPT DRAINED DURING CONSTRUCTION THE PAVEMENT STRUCTURE. THE CONTRACTOR SHALL FACILITATE SURFACE DRAINAGE BY CUTTING WEEPS IN THE SUBGRADE OR ADJACENT TERRAIN AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES AN NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- MATERIAL EXCAVATED FROM THE CHANNEL SHALL NOT BE RETURNED TO THE WATERWAY.
- GRADING AND SHAPING DITCHES WILL NOT BE PAID FOR SEPARATELY AND SHOULD BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ALL SUBSURFACE DRAINS AND/OR FIELD TILES ENCOUNTERED IN THE ROADWAY EXCAVATION SHALL BE REMOVED AND IS CONSIDERED TO BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING THE EXISTING SUBSURFACE DRAINS OR CONNECTING TO THE PROPOSED DITCH AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. THIS WORK SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS. ALL EXCESS, EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE ON THE DAY IT IS EXCAVATED. HAULING OR TRUCKING THE MATERIAL TO LOCATIONS OUTSIDE OF THE PROJECT LIMITS SHALL BE PROVIDED BY THE CONTRACTOR.
- AN ALLOWANCE FOR AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED IN THE CONTRACT.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THIS SOIL WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF TOPSOIL EXCAVATION & PLACEMENT.

## MISCELLANEOUS

- ALL WASTE MATERIAL SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT, BEGINNING CONSTRUCTION AND ORDERING MATERIALS.
- WHERE PROPOSED WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE OF THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS/HER EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL DISTURED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE SEEDED. SEED LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.
- EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WELLS, CISTERN, WALLS, OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 AND 501.05 OF THE STANDARD SPECIFICATIONS, WITHOUT ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
- ALL TYPE I AND II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH.
- FOR STEEL BAR CERTIFICATION, PLEASE CONTACT IDOT BUREAU OF MATERIALS AT 815-433-7100.

## UTILITIES

- THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT THEIR OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OR ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSE BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED IN ACCORDANCE WITH ARTICLE 105.07.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COOPERATE WITH THE COUNTY AND STATE IF ANY UNDERGROUND IMPROVEMENTS ARE REQUIRED BY THE COUNTY OR CITY WITHIN THE DURATION OF THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES LISTED BELOW, PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL CORPORATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

## UTILITY CONTACTS

ENTITY	CONTACT PERSON	PHONE NUMBER	EMAIL ADDRESS
AT&T METRO/TCA	TIM LAPOINTE	301-882-8726	TL0695@ATT.COM
AT&T TRANSMISSION	EDWARD TILTON	779-231-2382	EDWARD.TILTON@KCI.COM
COMED	JOSE CUEVAS	815-780-7570	JOSE.CUEVAS@COMED.COM
FRONTIER COMMUNICATIONS	JOHN GILLOTT	815-716-3646	JOHN.GILLOTT@FTR.COM
MEDIACOM	MICHAEL WRIGHT		MWRIGHT1@MEDIACOMCC.COM

## RATES OF APPLICATION

HOT MIX ASPHALT	112 LBS/SY-INCH
BITUMINOUS MATERIALS (PRIME COAT) (ON GRAVEL)	0.25 LBS/SF
BITUMINOUS MATERIALS (TACK COAT) (BETWEEN LIFTS)	0.025 LBS/SF (NEW) & 0.05 LB/SF (MILLED)
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE / APPLICATION
FERTILIZER	90 LB/ACRE

MODEL: Default\_V:\Data\SubCityHighway\Department\W22087\_00\_Pritchard Road Bridge\CADD\_08D101\_Roadway\03\_Sheet\01\_Cover & General Notes\W22087-zh-egenote.dgn



USER NAME = kkalodziejczyk	DESIGNED - T. STENSLIK	REVISED - 04/26/2024
	DRAWN - T. STENSLIK	REVISED -
PLOT SCALE = 20.000' / in.	CHECKED - M. LANGE	REVISED -
PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES  
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK

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

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	2
			CONTRACT NO. 87818	
			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEMS	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					80% FEDERAL, 20% LOCAL	
					BRIDGE	
					0010	
					SN019-5430	
	20101100	TREE TRUNK PROTECTION	EACH	1		1
	20200100	EARTH EXCAVATION	CU YD	190		190
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	295		295
	20300100	CHANNEL EXCAVATION	CU YD	524		524
	20400800	FURNISHED EXCAVATION	CU YD	665		665
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,810		1,810
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	250		250
	25000200	SEEDING, CLASS 2	ACRE	0.75		0.75
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50		50
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	50		50
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50		50
	25100115	MULCH, METHOD 2	ACRE	3.50		3.50
	25100630	EROSION CONTROL BLANKET	SQ YD	2,687		2,687
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	340		340
	28000305	TEMPORARY DITCH CHECKS	FOOT	30		30
	28000400	PERIMETER EROSION BARRIER	FOOT	1,718		1,718
	28100107	STONE RIPRAP, CLASS A4	SQ YD	550		550
	28200200	FILTER FABRIC	SQ YD	550		550
	30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	1,268		1,268
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2,960		2,960
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	620		620
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	135		135
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	183		183
	44000100	PAVEMENT REMOVAL	SQ YD	830		830
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	703		703
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	58		58
	48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	360		360
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
	50200100	STRUCTURE EXCAVATION	CU YD	131		131

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USER NAME = kkafozdziejczyk  
 PLOT SCALE = 20.000' / in.  
 PLOT DATE = 4/29/2024

DESIGNED - T. STENSLIK  
 DRAWN - T. STENSLIK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

REVISED - 04/26/2024  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
 PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	3
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEMS	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					80% FEDERAL, 20% LOCAL	BRIDGE
					0010	
					SN019-5430	
	50300225	CONCRETE STRUCTURES	CU YD	53.5		53.5
	50300255	CONCRETE SUPERSTRUCTURES	CU YD	120.0		120.0
	50300260	BRIDGE DECK GROOVING	SQ YD	331		331
	50300300	PROTECTIVE COAT	SQ YD	368		368
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
	50500505	STUD SHEAR CONNECTORS	EACH	1,380		1380
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	31,390		31,390
X	50901050	STEEL RAILING, TYPE SM	FOOT	199		199
	51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	360		360
	51202305	DRIVING PILES	FOOT	360		360
	51203200	TEST PILE METAL SHELLS	EACH	2		2
	51204650	PILE SHOES	EACH	10		10
	51500100	NAME PLATES	EACH	1		1
	52100520	ANCHOR BOLTS, 1"	EACH	20		20
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	195		195
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	103		103
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2		2
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	157		157
X	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2		2
X	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4		4
X	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2		2
	67100100	MOBILIZATION	L SUM	1		1
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5		5
X	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
X	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10		10
	X0322278	RODENT SHIELDS	EACH	2		2
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1

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USER NAME = krolodziejczyk  
 PLOT SCALE = 20.000' / in.  
 PLOT DATE = 4/29/2024

DESIGNED - T. STENSLIK  
 DRAWN - T. STENSLIK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

REVISED - 04/26/2024  
 REVISED -  
 REVISED -  
 REVISED -

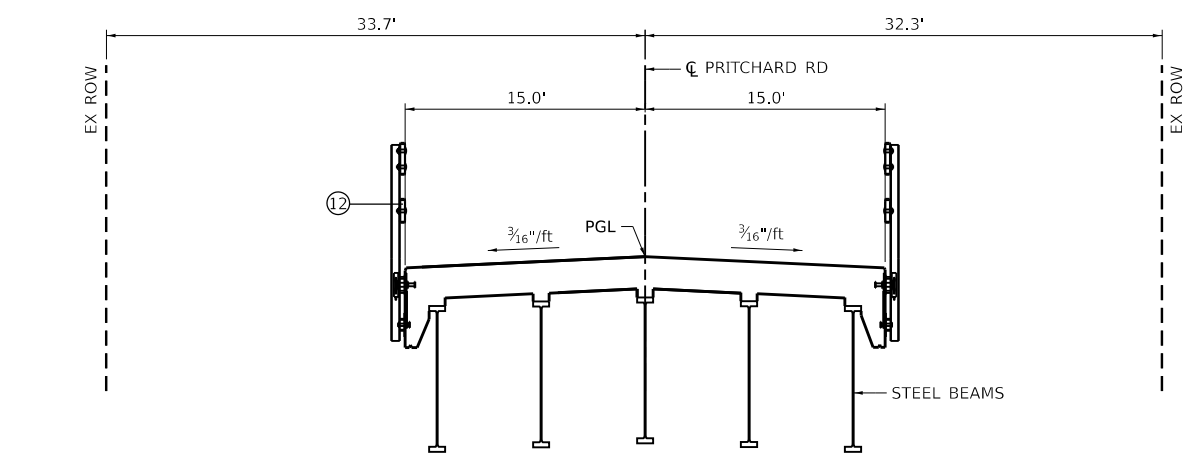
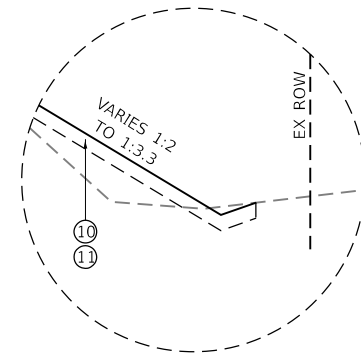
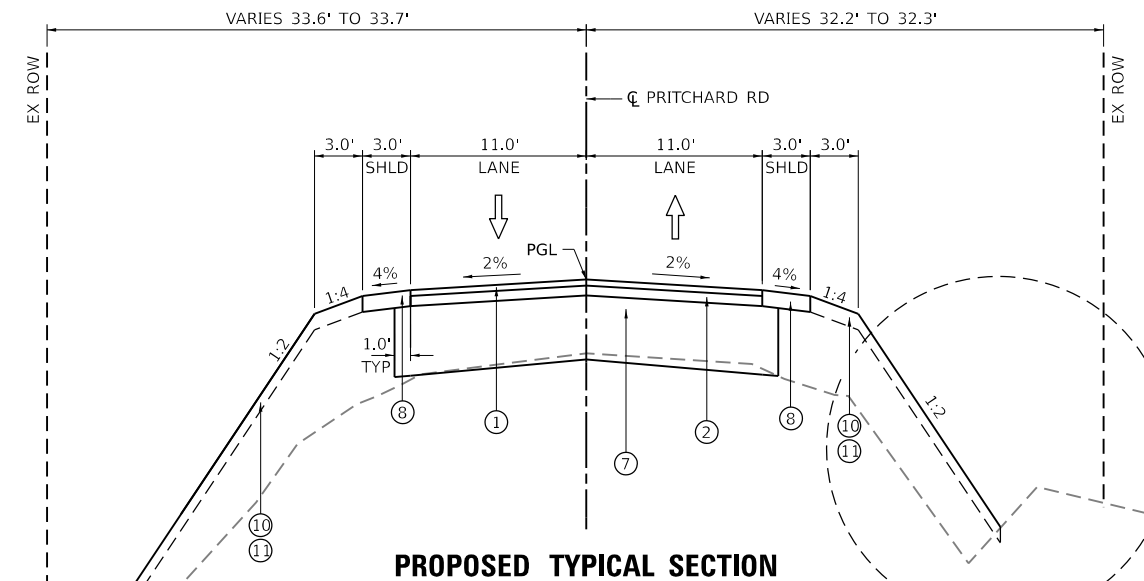
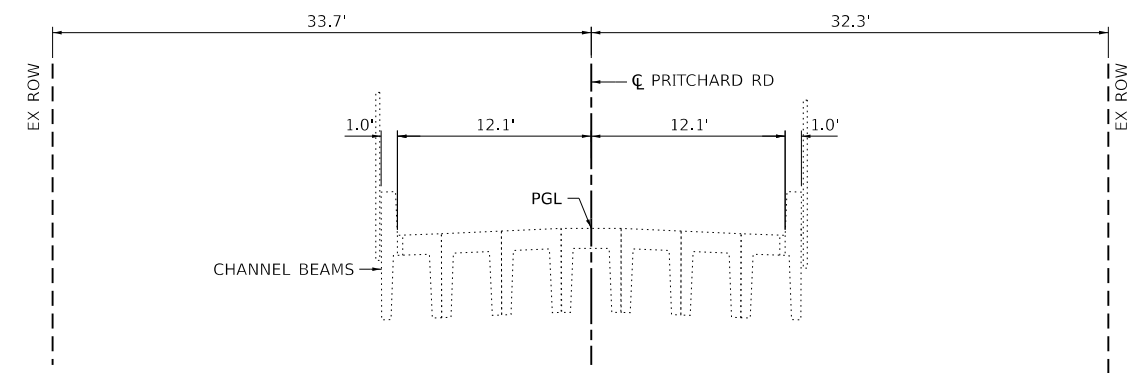
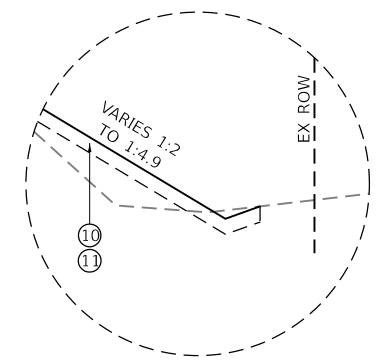
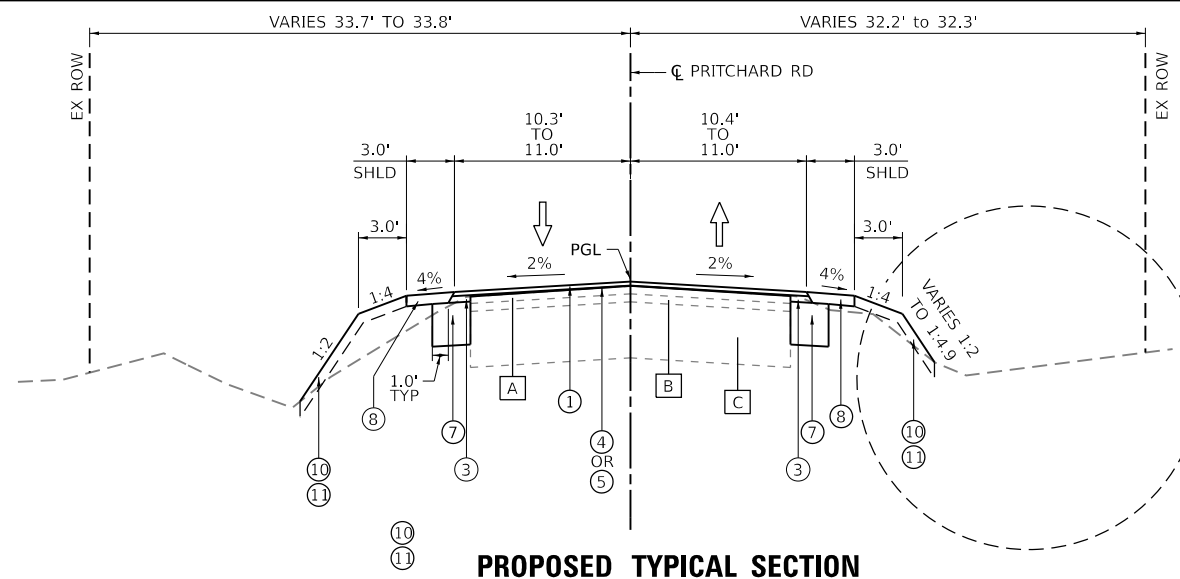
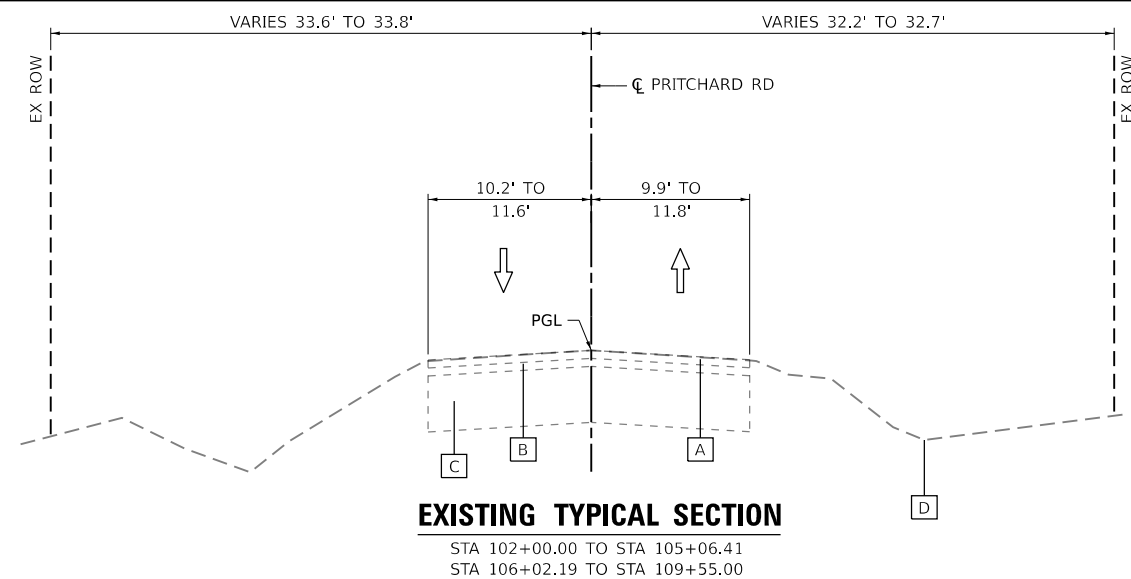
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
**PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

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

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	4
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	





**EXISTING LEGEND**

- A HMA SURFACE PAVEMENT, 2" WITH FABRIC INTERLAYER
- B SUBBASE STONE, 2"
- C SUBBASE STONE, 14"
- D EXISTING GROUND

**PROPOSED LEGEND**

- 1 HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"
- 2 HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 2 1/2" (RECONSTRUCTION)
- 3 HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2" (PAVEMENT WIDENING STRIP)
- 4 HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, VARIABLE DEPTH (RESURFACING, SEE NOTE 1)
- 5 HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, VARIABLE DEPTH (RESURFACING, SEE NOTE 1)
- 6 HOT MIX ASPHALT SHOULDERS, 4"  
HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"  
HOT MIX ASPHALT BINDER COURSE, IL19.0, N50, 2 1/2"
- 7 AGGREGATE SUBGRADE IMPROVEMENT, 16" (SEE NOTE 2)
- 8 AGGREGATE SHOULDERS, TYPE B, 4" (SEE NOTE 3)
- 9 TRAFFIC BARRIER TERMINAL, TYPE 1, TYPE 2, OR TYPE 6A
- 10 TOPSOIL EXCAVATION AND PLACEMENT, 4"
- 11 SEEDING, CLASS 2 WITH EROSION CONTROL BLANKET, TEMPORARY SEEDING & FERTILIZER
- 12 STEEL RAILING, TYPE SM

**NOTES:**

1. HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 SHALL NOT BE PLACED AT LOCATIONS WHERE THE LIFT THICKNESS IS LESS THAN 2.25". AT ALL LOCATIONS WHERE A LIFT THICKNESS LESS THAN 2.25" IS REQUIRED, SURFACE COURSE IL-9.5 SHALL BE USED.  
SURFACE COURSE, IL-9.5 VAR. DEPTH STA. 102+00 TO STA. 103+50; AND STA. 108+22 TO STA. 109+55  
BINDER COURSE, IL-19.0, VAR. DEPTH STA. 108+00 TO STA. 108+22
2. THE AGGREGATE SUBGRADE IMPROVEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON AND SHALL BE PLACED TO THE THICKNESS SPECIFIED.
3. THE AGGREGATE SHOULDER, TYPE B, 4" WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON AND SHALL BE PLACED A MINIMUM THICKNESS OF 4".

**BASED UPON AASHTO MAXIMUM RELATIVE SLOPE FOR DESIGN SPEED = 30 MPH**  
 SHLD TRANSITION (26-FT FOR 1.56% TO 4% CROSS SLOPE):  
 STA 104+57 TO STA 104+83 (RT) STA 104+74 TO STA 105+00 (LT)  
 STA 105+88 TO STA 106+14 (RT) STA 106+05 TO STA 106+31 (LT)

**LANE TRANSITION (8-FT FOR 1.56% TO 2% CROSS SLOPE):**  
 STA 104+79 TO 104+87  
 STA 106+00 TO 106+08

MODEL: D:\default\...  
 FILE NAME: ...  
 PROJECT: ...  
 SHEET: ...



USER NAME	DESIGNED - T. STENSLIK	REVISED - 04/26/2024
DRAWN - T. STENSLIK	REVISED -	
PLOT SCALE = 12,000' / in.	CHECKED - M. LANGE	REVISED -
PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISED -

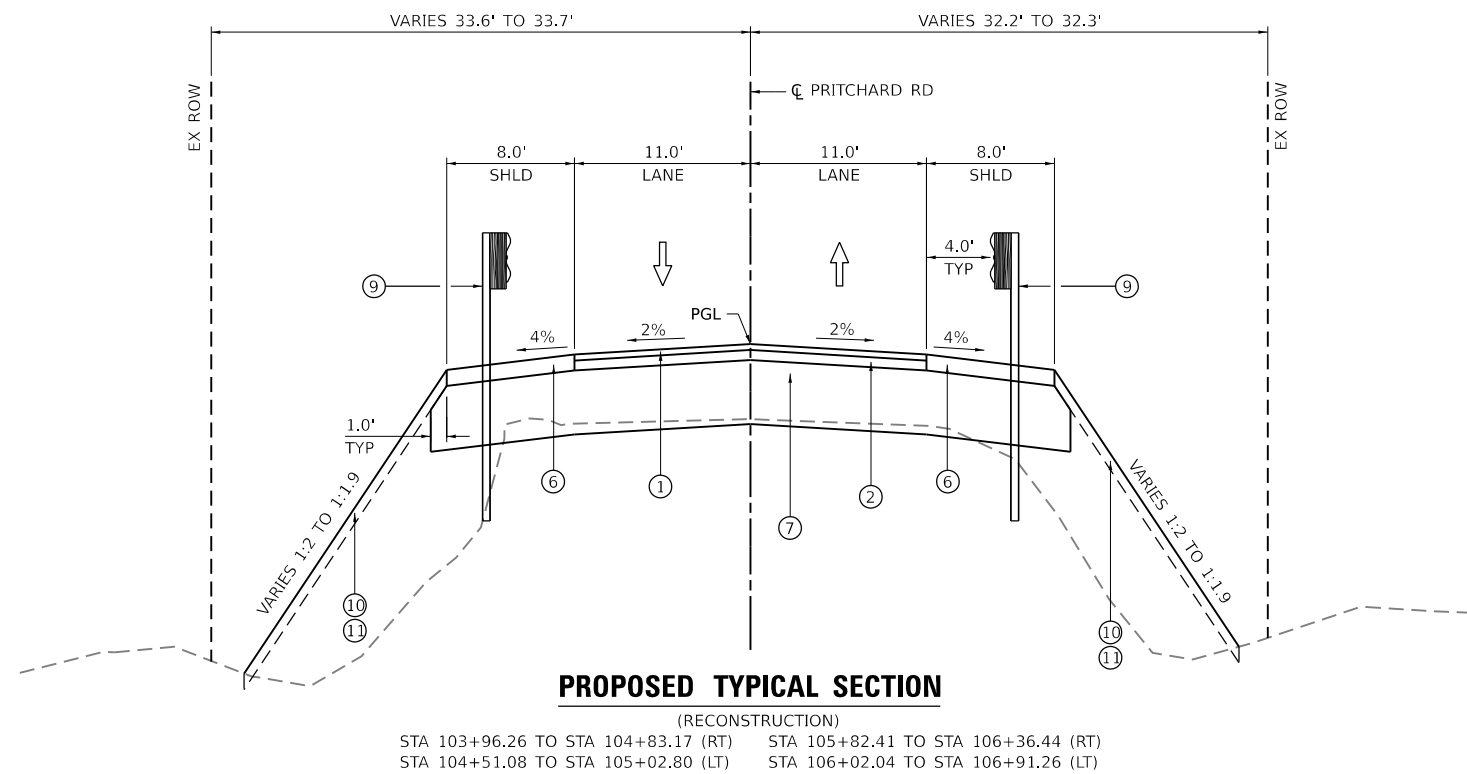
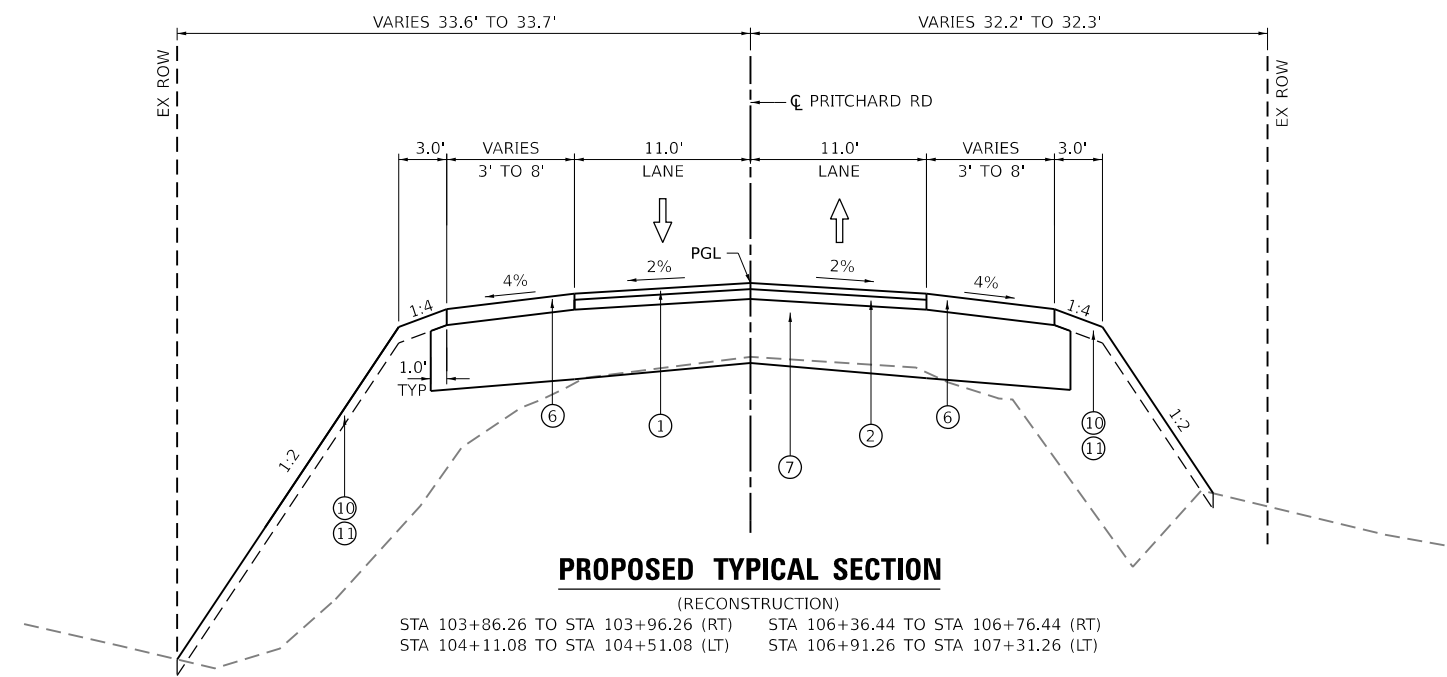
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
<b>PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK</b>			
SCALE: N.T.S.	SHEET 1	OF 2 SHEETS	STA. N/A TO STA. N/A

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87818	

### HOT-MIX ASPHALT REQUIREMENTS

LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA SHOULDER BOTTOM LIFT	HMA SHOULDER TOP LIFT
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION):	IL-19.0	IL 9.5	IL-19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE C		
MIXTURE WEIGHT:	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES	CORES	CORES
MATERIAL TRANSFER DEVICE (REQUIRED):	NO	NO	NO	NO



**NOTES:**

- HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 SHALL NOT BE PLACED AT LOCATIONS WHERE THE LIFT THICKNESS IS LESS THAN 2.25". AT ALL LOCATIONS WHERE A LIFT THICKNESS LESS THAN 2.25" IS REQUIRED, SURFACE COURSE IL-9.5 SHALL BE USED.  
 SURFACE COURSE, IL-9.5 VAR. DEPTH STA. 102+00 TO STA. 103+50; AND STA. 108+22 TO STA. 109+55  
 BINDER COURSE, IL-19.0, VAR. DEPTH STA. 108+00 TO STA. 108+22
- THE AGGREGATE SUBGRADE IMPROVEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON AND SHALL BE PLACED TO THE THICKNESS SPECIFIED.
- THE AGGREGATE SHOULDER, TYPE B, 4" WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON AND SHALL BE PLACED A MINIMUM THICKNESS OF 4".

**PROPOSED LEGEND**

- HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"
- HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 2 1/2" (RECONSTRUCTION)
- HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2" (PAVEMENT WIDENING STRIP)
- HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, VARIABLE DEPTH (RESURFACING, SEE NOTE 1)
- HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, VARIABLE DEPTH (RESURFACING, SEE NOTE 1)
- HOT MIX ASPHALT SHOULDERS, 4"  
 HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"  
 HOT MIX ASPHALT BINDER COURSE, IL19.0, N50, 2 1/2"
- AGGREGATE SUBGRADE IMPROVEMENT, 16" (SEE NOTE 2)
- AGGREGATE SHOULDERS, TYPE B, 4" (SEE NOTE 3)
- TRAFFIC BARRIER TERMINAL, TYPE 1, TYPE 2, OR TYPE 6A
- TOPSOIL EXCAVATION AND PLACEMENT, 4"
- SEEDING, CLASS 2 WITH EROSION CONTROL BLANKET, TEMPORARY SEEDING & FERTILIZER
- STEEL RAILING, TYPE SM

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USER NAME	DESIGNED - T. STENSLIK	REVISED - 04/26/2024
DRAWN - T. STENSLIK	REVISIONS	
PLOT SCALE = 12,000' / in.	CHECKED - M. LANGE	REVISIONS
PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK		230	19-17129-00-BR	DEKALB	48	6
SCALE: N.T.S.		SHEET 1 OF 2 SHEETS		STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT

EARTHWORK SCHEDULE														
STA TO STA		LENGTH	END AREAS					20200100			20400800	21101505	TOPSOIL TO BE PLACED	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
			EARTH EXCAVATION	EMBANKMENT (SUITABLE FILL)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	EARTH EXCAVATION	EARTH EX ADJ (15 %)	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL TO BE PLACED	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)	
			(SF)	(SF)	(SF)	(SF)	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	
102+00	102+50	50	4.7	0.0	5.4	3.4	8.7	7.4	1.6	5.8	11.8	7.6	4.2	
102+50	103+00	50	4.7	1.7	7.3	4.8	9.9	8.5	9.0	-0.5	15.0	10.5	4.5	
103+00	103+50	50	6.0	8.0	8.9	6.6	6.0	5.1	21.0	-15.9	17.1	12.6	4.4	
103+50	RESURFACING TO RECON.		0.5	14.7			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
103+50	104+00	50	28.9	16.9	9.6	7.1	34.5	29.3	64.5	-35.2	20.7	14.7	6.0	
104+00	104+50	50	8.3	52.7	12.8	8.8	7.7	6.6	115.9	-109.4	24.8	15.9	8.9	
104+50	104+83	33	0.0	72.5	14.1	8.4	15.2	12.9	80.4	-67.5	17.6	8.2	9.4	
104+83	105+00	17	24.7	58.5	14.6	4.9	8.0	6.8	30.8	-24.0	6.9	3.1	3.8	
105+00	105+05	5	0.9	40.2	7.4	4.9	0.5	0.4	4.5	-4.1	1.2	0.5	0.7	
105+05			4.3	7.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BRIDGE LIMITS AT ROADWAY CL: STA. 104+94.14 TO STA. 105+93.38 (SEE STRUCTURE EXCAVATION AND CHANNEL EXCAVATION)														
105+82	106+00	18	1.3	26.8	4.3	0.0	0.4	0.4	16.0	-15.6	3.7	1.4	2.2	
106+00	106+04	4	0.1	22.2	7.0	4.4	0.7	0.6	9.2	-8.6	1.7	0.7	1.0	
106+04	106+50	46	8.3	92.1	13.8	4.4	7.0	6.0	156.4	-150.4	23.7	11.2	12.5	
106+50	107+00	50	0.0	93.0	14.3	8.9	5.5	4.7	139.8	-135.1	24.3	15.5	8.8	
107+00	107+50	50	6.0	58.0	12.0	7.9	21.1	17.9	73.8	-55.9	19.9	13.4	6.4	
107+50	108+00	50	16.8	21.7	9.5	6.6	39.4	33.5	33.8	-0.3	16.7	11.7	5.1	
108+00	RESURFACING TO RECON.		25.8	14.8			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
108+00	108+50	50	3.3	14.5	8.6	6.0	6.3	5.3	26.3	-20.9	15.5	10.7	4.7	
108+50	109+00	50	3.5	13.9	8.1	5.6	6.8	5.8	24.1	-18.4	14.4	10.0	4.4	
109+00	109+50	50	3.8	12.1	7.4	5.2	6.7	5.7	13.2	-7.5	11.9	7.9	3.9	
109+50	109+55	5	3.3	2.1	5.4	3.4	0.8	0.7	0.2	0.5	0.7	0.5	0.3	
109+55			5.0	0.0	2.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL							185.2	157.4	820.6	-663.2	247.5	156.3	91.2	
ADJUSTED							190	160	825	665	250	160	95	

**EARTHWORK NOTES:**

- EARTH EXCAVATION, STOCKPILE (IF REQUIRED) AND SUBSEQUENT PLACEMENT (WHEN APPLICABLE) SHALL ONLY BE MEASURED AND PAID FOR ONCE, NOT EACH TRANSPORT. ALL STOCKPILES TO BE APPROVED OF BY ENGINEER.
- EXISTING TOPSOIL EXCAVATION SHALL BE MEASURED IN PLACE AND PAID PER CUBIC YARD AS "TOPSOIL EXCAVATION AND PLACEMENT". EXISTING TOPSOIL IS ASSUMED TO BE SUITABLE FOR PROPOSED TOPSOIL. AN ASSUMED DEPTH OF 4" WAS USED TO CALCULATE EXISTING TOPSOIL.
- TOPSOIL STRIPPED IN EXCESS OF THAT REQUIRED FOR THE CONTRACT, SHALL BE REMOVED PER ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN THE COST OF THE INITIAL "TOPSOIL EXCAVATION AND PLACEMENT".

**UNDERCUT NOTES:**

- UNDERCUTS WILL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."
- THE PROPOSED EMBANKMENT GRADING WILL INCLUDE FILLING THE EXISTING DITCHES. LOW STRENGTH, UNSUITABLE SOILS MAY BE ENCOUNTERED AT THE BASE. POOR SOILS SHALL BE UNDERCUT AND REMOVED. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHOULD BE PLACED AT ANY UNDERCUTS. A NOMINAL QUANTITY HAS BEEN INCLUDED IN THE CONTRACT.

