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FOR LIST OF HIGHWAY STANDARDS
SEE SHEET NO. 2

ADT: 75 VPD (2025)
DESIGN SPEED: 30 MPH
ROAD CLASSIFICATION: LOCAL ROAD



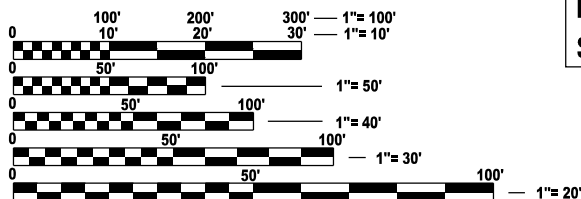
DATE: 06/19/2026
SEAL EXPIRES: 11/30/2027
SHEETS: 1 - 20
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Nicole D. Fayant



DATE: 06/19/2026
SEAL EXPIRES: 11/30/2026
SHEETS: 21 - 36

Leonardo Marcattelli



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

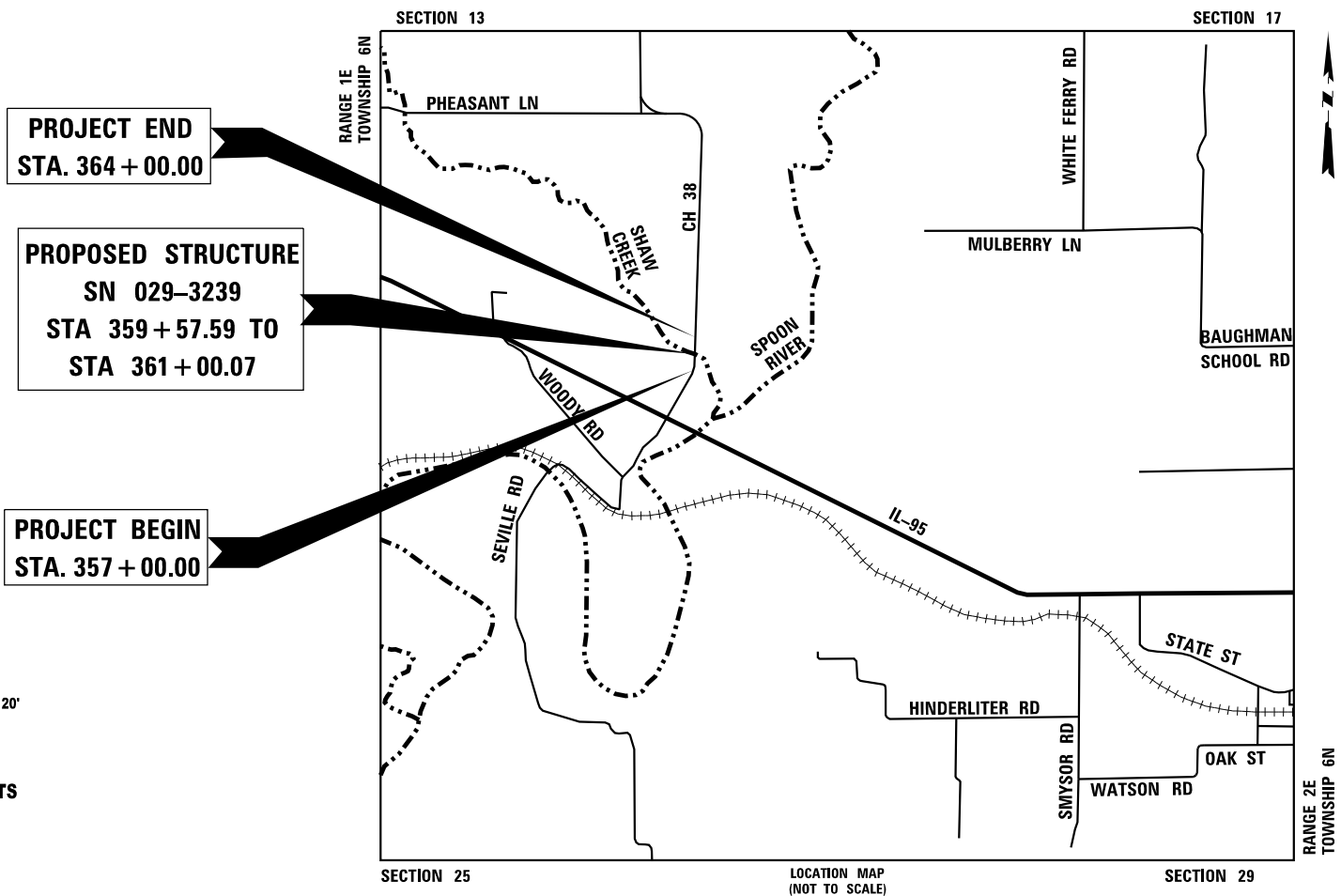
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 89886
CATALOG NO. 036759-00D

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

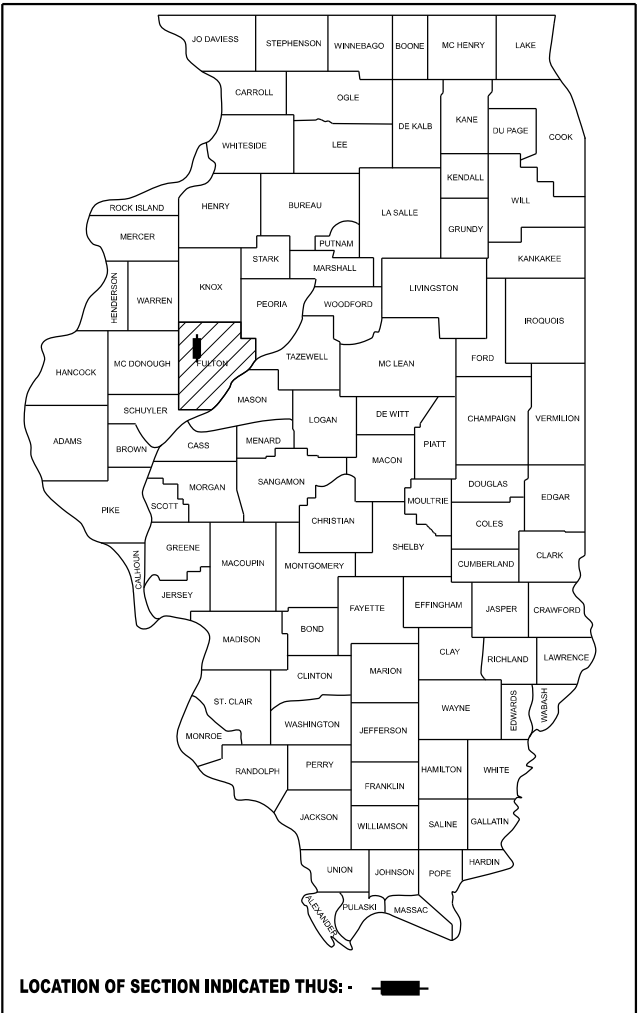
PLANS FOR PROPOSED
BRIDGE REPLACEMENT
COUNTY HIGHWAY 38
SECTION : 20-00038-00-BR
PROJECT NO. : 4HRM(192)
CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT
FULTON COUNTY

C-94-030-26



GROSS LENGTH = 700 FT. = 0.13 MILE
NET LENGTH = 700 FT. = 0.13 MILE

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	1
		ILLINOIS	CONTRACT NO. 89886	



ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	8-20 20 26 <i>Kerth D. Minter</i> FULTON COUNTY, COUNTY ENGINEER
PASSED	08-20 20 26 <i>Kenil A. Gannott</i> DISTRICT 4 ENGINEER OF LOCAL ROADS & STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	0820 20 26 <i>Kenil A. Gannott</i> REGION 3 ENGINEER

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PLAN

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NOTE BOOK
NO. _____
CADD FILE NAME

IDOT HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-10	TRAFFIC BARRIER TERMINAL, TYPE 6A
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAY

IDOT DISTRICT 4 STANDARD DETAILS

205001-D4	SLOPE STEPS DETAIL
505001-D4	BEARING PLATE DETAIL
630101-D4	GUARDRAIL EROSION CONTROL TREATMENTS

PROFILE

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NOTE BOOK
NO. _____
STRUCTURE NOTES CHKD

COMMITMENTS

- COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
- THE CONTRACTOR IS RESPONSIBLE FOR REACHING OUT TO THE PROPERTY OWNER WEST OF THE PROJECT, TO RELOCATE THE ELECTRIC FENCE FROM THE COUNTY'S ROW PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR SHALL ALLOW ACCESS TO ANY EXISTING ENTRANCE NEAR THE BRIDGE.

GENERAL NOTES

AVAILABILITY OF ELECTRONIC FILES

CADD FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

TREE REMOVAL RESTRICTIONS

DUE TO THE POTENTIAL PRESENCE OF ENDANGERED BATS, NO TREE REMOVAL WILL BE ALLOWED ON THIS PROJECT BETWEEN APRIL 1ST AND SEPTEMBER 30TH.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (BORROW SITE REVIEW)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM – D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES. PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

SEEDING - SIDESLOPE RIPPING

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 M) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 MM TO 600 MM) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 M). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

AGGREGATE (DESCRIPTION), TYPE B

AGGREGATE SHOULDERS, TYPE B SHALL BE REQUIRED FOR ALL GRANULAR CONSTRUCTION OF SIDE ROADS, ENTRANCES, AND MAILBOX TURNOUTS, WHETHER OR NOT PORTIONS OF THE SURFACES THUS CONSTRUCTED ARE TO BE COVERED WITH A BITUMINOUS SURFACE, EXCEPT WHERE NOTED DIFFERENTLY ON THE PLANS.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

TEN FEET (10 FT.) (3 M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

SIGNING

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES. ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

GENERAL NOTES (CONT.)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

HMA MIXTURE REQUIREMENTS TABLE		
THE FOLLOWING HMA MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:		
LOCATIONS:	COUNTY HIGHWAY 38	
MIXTURE USES:	SURFACE COURSE 2"	BINDER COURSE 4"
PG:	PG 58-28	PG 58-28
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.5
FRICTION AGGREGATE	MIX D	N/A
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QCQA LOCAL ROADS SP	QCQA LOCAL ROADS SP
MATERIAL TANSFER DEVICE:	NO	NO

- INDIVIDUAL LIFT THICKNESSES OF EACH MIX WILL BE NO LESS THAN THREE (3) TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN FIVE (5) TIMES NOMINAL AGGREGATE MAXIMUM SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

BITUMINOUS MATERIALS (TACK & PRIME COAT) RATES	
SURFACE TYPE	RESIDUAL RATE ON PAVEMENT
AGGREGATE BASE	0.25 LB/SF
MILLED HMA OR PCC	0.08 LB/SF
FOG COAT ON NEW HMA (BETWEEN LIFTS)	0.05 LB/SF

EROSION CONTROL AND LANDSCAPING NOTES

- A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN, AND STORMWATER POLLUTION PREVENTION PLANN (SWPPP) SHALL BE MAINTAINED AT THE SITE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
- DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED, OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES IS PROHIBITED. THIS WORK IS INCLUDED IN THE COST OF COFFERDAM PAY ITEMS.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- CONTRACTOR SHALL PROVIDE IN-STREAM WORK PLAN FOR REVIEW AND WRITTEN APPROVAL BY THE U.S. ARMY CORPS OF ENGINEERS PRIOR TO STARTING ANY IN-STREAM WORK.

TRAFFIC CONTROL

BRIDGE OUT (R11-3B) SIGNS SHALL BE PLACED NORTH AND SOUTH OF THE PROJECT WHILE THE BRIDGE IS CLOSED. SIGN 'A' SHALL BE USED AT THE NORTHEAST QUADRANT OF CH 38 AND IL 95. SIGN 'B' SHALL BE USED AT THE SOUTHEAST QUADRANT OF CH 38 AND CH 15. EXACT SIGN LOCATIONS SHALL BE APPROVED BY THE ENGINEER. THE COST OF THE SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21.



R11-3B-6030



R11-3B-6030

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PLOT DATE = 7/29/2026	DATE - 8/7/2026	REVISED -

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT STANDARDS LIST AND GENERAL NOTES		
SCALE: NO SCALE	SHEET 1 OF 1 SHEETS	STA. TO STA.

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	2
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

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* SPECIALTY ITEM

* SPECIALTY ITEM

 CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = askonicki	DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT SUMMARY OF QUANTITIES					CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,000' / in.	DRAWN - AMS	REVISED -		38	20-00038-00-BR	FULTON	43	3					
	CHECKED - NDF	REVIEWED -	CONTRACT NO. 89886											
	PLOT DATE = 7/29/2026	DATE - 8/7/2026	REVISED -		SCALE: NO SCALE	SHEET 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT						

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CODE NO.	ITEM	UNIT	TOTAL	100% LBFP ROADWAY 0004	100% LBFP BRIDGE 0010 029-3239
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
50500505	STUD SHEAR CONNECTORS	EACH	2,085		2,085
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	48,140		48,140
50901050	STEEL RAILING, TYPE SM	FOOT	285		285
51201400	FURNISHING STEEL PILES HP10X42	FOOT	528		528
51201800	FURNISHING STEEL PILES HP14X73	FOOT	330		330
51202305	DRIVING PILES	FOOT	858		858
51203400	TEST PILE STEEL HP10X42	EACH	4		4
51203800	TEST PILE STEEL HP14X73	EACH	2		2
51500100	NAME PLATES	EACH	1		1
52100520	ANCHOR BOLTS, 1"	EACH	20		20
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	211		211
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	145		145
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4	
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	171		171
60146305	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4"	FOOT	34	34	

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL	100% LBFP ROADWAY 0004	100% LBFP BRIDGE 0010 029-3239
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	50	50	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2	2	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
67100100	MOBILIZATION	L SUM	1	1	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2		2
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	30	30	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
X5080530	BAR TERMINATORS	EACH	396		396
Z0076600	TRAINEES	HOUR	1,000		
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000		

* SPECIALTY ITEM # 0042

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT			
SCHEDULE OF QUANTITIES			
SCALE: NO SCALE	SHEET 2 OF 2 SHEETS	STA.	TO STA.

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	6
CONTRACT NO. 89886				
		ILLINOIS	FED. AID PROJECT	

TREE REMOVAL SCHEDULE			
LOCATION		TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110)	TREE REMOVAL (OVER 15 UNITS DIAMETER) (20100210)
STATION	L/R	UNIT	UNIT
359+28.37	R		25
359+56.91	R	8	
359+60.73	R		24
359+62.89	R	14	
359+73.57	R	8	
359+74.10	R	8	
360+50.54	R		24
360+53.37	R		28
360+78.69	R		24
360+92.19	R		22
360+92.04	R		22
360+94.03	R		28
360+95.35	R		22
361+41.23	R		40
TOTAL		38	259

TREE REMOVAL, ACRES (20100500)				
LOCATION				ACRE
FROM STATION	L/R	TO STATION	L/R	
357+00.00	R	359+43.40	R	0.15
SUBTOTAL				0.15
TOTAL				0.25

AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)			
LOCATION			SY YD
STATION	STATION	L/R	
357+00.00	357+65.22	CL	164.5
357+65.22	359+17.59	CL	469.0
359+17.59	359+58.83	CL	146.6
360+98.83	361+45.00	CL	164.2
361+45.00	362+34.95	CL	289.8
362+34.95	364+00.00	CL	476.8
SUBTOTAL			1,711.0
TOTAL			1,711

BITUMINOUS MATERIALS (PRIME COAT) (40600275)			
LOCATION			POUND
STATION	STATION	L/R	
357+00.00	357+65.22	CL	370.1
357+65.22	359+17.59	CL	1055.4
359+17.59	359+58.83	CL	329.9
360+98.83	361+45.00	CL	369.4
361+45.00	362+34.95	CL	652.1
362+34.95	364+00.00	CL	1072.8
SUBTOTAL			3,849.7
TOTAL			3,850

BITUMINOUS MATERIALS (TACK COAT) (40600290)			
LOCATION			POUND
STATION	STATION	L/R	
357+00.00	357+65.22	CL	135.0
357+65.22	359+17.59	CL	391.7
359+17.59	359+58.83	CL	123.7
360+98.83	361+45.00	CL	138.5
361+45.00	362+34.95	CL	242.9
362+34.95	364+00.00	CL	396.1
SUBTOTAL			1,427.9
TOTAL			1,428

HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50 (40602978)			
LOCATION			TON
STATION	STATION	L/R	
357+00.00	357+65.22	CL	33.6
357+65.22	359+17.59	CL	97.5
359+17.59	359+58.83	CL	30.8
360+98.83	361+45.00	CL	34.5
361+45.00	362+34.95	CL	60.4
362+34.95	364+00.00	CL	98.6
SUBTOTAL			355.4
TOTAL			356

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (40604060)			
LOCATION			TON
STATION	STATION	L/R	
357+00.00	357+65.22	CL	16.8
357+65.22	359+17.59	CL	48.7
359+17.59	359+58.83	CL	15.4
360+98.83	361+45.00	CL	17.2
361+45.00	362+34.95	CL	30.2
362+34.95	364+00.00	CL	49.3
SUBTOTAL			177.7
TOTAL			178

PAVEMENT REMOVAL (44000100)			
LOCATION			SQ YD
STATION	STATION	L/R	
357+00.00	359+58.81	CL	543.5
SUBTOTAL			543.5
TOTAL			544

AGGREGATE SHOULDERS, TYPE B 6" (48101500)				
LOCATION				SQ YD
FROM STATION	L/R	TO STATION	L/R	
356+99.90	R	358+30.94	R	29.1
357+00.04	L	357+65.18	L	14.5
357+65.18	L	359+17.54	L	33.9
358+30.94	R	358+42.67	R	4.0
359+17.54	L	359+64.29	L	10.4
360+94.74	R	361+45.07	R	11.4
361+45.03	R	362+34.99	R	20.0
362+17.50	L	362+29.12	L	4.0
362+34.99	R	364+00.00	R	36.7
362+29.12	L	364+00.00	L	38.0
SUBTOTAL				201.8
TOTAL				202

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)			
LOCATION			FOOT
STATION	STATION	L/R	
358+89.30	359+14.30	R	25.0
361+43.40	361+68.40	L	25.0
TOTAL			50

SCHEDULE OF BARRIER TERMINALS			
LOCATION		TRAFFIC BARRIER TERMINAL, TYPE 6A (63100087)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (63100167)
STATION	L/R	EACH	EACH
358+51.80	R		1
359+14.30	R	1	
361+05.90	L	1	
361+68.40	L		1
TOTAL		2	2

GUARDRAIL AGGREGATE EROSION CONTROL (Z0001002)			
LOCATION			TON
STATION	STATION	L/R	
358+42.67	359+51.91	R	14.6
361+05.74	362+17.50	L	14.9
SUBTOTAL			29.5
TOTAL			30

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
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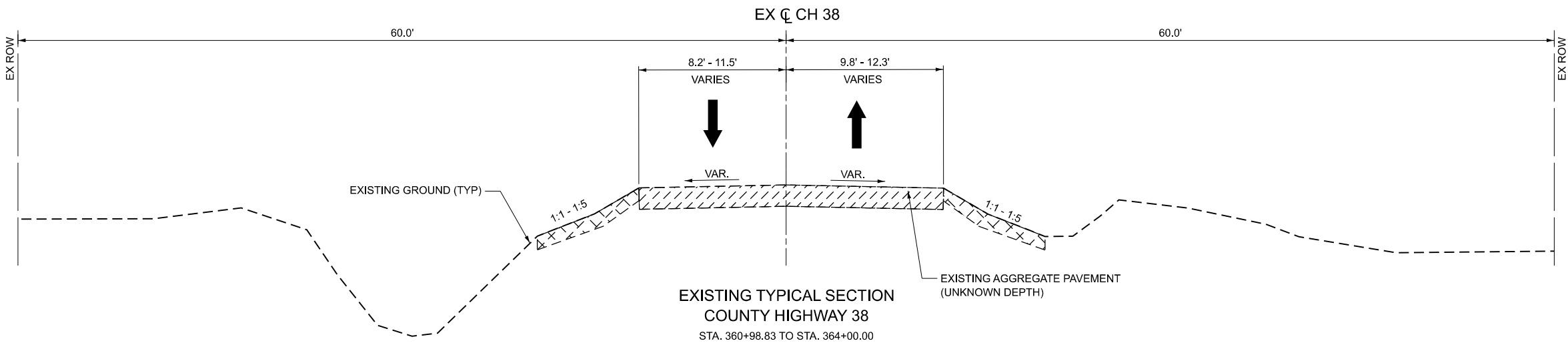
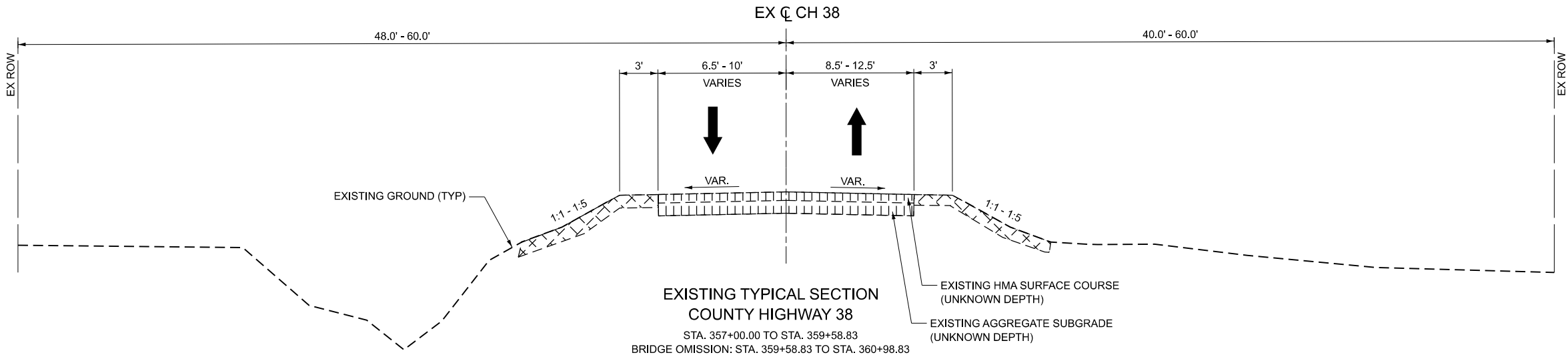


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DATE - 8/7/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT EXISTING TYPICAL SECTIONS			
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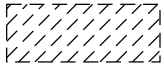
CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	7
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				



LEGEND



PAVEMENT REMOVAL



GRAVEL ROAD REMOVAL
(PAID FOR AS EARTH EXCAVATION)



6" TOPSOIL STRIPPING
(PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)

PLAN	SURVEYED PLOTTED CHECKED BY DATE	BY	DATE
NO.	NOTE BOOK		
	CADD FILE NAME		

PROFILE	SURVEYED PLOTTED CHECKED BY DATE	BY	DATE
NO.	NOTE BOOK		
	STRUCTURE NOTATION		

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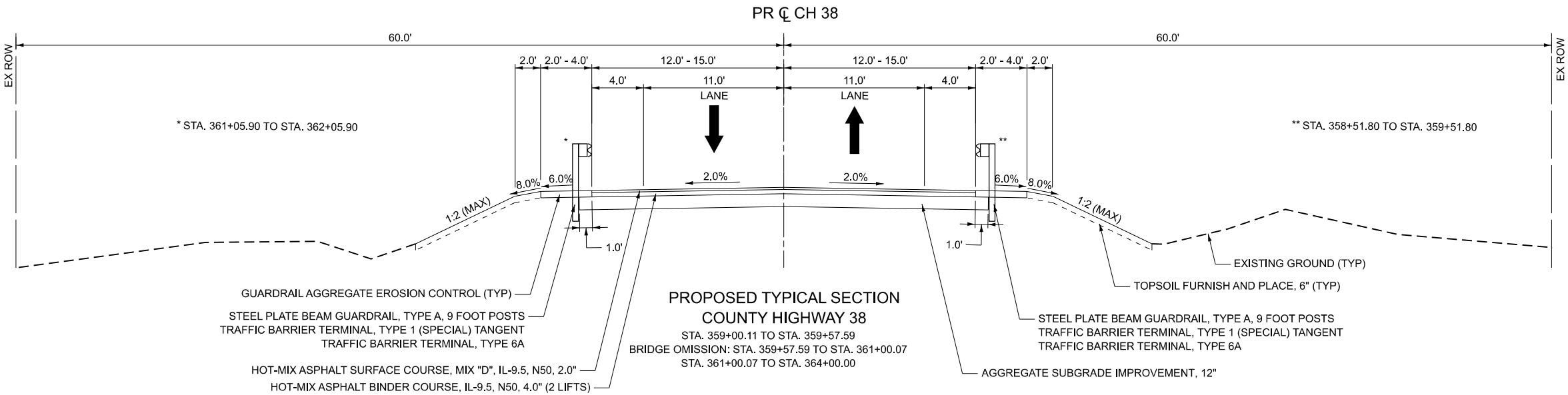
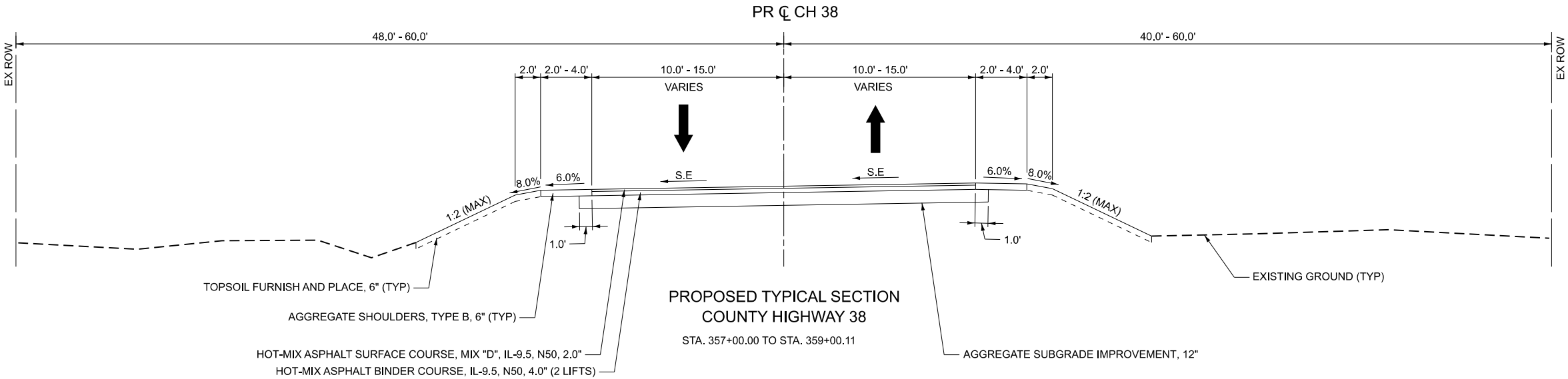
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT
PROPOSED TYPICAL SECTIONS

