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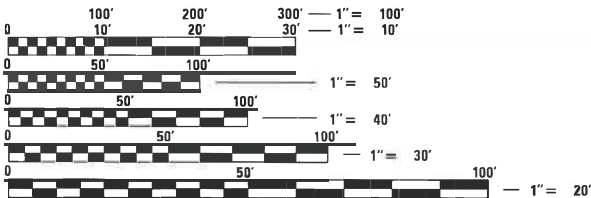
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- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
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- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
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- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
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- BLR 21-9 TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
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- 725001-01 OBJECT AND TERMINAL MARKERS

DESIGN DESIGNATION (S.N. 060-0124)

- ROADWAY CLASSIFICATION = MINOR ARTERIAL
- DESIGN SPEED = 45 MPH
- CURRENT ADT (2019) = 12,000
- ESTIMATED ADT (2020) = 12,100
- ESTIMATED ADT (2040) = 14,200
- SU = 3.1% MU = 4.4%

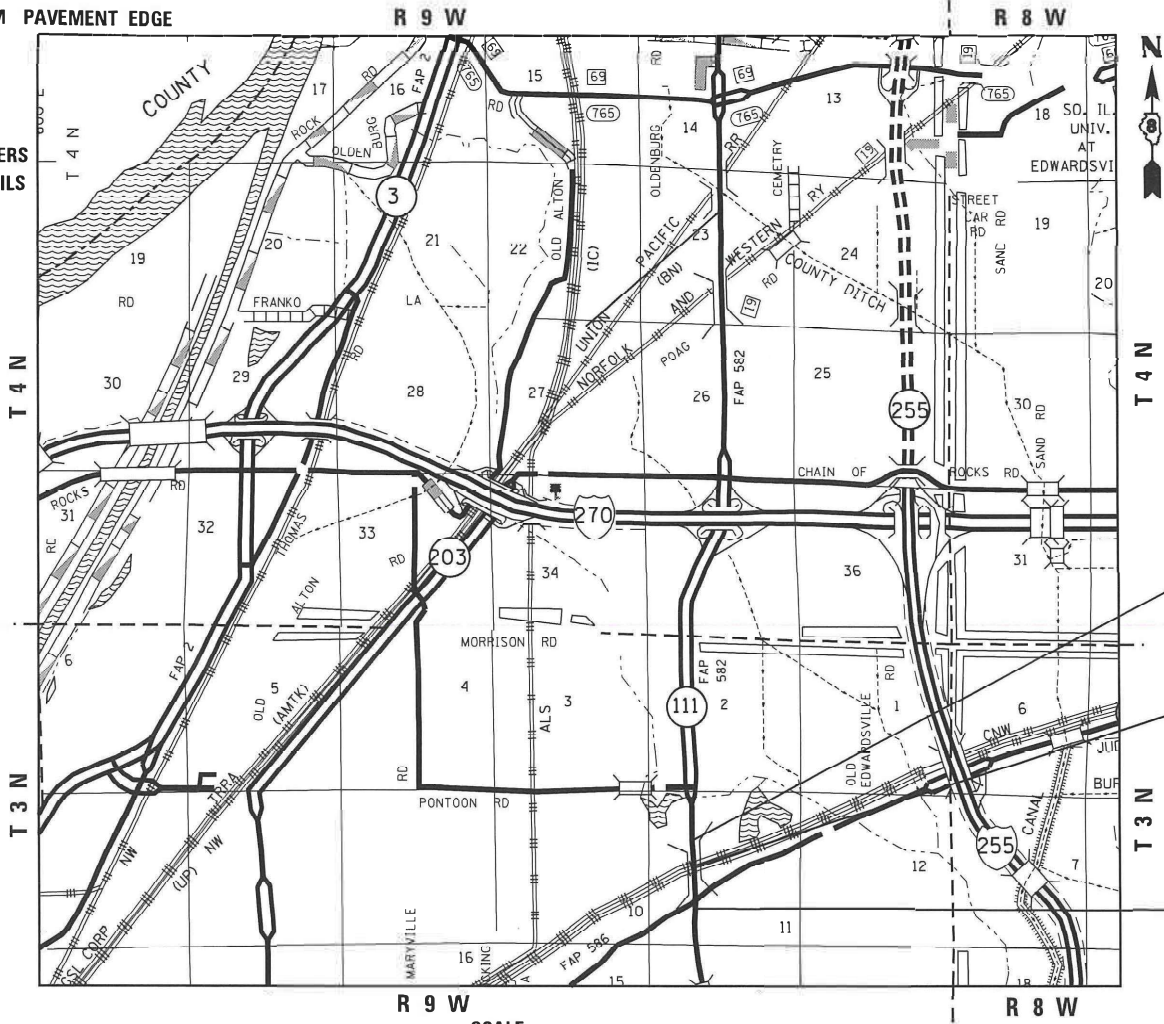


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BILLIE OWEN
PROJECT MANAGER: STEVE KEEL
CONTRACT NO. 76P46

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 582 (IL 111)
SECTION 6VBR-1
PROJECT NO. HBFP-2QU4(576)
BRIDGE REPAIR, HMA OVERLAY & JOINT REPAIR
MADISON COUNTY
C-98-082-21



BEGIN CONSTRUCTION
STA. 982+92

S.N. 060-0124
BRIDGE REPAIR AND DECK OVERLAY
CARRYING IL 111 OVER UNION
PACIFIC RAILROAD AND BIKE TRAIL
STA 986+37
38°43'24.04" N
90°04'14.67" W

END CONSTRUCTION
STA. 989+83

SCALE
1" = 1/2 MILE

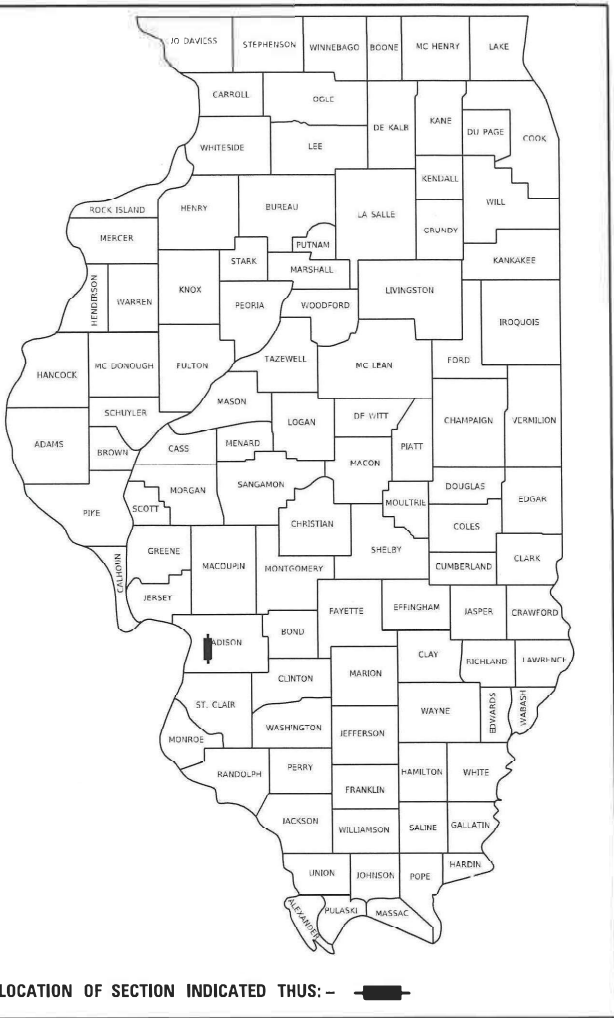
NET LENGTH (SN 060-0124) = 691 FEET (0.131 MILES)
TOTAL LENGTH = 691 FEET (0.131 MILES)

STEVEN M. KEIL, PE
EXPIRES 11/30/2023
RESPONSIBLE FOR SHEETS 1-18, 61-66

01/17/2024
DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	1
		ILLINOIS	CONTRACT NO. 76P46	

D-98-051-21



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 26, 2024
Karl Brown
REGIONAL ENGINEER
March 22, 2024
S. A. Keil
ENGINEER OF DESIGN AND ENVIRONMENT
March 22, 2024
Steve M. Keil
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



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100 Lanter Court, Suite 1
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Belleville
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Belleville, IL 62200
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820 South Main Street, Suite 309
St. Charles, MO 63301
636.493.6277

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GENERAL NOTES

1. THE FOLLOWING UTILITIES ARE KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA:
- AMEREN ILLINOIS (GAS & ELECTRIC)

BUCKEYE PIPE LINE COMPANY (PIPELINE)

ILLINOIS AMERICAN WATER COMPANY

CONSOLIDATED COMMUNICATIONS (COMMUNICATIONS)

AT&T ILLINOIS (COMMUNICATIONS)

MADISON COUNTY SPECIAL SERVICE AREA #1 (SANITARY)

CHARTER COMMUNICATIONS (CABLE TV)

PONTOON BEACH PUBLIC WATER DISTRICT (WATER)

WINDSTREAM COMMUNICATIONS (COMMUNICATIONS)
2. THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
3. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE EXISTING BIKE TRAIL CAUSED DURING CONSTRUCTION. REPAIRS TO BE MADE AT THE COST OF THE CONTRACTOR AND AS DIRECTED BY THE ENGINEER.
5. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
6. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
7. IF ANY SECTION OR SUB-SECTION MONUMENT (I.E. STONE, BRASS PLUG, ALUMINUM DISK, IRON PIPE OR PIN, MAG NAIL, CROSS, ETC.), IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENT IS REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE THE MONUMENT IN PLACE UNTIL AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES SURVEYING"HAS REFERENCED ITS LOCATION.
8. ANY MONUMENT OR PROPERTY CORNER TO BE SET SHALL BE SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES SURVEYING".
9. THE RIGHT-OF-WAY OR PROPERTY CORNER IS MONUMENTED WITH A 5/8"IRON ROD, THIRTY INCHES (30") IN LENGTH, WITH AN IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT-OF-WAY MARKER. THE RIGHT-OF-WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT-OF-WAY BOUNDARY. THE RIGHT-OF-WAY MARKER SHALL BE A WITNESS TO THE MONUMENT.
10. THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:
- BO

CONSTR

CP

ESMT

ELEV

K

N/F

O/C

PERM

PVI

PVC

TCE

TUP

TBA

TBRL

TYP

W

BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)

CONSTRUCTION

CONTROL POINT

EASEMENT

ELEVATION

LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE

NOW OR FORMERLY

OIL AND CHIP

PERMANENT

POINT OF VERTICAL INTERSECTION

POLYVINYL CHLORIDE PIPE

TEMPORARY CONSTRUCTION EASEMENT

TEMPORARY USE PERMIT

TO BE ADJUSTED

TO BE RELOCATED

TYPICAL

WIDTH

COMMITMENTS

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30 OF ANY GIVEN YEAR.

MIXTURE REQUIREMENTS

MIXTURE USE	POLY SURFACE	PATCHING	SURFACE (ACCESS ROAD)	SHOULDERS (LOWER)	SHOULDERS (SURFACE)
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ NDES=90	4.0% @ NDES=90	4.0% @ NDES=50	4.0% @ NDES=30	4.0% @ NDES=30
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 9.5	IL 19.0L	IL 9.5L
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "C"		
QUALITY MGMT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA

MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)1914051\W0 7 - IL 111 Bridge Repairs SN 060-174 - Updated Scope\CADD\Microstation\CADD Drawing\027B946-shc-gen-note.dgn



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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/16/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	2
		CONTRACT NO. 76P46		
		ILLINOIS	FED. AID PROJECT	

Model: Default
File Name: I:\P220022 - IDOT DB PH 1 & 2 VAR - VAR (P)194-051\WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\crostation\CADD Drawings\07\B045-shs-S00.dgn

CODE NO .	ITEM	UNIT	TOTAL QUANTITY	CONSTR . CODE
				80% FED 20% STATE
				BRIDGE URBAN
				0047 SN 060-0124
20100500	TREE REMOVAL, ACRES	ACRE	0.4	0.4
20200100	EARTH EXCAVATION	CU YD	245	245
25000200	SEEDING, CLASS 2	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68	68
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68	68
28100107	STONE RIPRAP, CLASS A4	SQ YD	186	186
28200200	FILTER FABRIC	SQ YD	133	133
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	56	56
40200300	AGGREGATE SURFACE COURSE, TYPE A 4"	SQ YD	532	532
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	959	959
40600370	LONGITUDINAL JOINT SEALANT	FOOT	683	683
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	560	560
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	14	14

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PLOT DATE = 3/28/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	3
CONTRACT NO. 76P46				
		ILLINOIS	FED. AID PROJECT	

Model: Default
File Name: T:\P220022 - IDOT DB PH 1 & 2 VAR - VAR (P)194-051\WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\crostation\CADD Drawings\07\B045-shs-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BRIDGE URBAN
				0047 SN 060-0124
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	255	255
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	391	391
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,126	1,126
48100300	AGGREGATE SHOULDERS, TYPE A 4"	SQ YD	21	21
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4	4
48203100	HOT-MIX ASPHALT SHOULDERS	TON	65	65
50102400	CONCRETE REMOVAL	CU YD	34.8	34.8
50157300	PROTECTIVE SHIELD	SQ YD	20	20
50300100	FLOOR DRAINS	EACH	2	2
50300225	CONCRETE STRUCTURES	CU YD	44.0	44.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	53.5	53.5
50300300	PROTECTIVE COAT	SQ YD	173	173
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	10,800	10,800
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	15,310	15,310

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

PLOT DATE = 3/28/2023

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	4
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: T:\P220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE194-054)WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\crostation\CADD Drawings\07\B045-shs-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BRIDGE URBAN
				0047 SN 060-0124
52000037	PREFORMED JOINT STRIP SEAL 3"	FOOT	103	103
52000050	PREFORMED JOINT STRIP SEAL 4"	FOOT	52	52
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	28	28
52100520	ANCHOR BOLTS, 1"	EACH	56	56
58100210	FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	1,686	1,686
58700300	CONCRETE SEALER	SQ FT	153	153
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	1,126	1,126
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2,050	2,050
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	2,394	2,394
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	4	4
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	240	240
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1

* SPECIALTY ITEM

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MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)19+05+11WO 7 - IL 111 Bridge Repairs SN 060-174 - Updated_Scope\CADD\Microstation\CADD_Drawing\07B946-shs-500.dgn

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
					80% FED 20% STATE
					BRIDGE URBAN
					0047 SN 060-0124
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	1	1
	67100100	MOBILIZATION	L SUM	1	1
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	540	540
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
*	78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	2,964	2,964
*	78004660	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 12"	FOOT	9	9
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	2,964	2,964
*	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	9	9
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	4
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	20	20
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	10	10
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4

* SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	SHEET 4 OF 6 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	6
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

MODEL: Default
FILE NAME: I:\P220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE194-051)\WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\crostation\CADD Drawings\07\B045-shs-500.dgn

				CONSTR . CODE	
				80% FED 20% STATE	
	CODE NO .	ITEM	UNIT	TOTAL QUANTITY	BRIDGE URBAN
					0047
					SN 060-0124
*	81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	500	500
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	600	600
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	600	600
	X0300062	GRAFFITI REMOVAL	SQ YD	76	76
	X0327487	TRIAXIAL GEOGRID REINFORCEMENT, TYPE I	SQ YD	468	468
	X0900070	FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	1,722	1,722
	X2810103	STONE RIPRAP, CLASS A1 (SPECIAL)	TON	468	468
	X0900085	REMOVE EXISTING JOINT	FOOT	155	155
	X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	5	5
	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	12	12
	Z0001903	STRUCTURAL STEEL REMOVAL	POUND	8,000	8,000
	Z0001905	STRUCTURAL STEEL REPAIR	POUND	6,950	6,950
	Z0003802	REMOVAL OF EXISTING BEARINGS	EACH	16	16
	Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1

* SPECIALTY ITEM

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PLOT DATE = 1/17/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 5 OF 6 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	7
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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CODE NO .	ITEM	UNIT	TOTAL QUANTITY	CONSTR . CODE
				80% FED 20% STATE
				BRIDGE URBAN
				0047 SN 060 - 0124
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	84	84
Z0012800	CONCRETE PAVEMENT SCARIFICATION	SQ YD	291	291
Z0015802	PLUG EXISTING DECK DRAINS	EACH	7	7
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10	10
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10	10
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	300	300
Z0016702	DETOUR SIGNING	L SUM	1	1
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	2	2
Z0022810	FENCE REMOVAL (SPECIAL)	FOOT	30	30
Z0041895	POLYMER CONCRETE	CU FT	29.2	29.2
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
X0326490	CABLE GATE ASSEMBLY	EACH	1	1
Ø Z0076600	TRAINEES	hour	1000	1000
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	16	16
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	hour	1000	1000

Ø 0042

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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2024	DATE -	REVISED -

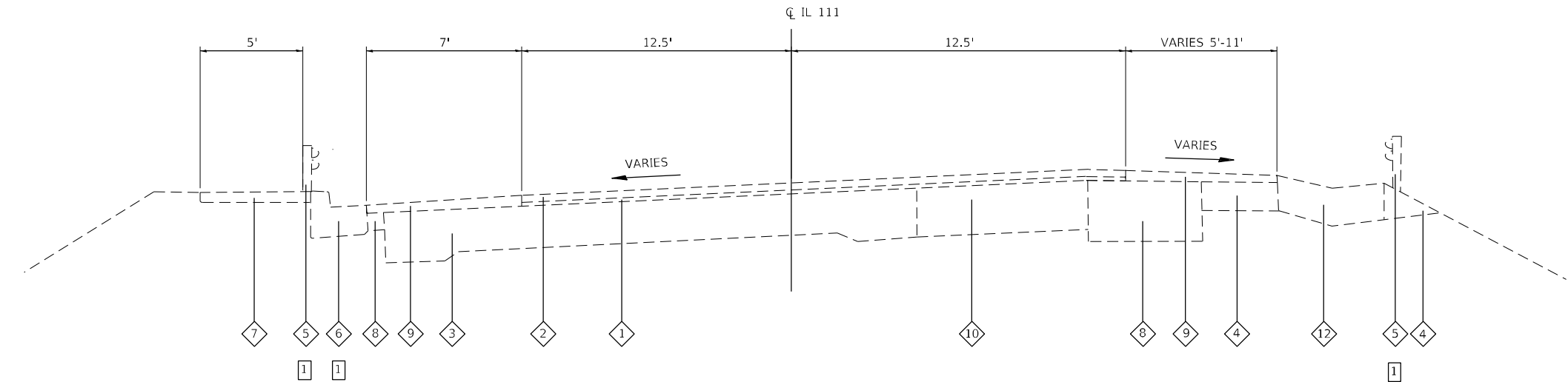
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

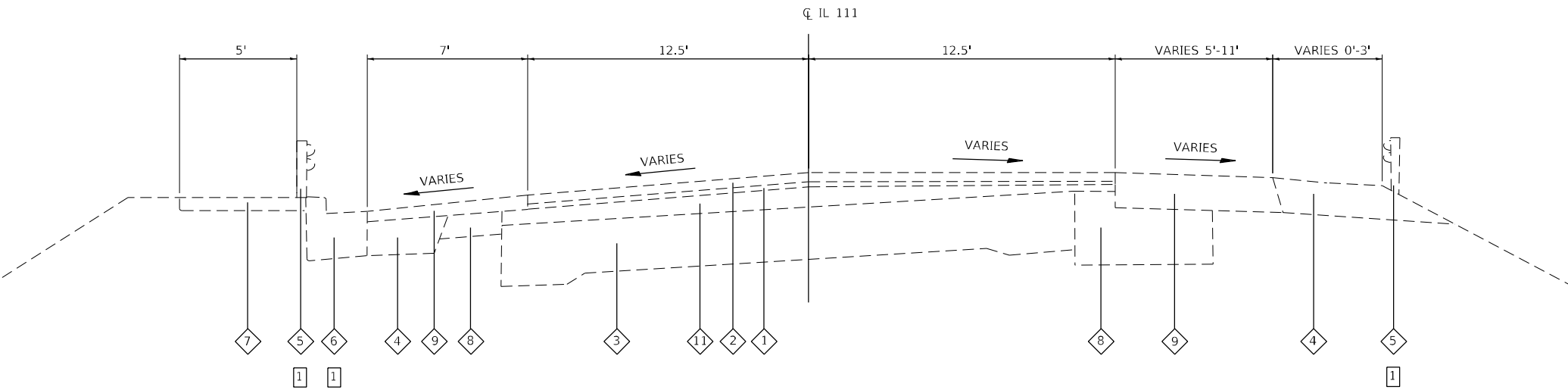
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	8
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)191405\IWO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\Microstation\CADD Drawings\027B946-shct-typical.dgn



