04-24-2026 LETTING ITEM 074

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	1
	ILLINOIS	CONTRACT NO. 66N58		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

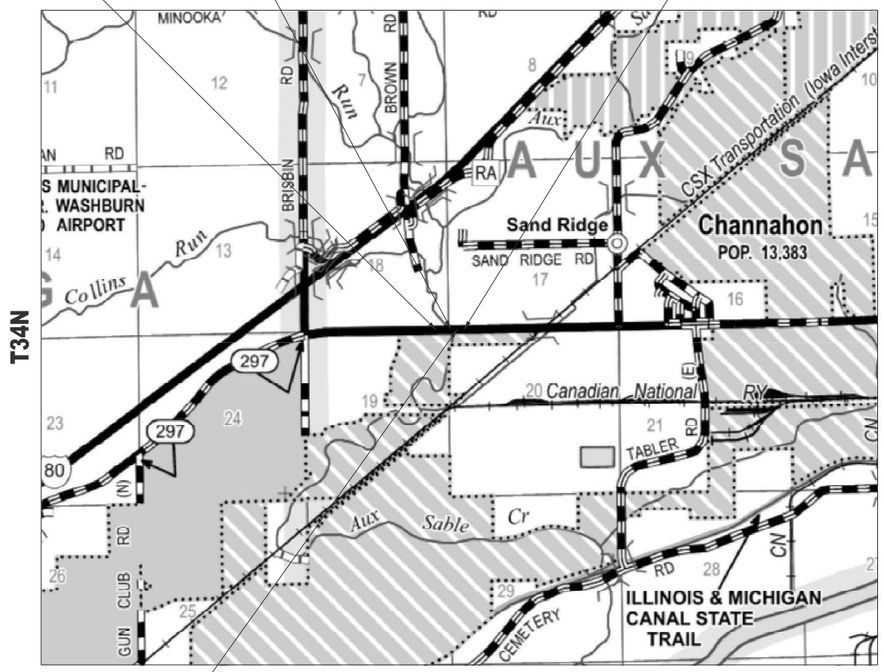
FAU ROUTE 392 (US 6)
SECTION (G-BR)BR-1
STRUCTURE REHABILITATION
GRUNDY COUNTY

C-93-137-25

STRUCTURE REHABILITATION
(OVER AUX SABLE CREEK)
STA. 250+74.25
S.N. 032-0025

BEGIN IMPROVEMENT (US 6)
STA 246+50

END IMPROVEMENT (US 6)
STA 256+00



N

LOCATION MAP
NOT TO SCALE

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

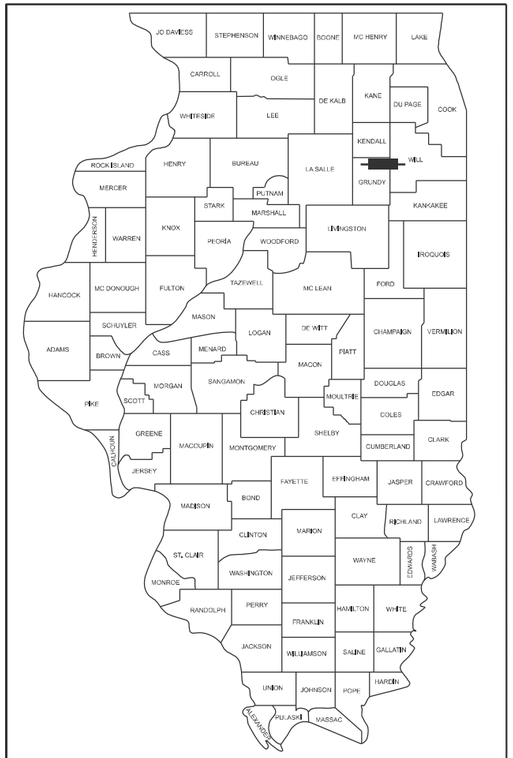
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JOSEPH KANNEL, PE
SQUAD LEADER: MOHAMED YOUSIF
TOWNSHIP(S): AUX SABLE TOWNSHIP
CONTRACT NO. 66N58

STATION EQUATION
253+87.63 BK =
253+87.11 AH

GROSS LENGTH = 950.00 FT. = 0.180 MILE
NET LENGTH = 950.00 FT. = 0.180 MILE

D-93-100-25



LOCATION OF SECTION INDICATED THUS: -

TRAFFIC DATA - US 6

MINOR ARTERIAL; 2025 ADT = 7550
P.V. = 85.5% S.U. = 6.6% M.U. = 7.9%

LICENSED PROFESSIONAL ENGINEER
ROBERT BRZEZON
062.066618
STATE OF ILLINOIS

Signed: Robert Brzezon
Date: 2/4/2026
License Expires: 11/30/2027
The seal shown above is valid for Sheets 1-24 and 45-56.

LICENSED STRUCTURAL ENGINEER
ALEX C BENZ
081-007814
STATE OF ILLINOIS

Signed: Alex C. Benz
Date: 2/4/2026
License Expires: 11/30/2026
The seal shown above is valid for Sheets 25-44.

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Civil Engineering Design

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: February 4 20 26
Trisha Thompson
REGIONAL ENGINEER

March 20 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS
515001-04	NAME PLATE FOR BRIDGES
630001-13	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

1. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

2. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

3. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

4. ADDITIONAL CONSTRUCTION PROJECTS MAY BE UNDER CONTRACT WITHIN OR NEAR THE LIMITS OF THIS PROJECT WHEN IT IS IN FORCE. THE CONTRACTOR FOR THIS PROJECT SHALL COOPERATE WITH THE CONTRACTORS ON THE OTHER PROJECTS ACCORDING TO ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS. CONTRACTS ANTICIPATED TO BE IN THE VICINITY OF THIS CONTRACT ARE:
   IDOT CONTRACT 66C06 (IL 47 IN MORRIS TO 0.1 MI E OF NIGAS ROAD IN CHANAHON).

5. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

6. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION

7. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
   AT&T
   COMED
   COMCAST
   NICOR

COMMITMENT

1. THE CONTRACTOR SHALL CONTACT MR. EVAN KILBURN AT EKILBURN@USGS.GOV OR (217) 480-7061 A MINIMUM OF ONE (1) MONTH PRIOR TO THE START OF CONSTRUCTION TO COORDINATE THE RELOCATION OF THE USGS WATER GAUGE.

HMA MIXTURE REQUIREMENT TABLE

LOCATIONS:	US 6 HMA RESURFACING		US 6 HMA SHOULDERS		US 6 FULL LANE SEALANT WATER PROOFING SYSTEM	US 6 TEMPORARY PAVEMENT	
MIXTURE USE(S):	HMA SURFACE COURSE	HMA BINDER LFT(S)	HMA SURFACE COURSE	HMA BINDER LIFT(S)	HMA SURFACE COURSE	HMA SURFACE COURSE	HMA BINDER LIFT(S)
BINDER GRADE (PG):	SBS PG 70-28	PG 64-22	PG 64-22	PG 64-22	SBS PG 70-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5 FG	IL-19.0	IL-9.5 FG	IL-19.0	IL-9.5 FG	IL-9.5	IL-19.0
FRICTION AGGREGATE:	MIXTURE D	N/A	MIXTURE D	N/A	MIXTURE D	MIXTURE D	N/A
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED):	NO	NO	NO	NO	NO	NO	NO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION:

INSPECTORS:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
STANDARDS, GENERAL NOTES, COMMITMENTS, & HMA TABLE

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	2
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 100% STATE BRIDGE 0013 S.N. 032-0025
	20101000	TEMPORARY FENCE	FOOT	695	695
	20200100	EARTH EXCAVATION	CU YD	180	180
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10	10
	20400800	FURNISHED EXCAVATION	CU YD	30	30
	25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
	25100630	EROSION CONTROL BLANKET	SQ YD	907	907
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	57	57
	28000400	PERIMETER EROSION BARRIER	FOOT	1653	1653
	28000500	INLET AND PIPE PROTECTION	EACH	1	1
	28100107	STONE RIPRAP, CLASS A4	SQ YD	463	463
	28200200	FILTER FABRIC	SQ YD	463	463

* DENOTES SPECIALTY ITEM

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	CHECKED - RBB	REVISED -	
PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	3
		CONTRACT NO. 66N58		
		ILLINOIS FED. AID PROJECT		

REV. 3/23/26

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 100% STATE BRIDGE 0013 S.N. 032-0025
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	27	27
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4012	4012
40600370	LONGITUDINAL JOINT SEALANT	FOOT	951	951
40600990	TEMPORARY RAMP	SQ YD	84	84
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	403	403
40604112	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70	TON	334	334
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	161	161
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	2688	2688
44004250	PAVED SHOULDER REMOVAL	SQ YD	36	36
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	113	113
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	56	56
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	492	492
50102400	CONCRETE REMOVAL	CU YD	123.3	123.3
50104650	SLOPE WALL REMOVAL	SQ YD	444	444

* DENOTES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 100% STATE BRIDGE 0013 S.N. 032-0025
50300100	FLOOR DRAINS	EACH	18	18
50300255	CONCRETE SUPERSTRUCTURE	CU YD	138.9	138.9
50300300	PROTECTIVE COAT	SQ YD	185	185
50400905	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 42 IN.	FOOT	320	320
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	39210	39210
50800515	BAR SPLICERS	EACH	26	26
50800530	MECHANICAL SPLICERS	EACH	1018	1018
51500100	NAME PLATES	EACH	1	1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	92	92
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12	12
52100520	ANCHOR BOLTS, 1"	EACH	24	24
53016000	DECK SLAB REPAIR (PARTIAL)	SQ YD	7	7
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	50	50
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	36	36

* DENOTES SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 100% STATE BRIDGE 0013 S.N. 032-0025
	58100210	FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	738	738
	59000200	EPOXY CRACK INJECTION	FOOT	80	80
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	250	250
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
	63200310	GUARDRAIL REMOVAL	FOOT	610	610
	63500105	DELINEATORS	EACH	4	4
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
	67100100	MOBILIZATION	L SUM	1	1
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5

* DENOTES SPECIALTY ITEM

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PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	6
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

REV. 3/23/26

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 100% STATE BRIDGE 0013 S.N. 032-0025
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
	70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	816	816
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2264	2264
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5686	5686
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	48	48
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	450.0	450.0
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	387.5	387.5
	70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
	70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE,NARROW), TEST LEVEL 3	EACH	2	2
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3804	3804
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	480	480
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12

* DENOTES SPECIALTY ITEM

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	CHECKED - RBB	REVISED -	
PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	7
		CONTRACT NO. 66N58		
		ILLINOIS FED. AID PROJECT		

REV. 3/23/26

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 100% STATE BRIDGE 0013 S.N. 032-0025
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	12	12
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	754	754
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	8	8
Z0003615	REMOVAL OF EXISTING CONCRETE I-BEAM	EACH	6	6
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0015500	DEBRIS REMOVAL	L SUM	1	1
Z0043800	PRECAST PRESTRESSED CONCRETE I-BEAM REPAIR	SQ FT	73	73
Z0053700	RESETTING SURVEY MONUMENTS	EACH	1	1
Z0062456	TEMPORARY PAVEMENT	SQ YD	141	141
X0325748	ACRYLIC COATING	SQ YD	26	26
X0325749	FIBER WRAP	SQ FT	232	232
X4062952	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	306	306

* DENOTES SPECIALTY ITEM

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Civil Engineering Design

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PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	8
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			

REV. 3/20/26

				CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0013 S.N. 032-0025
* X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	8	8
* X6350206	LINEAR DELINEATOR PANELS, 6 INCH	EACH	6	6
X6670106	FURNISH PERMANENT SURVEY MARKERS	EACH	1	1
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

* DENOTES SPECIALTY ITEM

MODEL: SOQ07 [Sheet]
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	CHECKED - RBB	REVISED -
PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
SUMMARY OF QUANTITIES

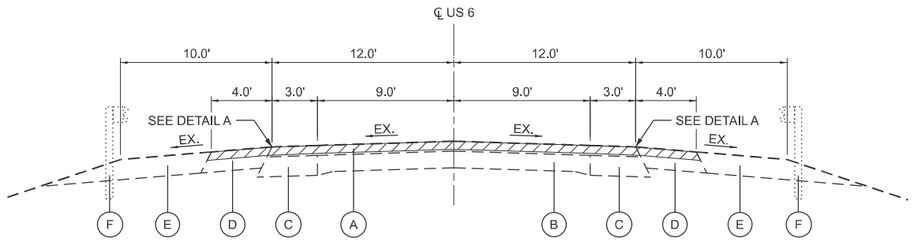
SCALE: N/A | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	9

CONTRACT NO. 66N58

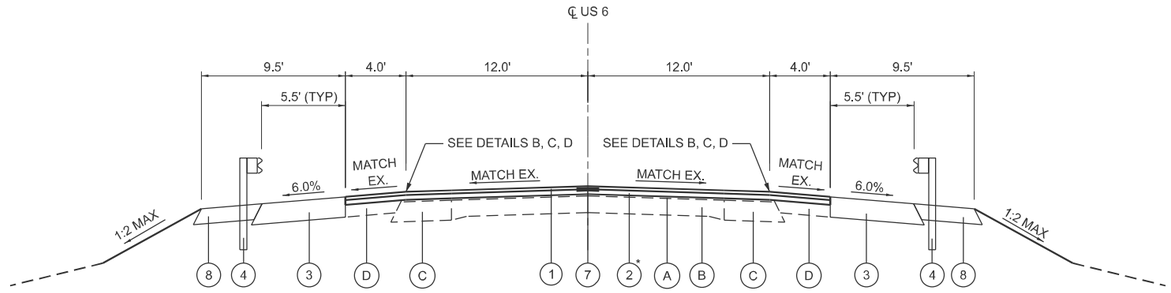
ILLINOIS | FED. AID PROJECT

REV. 3/23/26



EXISTING ROADWAY TYPICAL SECTION

STA. 246+50.00 TO STA. 249+93.83
STA. 249+93.83 TO STA. 251+54.67 (BRIDGE OMISSION)
STA. 251+54.67 TO STA. 256+00.00

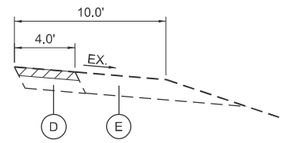


PROPOSED ROADWAY TYPICAL SECTION

STA. 246+50.00 TO STA. 249+93.83
STA. 249+93.83 TO STA. 251+54.67 (BRIDGE OMISSION)
STA. 251+54.67 TO STA. 256+00.00

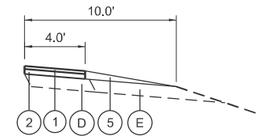
*HOT-MIX ASPHALT BINDER COURSE THICKNESS VARIES:
-SEE TRANSITION DETAIL
-FROM STA. 248+82.71 TO STA. 249+72.71
-FROM STA. 251+75.79 TO STA. 252+65.79

DETAIL A



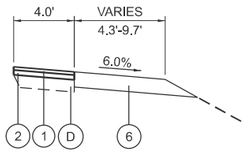
STA. 246+50.00 TO STA. 247+12.43 (RT)
STA. 246+50.00 TO STA. 247+87.37 (LT)
STA. 254+08.39 TO STA. 256+00.00 (RT)
STA. 253+96.77 TO STA. 256+00.00 (LT)

DETAIL B



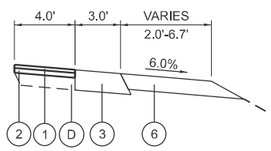
STA. 246+50.00 TO STA. 247+12.43 (RT)
STA. 246+50.00 TO STA. 247+87.37 (LT)
STA. 254+08.39 TO STA. 256+00.00 (RT)
STA. 253+96.77 TO STA. 256+00.00 (LT)

DETAIL C



STA. 247+12.43 TO STA. 247+40.81 (RT)
STA. 247+87.37 TO STA. 248+14.71 (LT)

DETAIL D



STA. 253+23.19 TO STA. 254+08.39 (RT)
STA. 252+95.19 TO STA. 253+96.77 (LT)

EXISTING

- (A) HMA OVERLAY, ± 5"
- (B) PCC PAVEMENT, 9"
- (C) PCC BASE COURSE WIDENING, 9"
- (D) HMA SHOULDER, 8"
- (E) AGG. SHOULDER, 8"
- (F) GUARDRAIL
- HMA SURFACE REMOVAL, 3.75"

PROPOSED

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70, 1.5"
2. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.25"
3. HOT-MIX ASPHALT SHOULDERS, 8"
4. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
5. AGGREGATE WEDGE SHOULDER, TYPE B
6. AGGREGATE SHOULDERS, TYPE B, 6"
7. LONGITUDINAL JOINT SEALANT (SEE NOTE 1)
8. HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARDRAIL

NOTES

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT.

MODEL: TYPICAL [Sheet]
FILE NAME: O:\2022R3\IDOT\CAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\CADSheets\D366N58-sht-Typicals.dgn

EFK•Moen
Civil Engineering Design

USER NAME = skierpiec	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - JDH	REVISED -	
PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
TYPICAL SECTIONS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	10
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK SCHEDULE

1 LOCATION					2 EARTH EXCAVATION	3 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	4 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	5 EMBANKMENT	6 EARTH BALANCE WASTE (+) OR SHORTAGE (-)
					CU YD	CU YD	CU YD	CU YD	CU YD
US 6	246+50.00	TO	247+00.00	RT	1.5	0.1	1.0	0.0	1.0
US 6	247+00.00	TO	247+50.00	RT	3.9	0.2	2.7	5.3	-2.6
US 6	247+50.00	TO	248+00.00	RT	8.0	0.5	5.6	15.0	-9.4
US 6	248+00.00	TO	248+50.00	RT	12.0	0.7	8.4	23.3	-14.9
US 6	248+50.00	TO	249+00.00	RT	14.4	0.8	10.1	16.5	-6.4
US 6	249+00.00	TO	249+50.00	RT	13.2	0.7	9.3	13.4	-4.1
US 6	249+50.00	TO	249+80.00	RT	6.9	0.4	4.8	40.3	-35.5
SN 032-0025	**249+80.00**	**TO**	**251+68.00**	**RT**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
US 6	251+68.00	TO	252+00.00	RT	8.2	0.5	5.8	30.8	-25.0
US 6	252+00.00	TO	252+50.00	RT	16.8	0.9	11.9	4.7	7.2
US 6	252+50.00	TO	253+00.00	RT	37.8	1.9	26.9	0.9	26.0
US 6	253+00.00	TO	253+50.00	RT	35.5	1.8	25.2	0.0	25.2
US 6	253+50.00	TO	254+00.00	RT	10.1	0.6	7.0	0.0	7.0
US 6	254+00.00	TO	254+50.00	RT	4.1	0.3	2.8	0.0	2.8
US 6	254+50.00	TO	255+00.00	RT	1.7	0.1	1.2	0.0	1.2
US 6	255+00.00	TO	255+50.00	RT	1.6	0.1	1.1	0.0	1.1
US 6	255+50.00	TO	256+00.00	RT	1.6	0.1	1.1	0.0	1.1
				TOTAL	180	10	125	155	-30

COLUMN 1: LOCATION FROM PLANS.
COLUMN 2: CUT QUANTITIES. DOES NOT INCLUDE UNSUITABLE MATERIAL.
COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT. NOMINAL QUANTITY OF 5% OF EARTH EXCAVATION (COLUMN 2) PROVIDED.
COLUMN 4: QUANTITIES OF EARTH EXCAVATION ADJUSTED FOR A SHRINKAGE FACTOR OF 25%.
COLUMN 5: QUANTITIES OF EMBANKMENT (FILL).
COLUMN 6: EARTHWORK BALANCE (COLUMN 4 - COLUMN 5).
(+) = QUANTITY OF EXTRA EXCAVATION TO BE WASTED.
(-) = QUANTITY OF FURNISHED EXCAVATION NEEDED.

MODEL: Sched01 [Sheet]
FILE NAME: O:\2022R3\DOTCAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\CADSheets\ID366N58-sht-Schedule.dgn

EFK•Moen
Civil Engineering Design

USER NAME = skierpiec	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	11
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			

GUARDRAIL REMOVAL SCHEDULE

FROM STATION	OFFSET	TO STATION	OFFSET	GUARDRAIL REMOVAL
				FOOT
247+59.63	RT	249+87.14	RT	227.6
248+34.05	LT	249+86.55	LT	152.6
251+61.57	LT	252+76.56	LT	115.0
251+61.67	RT	252+76.15	RT	114.6
			TOTAL	610

ROADWAY REMOVAL SCHEDULE

FROM STATION	TO STATION	OFFSET	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	PAVED SHOULDER REMOVAL
			SQ YD	SQ YD	SQ YD
246+50.00	249+93.96	CL	78.1	1157.2	
251+54.37	256+00.00	CL	82.6	1530.1	
252+71.66	253+48.92	RT			35.2
		TOTAL	161	2688	36

PROPOSED PAVEMENT SCHEDULE

FROM STATION	TO STATION	LT/RT	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70	AGGREGATE SHOULDERS, TYPE B 6"	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS, 8"	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL
			TON	POUND	FOOT	TON	TON	SQ YD	TON	SQ YD	SQ YD
246+50.00	249+93.83	RT		236.8				21.0	4.8	143.6	106.4
246+50.00	249+93.83	LT		173.7				22.6	13.1	110.3	73.5
246+50.00	256+00.00	LT/RT		3255.4	950.5	402.3	240.0				
251+54.67	256+00.00	RT	26.9	188.9				30.3	17.4	130.0	68.8
251+54.67	256+00.00	LT		156.8				38.4	20.2	107.8	56.4
		TOTAL	27	4012	951	403	241	113	56	492	306

NOTES:
1. SEE STRUCTURAL PLANS FOR ADDITIONAL POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE QUANTITY.

PROPOSED GUARDRAIL SCHEDULE

FROM STATION	TO STATION	OFFSET	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	DELINEATORS	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	BARRIER WALL REFLECTORS, TYPE C	LINEAR DELINEATOR PANELS, 4 INCH	LINEAR DELINEATOR PANELS, 6 INCH
			FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
247+58.80	249+80.08	RT	137.5	1	1	1	1	4		2	
248+33.80	249+80.08	LT	62.5	1	1	1	1	4		2	
249+00.00	251+60.42	LT							6		3
249+80.08	251+68.42	RT							6		3
251+68.42	252+77.20	LT	25.0	1	1	1	1	4		2	
251+68.42	252+77.20	RT	25.0	1	1	1	1	4		2	
		TOTAL	250.0	4	4	4	4	16	12	8	6

EROSION CONTROL SCHEDULE

FROM STATION	TO STATION	OFFSET	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
			SQ YD	POUND	FOOT	EACH
246+50.00	249+80.42	RT	317.7	19.7	355.1	
246+50.00	249+81.34	LT	292.5	18.1	395.3	
251+57.25	256+00.00	LT	171.3	10.6	469.1	
251+57.73	252+85.00	RT	99.2	6.2	151.8	
253+20.00	256+00.00	RT	26.5	1.6	280.8	1
		TOTAL	907	57	1653	1

LANDSCAPING SCHEDULE

FROM STATION	TO STATION	OFFSET	AREA	SEEDING CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
			SQ FT	ACRE	POUND	POUND	POUND
246+50.00	249+80.42	RT	2858.9	0.07	5.9	5.9	5.9
246+50.00	249+81.34	LT	2632.3	0.06	5.4	5.4	5.4
251+57.25	256+00.00	LT	1542.1	0.04	3.2	3.2	3.2
251+57.73	252+85.00	RT	893.2	0.02	1.8	1.8	1.8
253+20.00	256+00.00	RT	238.6	0.01	0.5	0.5	0.5
		TOTAL		0.19	16.9	16.9	16.9
		ROUNDED TOTAL		0.25	23	23	23

MAINTENANCE OF TRAFFIC SCHEDULE

STAGE	LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	TEMPORARY RUMBLE STRIPS	TEMPORARY BRIDGE TRAFFIC SIGNALS
						FOOT	FOOT	EACH	EACH	EACH	EACH
STAGE 1	US 6	248+49.09	3.27' RT	249+36.29	4.00' LT	87.5		1			
	US 6	249+36.29	4.00' LT	251+86.29	4.00' LT	250.0					
	US 6	251+86.29	4.00' LT	252+36.29	0.17' RT	50.0		1			
	US 6									6	1
STAGE 1 SUBTOTAL						387.5	0	2	0	6	1
STAGE 2	US 6	248+49.09	3.27' LT	249+36.29	4.00' RT		87.5		1		
	US 6	249+36.29	4.00' RT	252+11.29	4.00' RT		275.0				
	US 6	252+11.29	4.00' RT	252+98.49	3.27' LT	62.5	25.0		1		
STAGE 2 SUBTOTAL						62.5	387.5	0	2	0	0
TOTAL						450.0	387.5	2	2	6	1

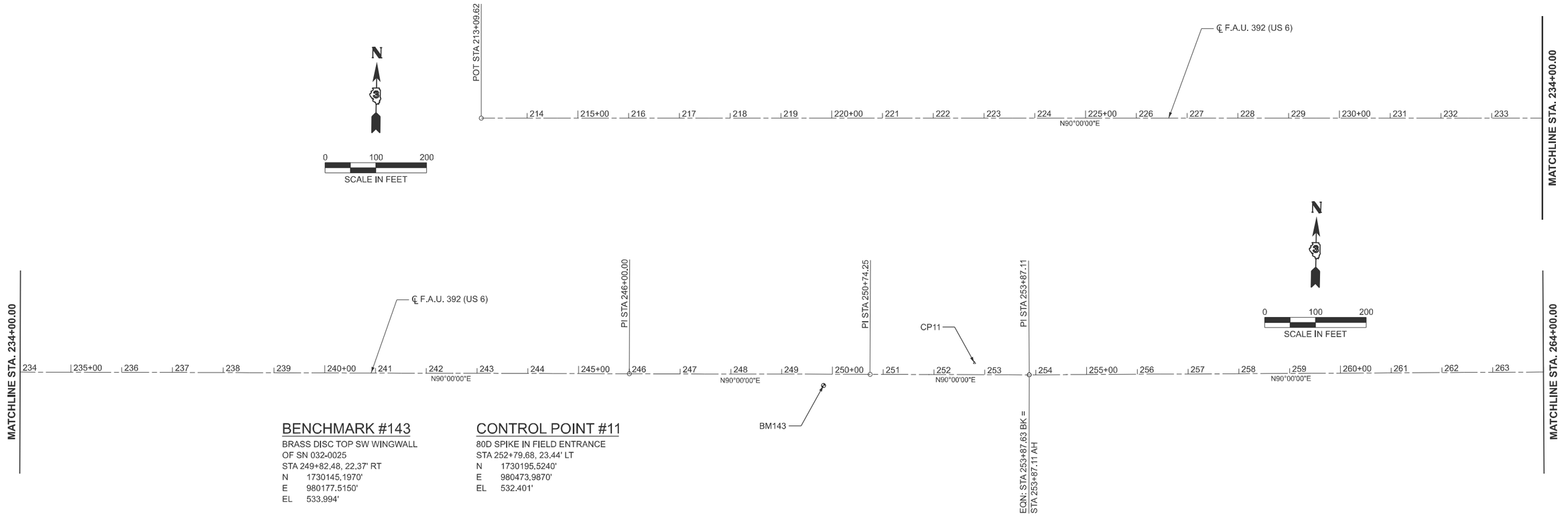
MAINTENANCE OF TRAFFIC PAVEMENT MARKING SCHEDULE

STAGE	FROM STATION	TO STATION	OFFSET	SHORT TERM PAVEMENT MARKING		TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING LINE 24" - TYPE IV TAPE	SHORT TERM PAVEMENT MARKING REMOVAL
				WHITE (ABBREVIATED)	YELLOW (ABBREVIATED)	SOLID WHITE	SOLID WHITE	
				FOOT	FOOT	FOOT	FOOT	SQ FT
STAGE 1	246+55.21		RT				24.0	48.0
STAGE 1	246+71.21	254+95.77	RT			1653.6		551.2
STAGE 1	248+14.71	253+96.27	LT			1164.9		388.3
STAGE 1	255+61.77		LT				24.0	48.0
STAGE 2	247+15.21	255+51.77	LT			1677.6		559.2
STAGE 2	248+14.71	254+08.27	RT			1189.4		396.5
STAGE 3	246+50.00	256+00.00	CTR	240.0	576.0			272.0
TOTAL				816		5686	48	2264

PAVEMENT MARKING SCHEDULE

START STATION	END STATION	OFFSET	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKING REMOVAL - WATER BLASTING
			SOLID WHITE	YELLOW 10' DASH - 30' SKIP			
			FOOT	FOOT	EACH	EACH	SQ FT
246+50.00	256+00.00	LT	1902				317.0
246+50.00	256+00.00	CTR		480	12	12	120.0
246+50.00	256+00.00	RT	1902				317.0
TOTAL			3804	480	12	12	754

NOTES:
1. PAVEMENT MARKINGS SHALL BE APPLIED IN TWO APPLICATIONS.