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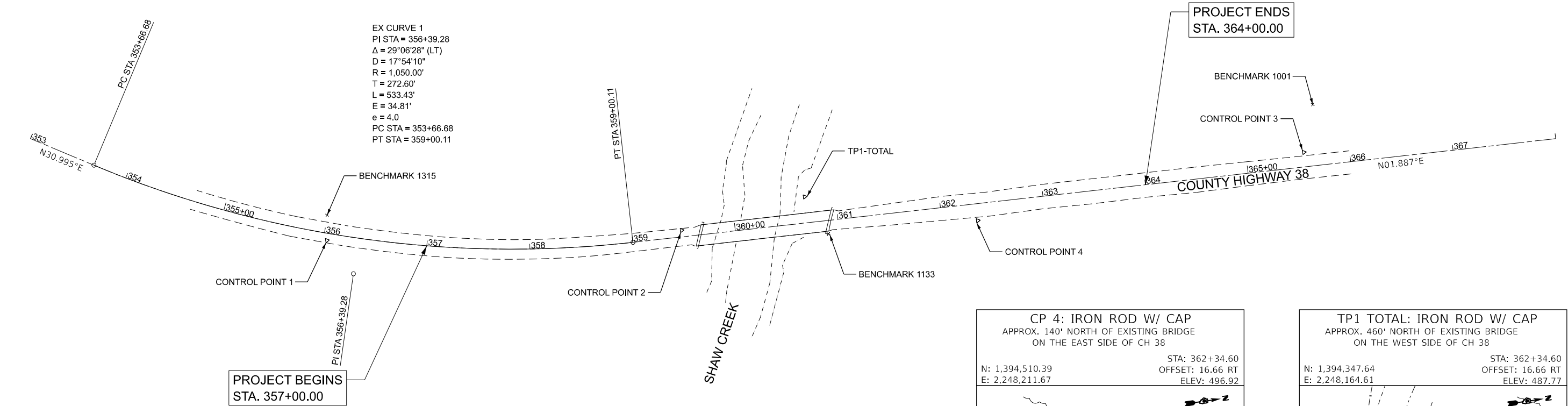
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38	20-00038-00-BR	FULTON	43	8
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				



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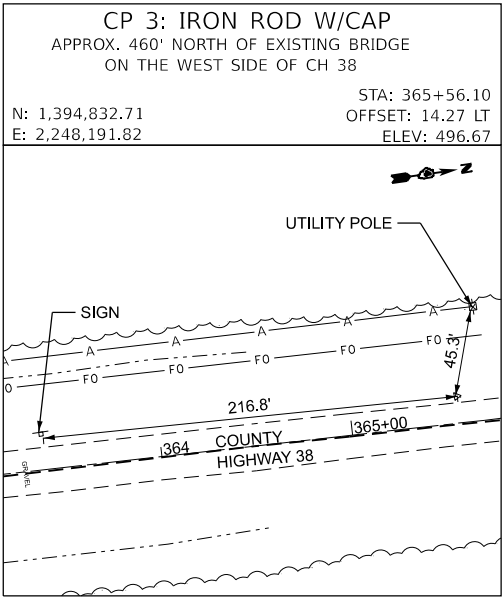
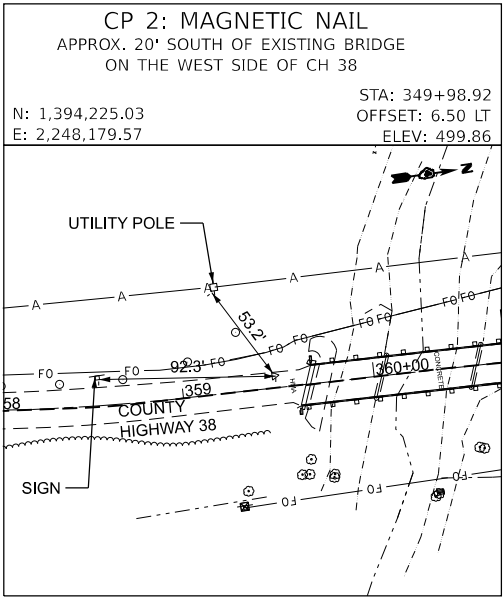
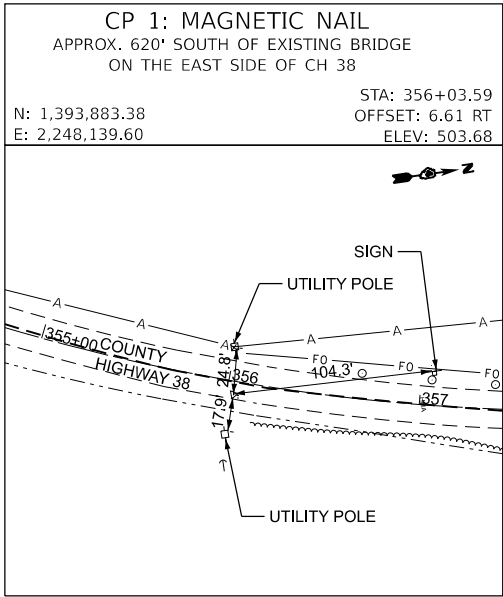


SITE BENCHMARKS

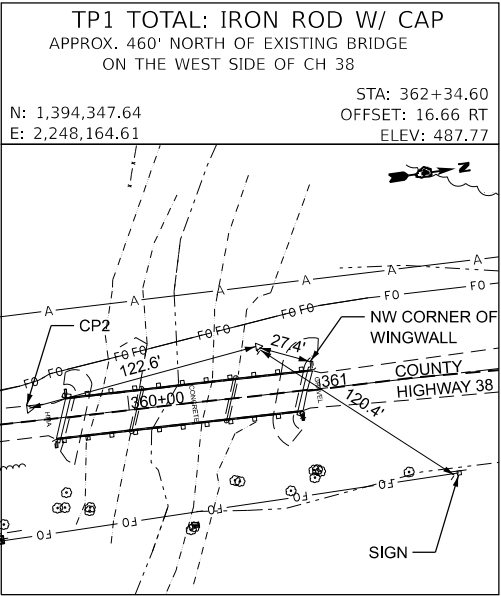
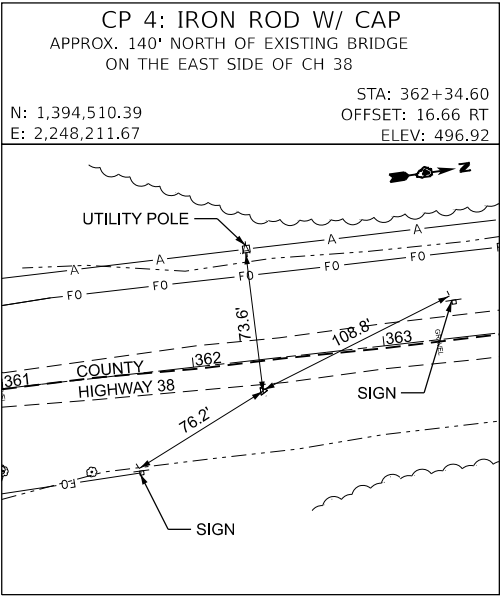
		ELEV
BM "1001"	RR SPIKE SET IN THE EAST FACE OF THE 2ND PP NORTH OF BRIDGE.	498.94'
BM "1133"	BRASS DISC FOUND ON TOP OF THE NE WING WALL OF BRIDGE.	499.48'
BM "1315"	RR SPIKE SET IN THE SOUTHEAST FACE OF THE 2ND PP SOUTH OF BRIDGE.	502.79'

NOTES

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



PROJECT COORDINATES			
COUNTY HIGHWAY 38 - ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
P.O.T	349+98.82	1,393,355.23	2,247,845.55
P.C.	353+66.68	1,393,670.48	2,248,034.94
P.I.	356+39.28	1,393,904.16	2,248,175.32
P.T.	359+00.11	1,394,176.61	2,248,184.29
P.O.T	369+07.79	1,395,183.74	2,248,217.48



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PLOT DATE = 7/29/2026	DATE - 8/7/2026	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT ALIGNMENT, TIES, AND BENCHMARKS

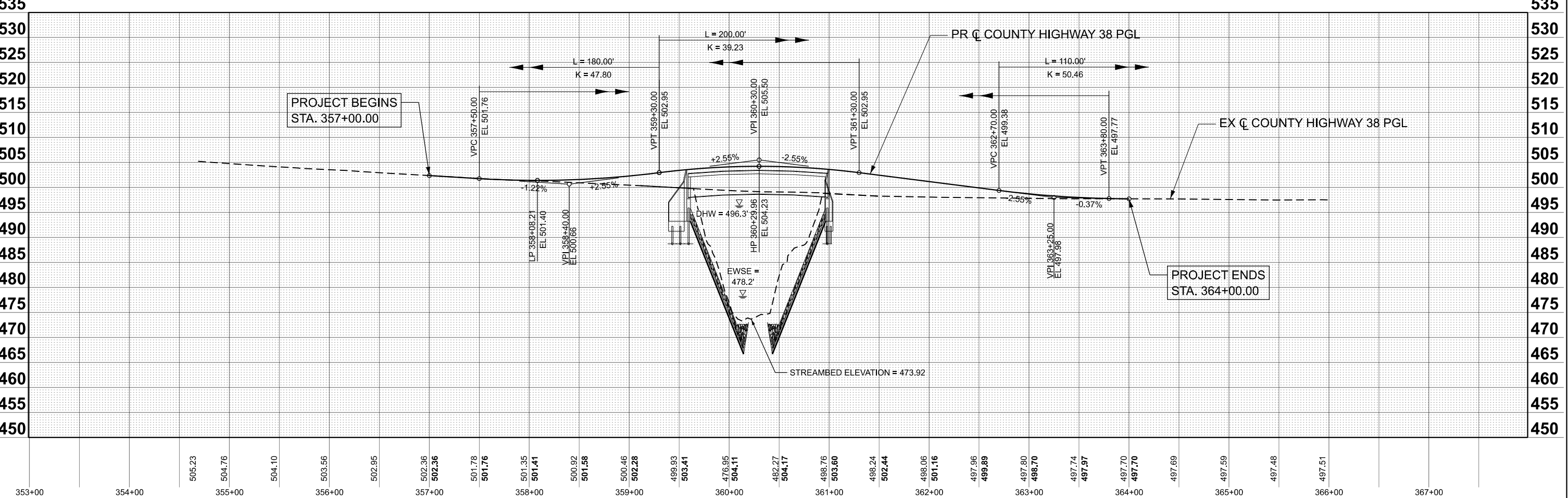
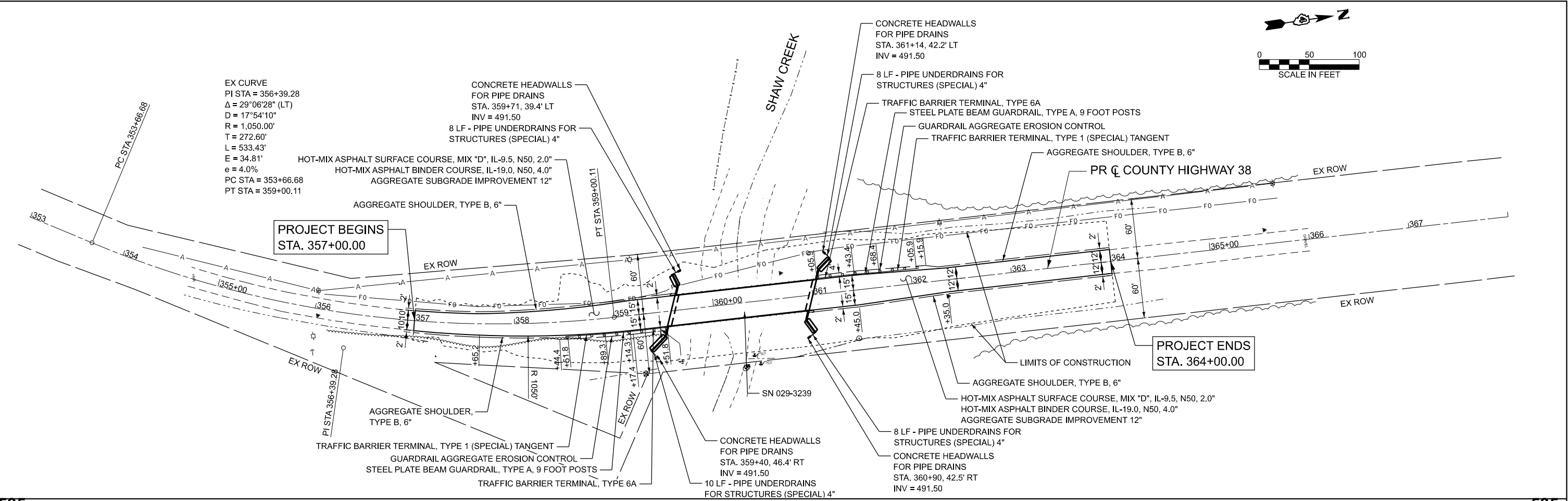
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CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	9
CONTRACT NO. 89886				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED PLOTTED CHECKED BY DATE	BY	DATE
NO.	NOTE BOOK		
	NO.		

PROFILE	SURVEYED PLOTTED CHECKED BY DATE	BY	DATE
NO.	NOTE BOOK		
	NO.		

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CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com				USER NAME = askonicikl				DESIGNED - TBH				REVISED -			
								DRAWN - AMS				REVISED -			
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT PLAN AND PROFILE				CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=50'				SHEET 1 OF 1 SHEETS				38	20-00038-00-BR	FULTON	43	11
TO STA. 353+00.00				TO STA. 368+00.00				CONTRACT NO. 89886				
								ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	NOTED		
	REVIEWED		
	DATE		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	NOTED		
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	DATE		

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EROSION CONTROL LEGEND

SEEDING, CLASS 4A, WILDLIFE FRIENDLY EROSION CONTROL BLANKET, TOPSOIL FURNISH AND PLACE 6"

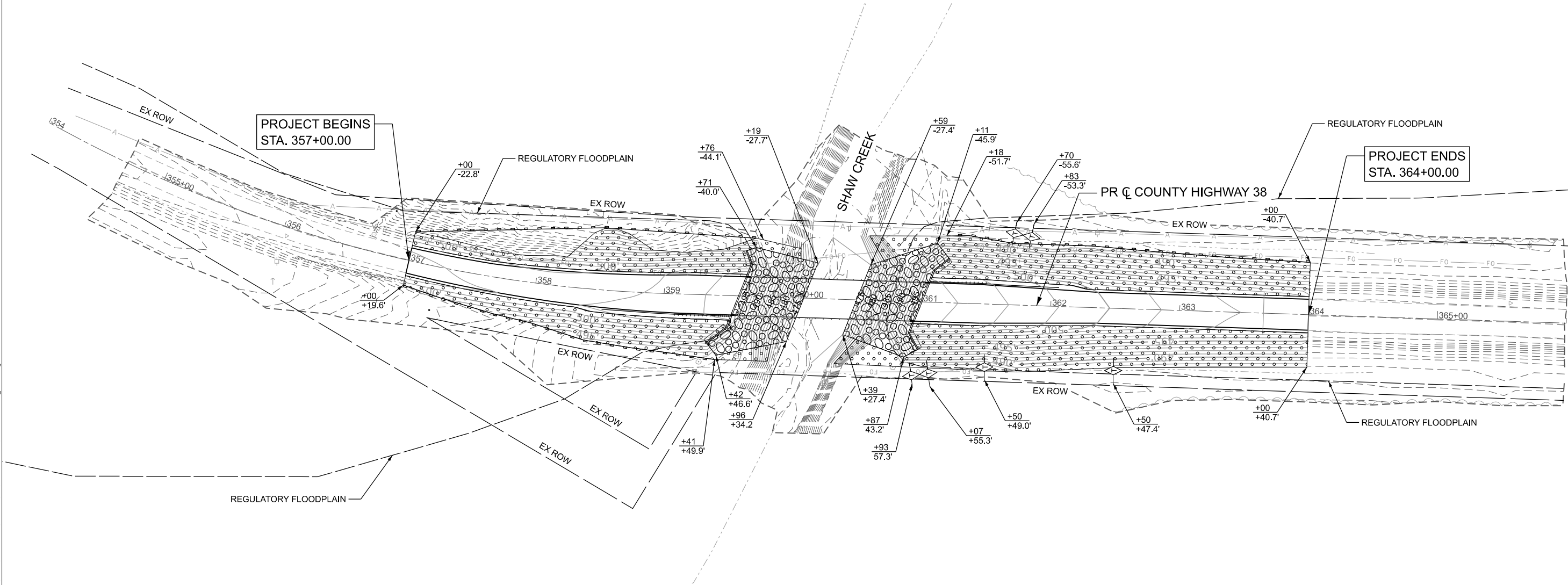
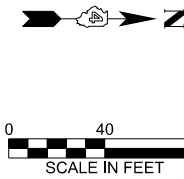
PERIMETER EROSION BARRIER

TEMPORARY DITCH CHECK

STONE RIPRAP, CLASS A5 W/ FILTER FABRIC

NOTES:

1. TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY WILDLIFE FRIENDLY EROSION CONTROL BLANKET WILL BE PLACED IN AREAS THAT WILL NOT BE DISTURBED FOR AT LEAST 14 DAYS, WITHIN 1 WORKING DAY OF CESSATION OF CONSTRUCTION ACTIVITIES.



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P 773.775.4009 | www.ciorba.com

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DRAWN - AMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT
EROSION CONTROL AND RESTORATION PLAN

SCALE: 1" = 40'

SHEET 1 OF 1 SHEETS

STA. 354+00 TO STA. 366+00

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	12
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
NO. _____	ALIGNMENT CHECKED _____		
	RT. OF WAY CHECKED _____		
	CADD FILE NAME _____		

A cross-sectional diagram showing the installation of straw wattles for erosion control. The diagram illustrates a slope with a hatched area labeled "Soil". A straw wattle, represented by a textured cylinder, is placed in a trench. A "WOOD STAKE" is driven into the soil on the right side of the wattle. A "STAKE WITHIN 2'' OF THE END OF WATTLE" is shown on the left. The distance between the wattle and the stake is labeled "2'' OR LESS". The distance between the wattle and the stake is also labeled "6'' MIN.". The diagram shows the wattle being secured by the stake and the soil.

1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
2. 4' SPACING FOR WATTLES.
3. 2' SPACING FOR ROLLED EXCELSIOR.
4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

A cross-sectional diagram illustrating the installation of a rolled erosion control product. A circular mat of the product is placed over a channel. A wooden stake is driven through the mat into the channel bottom to secure it. The mat is labeled 'ROLLED EROSION CONTROL PRODUCT'. The channel bottom is labeled 'CHANNEL BOTTOM'. The soil beneath the mat is labeled 'Soil'. A wavy arrow labeled 'Flow' indicates the direction of water movement. A label 'WOOD STAKE (TO ONLY PENETRATE NETTING)' points to the stake. A label '3" DEEP TRENCH' points to the depth of the channel.

1. DRAWINGS ARE NOT TO SCALE.
2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

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



STANDARD DWG. NO.
IUM-514
SHEET 1 OF 1
DATE 08-2-2019

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

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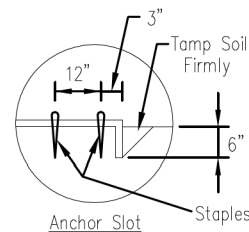
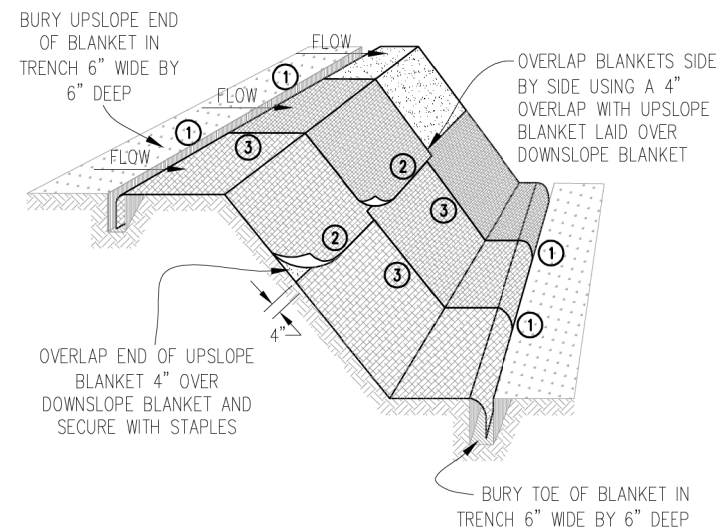
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT EROSION CONTROL DETAILS

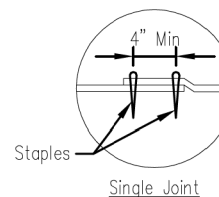
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		CONTRACT NO. 89886		
ILLINOIS		FED. AID PROJECT		

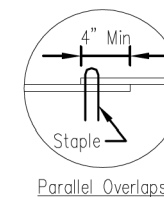
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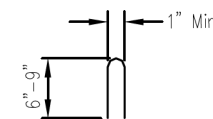
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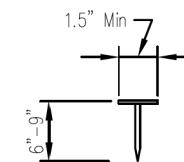
DETAIL 2



DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

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

Sheet 1 of 1

Drawing No.

File No. 111M-530

EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed _____	Date _____
Drawn <u>B. JOHNSON</u>	11/1/00
Checked _____	_____
Approved _____	_____

PLAN	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____	ALIGNMENT CHECKED _____		
NOTE BOOK NO. _____	RT. OF WAY CHECKED _____			
	CADD FILE NAME _____			

PROFILE	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
NOTE BOOK NO. _____	GRADES CHECKED _____			
	B.M. NOTED _____			
	STRUCTURE NOTATIONS CHKD _____			

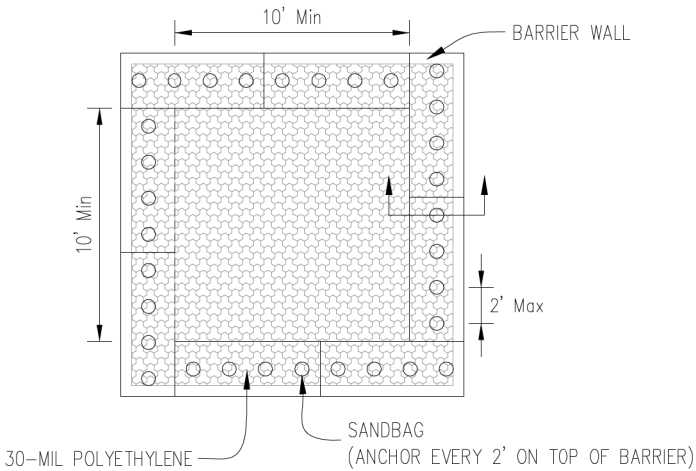
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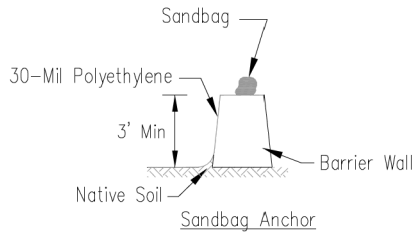
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SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 89886				
		ILLINOIS	FED. AID PROJECT	

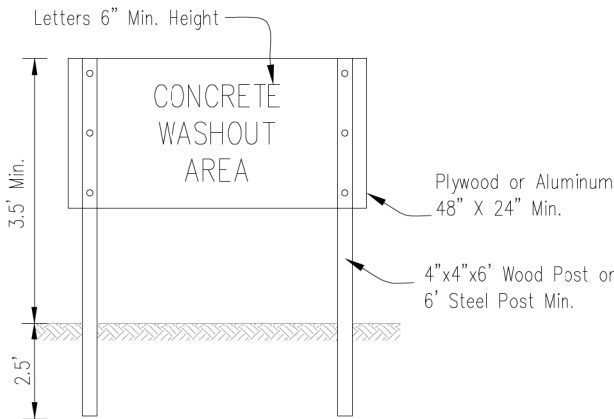
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

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

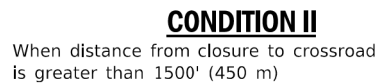
Sheet 3 of 3

File No.
100-6548V
Drawing No.