EXISTING TYPICAL SECTION – IL 111

SN 060-0124
STA. 988+26.93 TO STA. 989+83.00



EXISTING TYPICAL SECTION – IL 111

SN 060-0124
STA. 982+92.00 TO STA. 984+47.18
STRUCTURE OMISSION STA. 984+47.18 TO STA. 988+26.93

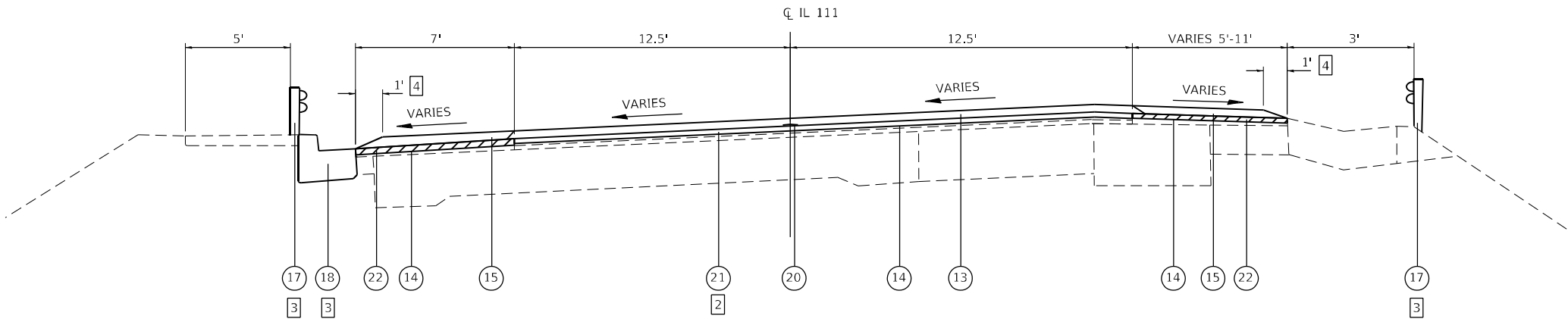
TYPICAL SECTION LEGEND

- 1 EXISTING HMA LEVELING BINDER, 3/4"
- 2 EXISTING HMA SURFACE COURSE, 1 1/2"
- 3 EXISTING CONCRETE PAVEMENT, 10-8-10
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING GUARDRAIL
- 6 EXISTING CURB AND GUTTER
- 7 EXISTING PCC SIDEWALK
- 8 EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING
- 9 EXISTING BITUMINOUS SHOULDER, 6"
- 10 EXISTING PCC BASE COURSE, 10"
- 11 EXISTING LEVELING BINDER
- 12 EXISTING CONCRETE GUTTER, TYPE A
- 13 PROPOSED POLYMERIZED HMA SURFACE COURSE IL 9.5, MIX "D", N90, 2 1/4"
- 14 PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- 15 PROPOSED HMA SHOULDER, 2 1/2"
- 16 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- 17 PROPOSED GUARDRAIL
- 18 PROPOSED COMBINATION CONCRETE CURB AND GUTTER TB 6.24 VWGF
- 19 PROPOSED AGGREGATE SURFACE COURSE, TYPE A, 4"
- 20 PROPOSED LONGITUDINAL JOINT SEALANT
- 21 PROPOSED CONCRETE PAVEMENT SCARIFICATION, 1/4"
- 22 PROPOSED HMA SURFACE REMOVAL, 1/2"
- 23 PROPOSED STONE RIPRAP, CLASS A1 (SPECIAL), 8"
- 24 PROPOSED TRIAXIAL GEOGRID REINFORCEMENT, TYPE I
- 25 PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- 26 PROPOSED HMA SURFACE COURSE IL 9.5, MIX "C", N50, 4"
- 27 PROPOSED AGGREGATE SHOULDERS, TYPE A 4"
- 28 PROPOSED STONE RIP RAP, CLASS A4

1 STA 974+42.27 TO 984+37.53 LT
STA 988+14.05 TO 990+91.26 LT
STA 975+92.45 TO 984+43.00 RT
STA 988+52.32 TO 991+23.66 RT

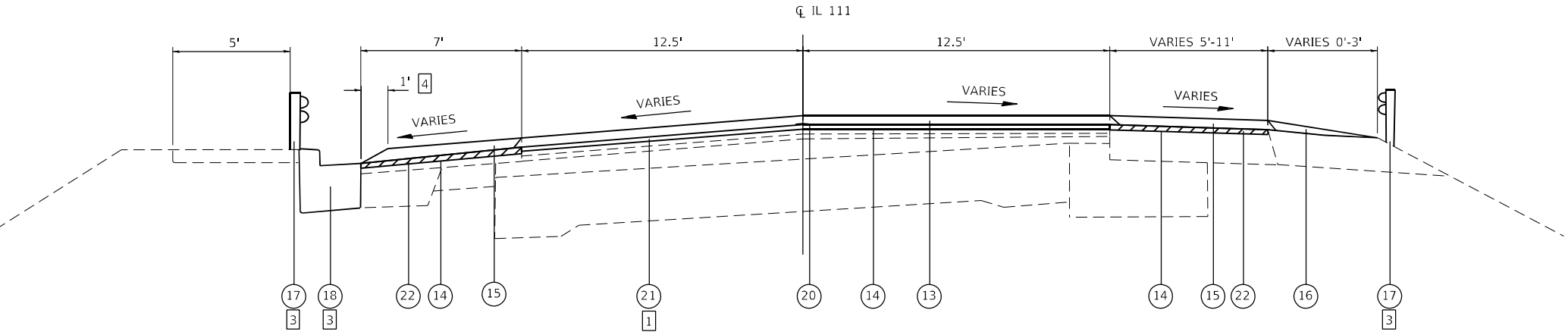
USER NAME = zachary.hresko	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2024	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	9
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION – IL 111

SN 060-0124
STA. 988+26.93 TO STA. 989+83.00



PROPOSED TYPICAL SECTION – IL 111

SN 060-0124
STA. 982+92.00 TO STA. 984+47.18
STRUCTURE OMISSION STA. 984+47.18 TO STA. 988+26.93

TYPICAL SECTION LEGEND

- 1 EXISTING HMA LEVELING BINDER, 3/4"
- 2 EXISTING HMA SURFACE COURSE, 1 1/2"
- 3 EXISTING CONCRETE PAVEMENT, 10-8-10
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING GUARDRAIL
- 6 EXISTING CURB AND GUTTER
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- 26 PROPOSED HMA SURFACE COURSE IL 9.5, MIX "C", N50, 4"
- 27 PROPOSED AGGREGATE SHOULDERS, TYPE A 4"
- 28 PROPOSED STONE RIP RAP, CLASS A4

NOTES: SEE BUTT JOINT DETAIL REGARDING
100' HMA PAVEMENT TRANSITIONS FOR
ELEVATED BRIDGE PROFILE.

- 1 STA 983+92.00 TO STA 984+47.18
- 2 STA 988+26.93 TO STA 988+82.80 RT
STA 988+26.93 TO STA 988+72.20 LT
- 3 STA 974+72.92 TO STA 984+35.38 LT
STA 988+16.15 TO STA 990+91.13 LT
STA 975+88.91 TO STA 984+51.44 RT
STA 988+33.16 TO STA 991+33.13 RT
- 4 TAPER PROPOSED HMA SHOULDER IN
ONE FOOT TO MATCH THE EXISTING
CONCRETE GUTTER

MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)19+05\IWO 7 - IL 111 Bridge Repairs SN 060-0124 - Updated Scope\CADD\Microstation\CADD Drawings\027B946-shc-typical.dgn



USER NAME = zachary.hresko
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 1/17/2024

DESIGNED -
DRAWN -
CHECKED -
DATE -

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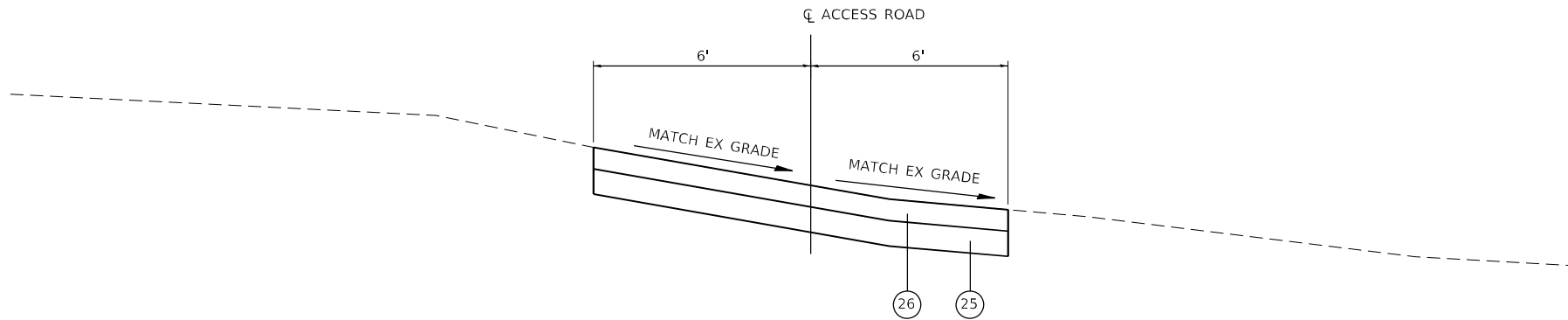
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

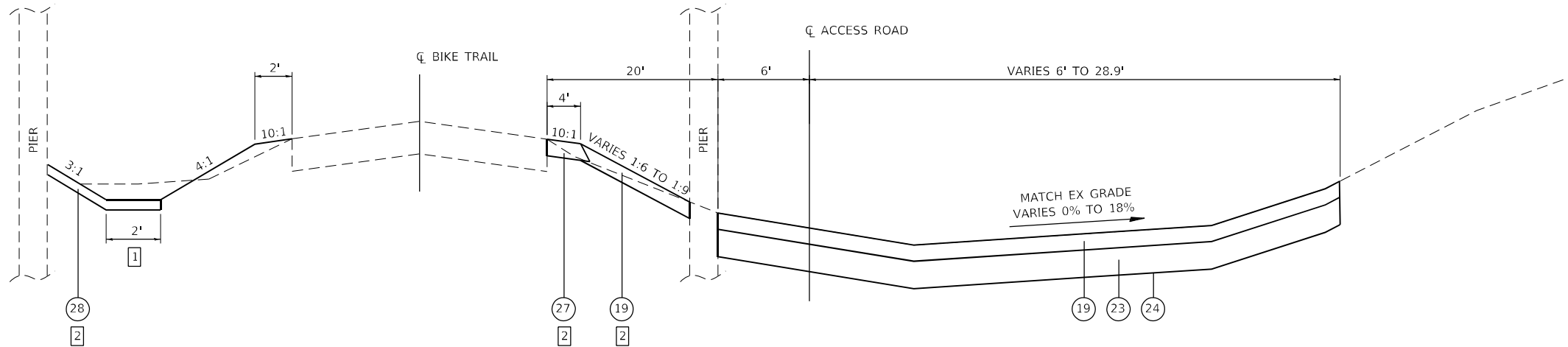
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	10
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)19+05+11WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\Microstation\CADD Drawings\027B946-shct-typical.dgn



PROPOSED TYPICAL SECTION
ACCESS ROAD UNDER SN 060-0124

STA. 52+71.40 TO STA. 53+25.70
BIKE TRAIL OMISSION STA. 52+92.20 TO STA. 53+05.00
NOT TO SCALE



PROPOSED TYPICAL SECTION
ACCESS ROAD UNDER SN 060-0124

STA. 51+12.50 TO STA 52+71.40
NOT TO SCALE

TYPICAL SECTION LEGEND

- 1 EXISTING HMA LEVELING BINDER, 3/4"
- 2 EXISTING HMA SURFACE COURSE, 1 1/2"
- 3 EXISTING CONCRETE PAVEMENT, 10-8-10
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING GUARDRAIL
- 6 EXISTING CURB AND GUTTER
- 7 EXISTING PCC SIDEWALK
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- 27 PROPOSED AGGREGATE SHOULDERS, TYPE A 4"
- 28 PROPOSED STONE RIP RAP, CLASS A4

- 1 PROPOSED DITCH STA 50+75.00 TO STA 51+75.00 @ 1.25%
- 2 PROPOSED AGGREGATE SHOULDER AND SURFACE COURSE 5' BEYOND THE OUTSIDE LIMITS OF THE BRIDGE

MODEL Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)1914054\UWO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\Microstation\CADD Drawings\07B946-shr-schedule.dgn

PAVEMENT MARKING

STATION	STATION	RAISED REFL PAVT MKR	BARR WALL REF TYPE C	RAISED REF PVT MK REM	PREF PL PM TD STD L4		PREF PL PM TD STD L12	RAISD REF PM REFL REM	GRV RC SD PVT MRKG 5	GRV RC SD PVT MRKG 13
					WHITE (NOTE 1)	YELLOW (NOTE 1)				
		(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
SN 060-0124										
982+92	984+47	2		2	310	310			620	
984+47	988+27		10		760	760		5	1,520	
988+27	989+83	2		2	312	512	9		824	9
TOTAL		4	10	4	2,964		9	5	2,964	9

PAVEMENT MARKING NOTES:

1. SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.

PAVEMENT

STATION	STATION	OFFSET	BIT MATLS	HMA SURF	P HMA SC	HMA SURF	AGG WEDGE	HMA	CONC PAVT	LONG JOINT
			TACK CT	REM BUTT JT	IL-9.5 D	REM 1/2	SHLD TYPE	SHOULDERS	SCAR	SEALANT
			(POUND)	(SQ YD)	(TON)	(SQ YD)	(TON)	(TON)	(SQ YD)	(FOOT)
SN 060-0124										
982+92	983+92	LT/RT	198	267	34	155	2	25		100
983+92	984+47	LT/RT	101		18	80	2	14	135	55
988+27	988+83	LT/RT	110		20	70		13	156	57
988+83	989+83	LT/RT	171	293	38	86		13		100
TOTAL			580	560	110	391	4	65	291	312

PAVEMENT NOTES:

1. APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:
HOT-MIX ASPHALT: 0.056 TONS/SY/INCH THICKNESS
TACK COAT: 0.05 LB/SQ FT (MILLED SURFACE)

ACCESS ROAD

STATION	STATION	EARTH EXCAVATION	STONE RIPARP CL A4	FILTER FABRIC	SUB GRAN MAT A 4	AGG SURF CSE A 4	HMA SC IL-9.5 C N50 (TON)	AGGREGATE SHLDS A 4	TRI GEOGRID REINF T1	STONE RIPRAP CL A1 SP
		(CU YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)
ACCESS ROAD										
51+08	53+33	245			56	468	14		468	468
BIKE TRIAL										
1+26	1+72		133	133		64		21		
TOTAL		245	133	133	56	532	14	21	468	468

GUARDRAIL

STATION	STATION	OFFSET	COMB CURB GUTTER REM	COMB CC&G TB6.24 VWGF	SPBGR TY A 6FT POSTS	TRAF BAR TERM T6	TR BAR TRM T1 SPL TAN	GUARDRAIL REMOV	TERMINAL MARKER - DA	GRDRAIL REF TYPE A
			(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)
SN 060-0124										
974+73	984+35	LT	851	851	875	1	1	995	1	6
975+89	984+51	RT			775	1	1	851	1	6
988+16	990+91	LT	276	276	188	1	1	277	1	4
988+33	991+33	RT			213	1	1	272	1	4
TOTAL			1,126	1,126	2,050	4	4	2,394	4	20

RIGHT OF WAY MARKERS

STATION	OFFSET	DESCRIPTION	FUR ERECT ROW MARKERS
			(EACH)
984+23.73	165.0' LT	NE Quadrant	1
985+18.32	80.0' RT	NW Quadrant	1
987+41.68	80.0' LT	SE Quadrant	1
988+03.45	80.0' RT	SW Quadrant	1
TOTAL			4

GRAFFITI REMOVAL

LOCATION	GRAFFITI REMOVAL (SQ YD)
NORTH ABUTMENT WEST END	8
NORTH SIDE AND ENDS OF P3	34
NORTH SIDE AND ENDS OF P4	34
TOTAL	76

SEEDING

STATION	STATION	OFFSET	SEEDING CL 2	NITROGEN FERT NUTR	PHOSPHORUS FERT NUTR	POTASSIUM FERT NUTR
			(ACRE)	(POUND)	(POUND)	(POUND)
0+72	2+36	RT	0.75	68	68	68
TOTAL			0.75	68	68	68

ELECTRIC

STATION	STATION	OFFSET	UNDRGRD C PVC 1 1/2	ELCBL C SIGNAL 14 2C	ELCBL C EGRDC 6 1C
			(FOOT)	(FOOT)	(FOOT)
976+55	981+32	RT	500	600	600
TOTAL			500	600	600



USER NAME = zachary.hresko	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/7/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

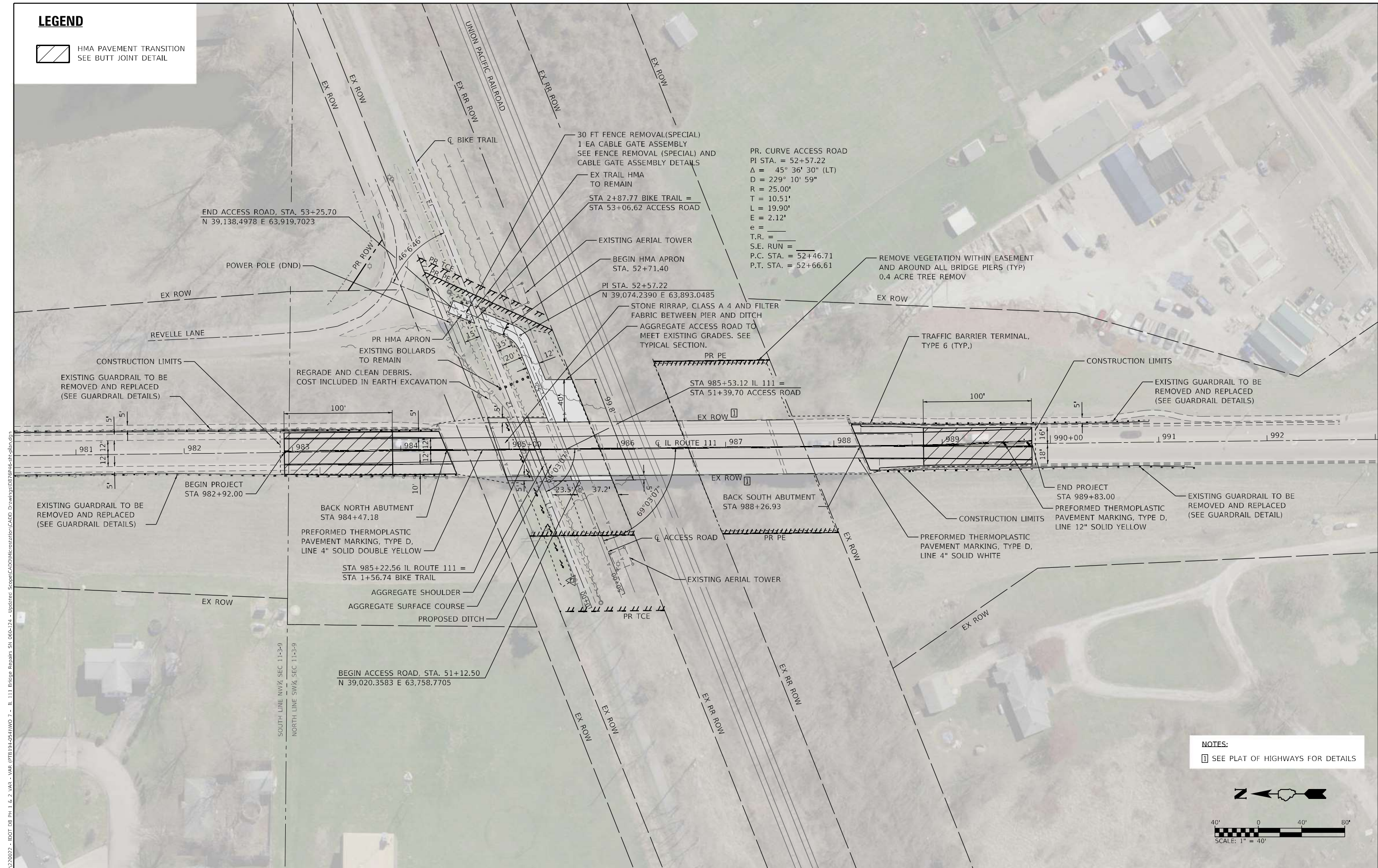
SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	12
CONTRACT NO. 76P46				
		ILLINOIS	FED. AID PROJECT	

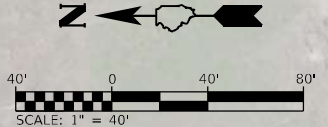
LEGEND

HMA PAVEMENT TRANSITION
SEE BUTT JOINT DETAIL

MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)1914051\WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\Microstation\CADD Drawings\0275046-shc-plan.dgn



NOTES:
1 SEE PLAT OF HIGHWAYS FOR DETAILS



USER NAME = zachary.hresko	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 80,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 060-0124
PLAN VIEW

SCALE: 1" = 40' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	13
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

DETOUR SIGNING NOTES

1.

IN ADDITION TO INDICATED DETOUR SIGNING, ALL TYPE III BARRICADES AND ADVANCED WARNING SIGNS SHALL BE FURNISHED AND PLACED PER HIGHWAY STANDARD BLR 21.
2.

DETOUR SIGNS REQUIRED WILL BE SUPPLIED BY THE CONTRACTOR.
3.

THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT SIGNS AT THE LOCATIONS SHOWN ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. THE POSTS SHALL BE REMOVED AND REMAIN THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
4.

THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, L SUM, FOR TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21 AND DETOUR SIGNING. NO OTHER COMPENSATION WILL BE ALLOWED.
5.

SIGN SPACING WILL BE 400' OR TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
6.

THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.
7.

ALL ADVANCE WARNING SIGNS SHALL BE 48" FLUORESCENT ORANGE WITH FLASHING LIGHTS.