PAVEMENT SCHEDULE								
STA TO STA		30300011	40600275	40600290	40603080	40604050	48101200	48203013
		AGGREGATE SUBGRADE IMPROVEMENT	BITUMINOUS MATERIAL (PRIME COAT)	BITUMINOUS MATERIAL (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS, 4"
		(TON)	(POUND)	(POUND)	(TON)	(TON)	(TON)	(SQ YD)
102+00	102+50	12.6	41.1	53.8	1.1	13.4	6.7	0.0
102+50	103+00	20.8	48.8	55.0	1.3	17.8	6.7	0.0
103+00	103+50	33.7	48.8	55.0	1.3	22.7	6.7	0.0
103+50	104+00	124.9	300.0	34.4	17.1	10.3	3.8	30.5
104+00	104+50	163.7	393.8	43.4	17.1	10.3	0.7	70.7
104+50	105+00	171.2	424.8	41.4	15.1	9.1	0.0	75.7
105+00	105+50	8.2	6.0	0.6	0.0	0.0	0.0	2.5
105+50	106+00	29.4	68.1	6.7	2.2	1.4	0.0	13.6
106+00	106+50	190.7	483.1	47.1	17.1	10.3	0.0	87.0
106+50	107+00	163.9	393.8	40.9	17.1	10.3	1.6	59.7
107+00	107+50	126.4	300.0	31.9	17.1	10.3	4.6	19.5
107+50	108+00	118.2	300.0	27.5	17.1	10.3	6.7	0.0
108+00	108+50	39.2	50.2	67.1	8.9	17.3	6.7	0.0
108+50	109+00	37.9	50.0	55.0	1.4	21.3	6.7	0.0
109+00	109+55	26.2	46.1	59.4	0.0	18.0	7.3	0.0
TOTAL =		1267.0	2954.4	619.1	134.0	182.5	58.0	359.1
ADJUSTED TOTAL =		1268	2960	620	135	183	58	360

MODEL: D:\default\...  
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 PROJECT: ...  
 SHEET: ...



USER NAME	■ kkołodziejczyk
PLOT SCALE	■ 20,000' / in.
PLOT DATE	■ 4/29/2024

DESIGNED -	T. STENSLIK	REVISED -	04/26/2024
DRAWN -	T. STENSLIK	REVISED -	
CHECKED -	M. LANGE	REVISED -	
DATE -	12/27/2023	REVISED -	

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

**SCHEDULE OF QUANTITIES**  
**PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

SCALE: N.T.S.    SHEET 1 OF 2 SHEETS    STA. N/A TO STA. N/A

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	7
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	

EROSION CONTROL SCHEDULE							
STA TO STA		LENGTH	25100115	25100630	28000250	28000305	28000400
			MULCH, METHOD 2	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER
			(ACRE)	(SQ YD)	(POUND)	(FOOT)	(FOOT)
102+00	102+50	50	0.27	214.0	26.5	-	150.0
102+50	103+00	50	0.26	211.1	26.2	-	150.0
103+00	103+50	50	0.26	211.1	26.2	-	150.0
103+50	104+00	50	0.24	195.1	24.2	-	150.0
104+00	104+50	50	0.22	180.7	22.4	-	154.9
104+50	105+00	50	0.17	136.5	16.9	-	112.0
105+00	105+50	50	0.03	24.6	3.0	10	58.9
105+50	106+00	50	0.05	41.6	5.2	10	67.0
106+00	106+50	50	0.24	194.9	24.2	10	105.0
106+50	107+00	50	0.26	206.0	25.5	-	110.0
107+00	107+50	50	0.25	202.2	25.1	-	100.0
107+50	108+00	50	0.26	211.2	26.2	-	100.0
108+00	108+50	50	0.26	211.2	26.2	-	100.0
108+50	109+00	50	0.26	211.2	26.2	-	100.0
109+00	109+55	55	0.29	234.9	29.1	-	110.0
TOTAL =			3.33	2686.4	333.0	30	1717.8
ADJUSTED TOTAL =			3.5	2687	340	30	1718

1. TEMPORARY SEEDING AND MULCH METHOD SHALL BE APPLIED 6 TIMES OVER THE PROJECT DURATION AS DIRECTED BY THE ENGINEER.

REMOVAL SCHEDULE				
STA TO STA		44000100	44000157	72400100
		PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	REMOVE SIGN PANEL ASSEMBLY - TYPE A
		(SQ YD)	(SQ YD)	(EACH)
102+00	102+50	0.0	115.1	0
102+50	103+00	0.0	115.2	0
103+00	103+50	0.0	115.1	0
103+50	104+00	115.4	0.0	0
104+00	104+50	115.6	0.0	0
104+50	105+00	120.9	0.0	2
105+00	105+50	16.5	0.0	1
105+50	106+00	1.7	0.0	0
106+00	106+50	114.1	0.0	2
106+50	107+00	115.7	0.0	0
107+00	107+50	114.7	0.0	0
107+50	108+00	114.5	0.0	0
108+00	108+50	0.0	114.8	0
108+50	109+00	0.0	115.0	0
109+00	109+55	0.0	126.8	0
TOTAL =		829.0	702.1	5
ADJUSTED TOTAL =		830	703	5

RESTORATION SCHEDULE						
STA TO STA		LENGTH	25000200	25000400	25000500	25000600
			SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
			(ACRE)	(POUND)	(POUND)	(POUND)
102+00	102+50	50	0.04	4.0	4.0	4.0
102+50	103+00	50	0.04	3.9	3.9	3.9
103+00	103+50	50	0.04	3.9	3.9	3.9
103+50	104+00	50	0.04	3.6	3.6	3.6
104+00	104+50	50	0.04	3.4	3.4	3.4
104+50	105+00	50	0.03	2.5	2.5	2.5
105+00	105+50	50	0.01	0.5	0.5	0.5
105+50	106+00	50	0.01	0.8	0.8	0.8
106+00	106+50	50	0.04	3.6	3.6	3.6
106+50	107+00	50	0.04	3.8	3.8	3.8
107+00	107+50	50	0.04	3.8	3.8	3.8
107+50	108+00	50	0.04	3.9	3.9	3.9
108+00	108+50	50	0.04	3.9	3.9	3.9
108+50	109+00	50	0.04	3.9	3.9	3.9
109+00	109+55	55	0.05	4.4	4.4	4.4
TOTAL =			0.56	50.0	50.0	50.0
ADJUSTED TOTAL =			0.75	50	50	50

MODEL: D:\default\33262\SubCityHighway\Department\W22087\_00 Pritchard Road Bridge\CADD\_08D101\_Roadway\03\_Sheets\04\_Schedule\W22087\_00-SubCityHighway.dgn



USER NAME	= kkołodziejczyk
PLOT SCALE	= 20,000' / in.
PLOT DATE	= 4/29/2024

DESIGNED	- T. STENSLIK
DRAWN	- T. STENSLIK
CHECKED	- M. LANGE
DATE	- 12/27/2023

REVISED	- 04/26/2024
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

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

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	8
ILLINOIS			FED. AID PROJECT	

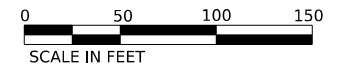
CONTRACT NO. 87818

### CONTROL POINTS

POINT #1	LOCATION	NORTHING	EASTING
1	STA. 103+12.18; OFF -10.15'	1863086.426	905576.122
2	STA. 106+42.71; OFF -10.06	1863416.950	905573.652
3	STA. 110+09.67; OFF 10.05	1863784.061	905590.611
4	STA. 100+00.00; OFF 9.90	1862746.605	905598.016
5	STA. 101+96.09; OFF -10.03	1862970.345	905577.154
6	STA. 104+55.61; OFF 9.50	1863230.005	905594.660
7	STA. 108+05.38; OFF 9.92	1863579.741	905592.264

### COORDINATE TABLE - PRITCHARD RD

LOCATION	ALIGNMENT POINT	NORTHING	EASTING
POT 1	100+00.00	1862774.331	905588.003
POT 2	101+95.13	1862969.460	905587.185
BEGIN IMPROVEMENTS	102+00.00	1862974.329	905587.147
POT 3	107+08.97	1863483.282	905583.198
END IMPROVEMENTS	109+55.00	1863729.305	905581.043
POT 4	111+08.66	1863882.962	905579.697



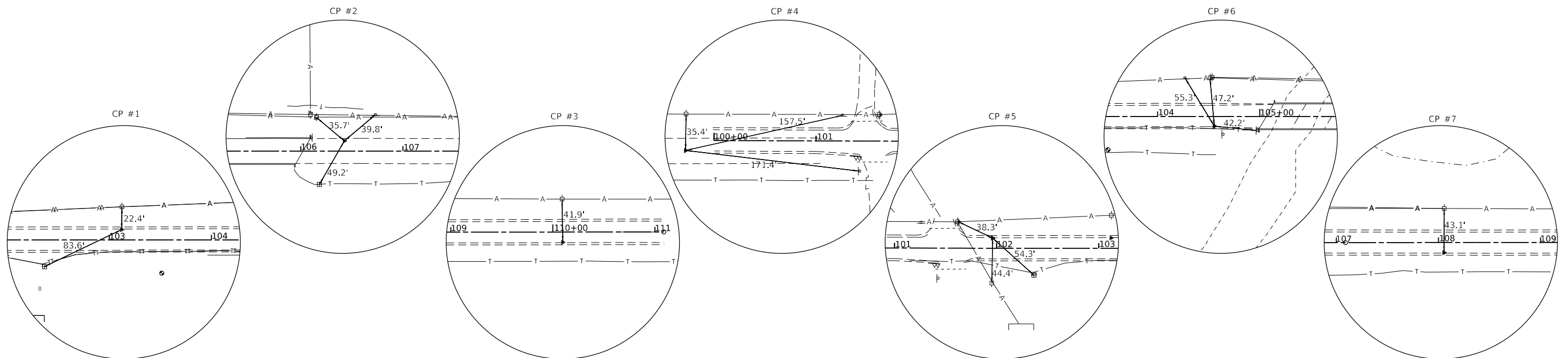
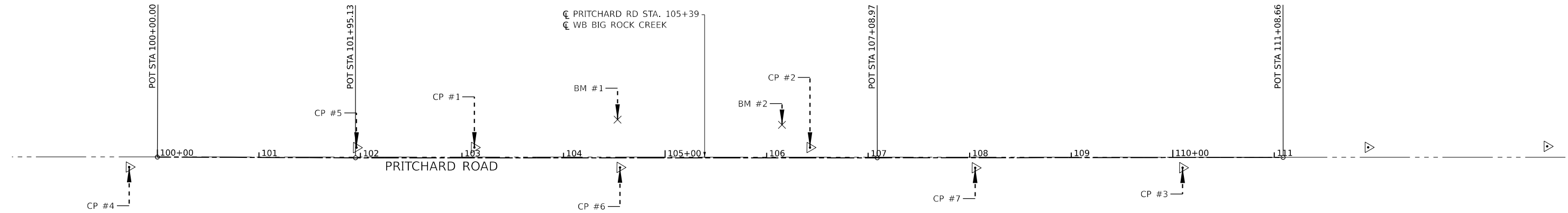
### BENCHMARK LIST

BM #1: STA 104+53.21 -37.54' LT  
 EL. 736.58 - RAILROAD SPIKE IN  
 UTILITY POLE  
 N: 1863227.242 E: 905547.647

BM #2: STA 106+15.14 -32.39' LT  
 EL. 737.19 - RAILROAD SPIKE IN  
 UTILITY POLE  
 N:1863389.205 E: 905551.535

### LEGEND

- ▶ CONTROL POINT
- ✕ BENCHMARK



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 PLOT SCALE = 100,000' / in.  
 PLOT DATE = 4/29/2024

DESIGNED - T. STENSLIK  
 DRAWN - T. STENSLIK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

REVISED - 04/26/2024  
 REVISED -  
 REVISED -  
 REVISED -

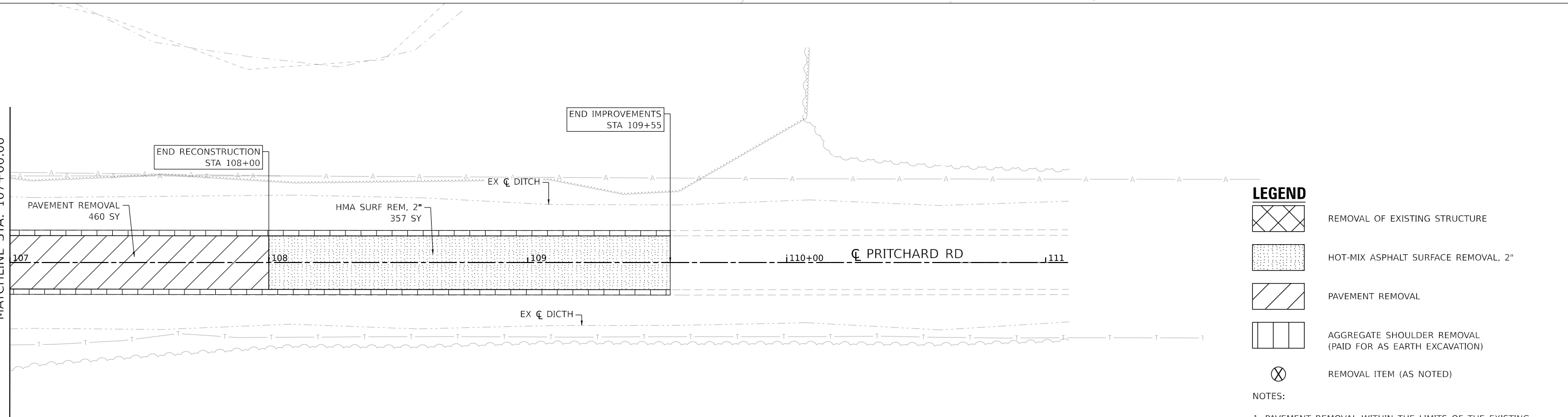
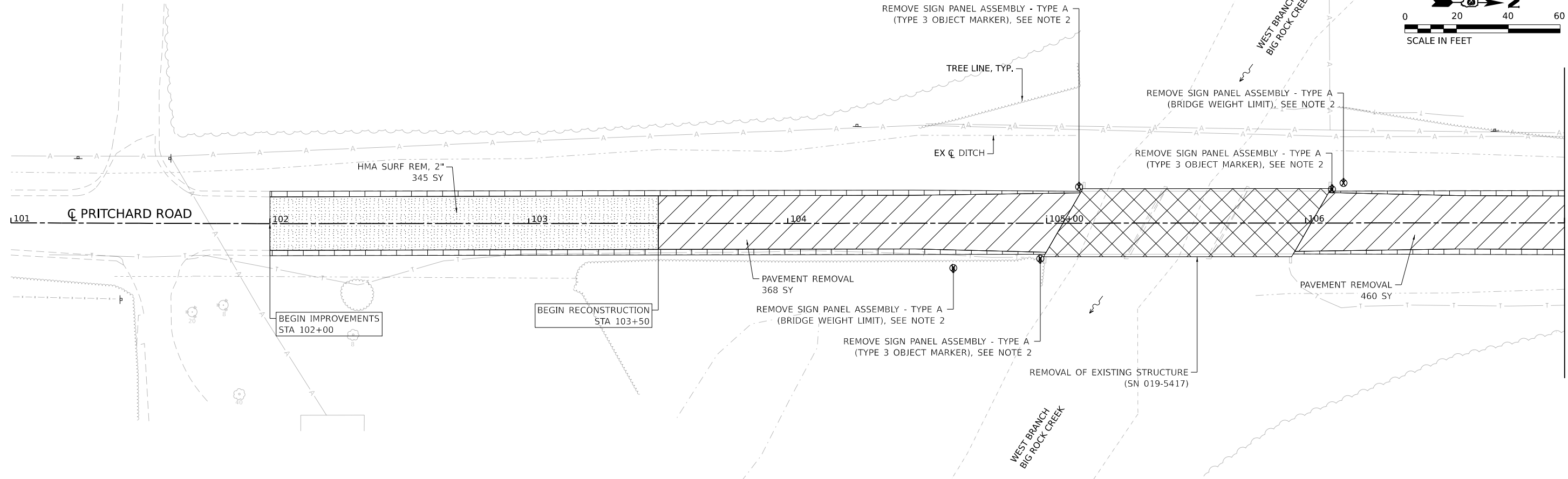
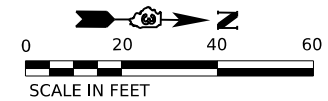
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS  
 PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK

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

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87818	





**LEGEND**

- REMOVAL OF EXISTING STRUCTURE
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- PAVEMENT REMOVAL
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- REMOVAL ITEM (AS NOTED)

- NOTES:**
- PAVEMENT REMOVAL WITHIN THE LIMITS OF THE EXISTING BRIDGE IS INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES.
  - THE TYPE 3 OBJECT MARKERS AND WEIGHT LIMIT SIGNAGE SHALL BE SALVAGED, AND SHALL REMAIN THE PROPERTY OF SQUAW GROVE ROAD DISTRICT. THE CONTRACTOR SHALL REMOVE, STORE, AND PROTECT SALVAGED ITEMS UNTIL RETRIEVED BY THE HIGHWAY COMMISSIONER.

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PLOT SCALE = 0.16666000 ' / in.	DRAWN - T. STENSLIK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 07/28/2023	REVISED -

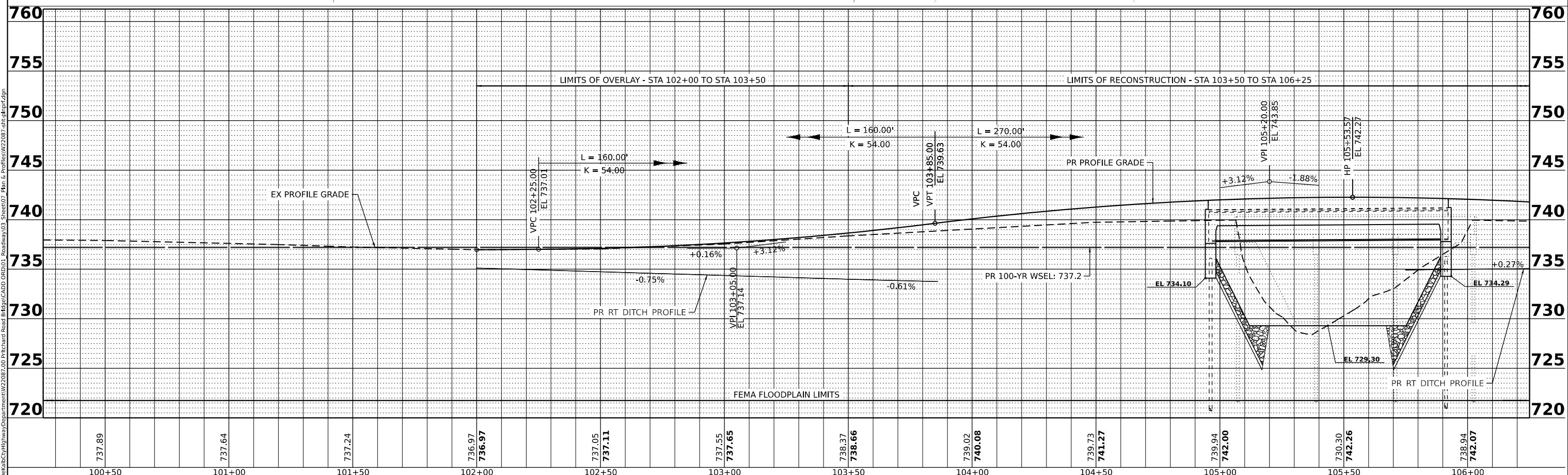
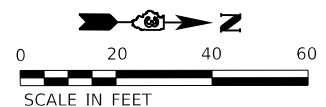
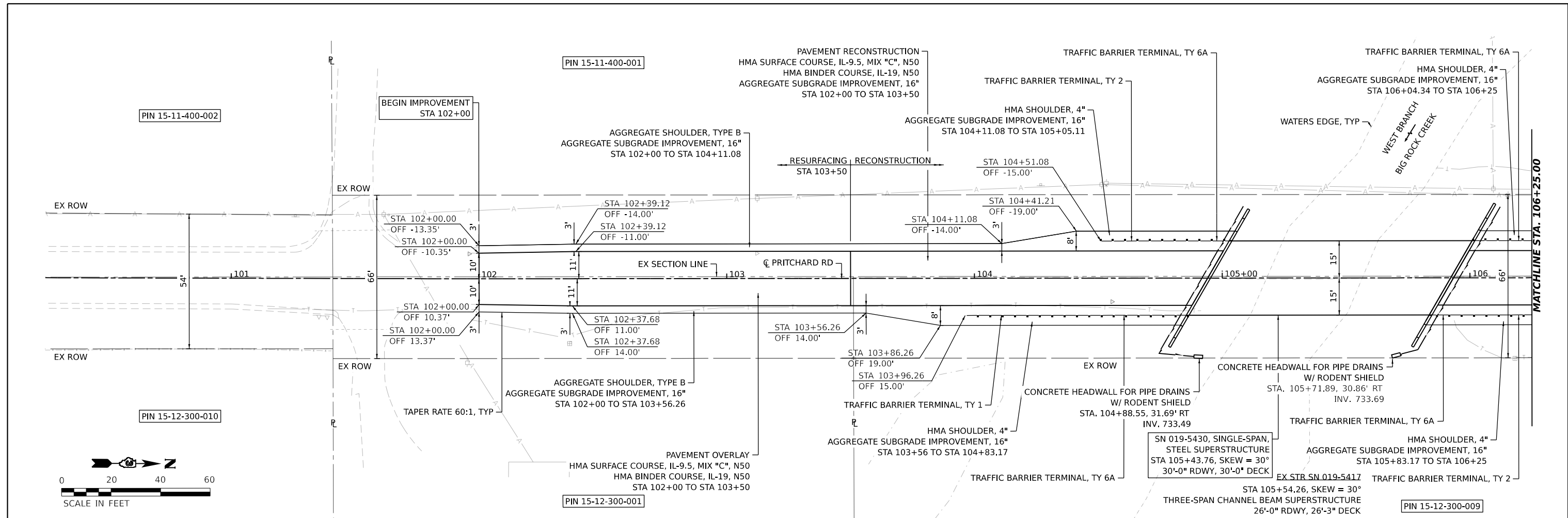
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

SCALE: 1" = 20'    SHEET 1 OF 1 SHEETS    STA. 101+00 TO STA. 111+00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	10
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	

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100+50	101+00	101+50	102+00	102+50	103+00	103+50	104+00	104+50	105+00	105+50	106+00									
737.89	737.64	737.24	736.97	736.97	737.05	737.11	737.55	737.65	738.37	738.66	739.02	740.08	739.73	741.27	739.94	742.00	730.30	742.26	738.94	742.07



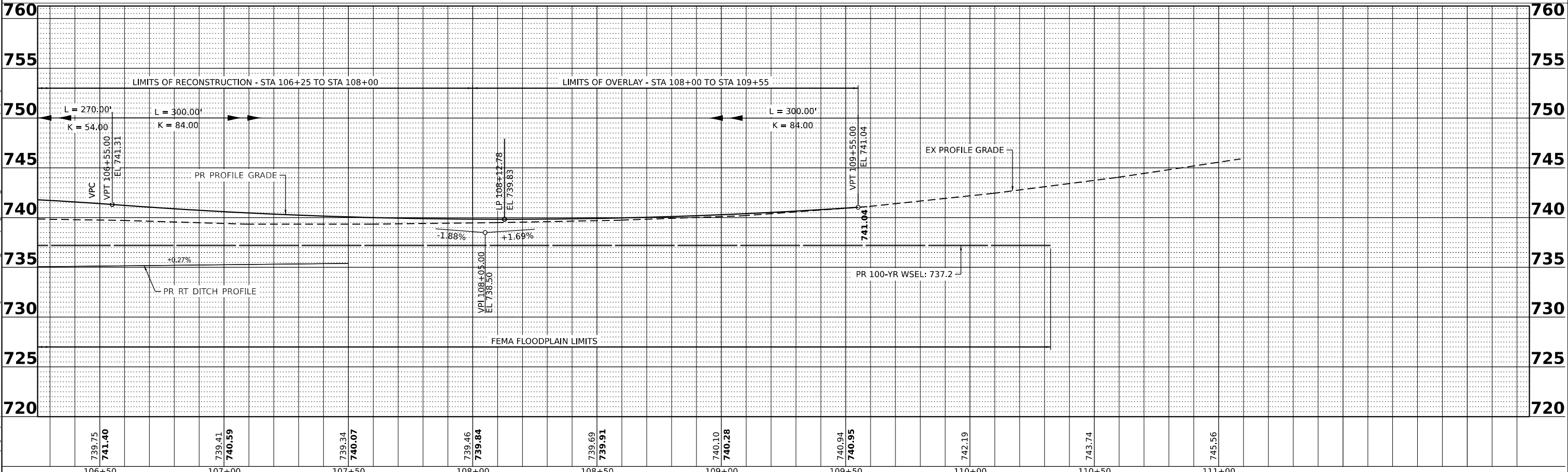
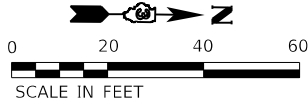
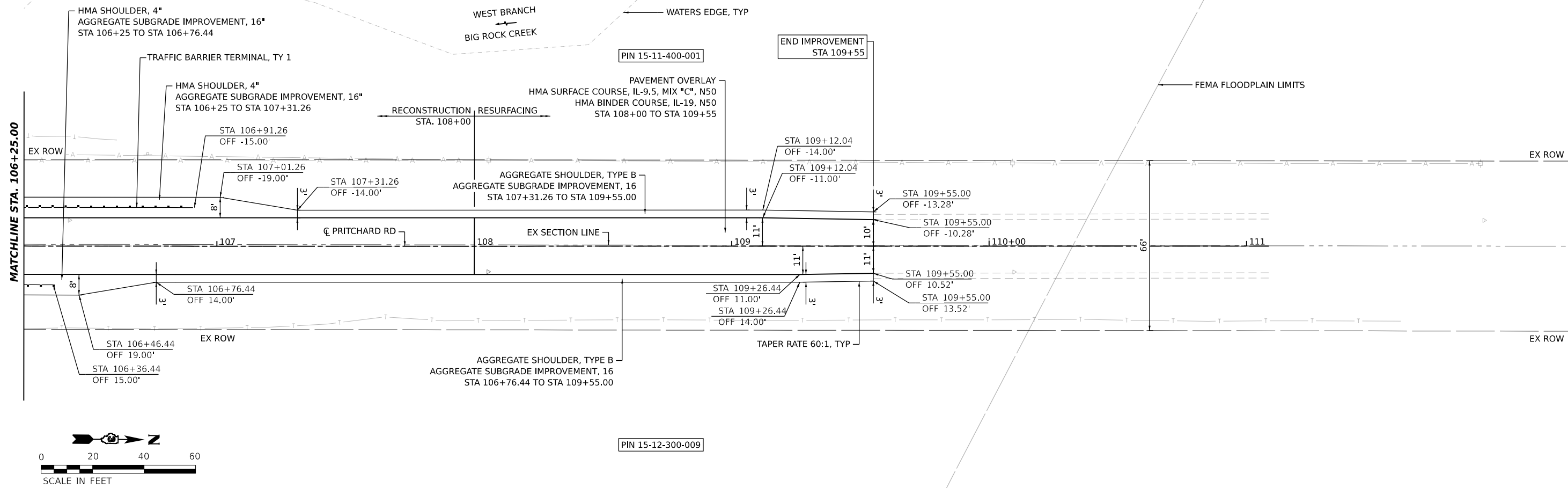
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DESIGNED	T. STENSLIK	REVISED - 04/26/2024
DRAWN	T. STENSLIK	REVISED -
CHECKED	M. LANGE	REVISED -
DATE	07/28/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 100+50.00 TO STA. 106+25.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	11
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	



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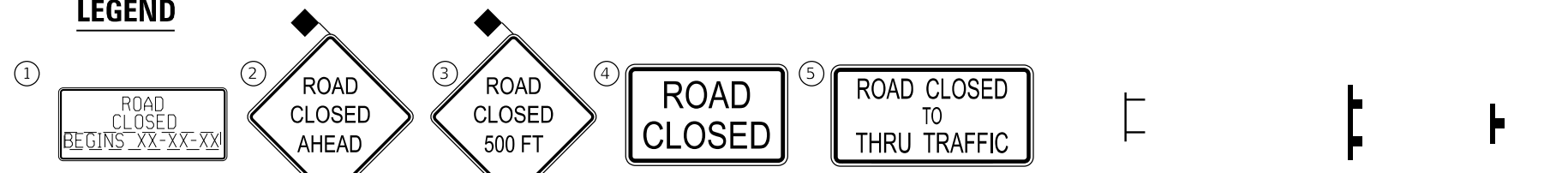
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██████████	T. STENSLIK	04/26/2024
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1" = 40.00'	T. STENSLIK	
PLOT DATE	CHECKED	REVISED
4/29/2024	M. LANGE	
	DATE	REVISED
	07/28/2023	

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

**PLAN AND PROFILE**  
**PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**  
 SCALE: 1"=20'    SHEET 2 OF 2 SHEETS    STA. 106+25.00 TO STA. 111+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	12
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	

**LEGEND**



IDOT D3  
STANDARD 720-10  
(BY OTHERS)

W20-3  
48" X 48"

W20-3  
48" X 48"

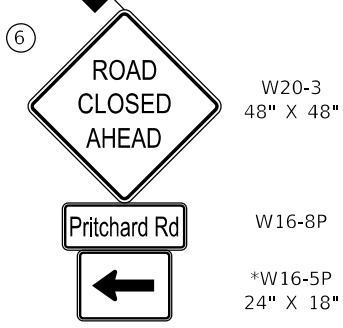
R11-2  
48" X 30"

R11-4  
48" X 30"

TYPE III BARRICADES  
WITH 2 FLASHING LIGHTS

SIGN WITH  
DOUBLE POST

SIGN WITH  
SINGLE POST

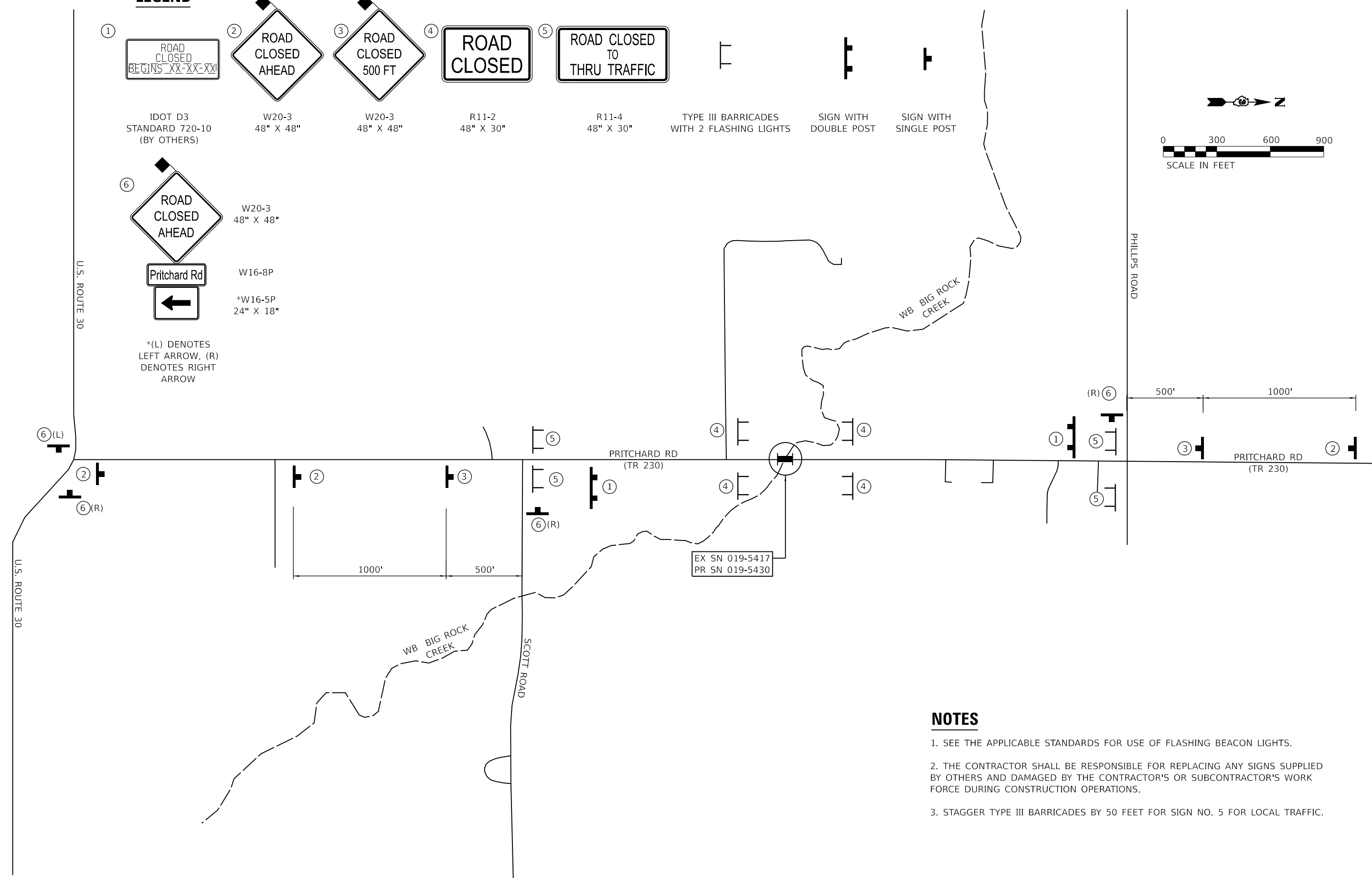
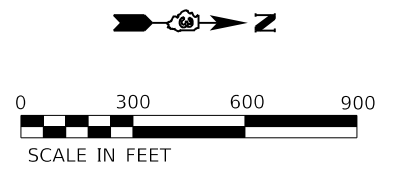


W20-3  
48" X 48"

W16-8P

\*W16-5P  
24" X 18"

\*(L) DENOTES  
LEFT ARROW, (R)  
DENOTES RIGHT  
ARROW



**NOTES**

1. SEE THE APPLICABLE STANDARDS FOR USE OF FLASHING BEACON LIGHTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY SIGNS SUPPLIED BY OTHERS AND DAMAGED BY THE CONTRACTOR'S OR SUBCONTRACTOR'S WORK FORCE DURING CONSTRUCTION OPERATIONS.
3. STAGGER TYPE III BARRICADES BY 50 FEET FOR SIGN NO. 5 FOR LOCAL TRAFFIC.