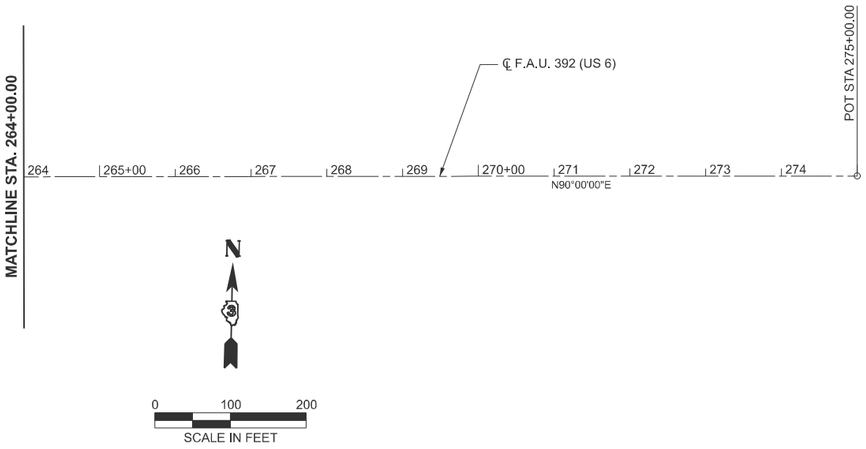


BENCHMARK #143

BRASS DISC TOP SW WINGWALL
OF SN 032-0025
STA 249+82.48, 22.37' RT
N 1730145.1970'
E 980177.5150'
EL 533.994'

CONTROL POINT #11

80D SPIKE IN FIELD ENTRANCE
STA 252+79.68, 23.44' LT
N 1730195.5240'
E 980473.9870'
EL 532.401'



PERMANENT SURVEY MARKER SCHEDULE

MONUMENT NUMBER	DESCRIPTION	APPROXIMATE LOCATION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
006399	NW CORNER SECTION 20, T34N, R8E, 3RD PM POSSIBLE LOCAITON	WEST END OF BRIDGE	MAG NAIL	TYPE 1	YES	1
A006399	NW CORNER SECTION 20, T34N, R8E, 3RD PM POSSIBLE LOCATION	WEST END OF BRIDGE	NONE, PER TIES	SEE NOTE		
	NOTE: TWO LOCATIONS ARE BEING USED AS THE SECTION CORNER. THE BURIED CAST IRON MONUMENT WILL BE LOCATED BY PLATS AND PLANS AT THE TIME OF 66N58 CONSTRUCTION, OR PRIOR TO THAT DURING THE DAY LABOR RESURFACING OF ROUTE 6 AT THAT LOCATION. ONE MONUMENT WILL BE SET.					

ONLY THE ORIGINAL SCOPE OF THIS JOB HAS BEEN SEARCHED FOR MONUMENTS. R.E. MUST INFORM PLATS AND PLANS TO SEARCH FOR ADDITIONAL MONUMENTS PRIOR TO MILLING IF ADDENDUMS HAVE BEEN ADDED TO THIS JOB.

R.E. WILL INFORM PLATS AND PLANS WHEN THE WEST BOUND LANE IS TO BE CLOSED.

UNKNOWN MONUMENTS MAY EXIST. IF AN UNLISTED MONUMENT IS FOUND, R.E. IS REQUIRED TO PROTECT THE MONUMENT FROM DAMAGE UNTIL A PLATS AND PLANS LAND SURVEYOR CAN DOCUMENT THE MONUMENT. PLATS AND PLANS WILL RESET SUCH MONUMENTS IN KIND FOLLOWING CONSTRUCTION.

NOTE: FOR BIDDING PURPOSES NO CONTRACTED LAND SURVEYING SERVICES WILL BE REQUIRED.
PLATS AND PLANS WILL PREPARE AND RECORD ANY REQUIRED MONUMENT RECORDS.
TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR FOR THE ENGINEER TO INSTALL ALL MONUMENT TYPES.
RESPONSIBILITY:
1) RESIDENT TO COORDINATE WITH PLATS AND PLANS STAFF TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED ACCORDING TO THE SPECIAL PROVISION "FURNISH PERMANENT SURVEY MARKER")
2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

MODEL: ATB1
FILE NAME: O:\2022R3\IDOTCAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\CADsheets\D366N58-sht-ATB.dgn

EFK•Moen
Civil Engineering Design

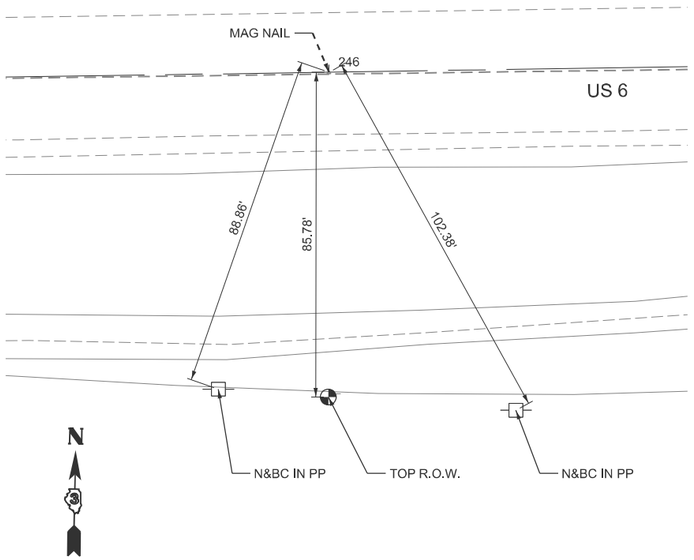
USER NAME = pgillespie	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/21/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
ALIGNMENT, TIES, AND BENCHMARKS

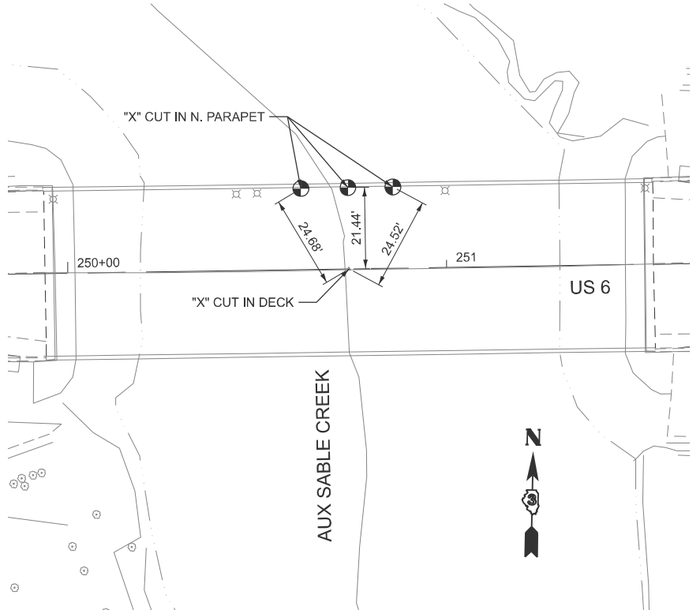
SCALE: 1"=100' | SHEET 1 OF 2 SHEETS | STA. 213+09.62 TO STA. 275+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	14
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			



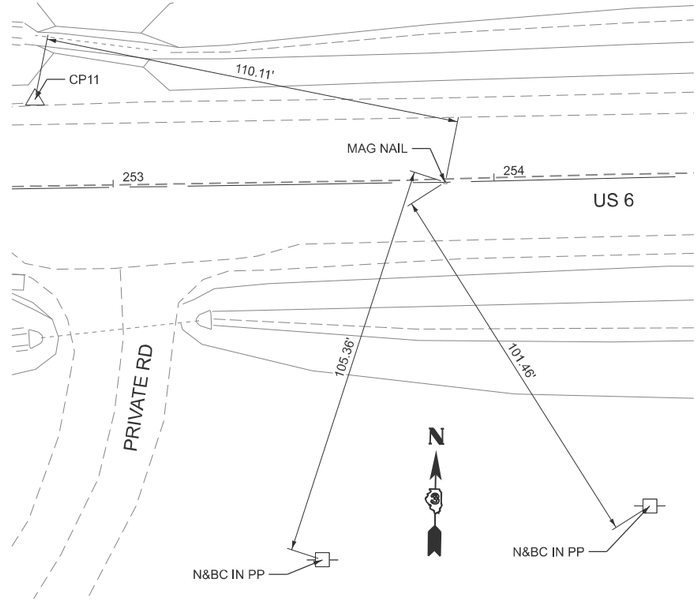
PI STA 246+00.00 (US 6)

MAG NAIL
N: 1730161.7580
E: 979794.7397



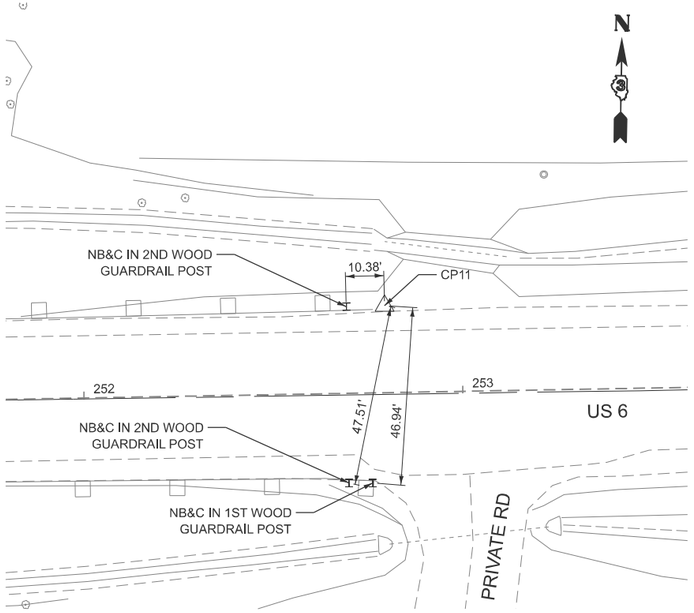
PI STA 250+74.25 (US 6)

CUT "X" IN DECK
N: 1730168.9618
E: 980268.9350



PI STA 253+87.63 BK = STA 253+87.11 AH (US 6)

MAG NAIL
N: 1730173.7219
E: 980582.2745



CONTROL POINT #11
STA 252+79.68, 23.44' LT (US 6)

80D SPIKE IN ABANDONED FIELD ENTRANCE
N: 1730195.5240
E: 980473.9870
EL: 532.401

ALIGNMENT COORDINATES - ℄ US 6			
POINT	STA	NORTHING	EASTING
POT	213+09.62	1730111.7779	976504.7393
PI	246+00.00	1730161.7580	979794.7397
PI	250+74.25	1730168.9618	980268.9350
PI	253+87.63 BK = 253+87.11 AH	1730173.7219	980582.2745
POT	275+00.00	1730222.9853	982694.5865

EFK•Moen
Civil Engineering Design

USER NAME = skierpiec	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
ALIGNMENT, TIES, AND BENCHMARKS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	15
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			

N

0 50 100
SCALE IN FEET

WETLAND SITE 1 - (0.155+ AC)

BEGIN PROJECT
STA. 246+50.00

EX ROW

EX ROW

GUARDRAIL REMOVAL 152 LF

AUX SABLE CREEK

WETLAND SITE 2 - (0.014+ AC)

+72.71

+75.79

GUARDRAIL REMOVAL 115 LF

LIMITS OF CONSTRUCTION

℄ F.A.U. 392 (US 6)

WETLAND SITE 4 - (0.031+ AC)

END PROJECT
STA. 256+00.00

4.71'

4.47'

243 244 245+00 246 247 248 249 250+00 251 252 253 254 255+00 256 257

US 6

32.24'

4.12'

4.90'

32.41'

EX ROW

LIMITS OF CONSTRUCTION

HOT-MIX ASPHALT
SURFACE REMOVAL, 3 ¾"

GUARDRAIL REMOVAL 228 LF

HOT-MIX ASPHALT
SURFACE REMOVAL, 1½"

SN 032-0025 STRUCTURE REHABILITATION
SEE STRUCTURE PLANS

PRIVATE RD

EQN: STA 253+87.63 BK =
STA 253+87.11 AH

PAVED SHOULDER REMOVAL

HOT-MIX ASPHALT
SURFACE REMOVAL, 3 ¾"

GUARDRAIL REMOVAL 115 LF

HOT-MIX ASPHALT
SURFACE REMOVAL, 1½"

MODEL: Rem1
FILE NAME: O:\2022R3\IDOTCAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\CADsheets\D366N58-sht-Removals.dgn

EFK•Moen
Civil Engineering Design

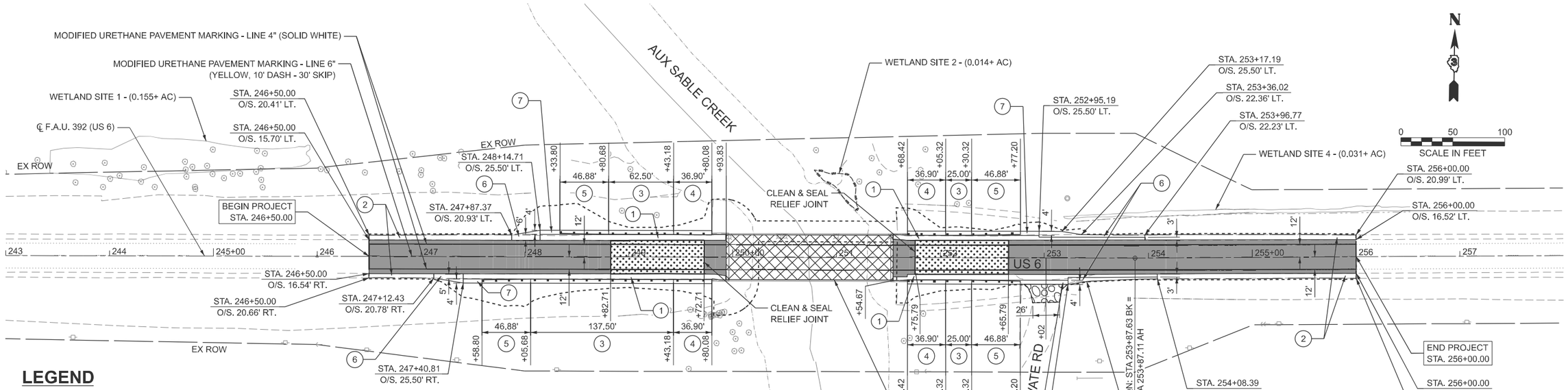
USER NAME = pgillespie	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
REMOVAL PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 243+00.00 | TO STA. A 257+99.48

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	16
		CONTRACT NO. 66N58		
		ILLINOIS FED. AID PROJECT		



LEGEND

1. HMA SHOULDERS, 8"
2. AGGREGATE WEDGE SHOULDER, TYPE B, 3.75" & VARIES
3. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
4. TRAFFIC BARRIER TERMINAL, TYPE 6
5. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
6. AGGREGATE SHOULDERS, TYPE B 6"
7. HMA STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL

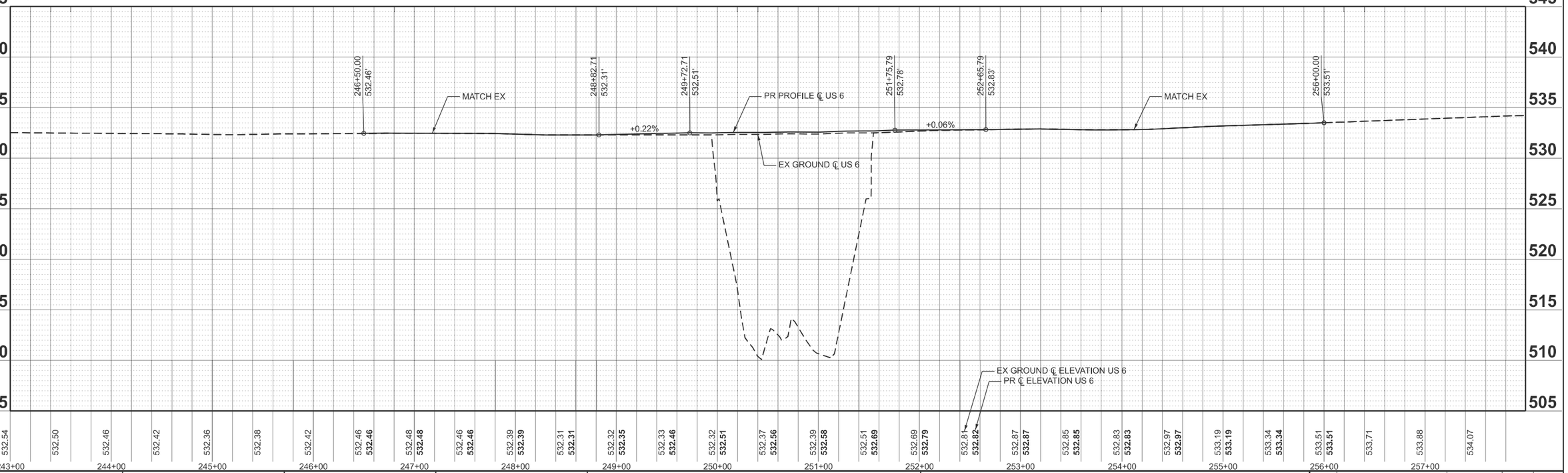
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70, 1.5"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.25"

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70, 1.5"
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIES 2.25" TO 4.5"
(SEE TRANSITION DETAIL)

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N70, 1.5"
FULL LANE SEALANT WATERPROOFING SYSTEM, 0.75"

AGGREGATE SURFACE COURSE, TYPE B, 8"

LIMITS OF CONSTRUCTION



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EFK•Moen
Civil Engineering Design

USER NAME = zbackes	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/20/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
PLAN AND PROFILE

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 243+00.00 | TO STA. A 257+99.48

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	17
		CONTRACT NO. 66N58		
		ILLINOIS FED. AID PROJECT		

STAGING GENERAL NOTES

1. THE STAGING PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. THE CONTRACTOR MAY MODIFY THE STAGING PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

2. ALL THE EXISTING AND TEMPORARY PAVEMENT MARKINGS FROM PRIOR STAGES THAT ARE IN CONFLICT SHALL BE REMOVED.

3. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.

4. SIGNS DESIGNATED AS (O) SHALL HAVE FLUORESCENT ORANGE SHEETING MATERIAL WITH BLACK LETTERING.

5. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. DO NOT PLACE TAPE OR DRILL INTO THE FACE OF THE SIGN WHEN COVERING.

6. CONTRACTOR SHALL NOTIFY THE OPERATION SIGNAL SECTION PRIOR TO ACTIVATING THE TEMPORARY SIGNAL AND SHALL OBTAIN THE TEMPORARY BRIDGE SIGNAL ACTIVATION FORM.

STAGING SEQUENCE OF CONSTRUCTION

PRE-STAGE

TRAFFIC:

1. UTILIZE STANDARD 701326 TO CLOSE WB LANE.

CONSTRUCTION:

1. REMOVE 3' OF EXISTING WB AGGREGATE SHOULDER.

2. CONSTRUCT TEMPORARY PAVEMENT.

STAGE 1

TRAFFIC:

1. UTILIZE STANDARD 701321 AND THE STAGING PLANS TO INSTALL TEMPORARY SIGNALS ALONG US 6 AND AT THE PRIVATE RD AT STA 253+02, TEMPORARY CONCRETE BARRIERS AND OTHER TRAFFIC CONTROL DEVICES.

2. MAINTAIN ONE 12' LANE WITH 1' SHOULDERS ON EACH SIDE ON EX WB PAVEMENT, HMA SHOULDER, AND TEMPORARY PAVEMENT.

3. UTILIZE FLAGGERS AS NEEDED TO CONTROL TRAFFIC AT THE PRIVATE RD AT STA 253+02.

CONSTRUCTION:

1. PERFORM BRIDGE IMPROVEMENTS AS ALLOWED BY THE WORK ZONE. SEE STRUCTURAL PLANS.

2. REMOVE EXISTING GUARDRAIL ALONG EB PAVEMENT.

3. MILL APPROACH SLABS ALONG EB PAVEMENT.

4. PLACE PROPOSED OVERLAY FROM STA 249+72.71 TO STA 251+75.79 ALONG EB PAVEMENT AND CONSTRUCT TEMPORARY RAMPS.

5. CONSTRUCT PROPOSED GUARDRAIL AND GRADING ALONG EB PAVEMENT.

6. CONSTRUCT PROPOSED SHOULDER ALONG EB PAVEMENT FROM STA 247+12.43 TO STA 254+08.39.

STAGE 2

TRAFFIC:

1. UTILIZE STANDARD 701321 AND THE STAGING PLANS TO RELOCATE AND INSTALL TEMPORARY CONCRETE BARRIERS AND OTHER TRAFFIC CONTROL DEVICES.

2. MAINTAIN ONE 12' LANE WITH 1' SHOULDERS ON EACH SIDE ON EB PAVEMENT AND PR SHOULDERS.

CONSTRUCTION:

1. PERFORM BRIDGE IMPROVEMENTS AS ALLOWED BY THE WORK ZONE. SEE STRUCTURAL PLANS.

2. REMOVE EXISTING GUARDRAIL ALONG WB PAVEMENT.

3. REMOVE TEMPORARY PAVEMENT.

4. MILL APPROACH SLABS ALONG WB PAVEMENT.

5. PLACE PROPOSED OVERLAY FROM STA 249+72.71 TO STA 251+75.79 ALONG WB PAVEMENT AND CONSTRUCT TEMPORARY RAMPS.

6. CONSTRUCT PROPOSED GUARDRAIL AND GRADING ALONG WB PAVEMENT.

7. CONSTRUCT PROPOSED SHOULDER ALONG WB PAVEMENT FROM STA 247+87.37 TO STA 253+96.77.

STAGE 3

TRAFFIC:

1. UTILIZE STANDARD 701306 AND 701311 TO ALTERNATE CLOSURES OF THE WB AND EB LANES.

CONSTRUCTION:

1. MILL AND RESURFACE EX PAVEMENT FROM STA 246+50.00 TO STA 249+72.71 AND FROM STA 251+75.79 TO STA 256+00.00.

2. CONSTRUCT AGGREGATE WEDGE SHOULDERS AND GRADING.

3. PLACE FINAL PAVEMENT MARKINGS.

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Civil Engineering Design

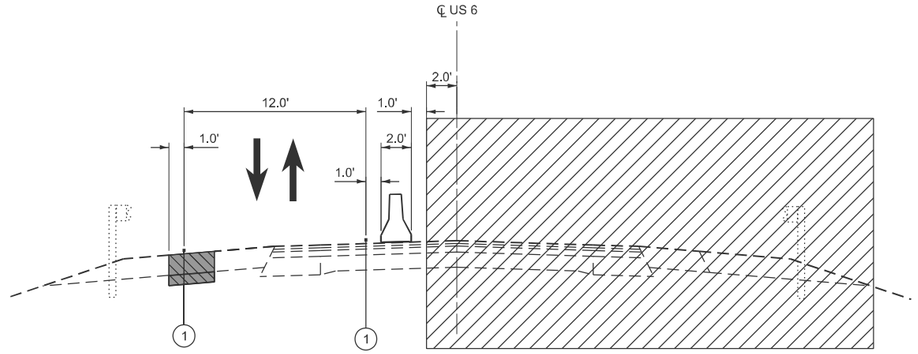
USER NAME = zbackes	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
MAINTENANCE OF TRAFFIC - GENERAL NOTES

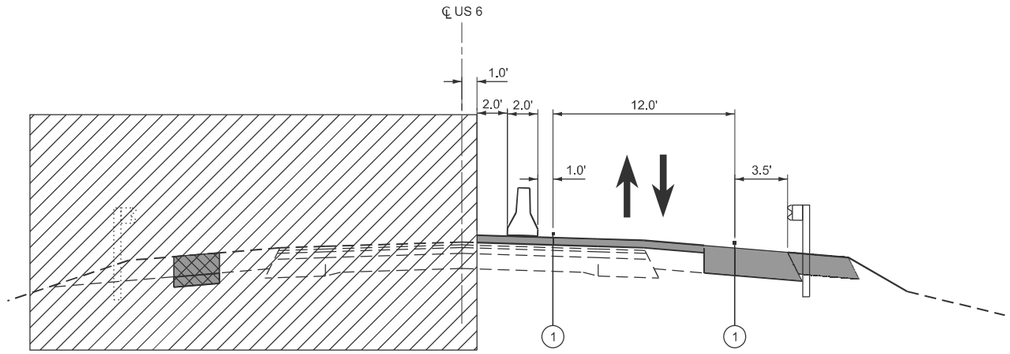
SCALE: N/A | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	18
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			



US 6 TYPICAL SECTION STAGE 1

STA. 249+62.21 TO STA. 251+86.29



US 6 TYPICAL SECTION STAGE 2

STA. 249+62.21 TO STA. 251+86.29

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT (SEE NOTE 1)
- WORK COMPLETED IN PREVIOUS STAGES
- (1) TEMPORARY PAVEMENT MARKING - TAPE TYPE IV - LINE 4" (SOLID WHITE)
- TEMPORARY CONCRETE BARRIER

NOTES

1. SEE HMA MIX CHART. TEMPORARY PAVEMENT CONSISTS OF:
   - HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
   - HMA BINDER COURSE, IL-19.0, N70, 6"
   - SUBBASE GRANULAR MATERIAL, TYPE B, 4"

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Civil Engineering Design

USER NAME = pgillespie	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/21/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

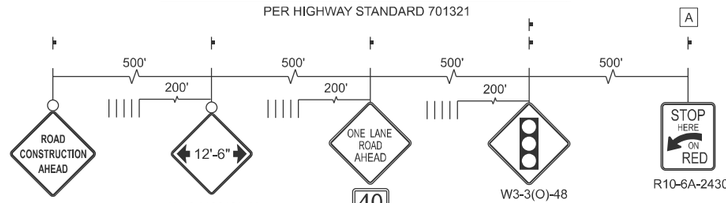
US 6 OVER AUX SABLE CREEK
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	19
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

ADVANCED SIGNING DETAIL - US 6 (EB)

PER HIGHWAY STANDARD 701321



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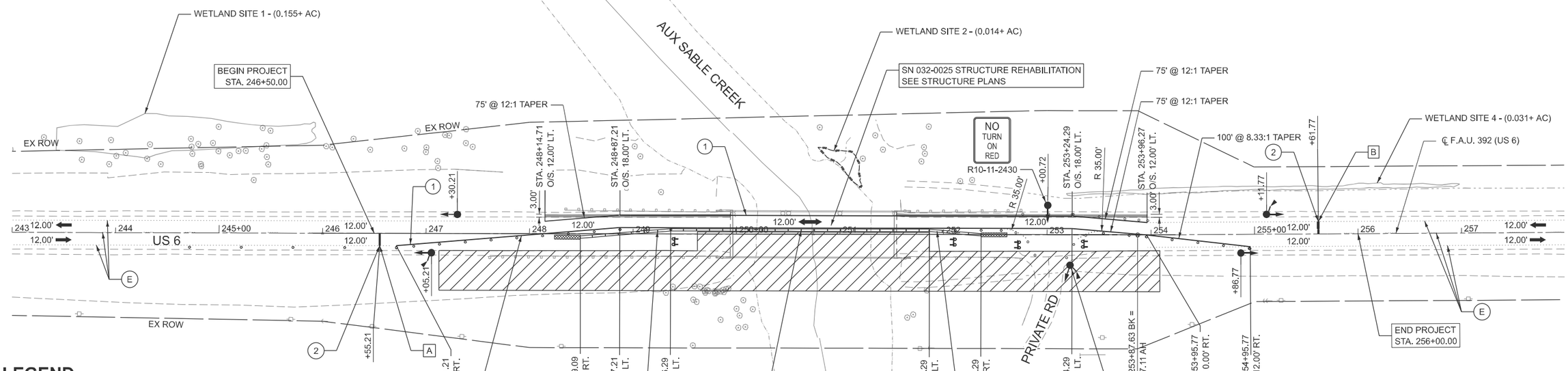
SCALE IN FEET

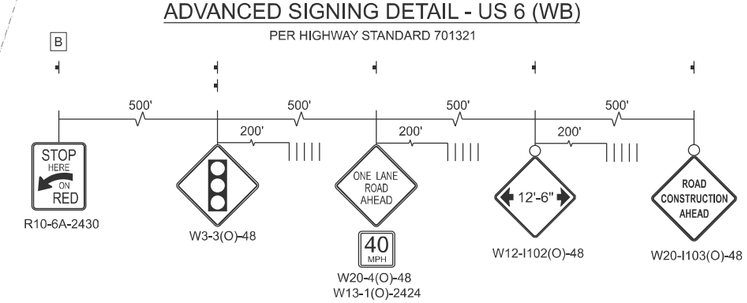


LEGEND

- SIGN
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS SPACED AT 25' C-C WITHIN LANE TAPER LIMITS, 50' C-C WITHIN TANGENTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGNAL WITH BACKPLATE
- MICROWAVE DETECTOR
- TEMPORARY RUMBLE STRIPS
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE
- WORK COMPLETED IN PREVIOUS STAGE
- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (SOLID WHITE)
- Ⓔ EXISTING PAVEMENT MARKING
- Ⓟ PAVEMENT MARKING PLACED IN PREVIOUS STAGE

ADVANCED SIGNING DETAIL - US 6 (WB)

PER HIGHWAY STANDARD 701321



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Civil Engineering Design

USER NAME = skierpiec	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/23/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