SIGNS REQUIRED

TO BE PROVIDED BY CONTRACTOR

ROAD CLOSED AHEAD

W20-3(0)-48

1

DETOUR AHEAD

W20-2(0)-48

2

ROAD CONSTRUCTION AHEAD

W20-1(0)-48

3

ROAD CLOSED

R11-2

4

MS-1L(0)

5

MS-1R(0)

6

M6-3-2115

7

M6-1-2115

8

M6-1-2115

9

DETOUR NORTH

M4-8(0)-2412

M3-1-2412

M1-1100-24

10

DETOUR SOUTH

M4-8(0)-2412

M3-1-2412

M1-1100-24

11

ROAD CLOSED X MILES AHEAD LOCAL TRAFFIC ONLY

ON TYPE 3 BARRICADE R11-3A-6030

12

CHANGEABLE MESSAGE SIGN
ADVANCE CALC. 4 SIGNS X (14 CAL DA) = 56 CAL DA
DURATION CALC. 4 SIGNS X (119 CAL DA) = 476 CAL DAY
SUBTOTAL = 532 CA DAY, ROUNDED TOTAL = 540 CAL DA

DETOUR PLAN VIEW

APPROXIMATE SCALE: 1" = 2,000'

MODEL: 060-0124
FILE NAME: 1016220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)19140511WO 7 - IL 111 Bridge Repairs SN 060-0124 - Updated ScopeCADD\Microstation\CADD Drawings\1016220022\1016220022-111-111 Bridge Repairs SN 060-0124.dgn

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		DRAWN	-	REVISED	-
PLOT SCALE	= 40,0000 * / in.	CHECKED	-	REVISED	-
PLOT DATE	= 1/16/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN SHEET
SN 060-0124

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	14
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

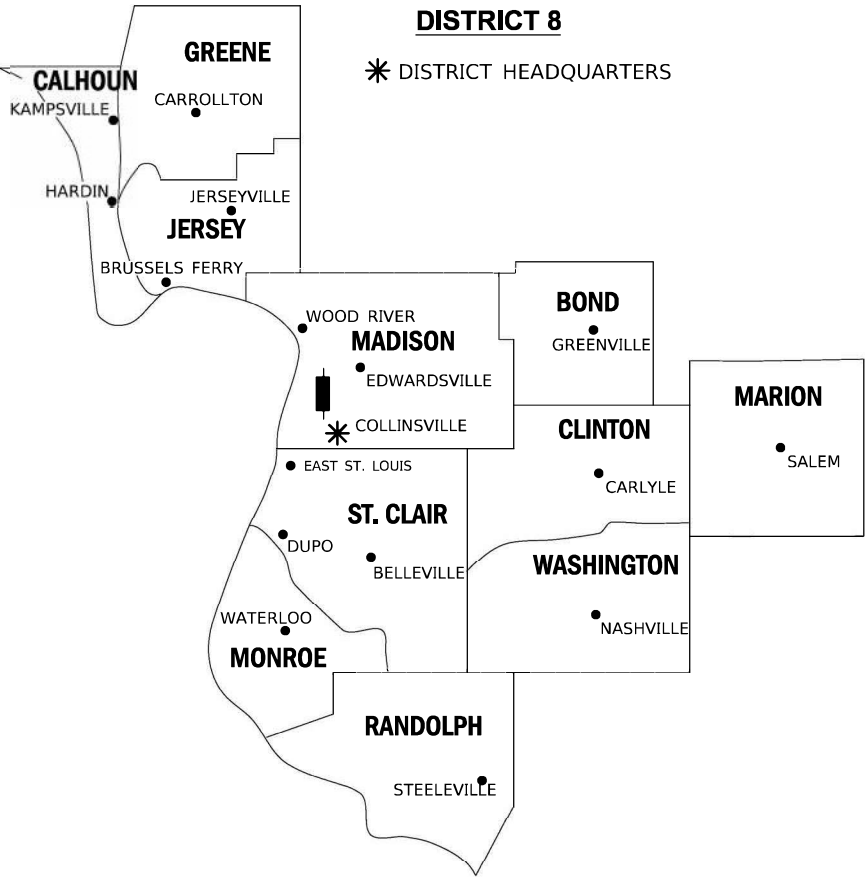
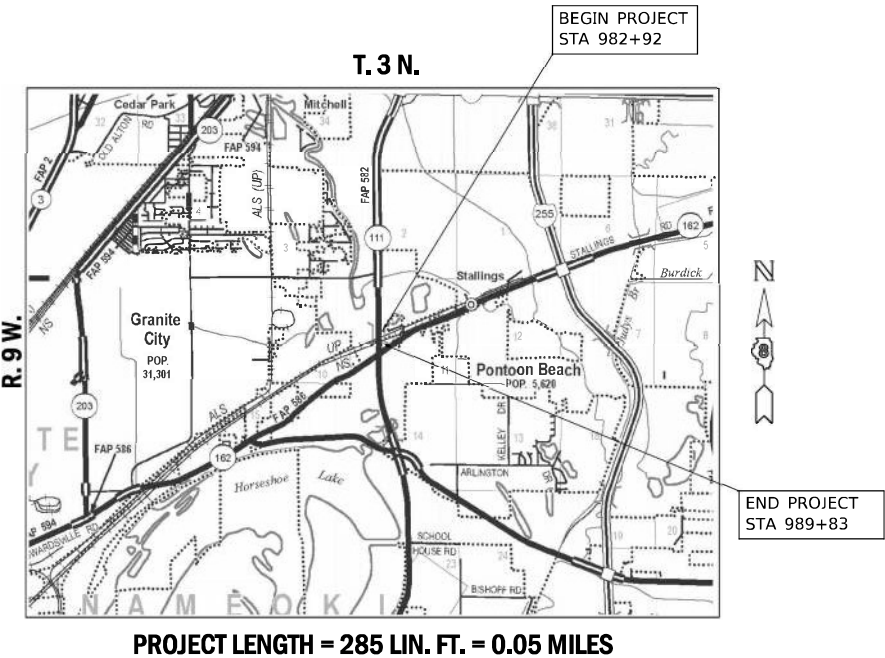
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION

SHEET INDEX		
SHEET NO.	STATION to STATION	DESCRIPTION
1		COVER SHEET
2		LEGEND
3		ROW PLAT
4		TIE POINTS

SPACE RESERVED FOR RECORDING OFFICER

PLAT OF HIGHWAYS

FAP ROUTE 582 (IL 111)
SECTION 6VBR-1
MADISON COUNTY
JOB NO. R-98-023-20



LOCATION OF SECTION INDICATED THUS: [Black Rectangle]

PREPARED BY:

V&K
Veenstra & Kimm, Inc.
2417 West White Oaks Dr.
Springfield, IL 62704
217-544-8033

SHAYLA E. PFAFFE, PLS NO. 35-003411
LICENSE EXPIRATION DATE: 11/30/2022

SHEET 1 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	15
CONTRACT NO. 76P46				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND FOR EXISTING TOPOGRAPHIC SYMBOLS

TRAFFIC SIGNAL GULFBOX		DRAINAGE FLOW LINE	
TRAFFIC SIGNAL HANDHOLE		RIP RAP	
TRAFFIC SIGNAL SIGNAL POST		HEADWALL	
TRAFFIC SIGNAL STEEL MAST ARM		CULVERT END SECTION	
TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON		DRAINAGE MANHOLE	
TRAFFIC SIGNAL WOODEN POLE		INLET	
TRAFFIC SIGNAL VEHICLE DETECTION PRIORITY		ROADWAY DITCH FLOW	
TRAFFIC SIGNAL VEHICLE DETECTION MAGNET		VEGETATION LINE	
TRAFFIC SIGNAL JUNCTION BOX		STUMP	
TRAFFIC SIGNAL CONTROLLER		SHRUB	
TRAFFIC SIGNAL HEAVY DUTY HANDHOLE		EVERGREEN TREE	
RAILROAD CANTILEVER MAST ARM		DECIDUOUS TREE	
RAILROAD CROSSBUCK		WOODS/BUSH LINE	
RAILROAD TRACK		TRAFFIC SIGN	
RAILROAD TRACK (ABANDONED)		GUARDRAIL POST	
RAILROAD CROSSGATE		GUARDRAIL	
RAILROAD CONTROL BOX		FIELD LINE	
RAILROAD FLASHING SIGNAL		LEVEE/NOISE BARRIER	
UTILITY TELEPHONE SPLICE BOX		FENCE	
UTILITY POWER POLE		MAIL BOX	
UTILITY TRAFFIC SIGNAL		ADVERTISING SIGN	
UTILITY LIGHT POLE		MARSH	
UTILITY FIRE HYDRANT		LIGHTING HANDHOLE	
UTILITY MANHOLE		LIGHTING POWER POLE	
UTILITY TELEPHONE POLE		LIGHTING JUNCTION BOX	
UTILITY GUY ANCHOR		LIGHTING HEAVYDUTY HANDHOLE	
UTILITY PIPELINE WARNING SIGN		LIGHTING CONTROLLER	
UTILITY HANDHOLE		LIGHTING PULL POINT	
UTILITY SPLICE BOX		HIGHWAY LIGHTING ELECTRICAL GROUND	
UTILITY JUNCTION BOX		HIGHWAY LIGHTING SINGLE UNIT	
UTILITY HEAVY DUTY HANDHOLE		HIGHWAY LIGHTING DOUBLE UNIT	
UTILITY DOUBLE HANDHOLE		EXISTING CONCRETE BARRIER	
UTILITY CONTROLLER		EXISTING CREEK OR DITCH	
UTILITY WATER METER		EXISTING EDGE OF PAVEMENT	

BASIS OF COORDINATE & BEARING STATEMENT

THE COORDINATES AND BEARINGS FOR THIS SURVEY ARE BASED ON THE PROJECT SURVEY CONTROL DATA ESTABLISHED AND PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE FOLLOWING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT GRID DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES.

LOW DISTORTION PROJECTION - MADISON COUNTY
PROJECTION PARAMETERS
PROJECTION: LAMBERT CONFORMAL CONIC (SINGLE PARALLEL)
LATITUDE OF ORIGIN: 38°50'00" N
CENTRAL MERIDIAN: 89°56'00" W
CM SCALE FACTOR: 1.000019129
FALSE NORTHING: 79,000 SFT
FALSE EASTING: 103,000 SFT

THE SURVEY WAS REFERENCED TO THE NATIONAL SPATIAL REFERENCE SYSTEM BY DIRECT CONNECTION TO THE FOLLOWING NGS MONUMENTS.

PID #: DP3028 / UM 124
LATITUDE: N38°41'12.52199" NORTHING: 25643.4292 SFT
LONGITUDE: W90°00'31.95204" EASTING: 81435.5784 SFT
ELLIPSOIDAL HEIGHT: 344.8266 SFT ORTHO HT.: 446.5930 SFT (GEOID 18)

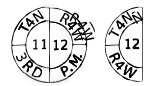
PID #: DP3049 / UM 145
LATITUDE: N38°47'58.83143" NORTHING: 66756.6550 SFT
LONGITUDE: W90°01'58.97881" EASTING: 74579.6579 SFT
ELLIPSOIDAL HEIGHT: 353.4471 SFT ORTHO HT.: 455.9787 SFT (GEOID 18)

THE CONTROL POINTS UTILIZED ON THIS PROJECT AND THEIR ASSOCIATED COORDINATES, AS PROVIDED BY THE DEPARTMENT, ARE LISTED IN THE TABLE BELOW.

PROJECT SURVEY CONTROL DATA
GROUND SURFACE COORDINATE SYSTEM

COORDINATES PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION JOB NO. D-98-043-20 / CONTRACT NO. 76N17			
POINT NO.	NORTH (FEET)	EAST (FEET)	DESCRIPTION
19	39,990.6160	63,808.6871	IRON PIN W/PLASTIC CAP
20	39,192.2903	63,756.2052	IRON PIN W/PLASTIC CAP
21	38,713.1680	63,818.5702	IRON PIN W/PLASTIC CAP
22	38,008.5648	63,759.2173	IRON PIN W/PLASTIC CAP

RIGHT-OF-WAY LEGEND

	SECTION CORNERS		QUARTER SECTION CORNERS
---	EXISTING CENTERLINE	---	EXISTING CENTERLINE
---	EXISTING RIGHT-OF-WAY LINE	---	EXISTING RIGHT-OF-WAY LINE
---	FORMER RIGHT-OF-WAY LINE	---	FORMER RIGHT-OF-WAY LINE
---	EXISTING IDOT EASEMENT LINE	---	EXISTING IDOT EASEMENT LINE
---	EXISTING EASEMENT LINE	---	EXISTING EASEMENT LINE
---	BUILDING SETBACK LINE	---	BUILDING SETBACK LINE
---	EXISTING ACCESS CONTROL LINE	---	EXISTING ACCESS CONTROL LINE
---	EXISTING RIGHT-OF-WAY & PROPOSED ACCESS CONTROL LINE	---	EXISTING RIGHT-OF-WAY & PROPOSED ACCESS CONTROL LINE
---	PROPOSED ACCESS CONTROL LINE	---	PROPOSED ACCESS CONTROL LINE
---	PROPOSED CENTERLINE	---	PROPOSED CENTERLINE
---	PROPOSED RIGHT-OF-WAY LINE	---	PROPOSED RIGHT-OF-WAY LINE
---	PROPOSED TEMPORARY EASEMENT LINE	---	PROPOSED TEMPORARY EASEMENT LINE
---	PROPOSED PERMANENT EASEMENT LINE	---	PROPOSED PERMANENT EASEMENT LINE
---	SECTION LINE	---	SECTION LINE
---	QUARTER SECTION LINE	---	QUARTER SECTION LINE
---	QUARTER QUARTER SECTION LINE	---	QUARTER QUARTER SECTION LINE
---	PROPERTY LINE (TITLE)	---	PROPERTY LINE (TITLE)
---	RECORDED PLAT/DEED LINE	---	RECORDED PLAT/DEED LINE
---	APPARENT PROPERTY LINE	---	APPARENT PROPERTY LINE
---	SAME OWNERSHIP	---	SAME OWNERSHIP
121.45'	MEASURED DIMENSION	121.45'	MEASURED DIMENSION
(121.45')	RECORDED DIMENSION	(121.45')	RECORDED DIMENSION
□	FOUND STONE	□	FOUND STONE
○	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED	○	FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
○	SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED	○	SET 5/8 INCH IRON ROD WITH PLASTIC CAP IDENTIFIED BY SURVEYORS LICENSE NUMBER AT CORNER UNLESS OTHERWISE NOTED
⊕	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)	⊕	PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 667101 (TO BE SET BY OTHERS)
△	SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED	△	SET 5/8 INCH IRON ROD AS SURVEY CONTROL UNLESS OTHERWISE NOTED
+	FOUND CUT CROSS	+	FOUND CUT CROSS
+	SET CUT CROSS	+	SET CUT CROSS

- STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS. SET 5/8 INCH METAL ROD WITH DEPARTMENT OF TRANSPORTATION SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.
- ^B STAKING OF PROPOSED RIGHT-OF-WAY AND PERMANENT EASEMENT CORNERS IN CULTIVATED AREA, A MINIMUM OF 20 INCHES BELOW THE GROUND SURFACE. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY ALUMINUM CAP TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS LICENSE NUMBER.

TOTAL HOLDING AREA SOURCE TABLE

1	AREA ACCORDING TO THE SURVEY PERFORMED BY THE CONSULTANT.
2	AREA LISTED IN RECORDED DEED.
3	AREA ACCORDING TO A RECORDED SUBDIVISION PLAT.
4	AREA ACCORDING TO A PLAT OF SURVEY.
5	AREA CALCULATED FROM RECORDED DEEDS OR TITLE COMMITMENTS - NOT SURVEYED.
6	AREA ACCORDING TO COUNTY TAX MAPS AND COUNTY ASSESSMENT RECORDS.
7	AREA ACCORDING TO OTHER RECORDS, SEE NOTE ON THE PLAT OF HIGHWAYS.

TOPOGRAPHIC STATEMENT

THE TOPOGRAPHY SHOWN HEREON WAS PROVIDED TO THE SURVEYOR BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE SURVEYOR VISUALLY FIELD VERIFIED THE EXISTENCE OF THE TOPOGRAPHY SHOWN HEREON. IN ADDITION THE SURVEYOR PHYSICALLY LOCATED IN THE FIELD THE FOLLOWING ITEMS ON 03/26/2021.

- BRIDGE DECK AND PIERS INCLUDING ABUTMENTS
- RAILROAD TRACKS
- BIKE BATH LIMITS
- SERVICE ROAD EAST OF RTE 111
- EDGE OF PAVEMENT, SHOULDER AND GUARDRAIL ON RTE 111
- EMBANKMENT LIMITS

LEGEND FOR ABBREVIATIONS

A/C	ACCESS CONTROL
AC	ACRE
AVE	AVENUE
BK	BOOK
BLVD	BOULEVARD
CL	CENTERLINE
CAB	CABINET
CH	COUNTY HIGHWAY
Ch	CHAIN
CP	CONTROL POINT
CPS	COTTON PICKER SPINDLE
DB	DEED BOOK
E	EAST
EX	EXISTING
FA	FEDERAL AID
FAI	FEDERAL AID INTERSTATE
FAP	FEDERAL AID PRIMARY
FAS	FEDERAL AID SECONDARY
FAU	FEDERAL AID URBAN
FND	FOUND
ha	HECTARE
IP	IRON PIPE
IR	IRON ROD
LT	LEFT
m ²	METER
m	SQUARE METERS
N	NORTH
N/F	NOW OR FORMERLY
N & BC	NAIL AND BOTTLE CAP
N & C	NAIL AND CAP
N & W	NAIL AND WASHER
NE	NORTHEAST
NW	NORTHWEST
PB	PLAT BOOK
PG	PAGE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
POT	POINT ON TANGENT
PL	PROPERTY LINE
PR	PROPOSED
R	RANGE
RD	ROAD
REC	RECORD
ROW	RIGHT-OF-WAY
RR	RAILROAD
RRS	RAILROAD SPIKE
RT	RIGHT
RTE	ROUTE
S	SOUTH
SBI	STATE BOND ISSUE
SE	SOUTHEAST
SEC	SECTION
SQ FT	SQUARE FEET
SR	STATE ROUTE
ST	STREET
STA	STATION
SMK	SURVEY MARKER
SW	SOUTHWEST
T	TOWNSHIP
TR	TOWNSHIP ROAD
USGS	U.S. GEOLOGICAL SURVEY
W	WEST

SPACE RESERVED FOR RECORDING OFFICER

PROPOSED PARCEL NUMBER LEGEND

8001001	PROPOSED FEE SIMPLE ACQUISITION
8001001PE	PROPOSED PERMANENT EASEMENT

PREPARED BY:



Veenstra & Kimm, Inc.
2417 West White Oaks Dr.
Springfield, IL 62704
217-544-8033

ILLINOIS DEPARTMENT OF TRANSPORTATION

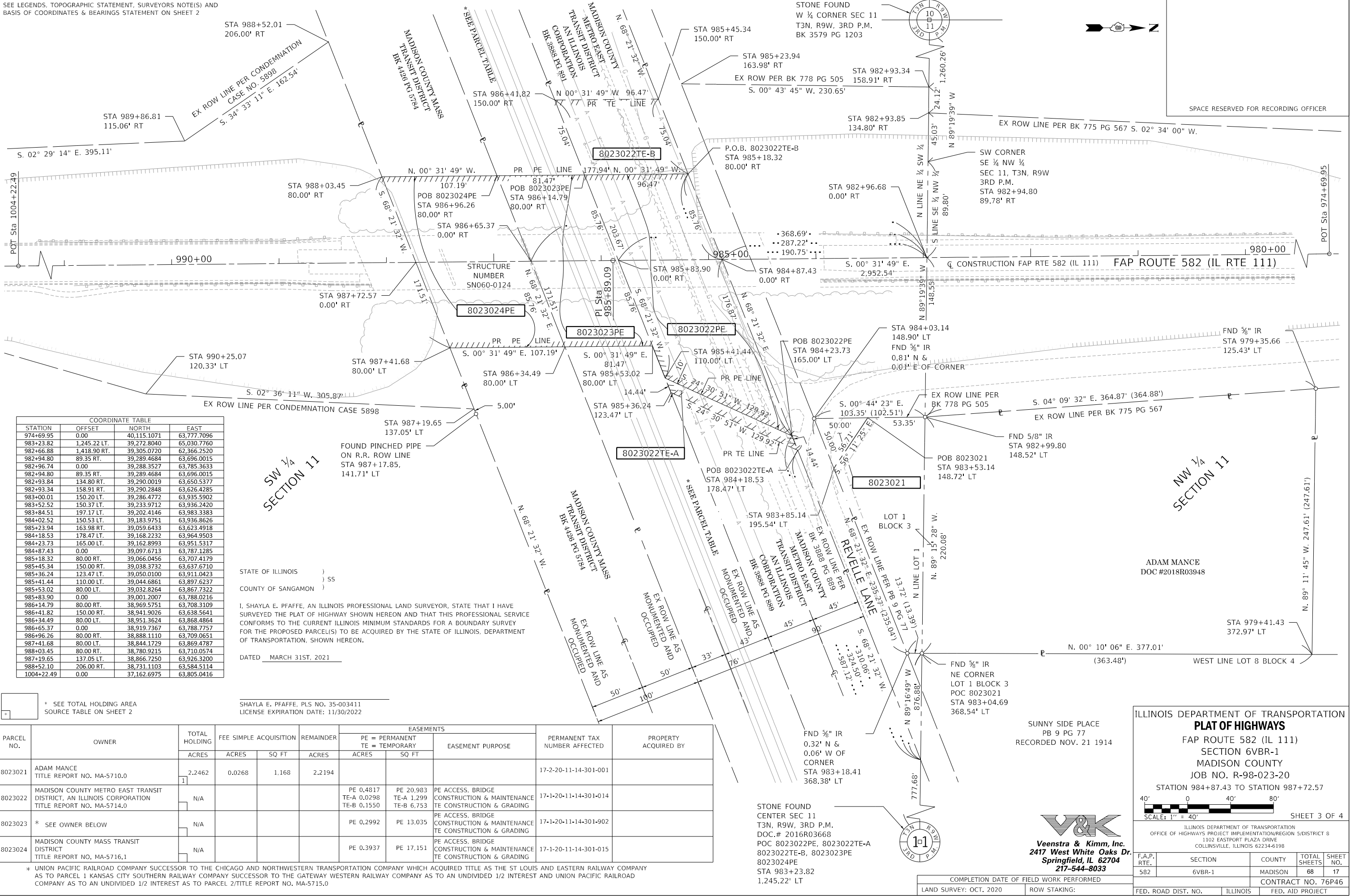
PLAT OF HIGHWAYS

FAP ROUTE 582 (IL 111)
SECTION 6VBR-1
MADISON COUNTY
JOB NO. R-98-023-20

NOT TO SCALE SHEET 2 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	16
CONTRACT NO. 76P46				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2



COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
974+69.95	0.00	40,115.1071	63,777.7096
983+23.82	1,245.22 LT.	39,272.8040	65,030.7760
982+66.88	1,418.90 RT.	39,305.0720	62,366.2520
982+94.80	89.35 RT.	39,289.4684	63,696.0015
982+96.74	0.00	39,288.3527	63,785.3633
982+94.80	89.35 RT.	39,289.4684	63,696.0015
982+93.84	134.80 RT.	39,290.0019	63,650.5377
982+93.34	158.91 RT.	39,290.2848	63,626.4285
983+00.01	150.20 LT.	39,286.4772	63,935.5902
983+52.52	150.37 LT.	39,233.9712	63,936.2420
983+84.51	197.17 LT.	39,202.4146	63,983.3383
984+02.52	150.53 LT.	39,183.9751	63,936.8626
985+23.94	163.98 RT.	39,059.6433	63,623.4918
984+18.53	178.47 LT.	39,168.2232	63,964.9503
984+23.73	165.00 LT.	39,162.8993	63,951.5317
984+87.43	0.00	39,097.6713	63,787.1285
985+18.32	80.00 RT.	39,066.0456	63,707.4179
985+45.34	150.00 RT.	39,038.3732	63,637.6710
985+36.24	123.47 LT.	39,050.0100	63,911.0423
985+41.44	110.00 LT.	39,044.6861	63,897.6237
985+53.02	80.00 LT.	39,032.8264	63,867.7322
985+83.90	0.00	39,001.2007	63,788.0216
986+14.79	80.00 RT.	38,969.5751	63,708.3109
986+41.82	150.00 RT.	38,941.9026	63,638.5641
986+34.49	80.00 LT.	38,951.3624	63,868.4864
986+65.37	0.00	38,919.7367	63,788.7757
986+96.26	80.00 RT.	38,888.1110	63,709.0651
987+41.68	80.00 LT.	38,844.1729	63,869.4787
988+03.45	80.00 RT.	38,780.9215	63,710.0574
987+19.65	137.05 LT.	38,866.7250	63,926.3200
988+52.10	206.00 RT.	38,731.1103	63,584.5114
1004+22.49	0.00	37,162.6975	63,805.0416

STATE OF ILLINOIS)
COUNTY OF SANGAMON) SS

I, SHAYLA E. PFAFFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED MARCH 31ST, 2021

SHAYLA E. PFAFFE, PLS NO. 35-003411
LICENSE EXPIRATION DATE: 11/30/2022

* SEE TOTAL HOLDING AREA
SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING	FEE SIMPLE ACQUISITION			REMAINDER		EASEMENTS		PERMANENT TAX NUMBER AFFECTED	PROPERTY ACQUIRED BY
		ACRES	ACRES	SQ FT	ACRES	ACRES	SQ FT	PE = PERMANENT	EASEMENT PURPOSE		
8023021	ADAM MANCE TITLE REPORT NO. MA-5710.0	2.2462	0.0268	1,168	2.2194					17-2-20-11-14-301-001	
8023022	MADISON COUNTY METRO EAST TRANSIT DISTRICT, AN ILLINOIS CORPORATION TITLE REPORT NO. MA-5714.0	N/A						PE 0.4817 TE-A 0.0298 TE-B 0.1550	PE ACCESS, BRIDGE CONSTRUCTION & MAINTENANCE TE CONSTRUCTION & GRADING	17-1-20-11-14-301-014	
8023023	* SEE OWNER BELOW	N/A						PE 0.2992	PE ACCESS, BRIDGE CONSTRUCTION & MAINTENANCE TE CONSTRUCTION & GRADING	17-1-20-11-14-301-902	
8023024	MADISON COUNTY MASS TRANSIT DISTRICT TITLE REPORT NO. MA-5716.1	N/A						PE 0.3937	PE ACCESS, BRIDGE CONSTRUCTION & MAINTENANCE TE CONSTRUCTION & GRADING	17-1-20-11-14-301-015	

* UNION PACIFIC RAILROAD COMPANY SUCCESSOR TO THE CHICAGO AND NORTHWESTERN TRANSPORTATION COMPANY WHICH ACQUIRED TITLE AS THE ST LOUIS AND EASTERN RAILWAY COMPANY AS TO PARCEL 1 KANSAS CITY SOUTHERN RAILWAY COMPANY SUCCESSOR TO THE GATEWAY WESTERN RAILWAY COMPANY AS TO AN UNDIVIDED 1/2 INTEREST AND UNION PACIFIC RAILROAD COMPANY AS TO AN UNDIVIDED 1/2 INTEREST AS TO PARCEL 2/TITLE REPORT NO. MA-5715.0

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 582 (IL 111)
SECTION 6VBR-1
MADISON COUNTY
JOB NO. R-98-023-20
STATION 984+87.43 TO STATION 987+72.57
40' 0 40' 80'
SCALE: 1" = 40' SHEET 3 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	17

CONTRACT NO. 76P46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

Veenstra & Kimm, Inc.
2417 West White Oaks Dr.
Springfield, IL 62704
217-544-8033

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: OCT. 2020	ROW STAKING:

SECTION CORNER AND CENTERLINE TIE SHEET

W 1/4 COR SEC 11, T.3N., R.9W. 06/04/1990 MONUMENT RECORD BK 3579 PG 1203 N=39,305.0720, E=62,366.2520	CENTER, SEC 11, T.3N., R.9W. 02/04/2016 MONUMENT RECORD DOC. NO. 2016R03668 N=39,272.8040, E=65,030.7760	CONTROL POINT VK03 N=39,221.1658, E=63,626.4768	CONTROL POINT VK04 N=38,439.1482, E=63,687.8483		



SPACE RESERVED FOR RECORDING OFFICER

NOTE: STATE AND COUNTY WHERE PLATS WERE SIGNED AND SEALED SHOULD FILLED IN BELOW

STATE OF ILLINOIS)
) SS
COUNTY OF SANGAMON)

I, SHAYLA E. PFAFFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED MARCH 31ST, 2021

SHAYLA E. PFAFFE, PLS NO. 35-003411
LICENSE EXPIRATION DATE: 11/30/2022



Veenstra & Kimm, Inc.
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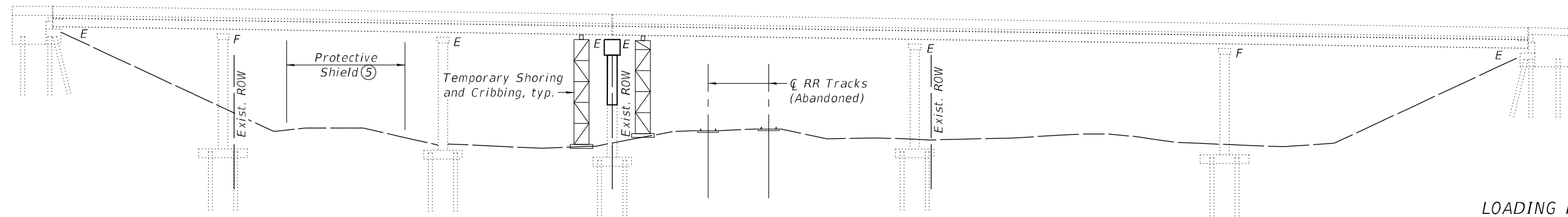
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 582 (IL 111)
SECTION 6VBR-1
MADISON COUNTY
JOB NO. R-98-023-20

NOT TO SCALE SHEET 4 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
OFFICE OF HIGHWAYS PROJECT IMPLEMENTATION/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	18
CONTRACT NO. 76P46				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,60124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-001-General Plan & Elevation.dgn

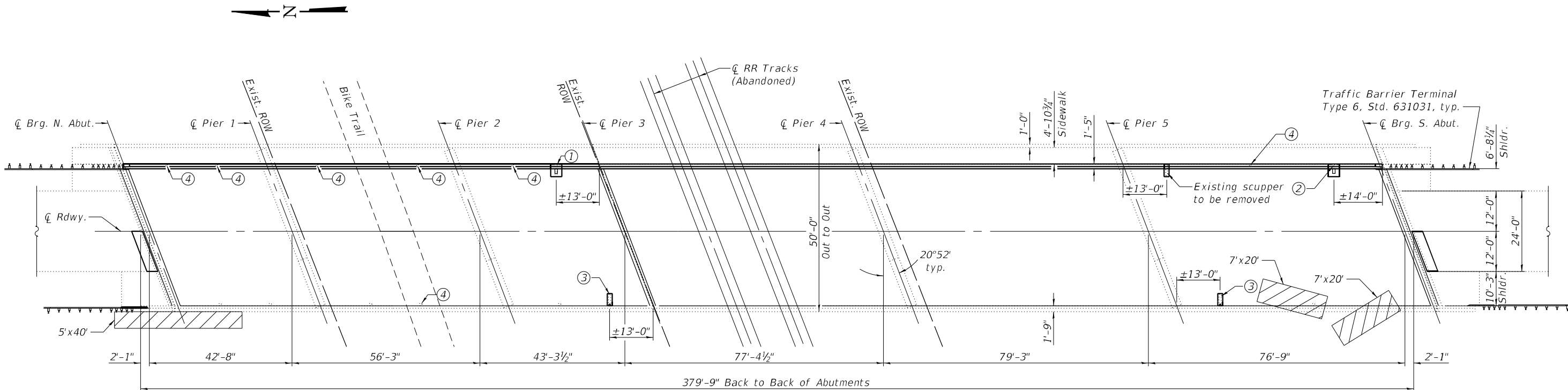


ELEVATION

LOADING HS20-44
No allowance for future wearing surface.

DESIGN STRESSES

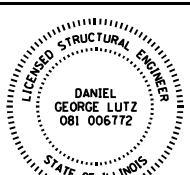
FIELD UNITS (New & 1986 Construction)
fy = 60,000 psi (Reinforcement)
FIELD UNITS (1940 Construction)
f'c = 3,500 psi
fy = 33,000 psi (Reinforcement)



PLAN

Repair erosion with Stone Riprap, Class A4

- Notes:
- ① Remove existing drainage scupper and install new DS-11 drainage scupper.
 - ② Remove existing deck drain and install new DS-11 drainage scupper.
 - ③ Remove existing drainage scupper and install new Floor Drain.
 - ④ Plug existing deck drain. See sheet 6 of 42 for details.
 - ⑤ Engineer shall determine limits in the field based on deck slab repairs.



DATE: 5/10/2024
EXPIRATION: 11/30/2024

IL 111 OVER UPRR & BIKE TRAIL
F.A.P. RTE. 582 - SEC. 6VBR-1
MADISON COUNTY
STRUCTURE NO. 060-0124



USER NAME =	DESIGNED - MAM	REVISED -
CHECKED - JAD	REVISED -	
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 5/10/2024	CHECKED - JAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 060-0124

SHEET 1 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	19
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P220022 • IDOT D8 PH 1 & 2 VAR • VAR (PTB194+054)\WO 6 • IL 111 Bridge Repairs SN 060-0122,60124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-002-General Data.dgn

SCOPE OF WORK

1. Replace expansion joint.
2. Replace steel diaphragms at abutments and Pier 3.
3. Repair beam ends.
4. Clean and paint beam ends.
5. Replace roller bearings with elastomeric bearings at abutments.
6. Jack beams at Pier 3 in a manner that allows for column and cap removal of Pier 3.
7. Construct new columns, cap, and install new elastomeric bearings at Pier 3.
8. Deck slab repair as directed by the Engineer.
9. Install waterproofing system and 1½" HMA overlay.
10. Install new parapet in front of existing sidewalk.
11. Plug existing deck drains, remove existing scuppers, and install new scuppers in front of new parapet.
12. Replace existing west scuppers with floor drains.
13. Install new curb on NW approach shoulder.
14. Structural repair of existing concrete at Pier 3.
15. Repair erosion with riprap.

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Data
3	Cross Section
4	Approach Shoulder Repairs
5	Approach Repairs
6-7	Superstructure Details
8	Drainage Scupper, DS-11
9	Preformed Joint Seal
10	Partial Framing Plan
11-13	Diaphragm & Beam Repair Details
14	Abutment Bearing Replacement Details
15	Pier 3 North Bearing Details
16	Pier 3 South Bearing Details
17	Substructure Repairs
18	Pier 3 Details
19-39	Existing Bridge Plans
40-42	Blank

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	53
Bituminous Materials (Tack Coat)	Pound	387
Longitudinal Joint Sealant	Foot	371
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N90	Ton	145
Concrete Removal	Cu. Yd.	34.8
Protective Shield	Sq. Yd.	20
Floor Drains	Each	2
Concrete Structures	Cu. Yd.	44.0
Concrete Superstructure	Cu. Yd.	53.5
Protective Coat	Sq. Yd.	173
Furnishing and Erecting Structural Steel	Pound	10,800
Reinforcement Bars, Epoxy Coated	Pound	15,310
Preformed Joint Seal 3"	Foot	103
Preformed Joint Seal 4"	Foot	52
Elastomeric Bearing Assembly, Type I	Each	28
Anchor Bolts, 1"	Each	56
Concrete Sealer	Sq. Ft.	153
Jack and Remove Existing Bearings	Each	12
Structural Steel Removal	Pound	8,000
Structural Steel Repair	Pound	6,950
Removal of Existing Bearings	Each	16
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1
Cleaning and Painting Steel Bridge No. 1	L. Sum	1
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	84
Plug Existing Deck Drains	Each	7
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	10
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10
Deck Slab Repair (Partial)	Sq. Yd.	300
Drainage Scuppers, DS-11	Each	2
Polymer Concrete	Cu. Yd.	1.1
Temporary Shoring and Cribbing	Each	16
Full Lane Sealant Waterproofing System	Sq. Yd.	1,722
Remove Existing Joint	Foot	155

PARTIAL DEPTH DECK SLAB REPAIR SCHEDULE

Location	Repair Dimensions	Number of Repairs	Special Notes
West Side	3'x3'	11	Shoulder
West Side	3'x3'	17	Lane
East Side	3'x3'	5	Shoulder
East Side	3'x3'	10	Lane
East Side	12'x12'	1	Lane
Centerline	4'x377'	1	Exist. Stage Const. Jt.

GENERAL NOTES

Fasteners shall be ASTM A325 Type I, mechanically galvanized bolts. Bolts ¾ in. Ø, holes 1⅜ in. Ø, unless otherwise noted.

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

Reinforcement bars designated (E) shall be epoxy coated.

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 existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All new structural steel and bearing assemblies shall be hot dipped galvanized according to the Special Provision for "Hot Dip Galvanizing for Structural Steel" and shall not be painted.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings, and other structural steel to remain within 5 ft. (measured along the beam) of the joints shall be cleaned per Near White Blast Cleaning (SSPC-SP10) and painted according to the requirements of paint System 1-0Z/E/U. The color of the final finish coat shall be Reddish Brown (Munsell No. 2.5YR 3/4).

A minimum of 4 air monitors will be required to monitor abrasive blasting operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

SSPC QP1 Certification is required for this Contract.

Areas of deck slab repair shown in Total Bill of Material and Partial Depth Deck Slab Repair Schedule are estimated. The Engineer shall show actual locations of deck slab repairs on as-built plans.

Area of Protective Shield shown in Total Bill of Material is estimated. Protective Shield shall be required where full depth deck slab repair is required over the bike trail. Flaggers shall be required for bike trail traffic during installation and removal of Protective Shield. Cost of flaggers shall be included in the cost of Protective Shield.

Protective coat shall be applied to new concrete surfaces only.

No equipment shall be on the approach slab while the end is removed, unless temporary support is added by the Contractor at their own expense.

Slipforming of the parapet will not be allowed.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures", and the Standard Specifications.



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 5/10/2024	CHECKED - JAD	REVISED -

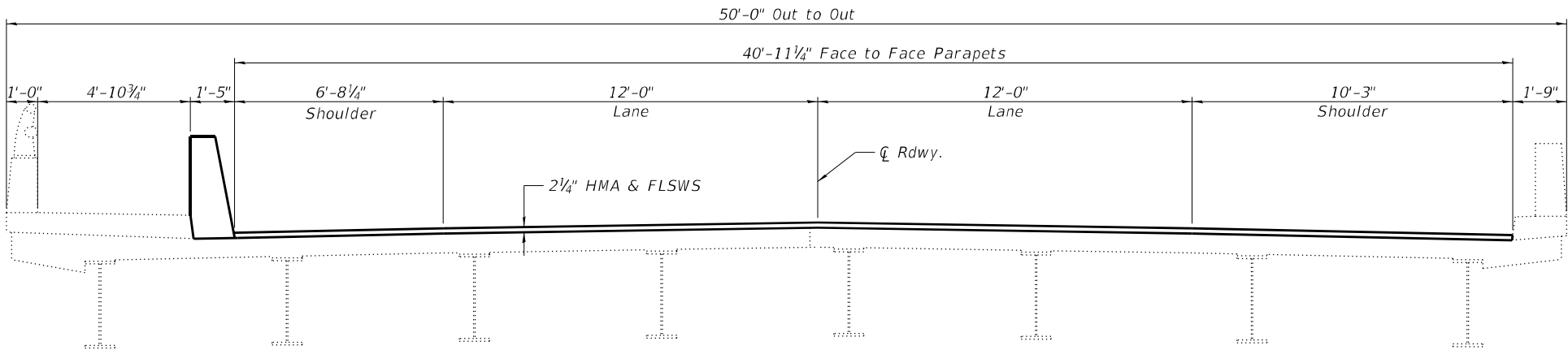
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 060-0124

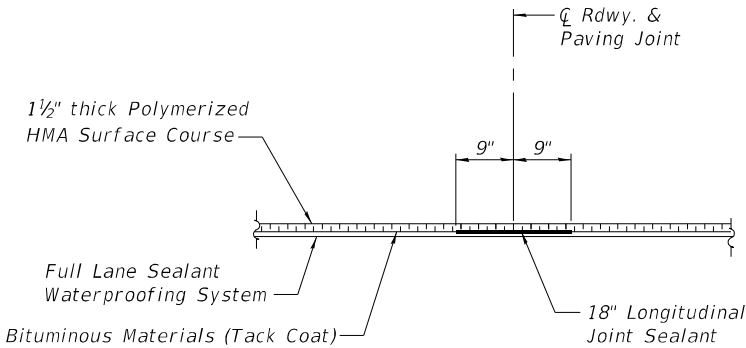
SHEET 2 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	20
		CONTRACT NO. 76P46		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB19+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-003-Cross Section.dgn



CROSS SECTION
(Looking South)



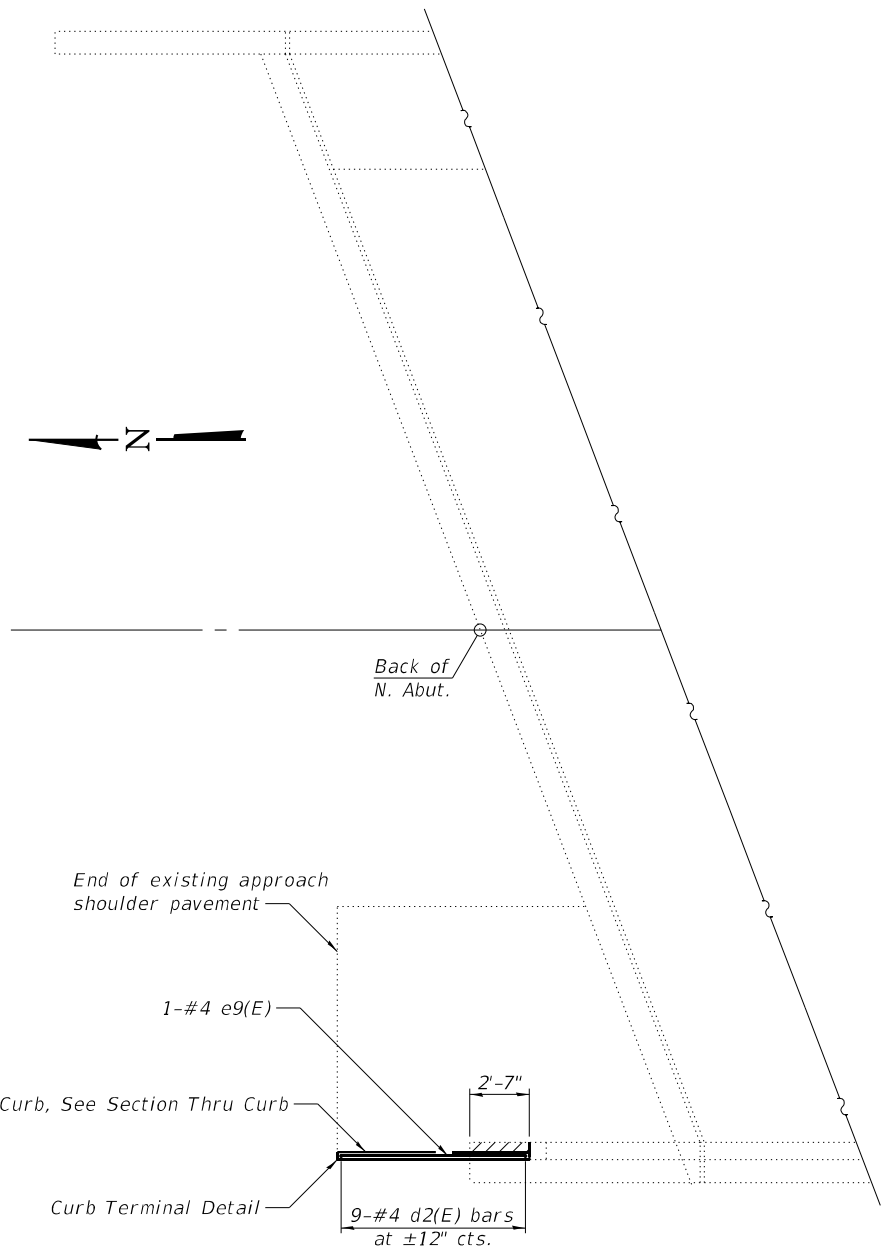
HMA & FLSWS DETAILS

- Notes:
- ① Bituminous Materials (Tack Coat), per Section 406 of the Standard Specifications, with a residual asphalt rate of 0.025 lb/sq ft shall be placed on top of the Full Lane Sealant Waterproofing System before the HMA surface is placed.
 - ② FLSWS denotes Full Lane Sealant Waterproofing System.