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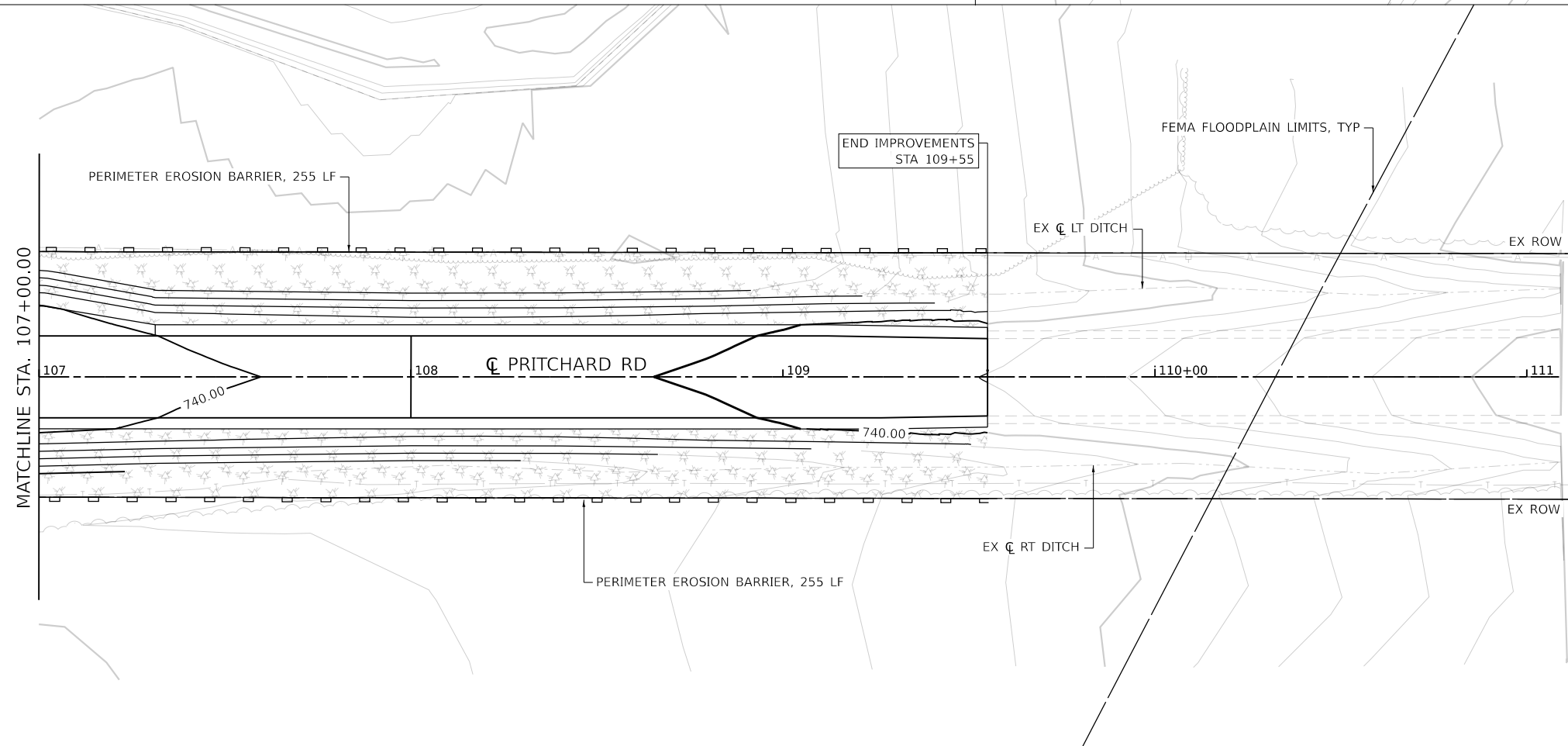
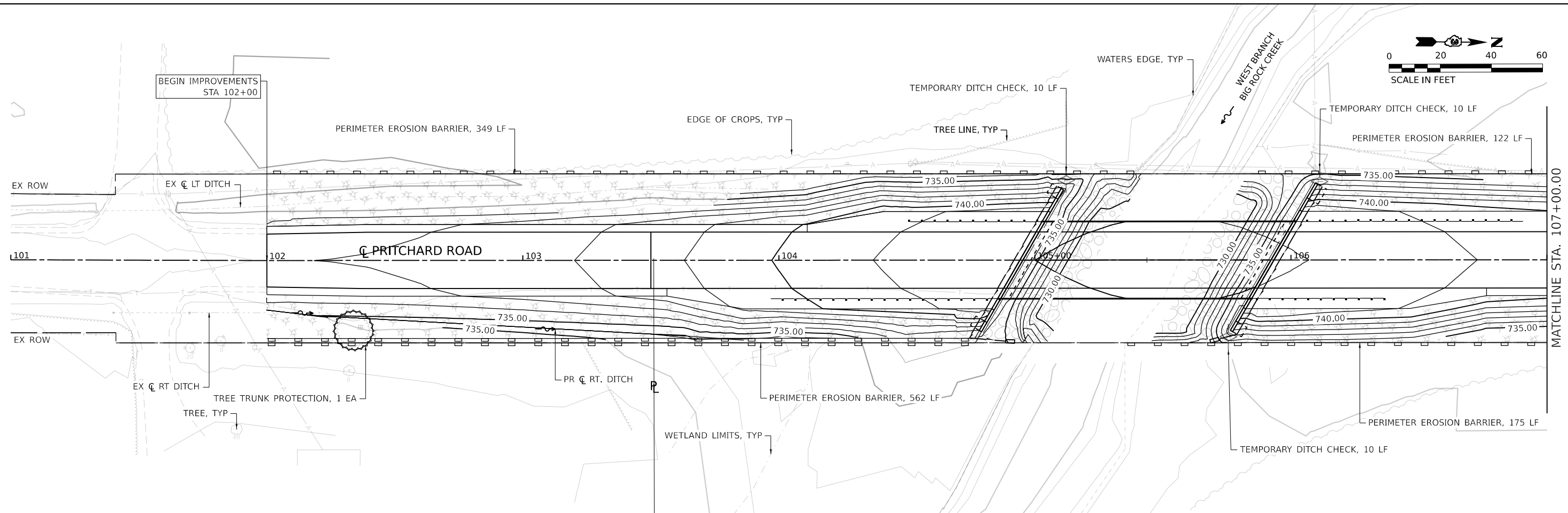
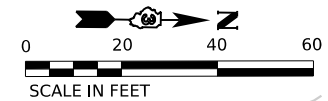
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PLOT SCALE	■ 600,000' / in.	CHECKED	- M. LANGE	REVISED	-
PLOT DATE	■ 4/29/2024	DATE	- 12/27/2023	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN  
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

SCALE: 1"=300'    SHEET 1 OF 1 SHEETS    STA. N/A TO STA. N/A

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	13
			CONTRACT NO. 87818	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2
- STONE RIPRAP, CLASS A4 (SEE STRUCTURAL PLANS)
- PERIMETER EROSION BARRIER
- TREE TRUNK PROTECTION
- TEMPORARY DITCH CHECKS

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PLOT SCALE = 0.16666000' / in.	DRAWN - T. STENSLIK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 07/28/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN  
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

SCALE: 1"=20'    SHEET 1 OF 1 SHEETS    STA. 102+00 TO STA. 109+55

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	14
			CONTRACT NO. 87818	
ILLINOIS FED. AID PROJECT				









**GENERAL NOTES**

Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in painted or coated metallized areas. Fasteners shall be ASTM F3125 Grade A325 Type 1, hot dipped galvanized in uncoated areas. Fasteners shall be ASTM F3125 Grade A325 Type 3 weathering steel bolts in unpainted areas. Bolts 7/8 in. diameter, holes 15/16 in. diameter, unless otherwise noted.

Calculated weight of Structural Steel = 98,570 lb.

All structural steel shall be AASTHO M270 Grade 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft). Adjustment shall be made either by grinding the surface or by shimming the bearings.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASTHO M270 Grade 50W.

Granular Backfill behind the abutments shall be compacted according to Article 205.06 of the Standard Specifications.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Structural steel shall be painted for a distance equal to the depth of the embedment into the concrete cap plus 18 in. Painted areas shall be primed in the shop with a Department-approved zinc rich primer. Field painting will not be required.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for the beam ends shall be Reddish Brown, Munsell No. 2.5YR 3/4.

Contractor to cut the existing piles a minimum of 3-ft. below the streambed. Work is included in the cost of Removal of Existing Structures.

**INDEX OF SHEETS**

S1	General Plan & Elevation
S2	General Data
S3	Top of Slab Elevations I
S4	Top of Slab Elevations II
S5	Superstructure Plan
S6	Superstructure Details
S7	Framing Plan and Beam Details
S8	Beam and Framing Details
S9	Girder Moment and Reaction Tables
S10	Steel Railing, Type SM
S11	North Abutment Plan
S12	South Abutment Plan
S13	Abutment Details
S14	Metal Shell Pile Details
S15	Soil Boring I
S16	Soil Boring II
S17-S23	Existing Plans

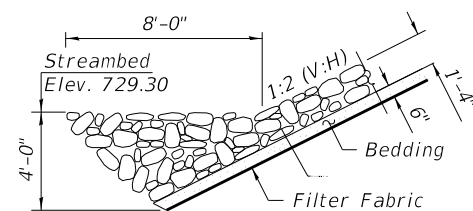
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.	-	524	524
Stone Riprap, Class A4	Sq. Yd.	-	550	550
Filter Fabric	Sq. Yd.	-	550	550
Removal of Existing Structures	Each	0.5	0.5	1
Structure Excavation	Cu. Yd.	-	131	131
Concrete Structures	Cu. Yd.	-	53.5	53.5
Concrete Superstructure	Cu. Yd.	120	-	120
Bridge Deck Grooving	Sq. Yd.	331	-	331
Protective Coat	Sq. Ft.	368	-	368
Furnishing and Erecting Structural Steel	LSum	1	-	1
Stud Shear Connectors	Each	1380	-	1380
Reinforcement Bars, Epoxy Coated	Pound	20,960	10,430	31,390
Steel Railing, Type SM	Foot	199	-	199
Furnishing Metal Shell Piles 14" x 0.312"	Foot	-	360	360
Driving Piles	Foot	-	360	360
Test Pile Metal Shells	Each	-	2	2
Pile Shoes	Each	-	10	10
Name Plate	Each	1	-	1
Anchor Bolts, 1"	Each	20	-	20
Granular Backfill For Structures	Cu. Yd.	-	195	195
Geocomposite Wall Drain	Sq. Yd.	-	103	103
Concrete Headwalls for Pipe Drains	Each	-	2	2
Pipe Underdrains For Structures 4"	Foot	-	157	157
Rodent Shields	Each	-	2	2

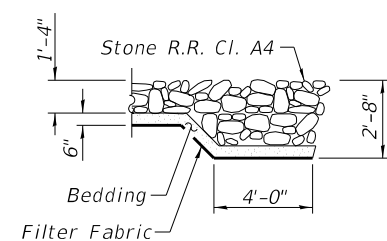
W. BR. BIG ROCK CREEK  
 BUILT 202\_ BY  
 DEKALB COUNTY  
 SQUAW GROVE RD DIST  
 SEC. 19-17129-00-BR  
 STATION 105+43.76  
 STR. NO. 019-5430 LOADING HL-93

**NAME PLATE**

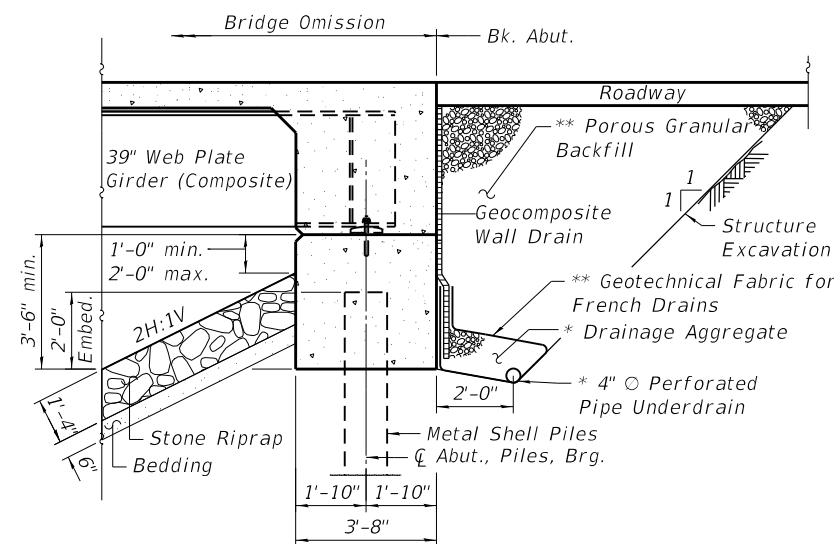
See Std. 515001.  
 Plate to be installed on southeast wingwall.



**SECTION A-A**



**SECTION B-B**

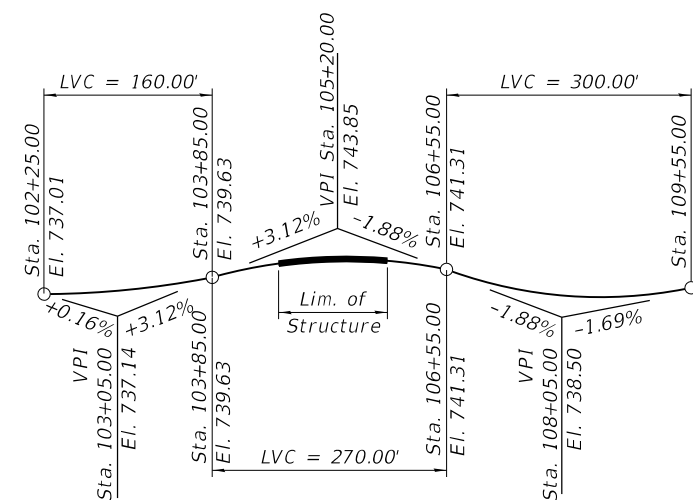


**SECTION THRU INTEGRAL ABUTMENT**

(Horiz. Dims. @ Rt. Angles)

\*Included in the cost of Pipe Underdrains for Structures, 4"  
 \*\*Porous Granular Backfill material shall be CA-7.

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).



**PRITCHARD RD. PROFILE GRADE**

(Along C Roadway)

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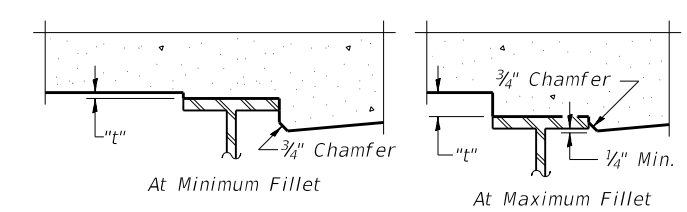
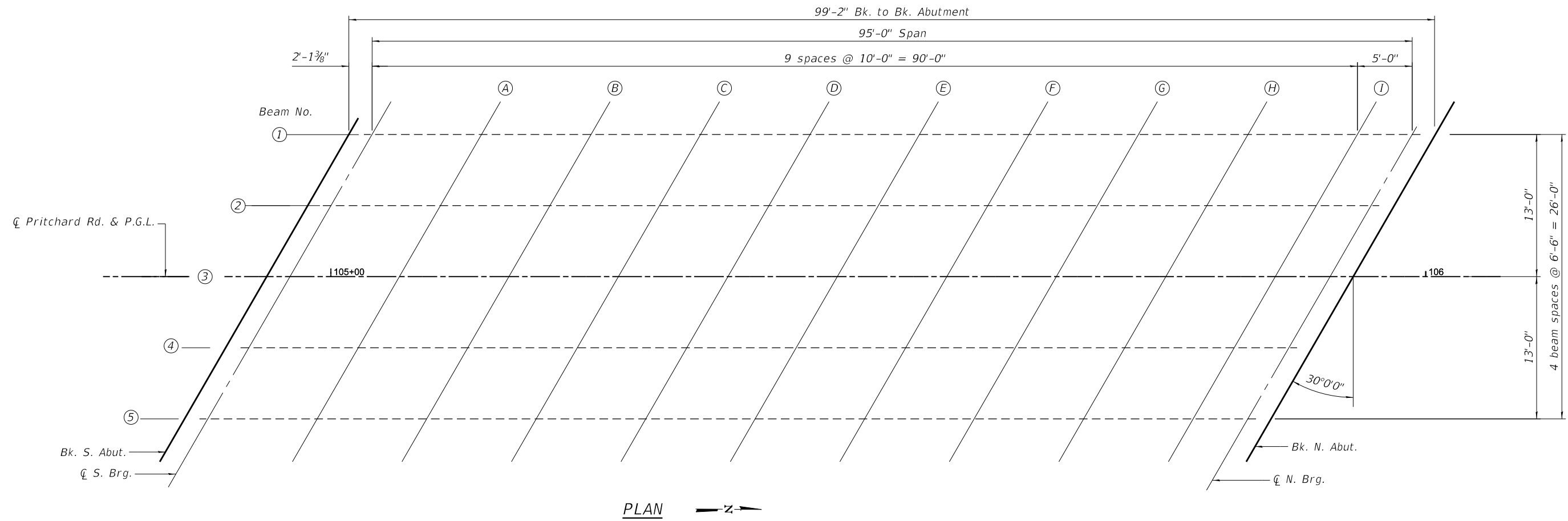
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		DRAWN - K. KOLODZIEJCZYK	REVISED -
	PLOT SCALE = 2400,0000' / ft.	CHECKED - M. LANGE	REVISED -
	PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
 SN 019-5430**

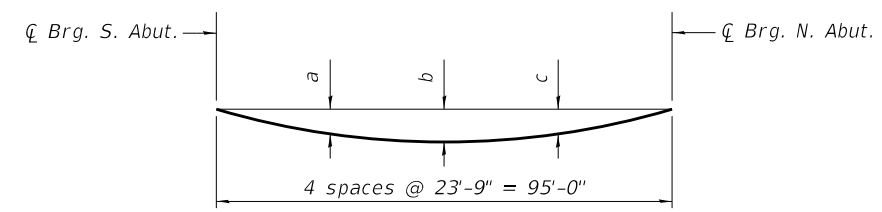
SHEET S2 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	18
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete, excluding beams).

Note:  
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

Location	Girder	
	1 & 5	2 - 4
a	2 7/8"	2 3/4"
b	4"	3 7/8"
c	2 7/8"	2 3/4"

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PLOT SCALE = 1/200,000" / ft.  
PLOT DATE = 4/29/2024

DESIGNED - K. KOLODZIEJCZYK  
DRAWN - K. KOLODZIEJCZYK  
CHECKED - M. LANGE  
DATE - 12/27/2023

REVISED - 04/25/2024  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS I  
SN 019-5430**

SHEET S3 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	19
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	



BEAM 1				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DL DEFLECTIONS
Bk. S. Abut.	105+01.65	-13.00 Lt.	741.81	741.81
CL S. Brg	105+03.76	-13.00 Lt.	741.83	741.83
A	105+13.76	-13.00 Lt.	741.91	742.00
B	105+23.76	-13.00 Lt.	741.98	742.14
C	105+33.76	-13.00 Lt.	742.02	742.24
D	105+43.76	-13.00 Lt.	742.05	742.30
E	105+53.76	-13.00 Lt.	742.06	742.32
F	105+63.76	-13.00 Lt.	742.05	742.29
G	105+73.76	-13.00 Lt.	742.02	742.21
H	105+83.76	-13.00 Lt.	741.98	742.10
I	105+93.76	-13.00 Lt.	741.91	741.95
CL N. Brg	105+98.76	-13.00 Lt.	741.87	741.87
Bk. N. Abut.	106+00.88	-13.00 Lt.	741.85	741.85

BEAM 2				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DL DEFLECTIONS
Bk. S. Abut.	104+97.89	-6.50 Lt.	741.88	741.88
CL S. Brg	105+00.01	-6.50 Lt.	741.90	741.90
A	105+10.01	-6.50 Lt.	741.99	742.07
B	105+20.01	-6.50 Lt.	742.06	742.21
C	105+30.01	-6.50 Lt.	742.11	742.32
D	105+40.01	-6.50 Lt.	742.15	742.38
E	105+50.01	-6.50 Lt.	742.16	742.40
F	105+60.01	-6.50 Lt.	742.16	742.38
G	105+70.01	-6.50 Lt.	742.14	742.32
H	105+80.01	-6.50 Lt.	742.10	742.22
I	105+90.01	-6.50 Lt.	742.04	742.08
CL N. Brg	105+95.01	-6.50 Lt.	742.00	742.00
Bk. N. Abut.	105+97.13	-6.50 Lt.	741.99	741.99

PGL & BEAM 3				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DL DEFLECTIONS
Bk. S. Abut.	104+94.14	0.00	741.94	741.94
CL S. Brg	104+96.26	0.00	741.96	741.96
A	105+06.26	0.00	742.06	742.14
B	105+16.26	0.00	742.14	742.29
C	105+26.26	0.00	742.20	742.40
D	105+36.26	0.00	742.24	742.47
E	105+46.26	0.00	742.26	742.50
F	105+56.26	0.00	742.26	742.49
G	105+66.26	0.00	742.25	742.43
H	105+76.26	0.00	742.22	742.33
I	105+86.26	0.00	742.17	742.21
CL N. Brg	105+91.26	0.00	742.13	742.13
Bk. N. Abut.	105+93.38	0.00	742.12	742.12

BEAM 4				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DL DEFLECTIONS
Bk. S. Abut.	104+90.39	6.50 Rt.	741.79	741.79
CL S. Brg	104+92.51	6.50 Rt.	741.82	741.82
A	105+02.51	6.50 Rt.	741.92	742.00
B	105+12.51	6.50 Rt.	742.01	742.16
C	105+22.51	6.50 Rt.	742.07	742.28
D	105+32.51	6.50 Rt.	742.12	742.36
E	105+42.51	6.50 Rt.	742.15	742.39
F	105+52.51	6.50 Rt.	742.16	742.39
G	105+62.51	6.50 Rt.	742.16	742.34
H	105+72.51	6.50 Rt.	742.13	742.25
I	105+82.51	6.50 Rt.	742.09	742.13
CL N. Brg	105+87.51	6.50 Rt.	742.06	742.06
Bk. N. Abut.	105+89.62	6.50 Rt.	742.04	742.04

BEAM 5				
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DL DEFLECTIONS
Bk. S. Abut.	104+86.64	13.00 Rt.	741.65	741.65
CL S. Brg	104+88.75	13.00 Rt.	741.67	741.67
A	104+98.75	13.00 Rt.	741.78	741.87
B	105+08.75	13.00 Rt.	741.88	742.03
C	105+18.75	13.00 Rt.	741.95	742.17
D	105+28.75	13.00 Rt.	742.00	742.25
E	105+38.75	13.00 Rt.	742.04	742.30
F	105+48.75	13.00 Rt.	742.06	742.30
G	105+58.75	13.00 Rt.	742.06	742.25
H	105+68.75	13.00 Rt.	742.04	742.16
I	105+78.75	13.00 Rt.	742.00	742.05
CL N. Brg	105+83.75	13.00 Rt.	741.98	741.98
Bk. N. Abut.	105+85.87	13.00 Rt.	741.96	741.96

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 SHEET: ...  
 DATE: 4/29/2024



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PLOT SCALE =	2400,0000" = 1'.
PLOT DATE =	4/29/2024

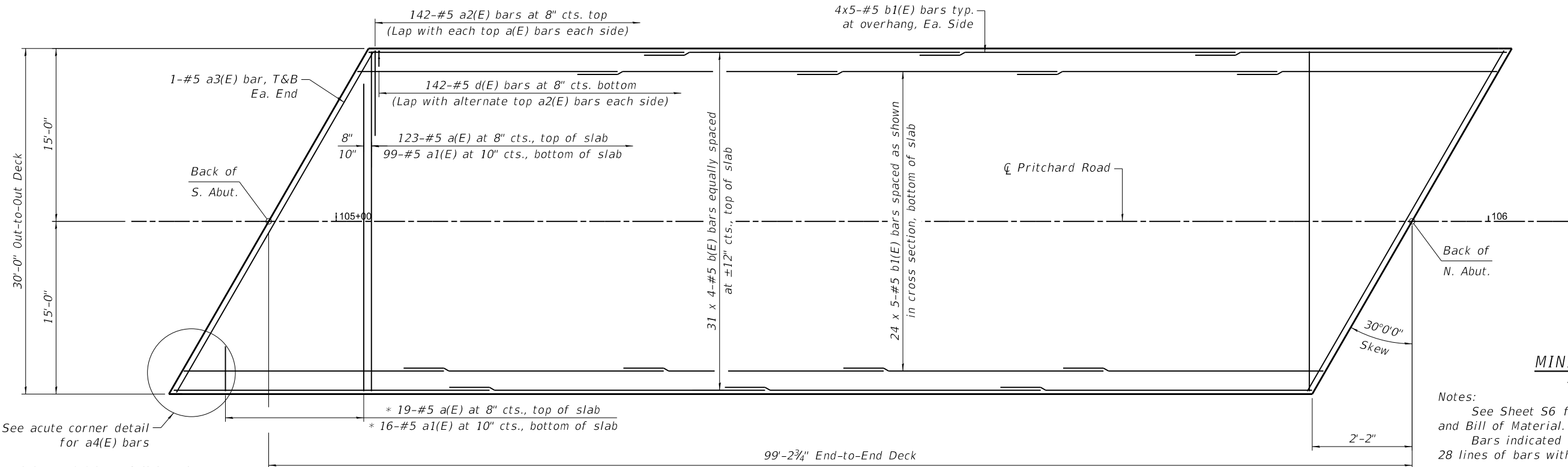
DESIGNED -	K. KOLODZIEJCZYK	REVISED -	04/25/2024
DRAWN -	K. KOLODZIEJCZYK	REVISED -	
CHECKED -	M. LANGE	REVISED -	
DATE -	12/27/2023	REVISED -	

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**TOP OF SLAB ELEVATIONS II**  
**SN 019-5430**

SHEET S4 OF S23 SHEETS

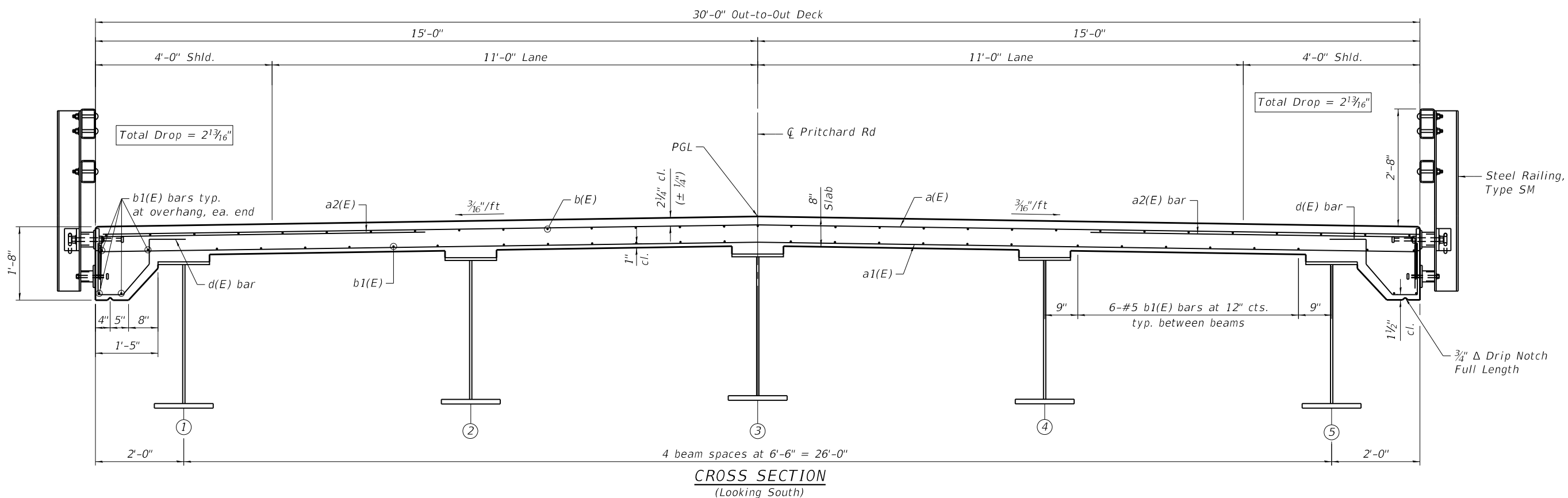
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	20
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



**MINIMUM BAR LAP**  
#5 bar = 3'-6"

Notes:  
See Sheet S6 for Superstructure Details and Bill of Material.  
Bars indicated thus 28 x 4-#5 etc. indicates 28 lines of bars with 4 lengths per line.

\*Order a(E) & a2(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.



**CROSS SECTION**  
(Looking South)

MODEL: D:\info\... ENGINEERING RESOURCE ASSOCIATES

USER NAME = Kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
DRAWN - K. KOLODZIEJCZYK	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 1/200,0000" / ft.	DATE - 12/27/2023	REVISED -
PLOT DATE = 4/29/2024		

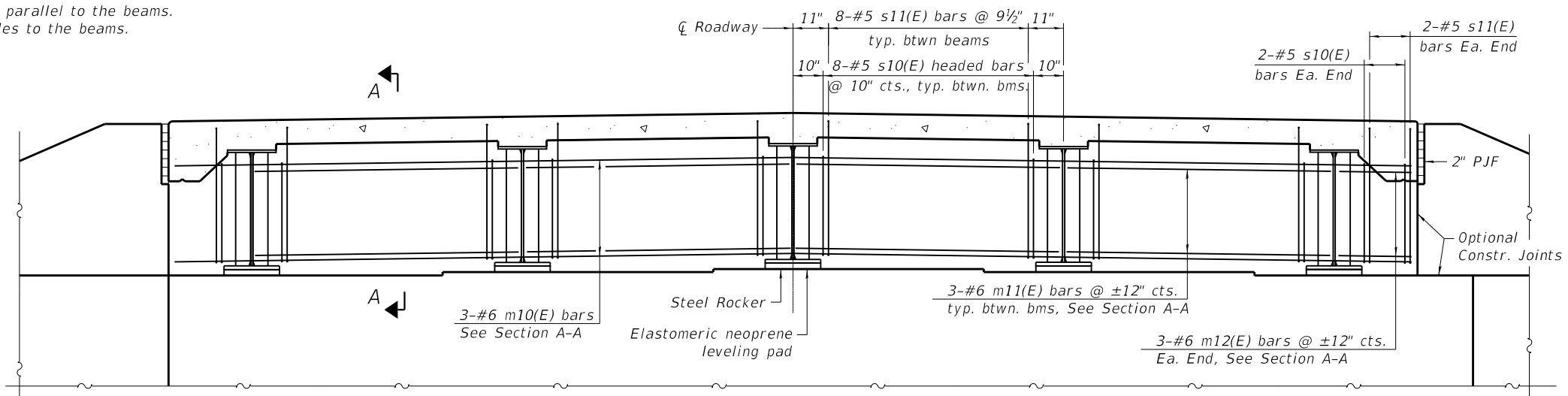
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE PLAN**  
**SN 019-5430**

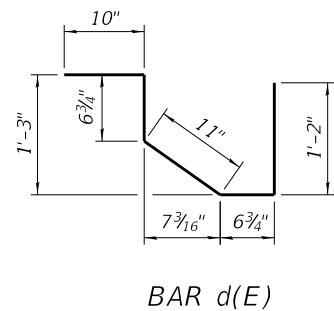
SHEET S5 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

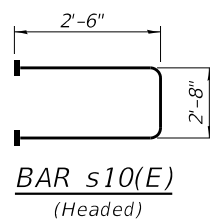
Notes:  
 The s10(E) and s11(E) bars shall be placed parallel to the beams.  
 Spacing for these bars shall be at right angles to the beams.