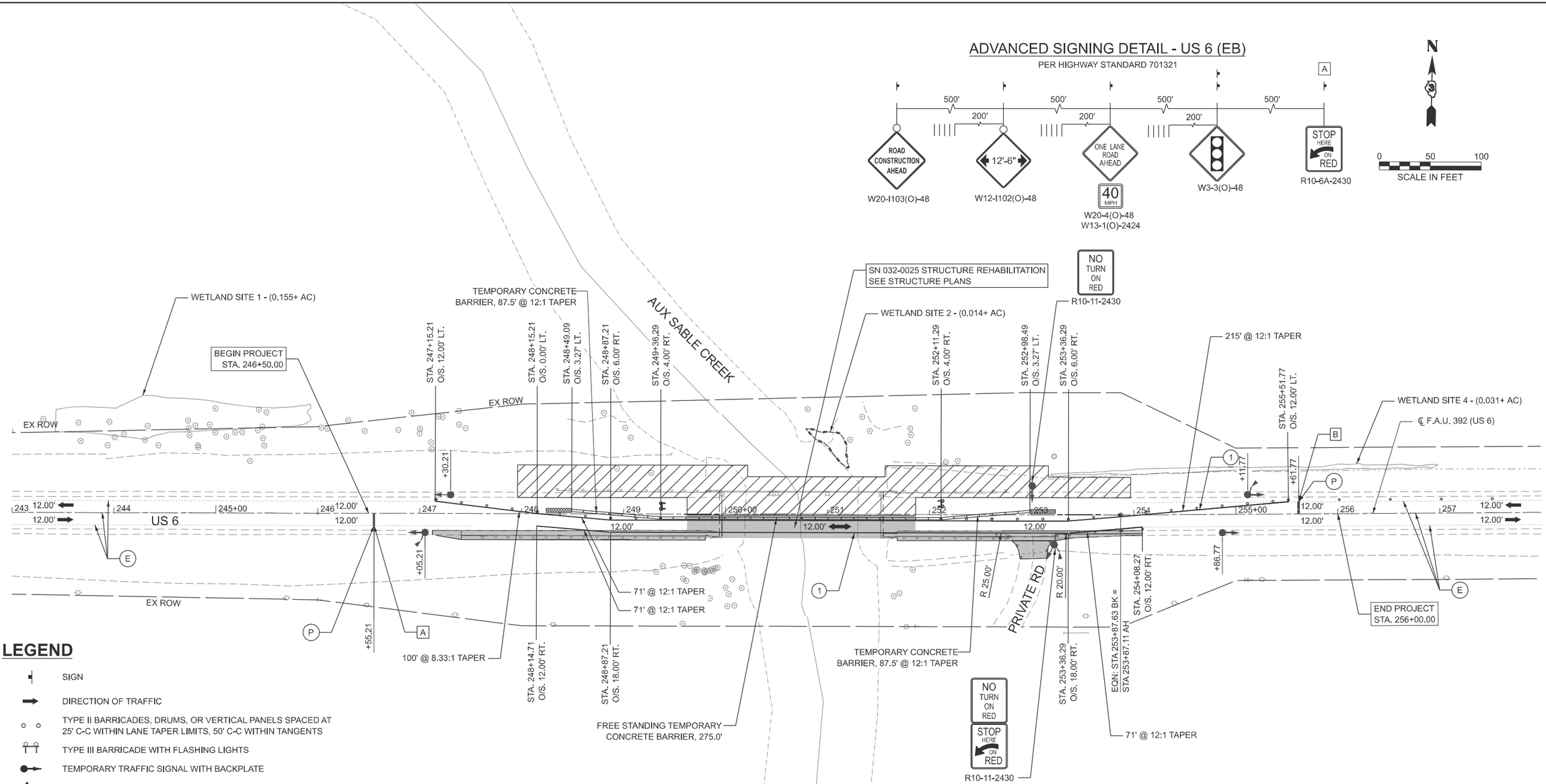
US 6 OVER AUX SABLE CREEK
MAINTENANCE OF TRAFFIC - STAGE 1

SCALE: 1"=50' | SHEET 3 OF 5 SHEETS | STA. 243+00.00 | TO STA. A 257+99.48

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	20
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

ADVANCED SIGNING DETAIL - US 6 (EB)

PER HIGHWAY STANDARD 701321

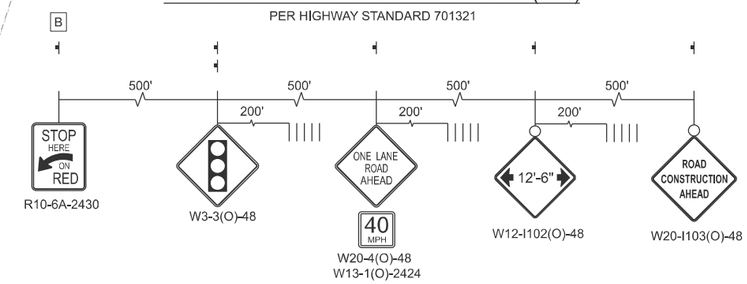


LEGEND

- SIGN
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS SPACED AT 25' C-C WITHIN LANE TAPER LIMITS, 50' C-C WITHIN TANGENTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGNAL WITH BACKPLATE
- MICROWAVE DETECTOR
- TEMPORARY RUMBLE STRIPS
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3
- WORK ZONE
- WORK COMPLETED IN PREVIOUS STAGE
- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (SOLID WHITE)
- Ⓔ EXISTING PAVEMENT MARKING
- Ⓟ PAVEMENT MARKING PLACED IN PREVIOUS STAGE

ADVANCED SIGNING DETAIL - US 6 (WB)

PER HIGHWAY STANDARD 701321



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		DRAWN - PJG	REVISED -
		CHECKED - RBB	REVISED -
	PLOT DATE = 1/19/2026	DATE - 1/23/2026	REVISED -

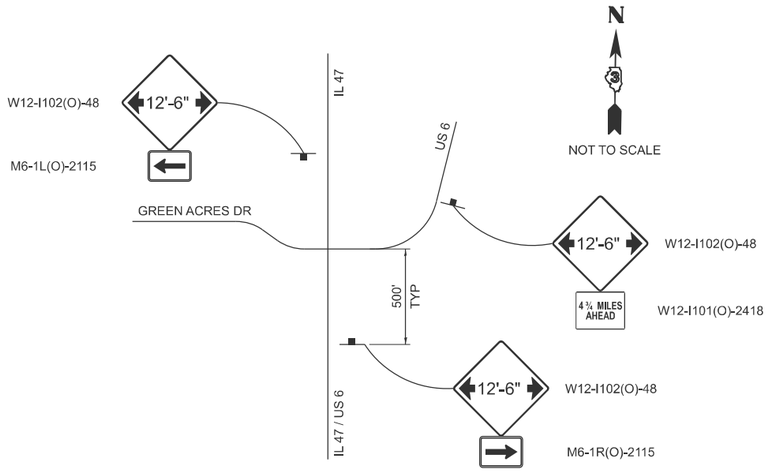
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
MAINTENANCE OF TRAFFIC - STAGE 2

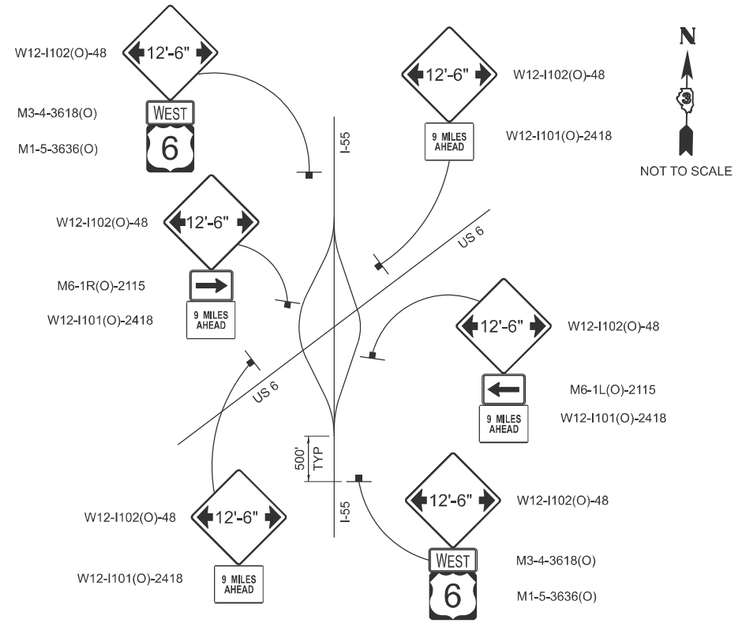
SCALE: 1"=50' | SHEET 4 OF 5 SHEETS | STA. 243+00.00 | TO STA. A 257+99.48

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	21
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			

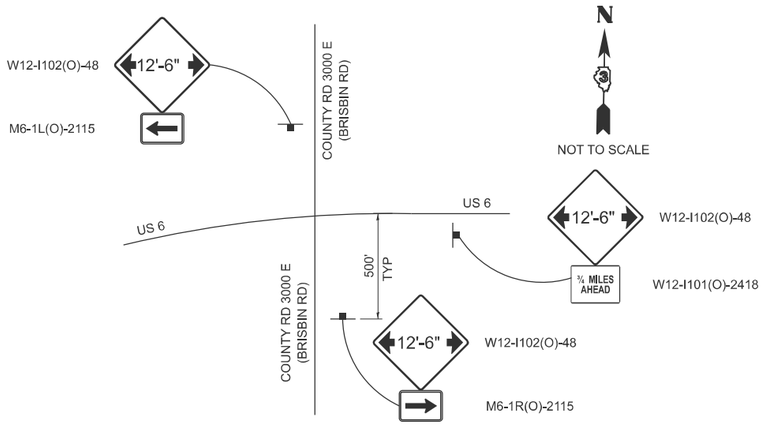
ADVANCE WIDTH RESTRICTION SIGNING FOR EB US 6 AT IL 47



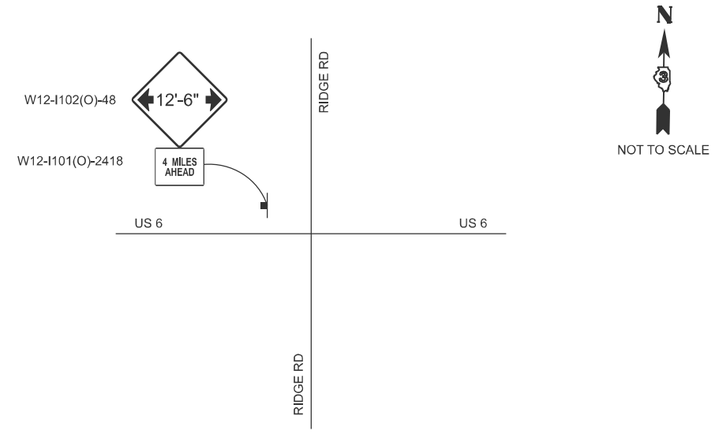
ADVANCE WIDTH RESTRICTION SIGNING FOR WB US 6 AT I-55



ADVANCE WIDTH RESTRICTION SIGNING FOR EB US 6 AT COUNTY RD 3000 E (BRISBIN RD)



ADVANCE WIDTH RESTRICTION SIGNING FOR WB US 6 AT RIDGE RD



NOTES

1. SIGNS DESIGNATED AS (O) SHALL HAVE FLUORESCENT ORANGE SHEETING MATERIAL WITH BLACK LETTERING.

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Civil Engineering Design

USER NAME = pgillespie	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/15/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
MAINTENANCE OF TRAFFIC - ADVANCE WIDTH RESTRICTION SIGNING

SCALE: N/A | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	22
		CONTRACT NO. 66N58		
		ILLINOIS	FED. AID PROJECT	

N

0 50 100
SCALE IN FEET

WETLAND SITE 1 - (0.155+ AC)

BEGIN PROJECT
STA. 246+50.00

EX ROW

EX ROW

STA. 249+50.00
O/S. 38.00' LT.

STA. 248+85.00
O/S. 38.00' LT.

STA. 248+50.00
O/S. 57.00' LT.

STA. 248+15.00
O/S. 57.00' LT.

STA. 247+80.00
O/S. 28.00' LT.

STA. 246+50.00
O/S. 28.00' LT.

AUX SABLE CREEK

STA. 249+65.00
O/S. 42.00' LT.

STA. 249+74.00
O/S. 58.00' LT.

STA. 249+81.50
O/S. 61.00' LT.

WETLAND SITE 2 - (0.014+ AC)

STA. 251+57.25
O/S. 47.83' LT.

STA. 251+68.51
O/S. 47.66' LT.

STA. 251+87.00
O/S. 45.00' LT.

STA. 252+00.00
O/S. 37.00' LT.

STA. 252+50.00
O/S. 32.00' LT.

STA. 252+75.00
O/S. 37.00' LT.

STA. 253+45.00
O/S. 29.00' LT.

WETLAND SITE 4 - (0.031+ AC)

STA. 256+00.00
O/S. 29.00' LT.

243 244 245+00 246 247 248 249 250+00 251 252 253 254 255+00 256 257

US 6

STA. 246+50.00
O/S. 27.00' RT.

EX ROW

STA. 247+15.00
O/S. 27.00' RT.

STA. 247+40.00
O/S. 45.00' RT.

STA. 248+00.00
O/S. 54.00' RT.

STA. 249+80.42
O/S. 40.64' RT.

SN 032-0025 STRUCTURE REHABILITATION
SEE STRUCTURE PLANS

STA. 251+57.73
O/S. 46.00' RT.

STA. 251+75.00
O/S. 46.00' RT.

STA. 252+85.00
O/S. 35.00' RT.

PRIVATE RD

STA. 253+20.00
O/S. 31.00' RT.

℄ F.A.U. 392 (US 6)

EQN: STA 253+87.63 BK =
STA 253+87.11 AH

STA. 256+00.00
O/S. 27.00' RT.

END PROJECT
STA. 256+00.00

EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- PERIMETER EROSION BARRIER
- WETLAND "NO INSTRUSION" FENCE PAID FOR AS TEMPORARY FENCE
- WETLAND
- TEMPORARY EROSION CONTROL SEEDING EROSION CONTROL BLANKET
- INLET AND PIPE PROTECTION

MODEL: Eros1
FILE NAME: O:\2022R3\DOTCAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\CADSheets\ID366N58-sht-Eros.dgn

EFK•Moen
Civil Engineering Design

USER NAME = skierpiec	DESIGNED - JDB	REVISED -	
	DRAWN - PJG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/20/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 243+00.00 TO STA. A 257+99.48

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	23
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

N

0 50 100
SCALE IN FEET

WETLAND SITE 1 - (0.155+ AC)

BEGIN PROJECT
STA. 246+50.00

EX ROW

EX ROW

AUX SABLE CREEK

WETLAND SITE 2 - (0.014+ AC)

SN 032-0025 STRUCTURE REHABILITATION
SEE STRUCTURE PLANS

℄ F.A.U. 392 (US 6)

WETLAND SITE 4 - (0.031+ AC)

243 244 245+00 246 247 248 249 250+00 251 252 253 254 255+00 256 257

US 6

PRIVATE RD

EX ROW

END PROJECT
STA. 256+00.00

EQN: STA 253+87.63 BK =
STA 253+87.11 AH

LANDSCAPING LEGEND

- - - - - - - LIMITS OF CONSTRUCTION

TOPSOIL EXC & PLAC; 6" EXC & 4" PLAC
SEEDING, CL 2A
EROSION CONTROL BLANKET
NITROGEN FERT NUTR
PHOSPHOROUS FERT NURT
POTASSIUM FERT NURT

MODEL: Lndscp01
FILE NAME: O:\2022R3\DOTCAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\CADSheets\ID366N58-alt-Lndscp.dgn

EFK•Moen
Civil Engineering Design

USER NAME = pgillespie	DESIGNED - JDB	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
LANDSCAPING PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 243+00.00 | TO STA. A 257+99.48

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	24
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

Existing Structure:
Structure No. 032-0025 was originally constructed in 1969 as S.B.I. Route 7, Section G-BR at Station 250+74.25. The superstructure consists of 3 span, continuous, non-composite 42" P.P.C. beams and was originally constructed with a 8" thick concrete deck. The superstructure rests on stub abutments founded on steel H-piles and solid wall piers founded on spread footings. The structure has zero skew and an overall length of 164'-1" from back-to-back of abutments. The out-to-out width of the structure is 46'-0".

Work shall be completed utilizing stage construction.

No salvage.

SCOPE OF WORK

1. Remove and replace fasica beams, exterior portions of the deck, and parapets.
2. Remove and replace bearings and expansion joints at abutments.
3. Perform repairs to beam ends and substructures.
4. Modify wingwall for guardrail attachment.
5. Remove and replace west slope wall with riprap.
6. Perform bridge deck repairs and add HMA overlay to bridge deck.
7. Debris removal in waterway

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

LOADING HS20-44

No allowance for future wearing surface.

DESIGN STRESSES

FIELD UNITS

NEW CONSTRUCTION

f'c = 3,500 psi (Substructure)
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS

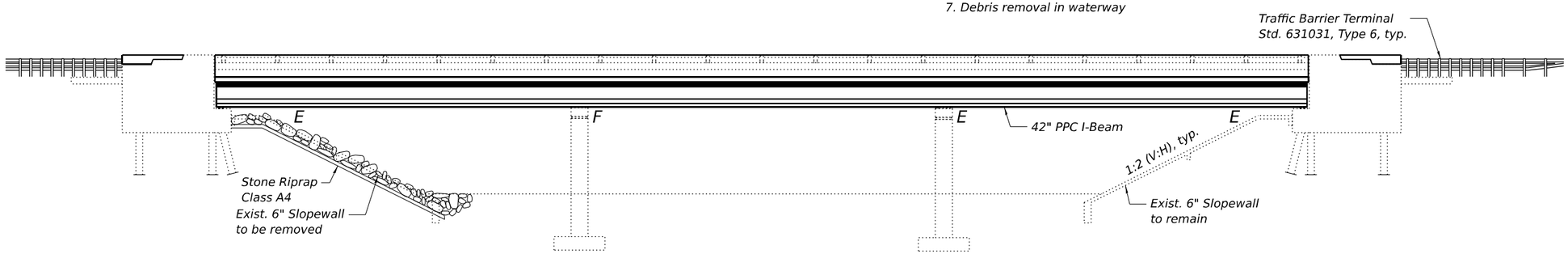
f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi (½" ∅ Low Relaxation Strands)
f'si = 201,960 psi (½" ∅ Low Relaxation Strands)

EXISTING CONSTRUCTION

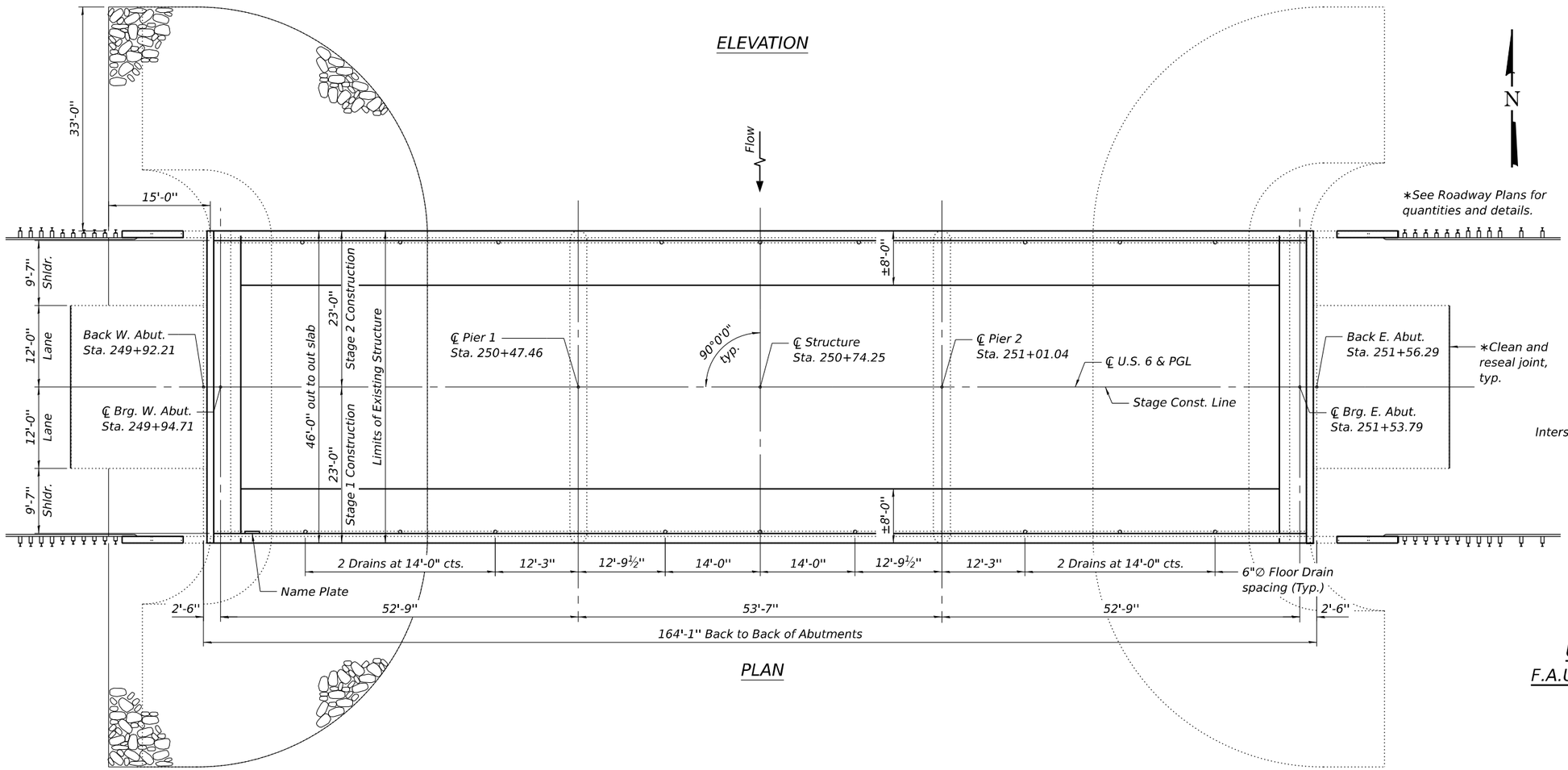
fc = 1,400 psi (Substructure)
fc = 1,200 psi (Superstructure)
fs = 20,000 psi (Reinforcement)

EXISTING PRECAST PRESTRESSED UNITS

f'c = 5,000 psi
f'ci = 4,000 psi
f's = 248,000 psi (Strands 7/16" ∅)
f'si = 173,600 psi (Strands 7/16" ∅)



ELEVATION

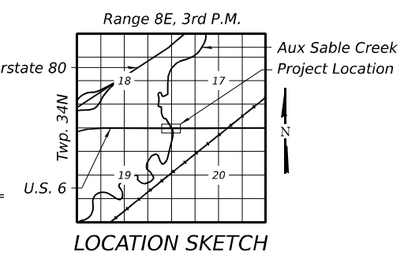


PLAN

∗See Roadway Plans for quantities and details.

N

Signed: Alex C. Benz
Date: 3/6/2026
License Expires: 11/30/2026



LOCATION SKETCH

GENERAL PLAN & ELEVATION
U.S. 6 OVER AUX SABLE CREEK
F.A.U. ROUTE 392 SECTION (G-BR)BR-1
GRUNDY COUNTY
STATION 250+74.25
STRUCTURE NO. 032-0025

EFK•Moen
Civil Engineering Design

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PLOT SCALE =	DRAWN - KRH	REVISED -
PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NUMBER 032-0025
SHEET 1 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	25
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.

2. Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied for the joints and top and front face of parapets.

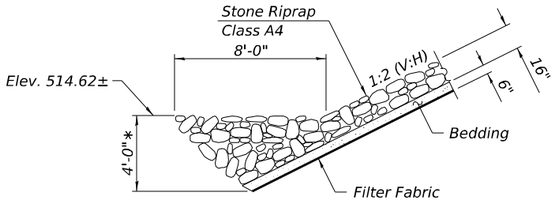
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

4. Plan dimensions and details relative to the existing structure have been taken from existing plans and 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.

5. All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

6. The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost to be included with Concrete Superstructure.

7. Joint opening shall be adjusted according to Article 520.04 of the Standard Specifications when the the deck is poured at an ambient temperature other than 50° F.



SECTION A-A

*Depth can be reduced to top of rock, if encountered.

INDEX OF SHEETS

STA. 250+74.25
RE-BUILT 20 BY
STATE OF ILLINOIS
RTE. 392 SEC. (G-BR)BR-1
LOADING HS20-44
STR. NO. 032-0025

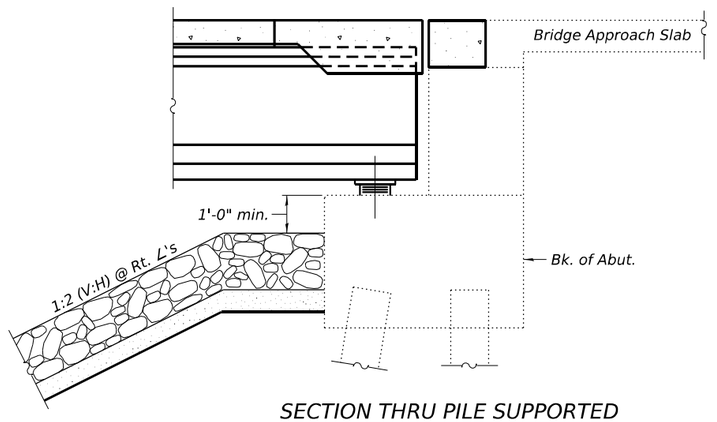
NAME PLATE

See Std. 515001

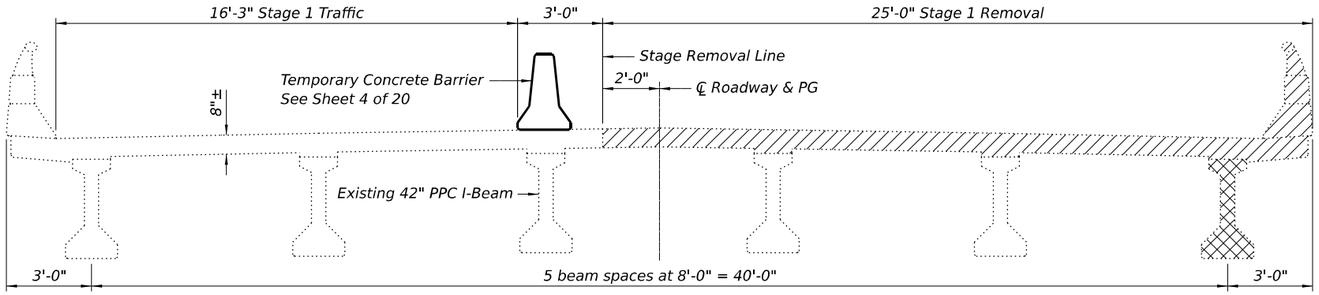
Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		463	463
Filter Fabric	Sq. Yd.		463	463
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5FG, Mix "D", N70	Ton	93		93
Concrete Removal	Cu. Yd.	123.3		123.3
Slope Wall Removal	Sq. Yd.		444	444
Floor Drains	Each	18		18
Concrete Superstructure	Cu. Yd.	138.9		138.9
Protective Coat	Sq. Yd.	185		185
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42 in.	Foot	320		320
Reinforcement Bars, Epoxy Coated	Pound	38,920	290	39,210
Bar Splicers	Each	26		26
Mechanical Splicers	Each	1,018		1,018
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	92		92
Elastomeric Bearing Assembly, Type II	Each	12		12
Anchor Bolts, 1"	Each	24		24
Full Lane Sealant Waterproofing System	Sq. Yd.	738		738
Epoxy Crack Injection	Foot		80	80
Acrylic Coating	Sq. Yd.	26		26
Fiber Wrap	Sq. Ft.	232		232
Jack and Remove Existing Bearings	Each	8		8
Removal of Existing Concrete I-Beam	Each	6		6
Debris Removal	L Sum		1	1
Structural Repair of Concrete (Depth Equal to or Less Than 5 in.)	Sq. Ft.		36	36
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	50		50
Deck Slab Repair (Partial)	Sq. Yd.	7		7
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	73		73