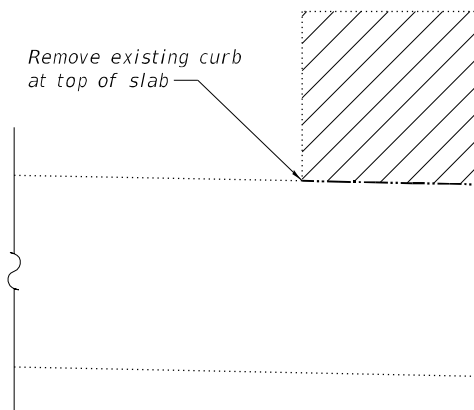
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		CHECKED - JAD	REVISED -
PLOT SCALE	=	DRAWN - MAM	REVISED -
PLOT DATE	=	CHECKED - JAD	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	21
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-004-Approach Shoulder Repairs.dgn

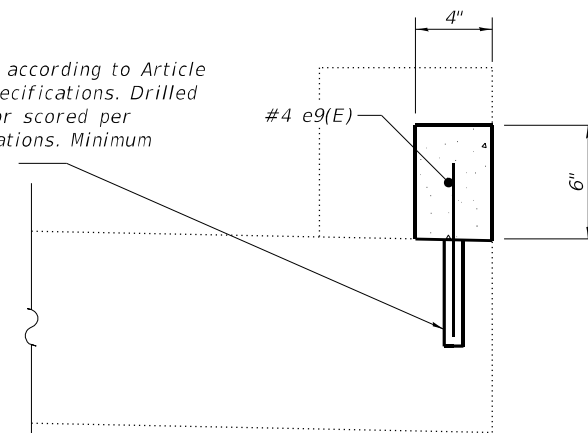


PLAN
(Hatched area indicates Concrete Removal)

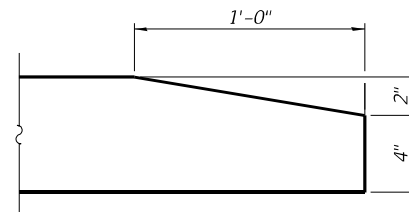


SECTION THRU CURB - EXISTING
(Hatched area indicates Concrete Removal)

Drill and set #4 d2(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Minimum depth of hole shall be 5".



SECTION THRU CURB - PROPOSED



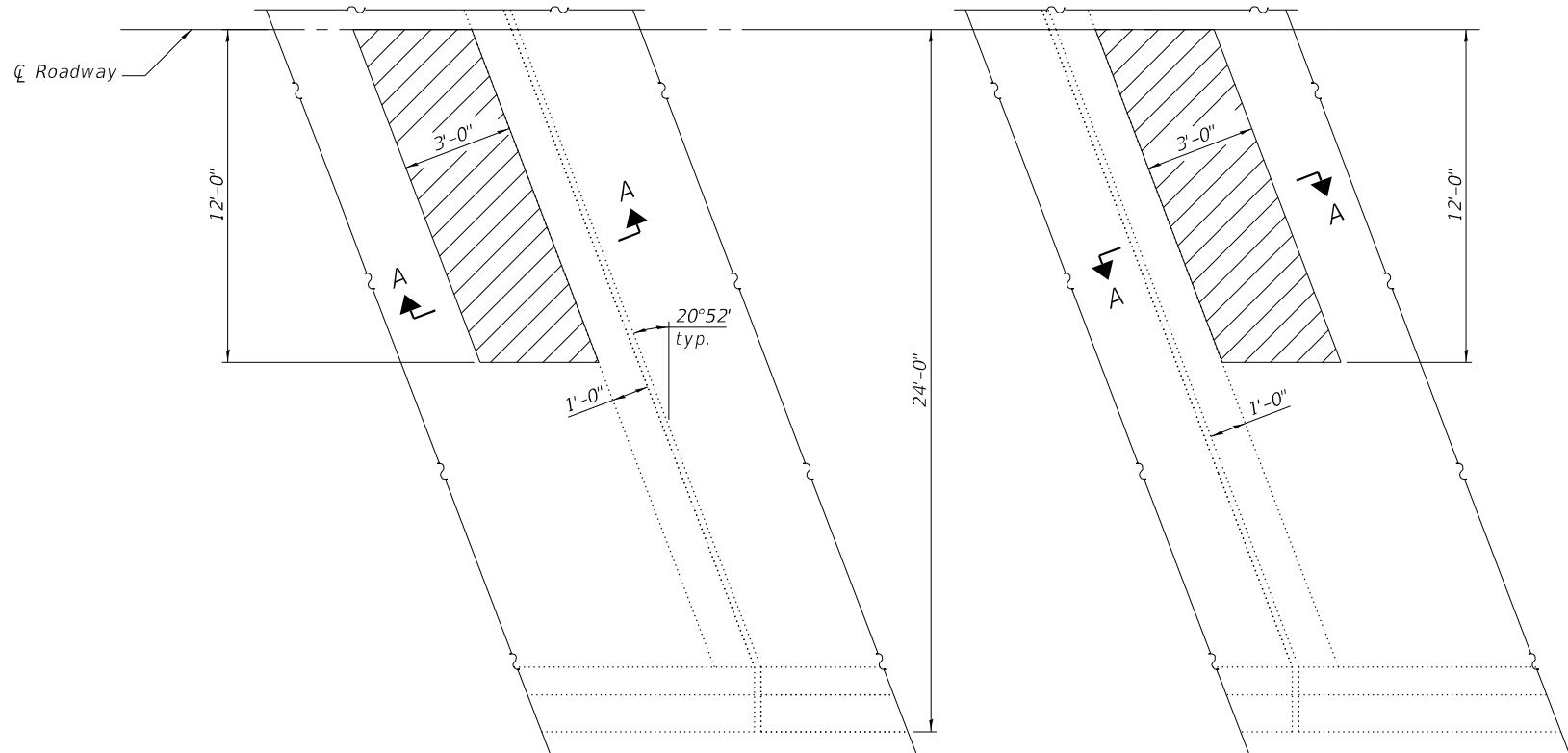
CURB TERMINAL DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d2(E)	9	#4	9"	—
e9(E)	1	#4	8'-0"	—
Concrete Removal			Cu. Yd.	0.1
Concrete Superstructure			Cu. Yd.	0.1
Reinforcement Bars, Epoxy Coated			Pound	10

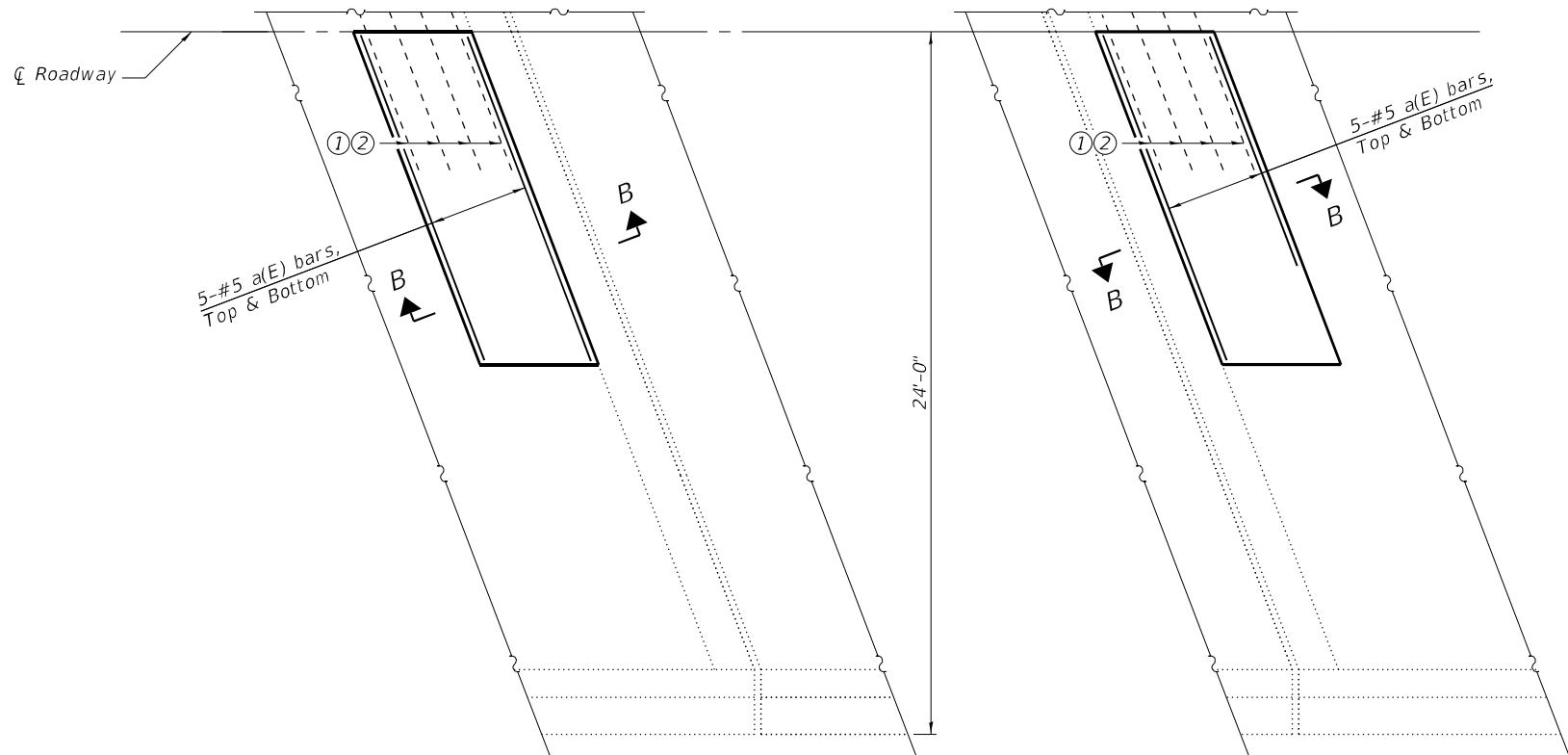
Notes:
① Concrete in new curb shall be paid for as Concrete Superstructure.

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,60124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-005-Approach Repairs.dgn



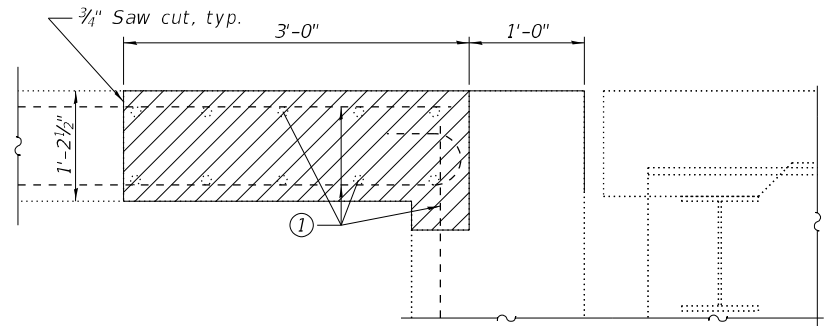
NORTH APPROACH REMOVAL

SOUTH APPROACH REMOVAL

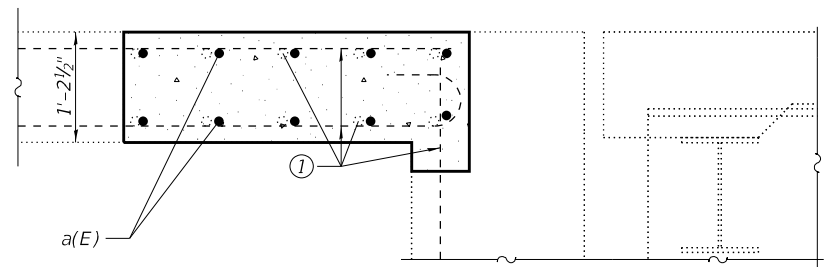


NORTH APPROACH REPAIR

SOUTH APPROACH REPAIR



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



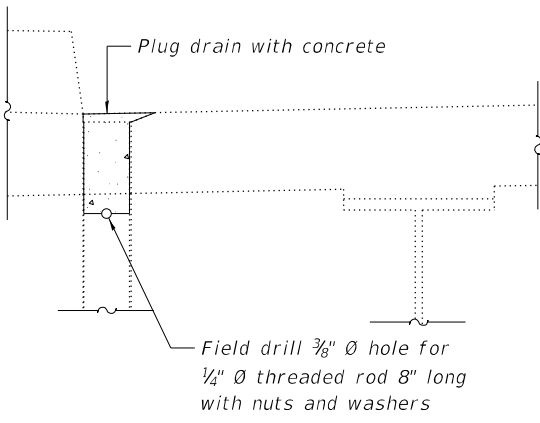
SECTION B-B
(Dim. at Rt. L's)

BILL OF MATERIAL

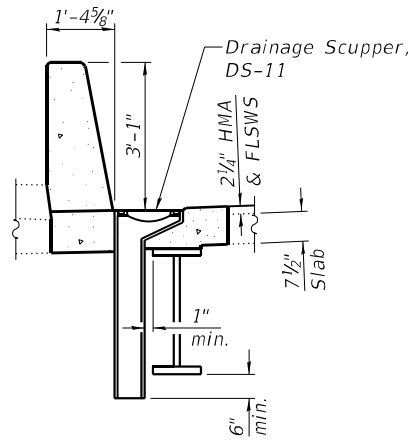
Bar	No.	Size	Length	Shape
a(E)	20	#5	12'-6"	
Concrete Removal			Cu. Yd.	3.7
Concrete Superstructure			Cu. Yd.	3.7
Reinforcement Bars, Epoxy Coated			Pound	260

- Notes:
- Existing reinforcement extending into the removal area as shown 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. Cost shall be included with Concrete Removal.
 - Existing reinforcement in approach pavement may be cut such that it extends no less than 3'-6" into new concrete.
 - Hatched area indicates Concrete Removal.

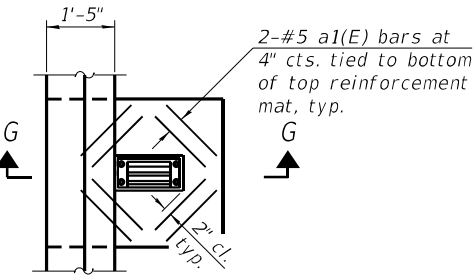
FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB19+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-006-Superstructure Details.dgn



DRAIN PLUG DETAIL

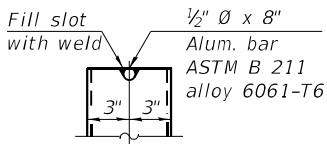


SECTION G-G ①

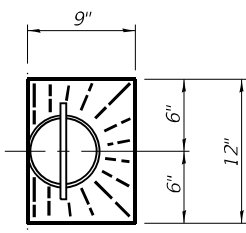


PLAN ①

Note:
Cut longitudinal reinforcement to clear drainage scuppers.

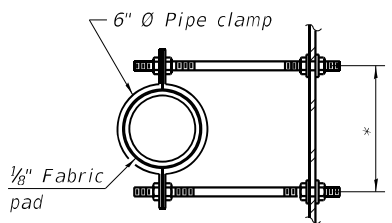


ALUMINUM TUBE



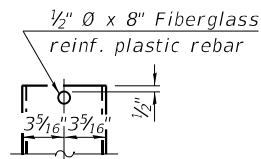
TOP PLAN

Existing and new floor drains

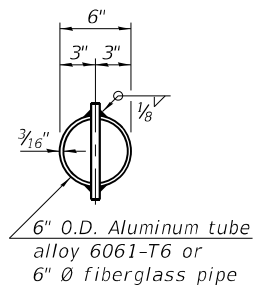


SECTION H-H

*Dimension as required by pipe clamp

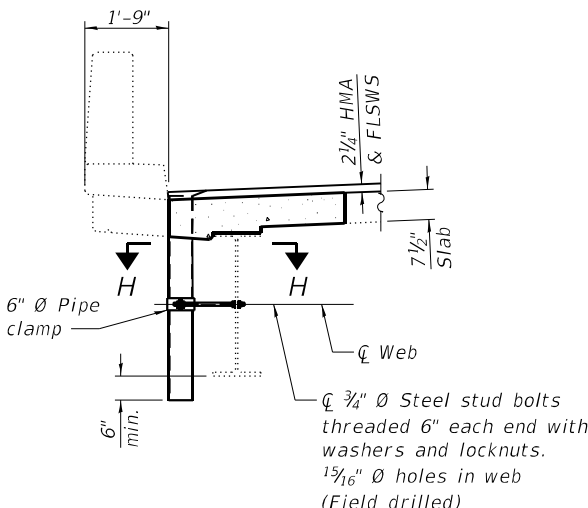


FIBERGLASS PIPE

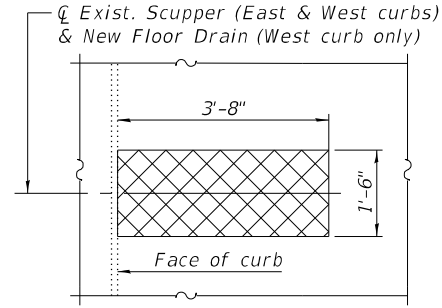


TOP PLAN

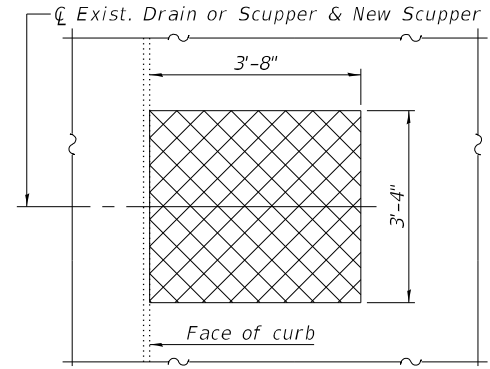
(Showing aluminum tube)



SECTION THRU FLOOR DRAIN ①



SCUPPER REMOVAL ①



DRAIN AND SCUPPER REMOVAL FOR NEW SCUPPER ①

- Notes:
- ① Cost of concrete removal and replacement and removal of existing scupper or drain is included in the cost of Deck Slab Repair (Full Depth, Type II). For location of scupper or drain removal, see sheet 1 of 42.
 - ② Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 - ③ The exterior surfaces of the floor drains shall be painted according to Article 506 with the finish coat as specified. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coatings Spec. SSPC-SP1 prior to painting.
 - ④ The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
 - ⑤ The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
 - ⑥ For Drainage Scupper details, see sheet 8 of 42.
 - ⑦ FLSWS denotes Full Lane Sealant Waterproofing System.