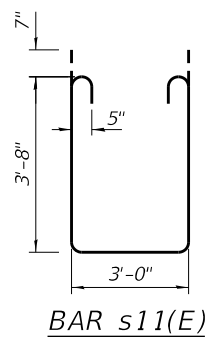
DIAPHRAGM AT ABUTMENT



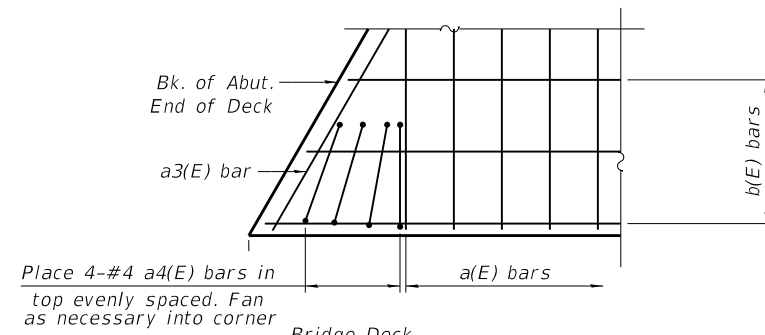
BAR d(E)



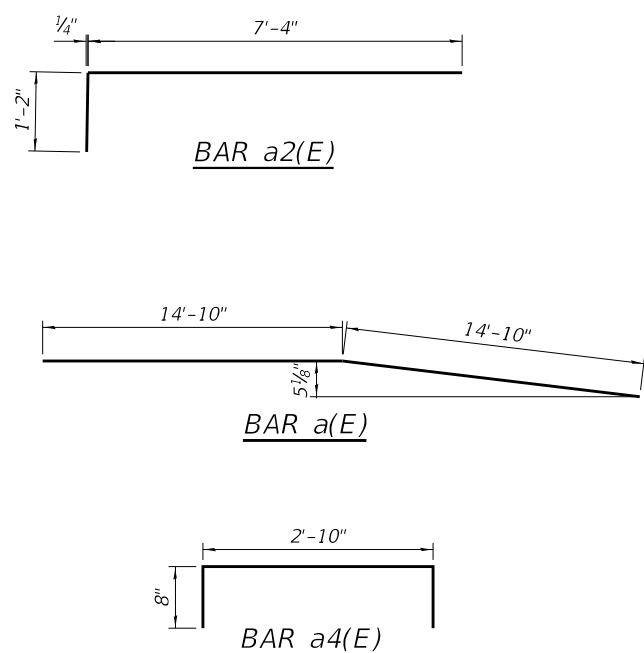
BAR s10(E)  
(Headed)



BAR s11(E)



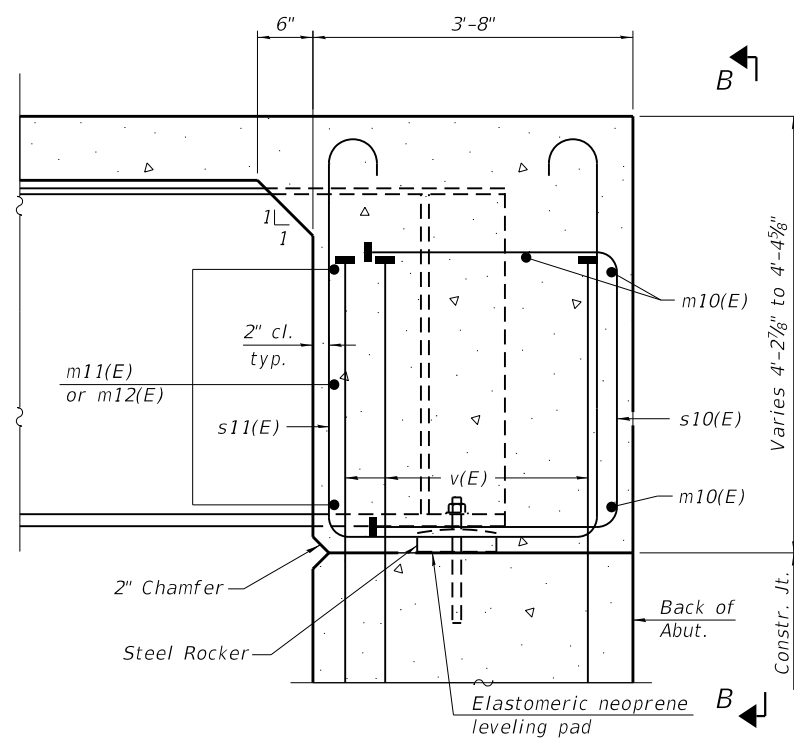
ACUTE CORNER DECK REINFORCEMENT  
 FOR SIDE MOUNTED RAILS ON INTEGRAL ABUTMENTS



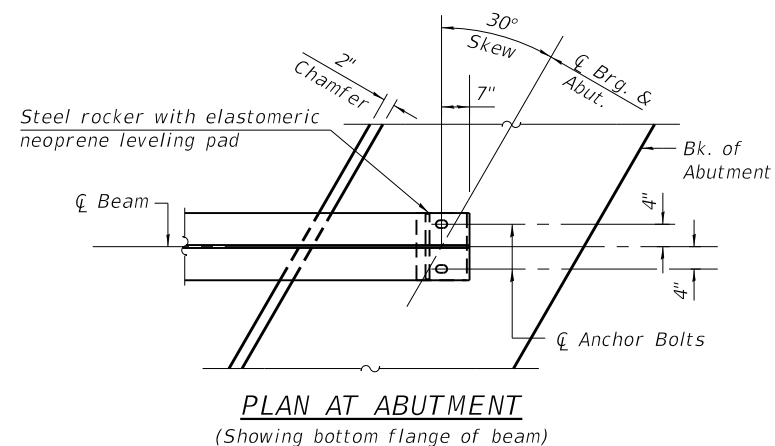
BAR a2(E)

BAR a(E)

BAR a4(E)



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



PLAN AT ABUTMENT  
 (Showing bottom flange of beam)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	142	#5	29'-8"	
a1(E)	115	#5	27'-8"	
a2(E)	284	#5	8'-6"	
a3(E)	4	#5	34'-4"	
a4(E)	8	#4	4'-2"	
b(E)	124	#5	27'-5"	
b1(E)	160	#5	22'-7"	
d(E)	284	#5	4'-1"	
m10(E)	6	#6	34'-4"	
m11(E)	24	#6	7'-0"	
m12(E)	12	#6	1'-8"	
s10(E)	72	#5	7'-8"	
s11(E)	72	#5	11'-6"	
Item	Unit	Quantity		
Concrete Superstructure	Cu. Yd.	120		
Bridge Deck Grooving	Sq. Yd.	331		
Protective Coat	Sq. Yd.	368		
Reinforcement Bars, Epoxy Coated	Pound	20,960		
Anchor Bolts, 1"	Each	20		

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USER NAME = kkolodziejczyk  
 PLOT SCALE = 4800,0000 " / ft.  
 PLOT DATE = 4/29/2024

DESIGNED - K. KOLODZIEJCZYK  
 DRAWN - K. KOLODZIEJCZYK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

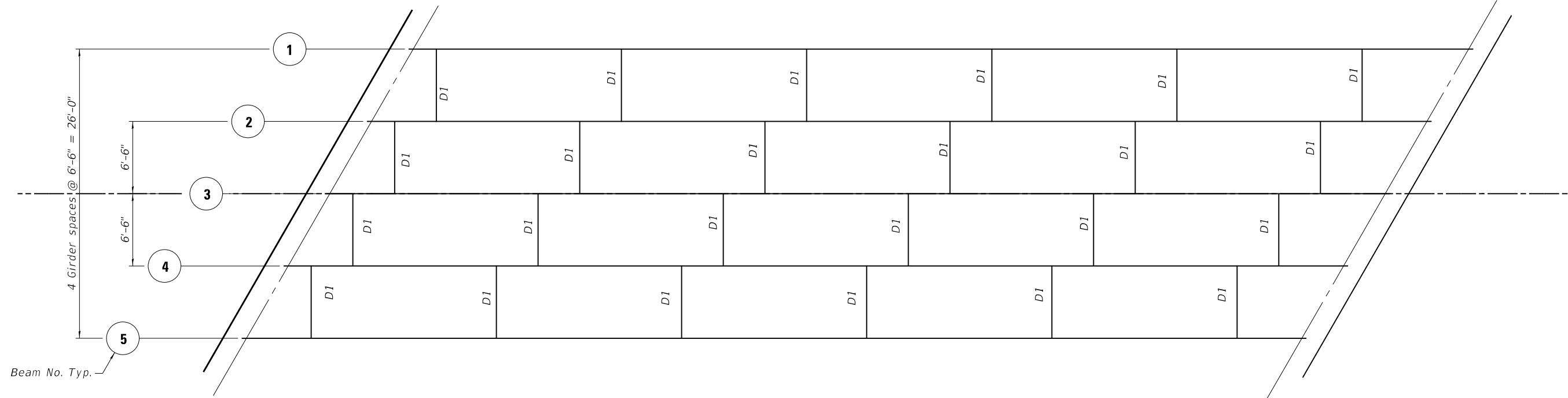
REVISED - 04/25/2024  
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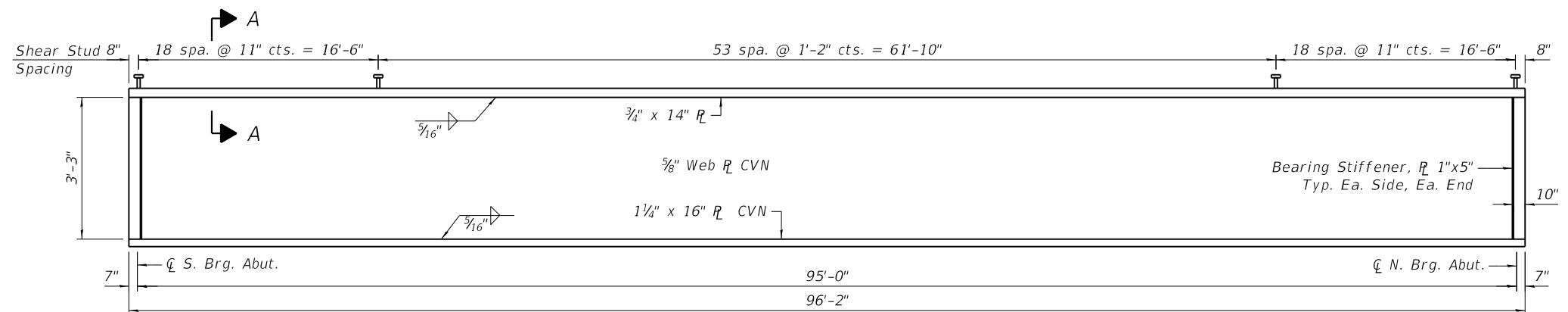
SUPERSTRUCTURE DETAILS  
 SN 019-5430

SHEET S6 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

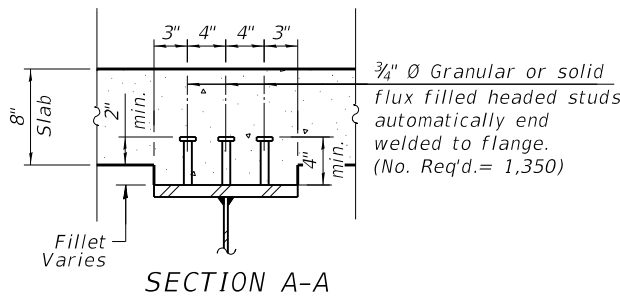


Beam No. Typ.

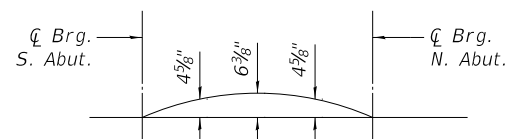


**GIRDER ELEVATION**

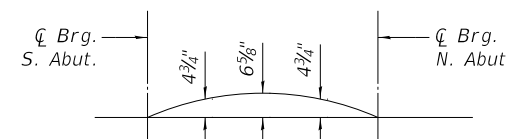
Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.



**SECTION A-A**



**CAMBER DIAGRAM**  
(Beams 2 thru 4)



**CAMBER DIAGRAM**  
(Beams 1 & 5)

MODEL: D:\info\... ENGINEERING RESOURCE ASSOCIATES



USER NAME = Kkolodziejczyk  
 PLOT SCALE = 1/200,0000" / ft.  
 PLOT DATE = 4/29/2024

DESIGNED - K. KOLODZIEJCZYK  
 DRAWN - K. KOLODZIEJCZYK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

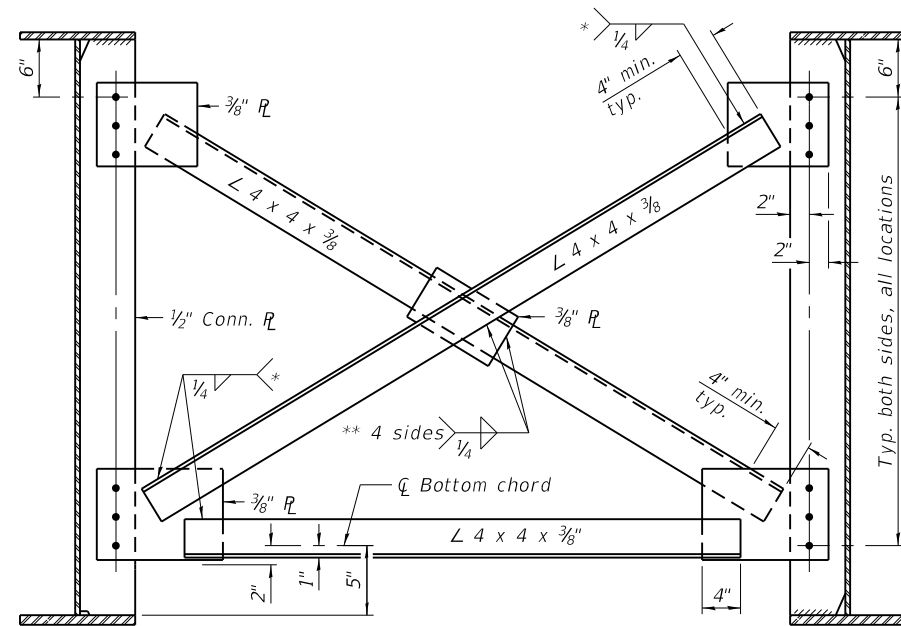
REVISED - 04/25/2024  
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 REVISED -  
 REVISED -

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

**FRAMING PLAN AND BEAM DETAILS**  
**SN 019-5430**

SHEET S7 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	23
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



\* Fillet weld angles along 3 sides on one face of gusset plate; however, if cross-frames are galvanized, weld all-around.

\*\* If cross-frames are galvanized, weld all-around.

**D1 INTERIOR CROSS-FRAME**

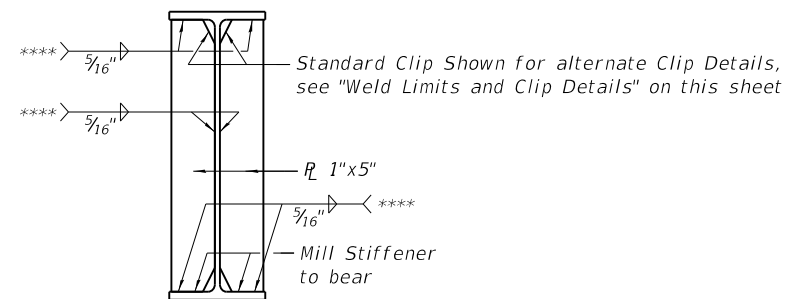
(24 required)

Notes:

Detail 1 5/16" Ø holes for all 3/4" Ø bolts (1 1/16" Ø holes for all 1/2" Ø bolts only if required by design).

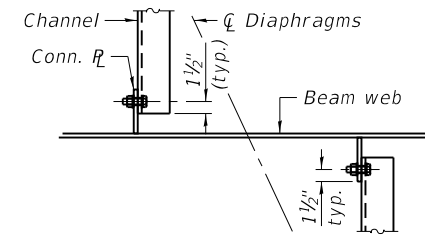
Two hardened washers required for each set of oversized holes.

All cross frames or diaphragms between beams or girders shall be installed with erection pins and bolts in accordance with the erection plan approved by the Engineer. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor bolts.

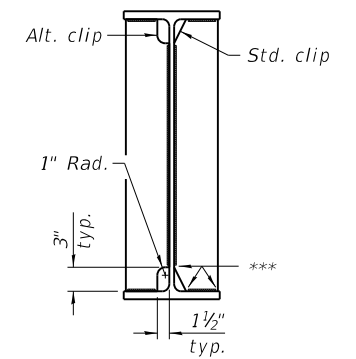


**SECTION AT ABUTMENT**

\*\*\*\* Terminate 1/4" (± 1/8") from the end of plate intersects.

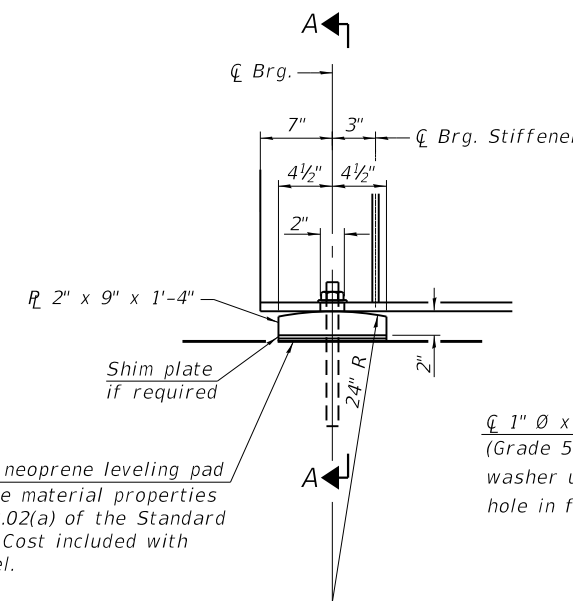


**INTERIOR CROSS FRAME PLAN**



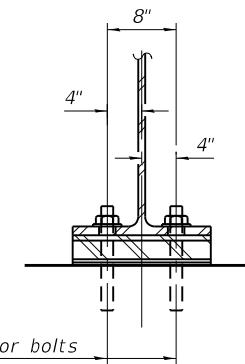
**WELD LIMITS AND CLIP DETAILS**

\*\*\* Stop welds 1/4" (± 1/8") from edges as shown. Typical.



**ELEVATION AT ABUTMENT**

1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.



**SECTION A-A**

1" Ø x 12" All-Thread anchor bolts (Grade 55) with 2 1/4" x 2 1/4" x 5/16" R washer under nut. 1 3/8" x 2" slotted hole in flange. 1 1/2" Ø holes in bearing plate.

**FIXED BEARING**

Notes:

Anchor bolts shall be according to Article 521.06 of the Standard Specifications. Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

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USER NAME = Kkolodziejczyk  
 PLOT SCALE = 1/200,0000" = 1/ft.  
 PLOT DATE = 4/29/2024

DESIGNED - K. KOLODZIEJCZYK  
 DRAWN - K. KOLODZIEJCZYK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

REVISED - 04/25/2024  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BEAM AND FRAMING DETAILS  
 SN 019-5430**

SHEET S8 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	24
CONTRACT NO. 87818				

ILLINOIS FED. AID PROJECT



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INTERIOR GIRDER MOMENT TABLE		
0.5 Span		
	Interior Girder	Exterior Girder
$I_s$	(in <sup>4</sup> )	14,656
$I_c(n)$	(in <sup>4</sup> )	43,168
$I_c(3n)$	(in <sup>4</sup> )	30,592
$I_c(cr)$	(in <sup>4</sup> )	-
$S_s$	(in <sup>3</sup> )	851
$S_c(n)$	(in <sup>3</sup> )	1,229
$S_c(3n)$	(in <sup>3</sup> )	1,117
$S_c(cr)$	(in <sup>3</sup> )	-
$S_x$	(in <sup>3</sup> )	1080.1
DC1	(k/')	0.900
$M_{DC1}$	(k)	1,015.3
DC2	(k/')	0.048
$M_{DC2}$	(k)	54.2
DW	(k/')	0.325
$M_{DW}$	(k)	366.6
LLDF		0.550
$M_{\zeta + IM}$	(k)	1,443.3
$f_t$ (Strength I)	(ksi)	-
$M_u + 1/5 f_t S_x$	(k)	4,412.6
$\phi_r M_n$	(k)	5,637
$f_s$ DC1	(ksi)	14.3
$f_s$ DC2	(ksi)	0.58
$f_s$ DW	(ksi)	3.94
$f_s (\zeta + IM)$	(ksi)	14.1
$f_t$ (Service II)	(ksi)	-
$f_s + f_t / 2$ (Service II)	(ksi)	37.1
Service II Resistance	(ksi)	47.5
$f_s + f_t / 3$ (Strength I)	(ksi)	-
$\phi_r F_n$	(ksi)	-
$V_f$	(k)	87.6

GIRDER REACTION TABLE		
	Abut. (Interior)	Abut. (Exterior)
LLDF	0.707	0.615
OCF	1.112	1.112
$R_{DC1}$	(k)	42.7
$R_{DC2}$	(k)	2.3
$R_{DW}$	(k)	15.4
$R_{\zeta}$	(k)	75.0
$R_{IM}$	(k)	16.8
$R_{Total}$ (Strength I)(Impact)	(k)	240.1
$R_{Total}$ (Strength I)(No Impact)	(k)	210.6

- $I_s, S_s$  : Non-composite moment of inertia and section modulus of the steel section used for computing  $f_s$ (Total-Strength I, and Service II) due to non-composite dead loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $I_c(n), S_c(n)$ : Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing  $f_s$ (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $I_c(3n), S_c(3n)$ : Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing  $f_s$ (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $I_c(cr), S_c(cr)$ : Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing  $f_s$  (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $S_x$  : Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in.<sup>3</sup>).
- DC1: Un-factored non-composite dead load (kips/ft.).
- $M_{DC1}$  : Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- $M_{DC2}$  : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- $M_{DW}$  : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- $M_{\zeta + IM}$  : Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- $M_u$  : Strength I load combination of factored design moments (kip-ft.).  
 $1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{\zeta + IM}$
- $f_t$  : Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).
- $\phi_r M_n$ : Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).

- $f_s$  DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).  
 $M_{DC1} / S_s$
- $f_s$  DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).  
 $M_{DC2} / S_c(3n)$  or  $M_{DC2} / S_c(cr)$  as applicable.
- $f_s$  DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).  
 $M_{DW} / S_c(3n)$  or  $M_{DW} / S_c(cr)$  as applicable.
- $f_s (\zeta + IM)$ : Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).  
 $M_{\zeta + IM} / S_c(n)$  or  $M_{\zeta + IM} / S_c(cr)$  as applicable.
- $f_s + f_t / 2$  (Service II): Sum of stresses as computed below (ksi).  
 $f_s$  DC1 +  $f_s$  DC2 +  $f_s$  DW +  $1.3 f_s (\zeta + IM) + f_t / 2$
- Service II Resistance: Composite (0.95 $R_n F_{yf}$ ) or noncomposite (0.80 $R_n F_{yf}$ ) stress capacity according to Article 6.10.4.2 (ksi).
- $f_s + f_t / 3$  (Strength I): Sum of stresses as computed below on non-compact sections (ksi).  
 $1.25 (f_s$  DC1 +  $f_s$  DC2) +  $1.5 f_s$  DW +  $1.75 f_s (\zeta + IM) + f_t / 3$
- $\phi_r F_n$  : Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).
- $V_r$  : Maximum factored shear range in span computed according to Article 6.10.10.
- OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.
- $R_{DC1}$  : Un-factored reaction due to non-composite dead load (kip).
- $R_{DC2}$  : Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- $R_{DW}$  : Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- $R_{\zeta}$  : Un-factored live load reaction (kip).
- $R_{IM}$  : Un-factored dynamic load allowance (impact) (kip).
- $R_{Total}$  (Strength I)(Impact): Strength I load combination of factored design reactions (kip).  
 $1.25 (R_{DC1} + R_{DC2}) + 1.5 R_{DW} + 1.75 (R_{\zeta} + R_{IM})$
- $R_{Total}$  (Strength I)(No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).  
 $1.25 (R_{DC1} + R_{DC2}) + 1.5 R_{DW} + 1.75 (R_{\zeta})$

Note:  
 $M_{\zeta}$  and  $R_{\zeta}$  include the effects of centrifugal force and superelevation.

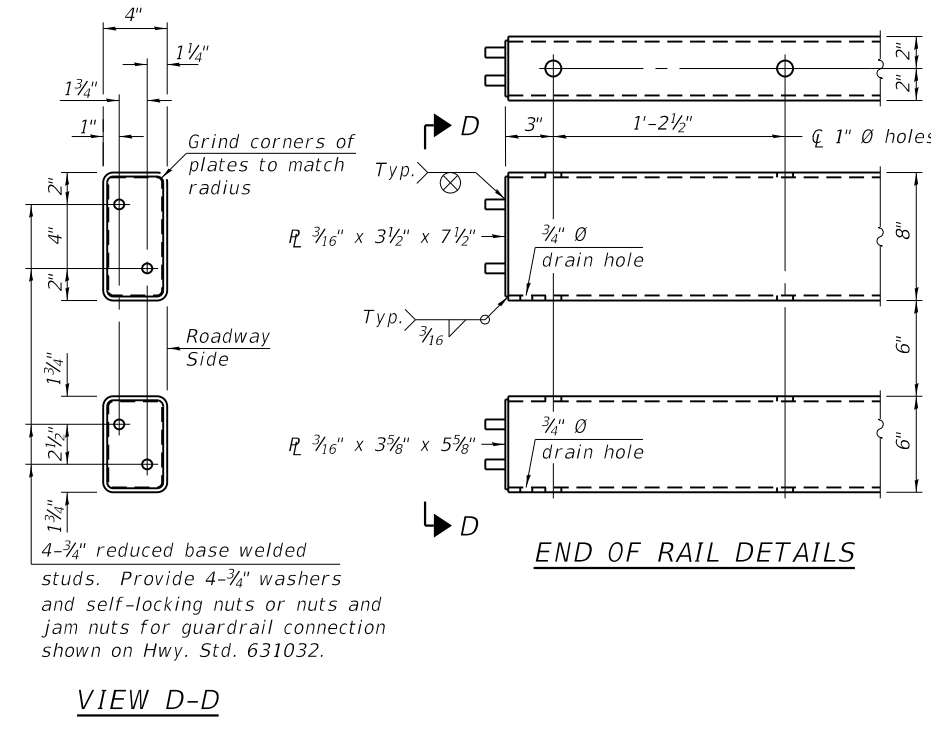
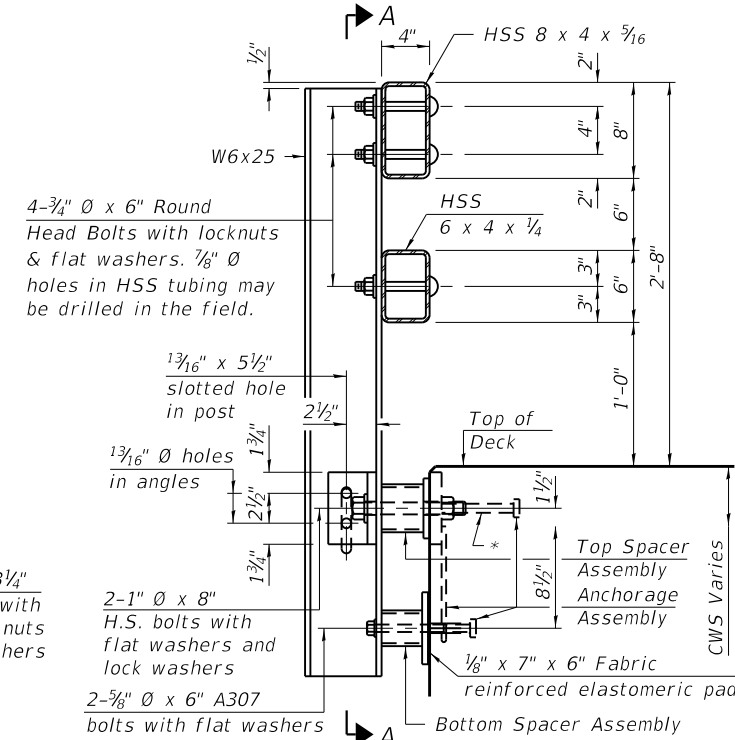
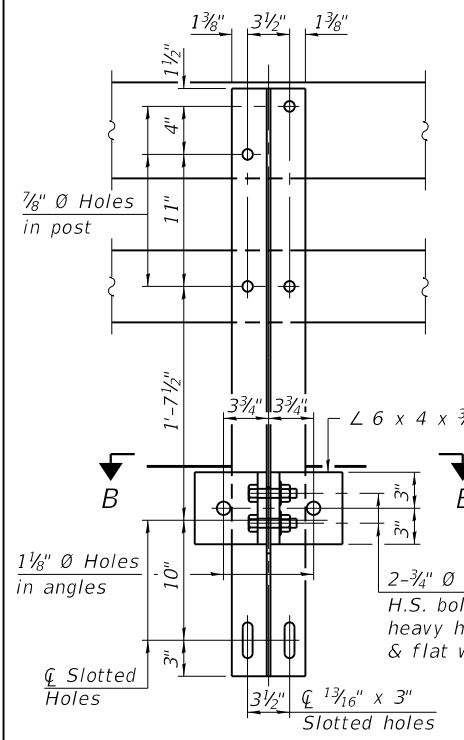


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	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT SCALE = 1/200,0000" = 1/ft.	CHECKED - M. LANGE	REVISED -
PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISED -

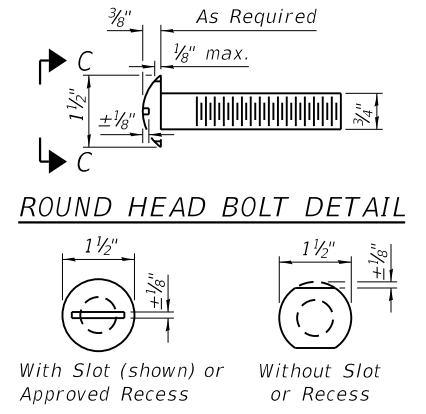
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GIRDER MOMENT AND REACTION TABLES  
SN 019-5430**

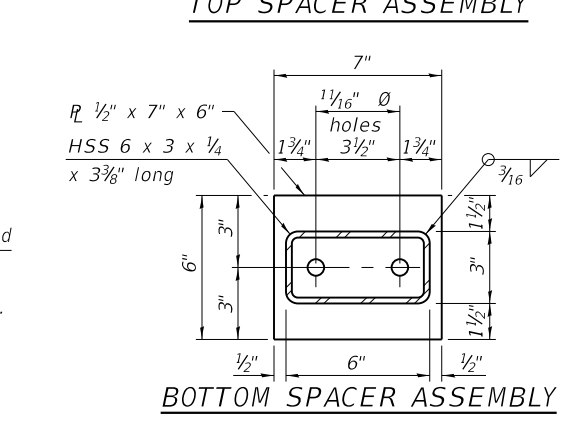
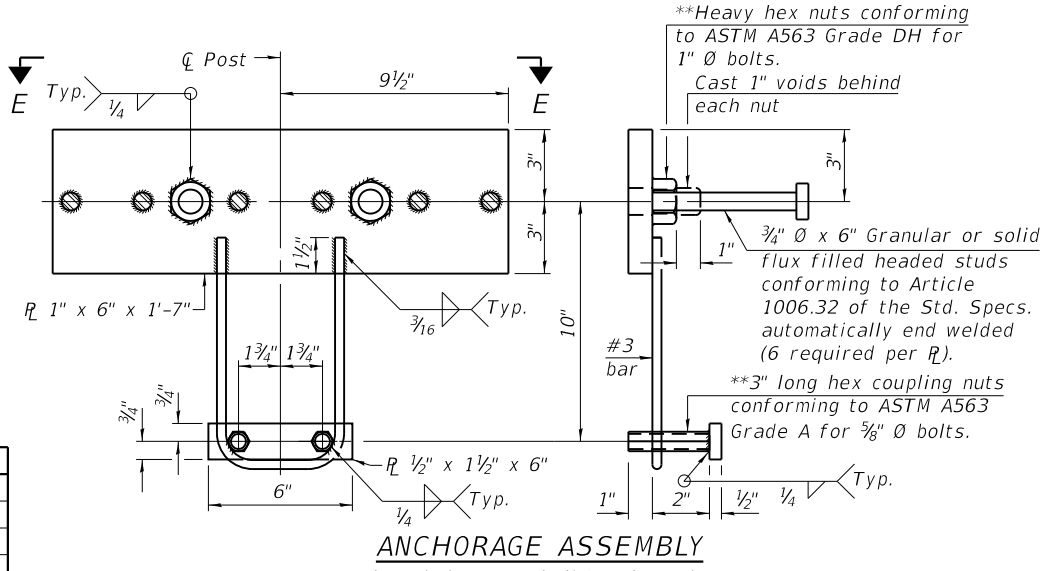
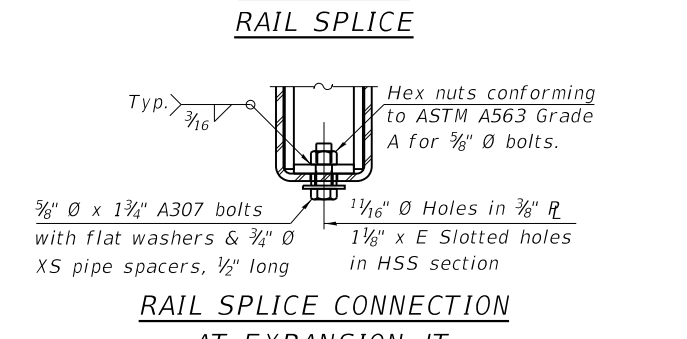
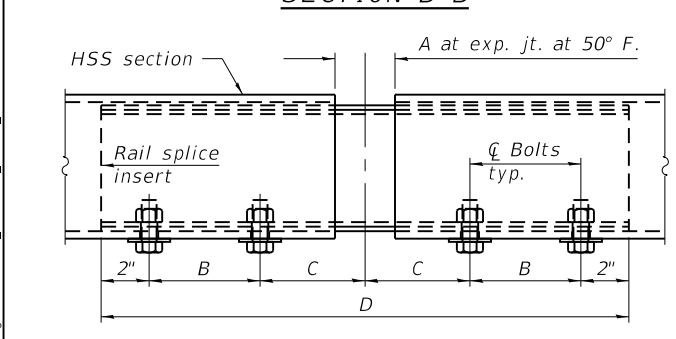
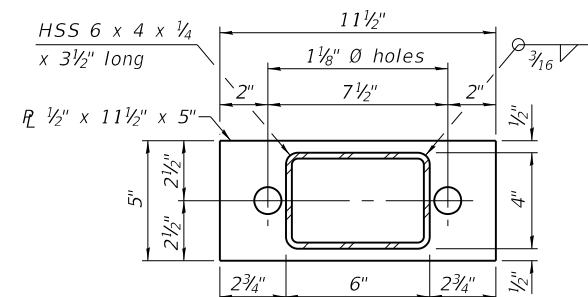
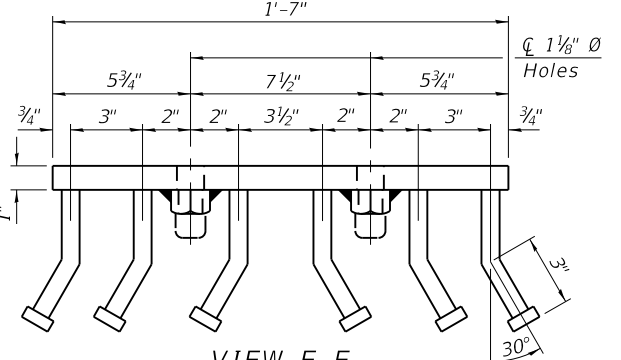
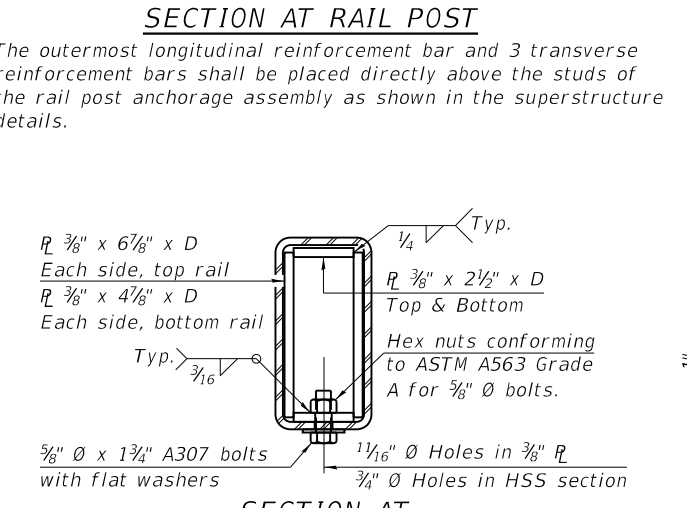
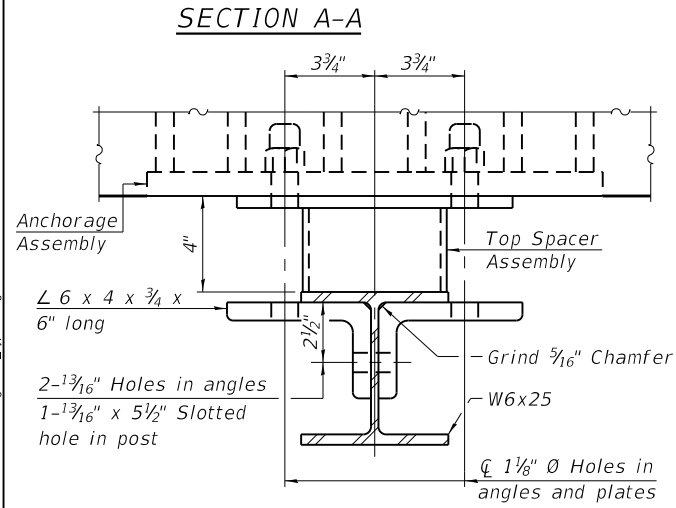
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-17129-00-BR	DEKALB	48	25
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



Notes:  
 A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (bottom), longer bolts are required. Cost included with Steel Railing, Type SM.  
 All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.  
 All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.  
 Rail splice inserts may be built out of 2 - 3/8" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.  
 All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.