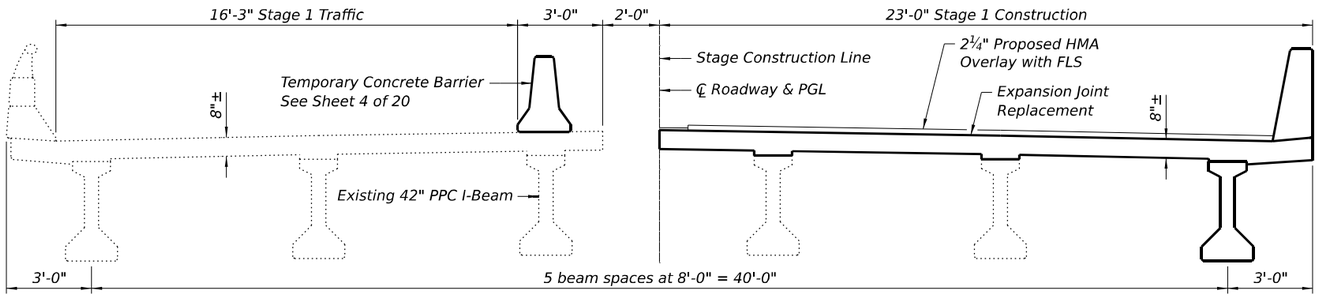


SECTION THRU PILE SUPPORTED STUB ABUTMENT



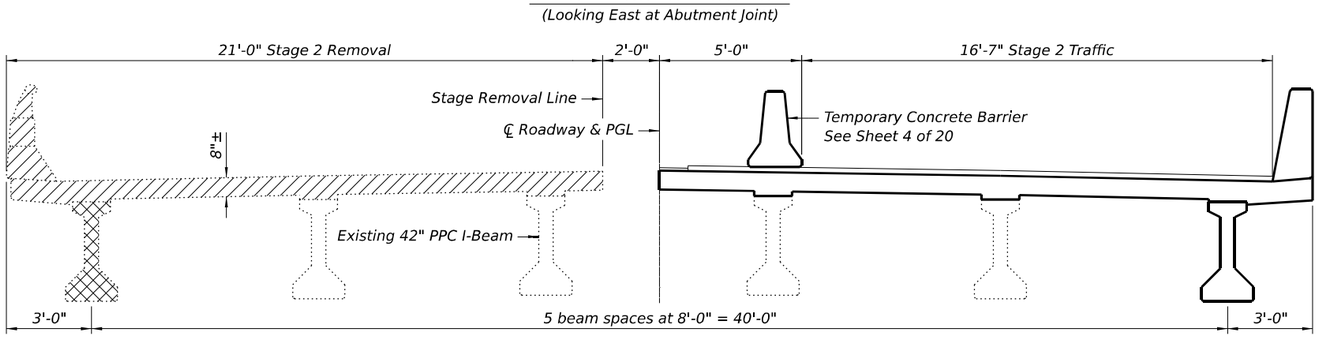
STAGE 1 REMOVAL

(Looking East at Abutment Joint)



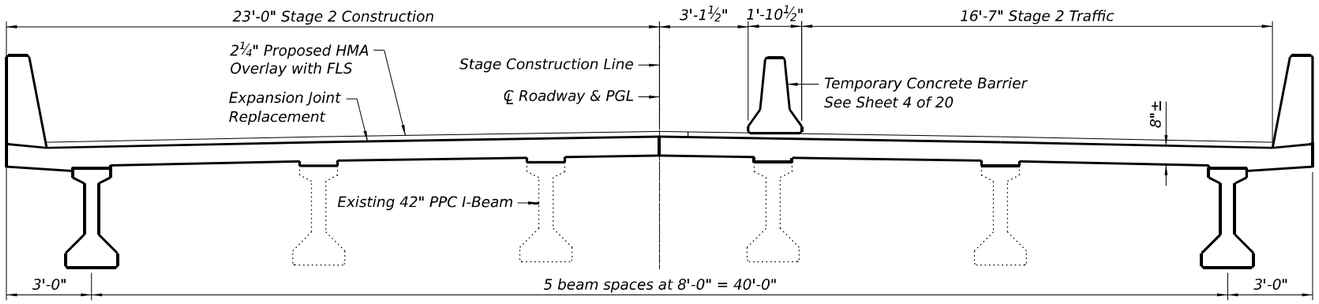
STAGE 1 CONSTRUCTION

(Looking East at Abutment Joint)



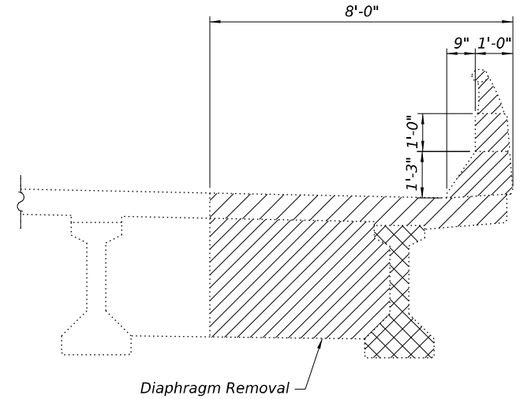
STAGE 2 REMOVAL

(Looking East at Abutment Joint)



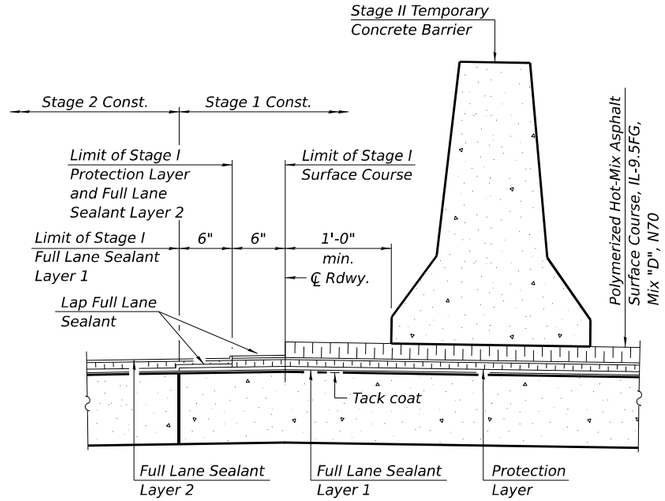
STAGE 2 CONSTRUCTION

(Looking East at Abutment Joint)



FASCIA BEAM REMOVAL

Interior diaphragm removal shown.
Pier diaphragm removal similar.



WATERPROOFING STAGING

Full Lane Sealant Waterproofing System consists of an initial tack coat to promote bonding, Layer 1 of Full Lane Sealant, a Protection Layer and Layer 2 of Full Lane Sealant.

Notes:
Hatched area indicates Concrete Removal for expansion joint replacement and fascia beam replacement. See Sheet 6 and 8 of 20 for addtional dimensions.
Cross hatched area indicates Removal of Existing I-Beam.
For quantity of temporary concrete barrier, see roadway plans.
For details of HMA Overlay with FLS, see Sheet 6 of 20.

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Civil Engineering Design

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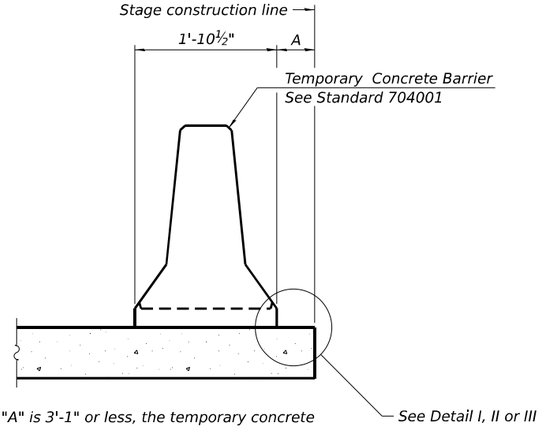
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NUMBER 032-0025

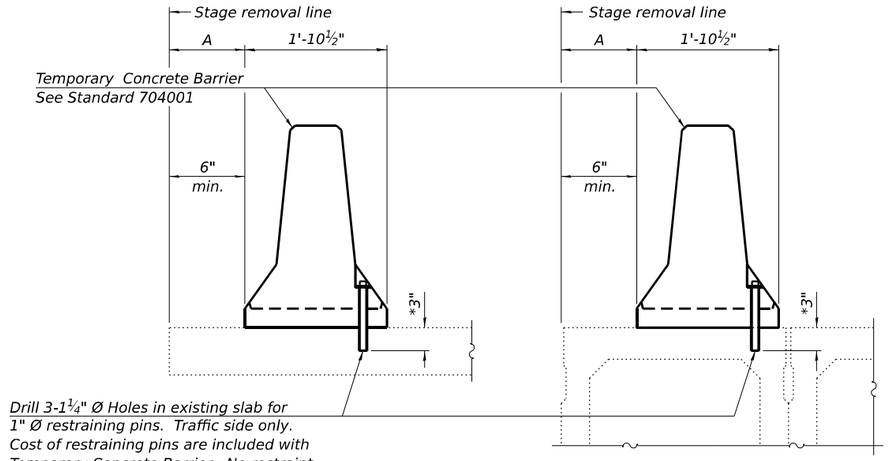
SHEET 3 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	27
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

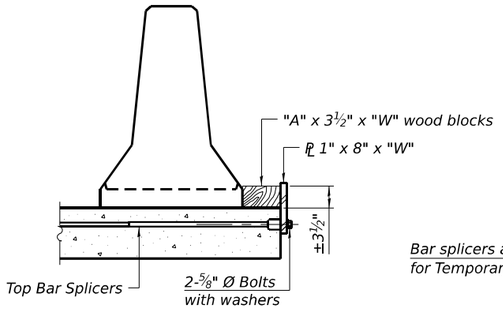


EXISTING SLAB

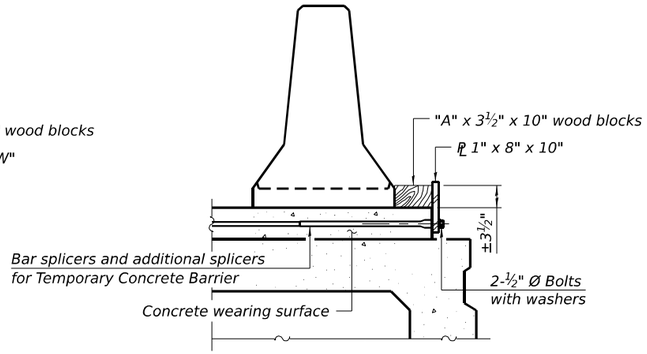
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

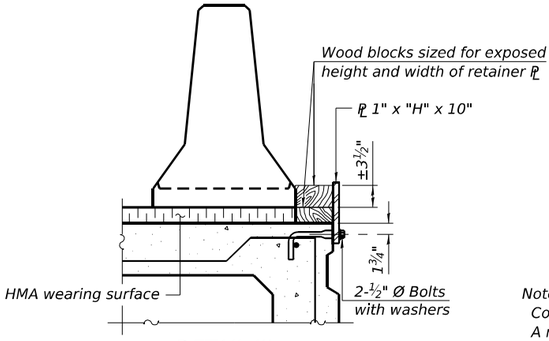
SECTIONS THRU SLAB OR DECK BEAM



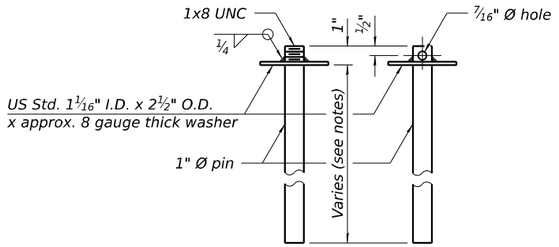
DETAIL I



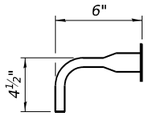
DETAIL II



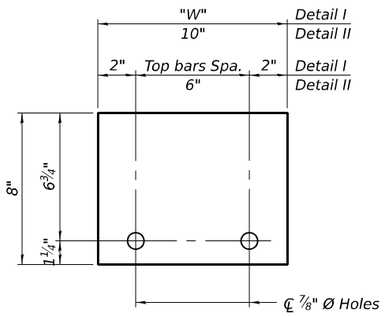
DETAIL III



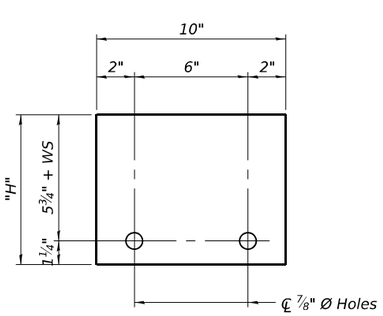
RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

5-15-2023

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TEMPORARY CONCRETE BARRIER
STRUCTURE NUMBER 032-0025

SHEET 4 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	28
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

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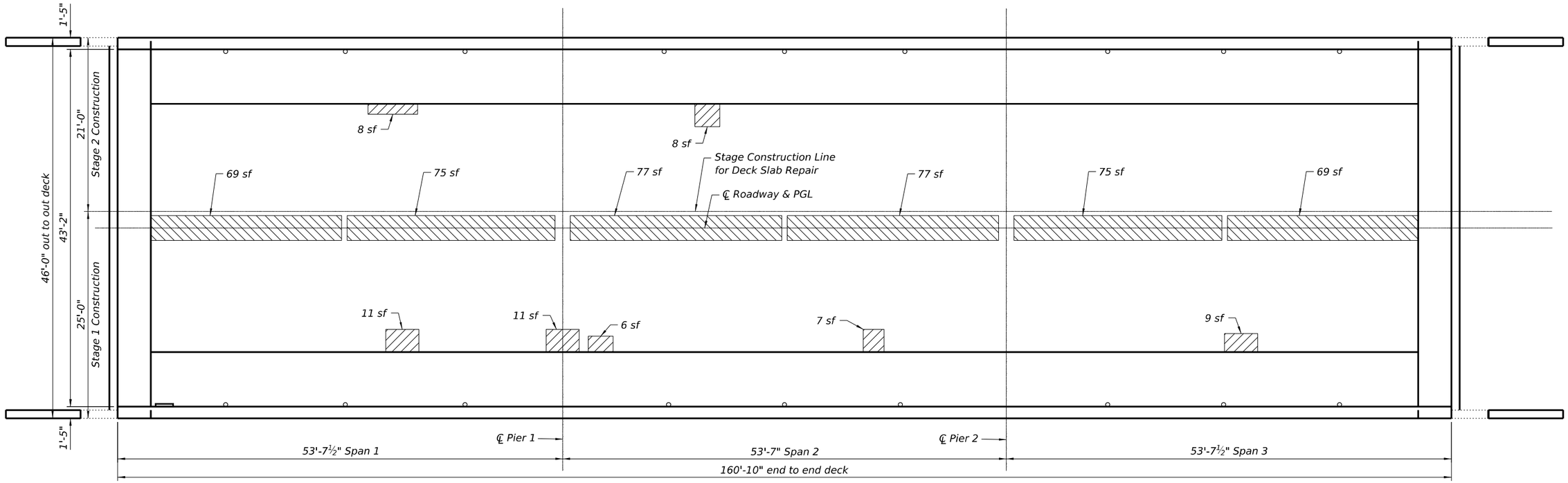

TOP OF DECK PLAN

N

Notes:
Areas of deck repairs shown are estimated. The Engineer shall show actual location and size of deck repairs on As-built Plans.

LEGEND

Deck Slab Repair (Partial)

Deck Slab Repair (Full Depth, Type I)

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Partial)	Sq. Yd.	7
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	50

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DECK REPAIRS
STRUCTURE NUMBER 032-0025
SHEET 5 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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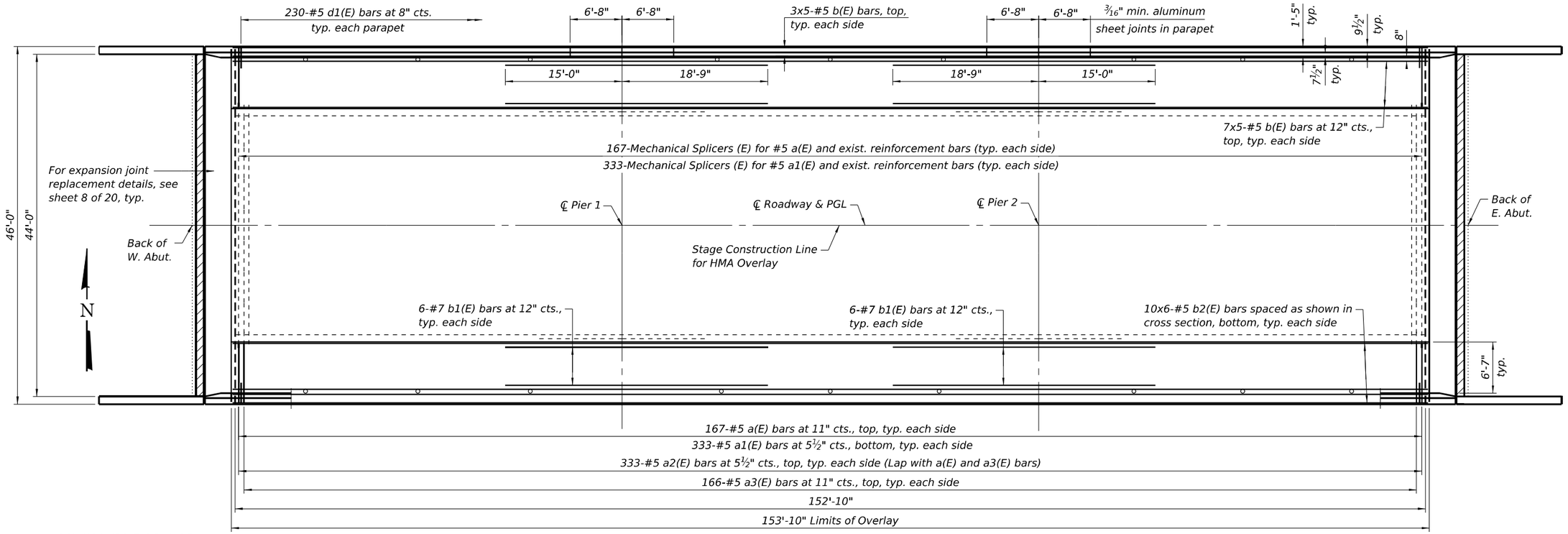
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



DECK PLAN

MINIMUM BAR LAP

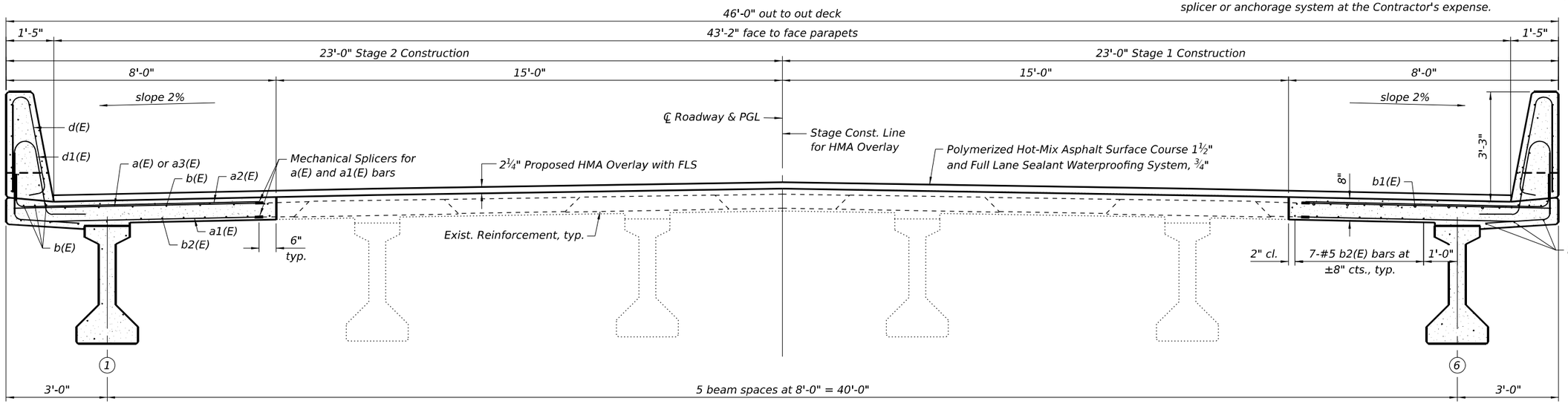
#5 bar = 3'-10"

Notes:

See sheet 8 of 22 for superstructure details and Bill of Material.

Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the Contractor's expense.



NEAR MIDSPAN

CROSS SECTION

(Looking East)

NEAR PIER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NUMBER 032-0025

SHEET 6 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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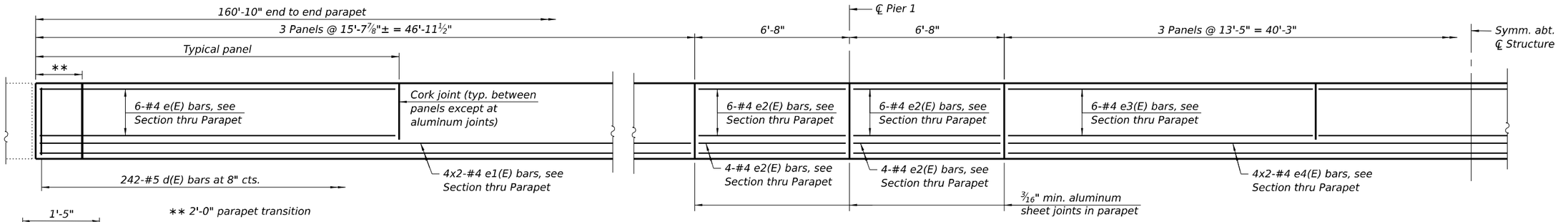
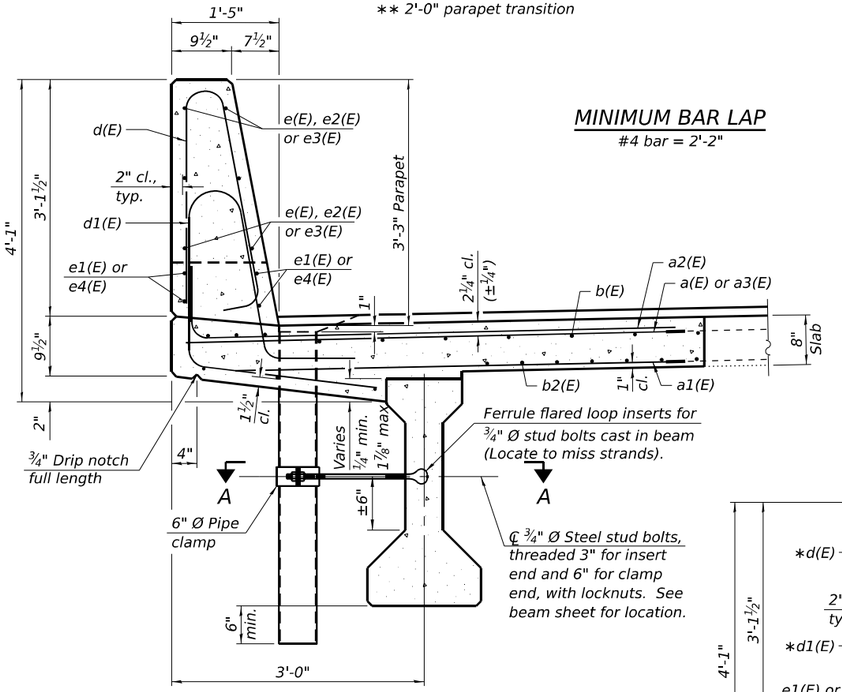
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



INSIDE ELEVATION OF PARAPET

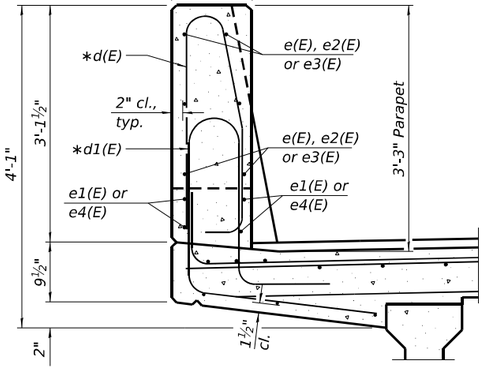


MINIMUM BAR LAP

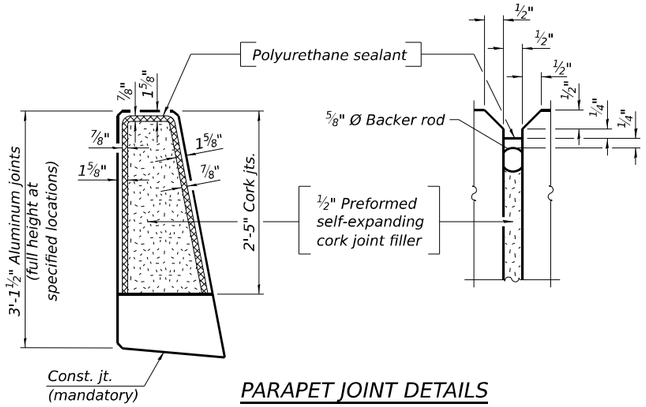
#4 bar = 2'-2"

SECTION THRU PARAPET

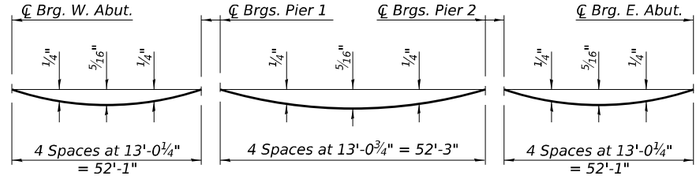
∗ Bend d(E) and d1(E) bars in field



SECTION THRU PARAPET AT ENDS

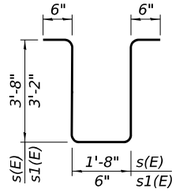


PARAPET JOINT DETAILS

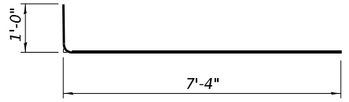


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams for fillet adjustment).



BAR s(E) & s1(E)



BAR a2(E)

Notes:

Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.

The top portion of aluminum floor drains shall be coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete.

The clamping device and inserts shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.

The 3/16" minimum aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

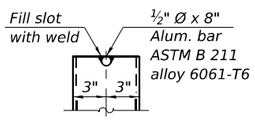
Bar terminators, paid for separately. See Total Bill of Material.

See Sheet 9 of 20 for expansion joint replacement details.