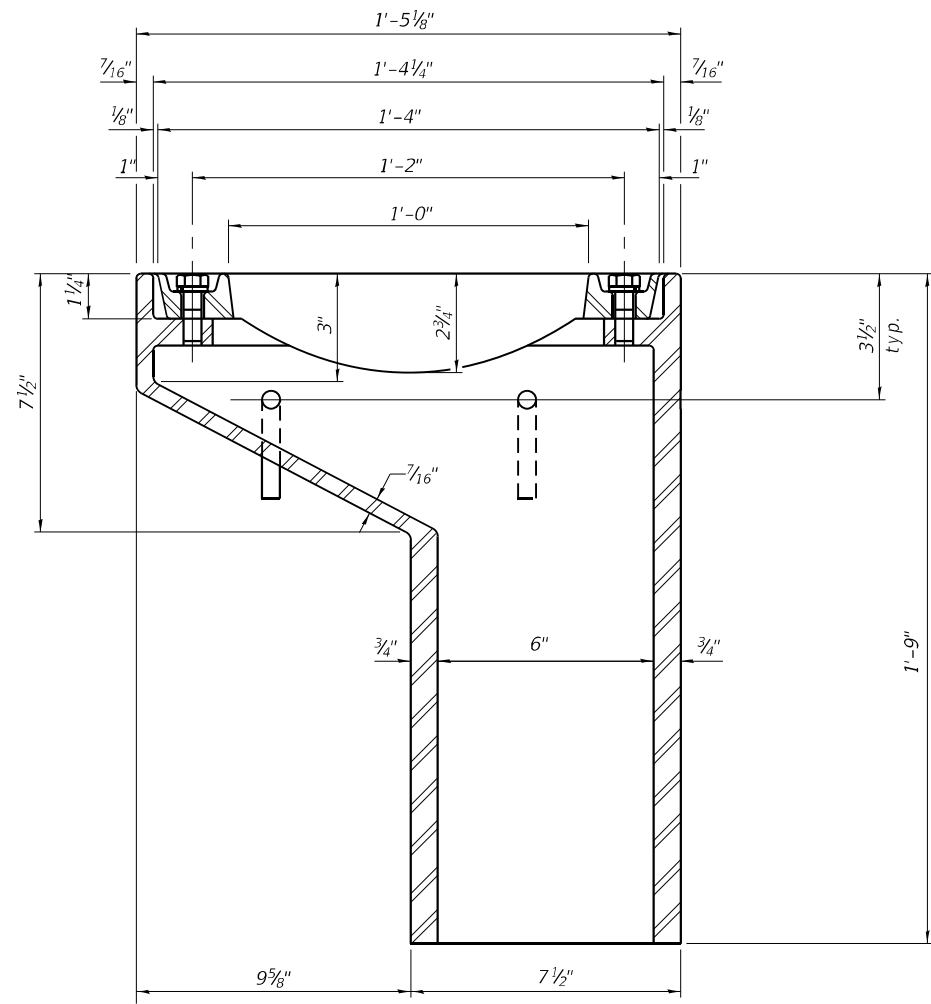
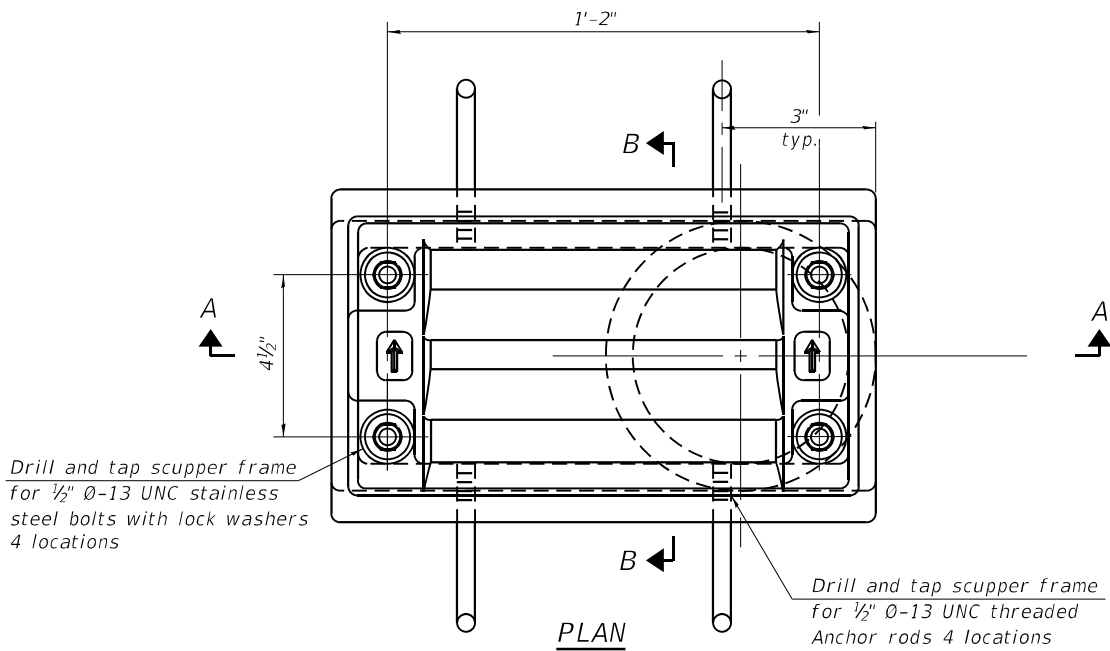
USER NAME =	DESIGNED - ETH	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - ETH	REVISED -
PLOT DATE = 5/10/2024	CHECKED - JAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

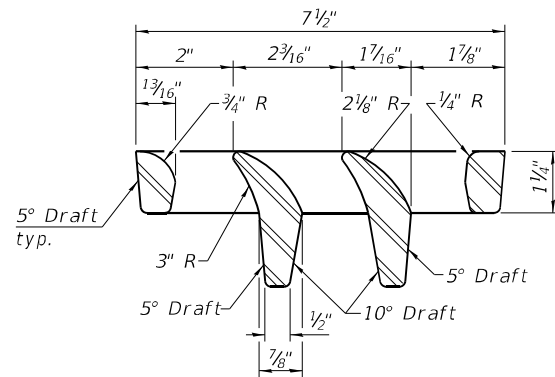
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 060-0124

SHEET 6 OF 42 SHEETS

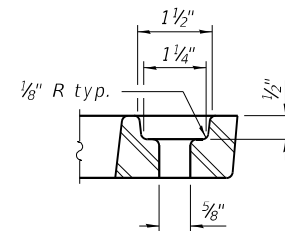
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	24
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				



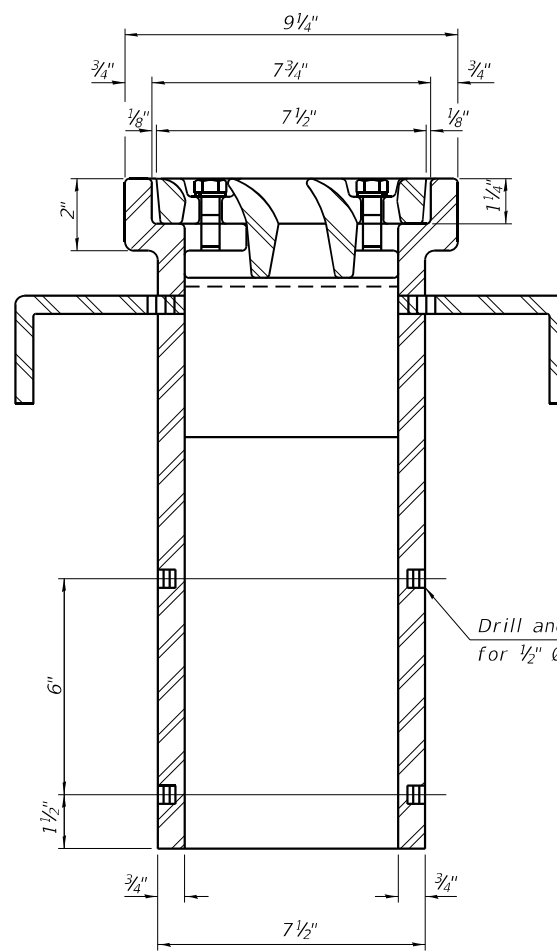
SECTION A-A
See sheet 8 of 42 for scupper
location relative to parapet.



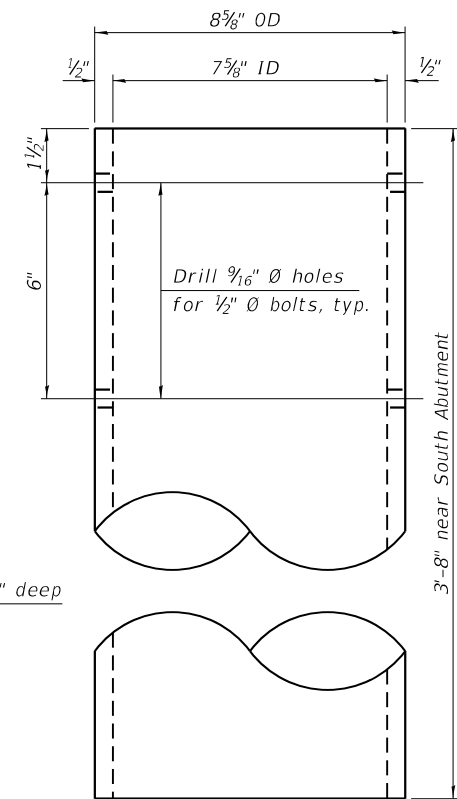
VANE GRATE DETAIL



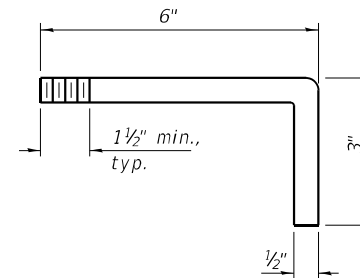
GRATE BOLT HOLE DETAIL



SECTION B-B



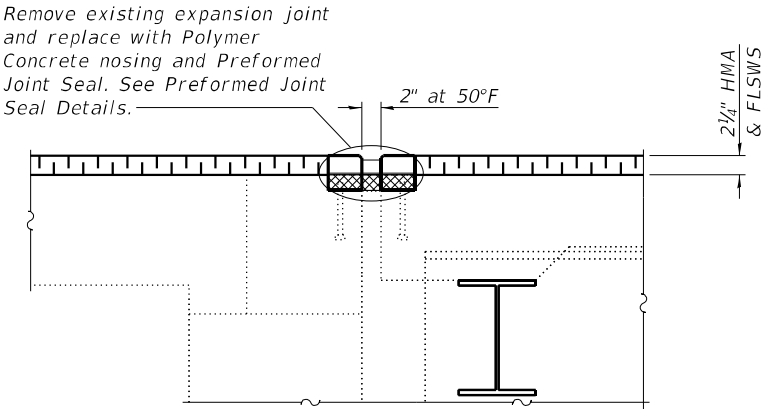
DOWNSPOUT



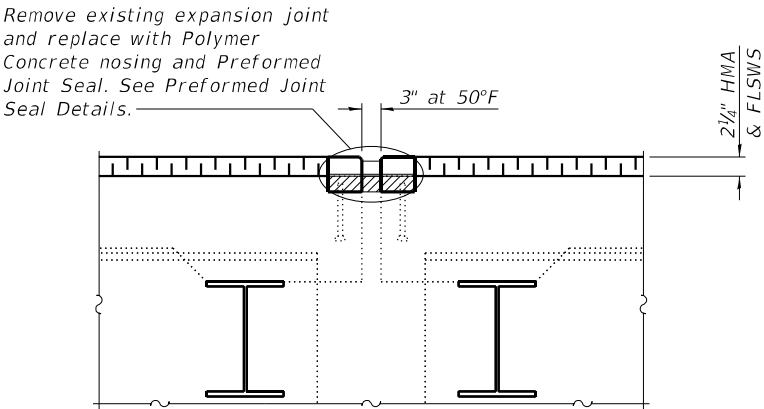
ANCHOR ROD DETAIL

<i>Item</i>	<i>Unit</i>	<i>Total</i>
<i>Drainage Scupper, DS-11</i>	<i>Each</i>	<i>2</i>

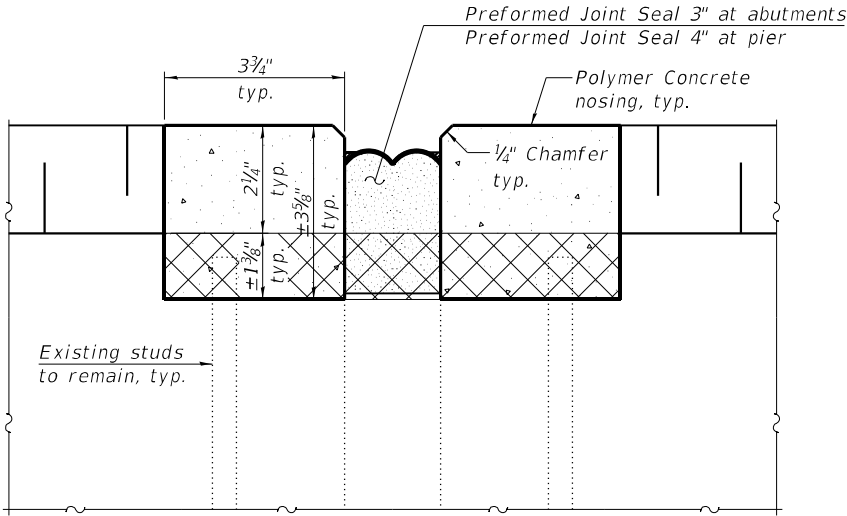
FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-009-Preformed Joint Seal.dgn



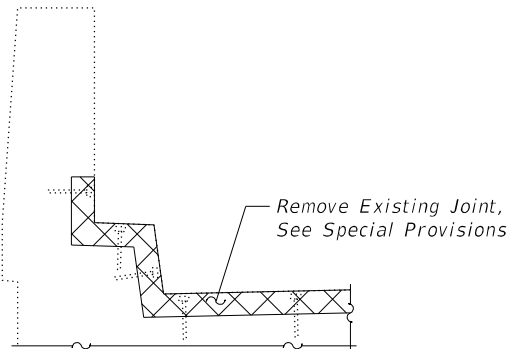
SECTION AT ABUTMENTS
(Dim. at Rt. L's)



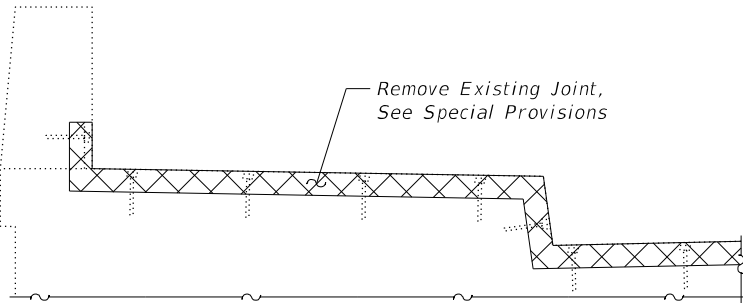
SECTION AT PIER 3
(Dim. at Rt. L's)



PREFORMED JOINT SEAL DETAILS



AT PARAPET



AT SIDEWALK

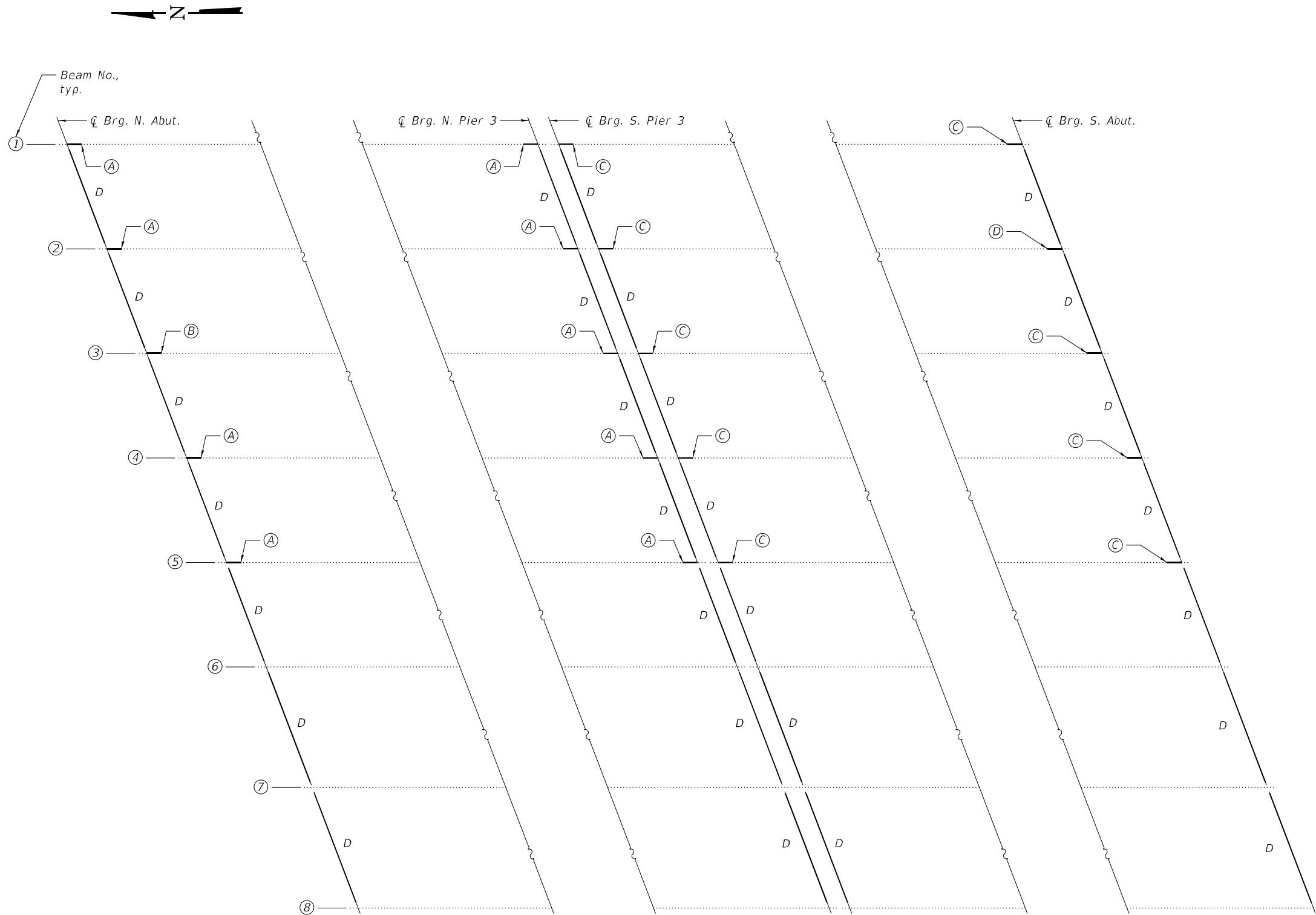
EXISTING JOINT REMOVAL

- Notes:
- ① FLSWS denotes Full Lane Sealant Waterproofing System.
 - ② Hatched area indicates expansion joint removal.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Seal, 3"	Foot	103
Preformed Joint Seal, 4"	Foot	52
Polymer Concrete	Cu. Yd.	1.1
Remove Existing Joint	Foot	155

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194-054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-010-Partial Framing Plan.dgn



PARTIAL FRAMING PLAN

- (A) - Repair A
- (B) - Repair B
- (C) - Repair C
- (D) - Repair D



USER NAME =	DESIGNED - MAM	REVISED -
	CHECKED - JAD	REVISED -
PLOT SCALE =	DRAWN - MAM	REVISED -
PLOT DATE = 5/10/2024	CHECKED - JAD	REVISED -

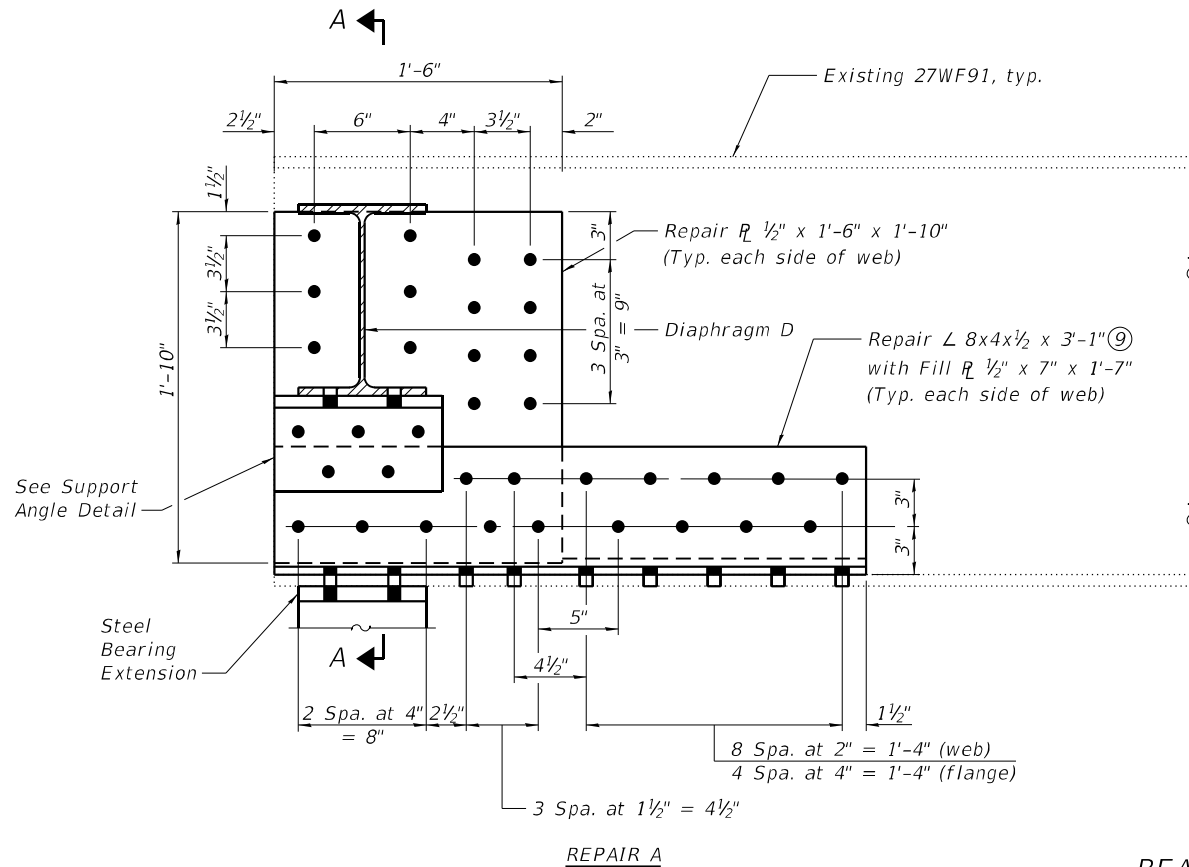
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARTIAL FRAMING PLAN
STRUCTURE NO. 060-0124