TEMPORARY CONCRETE
WASHOUT FACILITY – BARRIER WALL

Designed _____ Date _____
Drawn B. JOHNSON 6/08
Checked _____
Approved _____

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
	B.M. NOTED _____		
NO. _____	STRUCTURE NOTATIONS CH'KD _____		



Sign with 18x18 (450x450) min.
orange flag attached

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

STANDARD B.L.R. 21-9

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	15
		CONTRACT NO. 89886		
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	REVIEWED		
	DATE		
	FILE NAME		

EX CURVE
PI STA = 356+39.28
 $\Delta = 29^{\circ}06'28''$ (LT)
D = 17°54'10"
R = 1,050.00'
T = 272.60'
L = 533.43'
E = 34.81'
e = 4.0%
PC STA = 353+66.68
PT STA = 359+00.11



**CROSS SECTIONS
SUPERELEVATION DEVELOPMENT
FOR CURVE AT STA 356 + 39.28**

END TANGENT RUNOUT: STA 359+55.61

END SUPER RUNOFF: STA 359+30.61

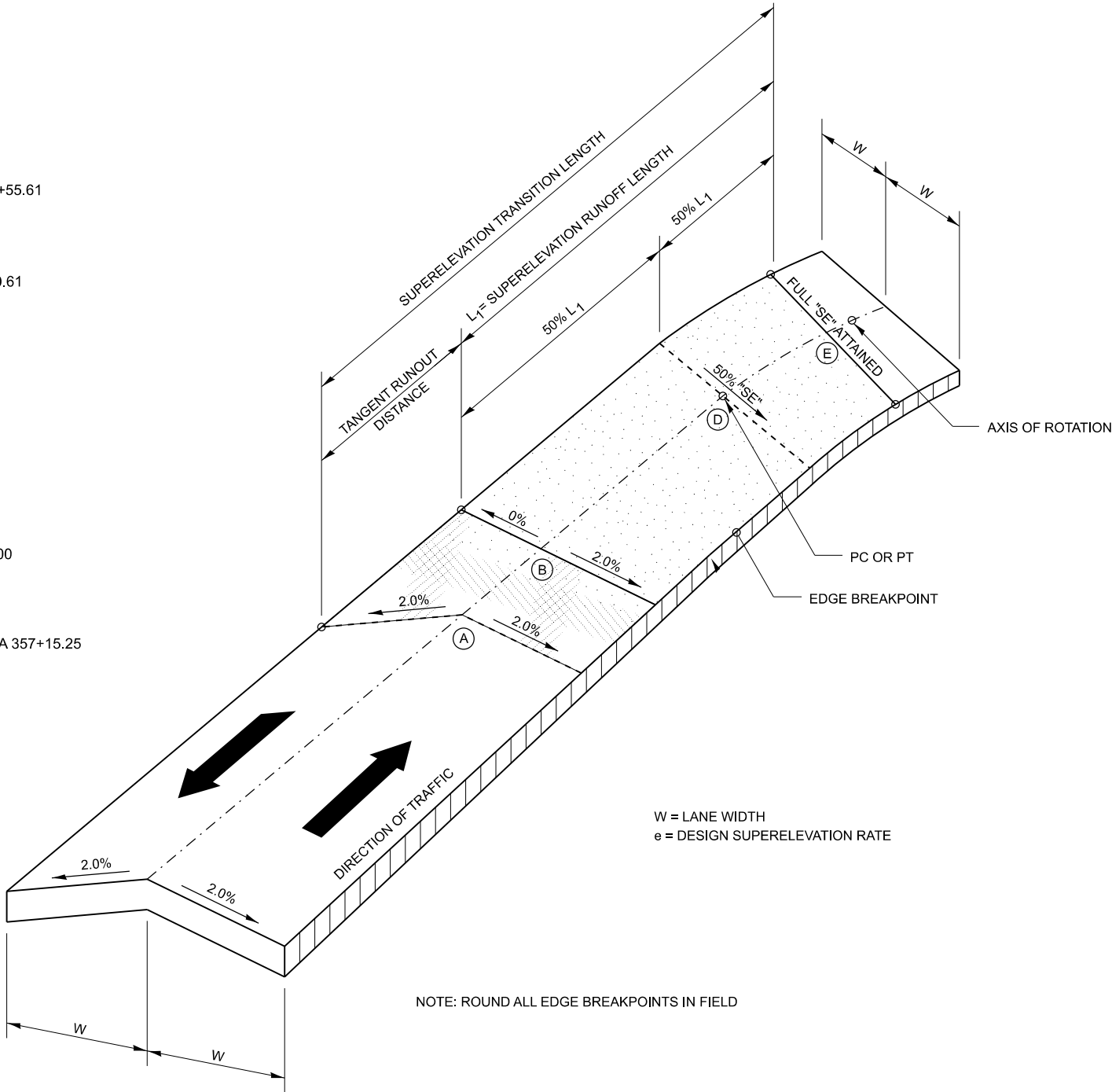
PT: STA 359+00.11

END FULL SUPER: STA 358+69.61

START FULL SUPER: STA 357+61.00

LOW SIDE TRANSITION ENDS: STA 357+15.25

MATCH EXISTING: STA 357+00.00



TRANSITION CURVE TABLE

CURVE PI STA.	DESIGN SPEED	CURVE RADIUS	SUPERELEVATION "e"	W	SUPERELEVATION RUNOFF LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION TRANSITION LENGTH
356+39.28	30 MPH	1050'	4.00%	10'	61'	25'	92'

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	REVIEWED		
	DATE		
	FILE NAME		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

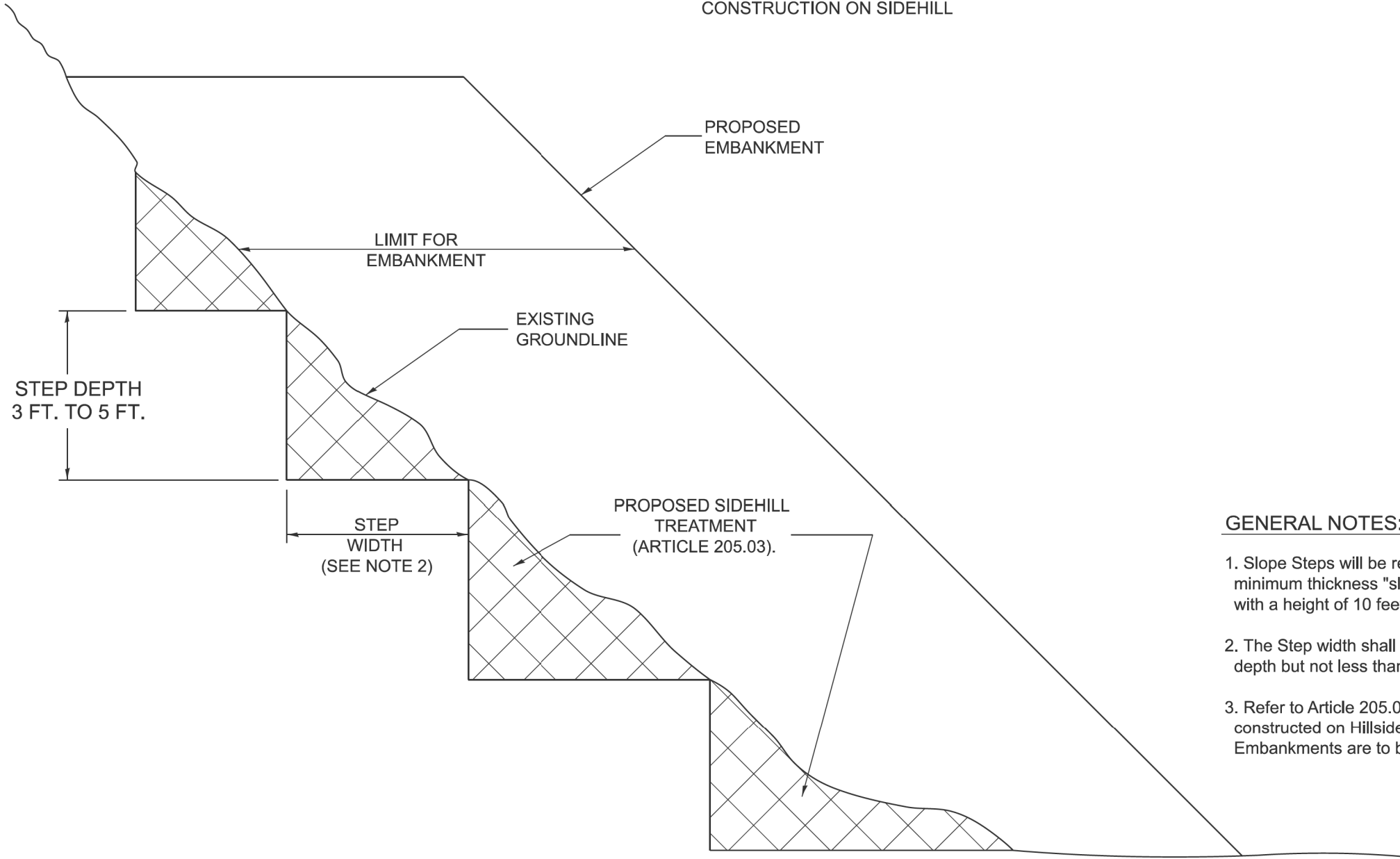
**CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT
SUPERELEVATION TRANSITION TABLE**

SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. TO STA.

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	16
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B.M. NOTED			
STRUCTURE NOTATIONS CHK'D			
NO. _____			

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



1. Slope Steps will be required for all 12 minimum thickness "sliver fills" and on all fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

**All dimensions are in inches
unless otherwise noted.**

FILE NAME:	USER NAME = thomas.cox	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLOPE STEPS DETAIL				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										0
		CHECKED -	REVISED -		DISTRICT 4 DETAIL NO. 205001				CONTRACT NO.				
	PLOT DATE = 9/17/2025	DATE -	REVISED -		SCALE: NOT TO SCALE	SHEET 000	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

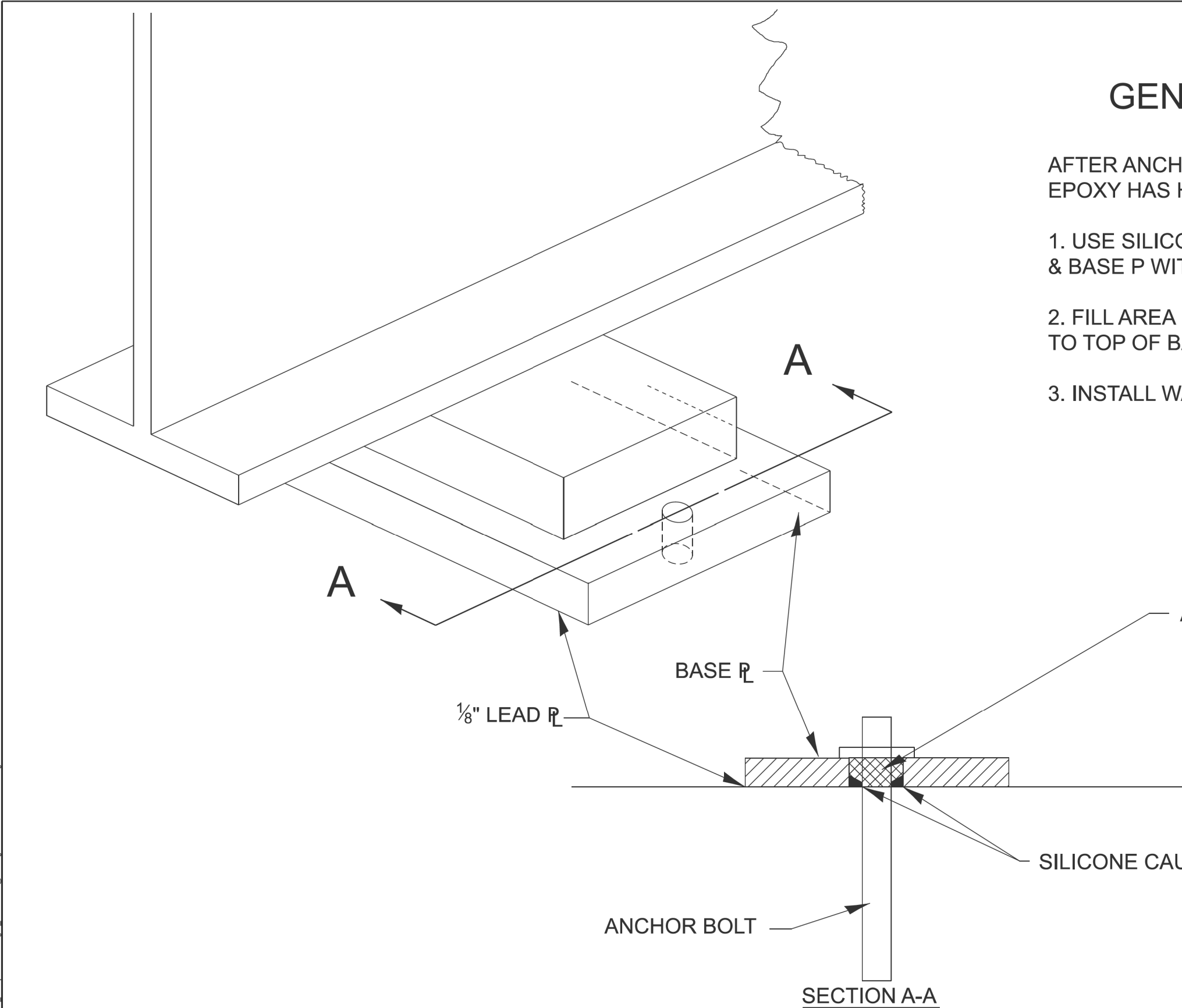
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	DRAWN - AMS	REVISED -
PLOT SCALE = 20,000 '"/in.	CHECKED - NDF	REVISED -
PLOT DATE = 7/29/2026	DATE - 8/7/2026	REVISED -

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT					
DISTRICT 4 DETAILS					
SCALE: NO SCALE	SHEET	1	OF	4	SHEETS
STA.	TO STA.				

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	17
		CONTRACT NO. 89886		
ILLINOIS		FED. AID PROJECT		

PLAN		SURVEYED _____		BY _____	DATE _____
NOTE BOOK NO. _____		PLOTTED _____			
		ALIGNMENT CHECKED _____			
		RT. OF WAY CHECKED _____			
		CADD FILE NAME _____			

PROFILE		SURVEYED _____		BY _____	DATE _____
NOTE BOOK NO. _____	STRUCTURE NOTATIONS CHKD	PLOTTED _____			
		GRADES CHECKED _____			
		B.M. NOTED _____			



GENERAL NOTES

AFTER ANCHOR BOLT IS INSTALLED & EPOXY HAS HARDENED

1. USE SILICONE CAULK TO SEAL LEAD PLATE & BASE PLATE WITH CONCRETE
2. FILL AREA A WITH 2 PART EPOXY, TO TOP OF BASE PLATE
3. INSTALL WASHER & NUT

MODEL: D4-505001
FILE NAME: c:\pwworking\tds\illinois\gov\thomas\cadd\022051.dgn

	USER NAME	= thomas.cox	DESIGNED	-	REVISED	-
			DRAWN	-	REVISED	-
			CHECKED	-	REVISED	-
	PLOT DATE	= 9/23/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING PLATE DETAIL

SCALE: NOT TO SCALE SHEET 000 OF SHEETS STA. TO STA.

All dimensions are in inches unless otherwise noted.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	18
CONTRACT NO. 89886				

	USER NAME	= askonicik	DESIGNED	- TBH	REVISED	-
			DRAWN	- AMS	REVISED	-
			CHECKED	- NDF	REVISED	-
	PLOT DATE	= 7/29/2026	DATE	- 8/7/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT DISTRICT 4 DETAILS

SCALE: NO SCALE SHEET 2 OF 4 SHEETS STA. TO STA.

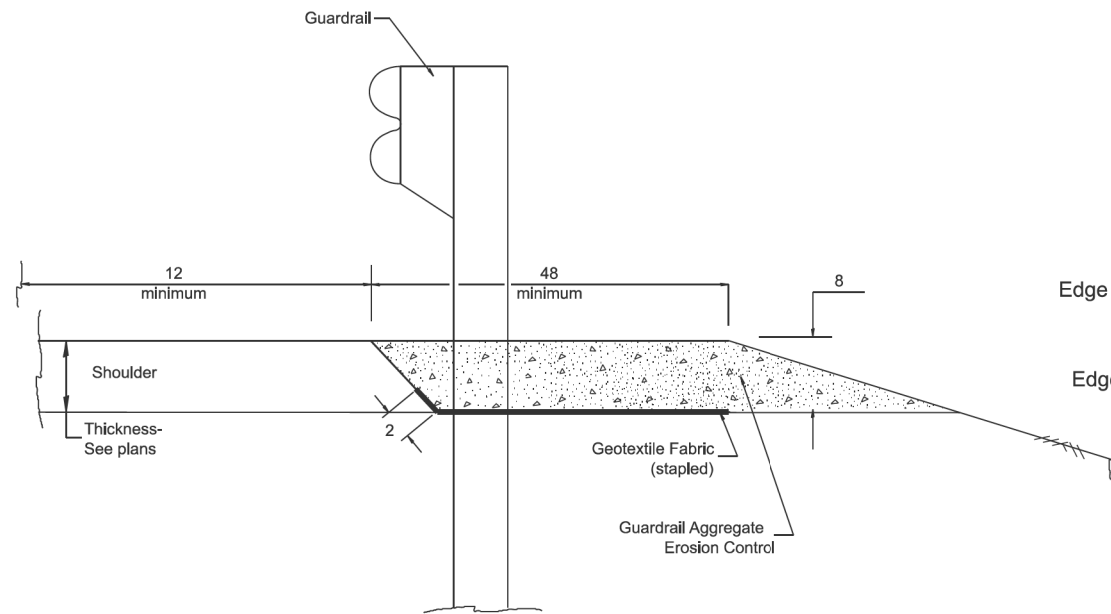
CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	18
CONTRACT NO. 89886				

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
	B.M. NOTED _____		
NO. _____	STRUCTURE NOTATIONS CH'KD _____		

DESIGNER NOTES:

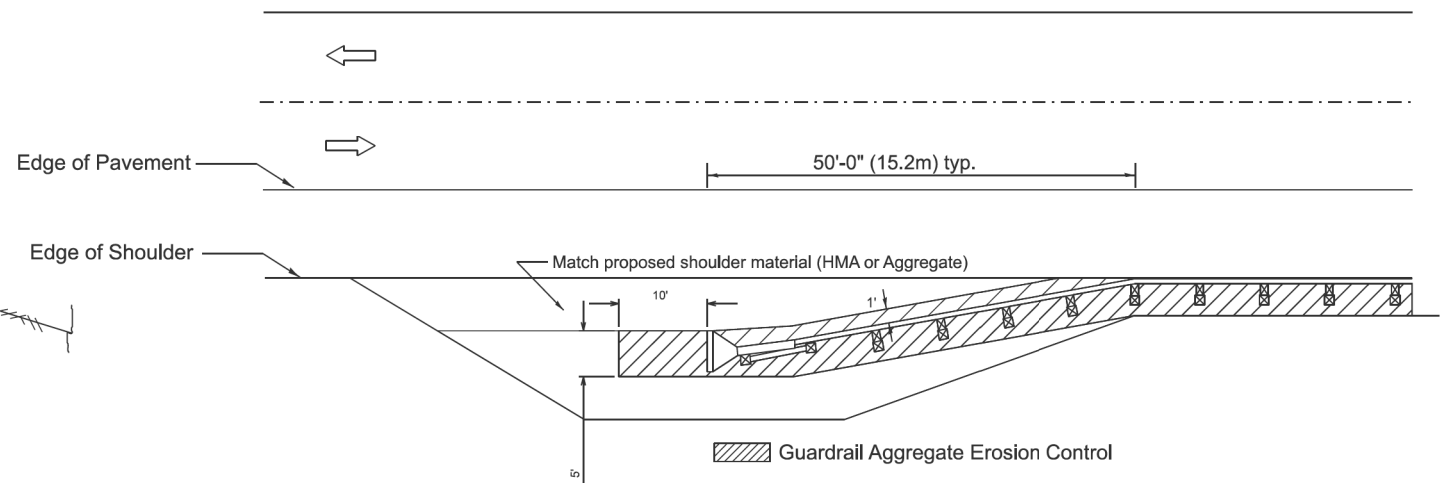
1. CONSIDER USING A "B" CURB PAY ITEM AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE EQUAL TO OR GREATER THAN 1% AND AT INLETS. (INCLUDE DISTRICT SPECIAL PROVISION)
2. USE "GUARDRAIL AGGREGATE EROSION CONTROL" AT GUARDRAIL INSTALLATIONS WHERE GRADES ARE LESS THAN 1% (INCLUDE DISTRICT SPECIAL PROVISION).
3. INCLUDE STATE STANDARD 610001, IF APPLICABLE.
4. INCLUDE THE FOLLOWING DISTRICT CADD STANDARDS AS NEEDED: SLOPE DRAINS FOR EXPOSED PIPES; SLOPE DRAINS FOR BURIED PIPES; SEEPAGE COLLARS FOR BURIED PIPES
5. SEEPAGE COLLARS FOR EXPOSED PIPES; CONCRETE THRUST BLOCKS AND PIPE ELBOW.
6. INCLUDE DISTRICT SPECIAL PROVISION - "AGGREGATE QUALITY" FOR PROJECTS LOCATED IN THE WESTERN AREA OF THE DISTRICT - APPROX. DIVIDING LINE IS IL 97.
7. DELETE DESIGNER NOTES WHEN INSERTING INTO PLAN FILES.
8. OPERATIONS PREFERS USE OF PIPE OUTLETTING ONTO FORESLOPE WITH RIPRAP. USE NON-METALLIC PIPE WHEN POSSIBLE BECAUSE OF FUTURE CORROSION ISSUES.
9. NO OTHER REINFORCING IS REQUIRED FOR THIS CONTRACT.

MODEL: D4-620101-01
ITEM NAME: cslw_workdownroadblock



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12 minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



All dimensions are in inches
unless otherwise noted.

 CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT DISTRICT 4 DETAILS	USER NAME = askonicki DESIGNED - TBH REVISED -	DRAWN - AMS REVISED -	CHECKED - NDF REVISED -	DATE - 8/7/2026 REVISED -	CH RT. 38 SECTION 20-00038-00-BR COUNTY FULTON TOTAL SHEETS 43	CONTRACT NO. 89
	SCALE: NO SCALE SHEET 3 OF 4 SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT
	PLOT SCALE = 20,000' / in. PLOT DATE = 7/29/2026					ILLINOIS FED. AID PROJECT
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					ILLINOIS FED. AID PROJECT

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	19
		CONTRACT NO. 89886		
		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED PLOTTED BY	CHECKED BY	DATE
NOTE BOOK NO.			
CADD FILE NAME			

PROFILE	SURVEYED PLOTTED BY	CHECKED BY	DATE
NOTE BOOK NO.			
STRUCTURE NOTATIONS CHKD			

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MODEL: SHT_PLAN
FILE NAME: C:\entley\CONNECT101\Organization-Civil\IDOT_Standards\Cat\IDOT_Sheets.cad

USER NAME = Eric.Thomas	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/7/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

SCALE: NOT TO SCALE SHEET 2 OF 2 SHEETS STA. TO STA.