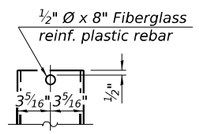
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	334	#5	7'-4"	
a1(E)	666	#5	7'-0"	
a2(E)	666	#5	8'-4"	
a3(E)	332	#5	7'-8"	
b(E)	100	#5	33'-8"	
b1(E)	24	#7	33'-9"	
b2(E)	120	#5	28'-8"	
d(E)	484	#5	6'-5"	
d1(E)	460	#5	8'-4"	
e(E)	72	#4	15'-4"	
e1(E)	32	#4	24'-5"	
e2(E)	80	#4	6'-4"	
e3(E)	36	#4	13'-1"	
e4(E)	16	#4	21'-1"	
m(E)	8	#6	3'-9"	
m1(E)	16	#4	4'-5"	
m2(E)	24	#4	3'-9"	
s(E)	20	#4	10'-0"	
s1(E)	30	#4	7'-10"	
Reinforcement Bars, Epoxy Coated			Lbs.	34,430
Concrete Superstructure			Cu. Yds.	113.1

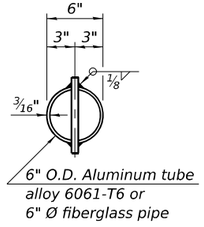
Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

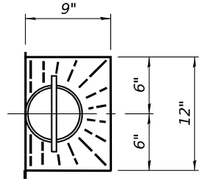


FIBERGLASS PIPE

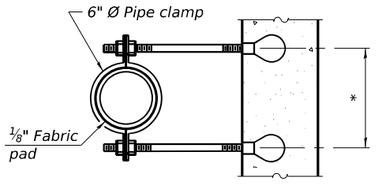


TOP PLAN

(Showing aluminum tube)

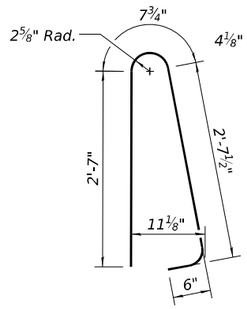


TOP PLAN

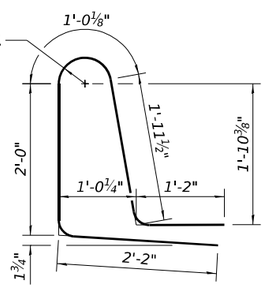


SECTION A-A

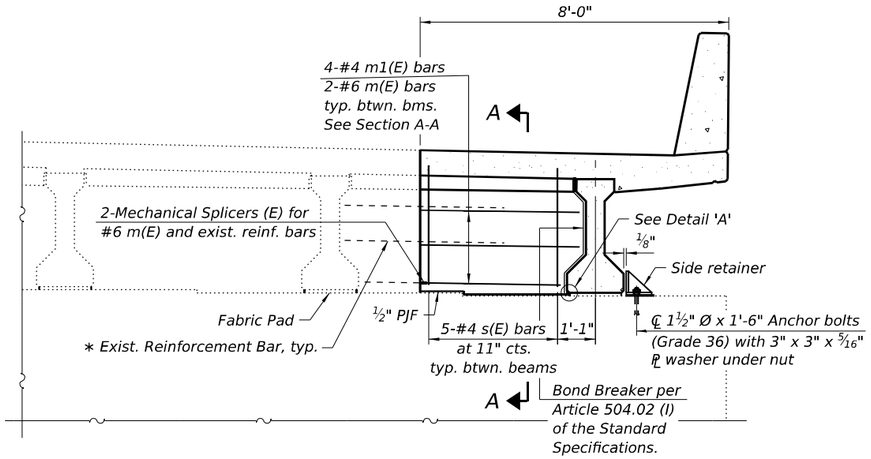
*Dimension as required by pipe clamp



BAR d(E)

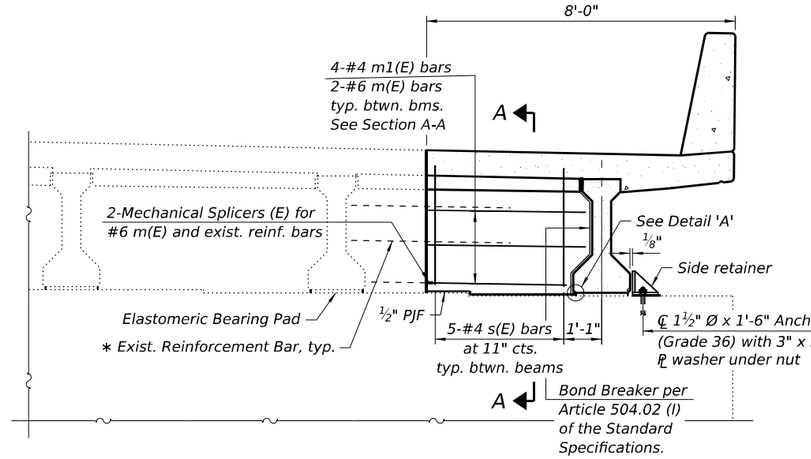


BAR d1(E)



DIAPHRAGM AT PIER 1

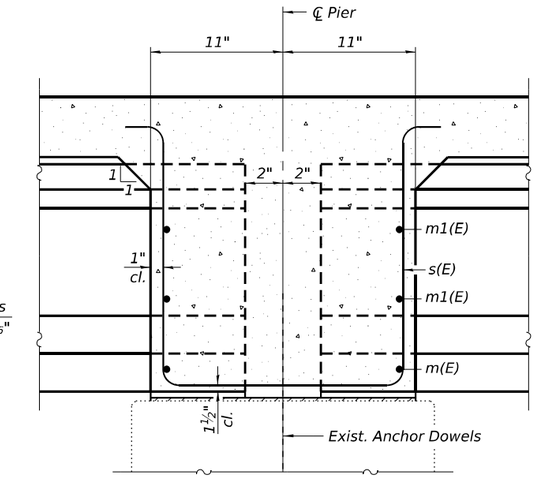
(2 locations)



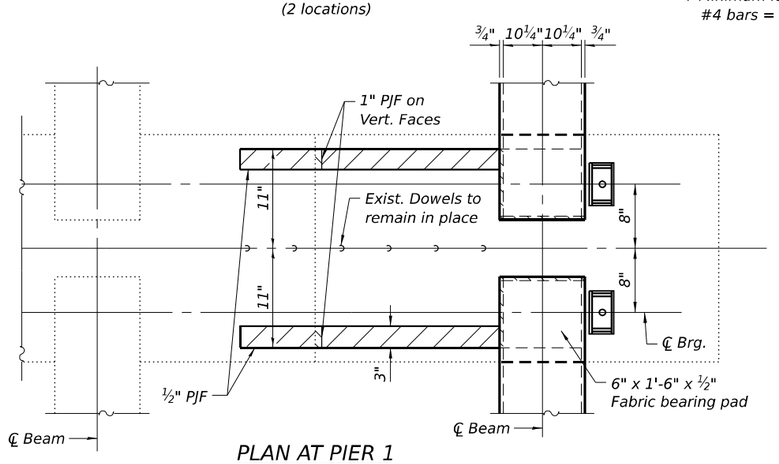
DIAPHRAGM AT PIER 2

(2 locations)

∗ *Minimum length to remain:*
#4 bars = 1'-7"

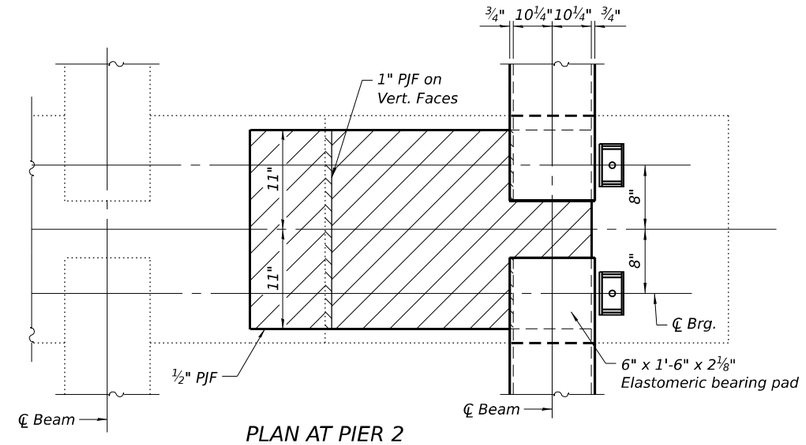


SECTION A-A



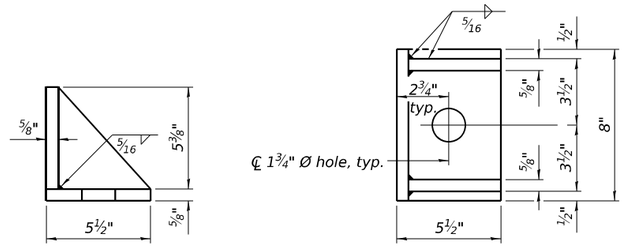
PLAN AT PIER 1

(Showing bearing pads and PJF details)



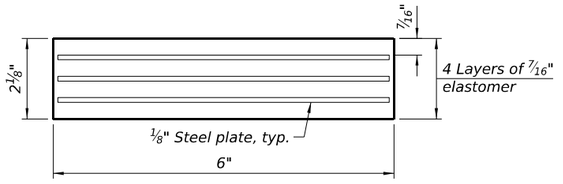
PLAN AT PIER 2

(Showing bearing pads and PJF details)

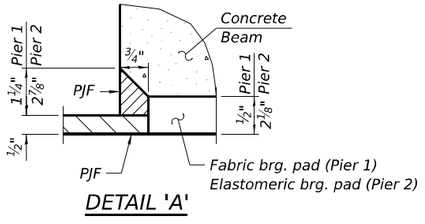


SIDE RETAINER

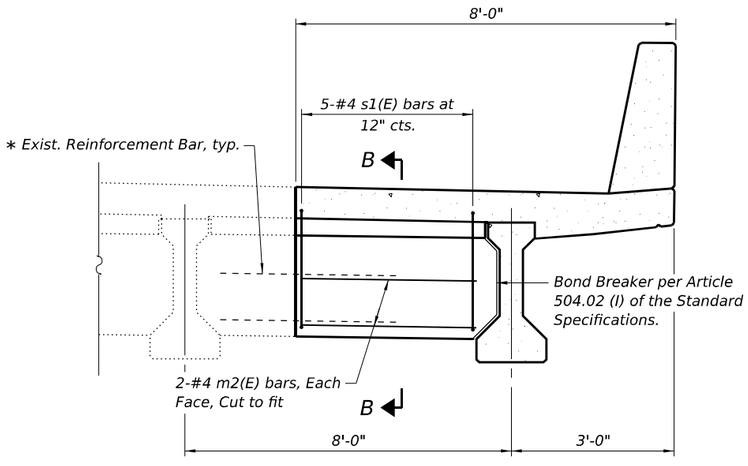
(2 required each side of pier).
Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.



ELASTOMERIC BEARING DETAIL

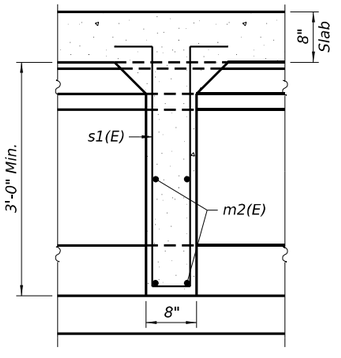


DETAIL 'A'



INTERIOR DIAPHRAGM

(6 locations)



SECTION B-B

Notes:

See sheet 6 of 20 for superstructure details and Bill of Material.

Anchor bolts and side retainers shall be installed in drilled holes according to Article 521.06 of the Standard Specifications. Side retainers shall be hot dip galvanized.

Anchor bolts and side retainers shall be installed as each exterior beam is erected unless an equivalent temporary means of lateral restraint is used.

Cost of side retainers, anchor bolts, and elastomeric and fabric bearing pads shall be included with Furnishing and Erecting 42" PPC I-Beams.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the Contractor's expense.

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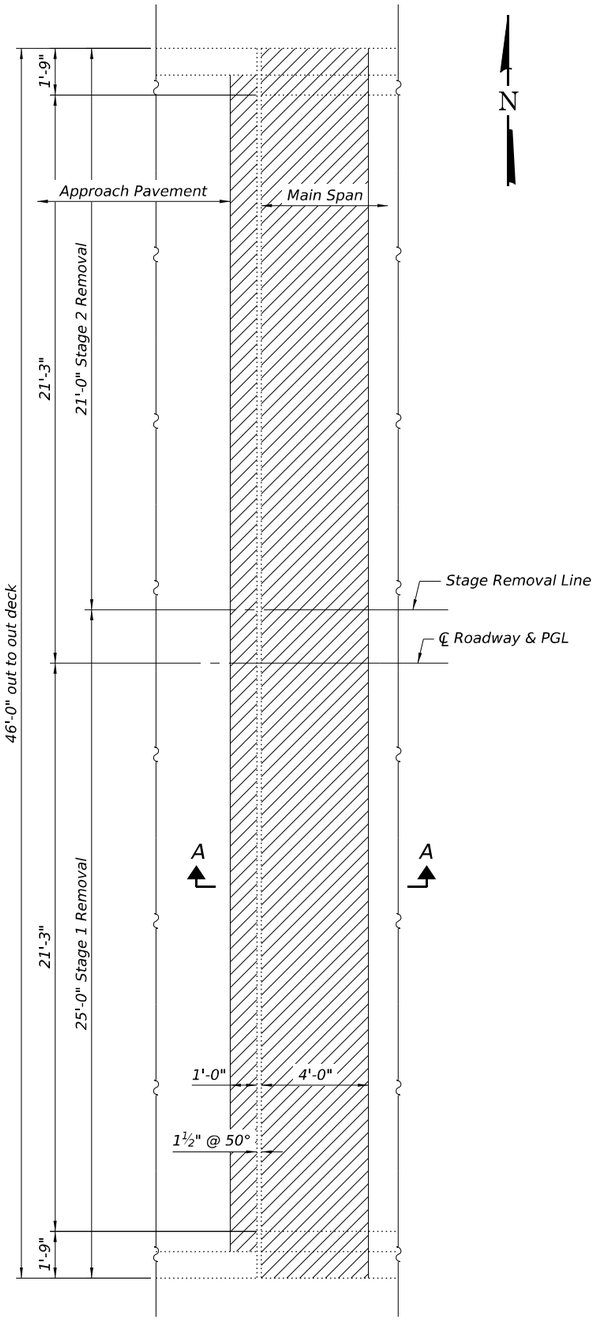
USER NAME = $USER$	DESIGNED - KRH	REVISED -	
	CHECKED - ACB	REVISED -	
PLOT SCALE =	DRAWN - KRH	REVISED -	
PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

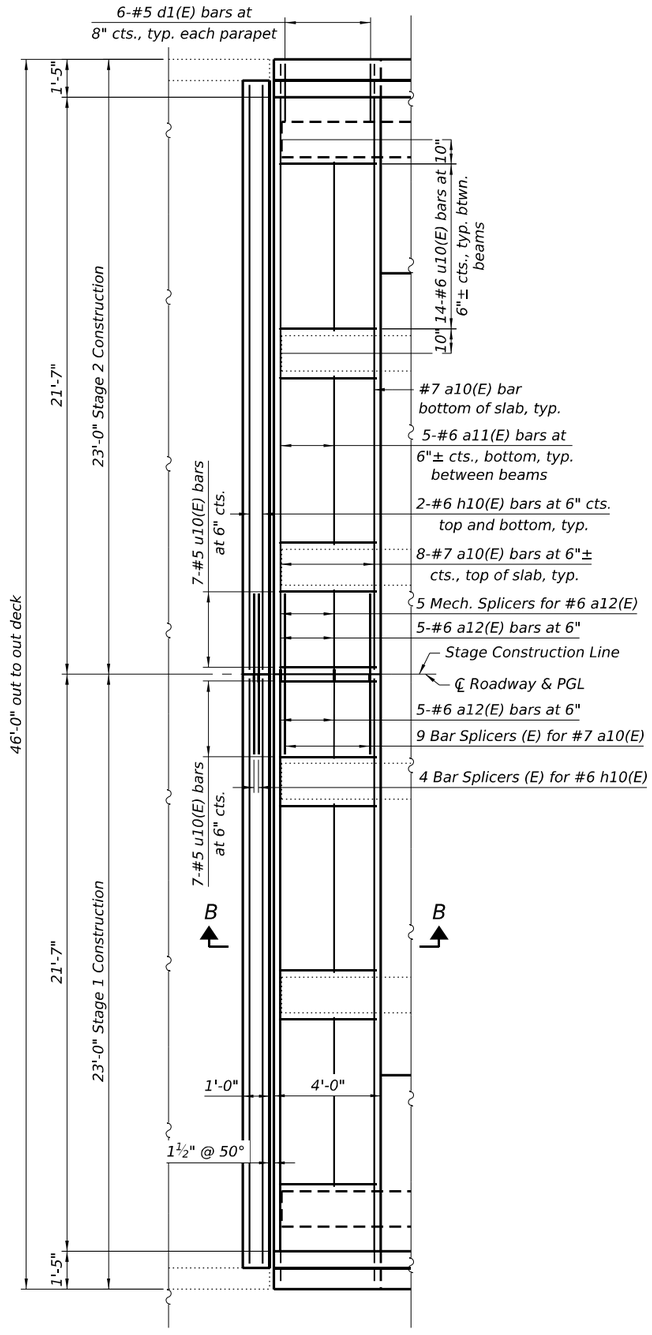
DIAPHRAGM DETAILS
STRUCTURE NUMBER 032-0025
SHEET 8 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	32
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



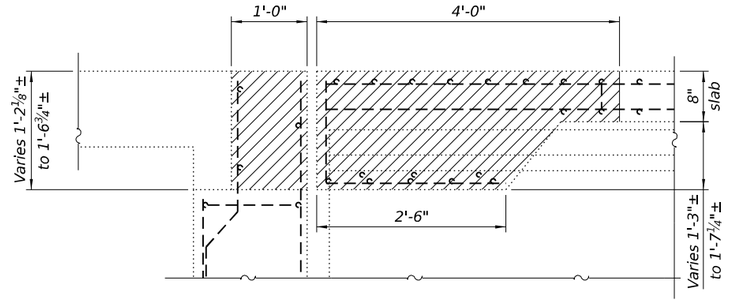
REMOVAL PLAN

(West expansion joint shown, east expansion joint similar)

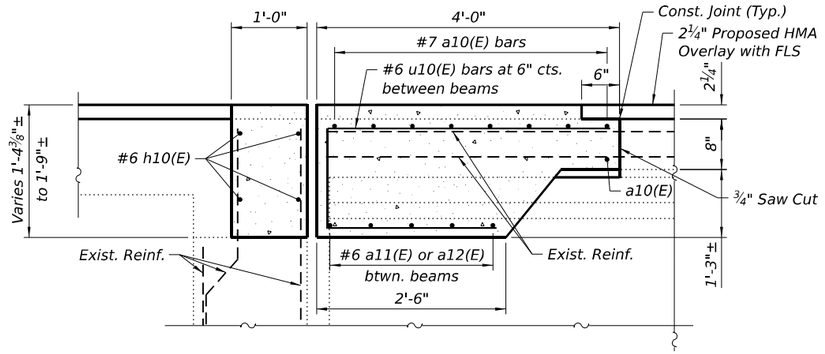


REPLACEMENT PLAN

(West expansion joint shown, east expansion joint similar)



SECTION A-A



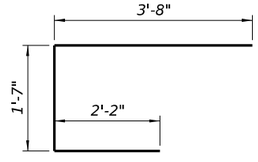
SECTION B-B

Notes:

Hatched areas indicate limits of Concrete Removal.

For details of parapets at expansion joints, see Sheet 10 of 20.

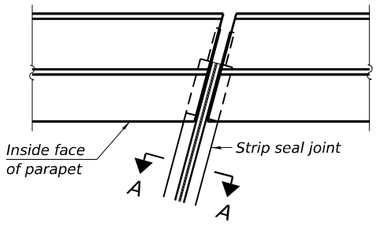
Parapet quantities not included with Concrete Removal or Concrete Superstructure quantities on this sheet.



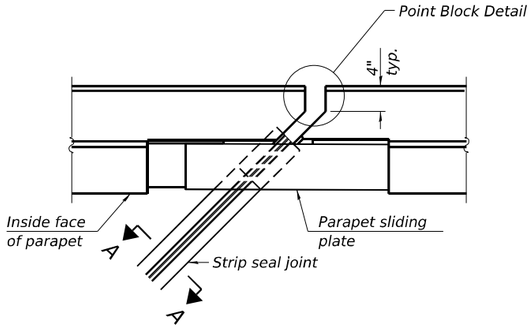
BAR u10(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	36	#7	22'-8"	
a11(E)	40	#6	7'-2"	
a12(E)	20	#6	3'-5"	
d1(E)	24	#5	8'-4"	
h10(E)	16	#6	21'-8"	
u10(E)	140	#6	7'-5"	
Concrete Removal		Cu. Yd.	26.6	
Reinforcement Bars, Epoxy Coated		Pound	4,490	
Concrete Superstructure		Cu. Yd.	24.5	

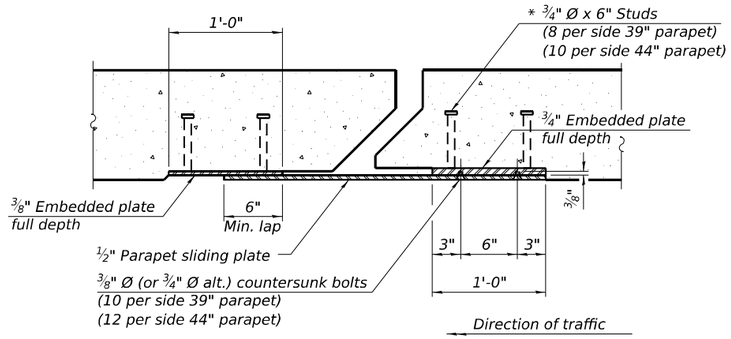


FOR SKEWS ≤ 30°



FOR SKEWS > 30°

PLAN AT PARAPET



SECTION B-B

(¾" Ø countersunk bolts extending into concrete shall have hex nuts tack welded to the back of the embedded plates with end caps provided.)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

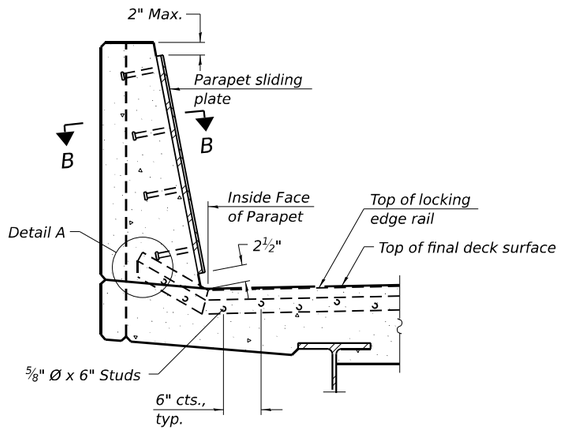
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

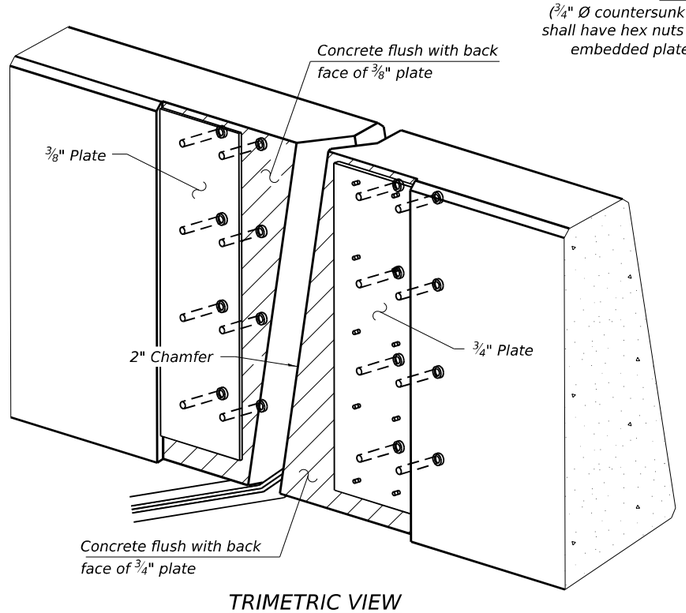
39" constant slope barrier shown, 44" constant slope barrier similar as noted.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



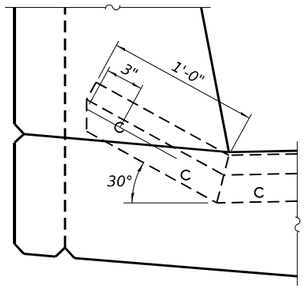
SECTION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



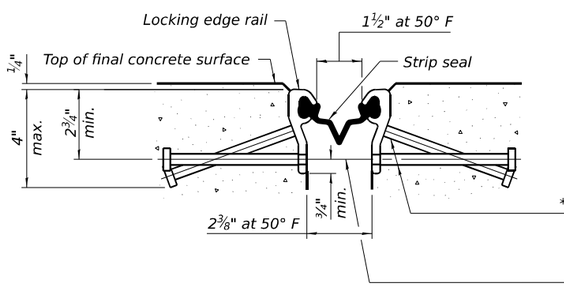
TRIMETRIC VIEW

(Showing embedded plates only)

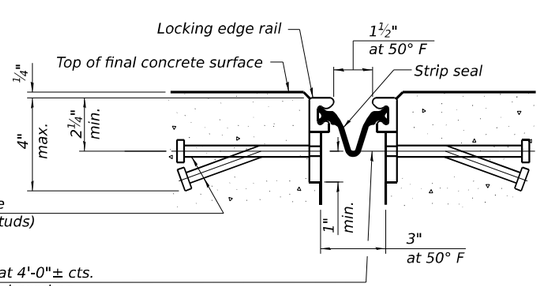


DETAIL A

(Kick-up at parapet locations shown. See sheet 5 of 20 for kick-up at curb locations.)



SHOWING ROLLED RAIL JOINT



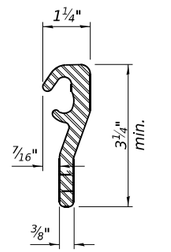
SHOWING WELDED RAIL JOINT

* ⅝" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

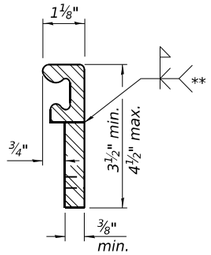
⅜" Ø threaded rods in 7/16" Ø holes at 4'-0"± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

** Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.*



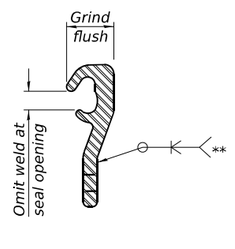
ROLLED
(EXTRUDED) RAIL



WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	92

EJ-SS

4-4-2025

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USER NAME =	$USER$	DESIGNED -	KRH	REVISED -	
		CHECKED -	ACB	REVISED -	
PLOT SCALE =		DRAWN -	KRH	REVISED -	
PLOT DATE =	3/6/2026	CHECKED -	ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NUMBER 032-0025
SHEET 10 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	34
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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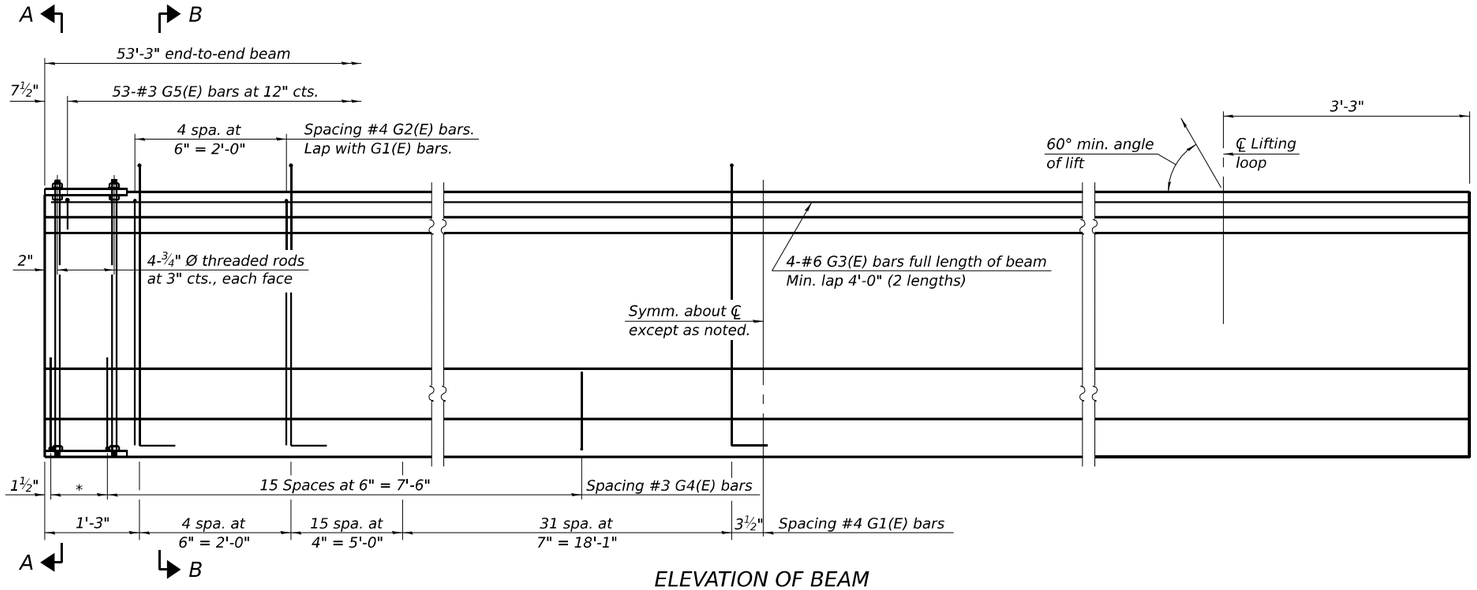
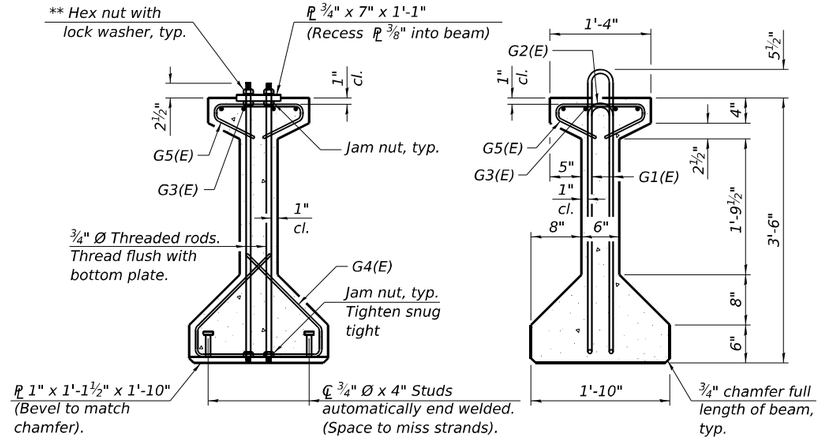
3/6/2026 12:40:53 PM



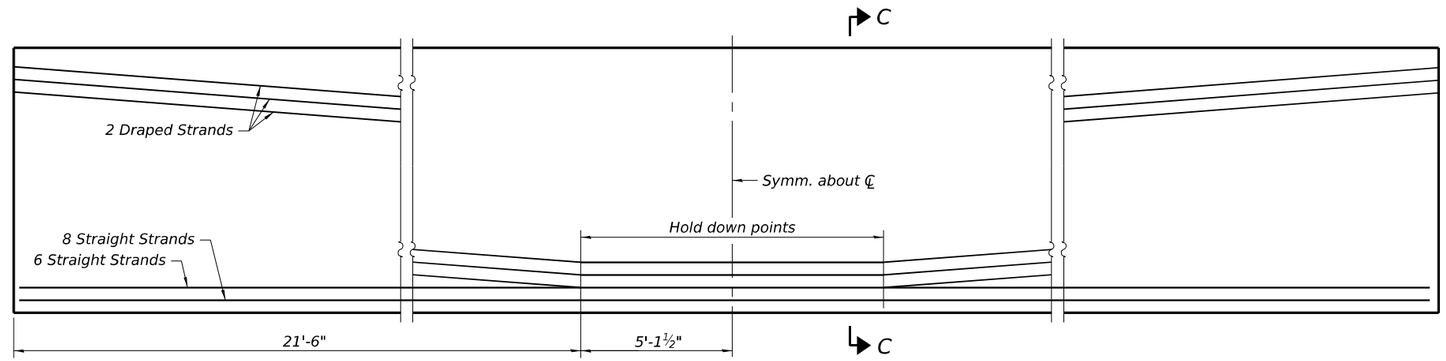
*3 spaces at 3" = 9"

ELEVATION OF BEAM
(Showing reinforcement & dimensions)

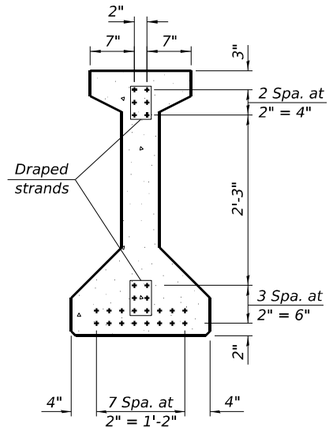


SECTION A-A
** Only tighten sufficiently to compress lock washers

SECTION B-B



ELEVATION OF BEAM
(Showing prestressing steel)



SECTION C-C
(20-½" Ø 270 ksi strands)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
G1(E)	104	#4	8'-7"	
G2(E)	10	#4	6'-8"	
G3(E)	8	#6	30'-6"	
G4(E)	38	#3	4'-11"	
G5(E)	53	#3	2'-6"	

Notes:
See sheet 11 of 20 for additional details and Bill of Material.