VIEW C-C



**RAILING CRITERIA**

MASH 2016 Test Level	2
Railing Weight (plf)	90
Min f'c (psi)	5,000
Max Post Spacing	6'-3"
CWS thickness range (in)	5 - 7 1/8

**SPLICE DIMENSIONS**

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	1/4"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2 1/2"	4 3/8"	4 3/8"	1'-10"	3 1/16"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	7 3/8"	7 1/4"	2'-9 1/4"	5 1 3/16"
Over Finger or Modular Jt.	≤15"	8 1/4"	10 1/8"	10"	3'-8 1/4"	8 1 1/16"

T = ; total movement along centerline of roadway at expansion joint.

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type SM	Foot	199

R-34CWS (Modified) 9-1-2022



USER NAME = Kkolodziejczyk  
 PLOT SCALE = 2400,0000" / ft.  
 PLOT DATE = 4/29/2024

DESIGNED - K. KOLODZIEJCZYK  
 DRAWN - K. KOLODZIEJCZYK  
 CHECKED - M. LANGE  
 DATE - 12/27/2023

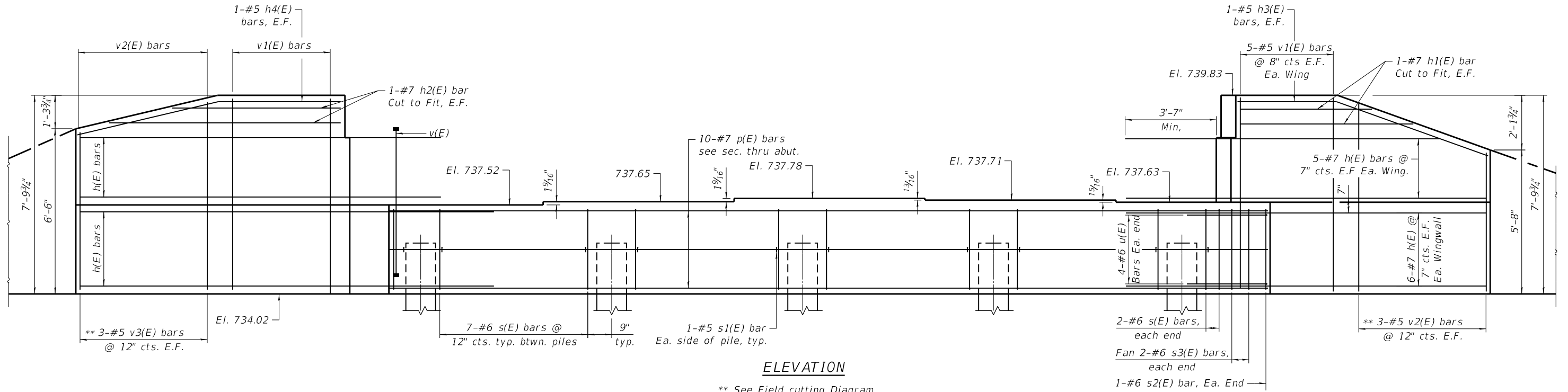
REVISED - 04/25/2024  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM  
 SN 019-5430

SHEET S10 OF S23 SHEETS

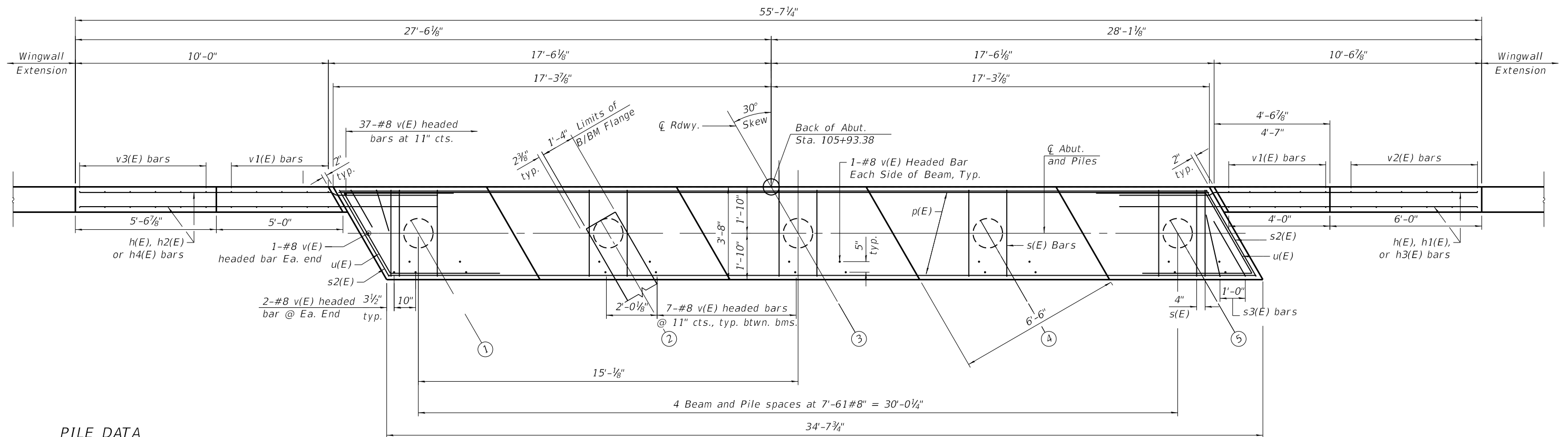
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	26
				CONTRACT NO. 87818
ILLINOIS FED. AID PROJECT				



**ELEVATION**

\*\* See Field cutting Diagram

\* See Field Cutting Diagram



**PLAN**

**PILE DATA**

Type: Metal Shell 14"  $\odot$  x 0.312"  
 Nominal Required Bearing: 502 kip  
 Factored Resistance Available: 270 kip  
 Est. Length: 50-ft  
 No. Production Piles: 4  
 No. Test Piles: 1

MODEL: D:\info\...  
 FILE NAME: ...  
 MODEL: D:\info\...  
 FILE NAME: ...



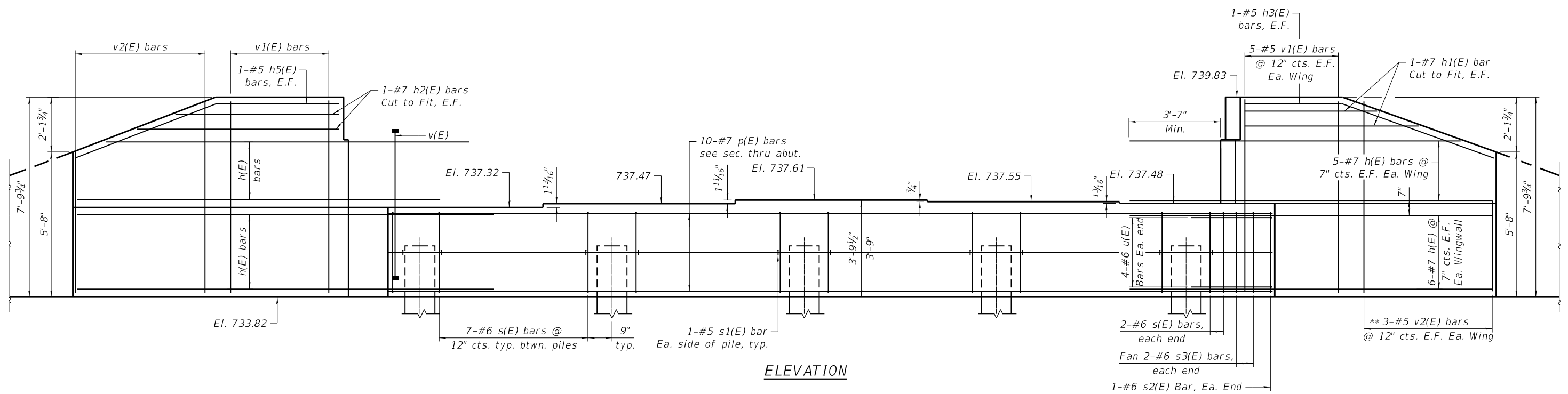
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	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT SCALE = 480.0000 1" / ft.	CHECKED - M. LANGE	REVISED -
PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT PLAN  
 SN 019-5430**

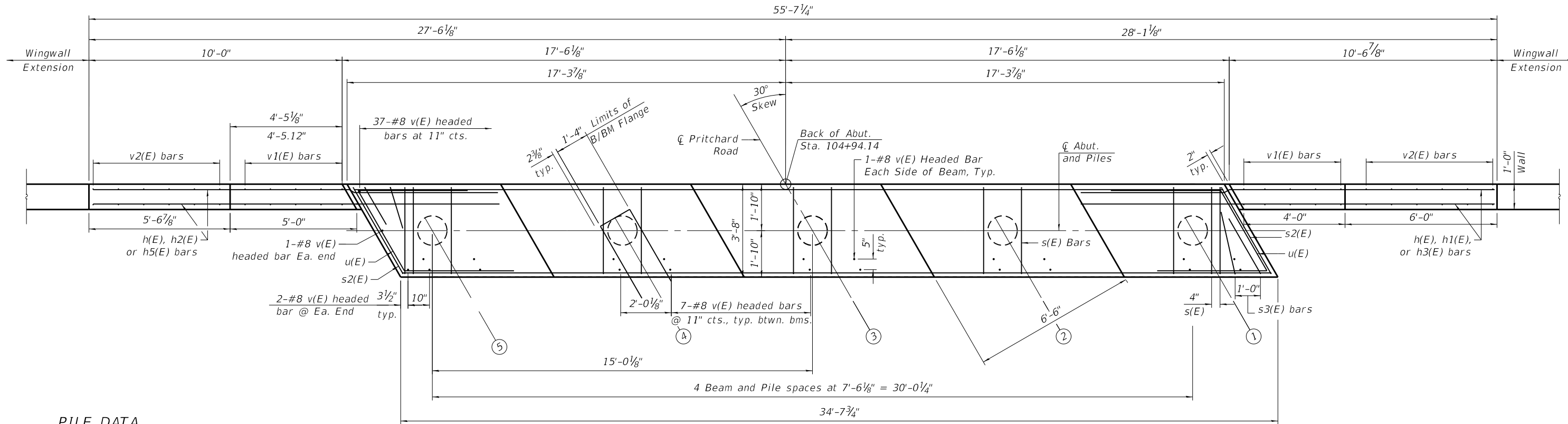
SHEET S11 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	27
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



ELEVATION

\* See Field Cutting Diagram



PLAN

**PILE DATA**

Type: Metal Shell Piles 14"  $\odot$  x 0.312"  
 Nominal Required Bearing: 502 kips  
 Factored Resistance Available: 270 kips  
 Est. Length: 40-ft  
 No. Production Piles: 4  
 No. Test Piles: 1

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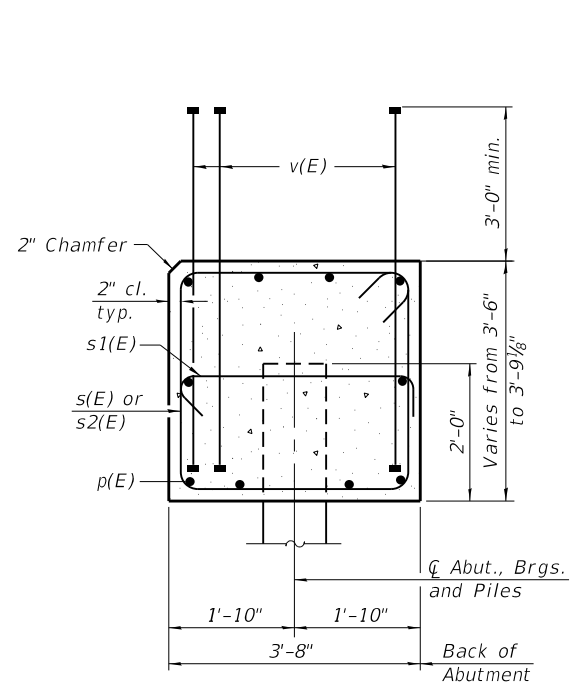
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DRAWN - K. KOLODZIEJCZYK	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 480.0000 1" = 48'	DATE - 12/27/2023	REVISED -
PLOT DATE = 4/29/2024		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

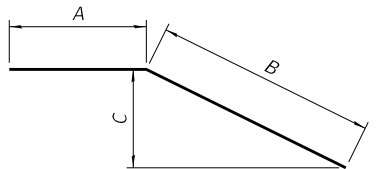
SOUTH ABUTMENT PLAN  
 SN 019-5430

SHEET S12 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	28
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

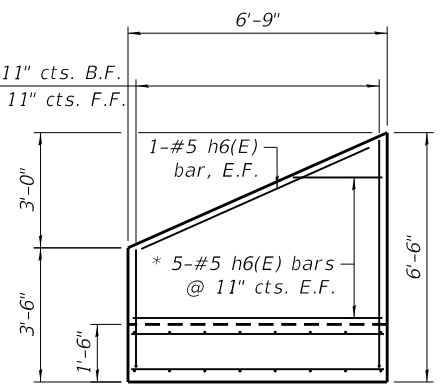


**SEC. THRU ABUT.**  
Dimensions at right angles to abutment.



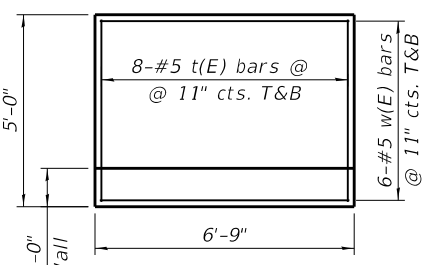
Bar	A	B	C
h3(E)	3'-10"	6'-4"	2'-1 7/8"
h4(E)	4'-9"	5'-8"	1'-3 3/8"
h5(E)	4'-9"	5'-11"	2'-1 1/2"

\* 8-#5 d(E) bars @ 11" cts. B.F.  
\*\* 4-#5 v4(E) bars @ 11" cts. F.F.



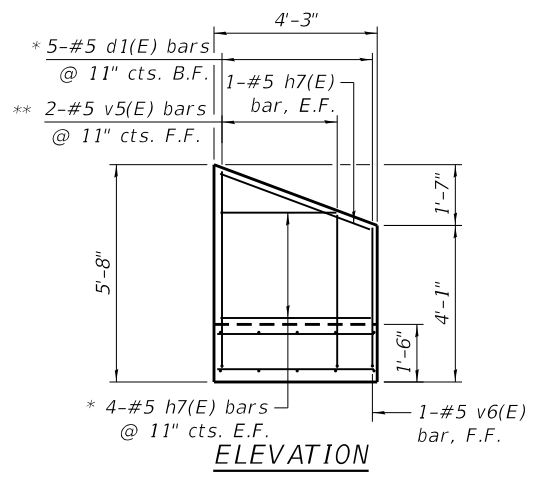
**ELEVATION**

\* Cut to fit  
\*\* See field cutting diagram

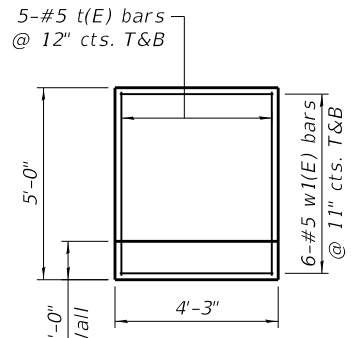


**PLAN**

**NW WINGWALL EXTENSION**

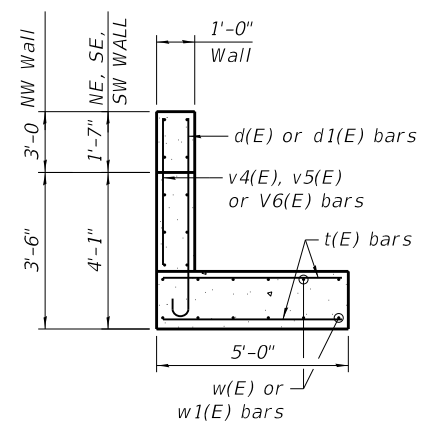


**ELEVATION**



**PLAN**

**NE, SE AND SW WINGWALL EXTENSIONS**



**CROSS SECTION**

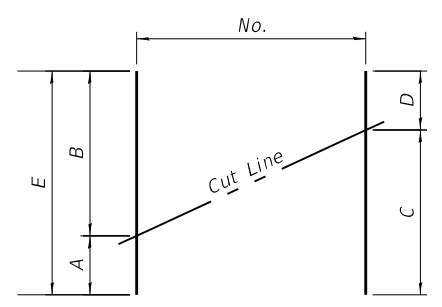
**BILL OF MATERIAL**

(Two Abutments)

Bar	No.	Size	Length	Shape
d(E)	8	#5	6'-5"	—
d1(E)	15	#5	5'-9"	—
h(E)	88	#7	14'-2"	—
h1(E)	4	#7	11'-11"	—
h2(E)	4	#5	15'-9"	—
h3(E)	4	#5	10'-2"	—
h4(E)	2	#5	10'-5"	—
h5(E)	2	#5	10'-8"	—
h6(E)	12	#5	6'-6"	—
h7(E)	30	#5	3'-11"	—
p(E)	20	#7	34'-4"	—
s(E)	64	#6	14'-4"	□
s1(E)	20	#5	4'-4"	□
s2(E)	4	#6	15'-4"	□
s3(E)	8	#6	8'-2"	□
t(E)	46	#5	4'-8"	—
u(E)	16	#6	12'-4"	—
v(E)	162	#8	6'-6"	—
v1(E)	40	#5	7'-5"	—
v2(E)	18	#5	12'-8"	—
v3(E)	6	#5	13'-7"	—
v4(E)	4	#5	6'-3"	—
v5(E)	6	#5	6'-5"	—
v6(E)	3	#5	2'-4"	—
w(E)	12	#5	6'-5"	—
w1(E)	36	#5	3'-11"	—

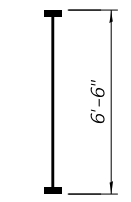
Item	Unit	Quantity
Structure Excavation	Cu. Yd.	131
Concrete Structures	Cu. Yd.	53.5
Reinforcement Bars, Epoxy Coated	Pound	10,430
Furnishing Metal Shell Piles, 14" x 0.312"	Foot	360
Driving Piles	Foot	360
Test Pile, Metal Shells	Each	2
Granular Backfill for Structures	Cu. Yd.	195
Geocomposite Wall Drain	Sq. Yd.	103
Concrete Headwalls or Pipe Drains	Each	2
Pipe Underdrains for Structures 4"	Foot	157
Rodent Shields	Each	2

Notes:  
Pour steps monolithically with cap.  
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.  
For details of piles see sheet S14

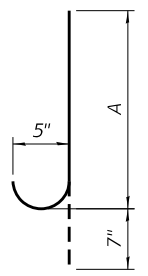


**FIELD CUTTING DIAGRAM**

Bar	No.	A	B	C	D	E
h1(E)	2	13'-2"	9'-1"	10'-5"	11'-10"	22'-3"
v2(E)	3	7'-4"	5'-4"	6'-6"	6'-2"	12'-8"
v3(E)	3	7'-5"	6'-2"	6'-8"	6'-11"	13'-7"
v4(E)	4	1'-8"	4'-7"	2'-11"	3'-4"	6'-3"
v5(E)	2	3'-9"	2'-8"	3'-5"	3'-0"	6'-5"

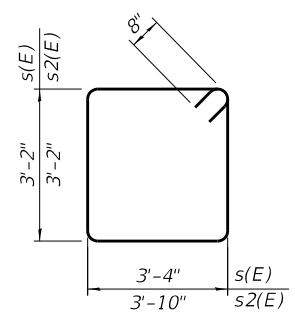


**BAR v(E)**  
(Headed)

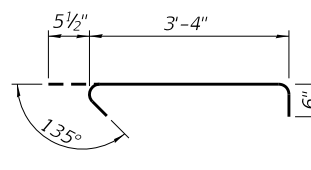


**BARS d(E) or d1(E)**

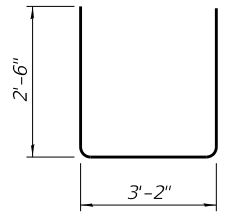
Bar	A
d(E)	5'-10"
d1(E)	5'-2"



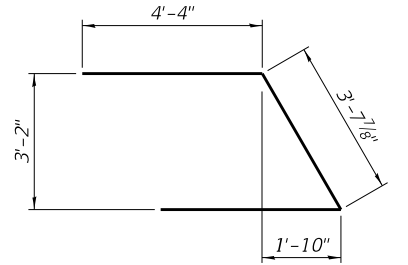
**BAR s(E) & s2(E)**



**BAR s1(E)**



**BAR s3(E)**



**BAR u(E)**

MODEL: D:\info\... ENGINEERING RESOURCE ASSOCIATES



USER NAME = kkolodziejczyk  
PLOT SCALE = 2400,0000" / ft.  
PLOT DATE = 4/29/2024

DESIGNED - K. KOLODZIEJCZYK  
DRAWN - K. KOLODZIEJCZYK  
CHECKED - M. LANGE  
DATE - 12/27/2023

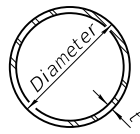
REVISED - 04/25/2024  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS  
SN 019-5430**

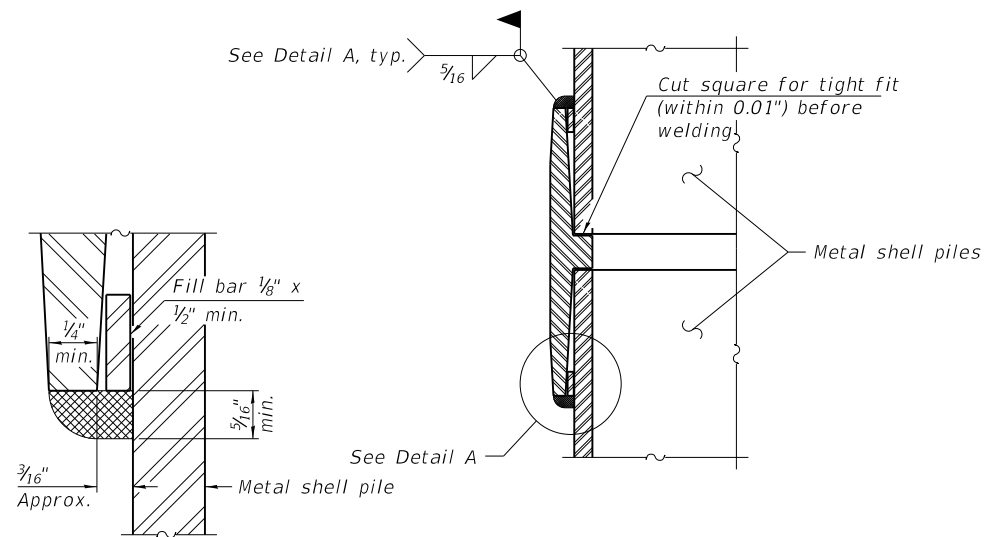
SHEET S13 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	29
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

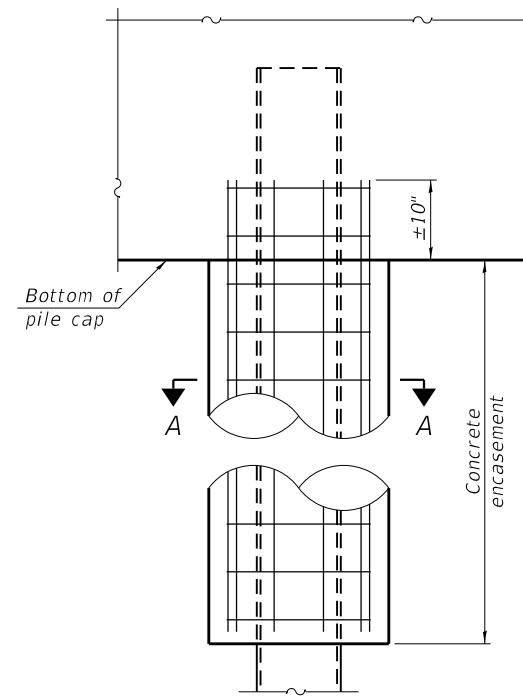


**METAL SHELL PILE TABLE**

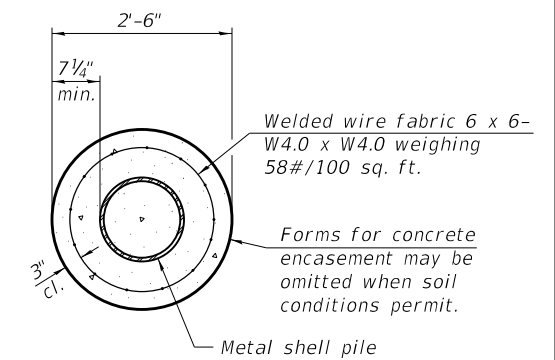
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. <sup>3</sup> /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



**DETAIL A**

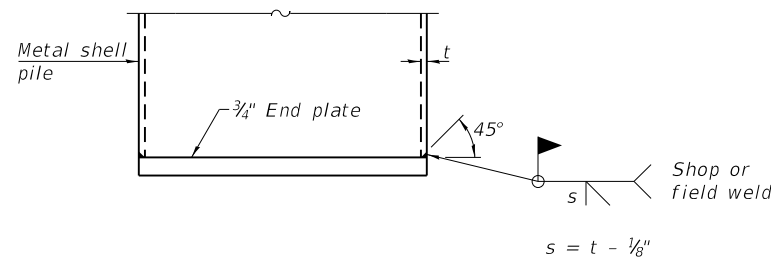


**ELEVATION**



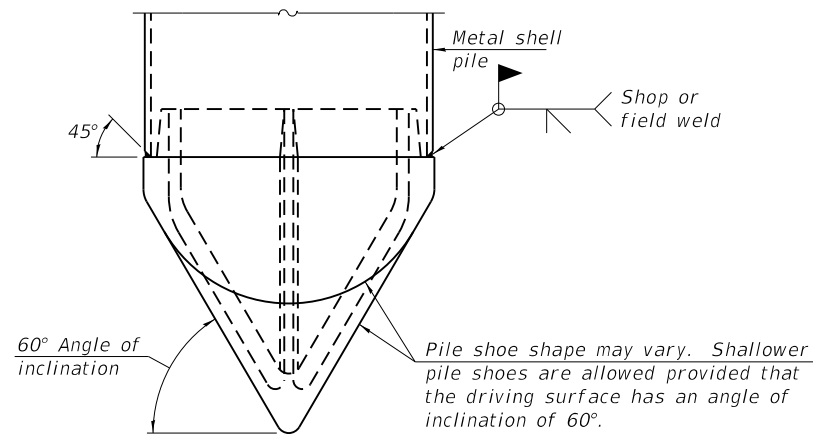
**SECTION A-A**

**INDIVIDUAL PILE CONCRETE ENCASUREMENT**  
(When specified)



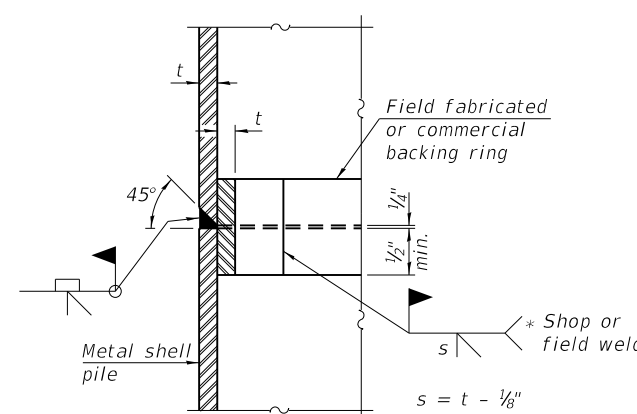
**END PLATE ATTACHMENT**

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



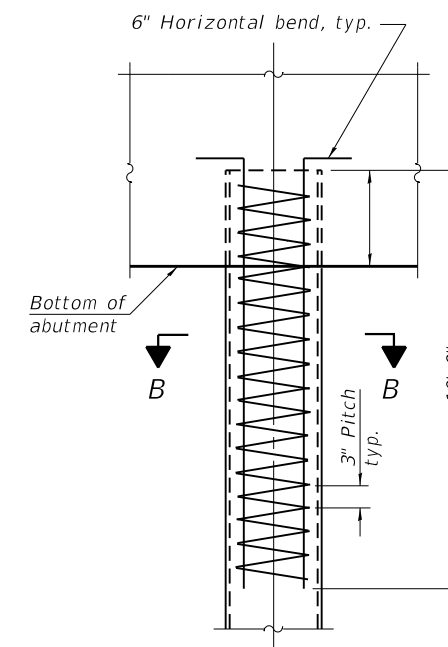
**PILE SHOE ATTACHMENT**

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



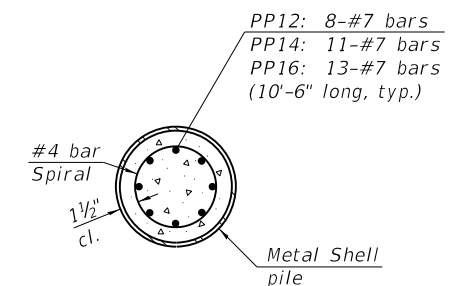
**COMPLETE PENETRATION WELD SPLICE**

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



**ELEVATION**

**REINFORCEMENT AT ABUTMENTS**  
(Omit when concrete encasement is specified)



**SECTION B-B**

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

F-MS 2-1-2023



USER NAME = Kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
PLOT SCALE = 4800,0000 "/> <td>DRAWN - K. KOLODZIEJCZYK</td> <td>REVISED -</td>	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS  
SN 019-5430**

SHEET S14 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	30
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

MODEL: D:\Info\... F-MS-MS-... 4/29/2024 5:13:55 PM

ROUTE TR 230 DESCRIPTION SB lane of Pritchard Road LOGGED BY J. Watrobka

SECTION 19-17129-00-BR LOCATION South Abutment

COUNTY DeKalb County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 019-5430  
Station 105+43.76

BORING NO. BSB-01  
Station 104+89.48  
Offset 7.97LT  
Ground Surface Elev. 739.82 ft

Surface Water Elev. 732.28 ft  
Stream Bed Elev. 729.30 ft

Groundwater Elev.:  
First Encounter 11 ft  
Upon Completion 13 ft  
After Hrs. N/A

DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (SPT)	DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (SPT)
0 - 739.40	Approximately 5 inches of ASPHALT FILL			0 - 718.82	Medium dense, gray coarse-grained SAND, some gravel and fines (continued)		
739.40 - 738.66	Approximately 9 inches of GRAVEL FILL			718.82 - 716.32	Very stiff, gray SILTY CLAY LOAM, some sand and gravel	8	2.0 B
738.66 - 736.00	FILL: black, brown, and gray silty clay, trace sand and gravel 2% Organic Content	2 3 6	1.5 P	716.32 - 713.82	Very stiff, gray SILTY CLAY LOAM, little gravel, trace sand	9 10 14	1.8 B
736.00 - 733.00	5% Organic Content	2 3 -5	0.9 B	713.82 - 711.32	Medium dense, gray SAND and GRAVEL, some fines	23 10 12	
733.00 - 730.00	4% Organic Content	3 2	0.5 P	711.32 - 706.32	Medium dense, brown fine-grained SAND, little gravel	10 12 -30	17
730.00 - 728.82	4% Organic Content	2 -10	0.5 P	706.32 - 701.32	Medium dense, brown fine-grained SAND, trace gravel	6 8 -35	16
728.82 - 728.32	Gray coarse grained SAND, some gravel	0 3	2.9 B	701.32 - 700.00	Dense to very dense, brown and gray medium to coarse grained SAND, little to some gravel	11 17 -40	11
728.32 - 721.32	Stiff to very stiff, brown SILTY CLAY, trace sand and gravel	6					
721.32 - 718.82		7 5 -15	2.1 B				
718.82 - 716.32		6 8 12	2.4 B				
716.32 - 713.82		8 13 -20					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

ROUTE TR 230 DESCRIPTION SB lane of Pritchard Road LOGGED BY J. Watrobka

SECTION 19-17129-00-BR LOCATION South Abutment

COUNTY DeKalb County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 019-5430  
Station 105+43.76

BORING NO. BSB-01  
Station 104+89.48  
Offset 7.97LT  
Ground Surface Elev. 739.82 ft

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After Hrs. N/A

DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (SPT)	DEPTH (ft)	SOIL DESCRIPTION	U (tsf)	M (SPT)
0 - 676.32	Dense to very dense, brown and gray medium to coarse grained SAND, little to some gravel (continued)			676.32 - 695.32	Very dense, gray SANDY LOAM, little gravel (continued)		
676.32 - 695.32		26 29	14	695.32 - 691.32	Very dense, gray medium to coarse grained SAND, little to some gravel and rock chips	19 24	10
695.32 - 691.32	Very dense, gray fine-grained SAND, trace gravel	-45	37	691.32 - 686.32	Very dense, gray SANDY LOAM, little gravel	3 8 -50	16
691.32 - 686.32				686.32 - 664.82	Medium dense, gray medium grained SAND, trace gravel	2 5 -55	13
686.32 - 681.32				664.82 - 681.32	End of boring at approximately 75 feet below existing grade.	5 10 -75	2.9 B
681.32 - 680.00	Very dense, gray SANDY LOAM, little gravel	10 16 -60	15				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

MODEL: D:\info\... \VCS\DeKalb\CityHighway\Department\W22087.00 Pritchard Road Bridge\CADD\_SS\0104\_Structural\03\_Sheet\16\_Structural Sheets\019-5430-04\22087-S1-5-SoilBoring.dgn



USER NAME = kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
DRAWN - K. KOLODZIEJCZYK	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 2400,0000 1/ft.	DATE - 12/27/2023	REVISED -
PLOT DATE = 4/29/2024		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING I  
SN 019-5430

SHEET S15 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	31
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

ROUTE TR 230 DESCRIPTION NB lane of Pritchard Road LOGGED BY P. Patel

SECTION 19-17129-00-BR LOCATION North Abutment

COUNTY DeKalb County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 019-5430  
Station 105+43.76

BORING NO. BSB-02  
Station 106+29.05  
Offset 8.25RT  
Ground Surface Elev. 739.79 ft

Surface Water Elev. 732.28 ft  
Stream Bed Elev. 729.30 ft

Groundwater Elev.:  
First Encounter 13.5 ft  
Upon Completion N/A ft  
After Hrs. N/A

SOIL DESCRIPTION	DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)
Approximately 4 inches of ASPHALT FILL	739.46				Stiff to very stiff, gray SILTY CLAY, trace to little sand and gravel (continued)				
Approximately 10 inches of GRAVEL FILL	738.63								
FILL: dark brown to black silty clay, trace gravel 4% Organic Content	4	3	1.3 P	20		23	35	2.8 P	10
Some gravel 4% Organic Content	4	6	2.1 B	20		8	8	2.6 B	9
4% Organic Content	2	2		22		6	6	2.0 B	10
Medium stiff, gray SILTY CLAY LOAM, little sand, trace gravel Interbedded sand and silt lenses observed 4% Organic Content	0	0	0.6 B	44		3	4	2.2 B	10
Stiff, brown silty CLAY, trace sand and gravel	3	4	2.1 B	11					
Medium dense, gray SANDY LOAM, some gravel	3	5	1.6 B	12		10	6		8
Stiff to very stiff, gray SILTY CLAY, trace to little sand and gravel	8	9	1.8 B	11					
Stiff, gray SILT, trace sand and gravel	7	11	1.8 B	8		3	4	1.8 P	17

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

ROUTE TR 230 DESCRIPTION NB lane of Pritchard Road LOGGED BY P. Patel

SECTION 19-17129-00-BR LOCATION North Abutment

COUNTY DeKalb County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 019-5430  
Station 105+43.76

BORING NO. BSB-02  
Station 106+29.05  
Offset 8.25RT  
Ground Surface Elev. 739.79 ft

Surface Water Elev. 732.28 ft  
Stream Bed Elev. 729.30 ft

Groundwater Elev.:  
First Encounter 13.5 ft  
Upon Completion N/A ft  
After Hrs. N/A

SOIL DESCRIPTION	DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	DEPTH (ft)	UCS (tsf)	MOISTURE (%)
Stiff, gray SILT, trace sand and gravel (continued)					Very dense, gray SANDY LOAM, trace gravel (continued)				
Stiff, gray SILTY LOAM, little sand, trace gravel	0	4		21	Medium dense, gray SANDY LOAM, trace gravel	6	7		16
Very dense, gray SANDY LOAM, trace gravel	29	22		17	Very stiff, gray SILTY CLAY, trace sand and gravel	11	15	3.3 B	17
End of boring at approximately 75 feet below existing grade.									
Stiff, gray SILT, trace sand and gravel	39	26		14					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

MODEL: D:\info\... \VCS\DeKalb\CityHighway\Department\W22087.00 Pritchard Road Bridge\CADD\_SS\0104\_Structural\03\_Sheet\16\_Structural Sheets\019-5430-04\22087-S16-SoilBoring.dgn



USER NAME = Kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
DRAWN - K. KOLODZIEJCZYK	CHECKED - M. LANGE	REVISED -
PLOT SCALE = 2400,0000" / ft.	DATE - 12/27/2023	REVISED -
PLOT DATE = 4/29/2024		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING II  
SN 019-5430

SHEET S16 OF S23 SHEETS

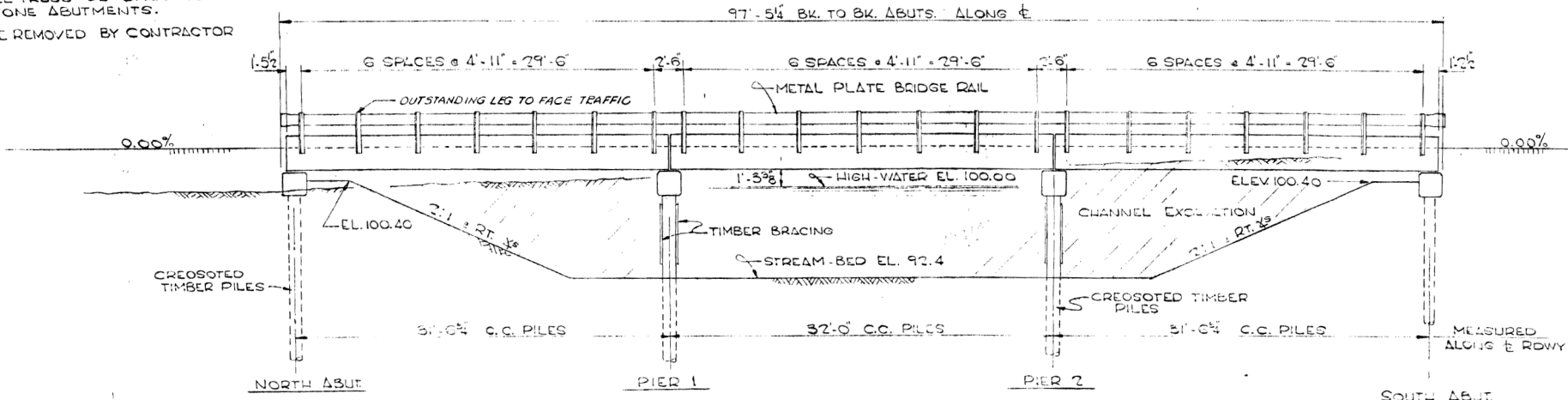
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	32
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



B.M. SPIKE IN POWER POLE 24' RT.  
STA. 6+71 ELEV. 100.00 (ASSUMED)

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROJECT NO2 DEKALB	DEKALB	8	4
SQUAW GROVE ROAD DISTRICT			
STA.		TO STA.	