All dimensions are in inches
unless otherwise noted.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTRICT 4 DETAIL NO. 630101		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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

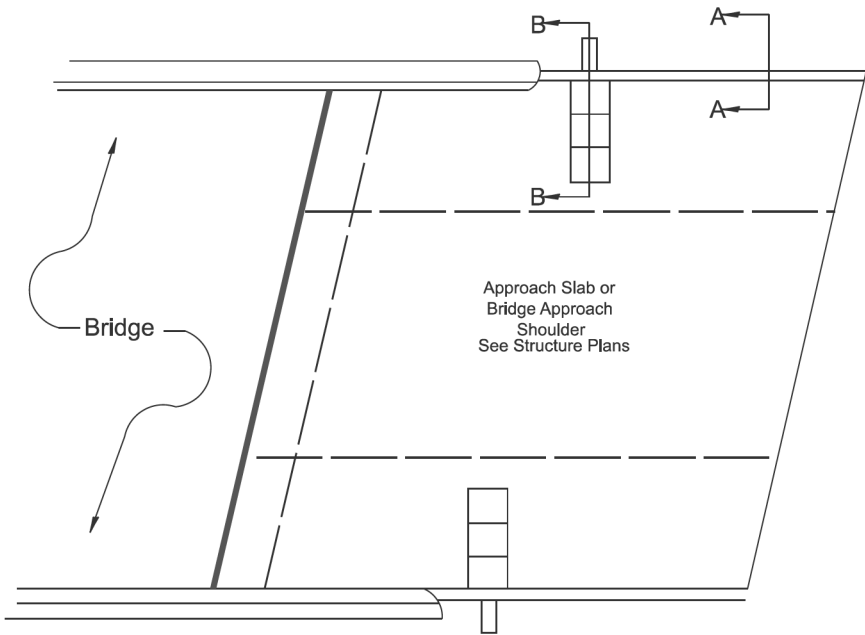
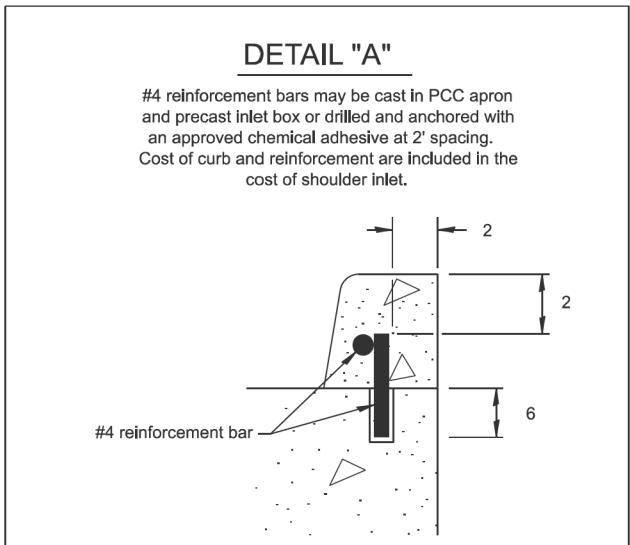
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	DRAWN - AMS	REVISED -
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PLOT DATE = 7/29/2026	DATE - 8/7/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

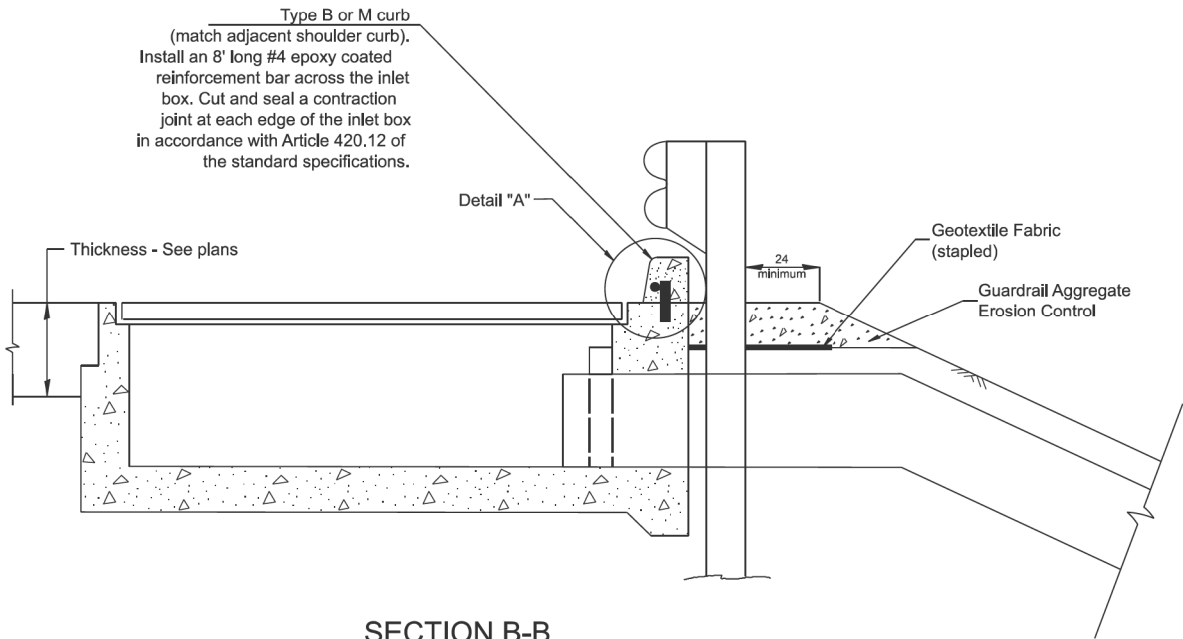
CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT
DISTRICT 4 DETAILS

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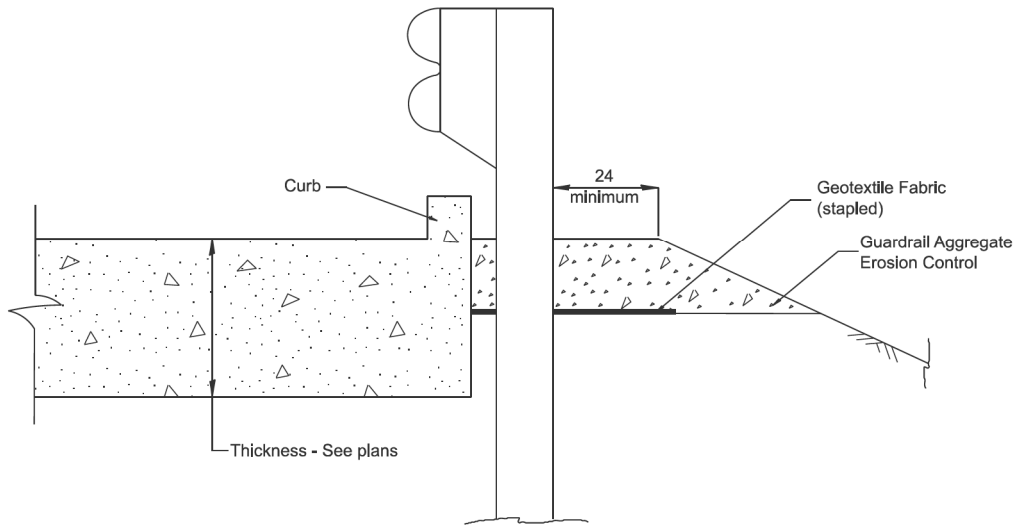
CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	20
		CONTRACT NO. 89886		
		ILLINOIS FED. AID PROJECT		



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

BENCHMARK: PK nail in asphalt of CH 38 south of bridge.
Sta. 359+45.35, Off. 6.31' Lt.

EXISTING STRUCTURE: SN 029-3039 was originally built in 1942 under Section 28B MFT as a three span continuous steel beam bridge with concrete deck on multi-column piers and abutments on spread footings. 130'-6" bk.-to-bk. abutments, 21'-0" o.-to-o. deck.

Structure closed to traffic during construction.

No salvage.



I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the 2024 AASHTO LRFD Bridge Design Specifications, 10th Edition.

DATE: 8/7/2026
SEAL EXPIRES: 11/30/2026

Leonardo Marcattelli

Traffic Barrier Terminal Type 6A
(S.E. & N.W. corners)

142'-5³/₄" Bk. to Bk. of Abut.

Curled End Sections
(N.E. & S.W. corners)

Steel Railing Type SM

Elev. 493.57

Low Beam Elev. 497.67

1.4' cl.

56" Web Plate Girder (Composite full length)

D.H.W.
496.3

Elev. 493.62

Steel H piles

1:2 (V:H) @ Rt. L's

E.W.S.E.
478.19

Streambed Elev.
473.92

1:2 (V:H) @ Rt. L's

Existing substructure to be removed 2' below proposed grade

* Type 2 Cofferdam

HIGHWAY CLASSIFICATION

CH 38
Functional Class: Local Road
ADTT: 75 (2025)
DHV: 0
Design Speed: 30 MPH
Posted Speed: Unposted
Two-Way Traffic
Directional Distribution: 50:50

DESIGN STRESSES

FIELD UNITS

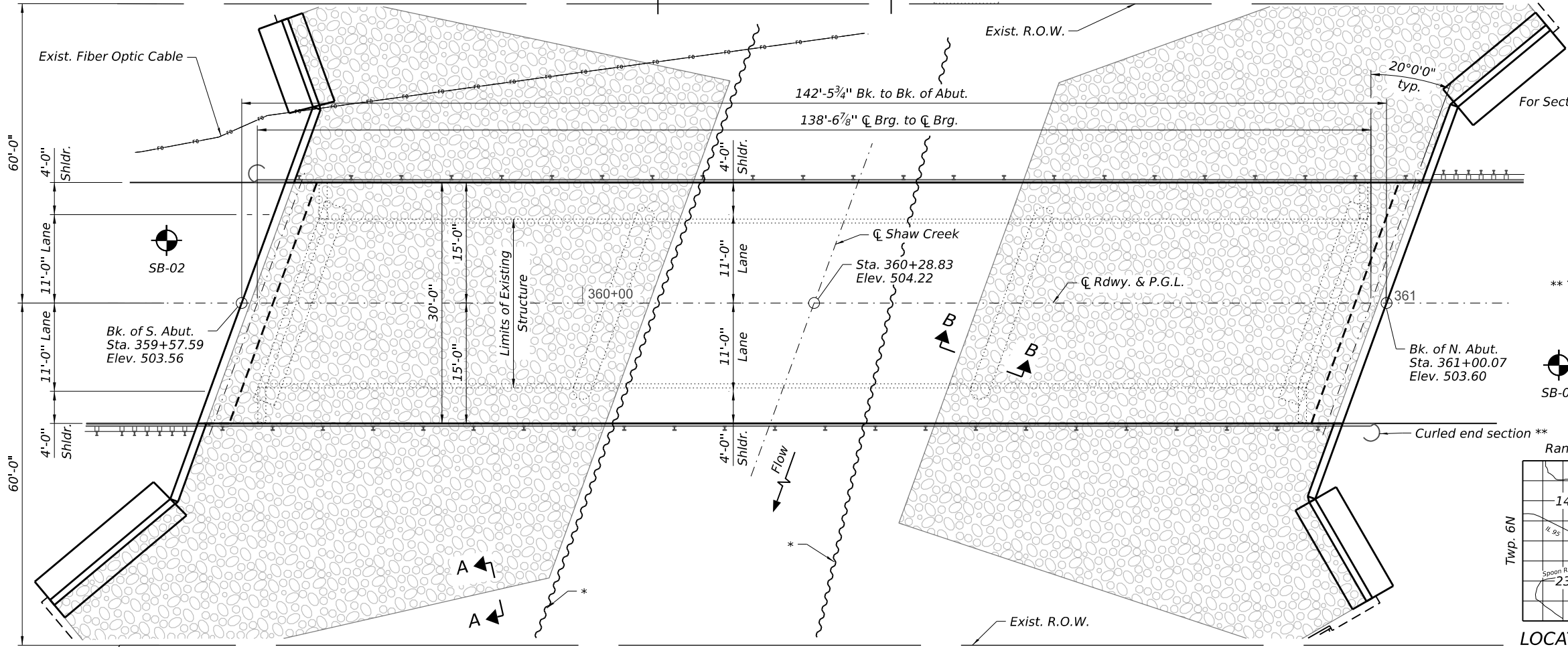
f'_c = 5,000 psi (Superstructure)
f'_c = 3,500 psi (Substructure)
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (M270 Grade 50W)

DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design Specifications, 10th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.



WATERWAY INFORMATION

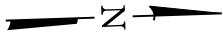
Drainage Area = 52.6 Sq. Mi.		Existing Low Grade Elev. 497.50 @ Sta. 365+47							
		Proposed Low Grade Elev. 497.50 @ Sta. 365+47							
Flood	Freq. Yr.	Q C.F.S.	Opening Ft²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	4,570	1,618	2,047	496.3	0.1	0.1	496.4	496.4
Design	15	5,352	1,618	2,046	496.3	0.2	0.2	496.5	496.5
Base	100	8,650	1,685	2,191	499.9	0.1	0.1	500.0	500.0
Max. Calc.	500	11,700	1,685	2,191	501.2	0.0	0.0	501.2	501.2

10 Year Velocity through Existing Bridge = 2.8 fps
2-Yr. Flow Rate = 1,940 ft³/s
10 Year Velocity through Proposed Bridge = 2.2 fps

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elev. (ft.)		Item
	S. Abut.	N. Abut.	
State			
Q100	494.1	494.2	8
Q200	494.1	494.2	
Design	494.1	494.2	
Check	494.1	494.2	

PLAN



SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.120g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.192g
Soil Site Class = D

GENERAL PLAN & ELEVATION

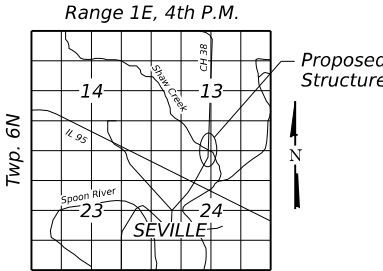
CH 38 OVER SHAW CREEK

SECTION 20-00038-00-BR

FULTON COUNTY

STATION 360+28.83

STRUCTURE NO. 029-3239



LOCATION SKETCH



USER NAME =	DESIGNED - LM	REVISED -
CHECKED - BWS	REVISED -	
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 029-3239

SHEET 5-01 OF 5-16 SHEETS

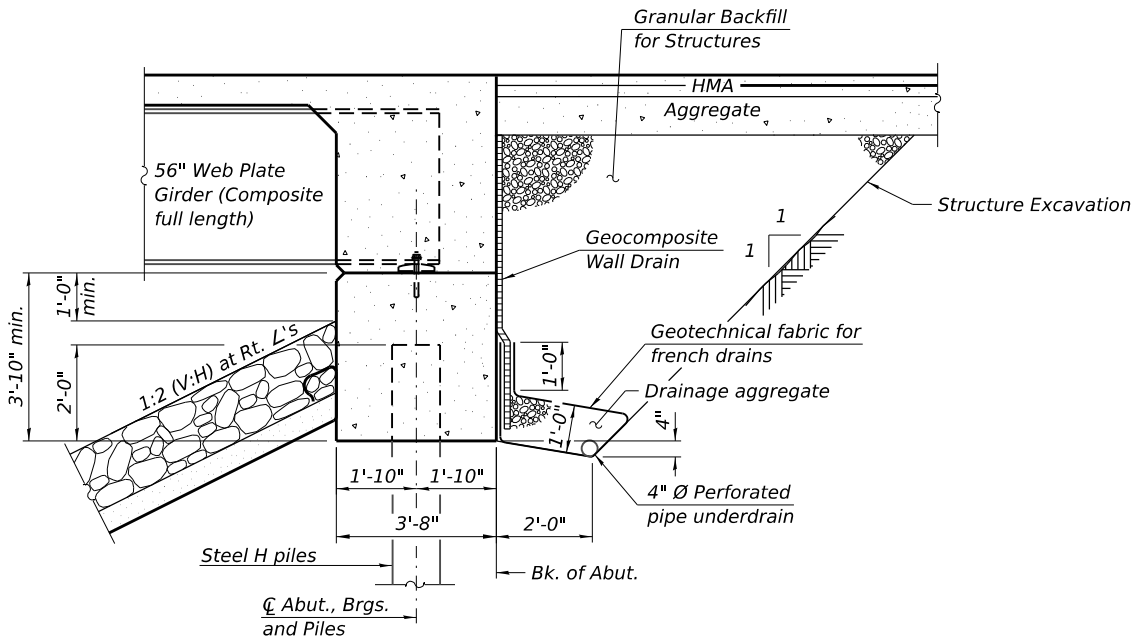
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	21
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted or coated metalized areas. Fasteners shall be ASTM F 3125 Grade A325 Type 1, hot-dipped galvanized in uncoated areas. Fasteners shall be ASTM F 3125 Grade A325 Type 3 weathering steel bolts in unpainted areas. Bolts 7/8"Ø, holes 15/16"Ø, unless otherwise noted.
2. Calculated weight of Structural Steel = 199,171 lbs.
3. All structural steel shall be AASHTO M 270 Grade 50W.
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. 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.
7. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
8. Structural steel shall only be painted from distance equal to the depth of embedment into the concrete cap plus 18 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.
9. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
10. Bridge Deck Grooving is figured 1'-0" from the face of the rail. It shall be applied to the bridge deck.
11. Protective coat shall be applied to the top surface and fascia of the concrete deck, ends of diaphragms, and wingwalls.
12. Pavement rollers shall not be allowed on bridge deck grooving.
13. All construction joints shall be bonded.

INDEX OF STRUCTURE SHEETS

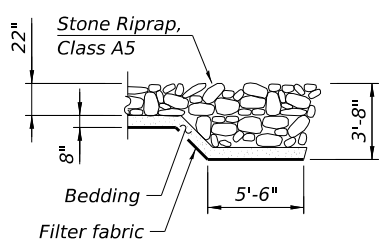
1. General Plan & Elevation
2. General Details
- 3-4. Top of Slab Elevations
5. Superstructure
6. Superstructure Details
7. Steel Railing, Type SM
8. Structural Steel
9. Structural Steel Details
10. Bearing Details
11. South Abutment
12. North Abutment
- 13-14. Wingwall Details
15. HP Pile Details
16. Soil Borings



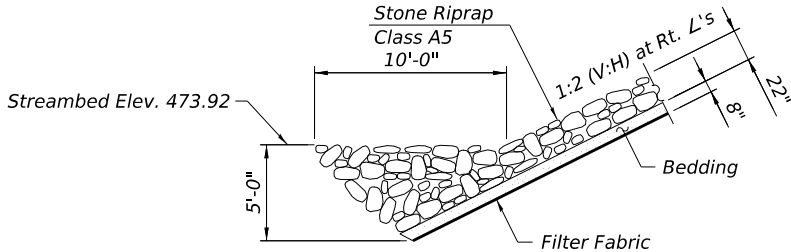
SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. at Rt. L's)

SHAW CREEK
BUILT 202_BY
FULTON COUNTY
SEC. 20-00038-00-BR
F.A. 38 / C.H. 38
STR. NO. 029-3239
LOADING HL-93

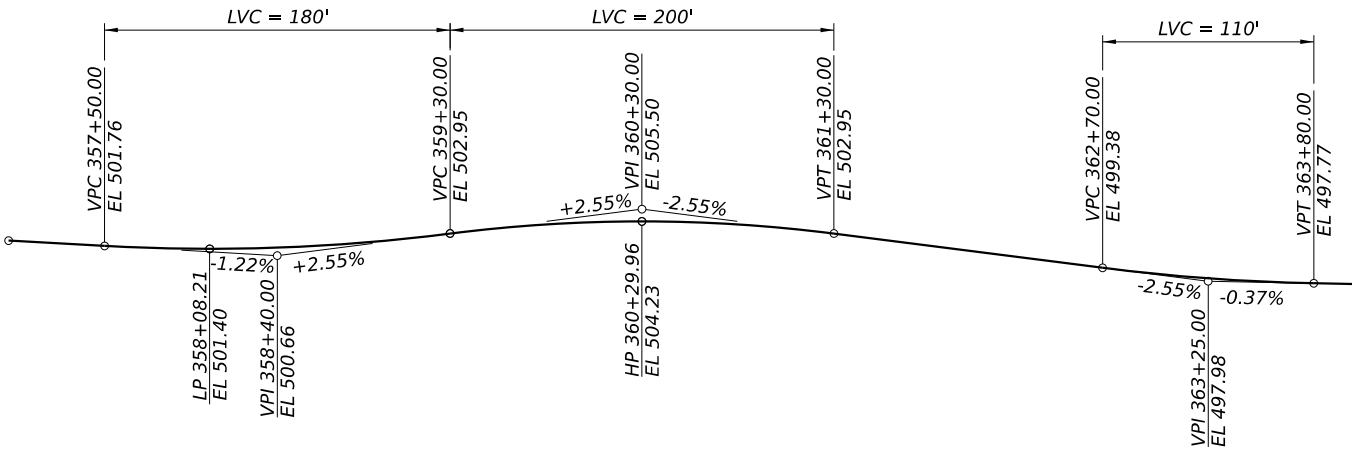
NAME PLATE
See Std. 515001



SECTION A-A



SECTION B-B



PROFILE GRADE
(Along P.G.L.)

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SUB	SUPER	TOTAL
Stone Riprap, Class A5	Sq Yd	844		844
Filter Fabric	Sq Yd	844		844
Removal Of Existing Structures	Each			1
Structure Excavation	Cu Yd	168		168
Cofferdam (Type 2) (Location - 1)	Each	1		1
Cofferdam (Type 2) (Location - 2)	Each	1		1
Concrete Structures	Cu Yd	92.8		92.8
Concrete Superstructure	Cu Yd		168.0	168.0
Bridge Deck Grooving	Sq Yd		444	444
Protective Coat	Sq Yd	10	529	539
Furnishing And Erecting Structural Steel	L Sum		1	1
Stud Shear Connectors	Each		2,085	2,085
Reinforcement Bars, Epoxy Coated	Pound	16,230	31,910	48,140
Steel Railing, Type SM	Foot		285	285
Furnishing Steel Piles HP10X42	Foot	528		528
Furnishing Steel Piles HP14X73	Foot	330		330
Driving Piles	Foot	858		858
Test Pile Steel HP10X42	Each	4		4
Test Pile Steel HP14X73	Each	2		2
Name Plates	Each	1		1
Anchor Bolts, 1"	Each		20	20
Granular Backfill For Structures	Cu Yd	211		211
Geocomposite Wall Drain	Sq Yd	145		145
Pipe Underdrains For Structures 4"	Foot	171		171
Terminal Marker - Direct Applied	Each		2	2
Bar Terminators	Each	300	96	396

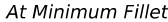
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8/7/2026 1:29:57 PM



GIRDERS 2-4

(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.



At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheet 4 of 16, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

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FILE NAME: pwr/ciorba-pw.bentley.com:ciorba-pw-01/Documents/Projects/IL_Counties/Fulton/0022051.0.1/CADData/SH/Structural/0022051.0.1-x-04-TopofSlabElevations2.dgn

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	359+62.26	-12.83	503.38	503.38
CL Brg. S. Abut.	359+64.21	-12.83	503.42	503.42
A	359+74.21	-12.83	503.57	503.66
B	359+84.21	-12.83	503.70	503.87
C	359+94.21	-12.83	503.81	504.04
D	360+04.21	-12.83	503.88	504.18
E	360+14.21	-12.83	503.94	504.28
F	360+24.21	-12.83	503.96	504.33
G	360+34.21	-12.83	503.97	504.34
H	360+44.21	-12.83	503.94	504.31
I	360+54.21	-12.83	503.89	504.23
J	360+64.21	-12.83	503.82	504.11
K	360+74.21	-12.83	503.72	503.95
L	360+84.21	-12.83	503.59	503.75
M	360+94.21	-12.83	503.44	503.52
CL Brg. N. Abut.	361+02.79	-12.83	503.29	503.29
Bk. N. Abut.	361+04.74	-12.83	503.26	503.26

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	359+59.93	-6.42	503.47	503.47
CL Brg. S. Abut.	359+61.88	-6.42	503.50	503.50
A	359+71.88	-6.42	503.67	503.74
B	359+81.88	-6.42	503.80	503.95
C	359+91.88	-6.42	503.91	504.13
D	360+01.88	-6.42	504.00	504.27
E	360+11.88	-6.42	504.05	504.37
F	360+21.88	-6.42	504.09	504.43
G	360+31.88	-6.42	504.10	504.44
H	360+41.88	-6.42	504.08	504.41
I	360+51.88	-6.42	504.04	504.34
J	360+61.88	-6.42	503.97	504.23
K	360+71.88	-6.42	503.87	504.08
L	360+81.88	-6.42	503.75	503.90
M	360+91.88	-6.42	503.61	503.68
CL Brg. N. Abut.	361+00.45	-6.42	503.46	503.46
Bk. N. Abut.	361+02.41	-6.42	503.43	503.43

☐ STRUCTURE P.G.L. & GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	359+57.59	0.00	503.56	503.56
CL Brg. S. Abut.	359+59.54	0.00	503.59	503.59
A	359+69.54	0.00	503.76	503.84
B	359+79.54	0.00	503.90	504.05
C	359+89.54	0.00	504.02	504.24
D	359+99.54	0.00	504.11	504.38
E	360+09.54	0.00	504.17	504.48
F	360+19.54	0.00	504.21	504.55
G	360+29.54	0.00	504.22	504.57
H	360+39.54	0.00	504.21	504.55
I	360+49.54	0.00	504.18	504.48
J	360+59.54	0.00	504.11	504.38
K	360+69.54	0.00	504.03	504.24
L	360+79.54	0.00	503.91	504.05
M	360+89.54	0.00	503.77	503.84
CL Brg. N. Abut.	360+98.12	0.00	503.63	503.63
Bk. N. Abut.	361+00.07	0.00	503.60	503.60

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	359+55.25	6.42	503.38	503.38
CL Brg. S. Abut.	359+57.21	6.42	503.42	503.42
A	359+67.21	6.42	503.59	503.67
B	359+77.21	6.42	503.74	503.89
C	359+87.21	6.42	503.86	504.08
D	359+97.21	6.42	503.96	504.23
E	360+07.21	6.42	504.03	504.34
F	360+17.21	6.42	504.08	504.41
G	360+27.21	6.42	504.10	504.44
H	360+37.21	6.42	504.09	504.42
I	360+47.21	6.42	504.06	504.37
J	360+57.21	6.42	504.00	504.27
K	360+67.21	6.42	503.92	504.13
L	360+77.21	6.42	503.81	503.96
M	360+87.21	6.42	503.68	503.75
CL Brg. N. Abut.	360+95.78	6.42	503.54	503.54
Bk. N. Abut.	360+97.73	6.42	503.51	503.51

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	359+52.92	12.83	503.21	503.21
CL Brg. S. Abut.	359+54.87	12.83	503.25	503.25
A	359+64.87	12.83	503.43	503.51
B	359+74.87	12.83	503.58	503.75
C	359+84.87	12.83	503.71	503.95
D	359+94.87	12.83	503.81	504.11
E	360+04.87	12.83	503.89	504.23
F	360+14.87	12.83	503.94	504.31
G	360+24.87	12.83	503.96	504.34
H	360+34.87	12.83	503.97	504.33
I	360+44.87	12.83	503.94	504.28
J	360+54.87	12.83	503.89	504.18
K	360+64.87	12.83	503.81	504.04
L	360+74.87	12.83	503.71	503.87
M	360+84.87	12.83	503.58	503.66
CL Brg. N. Abut.	360+93.45	12.83	503.46	503.46
Bk. N. Abut.	360+95.40	12.83	503.42	503.42