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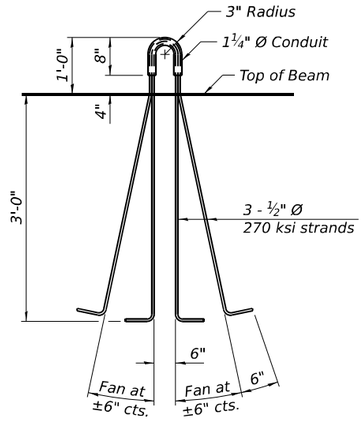
USER NAME = $USER$	DESIGNED - KRH	REVISED -	
	CHECKED - ACB	REVISED -	
PLOT SCALE =	DRAWN - KRH	REVISED -	
PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

42" PPC I-BEAM
STRUCTURE NUMBER 032-0025
SHEET 11 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	35
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



LIFTING LOOP DETAIL

NOTES

Inserts for ¾" Ø threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The beams shall have a final concrete compressive strength, f'c, of 6,000 psi and a release concrete compressive strength, f'ci, of 5,000 psi.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

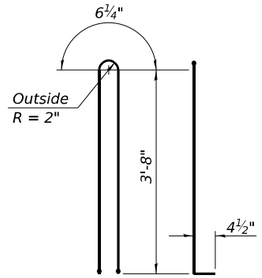
Tilt G6(E) bars when necessary to maintain 1½" clearance.

The top and bottom plates shall be AASHTO M270 Grade 50.

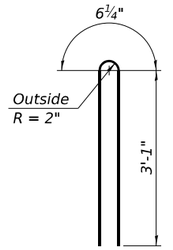
The top and bottom plates shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.

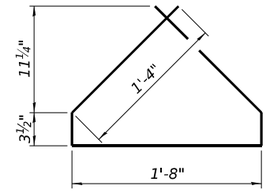
The G6(E) bar assembly shall develop, in tension, at least 125 percent of the yield strength of a grade 60 reinforcement bar times the nominal cross-sectional area of a #8 bar. The assembly shall allow completion of the splice without turning of the hook bar. The hook bar shall be threaded such that the entire coupler can be threaded onto the hook bar.



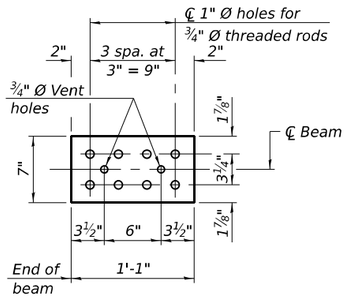
BAR G1(E)



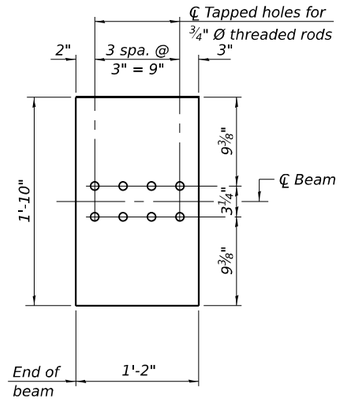
BAR G2(E)



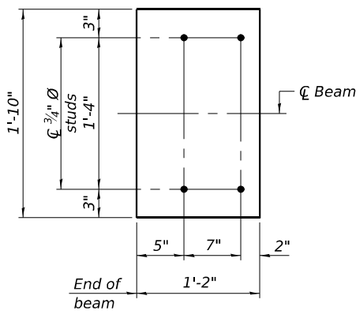
BAR G4(E)



TOP PLATE

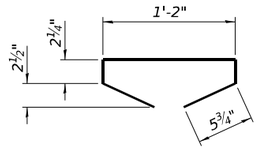


BOTTOM PLATE
(Showing threaded rods)



BOTTOM PLATE
(Showing studs)

See bearing details for pintle hole locations when required.



BAR G5(E)

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42"	Ft.	320

MODEL: Default
FILE NAME: D:\2022R3\IDOTCAD CONNECT\25051.01 IDOT D3 PTB 214-032 WO 01 US 6 over Aux Sable Creek\CADD Data\Structures\Platsheets\032002

EFK•Moen Civil Engineering Design	USER NAME = $USER$	DESIGNED - KRH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	42" PPC I-BEAM DETAILS STRUCTURE NUMBER 032-0025	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - ACB	REVISED -			392	(G-BR)BR-1	GRUNDY	56	36
	PLOT SCALE =	DRAWN - KRH	REVISED -					CONTRACT NO. 66N58		
	PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -		SHEET 12 OF 20 SHEETS		ILLINOIS	FED. AID PROJECT		

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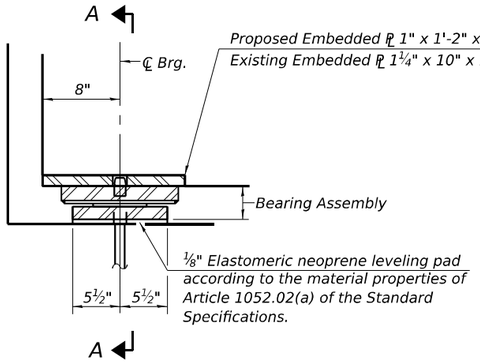
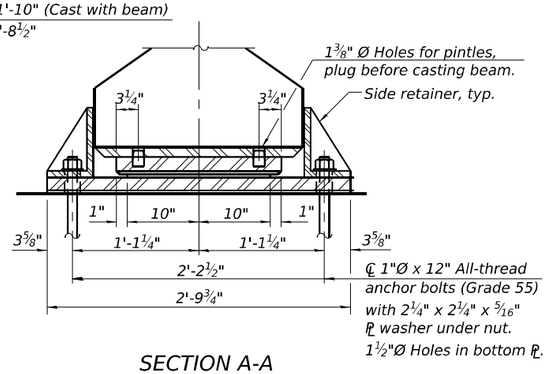
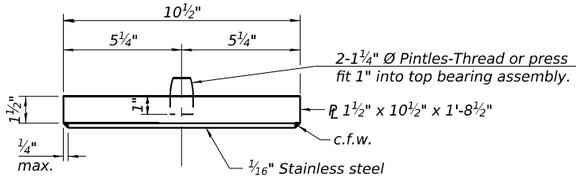


ELEVATION AT ABUT.

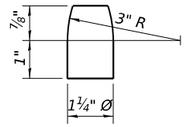


SECTION A-A

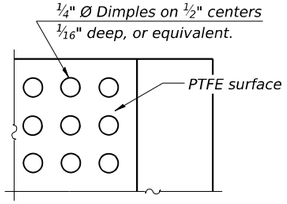
TYPE II ELASTOMERIC EXP. BRG.



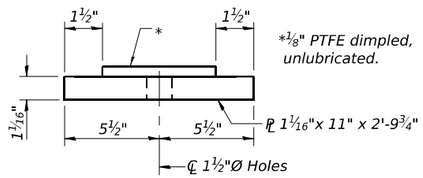
TOP BEARING ASSEMBLY



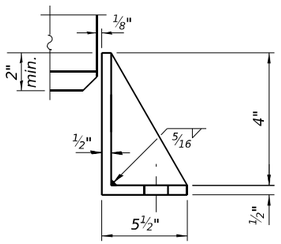
PINTLE

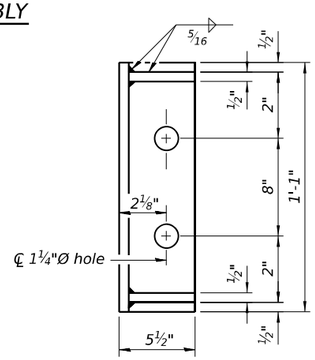


PLAN-PTFE SURFACE



BOTTOM BEARING ASSEMBLY





SIDE RETAINER

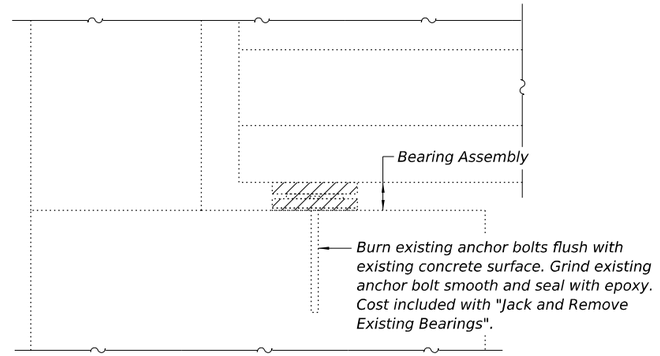
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BELOW 50°F. ABOVE 50°F.

D=⅛" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

EXPANSION BEARING ORIENTATION

The above diagrams are for informational purposes only to show the amount of expected offset "D" for the current temperature in the field.



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BEAM REACTIONS

R_{DL}	(K)	32.5
R_{LL}	(K)	57.8
Imp.	(K)	15.0
R (Total)	(K)	105.3

Notes:

Min. jack capacity = 100 Tons.

Side retainers and leveling pads shall be included in the cost of Elastomeric Bearing Assembly, Type II.

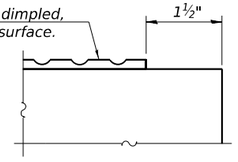
The ⅛" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ⅛" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

See sheet 11 of 20 for additional details of embedded plate.

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

All exposed bearing plates and side retainers shall be hot dipped galvanized according to AASHTO M111.



SECTION THRU PTFE

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	12
Anchor Bolts, 1"	Each	24

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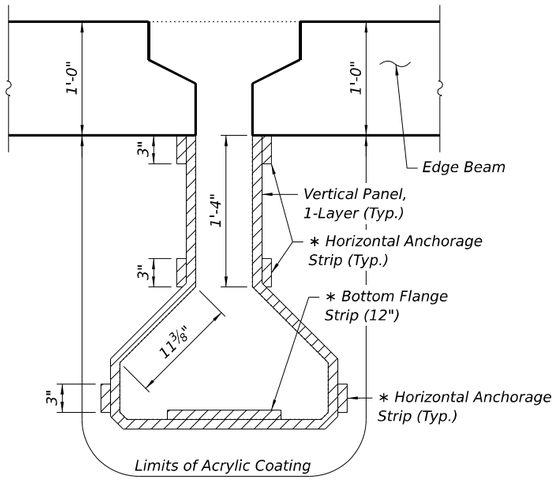
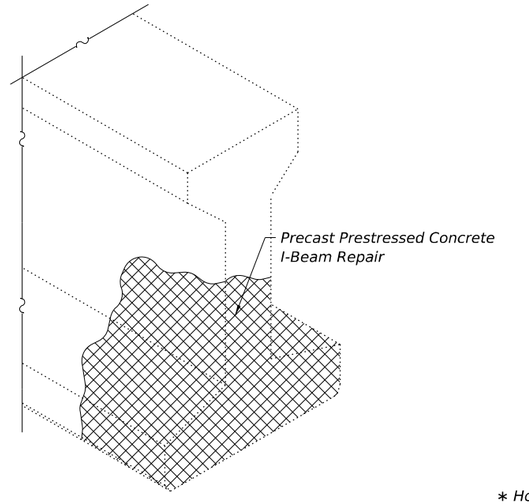
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NUMBER 032-0025
SHEET 13 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	37
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

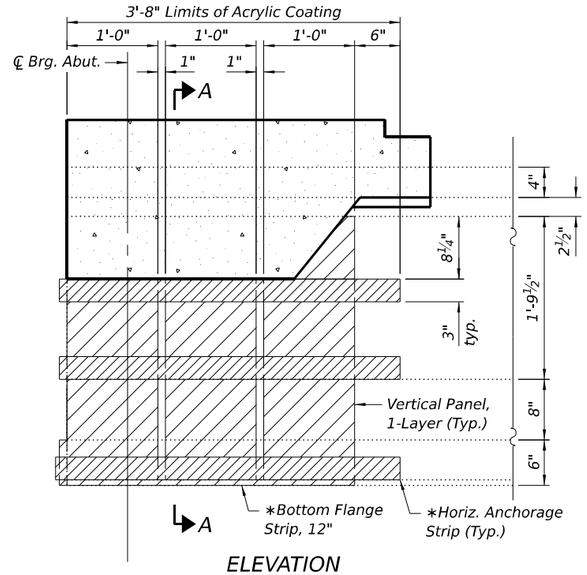


SECTION A-A



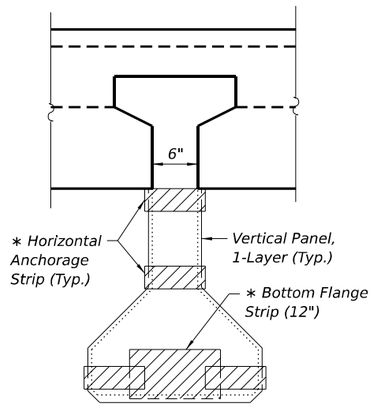
TYPICAL DAMAGE AT BEAM ENDS

(8 Beam End Locations)
9.1 sq. ft. per location, 73 sq. ft. Total
(4 existing beams on each abutment end)



ELEVATION

∗ Horizontal Anchorage Strips and Bottom Flange Strip to extend 6" beyond end of beam and wrap onto beam end.



FRP TREATMENT AT END OF BEAM

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.

The Contractor shall use extreme care during concrete removal to avoid damage to the PPC I-Beams.

The existing concrete surface shall be cleaned and prepared in accordance with the Special Provisions.

See Special Provisions for "FRP Strengthening for PPC I-Beam Repairs".

See Special Provisions for "Precast Prestressed Concrete I-Beam Repair".

Acrylic coating shall be placed over Fiber Wrap repairs. Two coats shall be applied.

LEGEND

- P.P.C. I-Beam Repair
- Fiber Wrap Repair (Layer 1)
- Fiber Wrap Repair (Layer 2)

BILL OF MATERIAL

Item	Unit	Total
Fiber Wrap	Sq. Ft.	232
Acrylic Coating	Sq. Yd.	26
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	73

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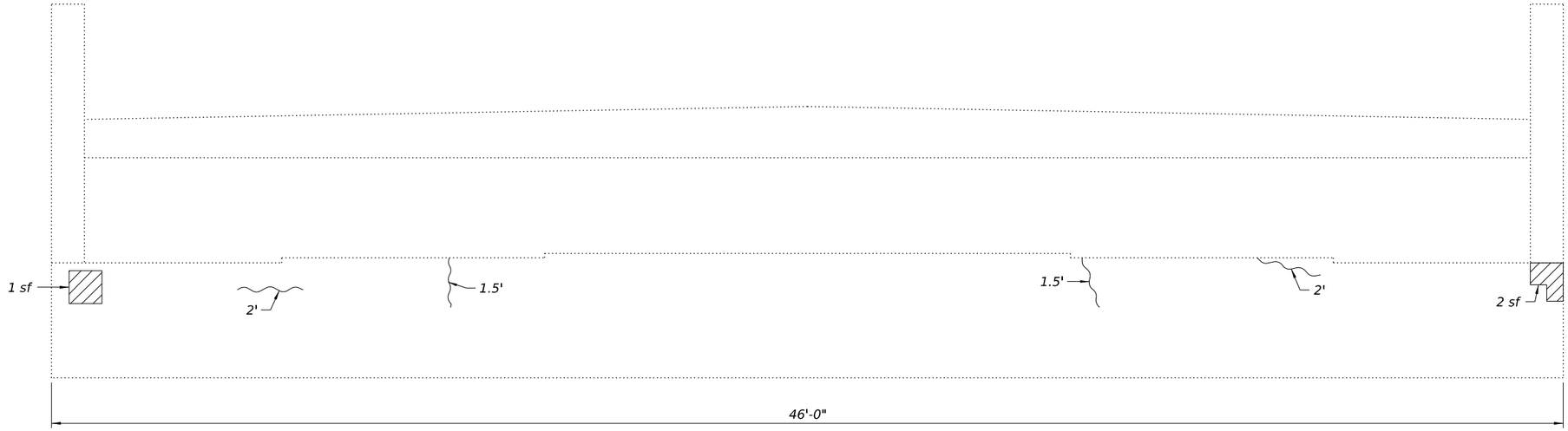
DEPARTMENT OF TRANSPORTATION

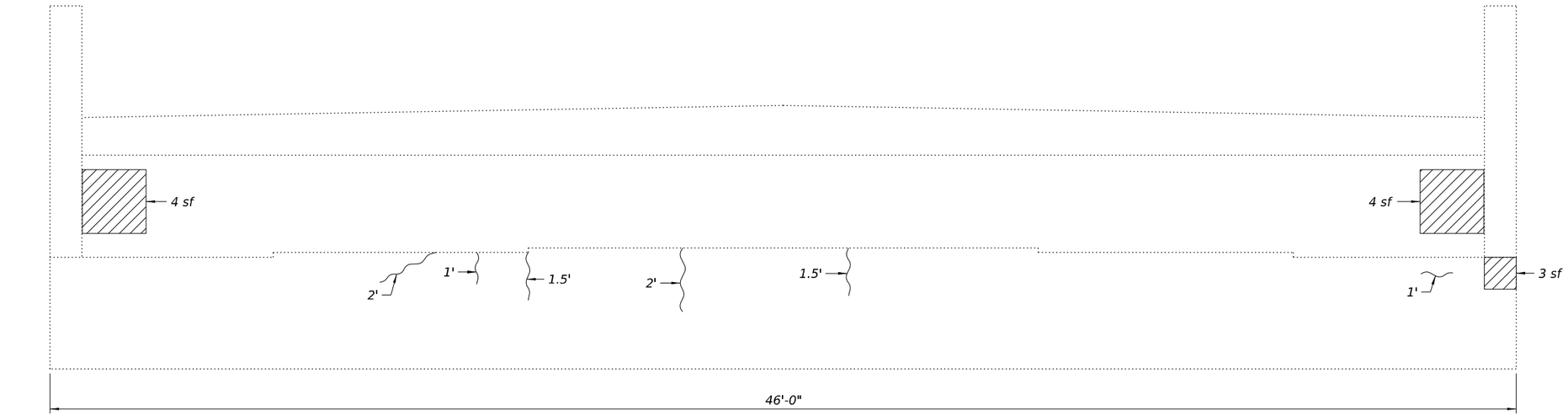
BEAM REPAIRS
STRUCTURE NUMBER 032-0025
SHEET 14 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	38
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



WEST ABUTMENT ELEVATION

(Looking West)



EAST ABUTMENT ELEVATION

(Looking East)

LEGEND

Structural Repair of Concrete (Depth Equal to or Less Than 5")

x' Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	14.0
Epoxy Crack Injection	Foot	16

MODEL: Default
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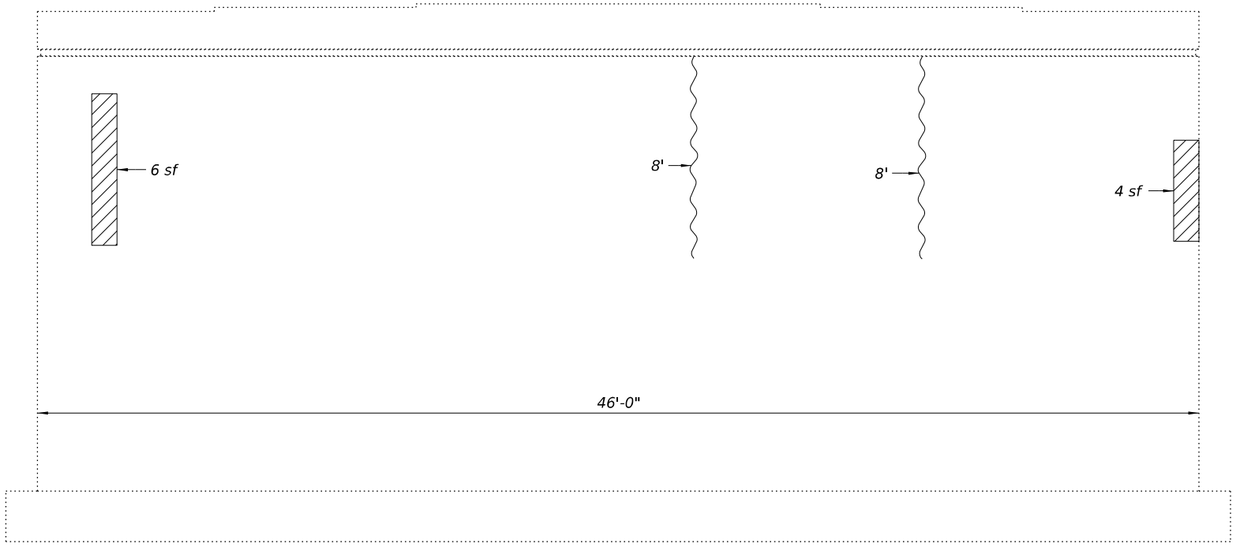
DEPARTMENT OF TRANSPORTATION

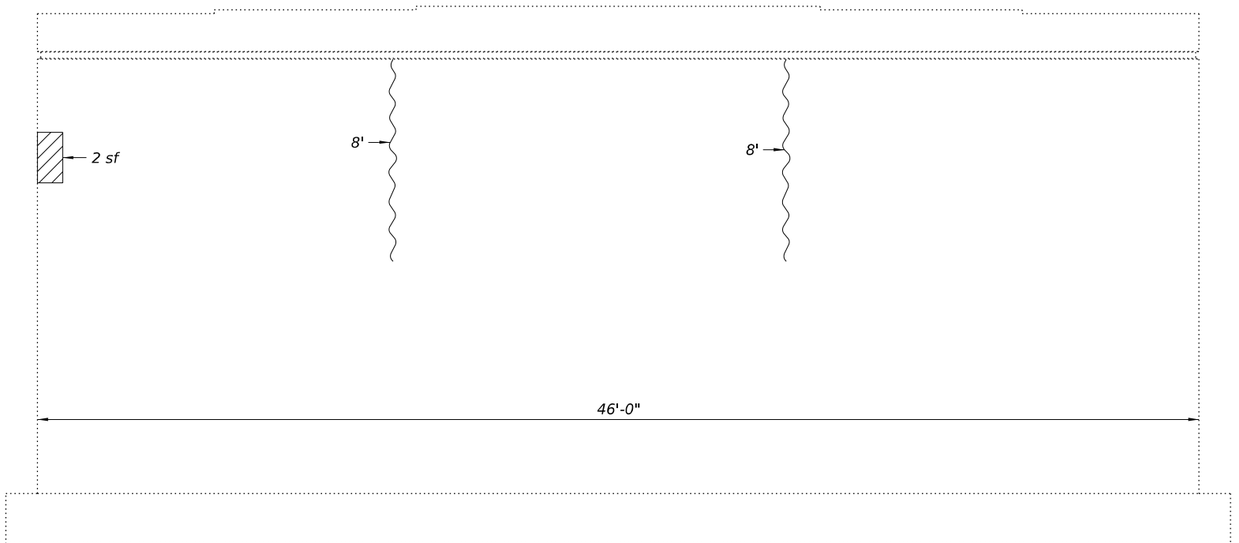
ABUTMENT REPAIRS
STRUCTURE NUMBER 032-0025

SHEET 15 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	39
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



PIER 1 ELEVATION
(Looking East)



PIER 1 ELEVATION
(Looking West)

LEGEND

Structural Repair of Concrete (Depth Equal to or Less Than 5")

x' Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	12.0
Epoxy Crack Injection	Foot	32

MODEL: Default
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PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -	

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PIER 1 REPAIRS
STRUCTURE NUMBER 032-0025
SHEET 16 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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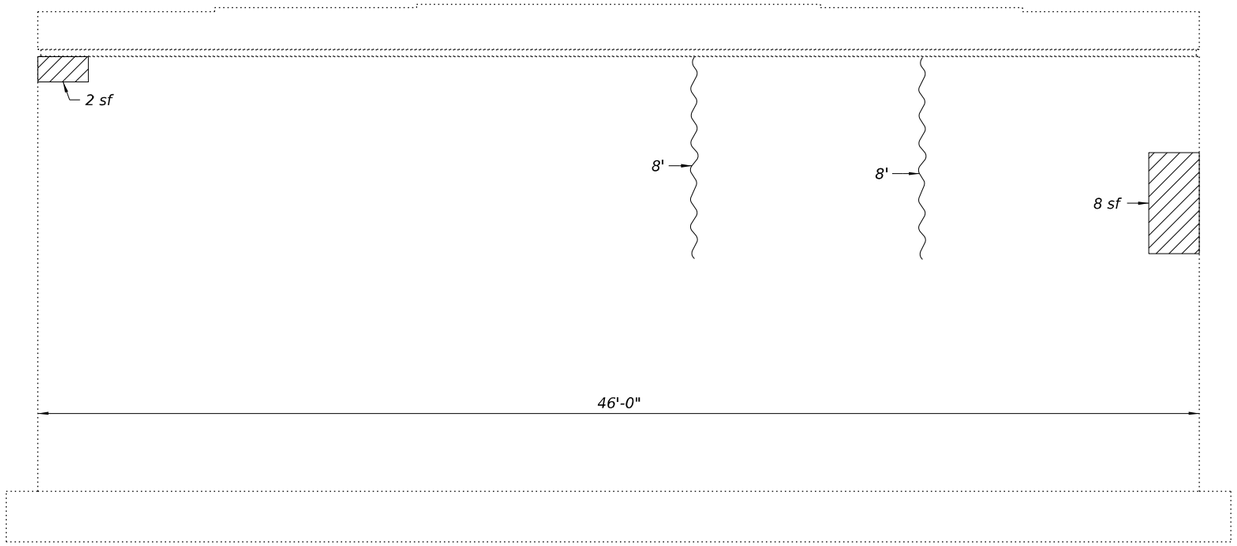
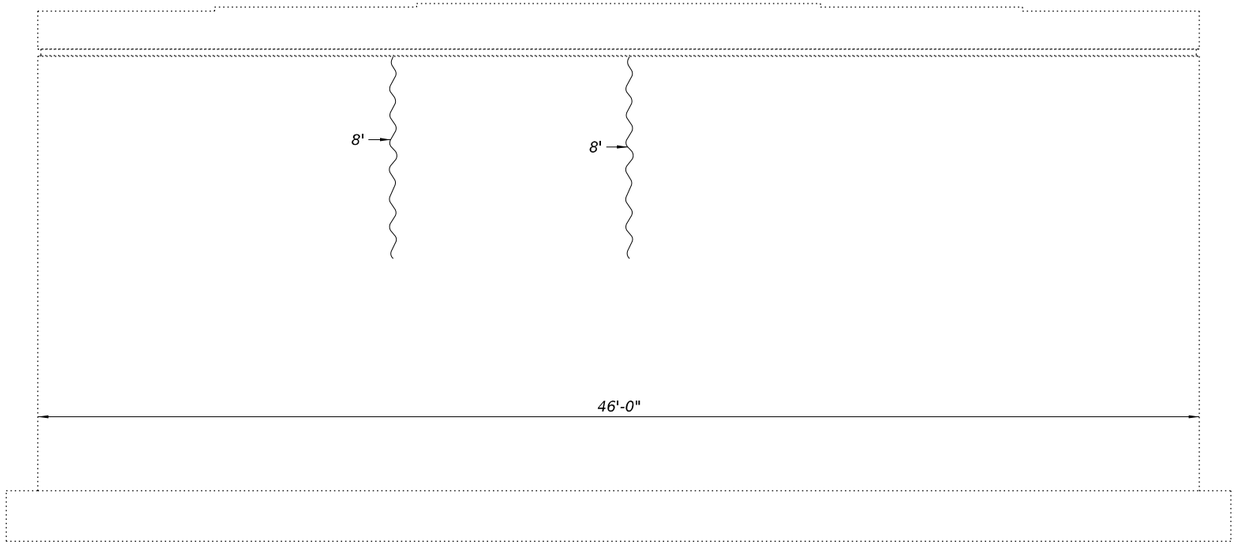
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



PIER 2 ELEVATION

(Looking East)



PIER 2 ELEVATION

(Looking West)

LEGEND

Structural Repair of Concrete (Depth Equal to or Less Than 5")

x' Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	10.0
Epoxy Crack Injection	Foot	32

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PIER 2 REPAIRS
STRUCTURE NUMBER 032-0025

SHEET 17 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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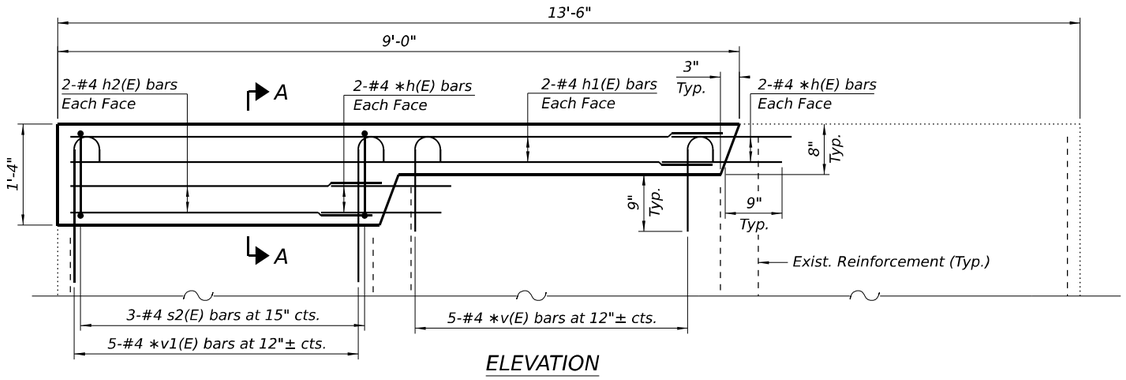
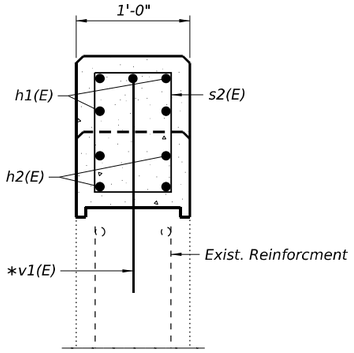
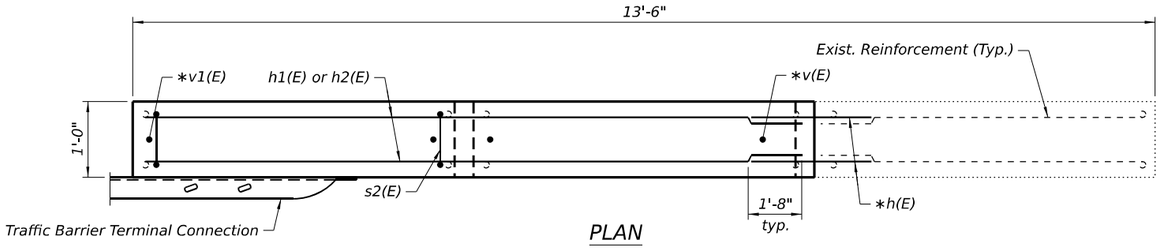
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



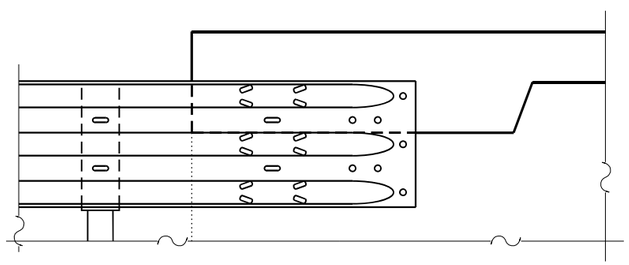
ELEVATION



SEC A-A

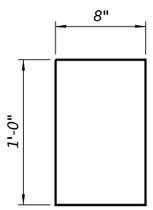


PLAN

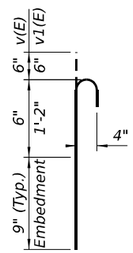


TRAFFIC BARRIER TERMINAL LOCATION

∗Epoxy grout h(E), v(E) and v1(E) bars in 9" min. holes according to Article 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.