EXISTING STRUCTURE: STA. 9+45  
STEEL TRUSS 60' SPAN 12' ROW.  
CUT STONE ABUTMENTS.  
TO BE REMOVED BY CONTRACTOR



**SUMMARY OF QUANTITIES - BRIDGE**

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH			1
PRECAST CONCRETE BRIDGE SLABS	SQ. FT.	2513		2513
PRECAST CONCRETE CAPS	UNIT		132	132
METAL PLATE BRIDGE RAIL	LINEAL FT.	187		187
NAME PLATES	UNIT	1		1
FURNISHING CREOSOTED PILES 201 TO 55	UNIT		600	600
DRIVING TIMBER PILES	LINEAL FT.		660	660
TEST PILE TIMBER	EACH		2	2
TREATED TIMBER	LINEAL FT.		456	456
HARDWARE	UNIT		170	170

**GENERAL NOTES:**

STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION ADOPTED BY THE DEPT. OF PUBLIC WORKS & BUILDINGS, JAN. 2, 1958 SHALL APPLY.

THE SUPPLEMENTAL SPECIFICATIONS EFFECTIVE JAN. 3, 1958 ALSO APPLY TO THIS WORK.

ALL UNITS TO BE PRECAST AND LOGGABLE IN FIELD. CURBS SHALL BE PRECAST MONOLITHICALLY WITH EXTERIOR BELMS AT END OF PRECASTING.

A LIFTING DEVICE WITH SLINGS FOR PRECAST CAPS & BEAMS SHALL BE INSTALLED BY THE FABRICATOR OF PRECAST UNITS TO ACCOMMODATE LIFTING OF UNITS WITH A SAFETY FOR THE SOLE.

THE CONTRACTOR SHALL DRIVE 2 INCHER TEST PILES IN A ROW ABOUT 10' FROM CENTERLINE OF THE CHANNEL BEFORE THE END OF PRECASTING OF PILES.

THE COST OF LEAVE A EXAMINATION FOR STRUCTURES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT OF PRECAST CONCRETE CAPS.

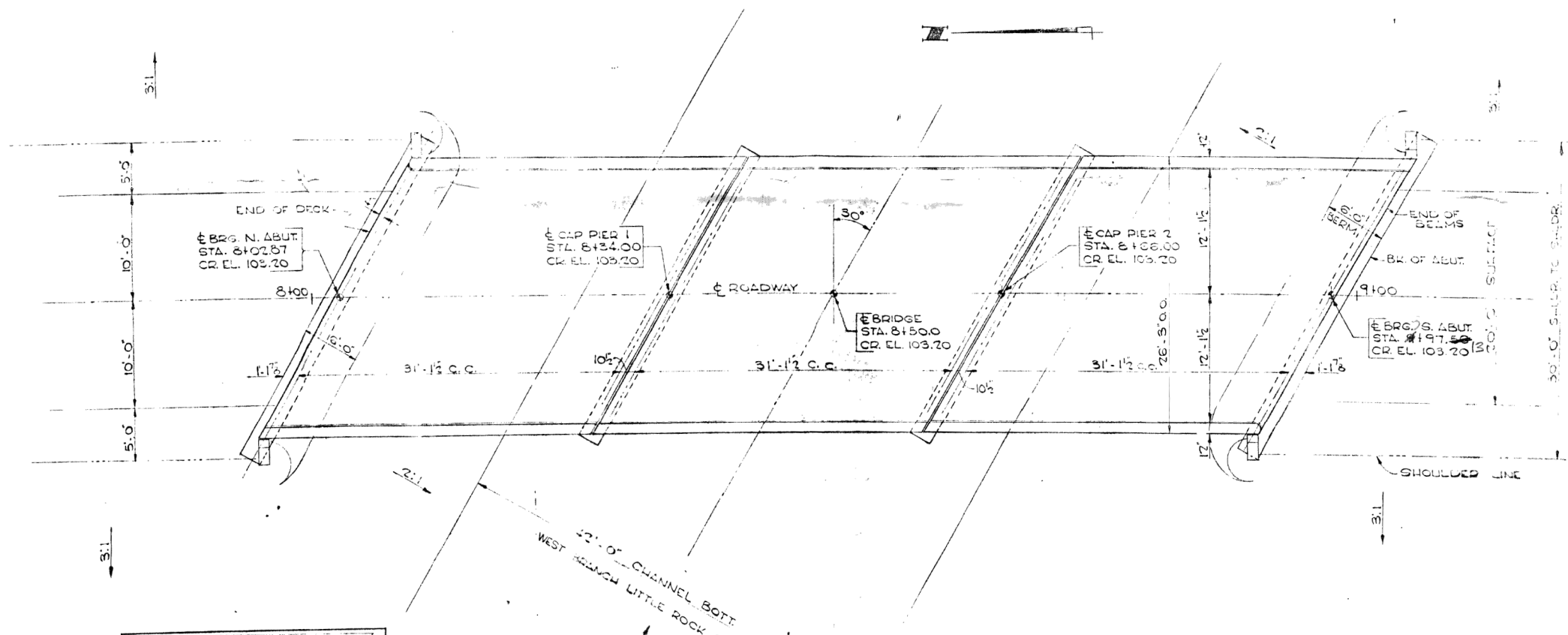
TREATED TIMBER SHALL BE FULL DRYED ROYAL DOUGLAS FIR OR SOUTHERN PINE, FULLY END GRIPPED AND INSTALLED IN ACCORDANCE WITH ART. 106 OF THE STD. SPECIFICATIONS. ALL IRONWORK SHALL BE GALVANIZED.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL FILL AND ALL CONCRETE IN THE BRIDGE AND CAPS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE BRIDGE UNIT INVOLVED.

FOR ITEM "PRECAST CONCRETE CAPS" SEE SPECIAL PROVISIONS.

CHANNEL EXCAVATION SHALL BE CARRIED OUT IN VICINITY OF THE PILE BEFORE IT IS DRIVEN.

THE COST OF THE FABRIC PADS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE BRIDGE DECK.



EVANS BRIDGE  
W. BR. LITTLE ROCK CREEK  
PROJECT NO. 2-67 - BUILT 1967  
SQUAW GROVE RD. DIST.  
DEKALB COUNTY  
LOADING HS-15

LETTERING FOR NAME PLATE  
ILL. STD. 2113-1

**WATERWAY DATA**

DRAINAGE AREA: 17000 ACRES  
CHARACTER: LEVEL, ROLLING & CULTIVATED  
EXIST. OPENING: 120.90 FT.  
REQD. OPENING: 120.90 FT. (10 YR. FLOOD)  
PROP. OPENING: 120.90 FT.

**DESIGN STRESSES (PER TEST LIMITS)**

$f_c = 4500$  psi  
 $f_c = 1800$  psi  
 $f_s = 20000$  psi  
 $n = 8$   
LOADING HS-15

**GENERAL NOTES AND ELEVATION**  
EVANS BRIDGE OVER W. BR. LITTLE ROCK CR.  
PROJECT NO. 2-67 - SQUAW GROVE RD. DIST.  
DEKALB COUNTY  
STATION 8+150

DESIGNED BY D. HUFFMAN	
DRAWN BY R. R.	
CHECKED BY T. D. G.	
REVISOR	

**W. KNETSCH**  
ENGINEER  
DEKALB ILLINOIS

MODEL: D:\data\... ENGINEERING RESOURCE ASSOCIATES



USER NAME = Kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
PLOT SCALE = 2400,0000 1/1.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

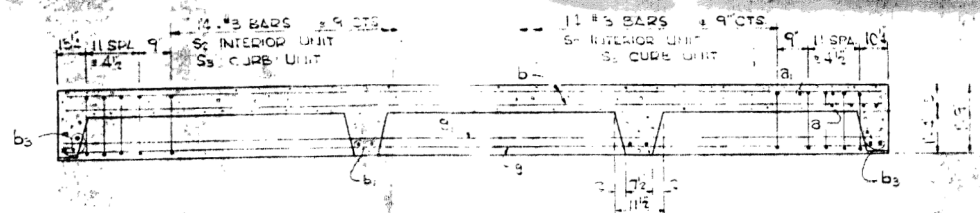
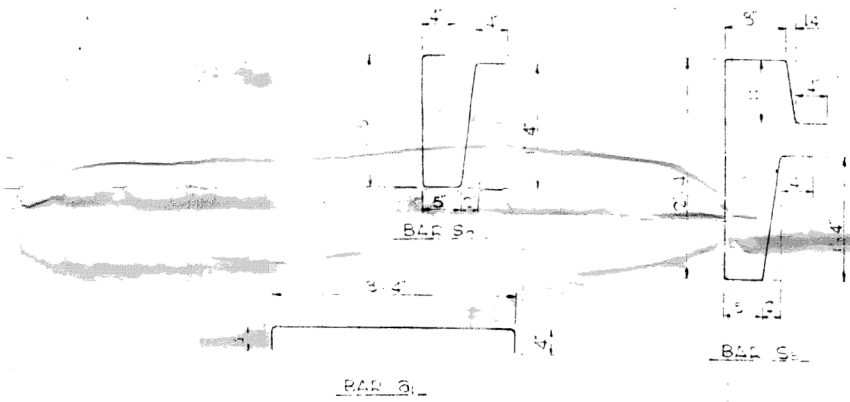
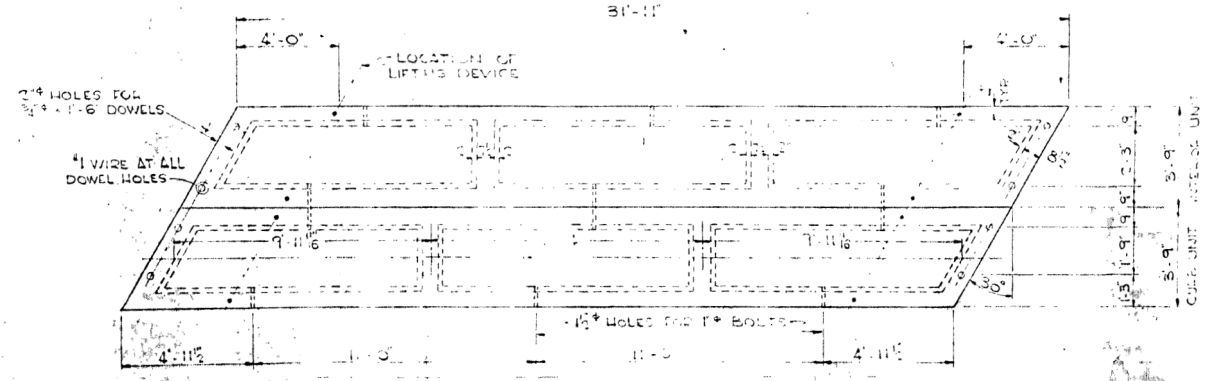
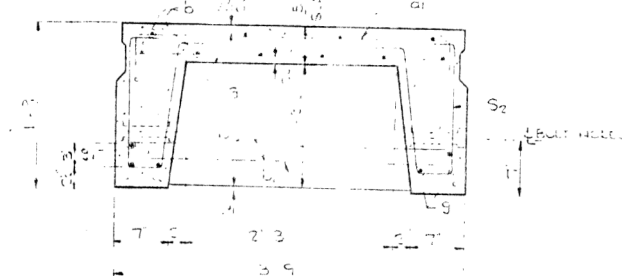
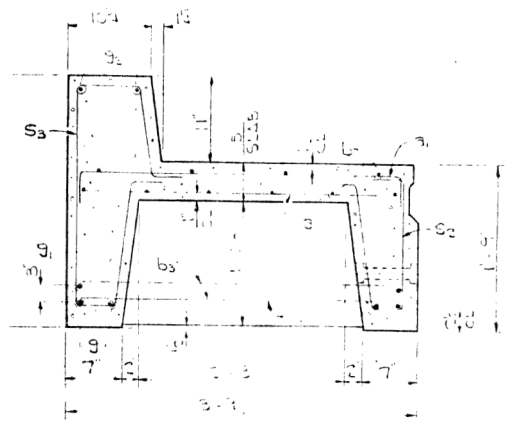
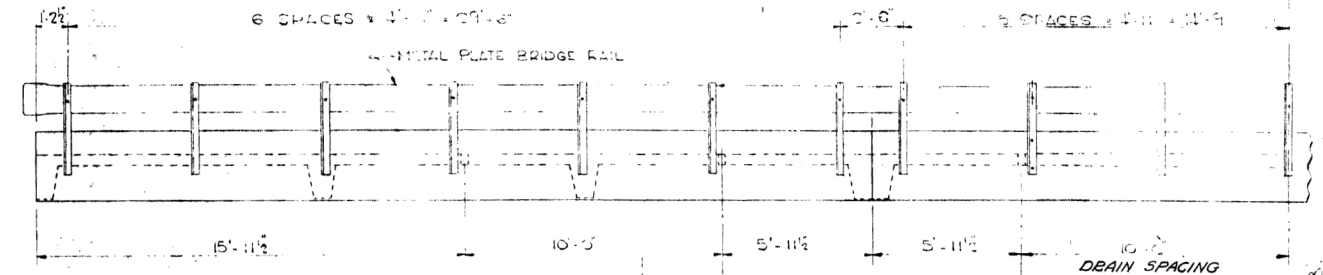
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS I  
SN 019-5430

SHEET S17 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	33
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



BILL OF MATERIALS - PER FOOT

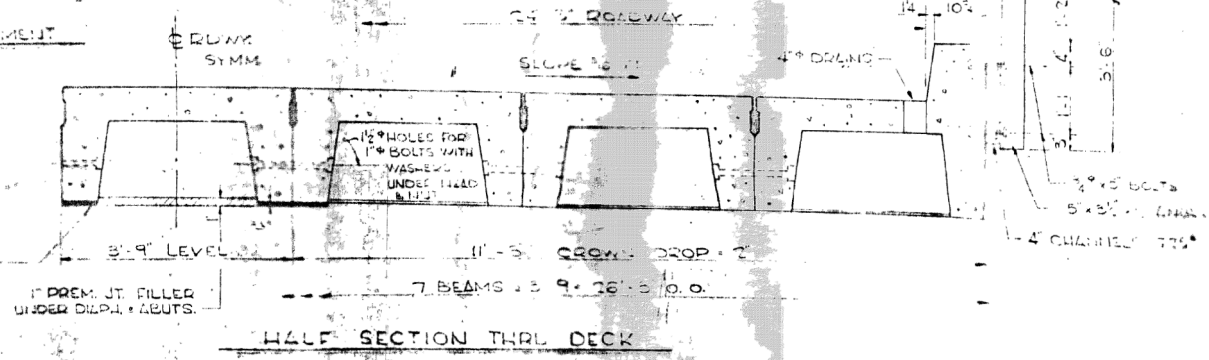
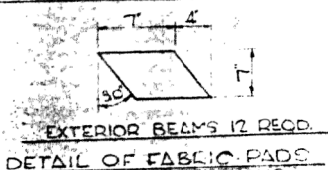
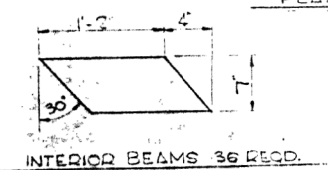
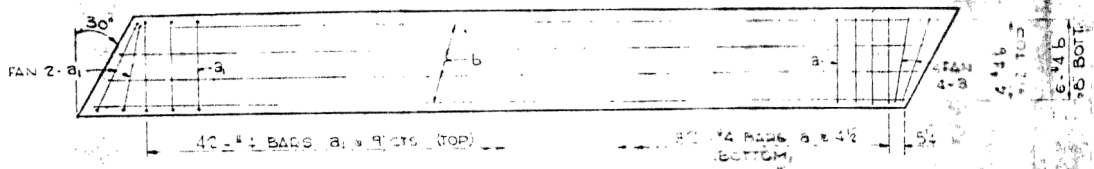
ITEM	QUANTITY	TOTAL
PREPARED CONCRETE	2 FT	2.00
METAL PLATE BRIDGE RAIL	1.00	1.00
NAME PLATE	1.00	1.00

STRESSES

$f_c$	4500 PSI
$f_s$	18000 PSI
$f_t$	20000 PSI
$n$	8

TABLE OF MATERIALS PER UNIT

ITEM	UNIT	CURB UNIT	INTERIOR UNIT
CONCRETE	CU YD	1.00	1.00
STEEL	LB	345	345
BRIDGE RAIL	LB	100	100
NAME PLATE	EA	1	1
TOTAL WEIGHT	LB	545	545



DETAILED  
PROJECT NO. 1967  
SQUAN GROVE RD. DISTRICT  
DEKALB COUNTY  
STATION 8+50

FOR INFORMATION ONLY

MODEL: D:\data\... \V\Roadway\Department\W22087.00\Highway\District\Road\Bridges\CADD\_SS\0104\_Structural\03\_Sheet\16\_Structural\Sheet16\_Structural\Sheet16\_22087-516-Structural.dgn



USER NAME = Kkolodziejczyk  
DESIGNED - K. KOLODZIEJCZYK  
DRAWN - K. KOLODZIEJCZYK  
CHECKED - M. LANGE  
DATE - 12/27/2023

DESIGNED - K. KOLODZIEJCZYK  
DRAWN - K. KOLODZIEJCZYK  
CHECKED - M. LANGE  
DATE - 12/27/2023

REVISED - 04/25/2024  
REVISED -  
REVISED -  
REVISED -

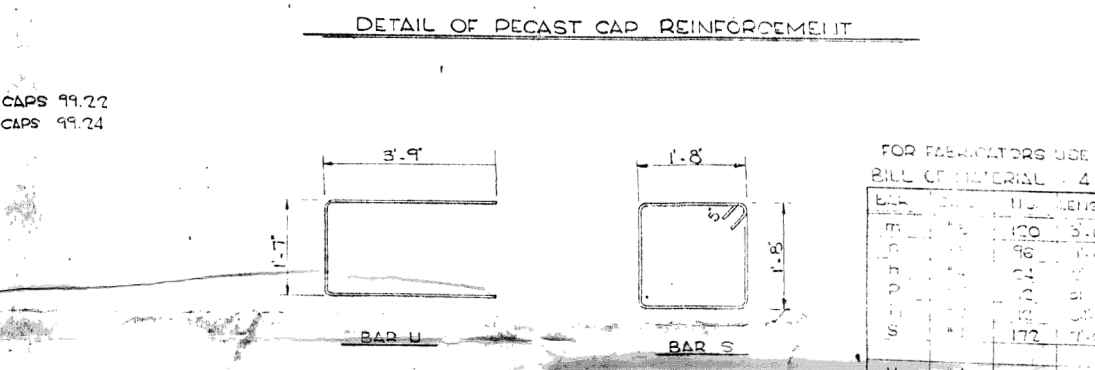
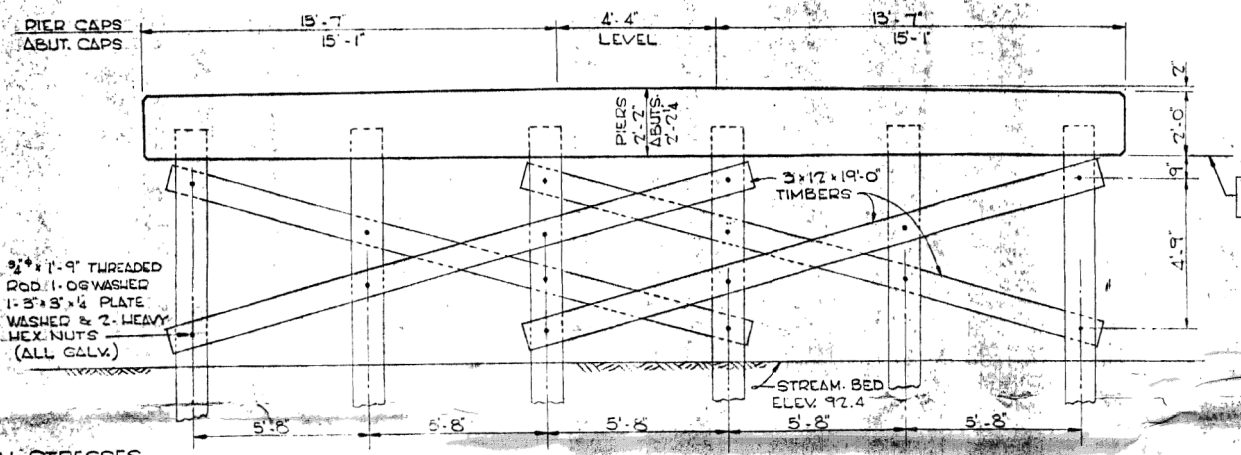
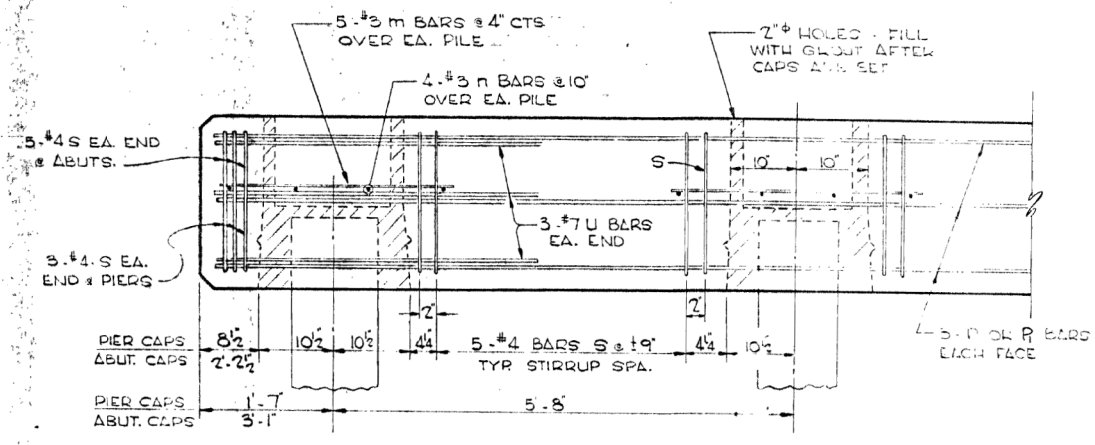
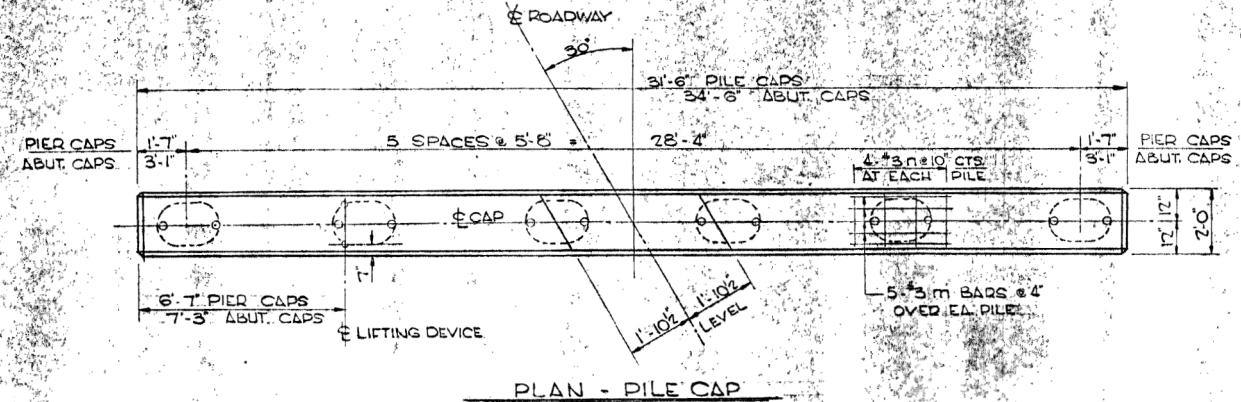
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS II  
SN 019-5430

SHEET S18 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	34
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

PROJECT NO. 2	DEKALB	TOTAL SHEETS	8	SHEET NO.	6
SQUAW GROVE ROAD DISTRICT					
STA. 10+00		STA. 10+00			

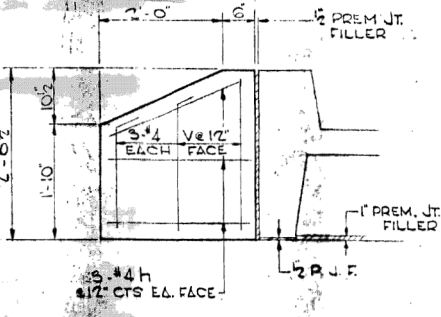


FOR FABRICATORS USE ONLY  
BILL OF MATERIAL - 4 CAPS

ITEM	QTY	UNIT	SHAPE
BAR U	120	5'-0"	
BAR S	96	1'-6"	
...	...	...	...
...	172	1'-6"	
...	24	2'-0"	
...	24	4'-0"	
CLASS X 7 COMPLETE PLYWOOD			170
REINFORCING BARS	103		3100

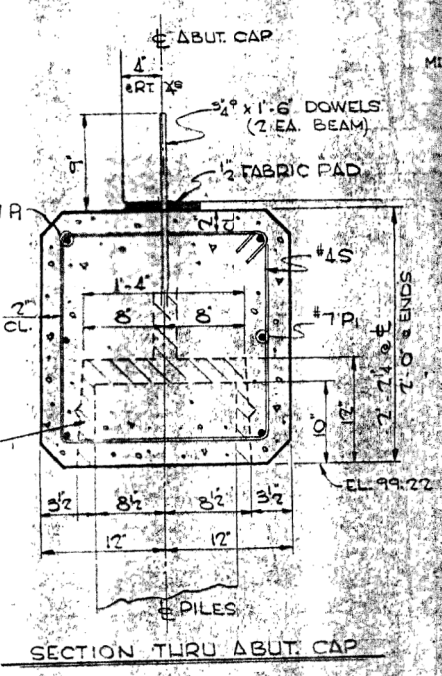
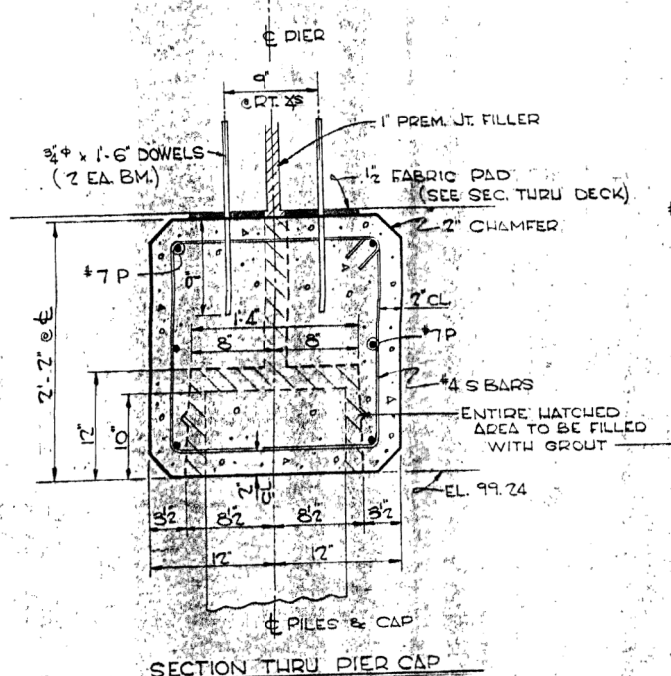
**DESIGN STRESSES**  
 $f_c = 1800$  PSI  
 $f_c = 4500$  PSI  
 $f_s = 20,000$  PSI  
 $n = 8$

**PILE DATA**  
 TYPE: CREOSOTED TIMBER  
 MIN. CAPACITY: ABUTS. 19 TON  
 PIERS 24 TON  
 EST. LENGTH: 30 FEET  
 NO. REQ. N. ABUT. 5+1 TEST PILE  
 PIER 1: 6  
 PIER 2: 5+1 TEST PILE  
 S. ABUT. 6  
 MIN. PENETRATION: EL. 77.0

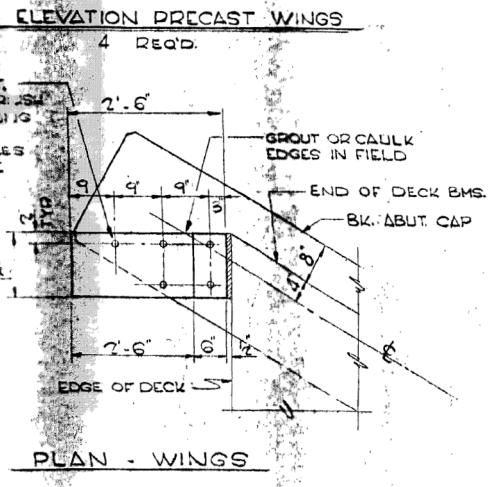


BILL OF MATERIAL - SUBSTRUCTURE

ITEM	UNIT	QUANTITY
PRECAST CONCRETE CAPS	LINEAL FEET	132
FURNISHING & INSTALLATION OF CAPS	LINEAL FEET	660
DRIVING & REMOVAL OF PILES	LINEAL FEET	660
TEST PILES	EA.	2
HARDWARE	LEBS	170
TREATED TIMBER	CBM	456



5-1/2" HOLES, FULL HEIGHT, CAST INTO END-BLOCK. FURNISH 5-#6 REINF. BARS 5'-0" LONG TO BE SET INTO 12" DEEP DRILLED & GROUTED HOLES IN ABUT. CAPS. BY BRIDGE CONTRACTOR.