USER NAME =	DESIGNED - LM	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

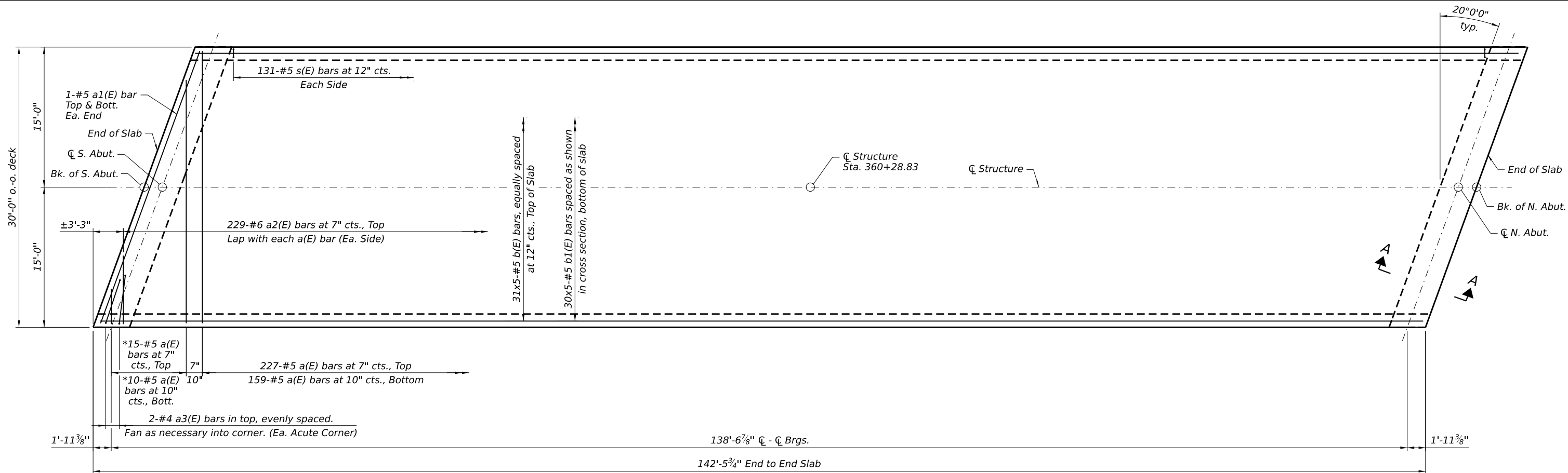
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 029-3239

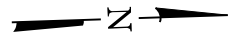
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	24
		CONTRACT NO. 89886		
		ILLINOIS	FED. AID PROJECT	

SHEET 5-04 OF 5-16 SHEETS

MODEL: sMODELNAME\$
FILE NAME: pwr/ciorba-pw.bentley.com/ciorba-pw-01/Documents/Projects/IL_Counties/Fulton/0022051.01/CADDData/SH/Structure/0022051.01-x-05-Superstructure.dgn

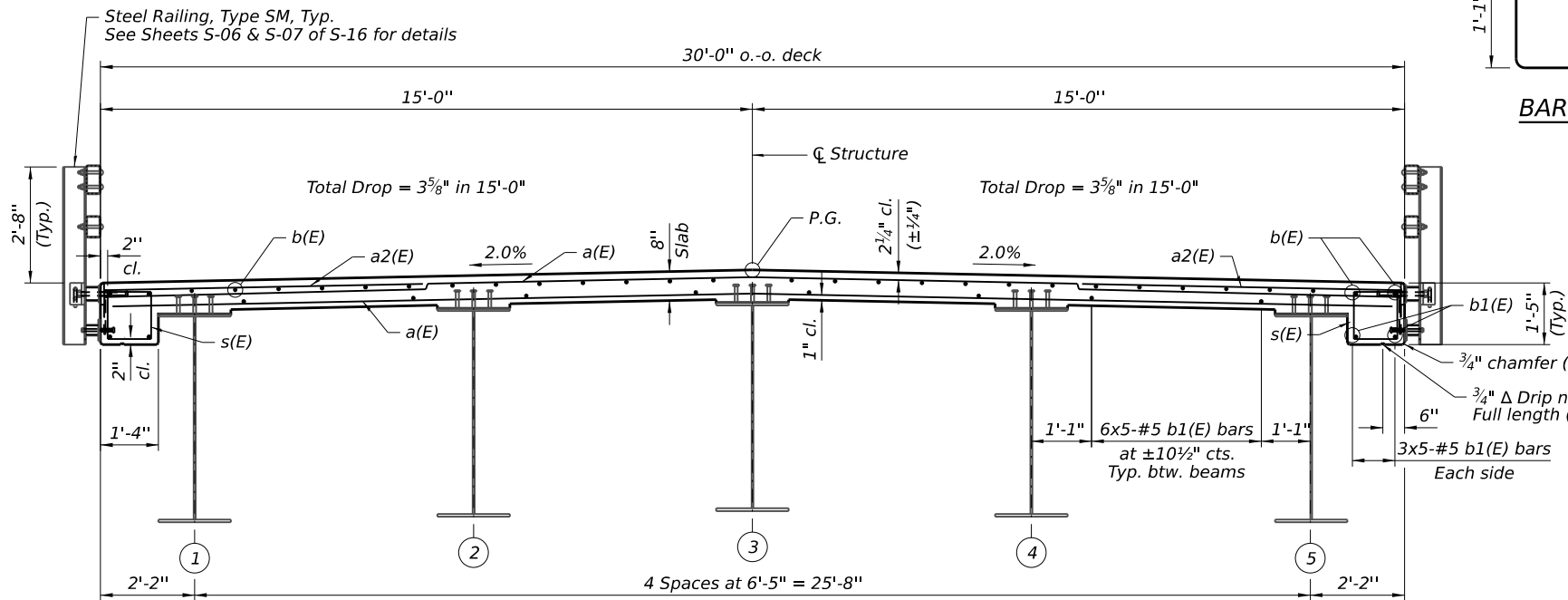


*Order a(E) bars full length. Cut to fit skew & use remainder of bars in other end.

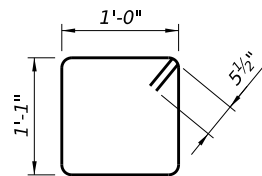


PLAN

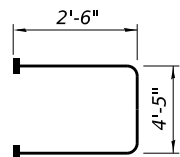
MIN. BAR LAP
#5 bars = 3'-6"



CROSS SECTION
(Looking North)

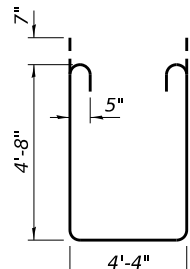


BAR s(E)

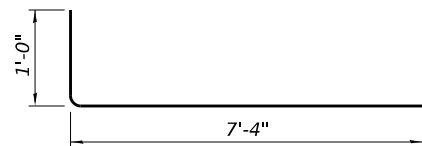


BAR s1(E)

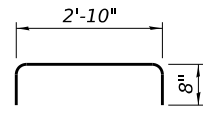
(Headed. 96 - #5 Bar terminators)



BAR s2(E)



BAR a2(E)



BAR a3(E)

NOTES:

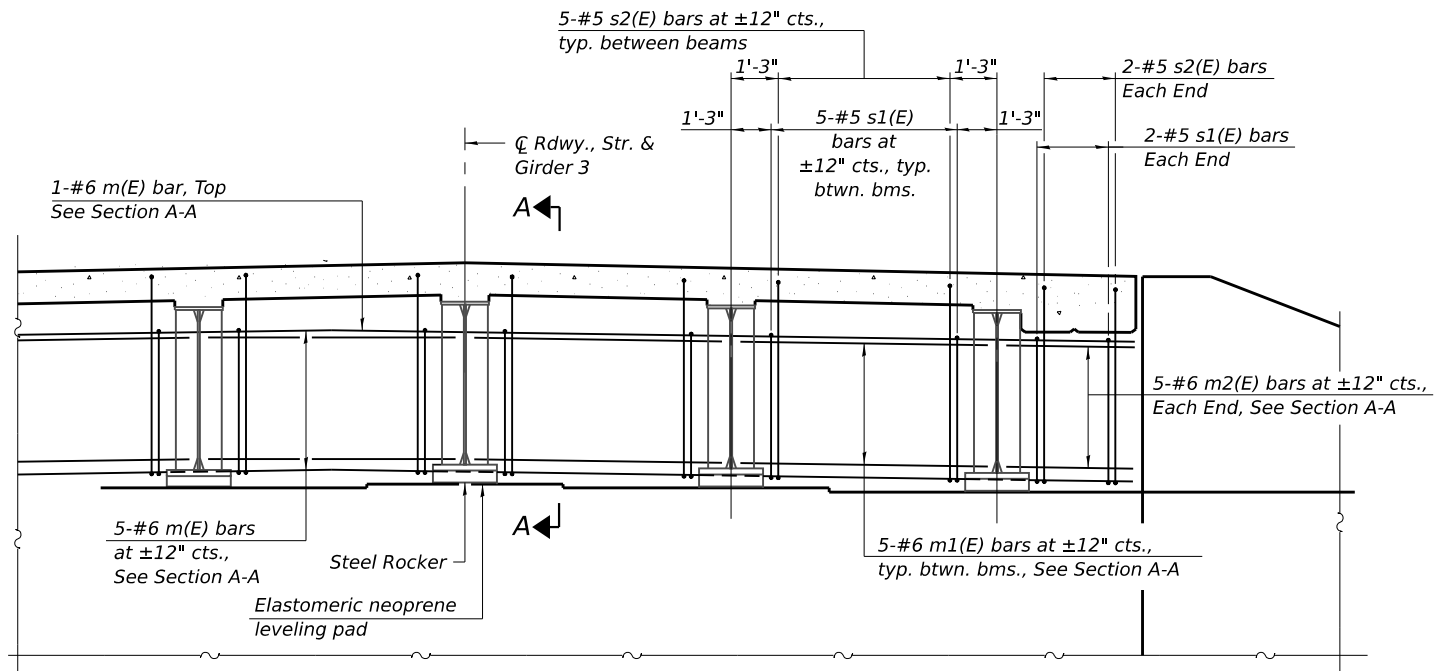
- See sheet S-06 of S-16 for superstructure details.
- Bar indicated 30x5-#5 etc. indicates 30 lines bars with 5 lengths per line.
- See sheet S-06 of S-16 for Section A-A.
- Bar Terminators, paid for separately. See Total Bill of Material.
- Bridge Deck Grooving is figured 1'-0" from the face of rail.

SUPERSTRUCTURE BILL
OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	411	#5	29'-8"	
a1(E)	4	#5	31'-7"	
a2(E)	458	#6	8'-4"	
a3(E)	4	#4	4'-2"	
b(E)	155	#5	30'-6"	
b1(E)	150	#5	30'-6"	
m(E)	12	#6	31'-7"	
m1(E)	40	#6	6'-4"	
m2(E)	20	#6	2'-0"	
s(E)	262	#5	5'-1"	
s1(E)	48	#5	9'-5"	
s2(E)	48	#5	14'-10"	
Concrete Superstructure			Cu. Yd.	168.0
Bridge Deck Grooving			Sq. Yd.	444
Protective Coat			Sq. Yd.	529
Reinforcement Bars, Epoxy Coated			Pound	31,910
Bar Terminators			Each	96

NOTES:

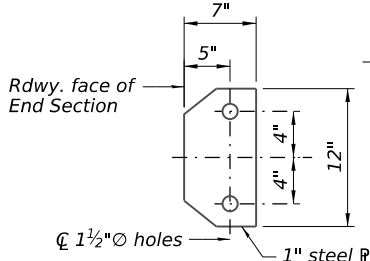
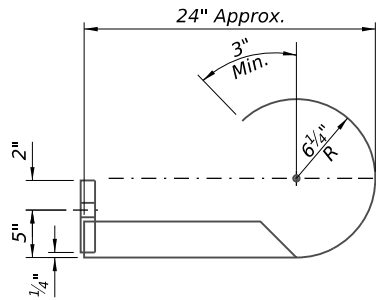
1. Reinforcement bars in diaphragm are billed with Superstructure on sheet S-05 of S-16.
2. Concrete in diaphragm is included with Concrete Superstructure on sheet S-05 of S-16.
3. The s1(E) and s2(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.



DIAPHRAGM AT ABUTMENT

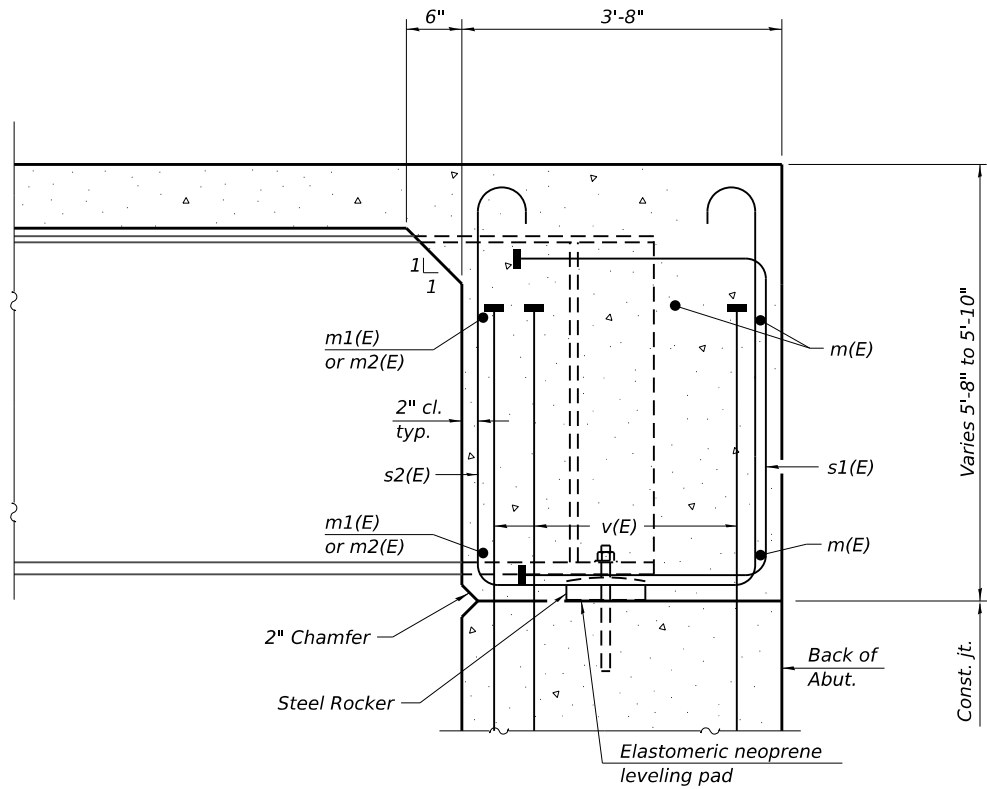
Dimensions at right angles to girders

Note: Cost of curled end sections shall be included with the Steel Railing, Type SM (2 Required N.E. & S.W. Corners)



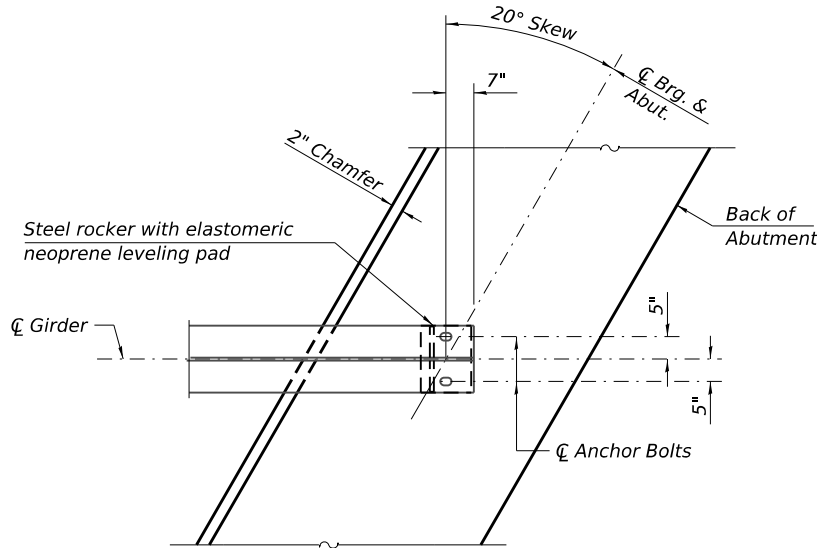
SECTION B-B

CURLED END SECTION DETAILS



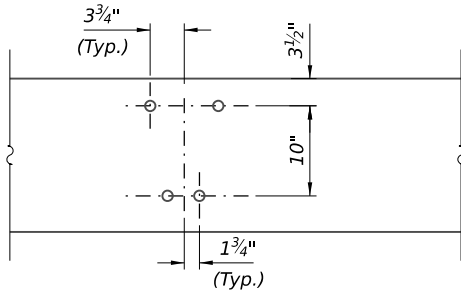
SECTION A-A

(at Rt. L's)

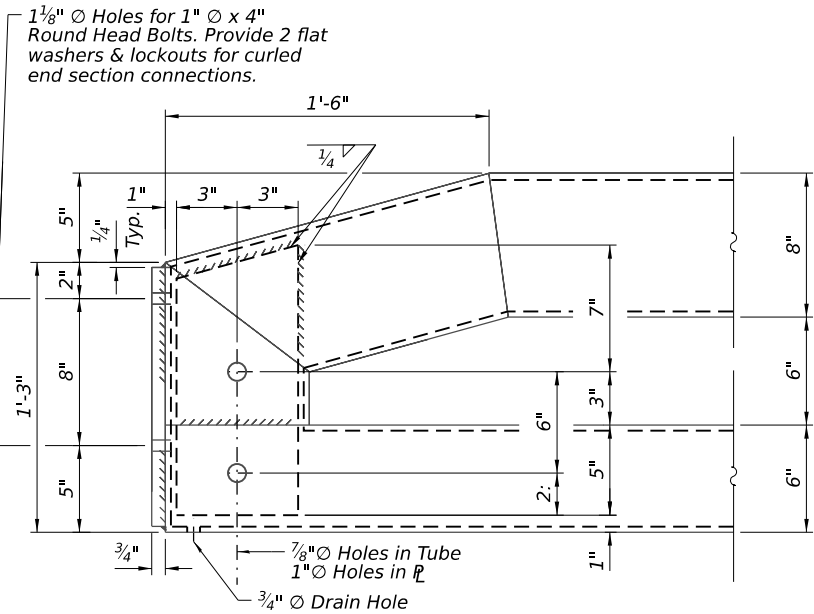


PLAN AT ABUTMENT

(Showing bottom flange of beam)

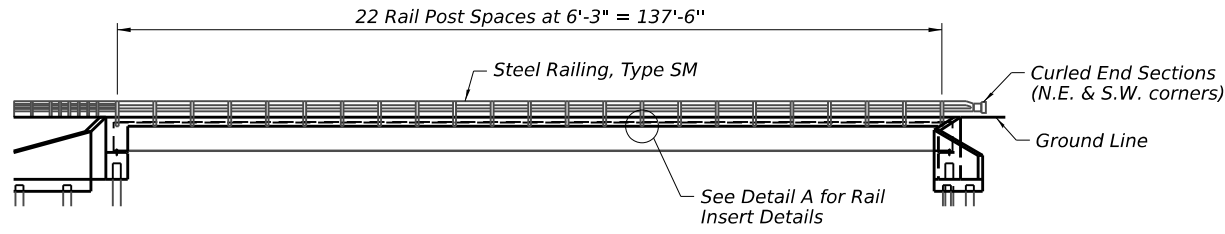
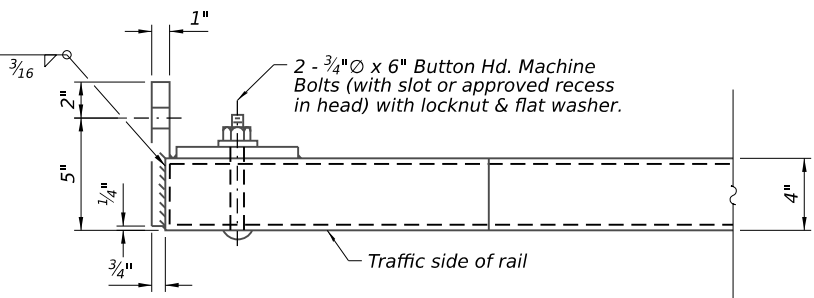


DETAIL A



RAIL TERMINAL

(N.E. & S.E. Corners)



RAILING ELEVATION

Showing Rail Post Spaces

See sheet S-07 of S-16 for Railing Details.

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DEPARTMENT OF TRANSPORTATION

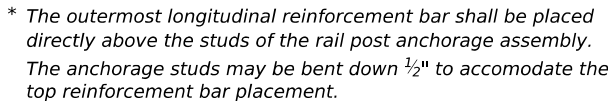
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 029-3239

SHEET S-06 OF S-16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	26
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				



RAILING CRITERIA

SECTION AT RAIL POST

SPLICE DIMENSIONS

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



**** Threaded areas shall be plugged or blocked off during casting of concrete**



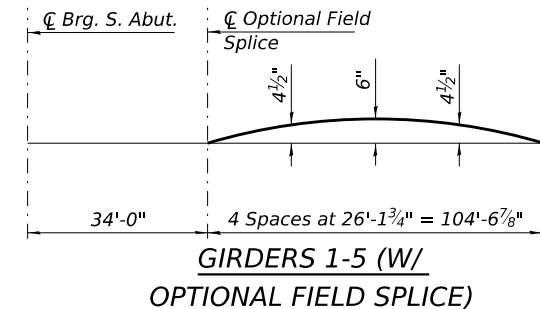
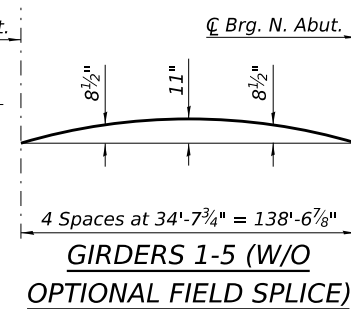
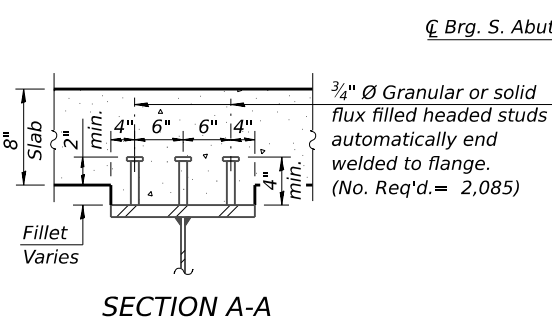
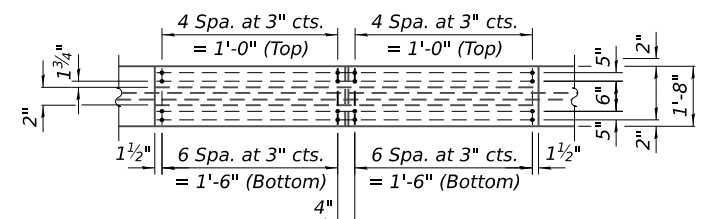
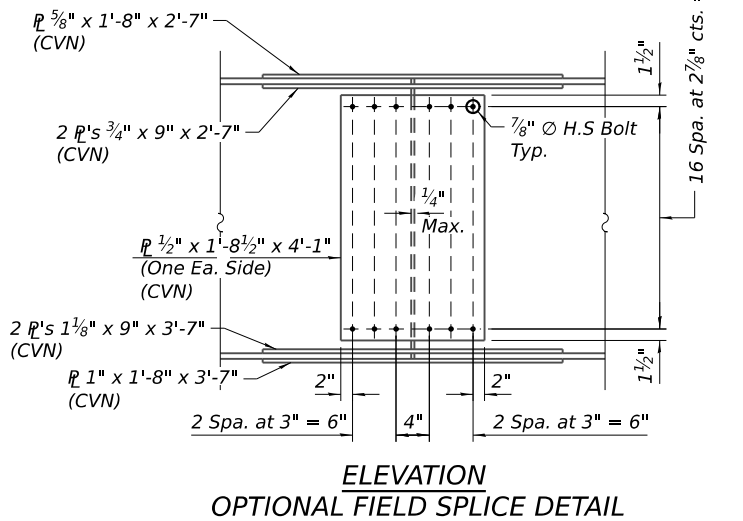
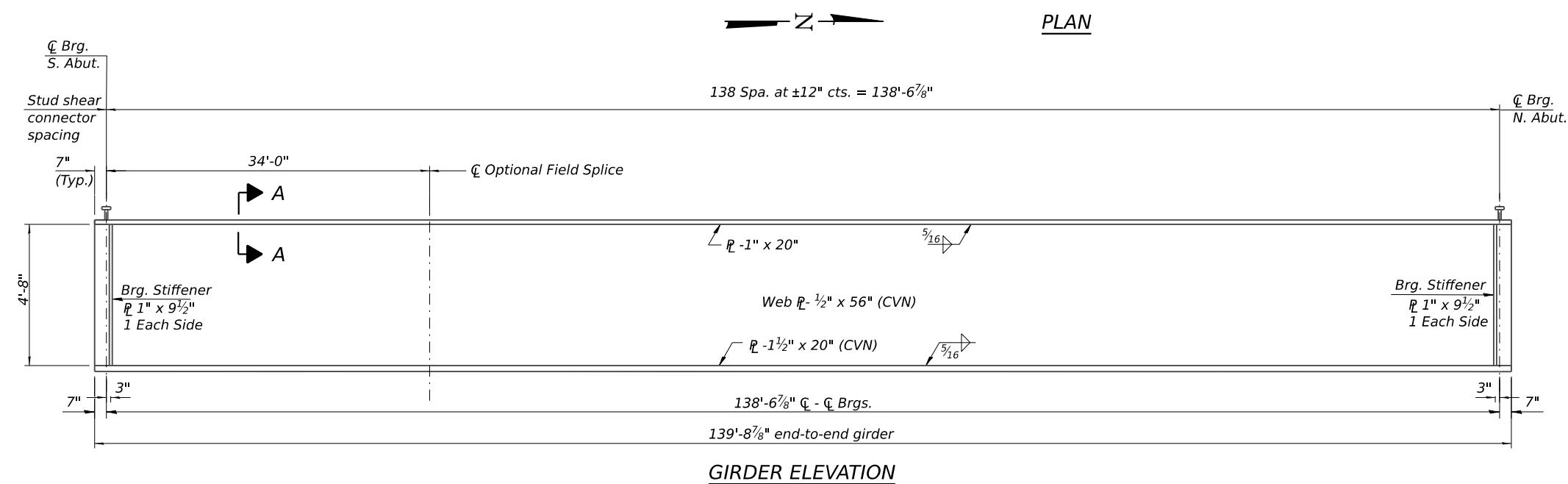
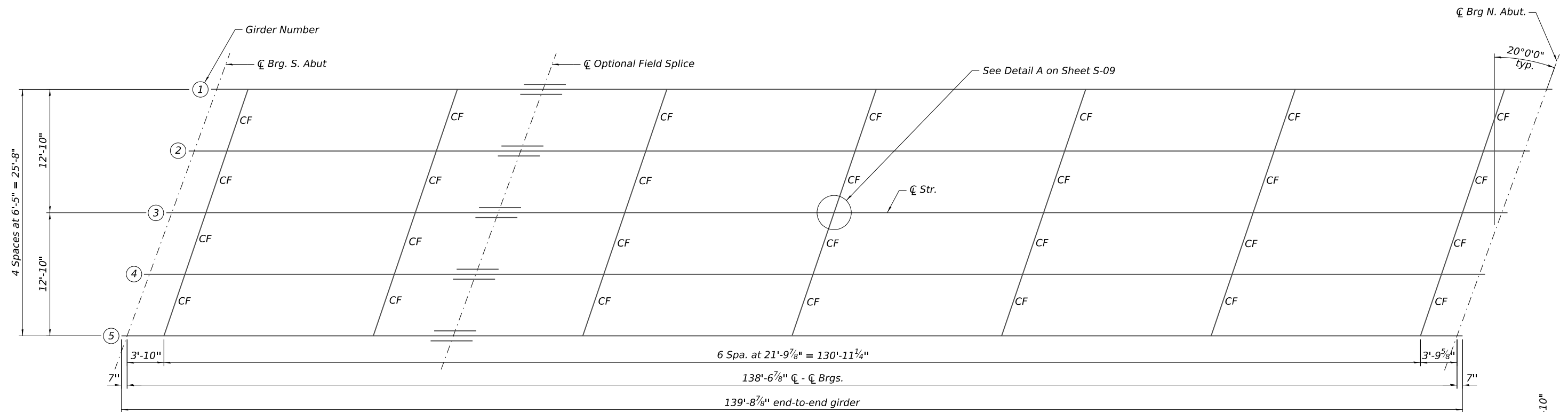
BILL OF MATERIAL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STEEL RAILING, TYPE SM
STRUCTURE NO. 029-3239