BAR s2(E)



BAR v(E) & v1(E)

WINGWALL
BILL OF MATERIAL
(4 WINGS)

Bar	No.	Size	Length	Shape
h(E)	32	#4	3'-7"	
h1(E)	16	#4	8'-5"	
h2(E)	16	#4	3'-11"	
s2(E)	12	#4	3'-4"	
v(E)	20	#4	1'-9"	
v1(E)	20	#4	2'-5"	
Reinforcement Bars, Epoxy Coated			Lbs.	290
Concrete Superstructure			Cu. Yds.	1.3

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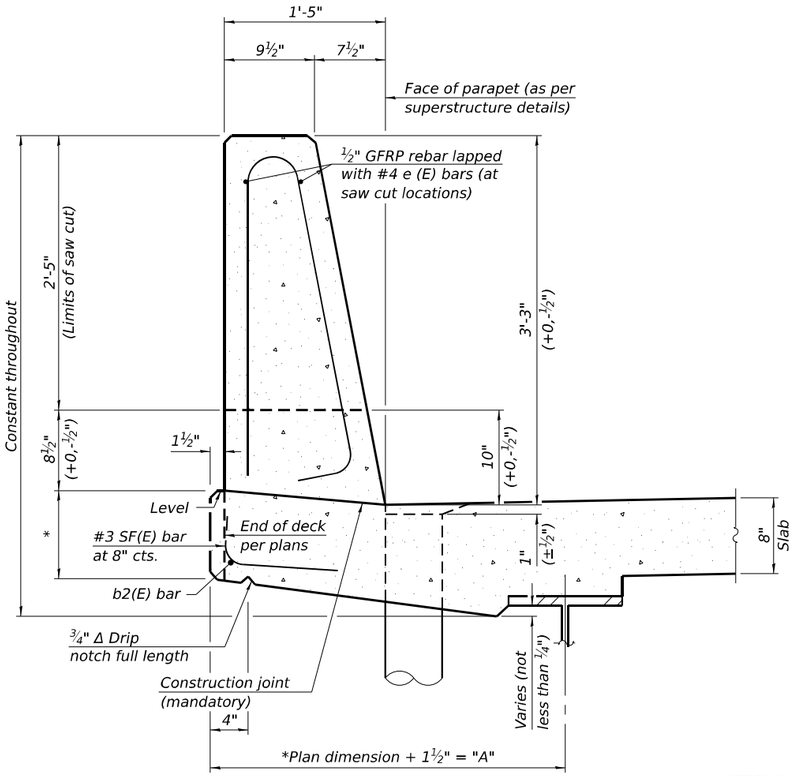
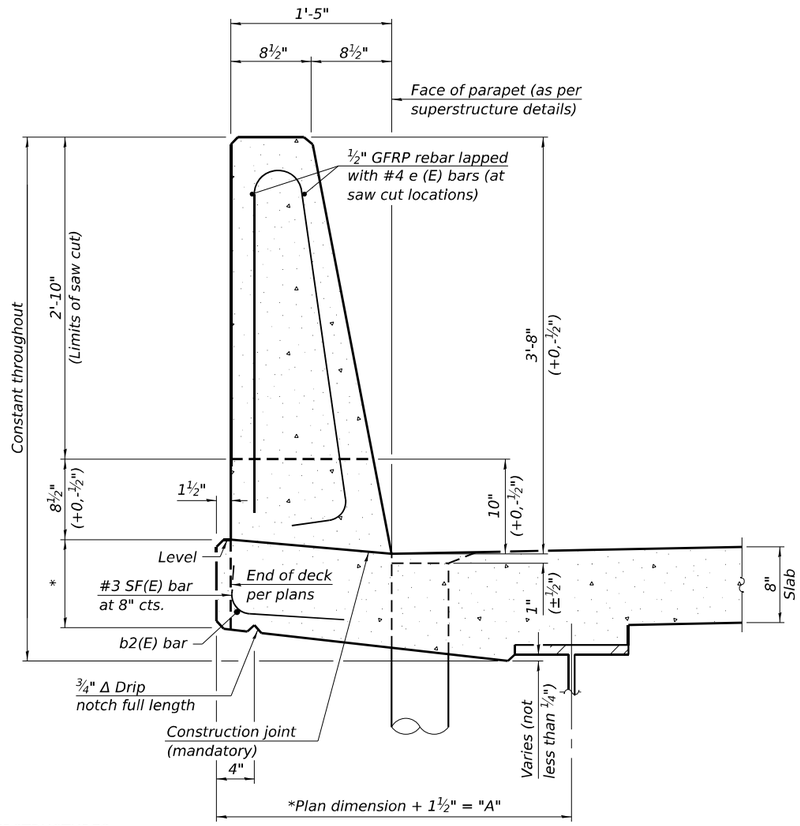
WINGWALL RECONFIGURATION
STRUCTURE NUMBER 032-0025
SHEET 18 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	42
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



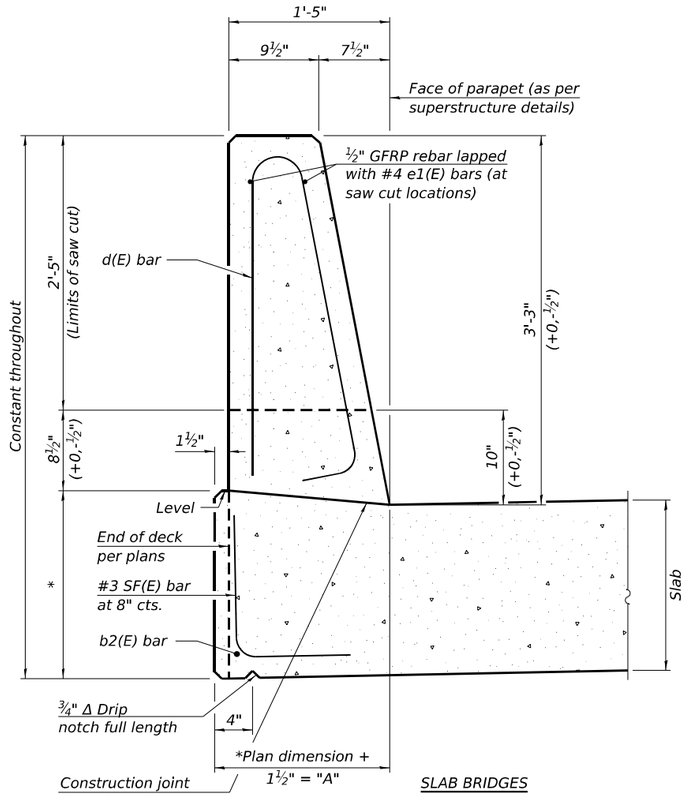
39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)



44" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)



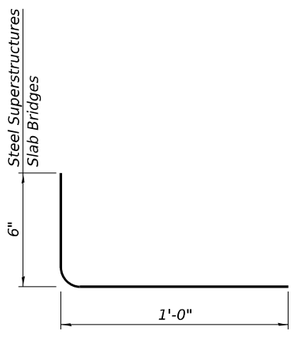
39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)

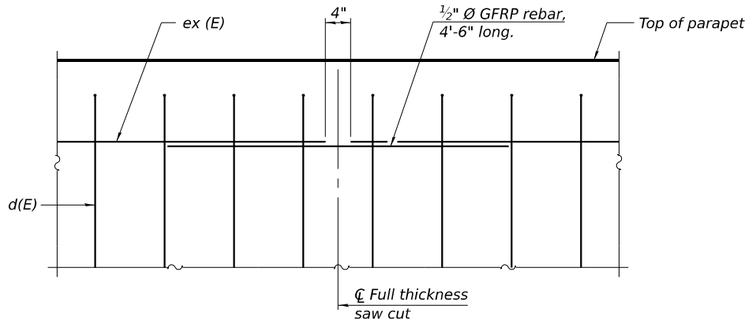
STEEL SUPERSTRUCTURES

SLAB BRIDGES

*See Superstructure Details.



SF(E) BAR



DETAIL - GFRP REBAR STIFFENING ELEVATION

(Place as shown in parapet section at each parapet joint location.)

Notes:

All dimensions shall remain the same as shown on superstructure details, except dimension "A" which is to be revised as shown.
Additional concrete needed to revise dimension "A" (39" and 44" parapets):
Steel Superstructures: 0.00348 cu. yds./ft.
Slab Bridge Superstructures: cu. yds./ft.
Place full depth aluminum sheets as shown on superstructure details.
Replace all cork joint filler locations with a full thickness saw cut.
Steel and slab superstructures shown. Other superstructure types similar.

SFP 39-44 10/27/2023

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PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NUMBER 032-0025

SHEET 19 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	43
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

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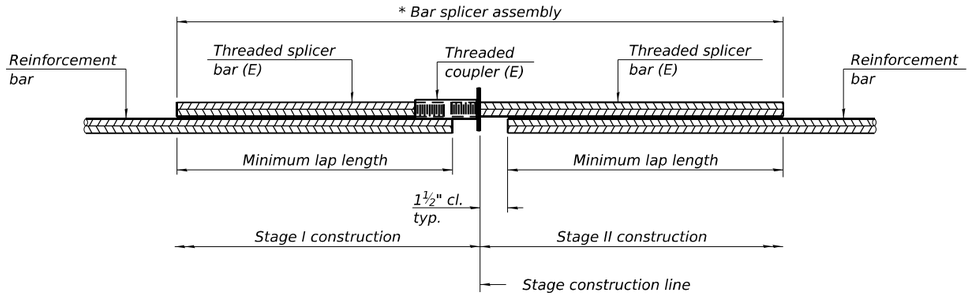
3/6/2026 12:41:05 PM



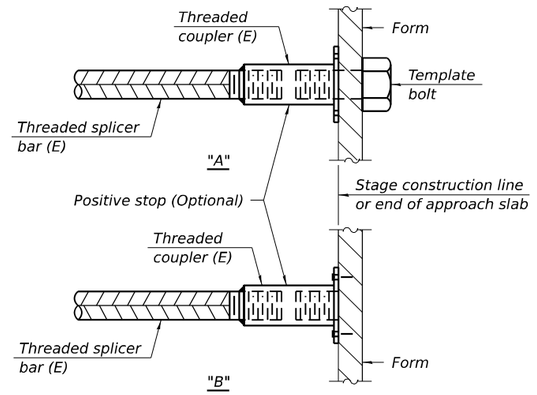
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

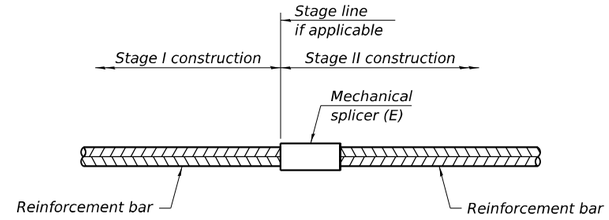
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
Expansion Joint	#6	8	3'-1"
Expansion Joint	#7	18	3'-5"



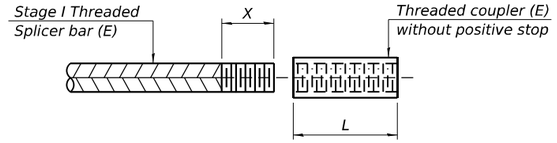
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Top of Deck	#5	334
Bottom of Deck	#5	666
Expansion Joint	#6	10
Diaphragms	#6	8



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

Notes:

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

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

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

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

BSD-1

4-4-2025

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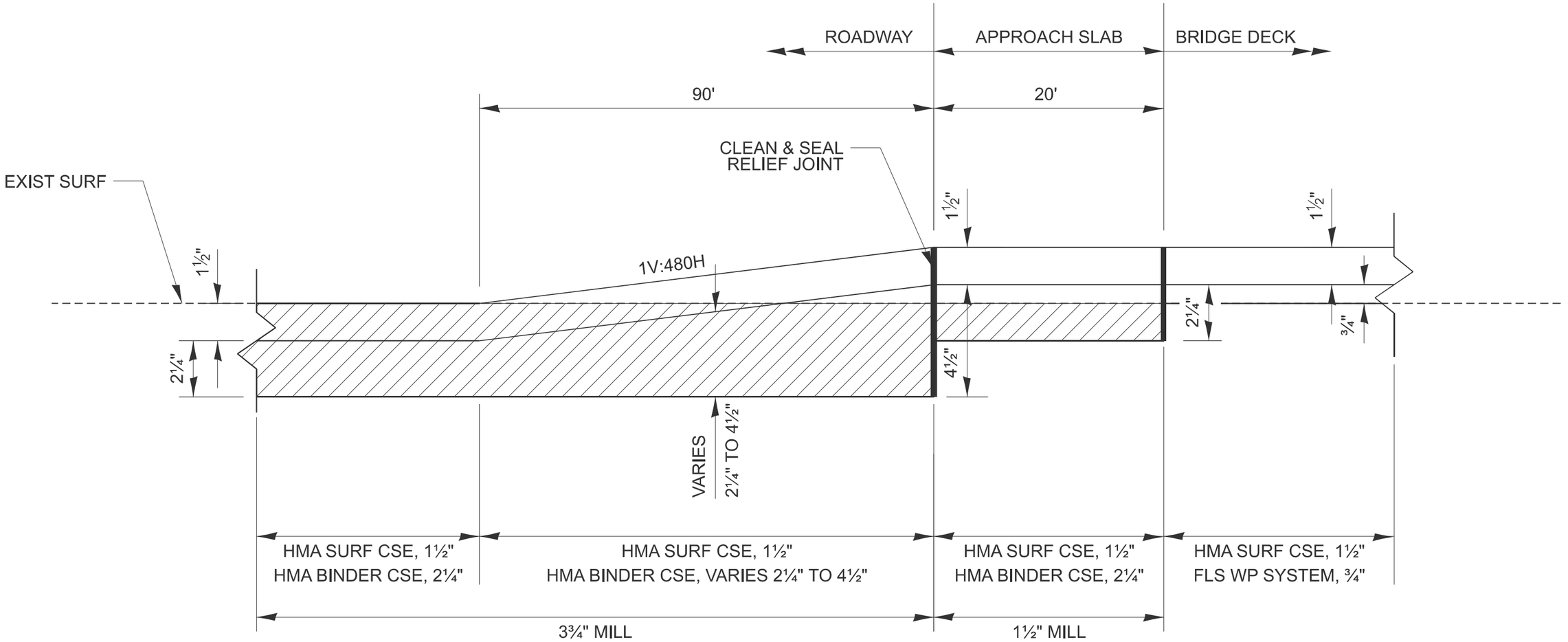
PLOT DATE = 3/6/2026	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NUMBER 032-0025

SHEET 20 OF 20 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	44
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



STA 248+82.71 TO STA 249+72.71
STA 251+75.79 TO STA 252+65.79

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PLOT DATE = 1/20/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
TRANSITION DETAIL

SCALE: NONE | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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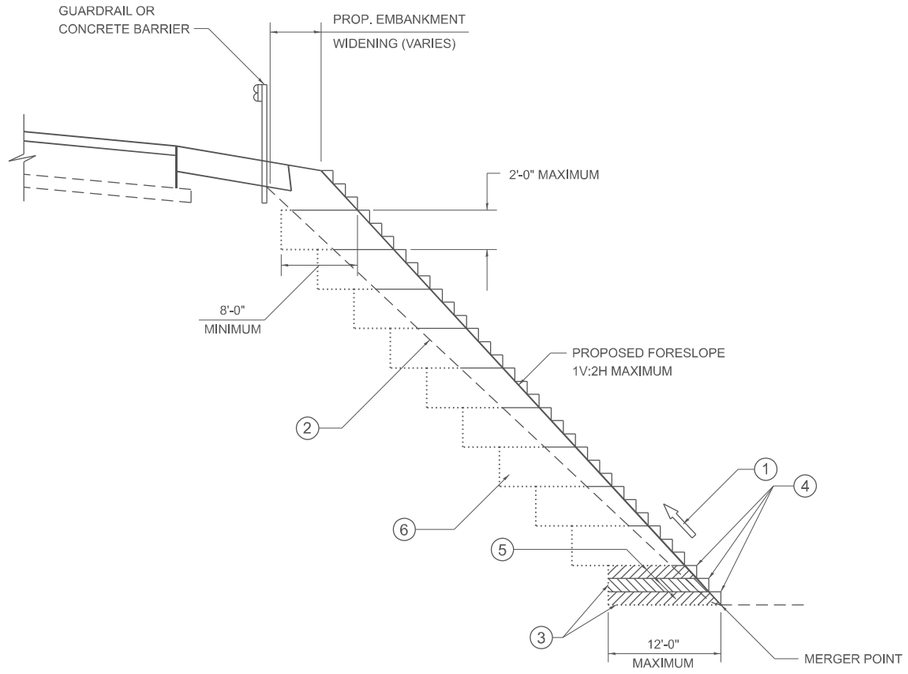
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



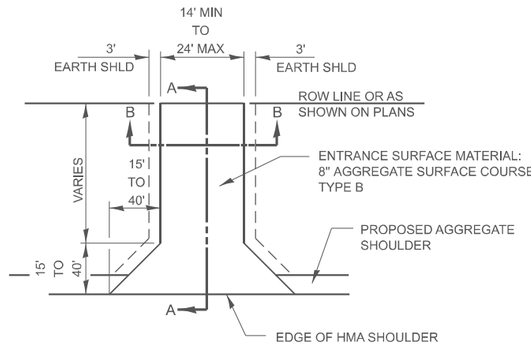
TYPICAL BENCHING DETAIL FOR EMBANKMENT

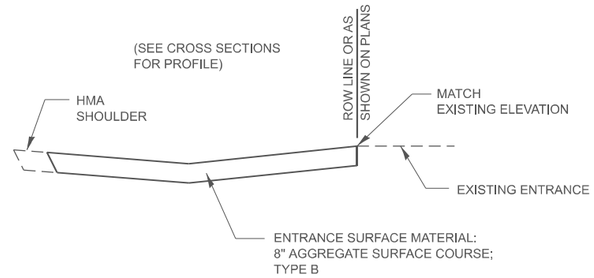
NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 1V:4H AND THE HEIGHT IS GREATER THAN 5'.

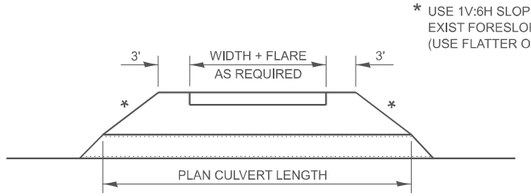
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

205-4





SECTION A-A



SECTION B-B

FIELD ENTRANCE DETAIL

402-1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
DISTRICT 3 STANDARD DETAILS

SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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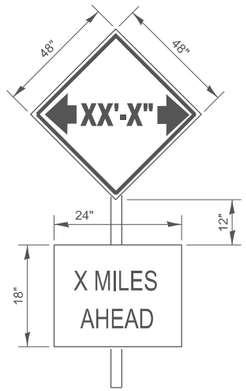
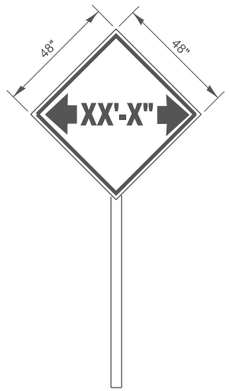
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



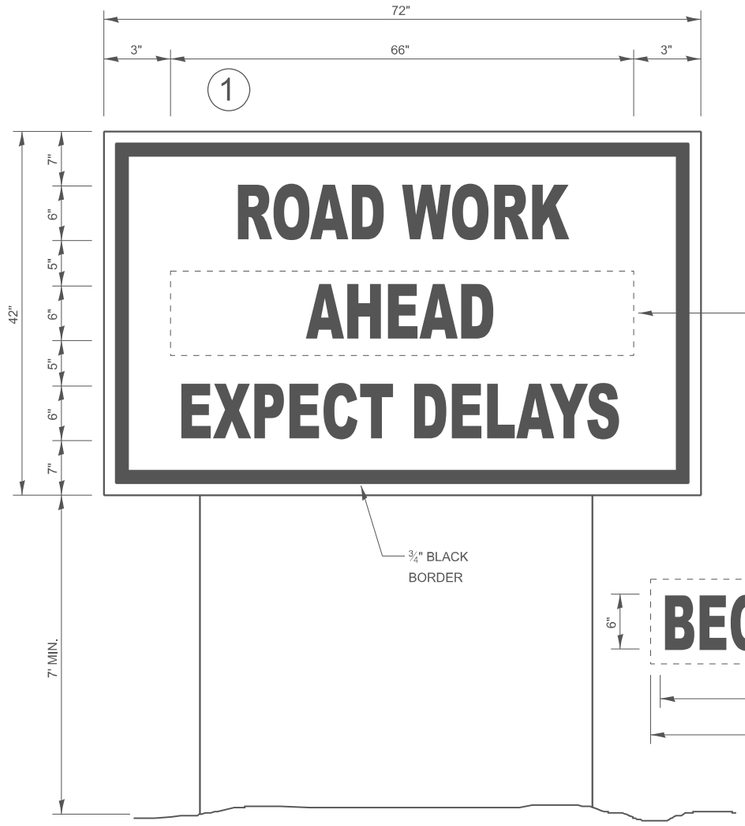


TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS

701-6



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 LANE CLOSURE.
4. REMOVE PANEL (2) ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL (2) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8

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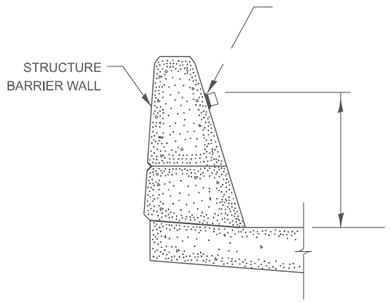
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
DISTRICT 3 STANDARD DETAILS

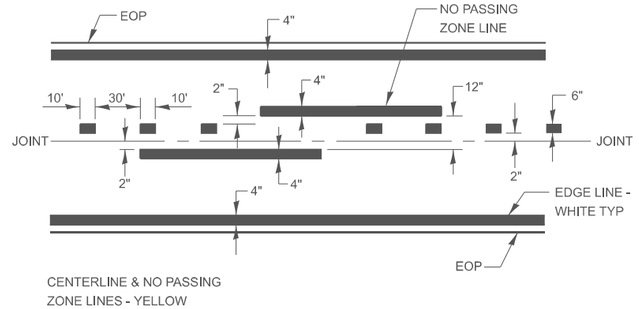
SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	47
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			



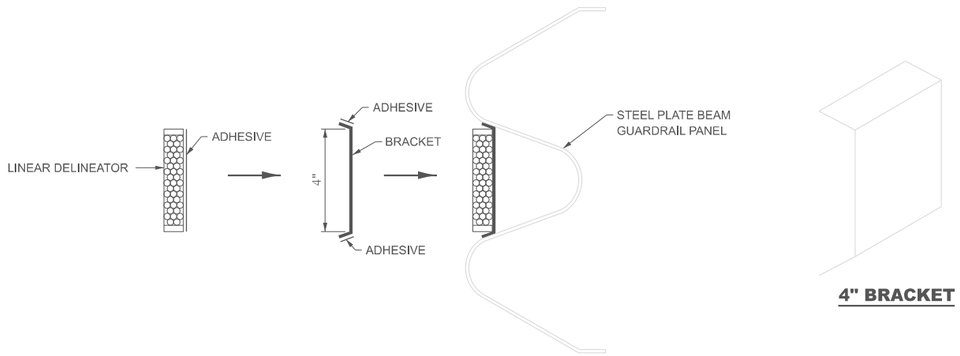
782-4

BARRIER WALL MARKER



PAVEMENT MARKING

780-8

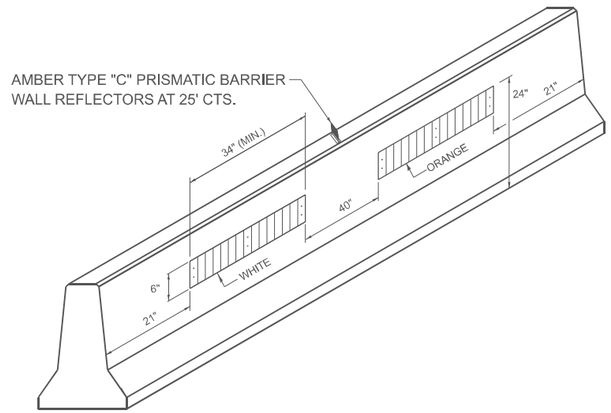


4" BRACKET

LINEAR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

LINEATOR DELINEATOR SHALL BE APLLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

782-5



LINEAR DELINEATOR PANELS FOR TEMPORARY CONCRETE BARRIER

782-6

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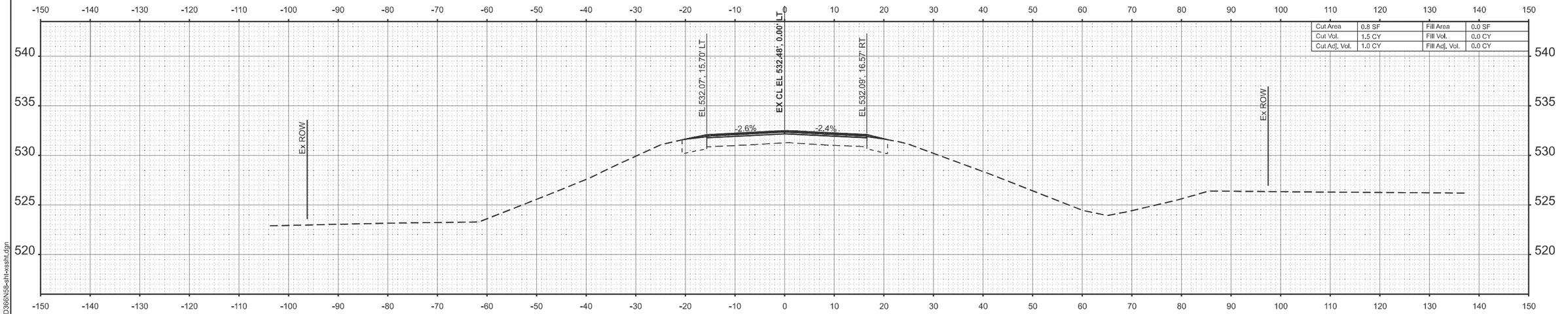
	CHECKED -	REVISED -	
PLOT DATE = 1/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