**GENERAL NOTES:**  
 THE END-BLOCKS DETAIL SHOWN ARE PRECAST UNITS. AFTER THE DECK HAS BEEN SET AND GROUTED IN PLACE, THE CONTRACTOR SHALL POSITION THE END-BLOCKS AS INDICATED ON BRIDGE SHEET NO. 1 AND SHALL GROUT IN PLACE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAL FOOT OF CONTRACT CONCRETE CAP.  
 BEFORE GROUTING PILES OVER PILES, THE PILE CAP SHALL BE SECURELY BLOTTED & CHIMNEY TO OBTAIN THE ELEVATIONS AND SLOPES SHOWN ON THE PLANS.  
 GROUT MIXTURE (PART 1:2:3 PART CEMENT, 1 1/2 PARTS CHIPS, PEA GRAVEL, (WATER 1/2 SLUMP))

ABUTMENT & PIER DETAILS  
 PROJECT NO. 2 - 1967  
 SQUAW GROVE RD. DIST.  
 DEKALB COUNTY  
 STATION 8+50

MODEL: D:\data\1\232\cadd\highway\Department\W22087.00\Richard Road Bridge\CADD\_SS\0104\_Structural\Sheet\16\_Structural Sheets\0195-04-222087-516-5-Rev.dgn  
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USER NAME = Kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
PLOT SCALE = 2400,0000 1/16"	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

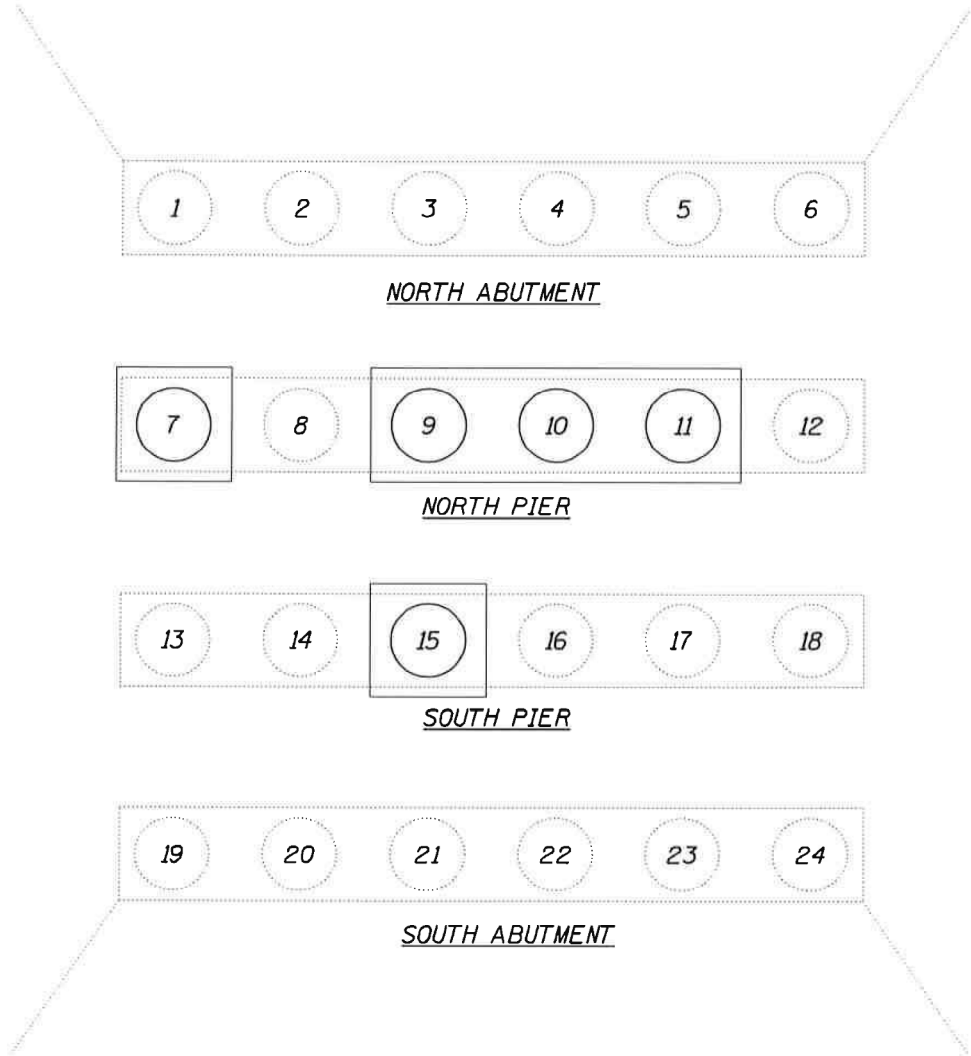
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS III  
 SN 019-5430

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	35
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

SHEET S19 OF S23 SHEETS

FOR INFORMATION ONLY



☐ - Denotes Piles To Be Repaired



Expires: November 30, 2014

**GENERAL NOTES**

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All structural steel used for timber pile repairs shall be unpainted. All traffic shall be removed from the structure during repair. The Contractor shall provide support and/or shoring systems for the cap and superstructure in the area of timber pile repair. Existing backing planks shall be notched as required for plate installation. All hardware shall be hot-dipped galvanized and have a minimum bending yield strength  $F_y$  of 45,000 psi. As built plans must be provided to the Bureau of Bridges and Structures upon completion of the project, indicating which Alternate Method was used.

**TIMBER PILE REPAIR CONSTRUCTION METHOD**

1. Provide temporary support for the superstructure before starting repairs.
2. Only one pile shall be repaired at a time to ensure stability of the substructure unit. The Contractor's Sequence of Construction shall be approved by the Engineer prior to the start of construction.
3. Cut off timber pile level, through a non-deteriorated cross section, to allow full bearing contact with the bottom base plate of the steel pile assembly (Alternate 1) or Pile Stub Assembly (Alternate 2 & 3). Remove section of timber pile. Top of remaining timber pile shall be coated with Copper Naphthenate meeting the material requirements of AWPA Standard M4-06.
4. Top of deteriorated timber pile section shall be removed or cut flush with the bottom of the existing pile bent cap.
5. Install Bottom Base Plate (Alternate 1) or Pile Stub Assembly (Alternate 2 & 3). Bottom base plate shall bear on pile in a level position. Field measure the length required for the steel pile assembly (Alternate 1 & 2) or Steel Sleeve Assembly (Alternate 3), allowing for the  $\frac{1}{2}$ " bottom base plate.
6. Cut steel pile assembly (Alternate 1 & 2) or Steel Sleeve Assembly (Alternate 3) to required length and grind ends to be field welded.  $\frac{1}{2}$ " cap plate should be shop welded to the steel pile.
7. Place steel pile assembly (Alternate 1 & 2) or Steel Sleeve Assembly (Alternate 3) in the removed pile location. Position the steel pile on bottom base plate. Field weld the steel pile to bottom base plate at locations shown.
8. Connect cap plate to the existing pile bent cap. Use shop fabricated cap plates as a template for drilling holes into the existing pile bent cap. Provide shims for tight fit if necessary. Install  $\frac{3}{4}$ " wedge anchors or lag screws as required.
9. Repeat procedures for all remaining piles to be repaired.

**DESIGN SPECIFICATIONS**

2002 AASHTO

**DESIGN STRESSES**

FIELD UNITS (NEW CONSTRUCTION)

$f'_c$  = 3,500 psi (Concrete Pile Encasement)  
 $f_y$  = 60,000 psi (Reinforcement)  
 $f_y$  = 36,000 psi (Structural Steel)  
 unless otherwise noted

**LOADING HS15-44 - NEW CONSTR.**

**TIMBER PILE REPAIRS**

**PRITCHARD ROAD OVER W BR LITTLE ROCK CREEK**

**DEKALB COUNTY**

**STRUCTURE NO. 019-5417**

DESIGNED WAB	EXAMINED <i>Timothy A. Delt</i>	DATE - September 3, 2013
CHECKED JAE	PASSED <i>David Carl Puzey</i>	REVISED
DRAWN WAB	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED
CHECKED JAE		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET NO. 1 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DEKALB		
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MODEL: D:\info\... \CD\Chgo\Highway\Department\W22087.00 Pritchard Road Bridge\Structural\Sheet16\_Structural\Sheet16\_Structural\Sheet16\_Structural\Sheet16\_Structural\Sheet16\_Structural.dgn



USER NAME = kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
PLOT SCALE = 2400,0000' / ft.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

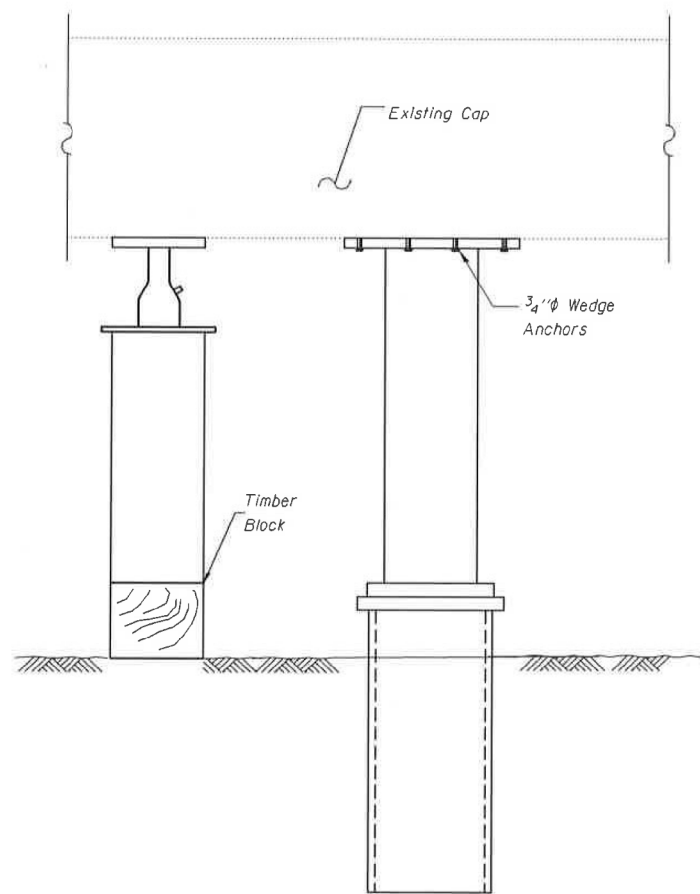
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLANS IV  
SN 019-5430**

SHEET S20 OF S23 SHEETS

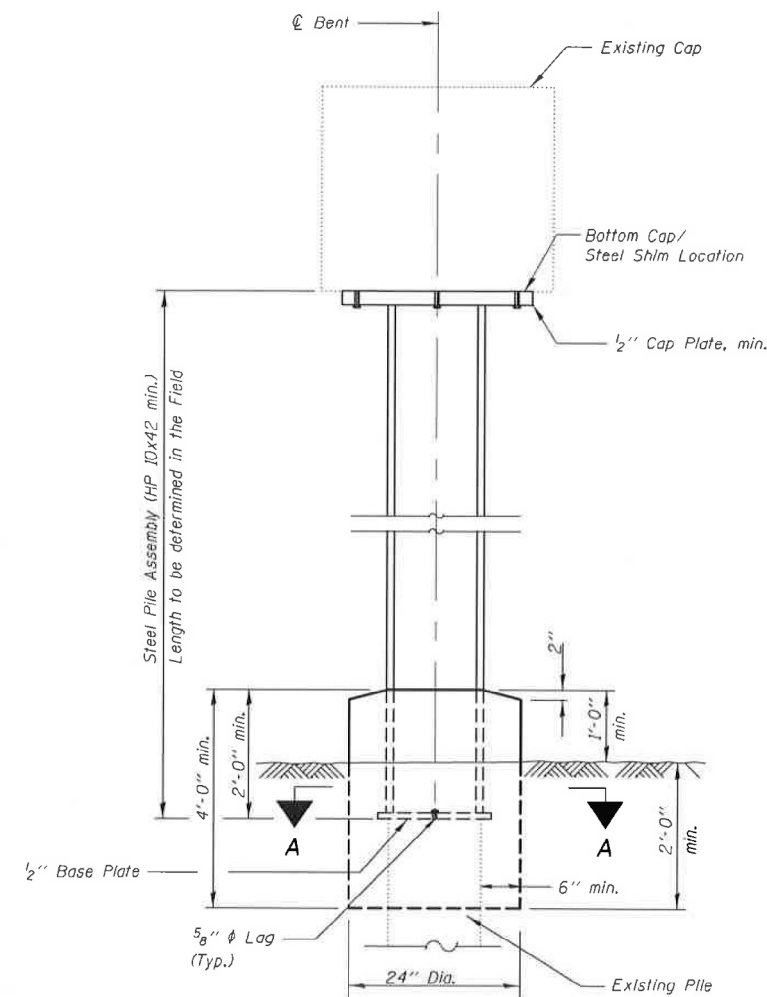
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	36
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



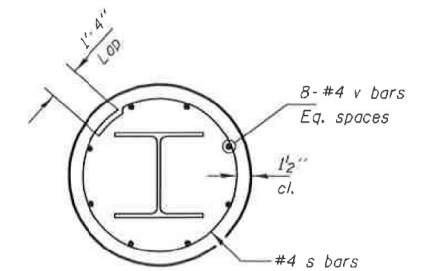
**TEMPORARY SUPPORT**

Temporary support must be less than half the spacing to the adjacent pile but not to exceed 3'-0".

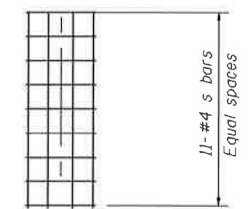


**SIDE VIEW**

**REPAIR ALTERNATE 1**



**SECTION A-A**



**REINFORCEMENT**

Note: See Sheet 4 of 4 for additional details.

DESIGNED WAB	EXAMINED <i>Timothy A. B. [Signature]</i>	DATE - September 3, 2013
CHECKED JAE	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN WAB	PASSED <i>[Signature]</i>	REVISED
CHECKED JAE	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TIMBER PILE REPAIR DETAILS  
EXISTING STRUCTURE NO. 019-5417**

SHEET NO. 2 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DEKALB	48	37
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

MODEL: D:\info\...  
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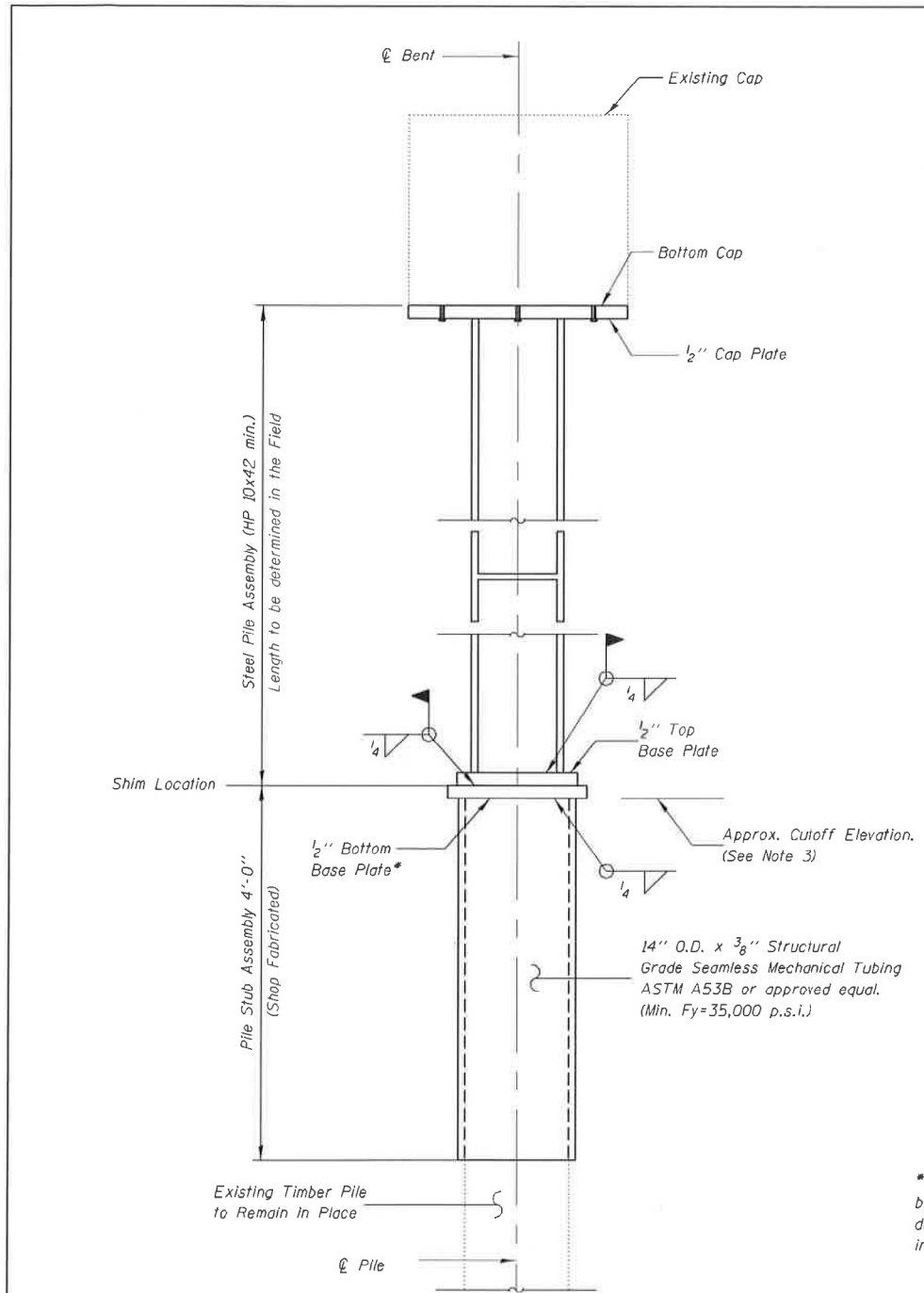
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PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

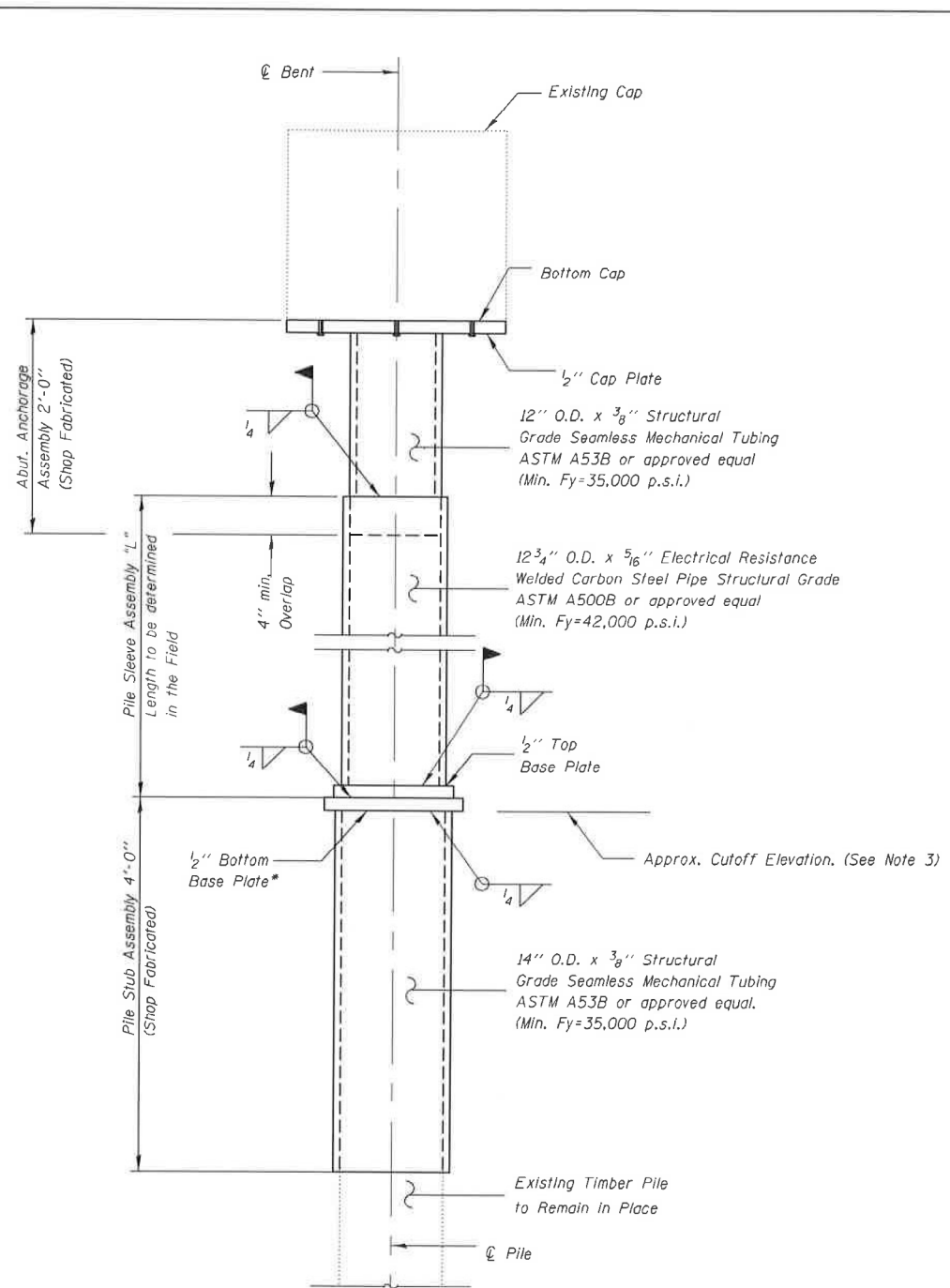
**EXISTING PLANS V  
SN 019-5430**

SHEET S21 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	37
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



**SIDE VIEW**  
**REPAIR ALTERNATE 2**



**SIDE VIEW**  
**REPAIR ALTERNATE 3**

\* Vent holes should be provided in bottom base plate to allow air and water to escape during installation. Holes may also be used to inject epoxy if required for stability.

Note: See Sheet 4 of 4 for additional details.

DESIGNED WAB	EXAMINED <i>Timothy A. Bogi</i>	DATE - September 3, 2013
CHECKED JAE	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN WAB	PASSED <i>D. Carl Ross</i>	REVISED
CHECKED JAE	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

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

**TIMBER PILE REPAIR DETAILS**  
**EXISTING STRUCTURE NO. 019-5417**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DEKALB		
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SHEET NO. 3 OF 4 SHEETS

MODEL: D:\info\... FILE NAME: ...



USER NAME = kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
PLOT SCALE = 2400,0000" = 1/ft.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

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

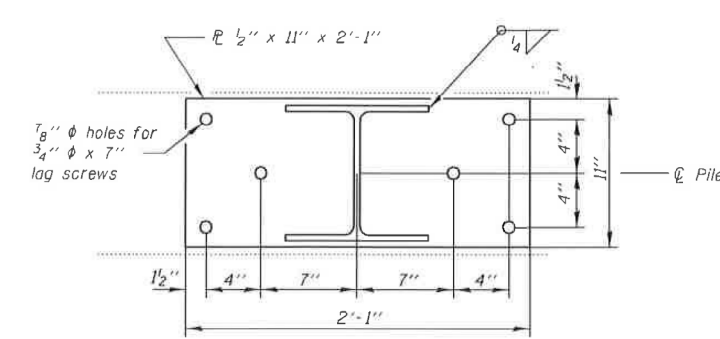
**EXISTING PLANS VI**  
**SN 019-5430**

SHEET S22 OF S23 SHEETS

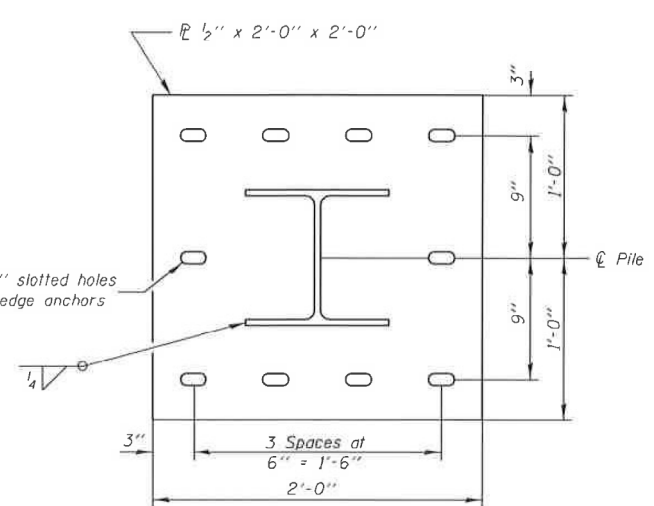
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CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

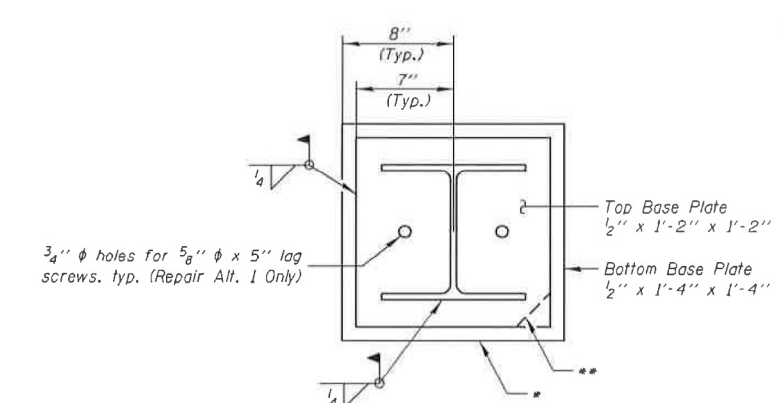




**CAP PLATE DETAIL**  
(For Timber Abutment/Pier Cap)

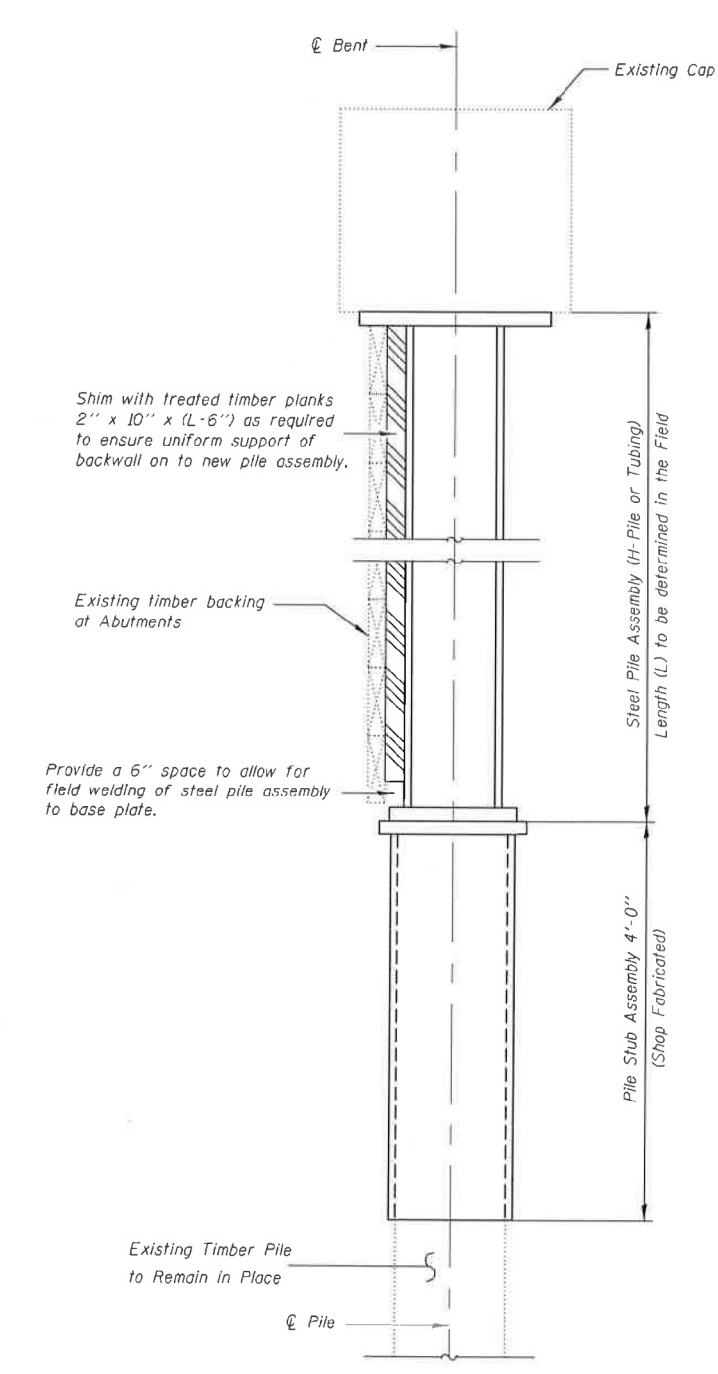


**CAP PLATE DETAIL**  
H-Pile shown; Structural Tubing similar  
(For Concrete Abutment/Pier Cap)



**BASE AND SHIM PLATE**  
H-Pile shown; Structural Tubing similar

- \* Bottom Base Plate is not required for Repair Alternate 1.
- \*\* Plate corners may be clipped for Repair Alternate 1 to provide clearance within concrete encasement.



**SECTION AT ABUTMENT**  
Repair Alternate 2 shown; Others similar.

DESIGNED WAB	EXAMINED <i>Timothy A. Bogt</i>	DATE - September 3, 2013
CHECKED JAE	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN WAB	PASSED <i>Carl Ross</i>	REVISED
CHECKED JAE	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

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

**TIMBER PILE REPAIR DETAILS**  
**EXISTING STRUCTURE NO. 019-5417**  
SHEET NO. 4 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DEKALB		39
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

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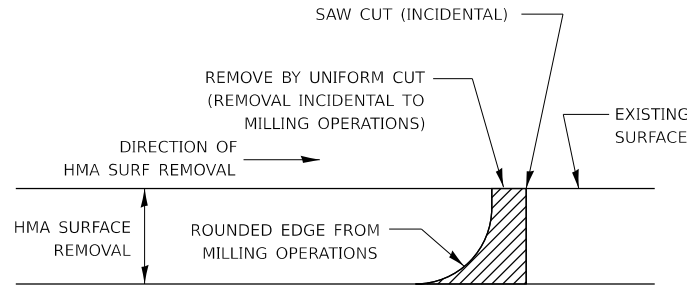


USER NAME = kkolodziejczyk	DESIGNED - K. KOLODZIEJCZYK	REVISED - 04/25/2024
PLOT SCALE = 24000,0000 1/ft.	DRAWN - K. KOLODZIEJCZYK	REVISED -
PLOT DATE = 4/29/2024	CHECKED - M. LANGE	REVISED -
	DATE - 12/27/2023	REVISED -

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

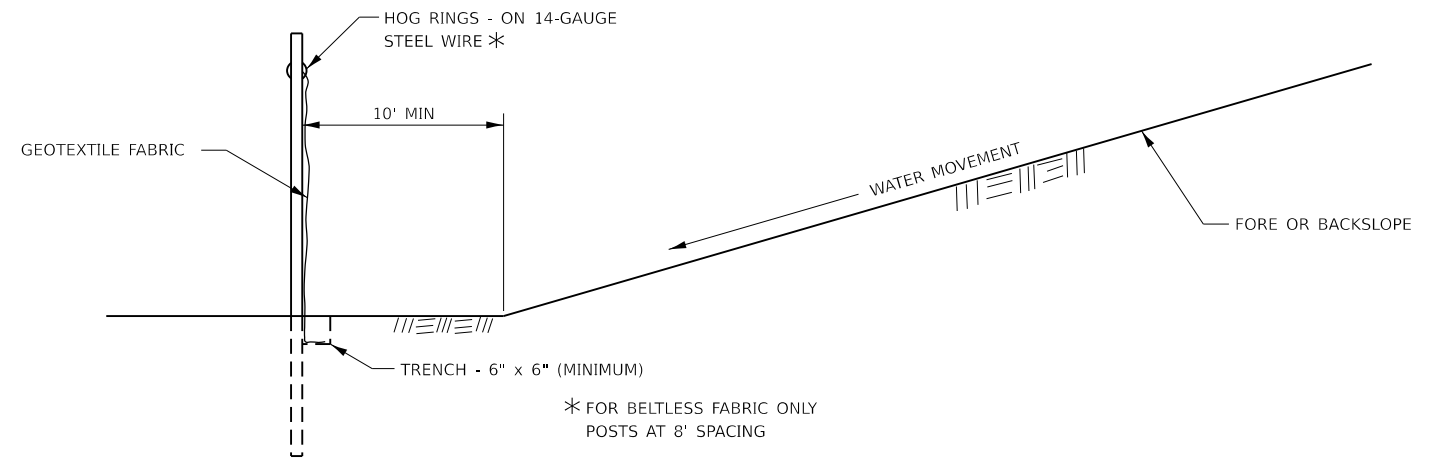
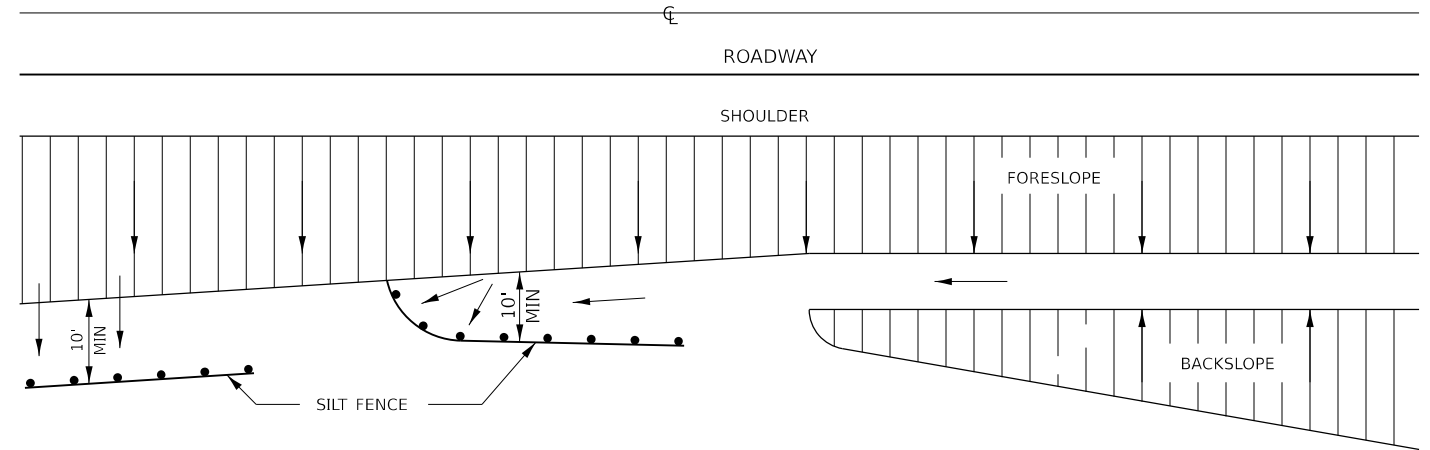
**EXISTING PLANS VII**  
**SN 019-5430**  
SHEET S23 OF S23 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BR	DEKALB	48	39
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				



NOTE:  
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

**HMA DETAIL AT BUTT JOINTS**



**DETAILS OF SILT FENCE**

**EROSION CONTROL DETAILS FOR SILT FENCE**

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USER NAME	■ kkołodziejczyk	DESIGNED -	T. STENSLIK	REVISED -	04/26/2024
		DRAWN -	T. STENSLIK	REVISED -	
PLOT SCALE	■ 20,000' / in.	CHECKED -	M. LANGE	REVISED -	
PLOT DATE	■ 4/29/2024	DATE -	12/27/2023	REVISED -	

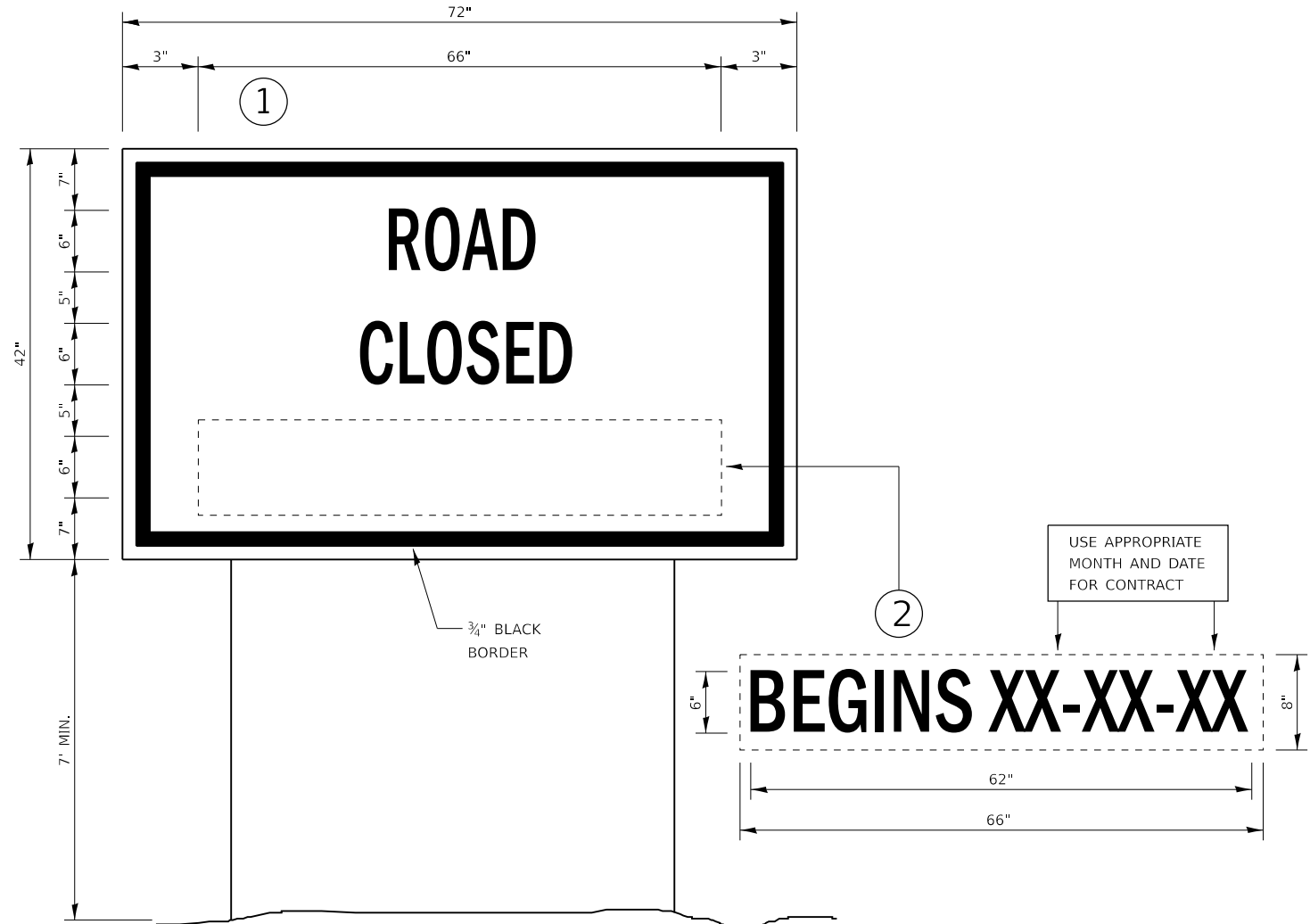
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS  
 PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 87818	

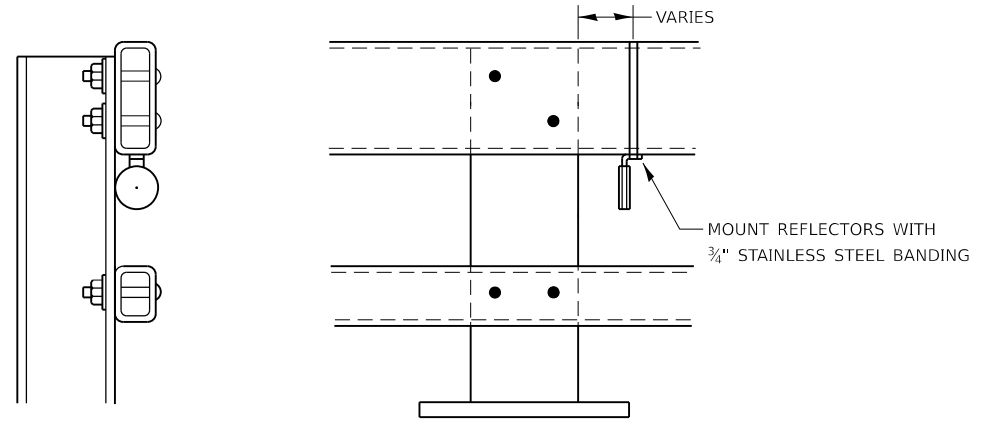




**TEMPORARY INFORMATION SIGNING**

**NOTES:**

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. THE SIGN WILL BE SUPPLIED AND PLACED BY OTHERS.