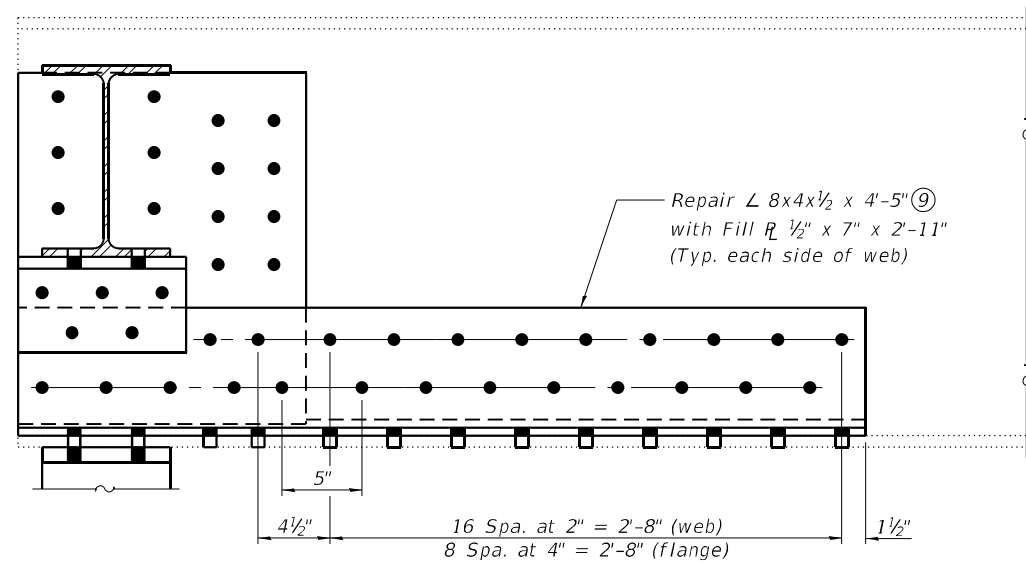
SHEET 10 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	28
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-011-Diaphragm & Beam Repair Details.dgn



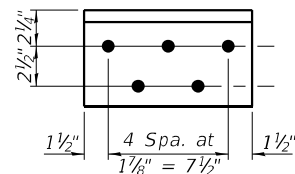
REPAIR A



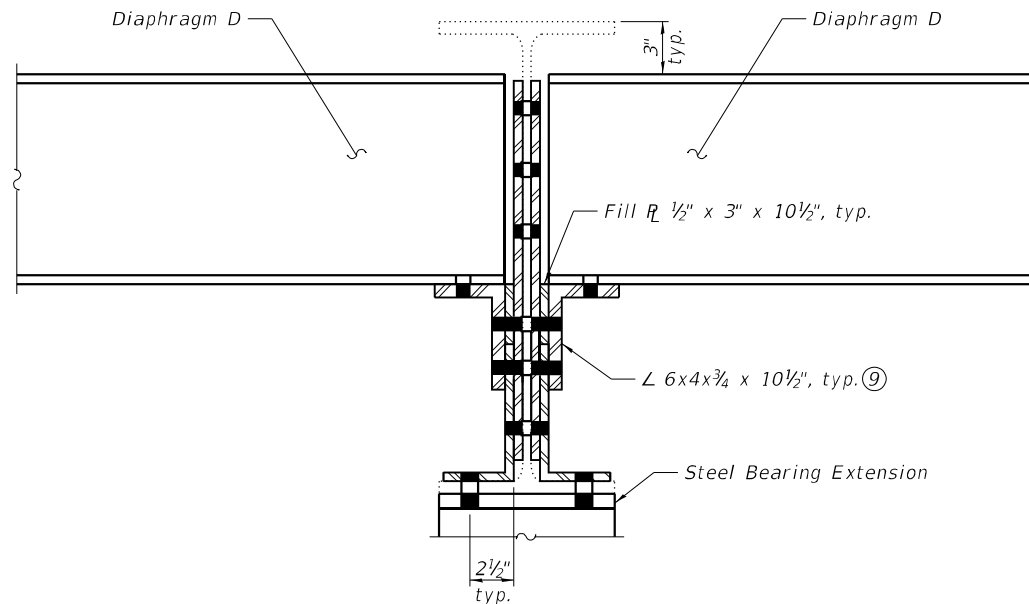
REPAIR B

(For details not shown, see Repair A)

BEAM END REPAIRS ⑤



SUPPORT ANGLE DETAIL



SECTION A-A

BOLT HOLE LEGEND ⑥

- Field drill holes
- Shop drill holes

Notes:

- ① All structural steel shall be AASHTO M 270 Grade 36, unless otherwise noted.
- ② Cost of furnishing and erecting steel diaphragms and diaphragm support angles shall be included with Furnishing and Erecting Structural Steel.
- ③ Cost of furnishing and erecting steel for beam end repairs shall be included with Structural Steel Repair.
- ④ Removal of existing diaphragm support angles, where required, and diaphragms shall be included in Structural Steel Removal.
- ⑤ Omit diaphragm support angle on outside face of Beam 1.
- ⑥ All holes in existing steel shall be field drilled using shop drilled holes in new steel as a template, except as noted.
- ⑦ Existing diaphragm support angle to be removed using the air-arc method and grind smooth all weld material remaining on the web. Cost included with the Structural Steel Removal.
- ⑧ For Diaphragm D details, see sheet 13 of 42.
- ⑨ Equivalent bent plate may be used in lieu of angle shown.

Technical drawing showing the cross-section and elevation of a steel beam repair. The drawing includes dimensions and material specifications for the existing beam and the repair materials.

Existing Beam: Existing 36WF160, typ.

Repair Details:

- Repair $\angle \frac{1}{2}'' \times 1'-6'' \times 2'-6\frac{1}{2}''$ (Typ. each side of web)
- Diaphragm D
- Repair $\angle 8 \times 4 \times \frac{1}{2}'' \times 3'-1''$ (9) with Fill $\angle \frac{1}{2}'' \times 7'' \times 1'-7''$ (Typ. each side of web)

Dimensions:

- Overall width: 1'-6"
- Overall height: 2'-6 $\frac{1}{2}''$
- Web thickness: $\frac{1}{2}''$
- Flange thickness: $\frac{1}{2}''$
- Repair plate thickness: $\frac{1}{2}''$
- Repair plate width: 1'-6"
- Repair plate height: 2'-6 $\frac{1}{2}''$
- Repair plate spacing: 4 Spa. at $3\frac{3}{4}'' = 1'-3''$
- Repair plate spacing: 2 Spa. at $2\frac{3}{8}'' = 4\frac{3}{4}''$
- Repair plate spacing: 4 Spa. at $1\frac{1}{2}'' = 6''$
- Repair plate spacing: 8 Spa. at $2'' = 1'-4''$ (web)
- Repair plate spacing: 4 Spa. at $4'' = 1'-4''$ (flange)

Notes:

- See Support Angle Detail
- Steel Bearing Extension

See Support
Angle Detail—

BOLT HOLE LEGEND ⑥

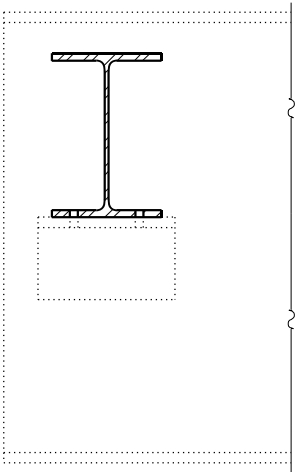
- ## BEAM END REPAIRS ⑤



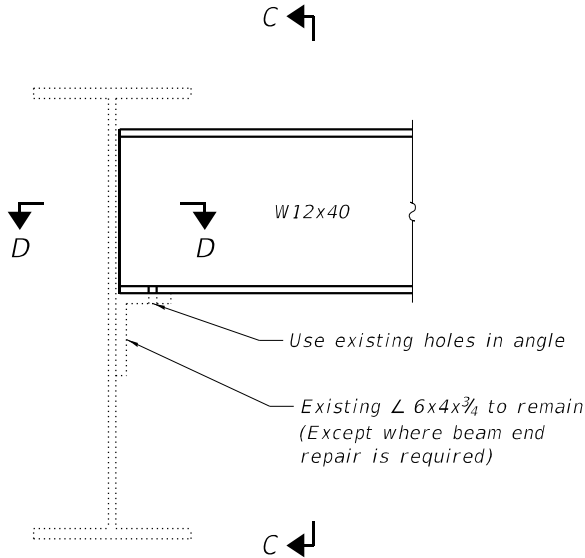
(For details not shown, see Repair C)

- ① All structural steel shall be AASHTO M 270 Grade 36, unless otherwise noted.
- ② Cost of furnishing and erecting steel diaphragms and diaphragm support angles shall be included with Furnishing and Erecting Structural Steel.
- ③ Cost of furnishing and erecting steel for beam end repairs shall be included with Structural Steel Repair.
- ④ Removal of existing diaphragm support angles, where required, and diaphragms shall be included in Structural Steel Removal.
- ⑤ Omit diaphragm support angle on outside face of Beam 1.
- ⑥ All holes in existing steel shall be field drilled using shop drilled holes in new steel as a template, except as noted.
- ⑦ Existing diaphragm support angle to be removed using the air-arc method and grind smooth all weld material remaining on the web. Cost included with the Structural Steel Removal.
- ⑧ For Diaphragm D details, see sheet 13 of 42.
- ⑨ Equivalent bent plate may be used in lieu of angle shown.

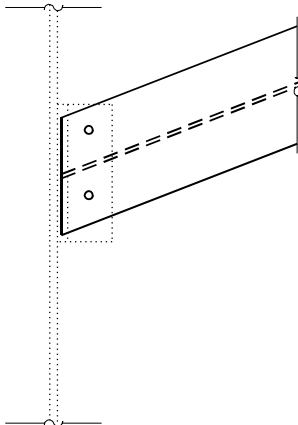
FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,00124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-013-Diaphragm & Beam Repair Details.dgn



SECTION C-C



ELEVATION



SECTION D-D

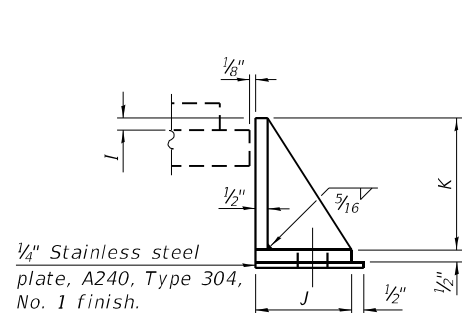
DIAPHRAGM D ③

BILL OF MATERIAL

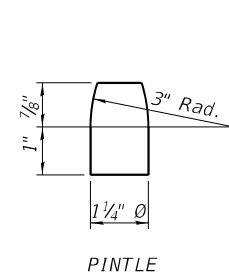
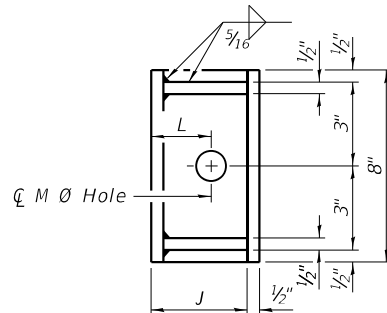
Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	8,190
Structural Steel Removal	Pound	8,000
Structural Steel Repair	Pound	6,950

- Notes:
- ① All structural steel shall be AASHTO M 270 Grade 36, unless otherwise noted.
 - ② Cost of furnishing and erecting steel diaphragms and diaphragm support angles shall be included with Furnishing and Erecting Structural Steel.
 - ③ Diaphragm D details shown for locations without beam end repairs. Details at locations with beam end repairs similar, see Section A-A on sheet 11 of 42 and Section B-B on sheet 12 of 42.

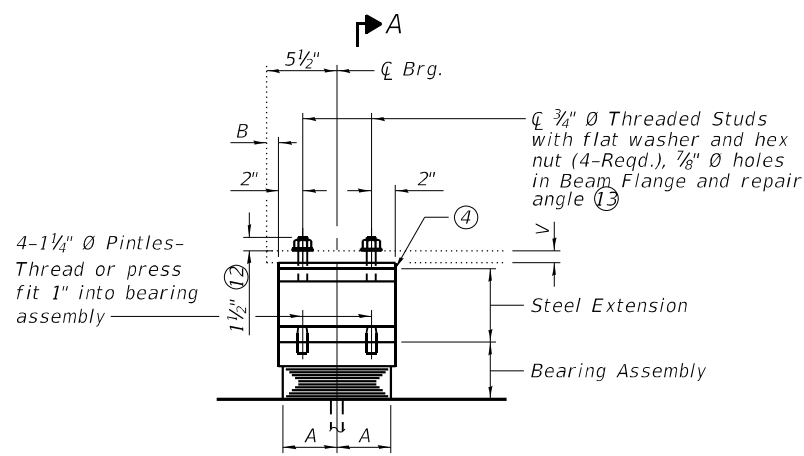
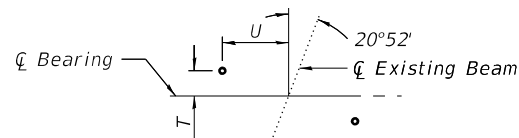
Note:
Shim plates shall not be placed
under bearing assembly.



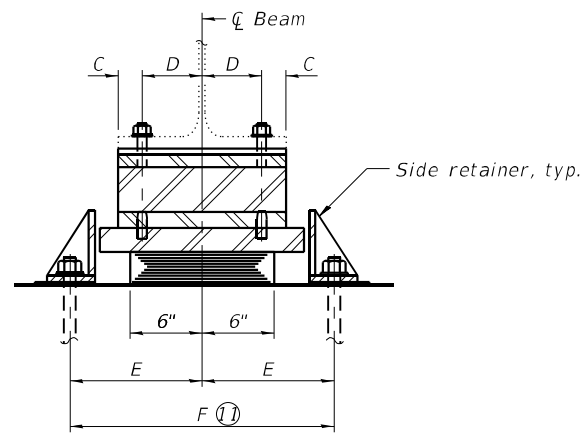
*Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.*



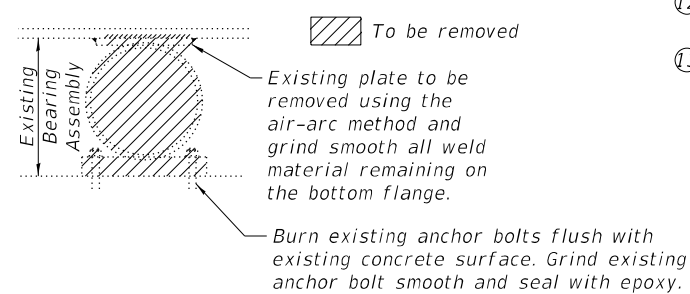
ANCHOR BOLT LAYOUT



ELEVATION

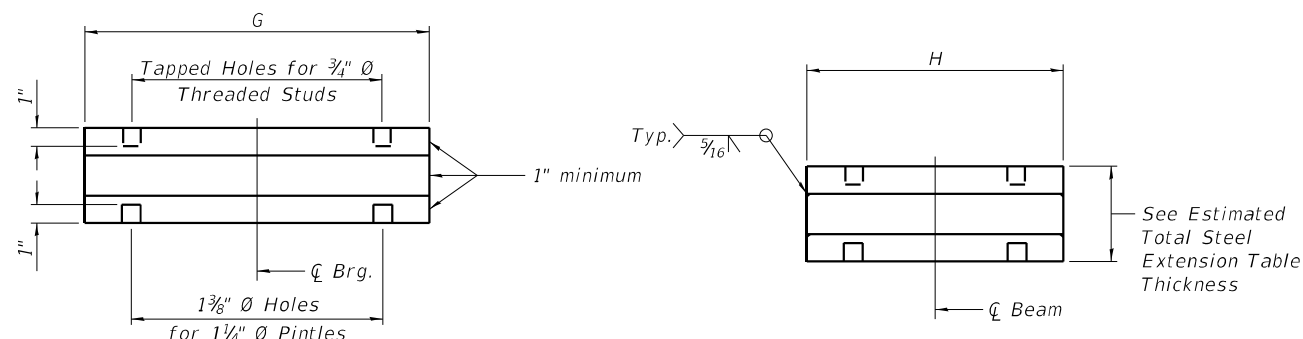


SECTION A-A



EXISTING BEARING REMOVAL DETAIL ①

TYPE I ELASTOMERIC EXP. BRG.



END VIEW

STEEL EXTENSION
12 Required

DIMENSION TABLE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
North Abutment	3½"	1½"	1¾"	3¼"	9¼"	1'-6½"	8"	10"	9⅞"	4¼"	2⅝"	2½"	1¼"	4"	1⅝"	2¾"	7"	3	2	3¼"	8⅝"	¾"
South Abutment	4½"	½"	2⅞"	3⅞"	9¼"	1'-6½"	10"	12"	½"	5½"	3½"	2⅞"	1¼"	6"	2¼"	3¼"	9"	5	4	3¼"	8⅝"	1"

- ① Cost included with Jack and Remove Existing Bearings.
- ② The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
- ③ Two $\frac{1}{2}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on the bearing details.
- ④ Adjusting shim plates, if necessary, shall be placed on top of Steel Extension. No more than two shim plates may be used at each bearing.
- ⑤ Anchor bolts for side retainers shall be installed in drilled holes according Article 521.06 of the Standard Specifications.
- ⑥ Side retainers, stainless steel plates, and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
- ⑦ Cost of Steel Extensions, shim plates, threaded studs and pintles included with Furnishing and Erecting Structural Steel.
- ⑧ Prior to ordering any material, the Contractor shall verify in the field all bearing and steel extension dimensions.
- ⑨ Minimum jack capacity = 15 Tons North Abutment
Minimum jack capacity = 32 Tons South Abutment
(Includes weight of all steel, concrete, and HMA).
- ⑩ If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.
- ⑪ $\frac{1}{4}$ 1" $\emptyset$ x 12" All-thread anchor bolts (ASTM F1554 Grade 55) with $2\frac{1}{4}$ " x $2\frac{1}{4}$ " x $\frac{5}{16}$ " $\overline{R}$ washer under nut.
- ⑫ Threaded stud shall extend $1\frac{1}{2}$ " above steel beam repair angle at Beams 1-5 and $1\frac{1}{2}$ " above bottom flange at Beam 6.
- ⑬ $\frac{3}{4}$ " $\emptyset$ Threaded studs shall be placed in the field.

INTERIOR BEAM REACTION TABLE

	North Abutment	South Abutment
R_Q (k)	19.8	41.6
R_L (k)	33.4	37.6
R_I (k)	9.9	9.3
R_{Total} (k)	63.1	88.5

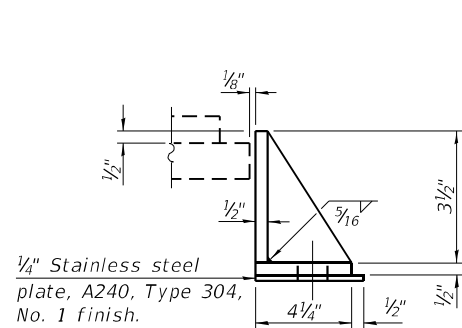
ESTIMATED TOTAL STEEL EXTENSION THICKNESS TABLE

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6
North Abutment	4 $\frac{7}{16}$ "	4 $\frac{1}{16}$ "	4 $\frac{7}{16}$ "	3 $\frac{5}{16}$ "	3 $\frac{1}{16}$ "	3 $\frac{5}{16}$ "
South Abutment	4 $\frac{3}{8}$ "	3 $\frac{3}{8}$ "	3 $\frac{1}{8}$ "	3 $\frac{3}{8}$ "	4 $\frac{3}{8}$ "	5"

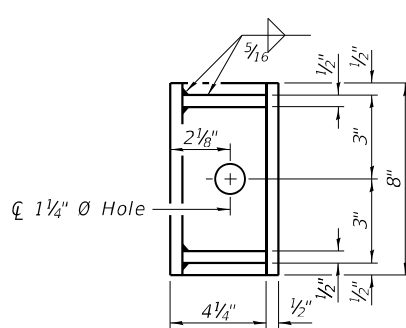
BILL OF MATERIAL

<i>Item</i>	<i>Unit</i>	<i>Total</i>
<i>Furnishing and Erecting Structural Steel</i>	<i>Pound</i>	<i>1,510</i>
<i>Elastomeric Bearing Assembly, Type I</i>	<i>Each</i>	<i>12</i>
<i>Anchor Bolts, 1"</i>	<i>Each</i>	<i>24</i>
<i>Jack and Remove Existing Bearings</i>	<i>Each</i>	<i>12</i>

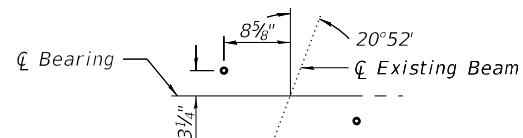
Note:
Shim plates shall not be placed
under bearing assembly.