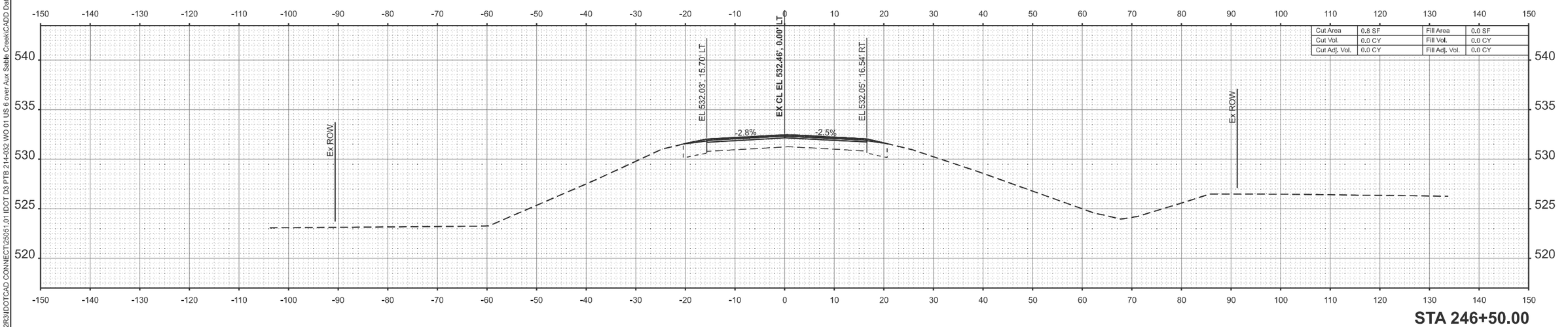
US 6 OVER AUX SABLE CREEK
DISTRICT 3 STANDARD DETAILS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	48
		CONTRACT NO. 66N58		
	ILLINOIS FED. AID PROJECT			



STA 247+00.00



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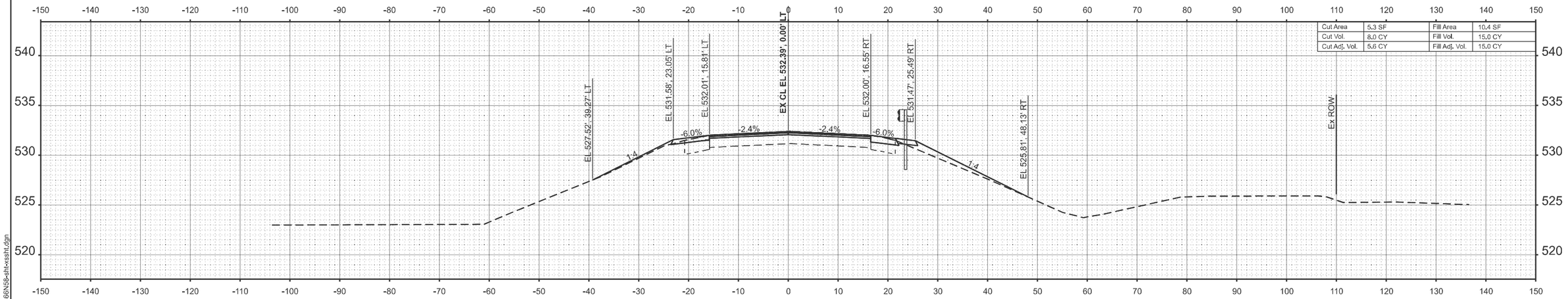
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/21/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	49
		CONTRACT NO. 66N58		
		ILLINOIS	FED. AID PROJECT	



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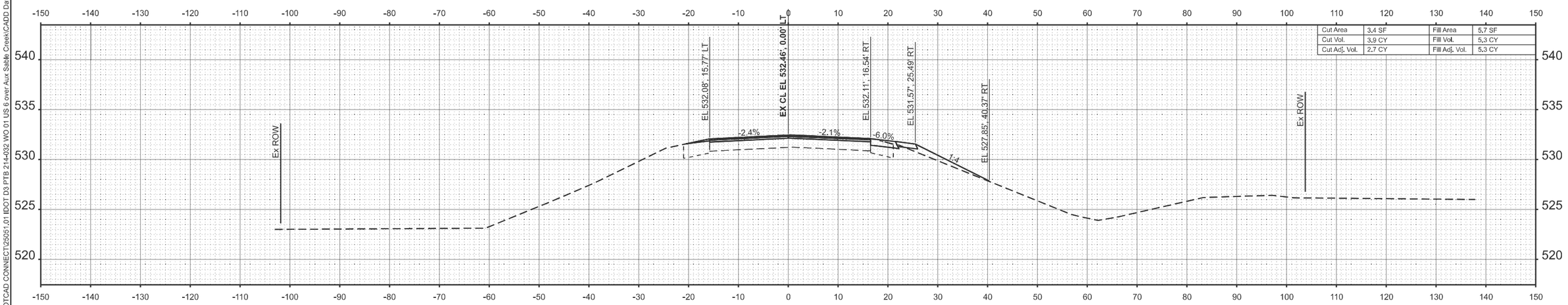

STA 247+50.00

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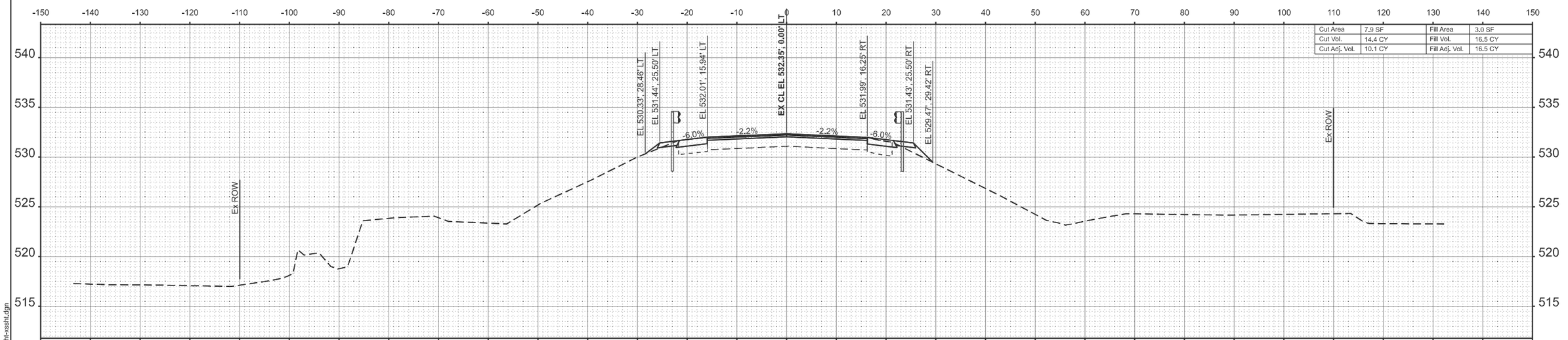
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	50
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



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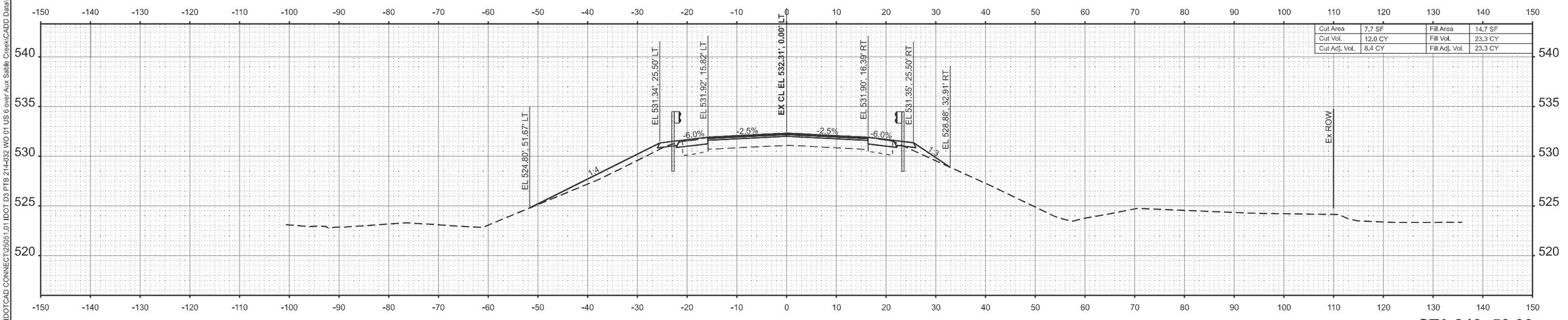

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	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

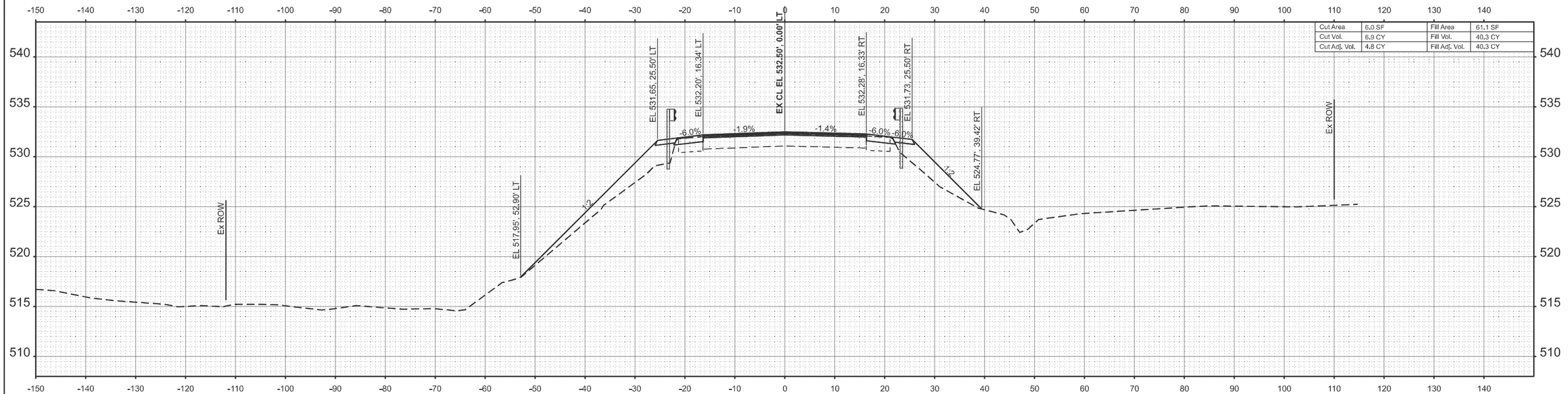
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1"=10' | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	51
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		

BRIDGE OMISSION
STA 249+93.83 TO STA. 251+54.67



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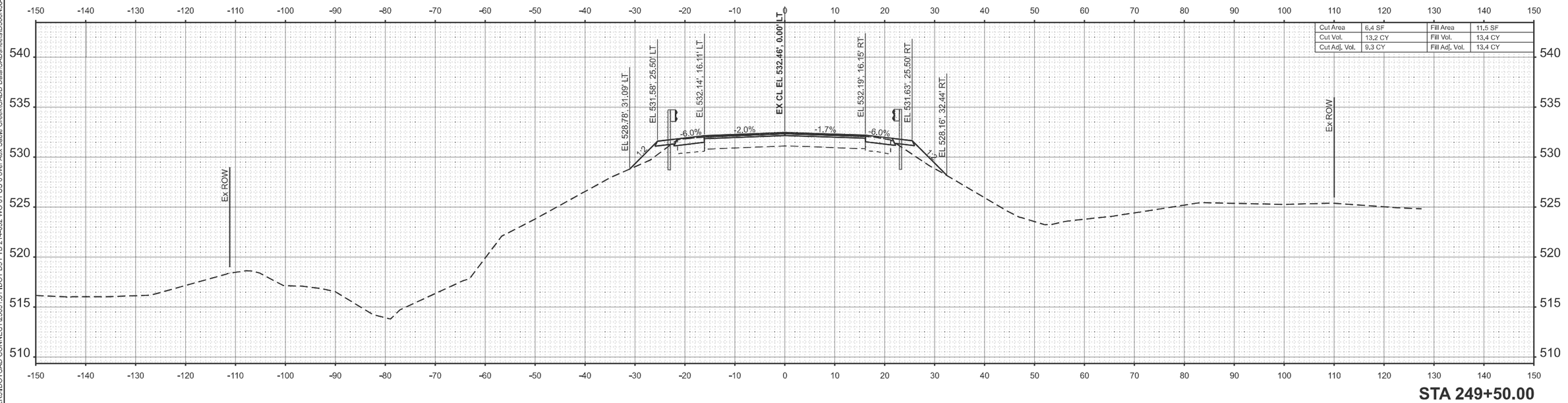

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Civil Engineering Design

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	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 4 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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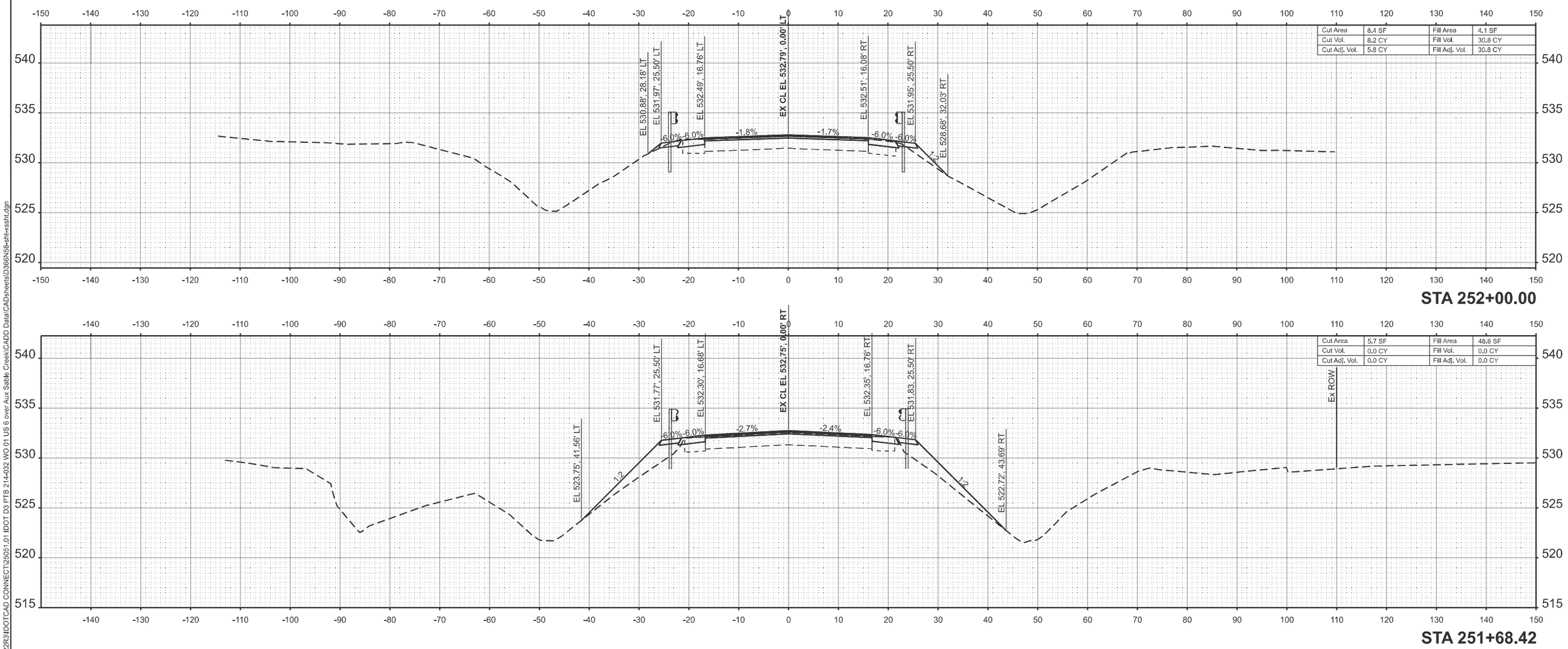
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



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Civil Engineering Design

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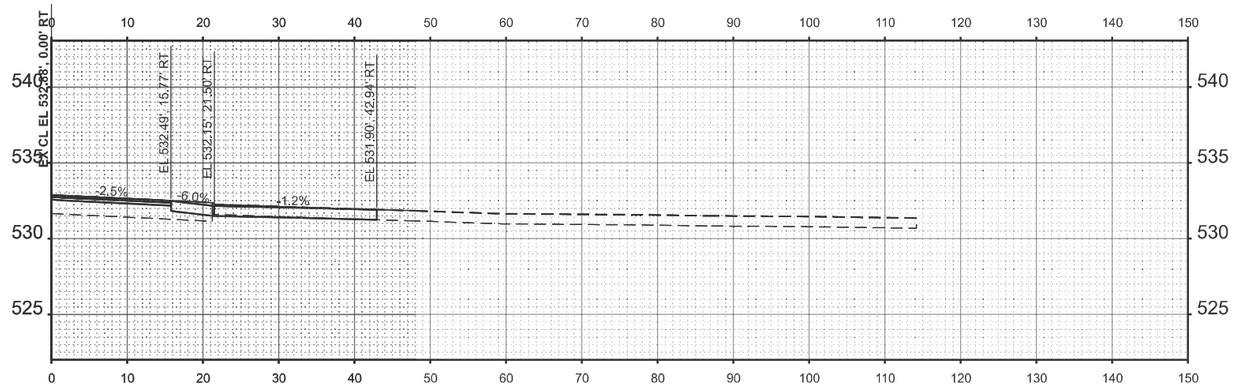
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

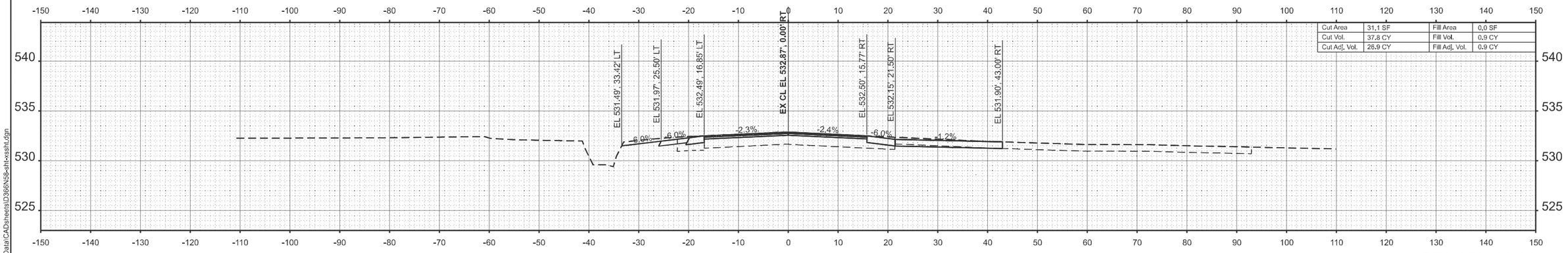
US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 5 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	53
		CONTRACT NO. 66N58		
		ILLINOIS	FED. AID PROJECT	



STA 253+02.10



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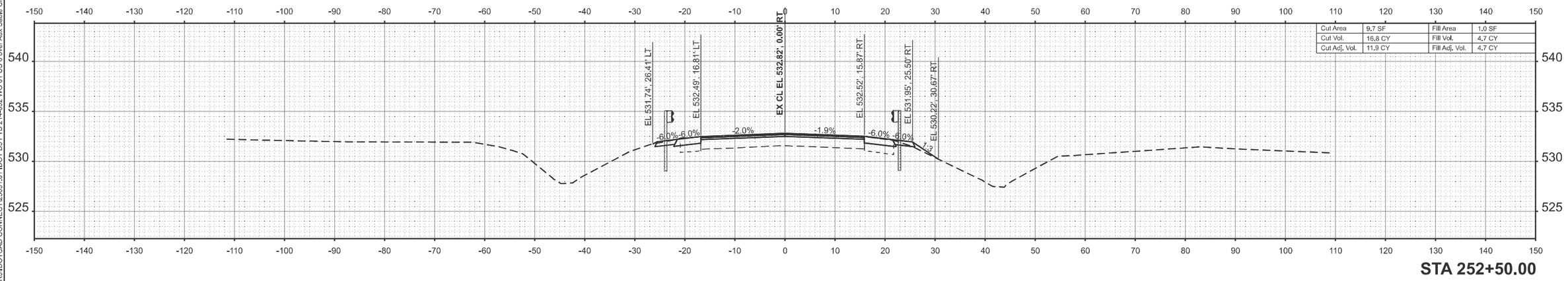

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EFK•Moen
Civil Engineering Design

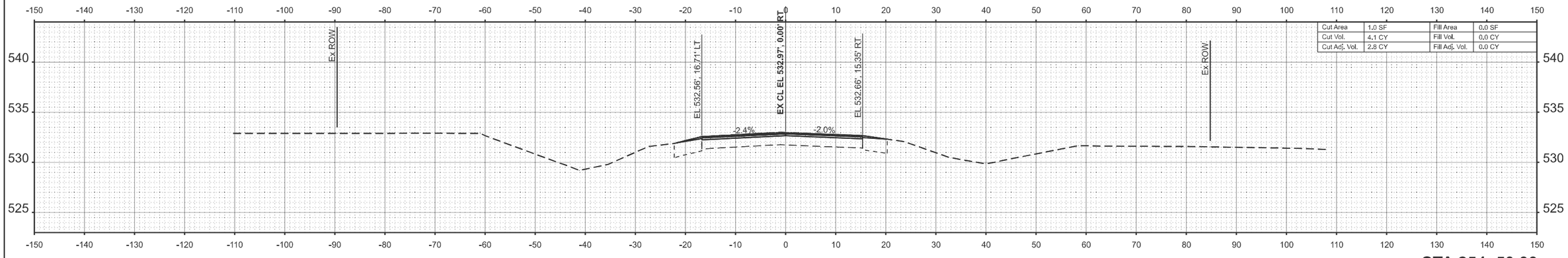
USER NAME = skierpiec	DESIGNED - JDB	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/20/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

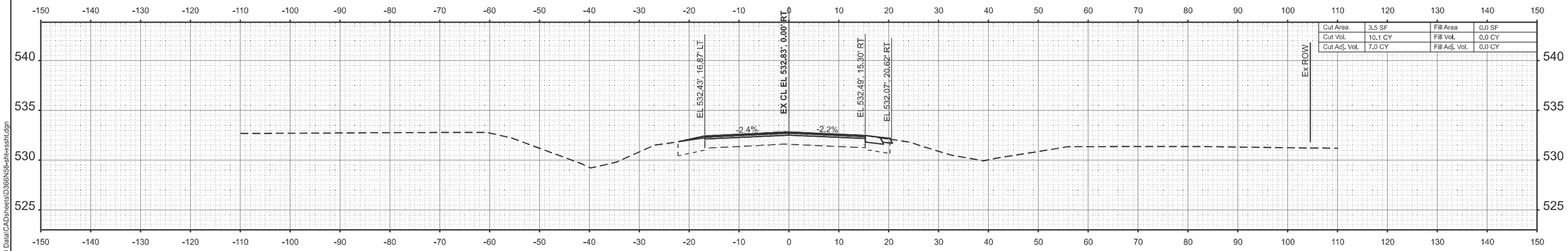
US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1"=10' | SHEET 6 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	54
		CONTRACT NO. 66N58		
	ILLINOIS	FED. AID PROJECT		



STA 254+50.00



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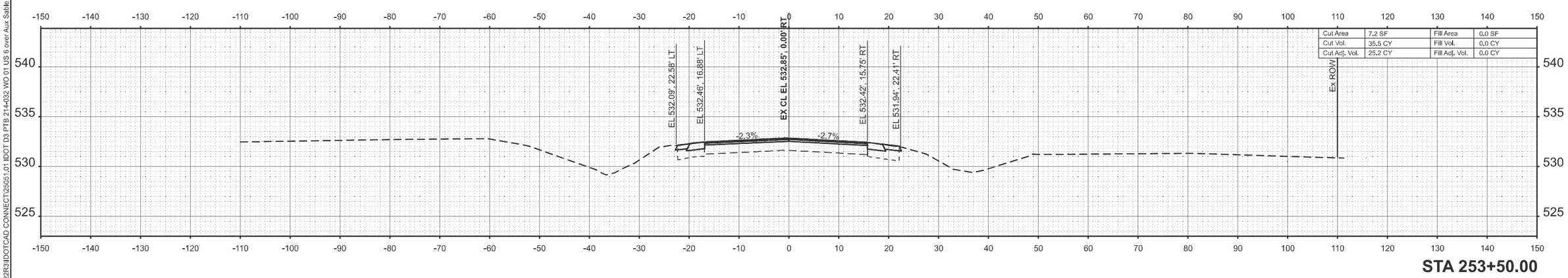

STA 253+50.00

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EFK•Moen
Civil Engineering Design

USER NAME = skierpiec		DESIGNED - JDB		REVISED -	
		DRAWN - ZJW		REVISED -	
		CHECKED - RBB		REVISED -	
PLOT DATE = 1/20/2026		DATE - 1/23/2026		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

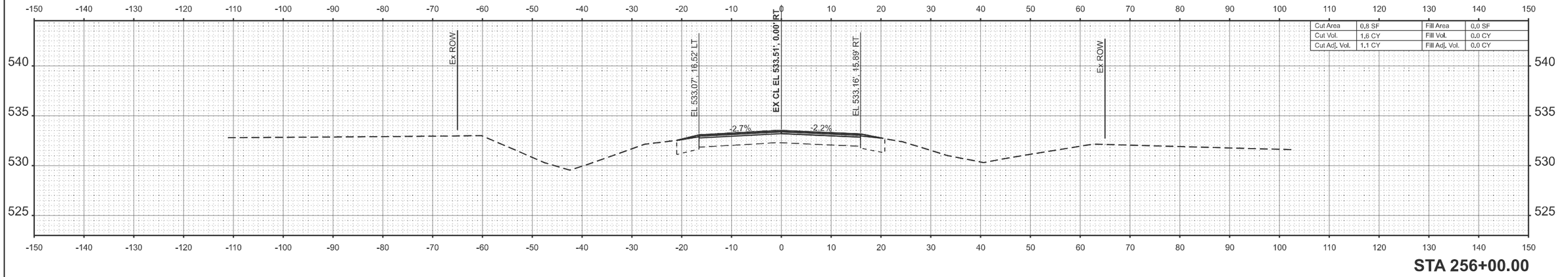
US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1"=10' | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	55

CONTRACT NO. 66N58

ILLINOIS | FED. AID PROJECT



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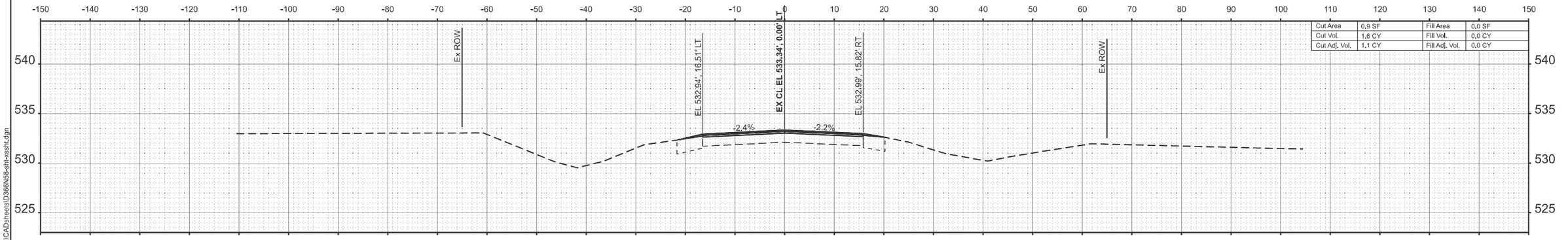

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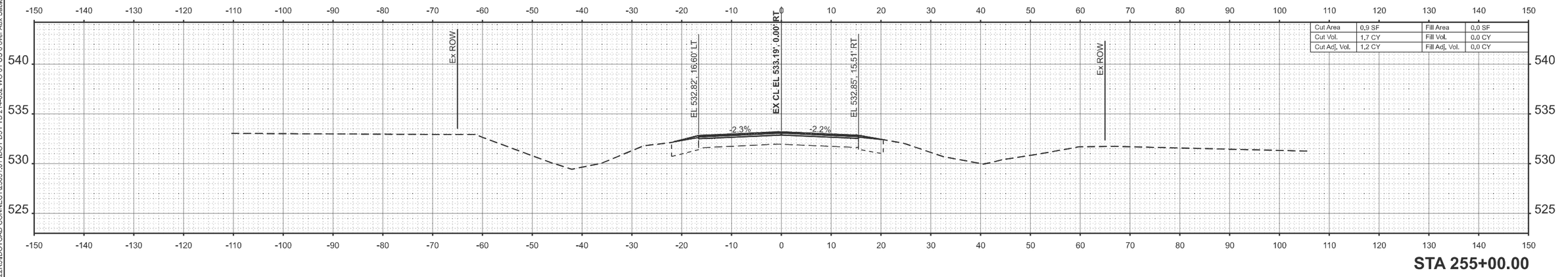

STA 255+00.00

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EFK•Moen
Civil Engineering Design

USER NAME = pgillespie	DESIGNED - JDB	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 1/22/2026	DATE - 1/23/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 OVER AUX SABLE CREEK
CROSS SECTIONS

SCALE: 1"=10' | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	(G-BR)BR-1	GRUNDY	56	56
		CONTRACT NO. 66N58		
		ILLINOIS FED. AID PROJECT		