**NOTES**

1. REFLECTORS SHALL MEET THE REQUIREMENTS OF ARTICLE 1097.03 OF THE STANDARD SPECIFICATIONS.
2. FURNISHING AND INSTALLING THE COMPLETE REFLECTOR UNIT WILL BE PAID AT THE CONTRACT UNIT PRICE EACH FOR GUARD RAIL MARKERS.

**REFLECTOR MOUNTING  
DETAIL FOR STEEL RAIL**

MODEL: D:\default\19-17129-00-PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK\Department\W22087\_00\_Pritchard\_Road\_Bldgs\CADD\_08D\01\_Roadway\03\_Sheet\17\_District\_Details\W22087-shd-detail.dgn



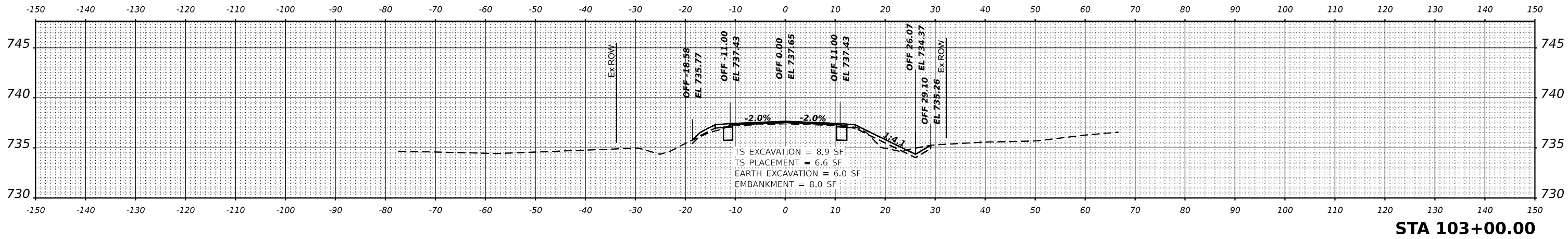
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PLOT DATE	■ 5/1/2024	DATE -	12/27/2023	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

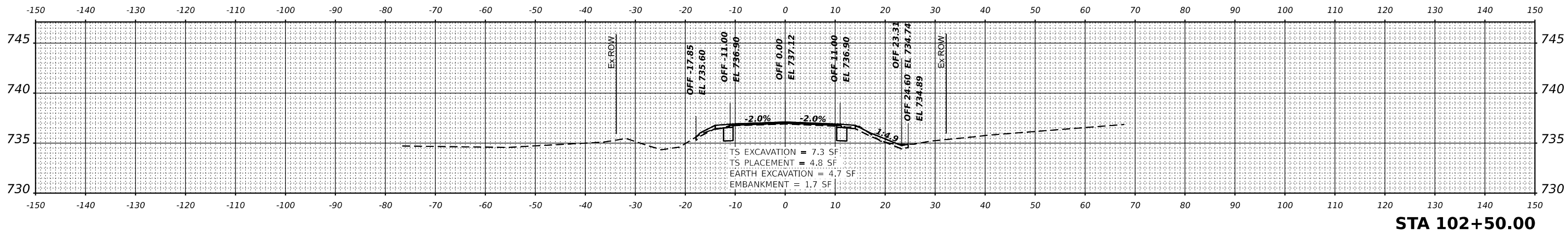
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<b>PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK</b>					
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87818				
		ILLINOIS	FED. AID PROJECT	

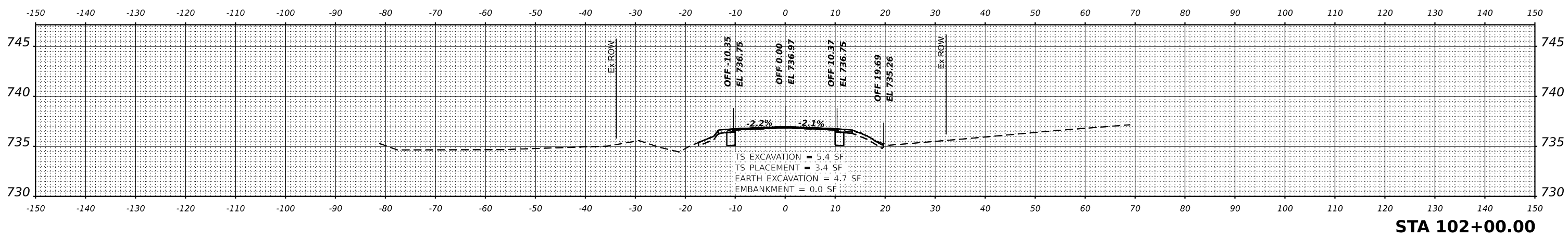
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PLOTTED	
TEMPLATE	
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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	DRAWN - T. STENSLIK	REVISED -
PLOT SCALE = 0.16666685' / in.	CHECKED - M. LANGE	REVISED -
PLOT DATE = 4/29/2024	DATE - 12/27/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK

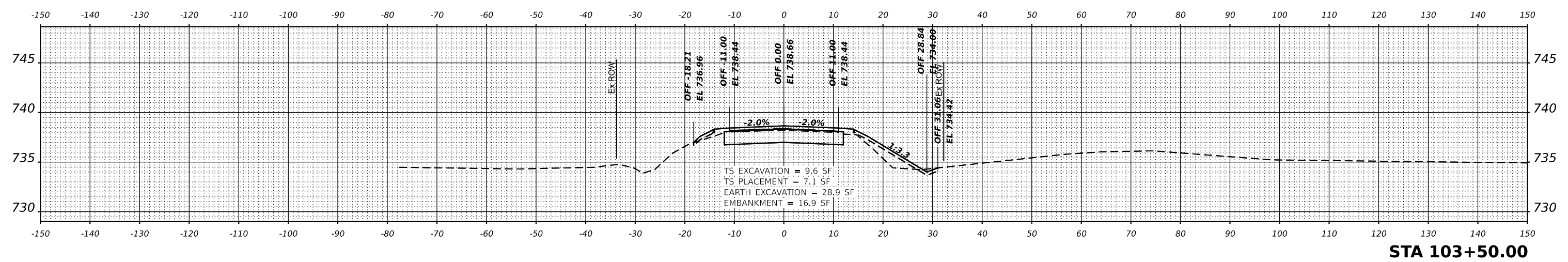
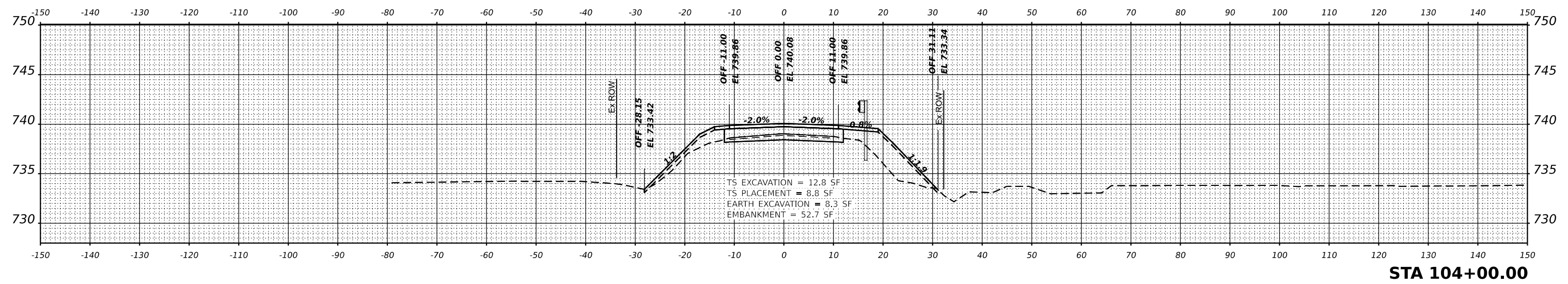
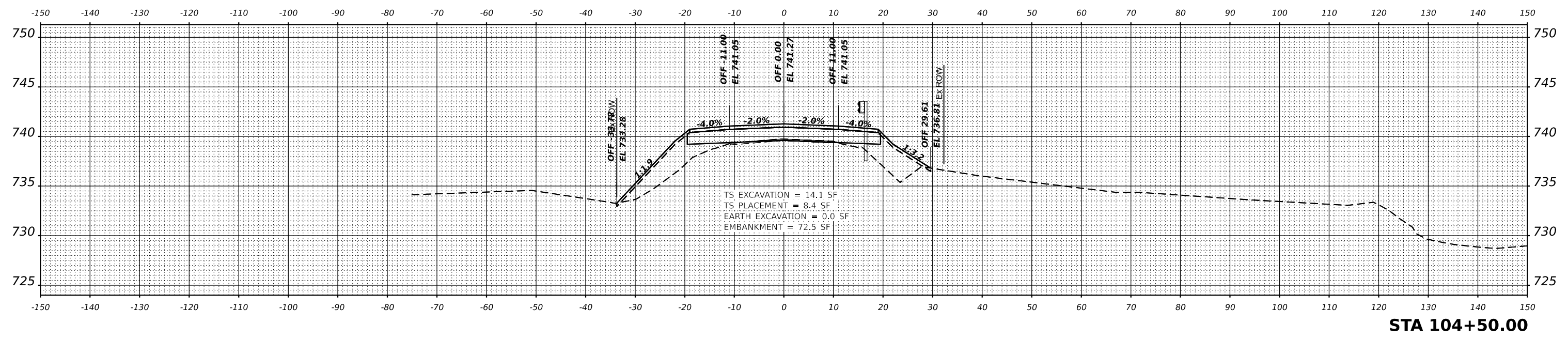
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	42
			CONTRACT NO. 87818	
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

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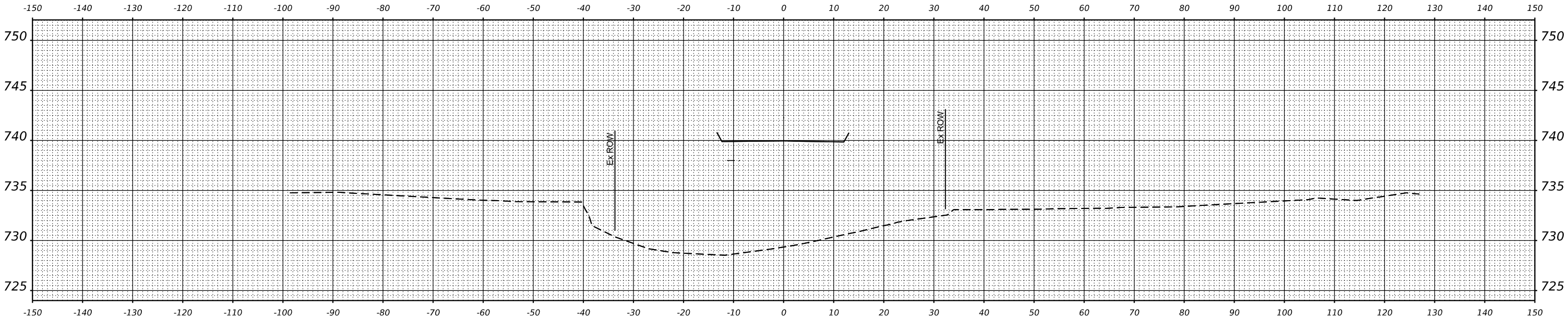


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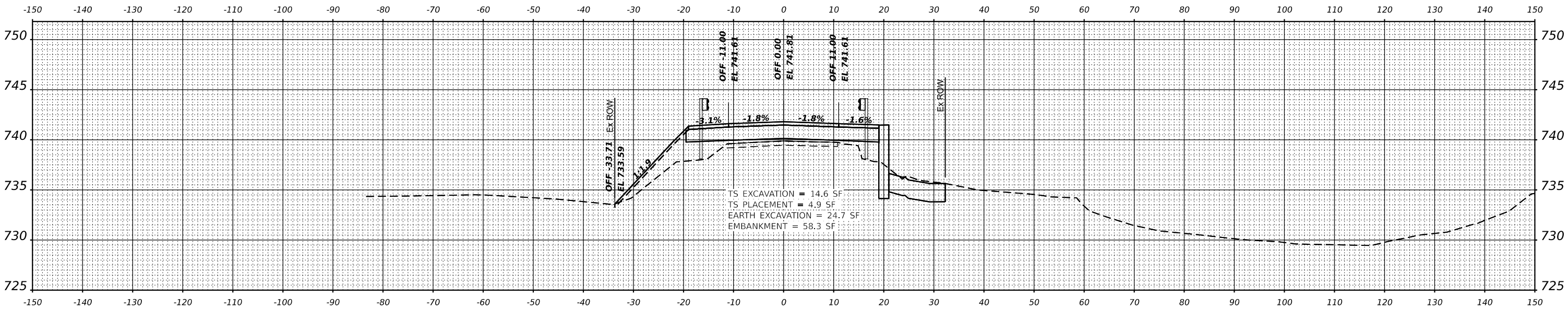
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
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**STA 105+43.76**



**STA 104+83.17**



USER NAME	■ kkolodziejczyk	DESIGNED -	T. STENSLIK	REVISED -	04/26/2024
		DRAWN -	T. STENSLIK	REVISED -	
PLOT SCALE	■ 0.16666685" / in.	CHECKED -	M. LANGE	REVISED -	
PLOT DATE	■ 4/29/2024	DATE -	12/27/2023	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

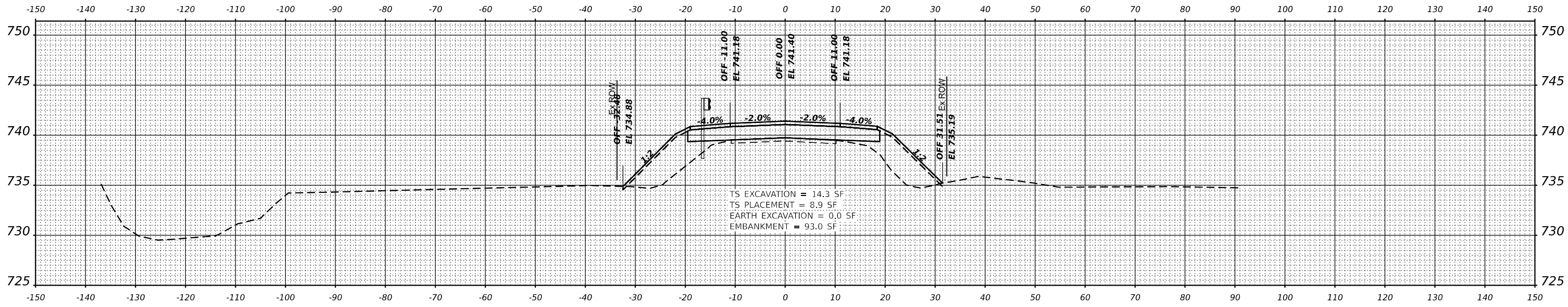
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<b>PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK</b>			
SCALE: 1H: 2V	SHEET 3	OF 7 SHEETS	STA. 104+83.17 TO STA. 105+43.76

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 87818	
ILLINOIS FED. AID PROJECT				

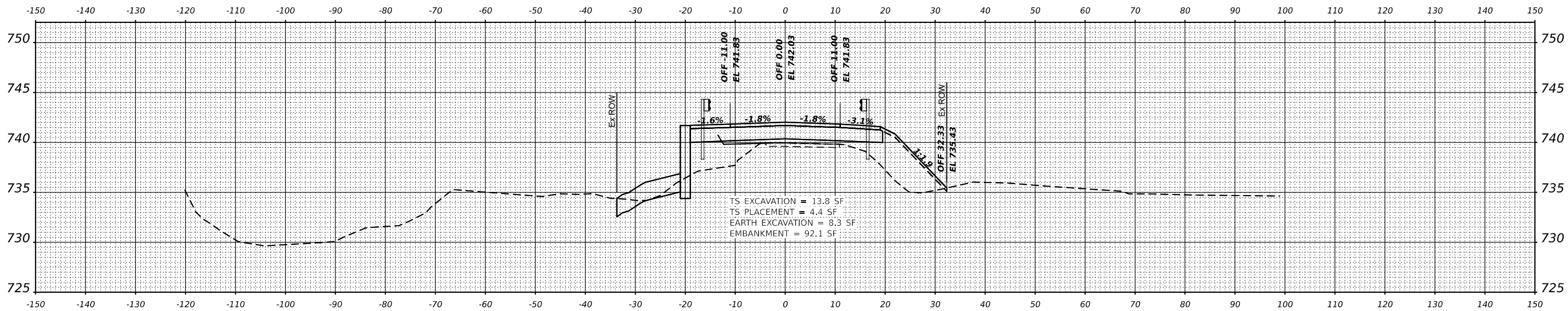
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NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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**STA 106+50.00**



**STA 106+04.34**



USER NAME	■ kkolodziejczyk	DESIGNED	- T. STENSLIK	REVISED	- 04/26/2024
		DRAWN	- T. STENSLIK	REVISED	-
PLOT SCALE	■ 0.16666685" / in.	CHECKED	- M. LANGE	REVISED	-
PLOT DATE	■ 4/29/2024	DATE	- 12/27/2023	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

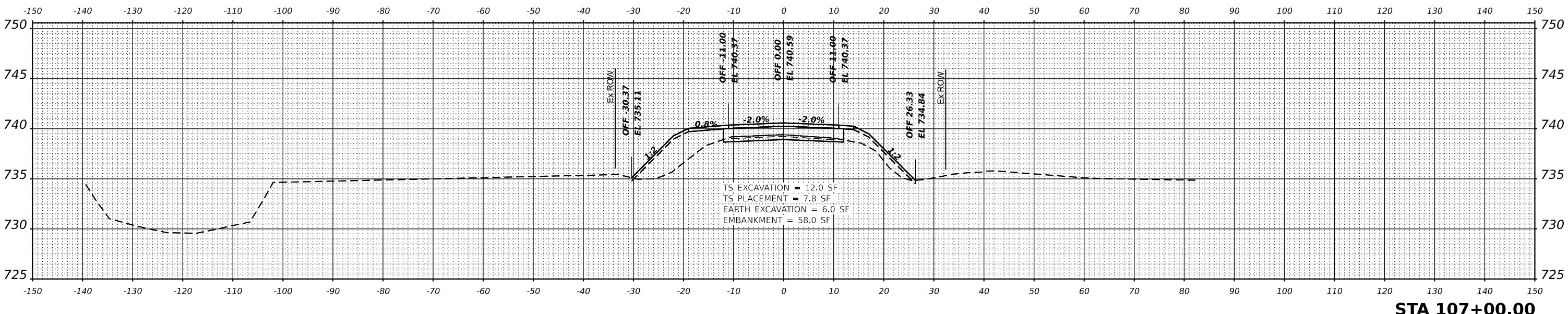
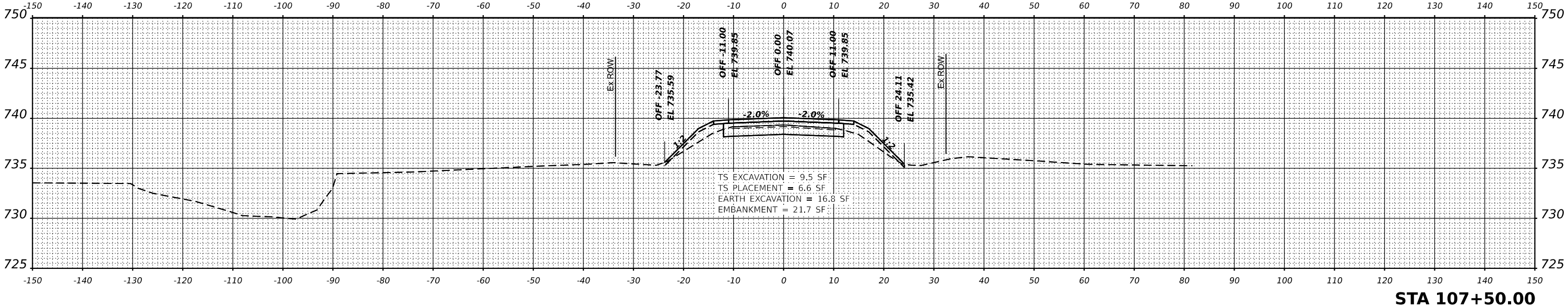
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	45
			CONTRACT NO. 87818	
		ILLINOIS FED. AID PROJECT		

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

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

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USER NAME	■ kkolodziejczyk	DESIGNED	- T. STENSLIK	REVISED	- 04/26/2024
PLOT SCALE	■ 0.16666685" / in.	DRAWN	- T. STENSLIK	REVISED	-
PLOT DATE	■ 4/29/2024	CHECKED	- M. LANGE	REVISED	-
		DATE	- 12/27/2023	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

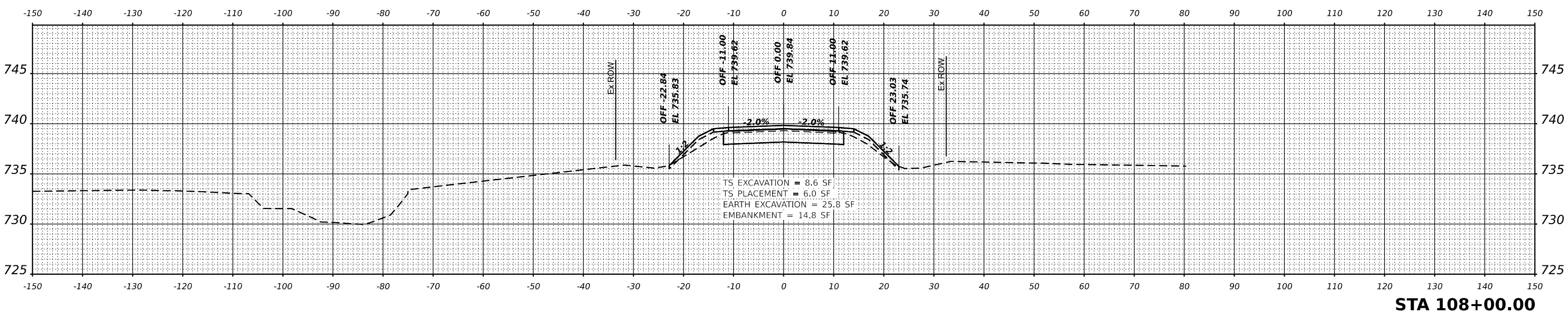
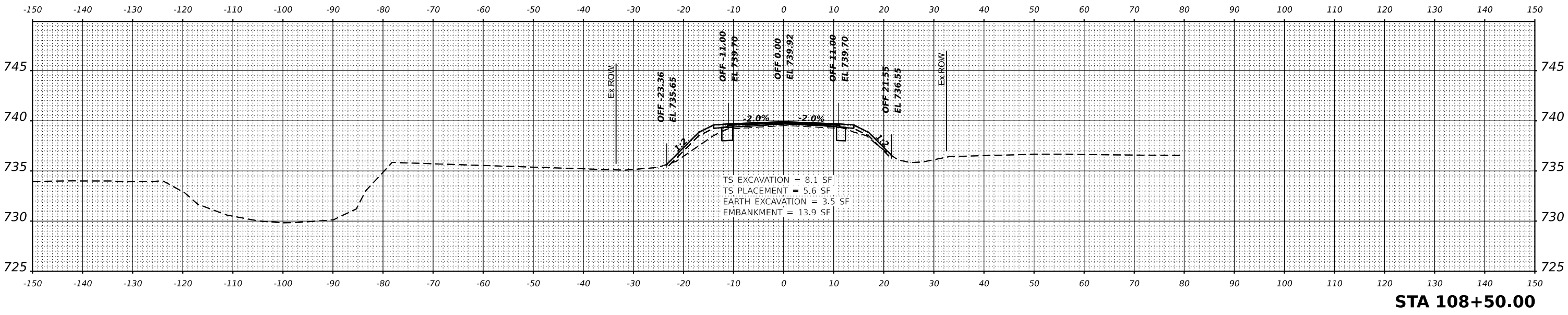
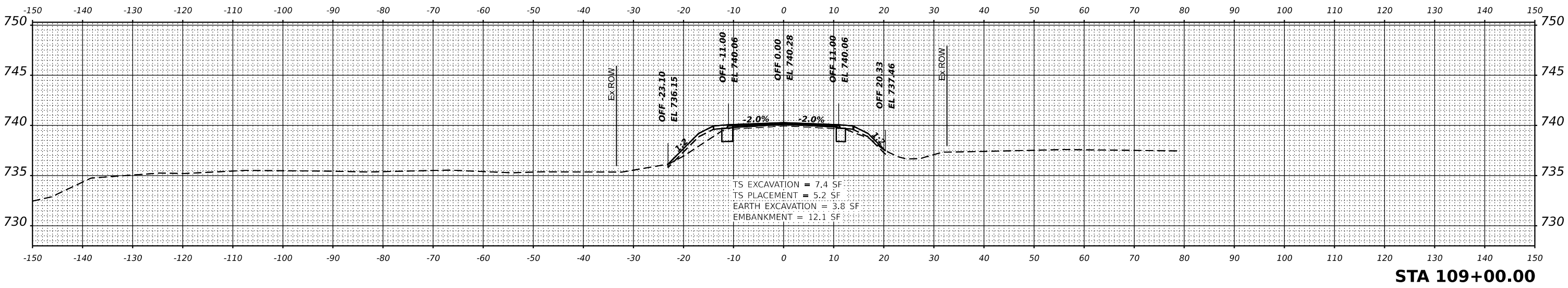
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<b>PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK</b>	
SCALE: 1H : 2V	SHEET 5 OF 7 SHEETS
STA. 107+00	TO STA. 107+50

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	46
CONTRACT NO. 87818				
ILLINOIS FED. AID PROJECT				

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

MODEL: P:\C\_Pritchard - 108+00.00 (Sheet)  
 FILE NAME: V:\okulscy\highway\Department\WZ208\100 Pritchard Road Bridge\CADD\ORD\01\_Roadway\03\_Sheet\18\_Cross Sections\WZ208\_18ht-sat1.dgn



USER NAME	■ kkolodziejczyk	DESIGNED -	T. STENSLIK	REVISED -	04/26/2024
DESIGNED -	T. STENSLIK	DRAWN -	T. STENSLIK	REVISED -	
PLLOT SCALE	= 0.16666685" / in.	CHECKED -	M. LANGE	REVISED -	
PLLOT DATE	= 4/29/2024	DATE -	12/27/2023	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

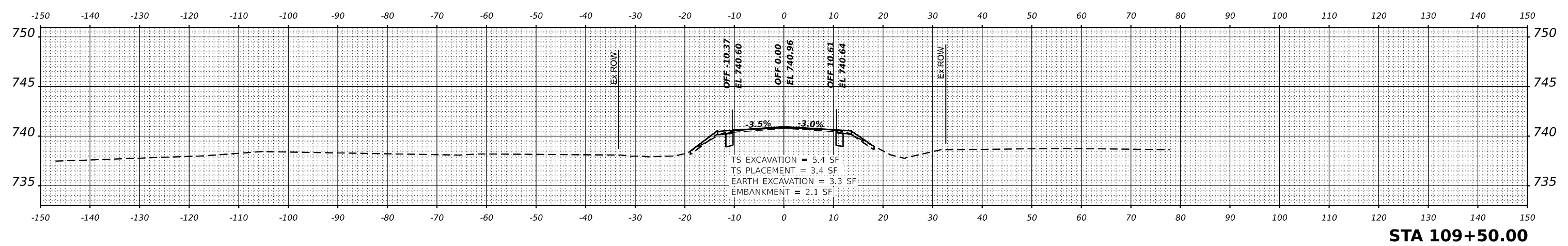
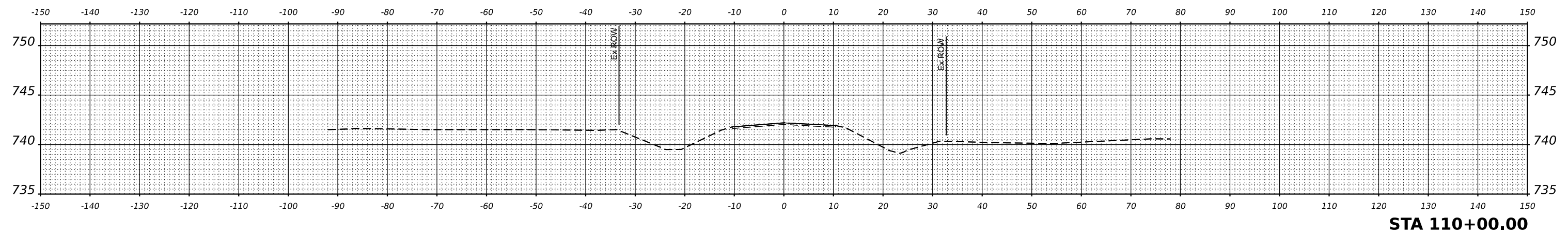
**CROSS SECTIONS**  
**PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**  
 SCALE: 1H : 2V    SHEET 6 OF 7 SHEETS    STA. 108+00 TO STA. 109+00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	47
			CONTRACT NO. 87818	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: PCL\_Pritchard - 109+50.00 (Sheet)  
 FILE NAME: V:\okulscy\highway\Department\W2208\100 Pritchard Road Bridge\CADD\ORD\01\_Roadway\03\_Sheet\11E\_Cross Sections\W2208\_1ah-sstah.dgn



USER NAME	■ kkolodziejczyk	DESIGNED	- T. STENSLIK	REVISED	- 04/26/2024
		DRAWN	- T. STENSLIK	REVISED	-
PLOT SCALE	■ 0.16666685" / in.	CHECKED	- M. LANGE	REVISED	-
PLOT DATE	■ 4/29/2024	DATE	- 12/27/2023	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
PRITCHARD RD OVER WEST BRANCH BIG ROCK CREEK**

SCALE: 1H : 2V    SHEET 7 OF 7 SHEETS    STA. 109+50 TO STA. 110+00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
230	19-17129-00-BT	DEKALB	48	48
CONTRACT NO. 87818			ILLINOIS FED. AID PROJECT	