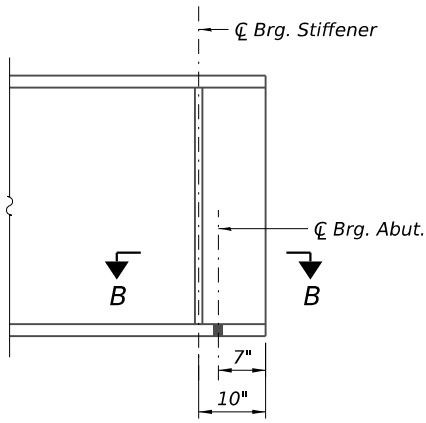
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	27
		CONTRACT NO. 89886		
ILLINOIS		FED. AID PROJECT		



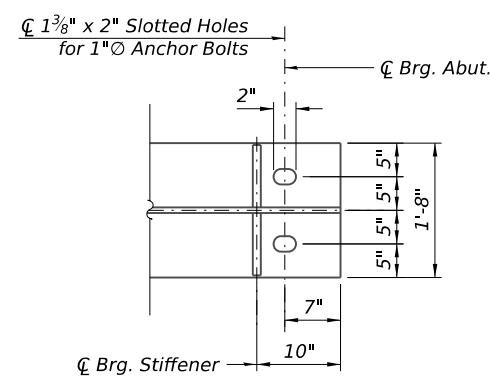
Location	☿ Brg. S. Abut.	☿ Optional Field Splice	☿ Brg. N. Abut.
GIRDER 1	502.60	502.97	502.48
GIRDER 2	502.69	503.08	502.65
GIRDER 3	502.78	503.19	502.82
GIRDER 4	502.61	503.04	502.73
GIRDER 5	502.44	502.89	502.64

- NOTES:

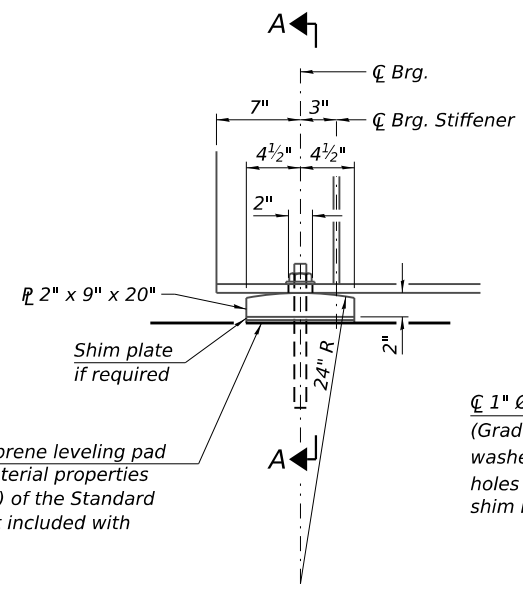
1. *Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.*
2. *All girders and splices, including bearing stiffeners and cross-frames shall be AASHTO M270, Grade 50W.*
3. *For additional structural steel details, see sheets S-09 & S-10 of S-16.*
4. *All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted.*



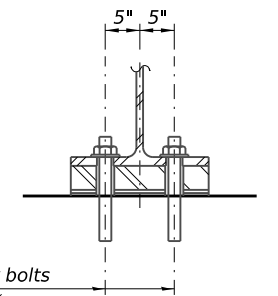
TYP. END OF GIRDER ELEVATION



SECTION B-B



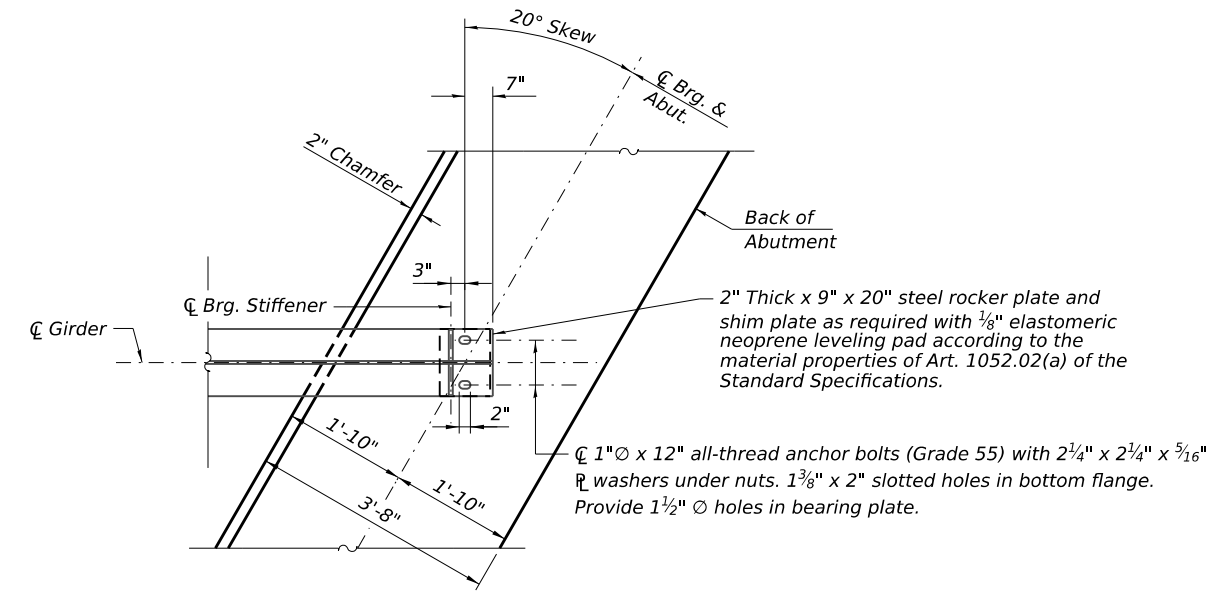
ELEVATION AT ABUTMENT



SECTION A-A

FIXED BEARING

(10 required)



PLAN AT ABUTMENT

(Showing bottom flange of steel beam at abutments)

NOTES:

1. Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
2. Anchor bolts shall be according to Article 521.06 of the Standard Specifications.
3. Girders shall be braced for stability during erection and remain braced until deck is poured and cured.
4. See sheet S-09 of S-16 for bearing stiffener dimensions and details.
5. Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
6. All steel plates of the bearing assembly shall be M270 Grade 50W.

BILL OF MATERIAL

Item	Unit	Quantity
Anchor Bolts, 1"	Each	20

MODEL: \$MODELNAME\$
FILE NAME: pwr/ciorba-pw.bentley.com/ciorba-pw-01/Documents/Projects/IL_Counties/Fulton/0022051.01/CADDData/SH/Structural/0022051.01-xx-10-BearingDetails.dgn



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USER NAME =	DESIGNED - LM	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

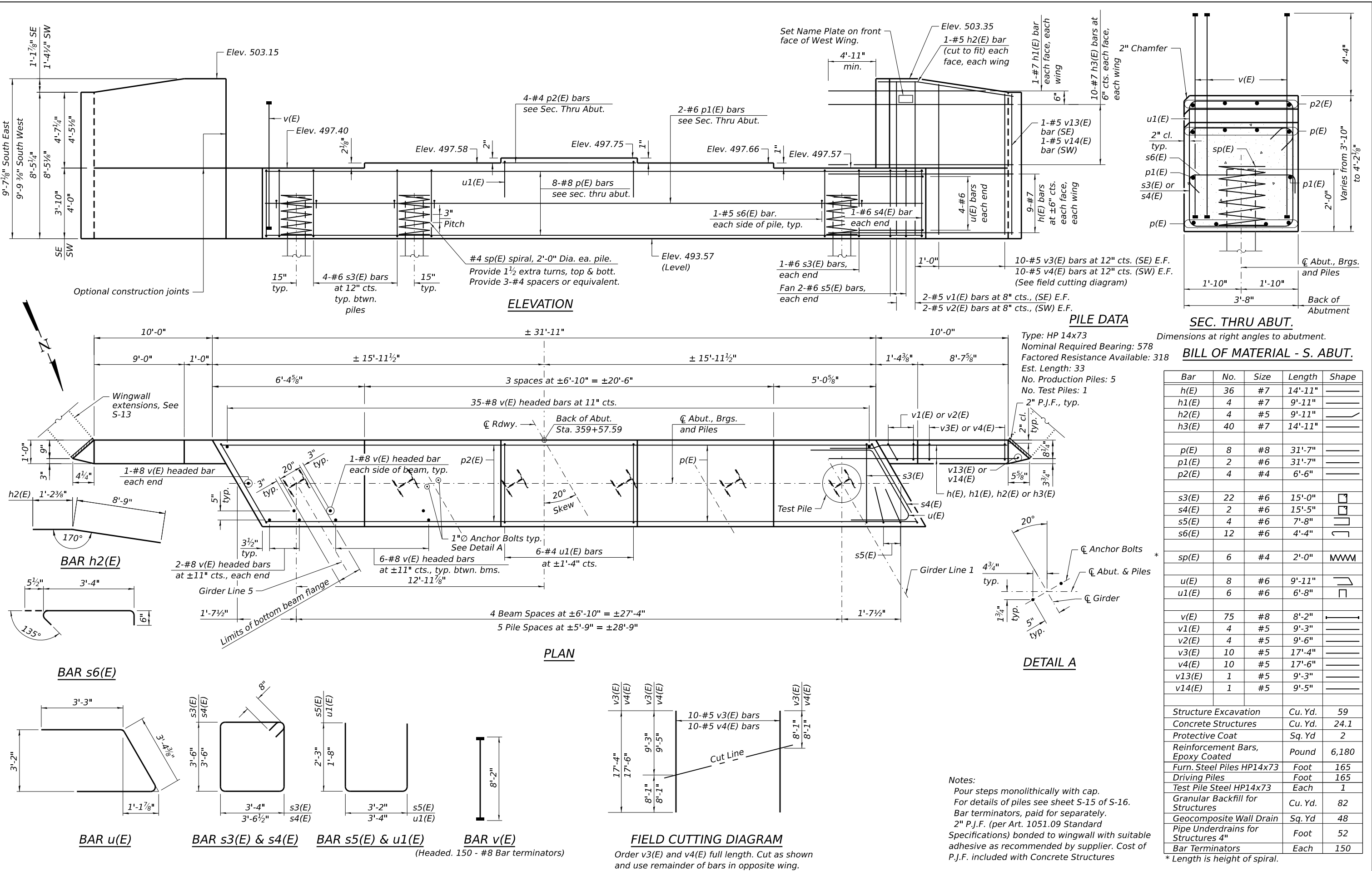
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 029-3239

SHEET 5-10 OF 5-16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	30
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

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USER NAME =	DESIGNED - LM	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

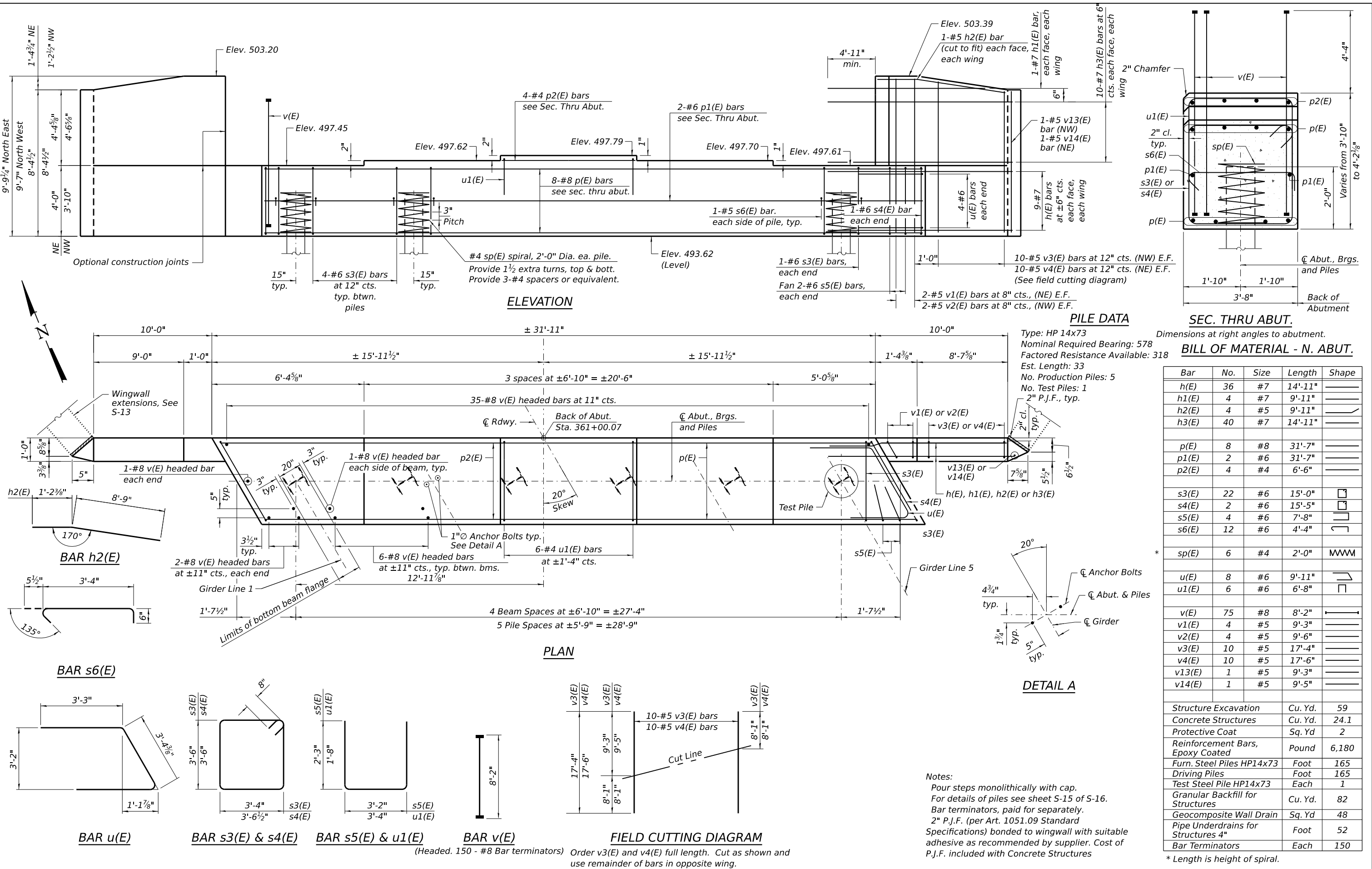
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
STRUCTURE NO. 029-3239

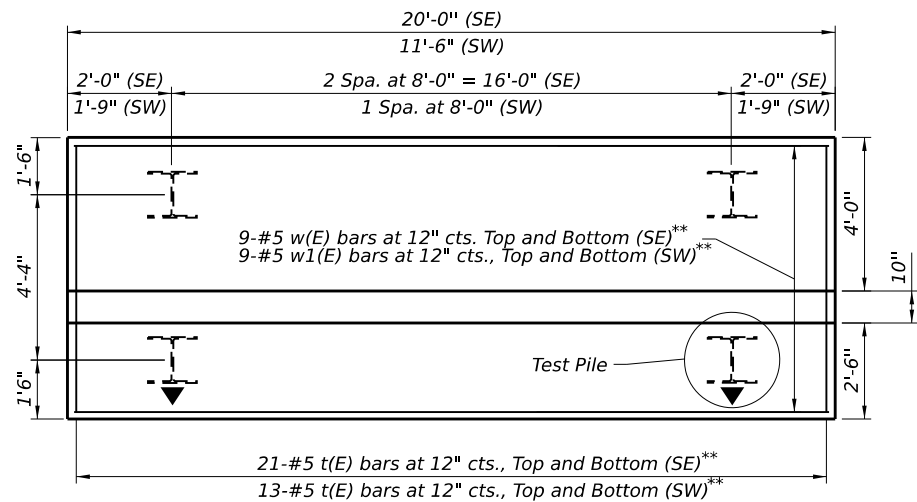
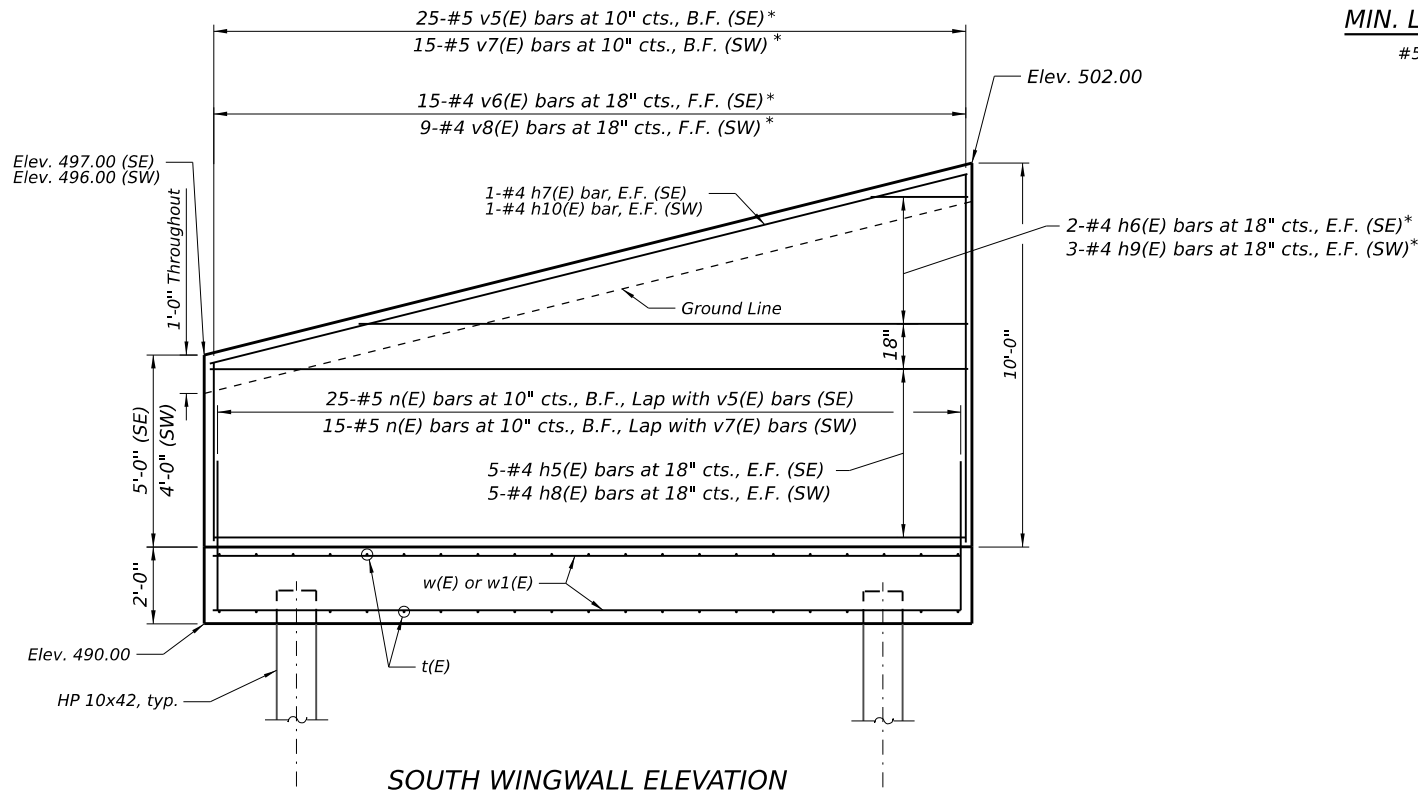
SHEET 5-11 OF 5-16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	31
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

MODEL: sMODELNAME\$
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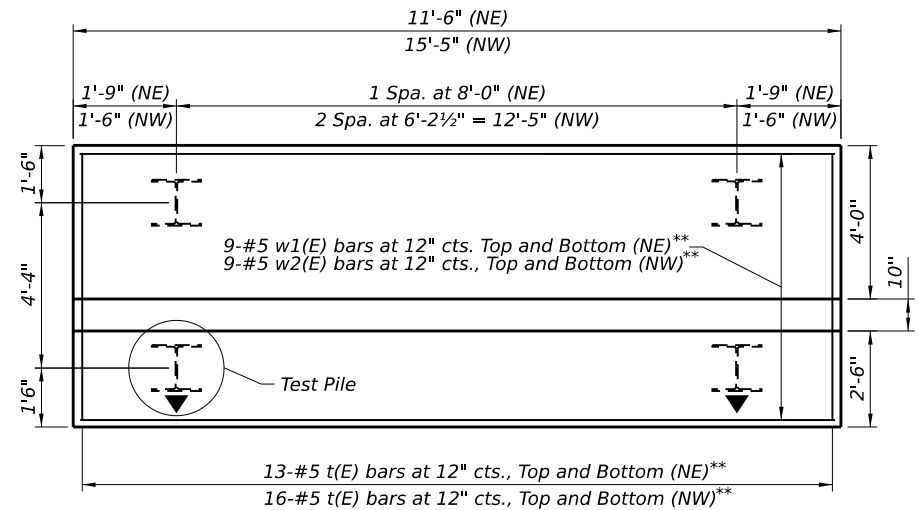
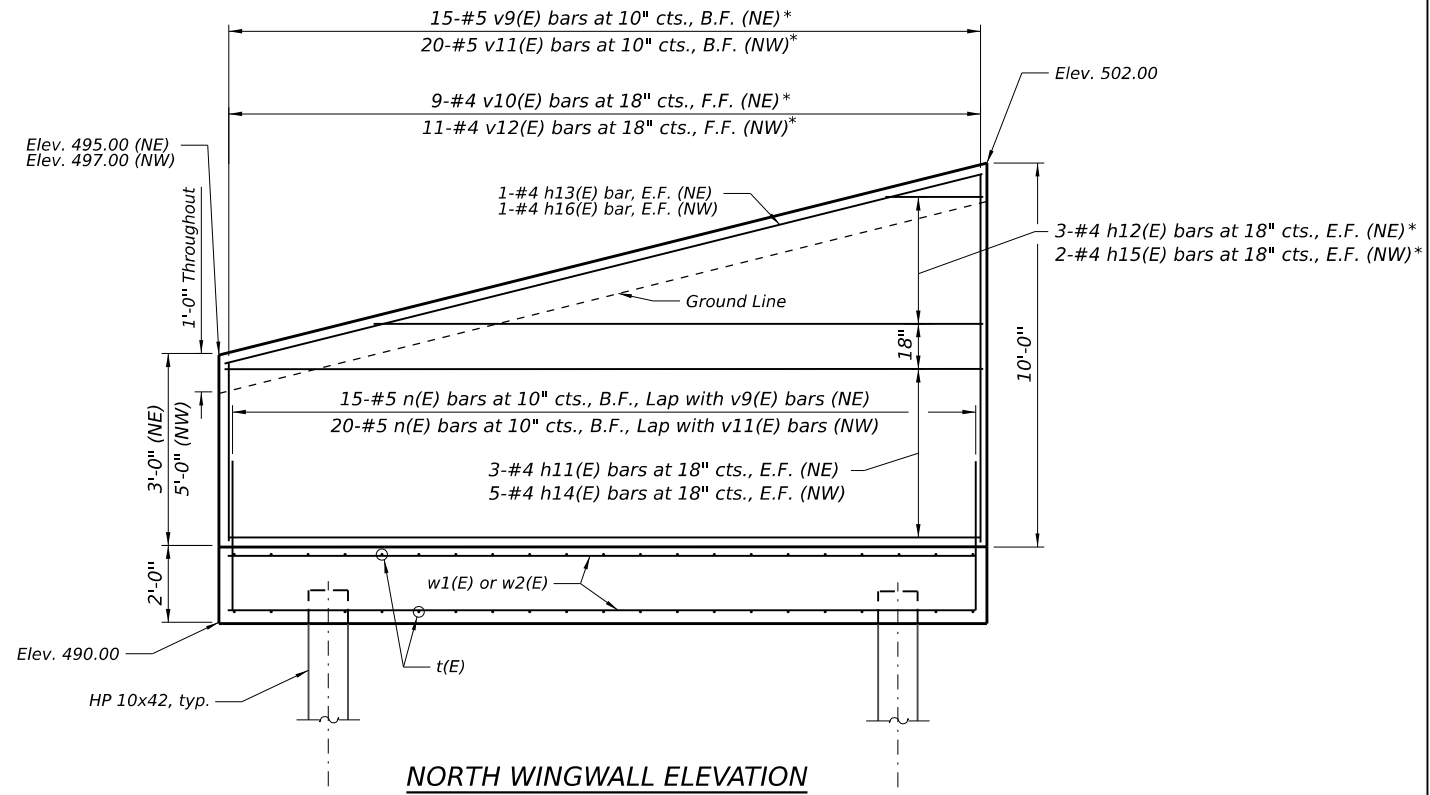
PILE DATA

Type: HP 10x42
Nominal Required Bearing: 335
Factored Resistance Available: 184
Est. Length: 33ft
No. Production Piles: 16
No. Test Piles: 4

SOUTHEAST

SOUTHWEST

MIN. LAP LENGTH
#5 bar= 2'-1"



NORTHEAST

NORTHWEST

* See Field Cutting Diagram on Sheet 14
**Space bottom bars to miss proposed piles



USER NAME =	DESIGNED - LM	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WINGWALL DETAILS
STRUCTURE NO. 029-3239**

SHEET 5-13 OF 5-16 SHEETS

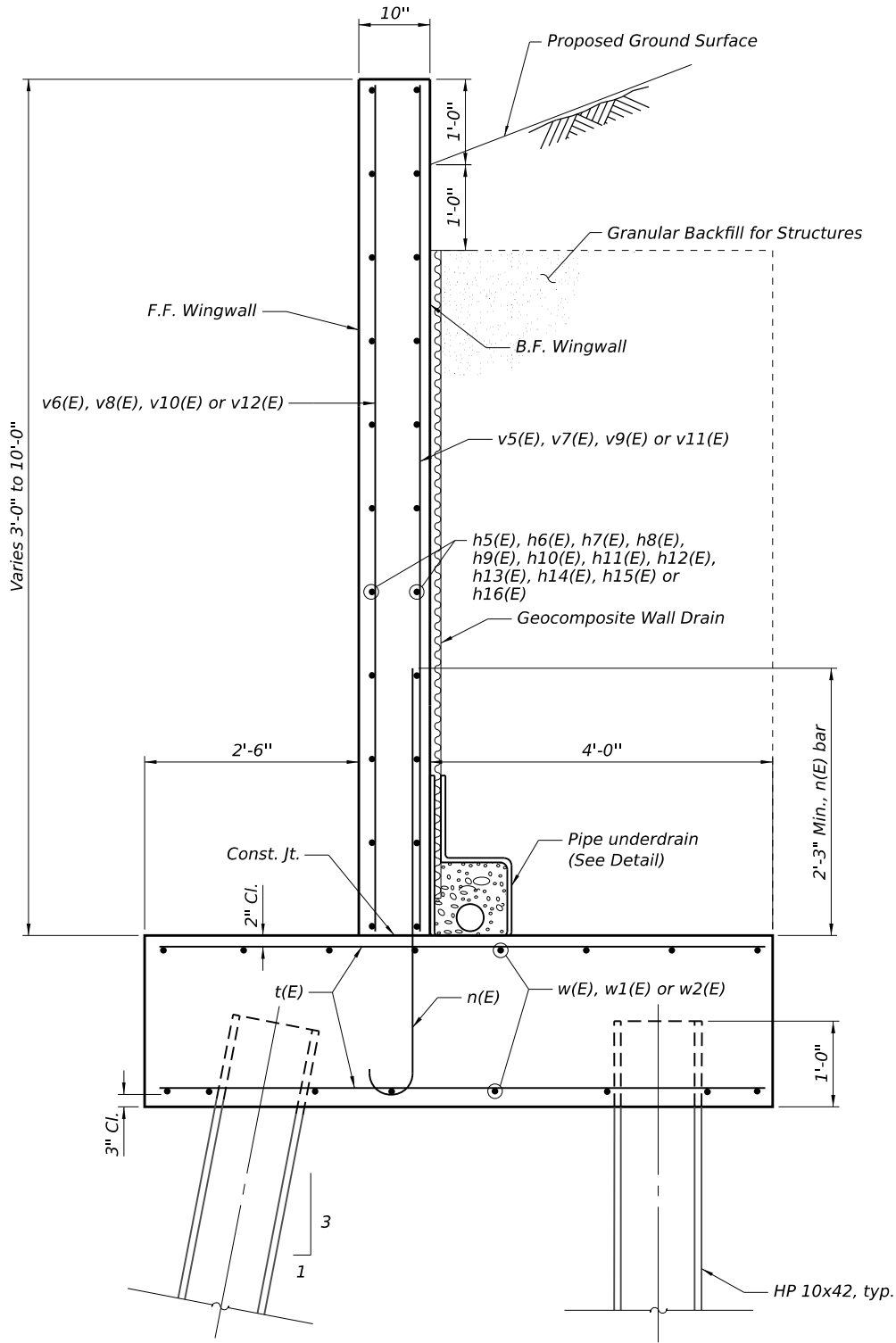
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	33
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL - SOUTH WINGWALLS

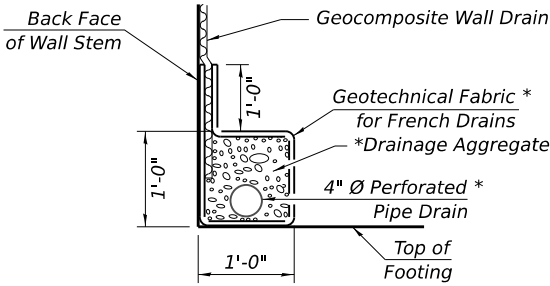
BILL OF MATERIAL - NORTH WINGWALLS

Bar	No.	Size	Length	Shape
h5(E)	10	#4	19'-8"	————
h6(E)	2	#4	21'-4"	————
h7(E)	2	#4	20'-2"	————
h8(E)	10	#4	11'-2"	————
h9(E)	3	#4	10'-8"	————
h10(E)	2	#4	12'-6"	————
n(E)	40	#5	4'-7"	┐————
t(E)	68	#5	7'-0"	————
v5(E)	13	#5	14'-4"	————
v6(E)	8	#4	14'-4"	————
v7(E)	8	#5	13'-4"	————
v8(E)	5	#4	13'-4"	————
w(E)	18	#5	19'-8"	————
w1(E)	18	#5	11'-2"	————
Structure Excavation			Cu. Yd.	39
Concrete Structures			Sq. Yd.	24.2
Protective Coat			Sq. Yd.	3
Reinforcement Bars, Epoxy Coated			Pound	2,000
Furn. Steel Piles HP10x42			Foot	264
Driving Piles			Foot	264
Test Pile Steel HP10x42			Each	2
Granular Backfill for Structures			Cu. Yd.	26
Geocomposite Wall Drain			Sq. Yd.	26
Pipe Underdrains for Structures 4"			Foot	36

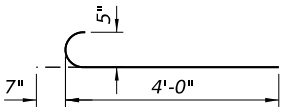
Bar	No.	Size	Length	Shape
h11(E)	6	#4	11'-2"	————
h12(E)	3	#4	12'-5"	————
h13(E)	2	#4	13'-0"	————
h14(E)	10	#4	15'-1"	————
h15(E)	2	#4	16'-3"	————
h16(E)	2	#4	15'-8"	————
n(E)	35	#5	4'-7"	┐————
t(E)	58	#5	7'-0"	————
v9(E)	8	#5	12'-4"	————
v10(E)	5	#4	12'-4"	————
v11(E)	20	#5	14'-4"	————
v12(E)	11	#4	14'-4"	————
w(E)	18	#5	11'-2"	————
w1(E)	18	#5	15'-1"	————
Structure Excavation			Cu. Yd.	11
Concrete Structures			Sq. Yd.	20.3
Protective Coat			Sq. Yd.	3
Reinforcement Bars, Epoxy Coated			Pound	1,870
Furn. Steel Piles HP10x42			Foot	264
Driving Piles			Foot	264
Test Pile Steel HP10x42			Each	2
Granular Backfill for Structures			Cu. Yd.	21
Geocomposite Wall Drain			Sq. Yd.	22
Pipe Underdrains for Structures 4"			Foot	31



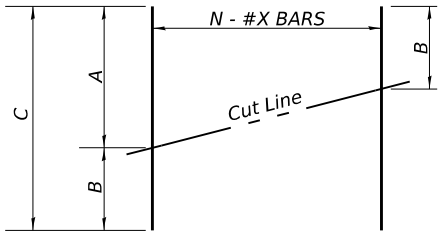
SECTION THRU WINGWALL



PIPE UNDERDRAIN DETAIL



BAR n(E)



FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face.

Bar	N	X	A	B	C
v5(E)	13	5	9'-8"	4'-8"	14'-4"
v6(E)	8	4	9'-8"	4'-8"	14'-4"
v7(E)	8	5	9'-8"	3'-8"	13'-4"
v8(E)	5	4	9'-8"	3'-8"	13'-4"
v9(E)	8	5	9'-8"	2'-8"	12'-4"
v10(E)	5	4	9'-8"	2'-8"	12'-4"
v11(E)	10	5	9'-8"	4'-8"	14'-4"
v12(E)	6	4	9'-8"	4'-8"	14'-4"
h6(E)	2	4	13'-8"	7'-8"	21'-4"
h9(E)	3	4	8'-2"	2'-6"	10'-8"
h12(E)	3	4	8'-8"	3'-9"	12'-5"
h15(E)	2	4	10'-5"	5'-10"	16'-3"

MODEL: sMODELNAME\$
FILE NAME: pwr/ciorba-pw-bentley.com:ctiorba-pw-01/Documents/Projects/IL_Counties/Fulton/0022051.01/CADDData/SH/Structural/0022051.01-xx-14-WingwallDetails.dgn



USER NAME =	DESIGNED - LM	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

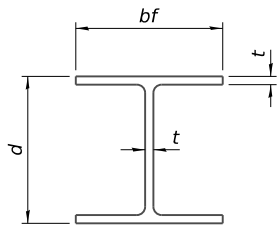
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL DETAILS
STRUCTURE NO. 029-3239

SHEET 5-14 OF 5-16 SHEETS

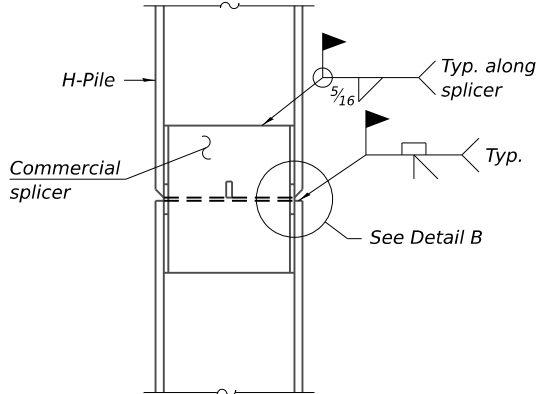
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	34
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				

MODEL: sMODELNAME\$
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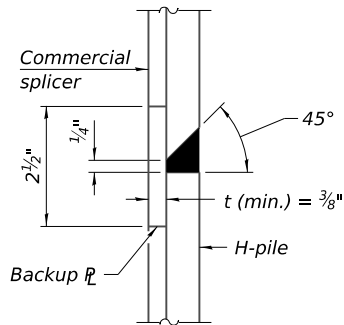


STEEL PILE TABLE

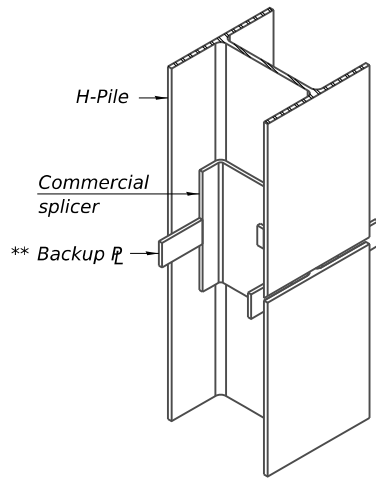
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17 ³ / ₄ "	17 ⁷ / ₈ "	⁷ / ₈ "	36"
x135	17 ¹ / ₂ "	17 ³ / ₄ "	³ / ₄ "	36"
HP 16x183	16 ¹ / ₂ "	16 ¹ / ₂ "	1 ¹ / ₈ "	36"
x162	16 ¹ / ₄ "	16 ¹ / ₈ "	1"	36"
x141	16	16	⁷ / ₈ "	36"
x121	15 ³ / ₄ "	15 ⁵ / ₈ "	³ / ₄ "	36"
HP 14x117	14 ¹ / ₄ "	14 ⁷ / ₈ "	¹³ / ₁₆ "	30"
x102	14"	14 ³ / ₄ "	¹¹ / ₁₆ "	30"
x89	13 ⁷ / ₈ "	14 ³ / ₄ "	⁵ / ₈ "	30"
x73	13 ⁵ / ₈ "	14 ⁵ / ₈ "	¹ / ₂ "	30"
HP 12x84	12 ¹ / ₄ "	12 ¹ / ₄ "	¹¹ / ₁₆ "	24"
x74	12 ¹ / ₈ "	12 ¹ / ₄ "	⁵ / ₈ "	24"
x63	12"	12 ¹ / ₈ "	¹ / ₂ "	24"
x53	11 ³ / ₄ "	12"	⁷ / ₁₆ "	24"
HP 10x57	10"	10 ¹ / ₄ "	⁹ / ₁₆ "	24"
x42	9 ³ / ₄ "	10 ¹ / ₈ "	⁷ / ₁₆ "	24"
HP 8x36	8"	8 ¹ / ₈ "	⁷ / ₁₆ "	18"



ELEVATION

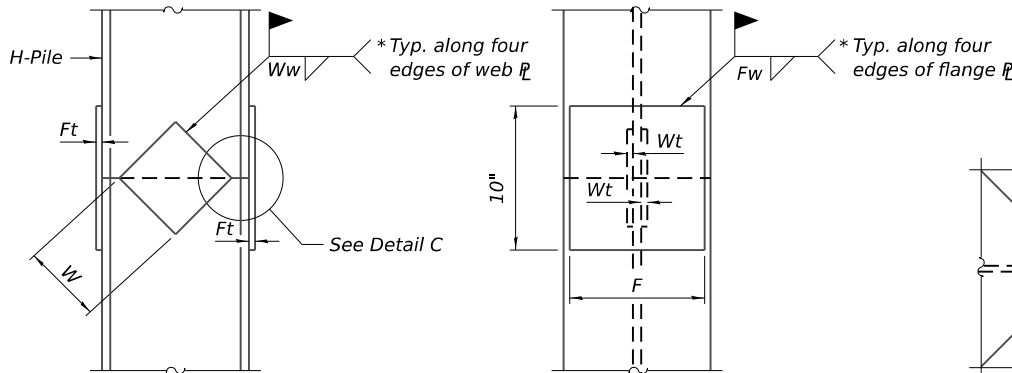


DETAIL B



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



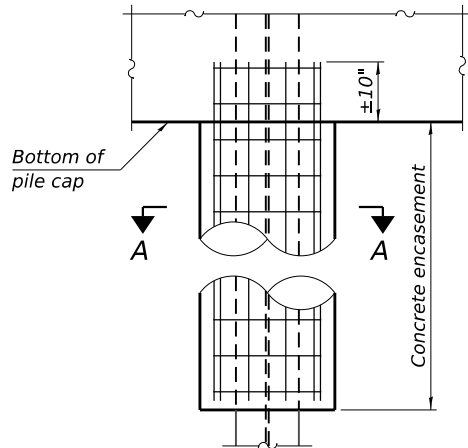
ELEVATION

END VIEW

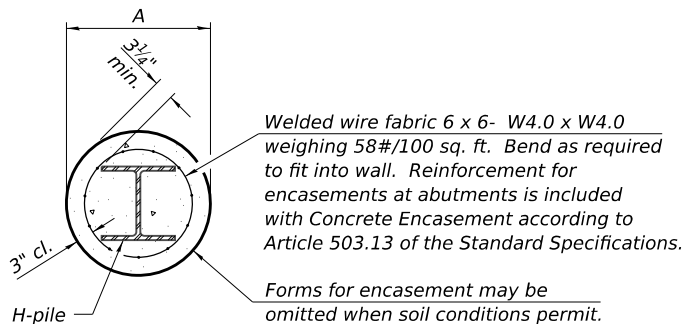
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15 ¹ / ₂ "	1 ¹ / ₂ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
x157	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
x135	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	⁷ / ₈ "	³ / ₄ "
HP 16x183	13 ³ / ₄ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	⁷ / ₈ "	³ / ₄ "
x162	13 ¹ / ₂ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
x141	13 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
x121	13 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	8 ¹ / ₄ "	³ / ₄ "	⁵ / ₈ "
HP 14x117	12 ¹ / ₂ "	1 ¹ / ₄ "	⁷ / ₈ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x102	12 ¹ / ₂ "	1"	³ / ₄ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x89	12 ¹ / ₂ "	⁷ / ₈ "	¹¹ / ₁₆ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
x73	12 ¹ / ₂ "	³ / ₄ "	⁹ / ₁₆ "	7 ³ / ₄ "	⁵ / ₈ "	¹ / ₂ "
HP 12x84	10"	1"	¹¹ / ₁₆ "	6 ¹ / ₂ "	⁵ / ₈ "	¹ / ₂ "
x74	10"	⁷ / ₈ "	¹¹ / ₁₆ "	6 ¹ / ₂ "	⁵ / ₈ "	¹ / ₂ "
x63	10"	³ / ₄ "	¹ / ₂ "	6 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "
x53	10"	³ / ₄ "	¹ / ₂ "	6 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "
HP 10x57	8"	⁷ / ₈ "	⁹ / ₁₆ "	5 ¹ / ₄ "	¹ / ₂ "	³ / ₈ "
x42	8"	³ / ₄ "	⁹ / ₁₆ "	5 ¹ / ₄ "	¹ / ₂ "	³ / ₈ "
HP 8x36	6 ³ / ₄ "	⁵ / ₈ "	⁷ / ₁₆ "	4"	¹ / ₂ "	³ / ₈ "

WELDED PLATE FIELD SPLICE



ELEVATION



SECTION A-A

INDIVIDUAL PILE
CONCRETE ENCASEMENT
(when specified)

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

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds ¹/₄" from end of web and/or each flange.
- ** Remove portions of backup plate's that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (⁵/₁₆" min.).

F-HP

4-4-2025



USER NAME =	DESIGNED - LM	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - LM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 029-3239

SHEET 5-15 OF 5-16 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	35
CONTRACT NO. 89886				
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE CH 38 DESCRIPTION US 38 over Shaw Creek LOGGED BY KEG

SECTION 288 MFT LOCATION Latitude: 40.495405, Longitude: -90.340661

COUNTY Fulton DRILLING METHOD HSA & MUD ROTARY @ 8.5" HAMMER TYPE AUTO

STRUCT. NO. 029-3039
Station 360+28.7
BORING NO. SB-01
Station 360+28.7
Offset
Ground Surface Elev. 495.00 ft

D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	D E P T H	B L O W S	U C S Qu	M O I S T
(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)

SILTY CLAY - Gray, Medium Stiff, w/ small pebbles	13			SILTY CLAY TILL - Gray and Blue, Medium Stiff, w/ coal (continued)	474.0	2		
	11	>4.5	11	SILTY CLAY - Gray and Black, Soft to Medium Stiff		5	1.5	21
	14	P				6	B	
becomes light brown, w/o pebbles	5					3		
	5	3.1	17			2	1.5	23
	7	B				4	B	
	6			w/ some sand		3		
	5	2.4	17			2	0.5	33
	5	B				5	B	
becomes tan and gray	4					2		
	7	3.0	19			3	1.1	38
	7	S				2	B	
	3							
SILT - Dark Gray, Medium Stiff LL (%) = 36, PL (%) = 19, PI (%) = 17	4	2.1	26					
	5	S						
	3			SANDSTONE - w/ gravel fragments	461.5	50/4"		11
SILTY CLAY - Dark Gray, Soft to Medium Stiff	5	1.6	24			-	-	
	6	B				-		
	3			Borehole continued with rock coring.	459.0			
	4	2.1	22					
	5	B						
	3							
SILTY CLAY TILL - Gray and Blue, Medium Stiff, w/ coal	3							
	3	1.4	23					
	6	B						

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, form 137 (Rev. 8-99)

BORING 1



SOIL BORING LOG

ROUTE CH 38 DESCRIPTION US 38 over Shaw Creek LOGGED BY KEG

SECTION 288 MFT LOCATION Latitude: 40.495007, Longitude: -90.340722

COUNTY Fulton DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 029-3039
Station 360+28.7
BORING NO. SB-02
Station 360+28.7
Offset
Ground Surface Elev. 492.00 ft

D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. ft	D E P T H	B L O W S	U C S Qu	M O I S T
(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)

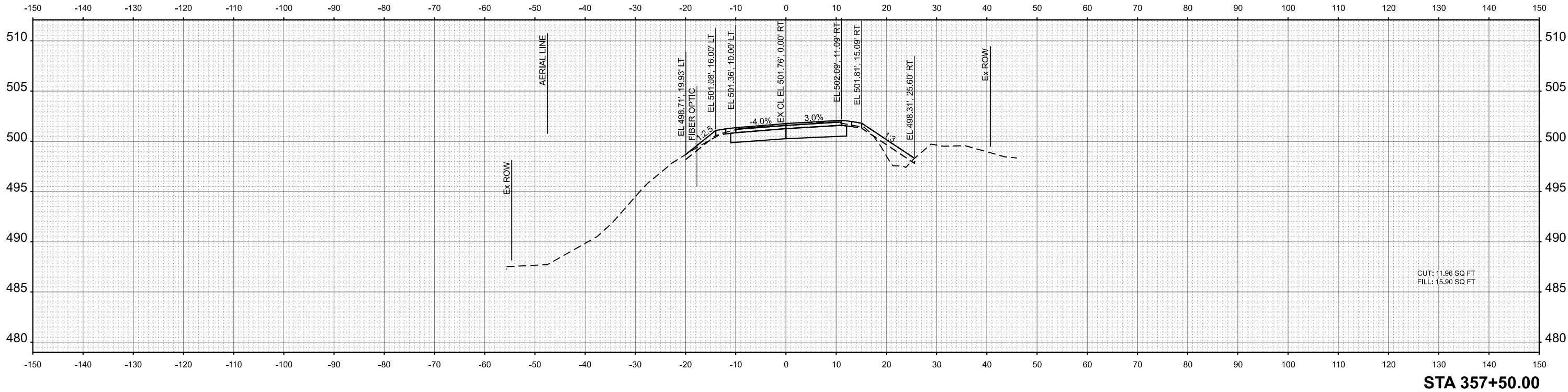
SILTY CLAY - Brown, Medium Stiff LL (%) = 38, PL (%) = 14, PI (%) = 24	3			SILTY CLAY - Brown, Soft to Medium Stiff (continued)	471.0			
	4	1.5	19	SILTY LOAM - Gray, Soft		WH	0.2	30
	4	P				WH	B	
	3					WH		
	3	3.7	14			2	0.5	28
	3	B				1	B	
	3							
	3			SILTY CLAY - Gray, Soft to Medium Stiff	466.0	WH		
	3	1.4	17			4	1.1	35
	3	B				4	B	
becomes dark brown	3					WH		
	4	1.5	19			3	0.7	22
	5	B				2	B	
	2							
SILT - Brown, Medium Stiff	2			SANDSTONE Fragments	461.0	50/2"		
	2	1.3	24			-	-	
	2	S		End of Boring	460.8			
	2							
SILTY CLAY - Brown, Soft to Medium Stiff	2							
	2	0.8	22					
	5	B						
becomes gray, medium stiff	2							
	4	1.5	23					
	4	B						
w/ some sand and gravel	3							
	4	0.9	21					
	5	B						

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, form 137 (Rev. 8-99)

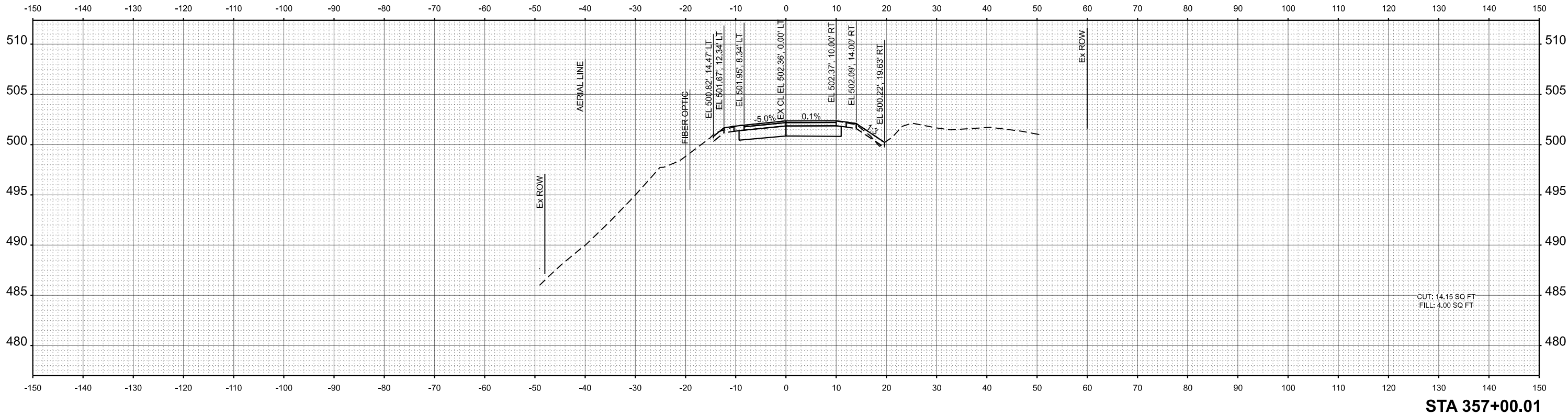
BORING 2

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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	REVIEWED		
	REVISIONS		
NOTE BOOK NO.		CADD FILE NAME	



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	REVIEWED		
	REVISIONS		
NOTE BOOK NO.		STRUCTURE NOTATION CHRG	



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	DRAWN - AMS	REVISED -
PLOT SCALE = 0.16666667' / in.	CHECKED - NDF	REVISED -
PLOT DATE = 7/29/2026	DATE - 8/7/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT
CROSS SECTIONS

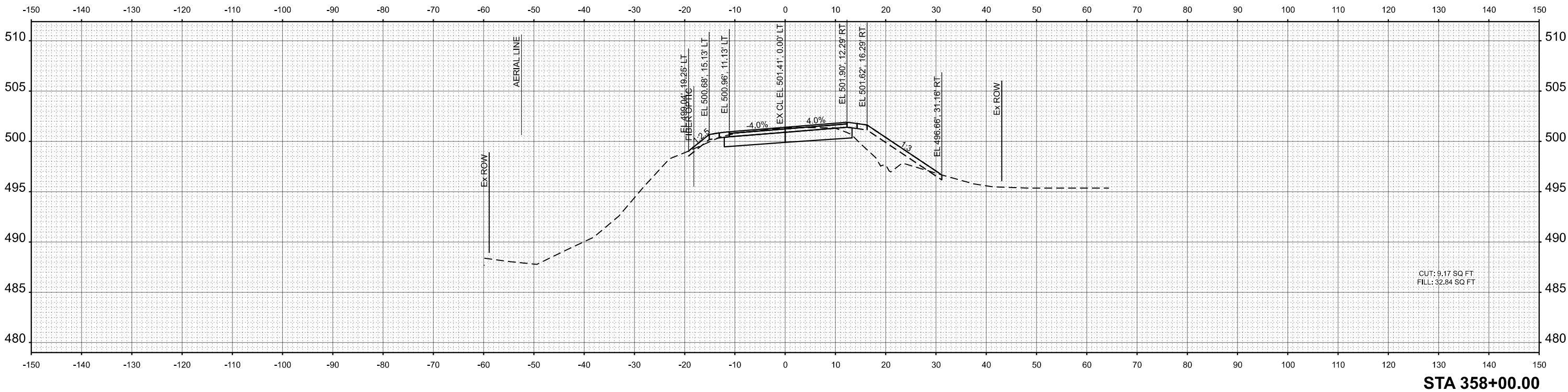
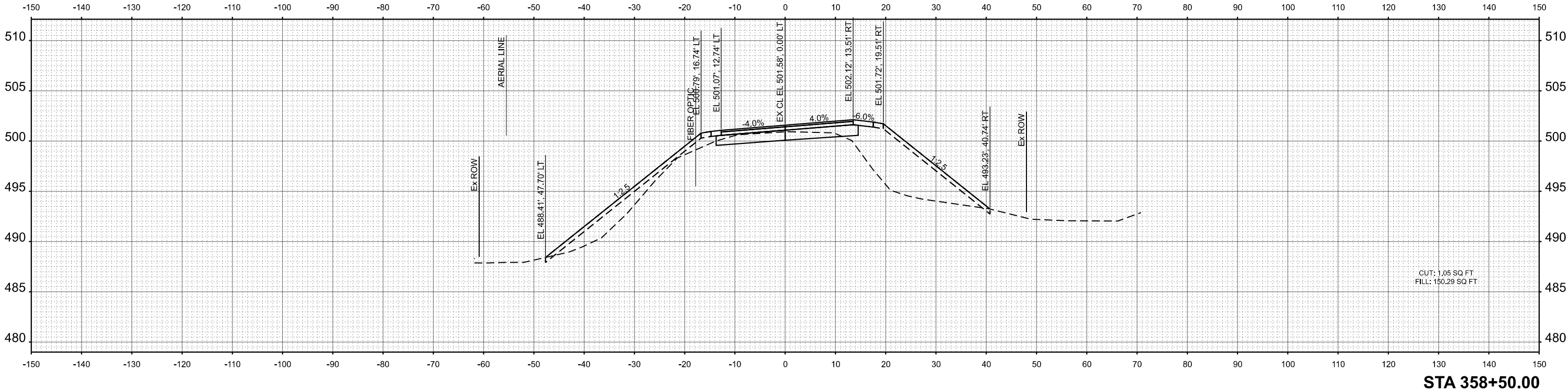
SCALE: 1"=10' SHEET 1 OF 7 SHEETS STA. 357+00.01 TO STA. 357+50.00

CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	37
CONTRACT NO. 89886				
ILLINOIS		FED. AID PROJECT		

PLAN		SURVEYED		BY		DATE	
NOTE BOOK NO.		PLOTTED					
CADD FILE NAME		CHECKED					
		RT OF WAY CHECKED					

PROFILE		SURVEYED		BY		DATE	
NOTE BOOK NO.		PLOTTED					
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		S.A. NOTED					

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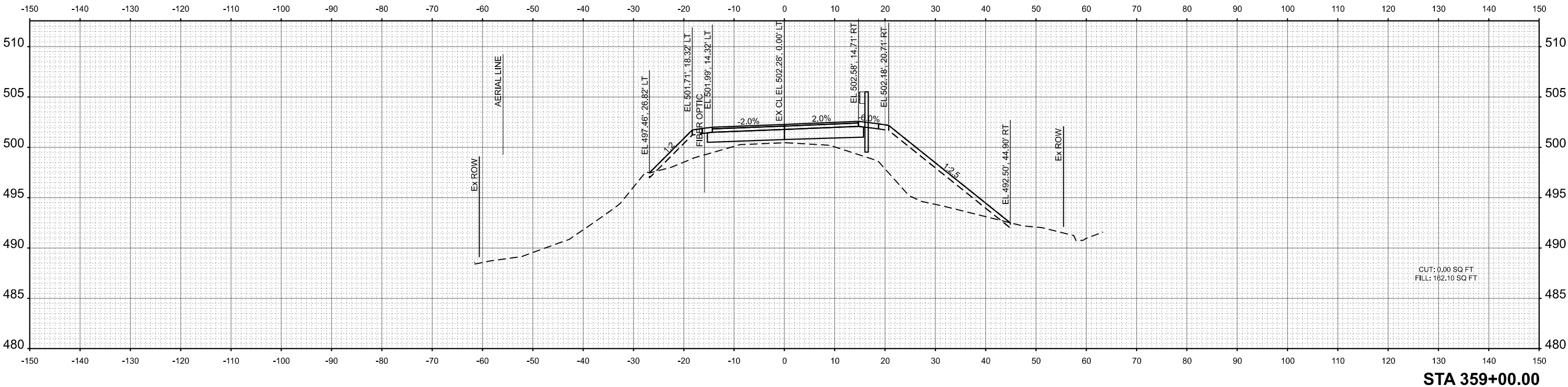
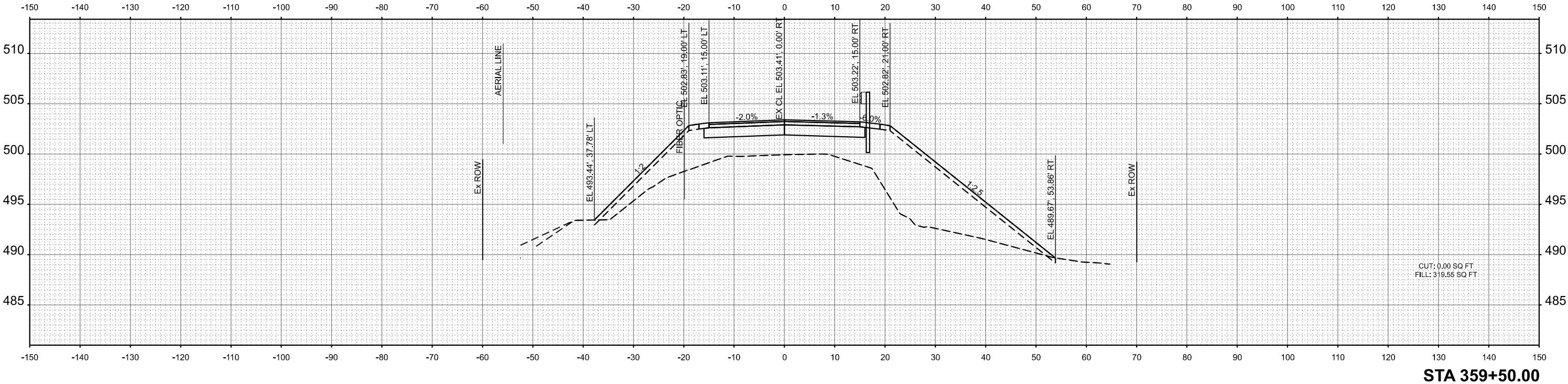


 CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = askoniccki		DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT CROSS SECTIONS				CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 7/29/2026		DATE - 8/7/2026	REVISED -										
						SCALE: 1"=10'	SHEET 2 OF 7 SHEETS	STA. 358+00.00 TO STA. 358+50.00	ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
NO.	CADD FILE NAME		

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NO.	CADD FILE NAME		

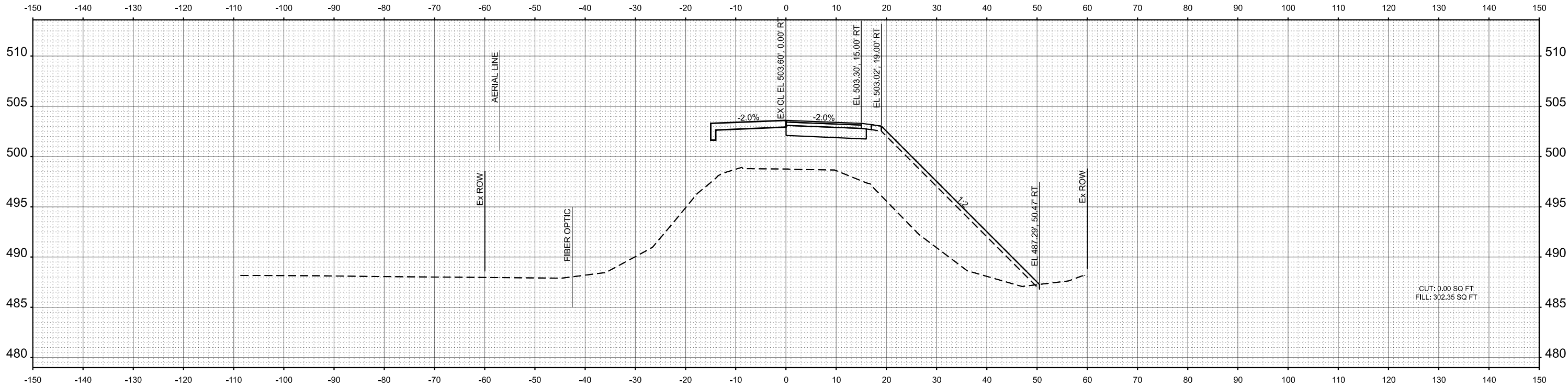
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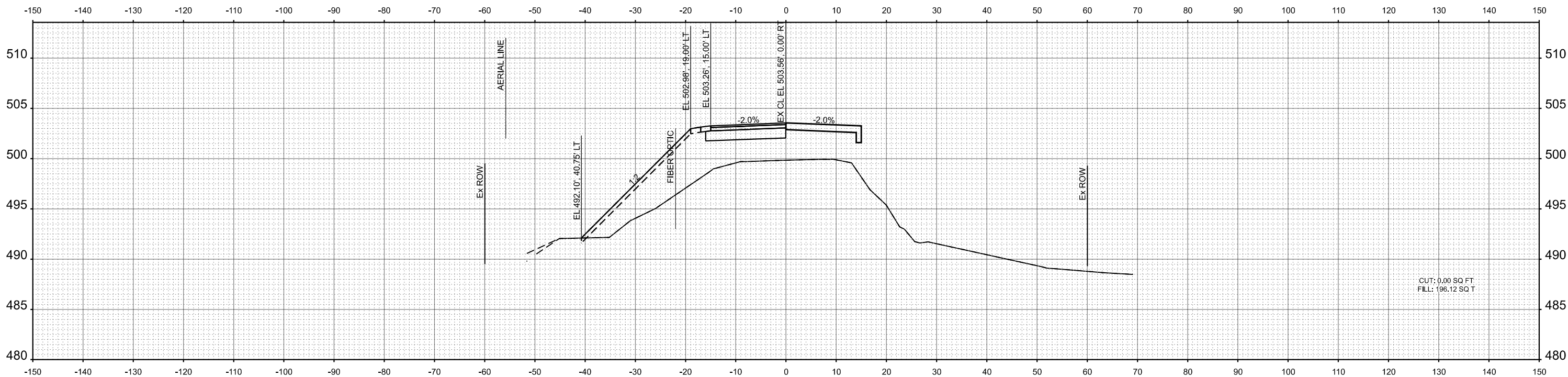
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	NO.		

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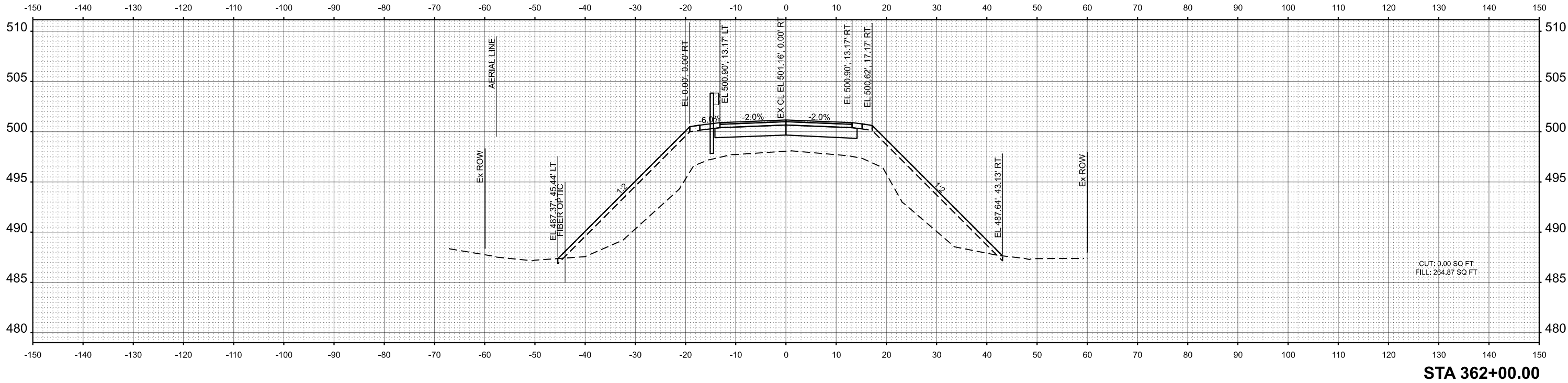


STA 361+00.07

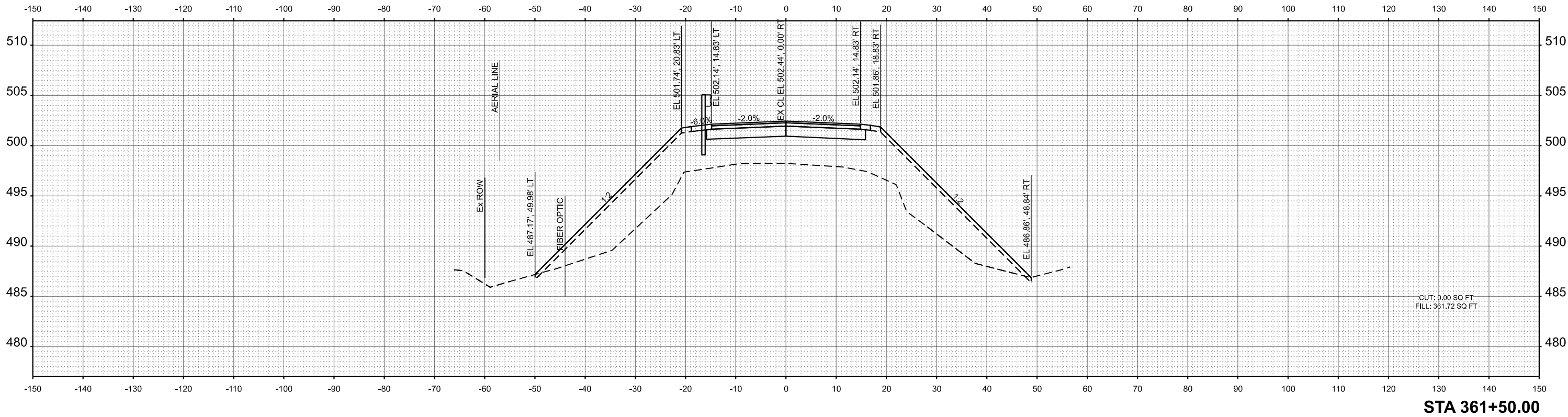


STA 359+57.59

PLAN		SURVEYED		BY		DATE	
NOTED		PLOTTED					
NO.		REVIEWED					
		DATE					
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PROFILE		SURVEYED		BY		DATE	
NOTED		PLOTTED					
NO.		REVIEWED					
		DATE					
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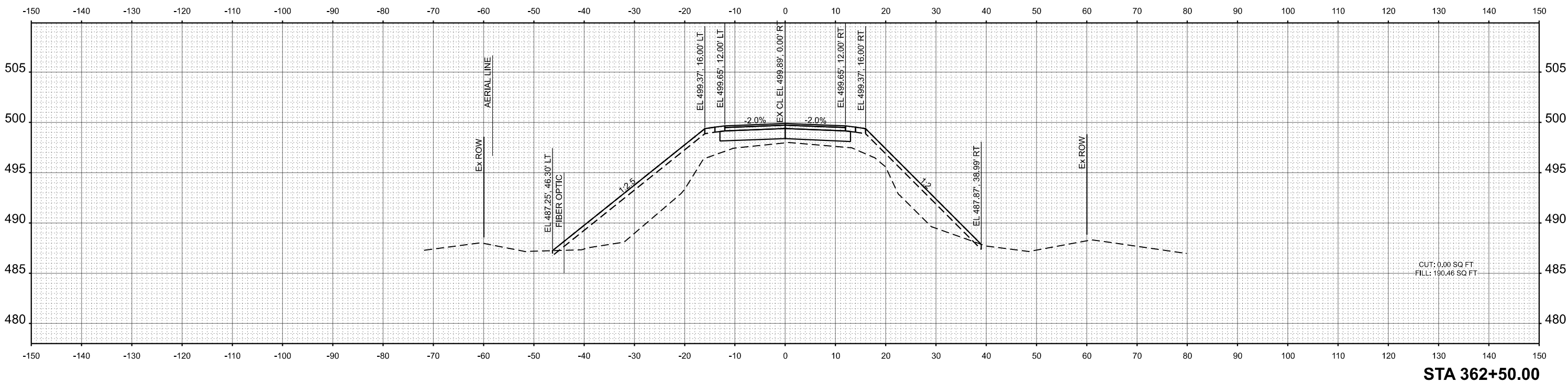
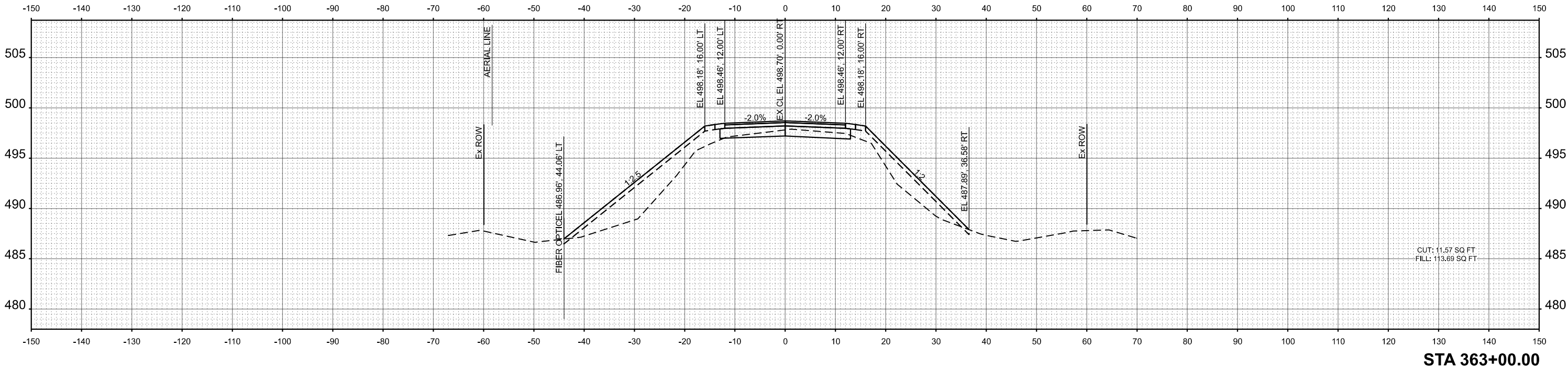
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CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = askoniccki		DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT CROSS SECTIONS				CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - AMS		CHECKED - NDF	REVISED -		38	20-00038-00-BR	FULTON	43	41				
	PLOT SCALE = 0.16666633" / In.		DATE = 8/7/2026	REVISED -		CONTRACT NO. 89886								
	PLOT DATE = 7/29/2026					ILLINOIS FED. AID PROJECT								
						SCALE: 1"=10' SHEET 5 OF 7 SHEETS STA. 361+50.00 TO STA. 362+00.00								

PLAN		SURVEYED		BY	DATE
NOTE BOOK NO.	CADD FILE NAME	PLOTTED	CHECKED		
		BY	BY		
		DATE	DATE		

PROFILE		SURVEYED		BY	DATE
NOTE BOOK NO.	STRUCTURE NOTATION	PLOTTED	CHECKED		
		BY	BY		
		DATE	DATE		

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 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = askoniccki		DESIGNED - TBH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CH 38 OVER SHAW CREEK BRIDGE REPLACEMENT CROSS SECTIONS				CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - AMS		CHECKED - NDF	REVISED -		38	20-00038-00-BR	FULTON	43	42				
	PLOT SCALE = 0.16666667" / in.		DATE - 8/7/2026	REVISED -		CONTRACT NO. 89886								
	PLOT DATE = 7/29/2026					ILLINOIS FED. AID PROJECT								
						SCALE: 1"=10' SHEET 6 OF 7 SHEETS STA. 362+50.00 TO STA. 363+00.00								

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B.M. NOTED			
STRUCTURE NOTATIONS CHK'D			
NO. _____			

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	SHEET 7 OF 7 SHEETS	STA. 363+50.00	TO STA. 363+99.99
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CH RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
38	20-00038-00-BR	FULTON	43	43
		CONTRACT NO. 89886		
ILLINOIS		FED. AID PROJECT		