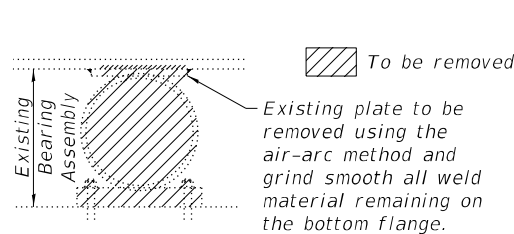
*Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.*



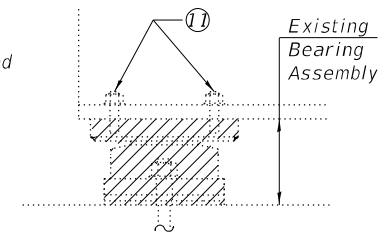
ANCHOR BOLT LAYOUT



- Notes:
- ① Cost included with Removal of Existing Bearings.
 - ② The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
 - ③ Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on the bearing details.
 - ④ Adjusting shim plates, if necessary, shall be placed on top of Steel Extension. No more than two shim plates may be used at each bearing.
 - ⑤ Side retainers, stainless steel plates, and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
 - ⑥ Cost of Steel Extensions and bolts included with Furnishing and Erecting Structural Steel.
 - ⑦ Prior to ordering any material, the Contractor shall verify in the field all bearing and steel extension dimensions.
 - ⑧ Minimum jack capacity = 15 Tons (Includes weight of all steel, concrete, and HMA).
 - ⑨ If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.
 - ⑩ $\frac{1}{4}$ 1" $\varnothing$ x 12" All-thread anchor bolts (ASTM F1554 Grade 55) with $2\frac{1}{4}$ " x $2\frac{1}{4}$ " x $\frac{3}{16}$ " R washer under nut.
 - ⑪ Existing nuts and bolts to be removed with existing bearing assembly. Holes in bottom flange shall be cleaned of all heavy or loose rust and other loose foreign material, tightly adhered paint may remain. Cleaning shall be accomplished by methods that will not damage the steel.



EXISTING BEARING REMOVAL DETAIL ①

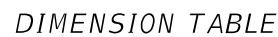


INTERIOR BEAM REACTION TABLE

$R_{\mathcal{L}}$	(k)	19.8
$R_{\mathcal{L}}$	(k)	33.4
R_I	(k)	9.9
R_{Total}	(k)	63.1

STEEL EXTENSION HEIGHT TABLE

Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8
8"	7 $\frac{7}{8}$ "	8 $\frac{1}{4}$ "	7 $\frac{1}{4}$ "	8 $\frac{1}{2}$ "	8 $\frac{5}{8}$ "	5"	6"



	A	B	C	D	E	F	G
Beams 1-6	1¾"	3¼"	2"	2"	3¾"	3¼"	¾"
Beams 7 & 8	2"	3"	1½"	2½"	4"	3"	¾"

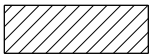
STEEL EXTENSION
8 Required



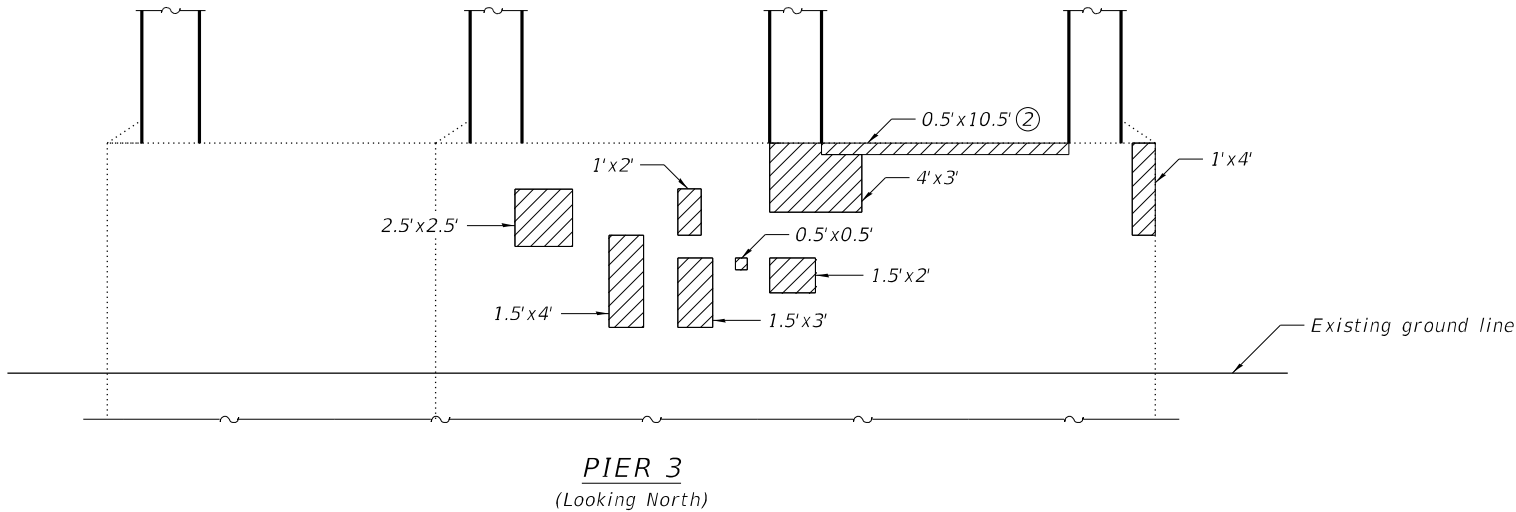
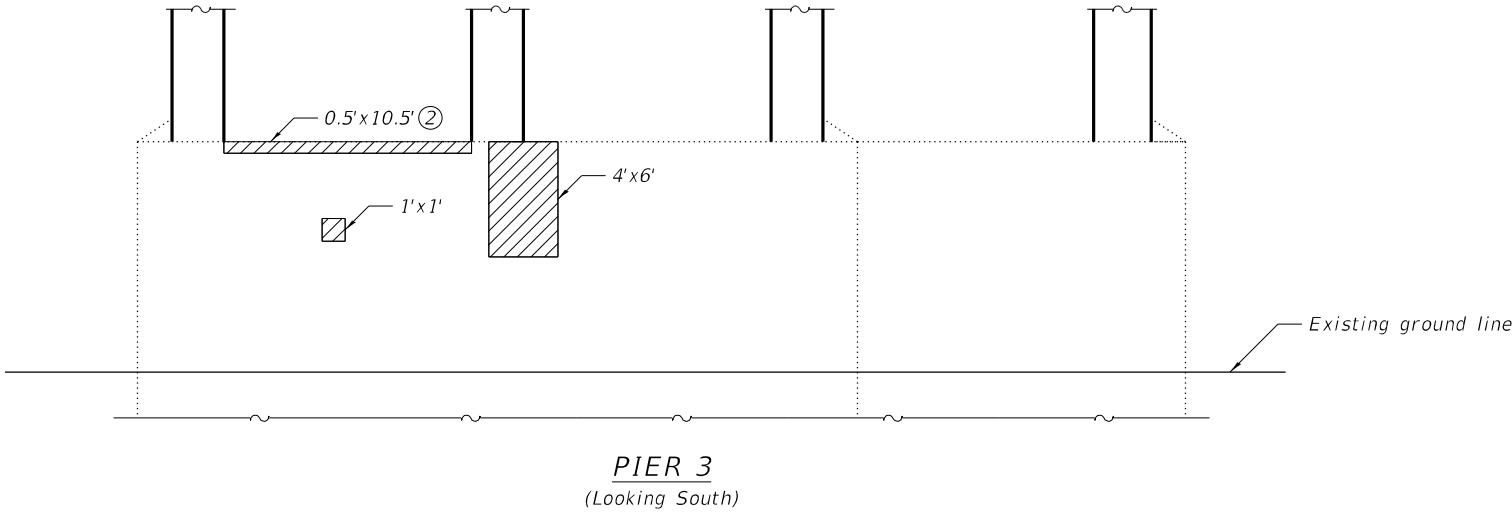
BILL OF MATERIAL

<i>Item</i>	<i>Unit</i>	<i>Total</i>
<i>Furnishing and Erecting Structural Steel</i>	<i>Pound</i>	<i>1,080</i>
<i>Elastomeric Bearing Assembly, Type I</i>	<i>Each</i>	<i>8</i>
<i>Anchor Bolts, 1"</i>	<i>Each</i>	<i>16</i>
<i>Removal of Existing Bearings</i>	<i>Each</i>	<i>8</i>

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB)194-054\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-017-Substructure Repairs.dgn



Structural Repair of Concrete
(Depth Equal to or Less than 5 Inches)

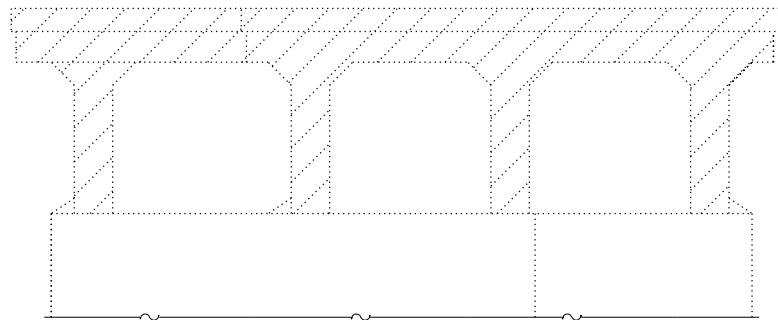


BILL OF MATERIAL

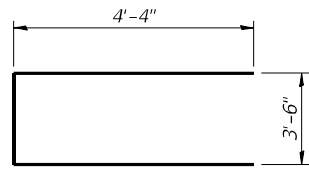
Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	84

Notes:
① Repair areas shown are estimated. The Engineer shall determine the repair areas and show actual locations on the as-built plans.
② Each face of corner.

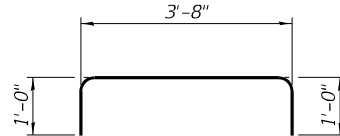
FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR (PTB19+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-018-Pier 3 Details.dgn



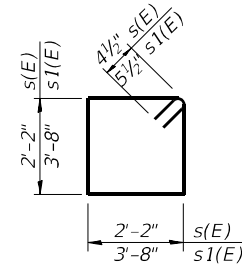
LIMITS OF CONCRETE REMOVAL
(Hatched area indicates removal)



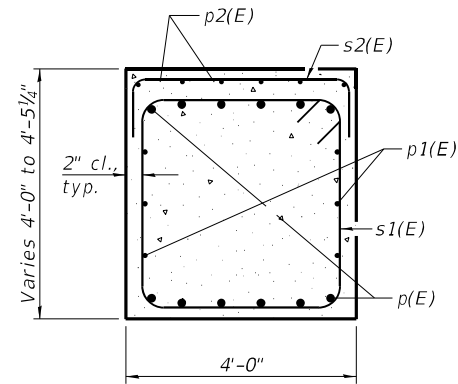
BAR u(E)



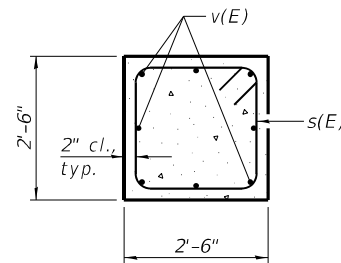
BAR s2(E)



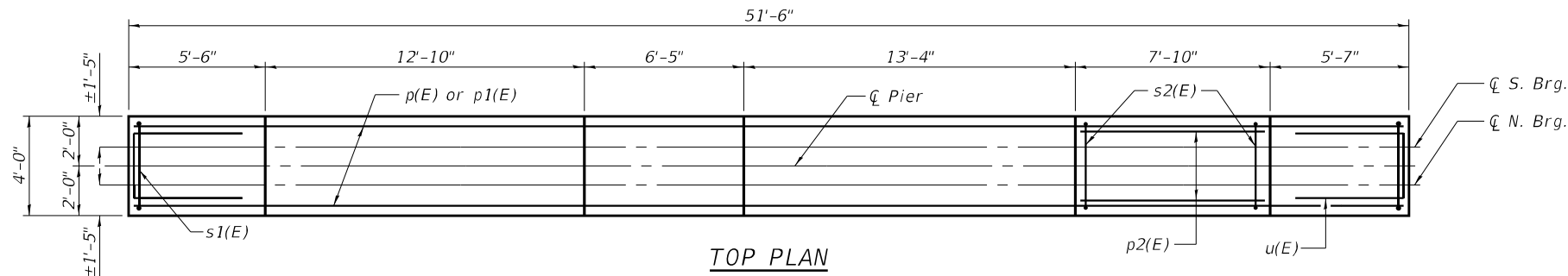
BARS s(E) & s1(E)



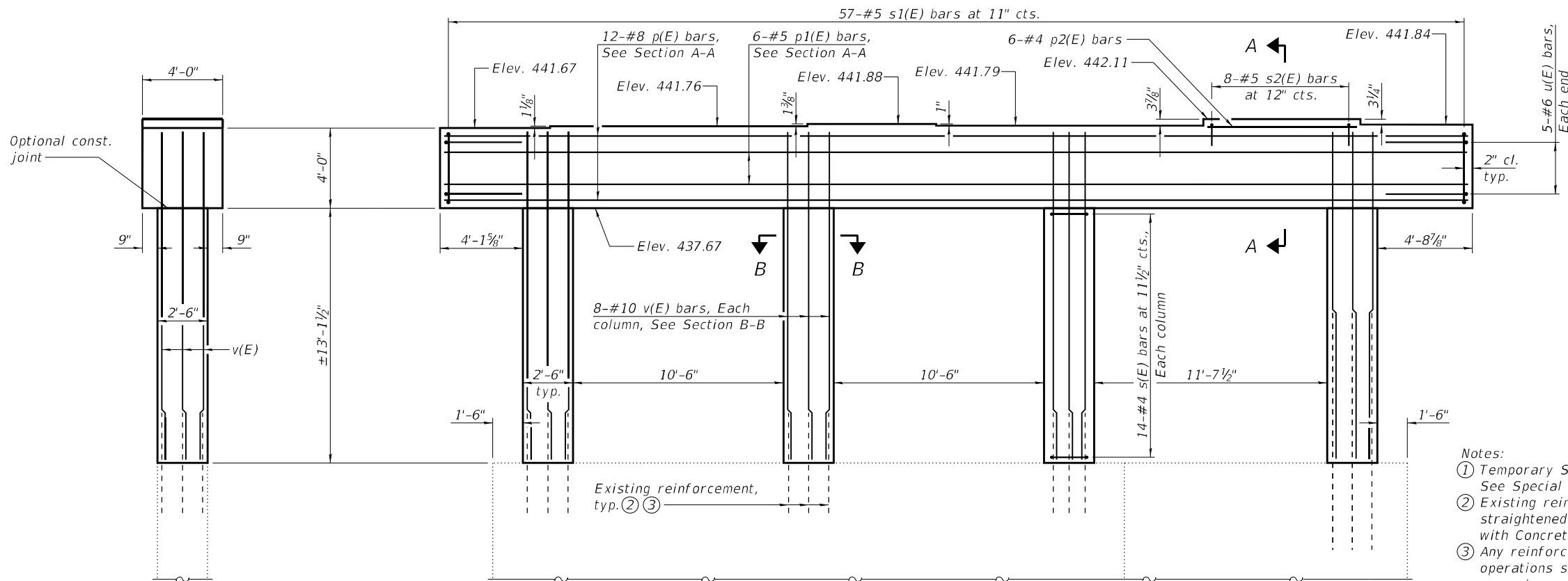
SECTION A-A



SECTION B-B



TOP PLAN



ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p(E)	12	#8	51'-2"	—
p1(E)	6	#5	51'-2"	—
p2(E)	6	#4	7'-6"	—
s(E)	56	#4	9'-5"	□
s1(E)	57	#5	15'-7"	□
s2(E)	8	#5	5'-8"	□
u(E)	10	#6	12'-2"	□
v(E)	32	#10	16'-10"	—
Concrete Removal			Cu. Yd.	31.0
Concrete Structures			Cu. Yd.	44.0
Concrete Sealer			Sq. Ft.	153
Reinforcement Bars, Epoxy Coated			Pound	5,820
Temporary Shoring and Cribbing			Each	16

Notes:

- Temporary Shoring and Cribbing applies to all beams on each side of Pier 3. See Special Provisions.
- Existing reinforcement extending into new construction shall be cleaned, straightened, and incorporated into new construction. Cost included with Concrete Removal.
- Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- Pour steps monolithically with cap.
- Space reinforcement to miss anchor bolts. For anchor bolt layout details, see sheet 15 and 16 of 42.

FILE NAME: H:\P2020022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB)19+054\WO 6 - IL 111 Bridge Repairs SN 060-0122-0123-0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-019-Existing Bridge Plans.dgn

Bench Mark CBM #1 Top of Southeast Wingwall of III-III Bridge,
10'11" of Sta 988+17 Elev 443.54
Structure No. 060-0124
Existing Structural Data:
Year built - 1940
Length - 379'-9"
Width - 32'-10"

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 582 (ILL. 111)	6VBR	MADISON	61	13
STA				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT P-98-026-63		

SHEET No. 1
SHEETS 28

DESIGN STRESSES

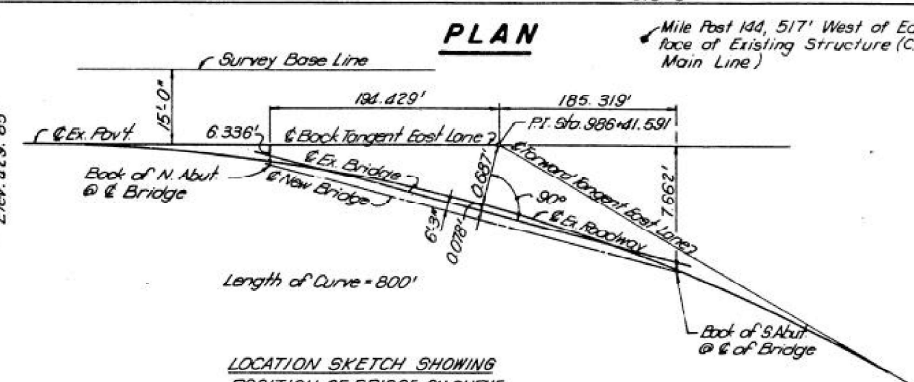
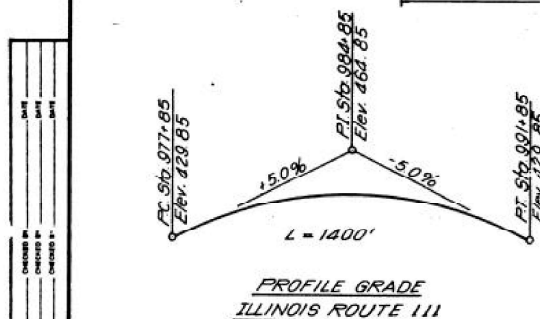
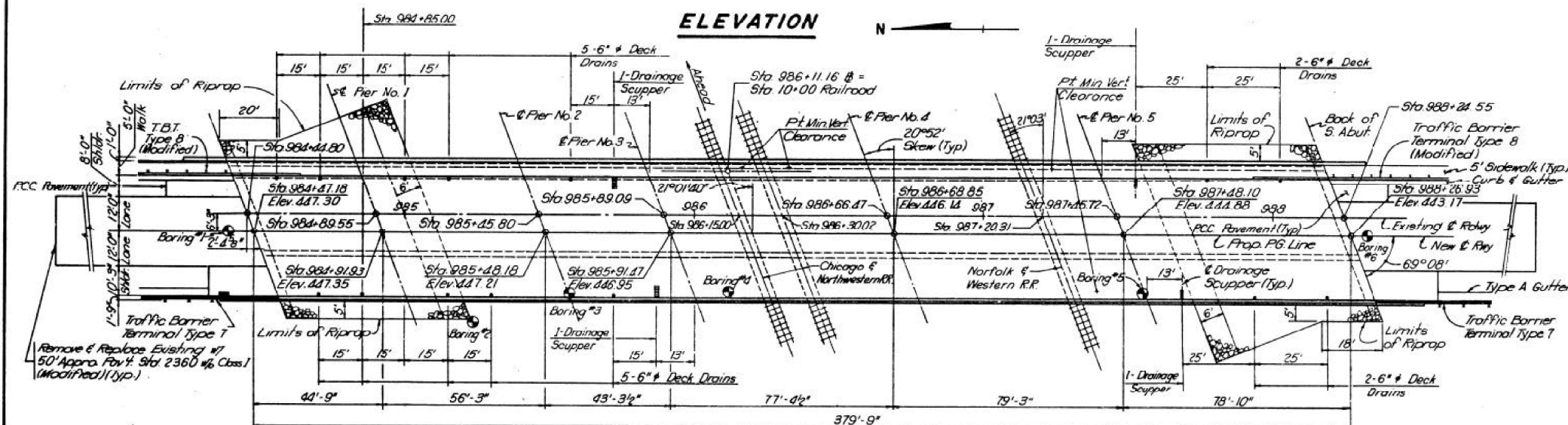
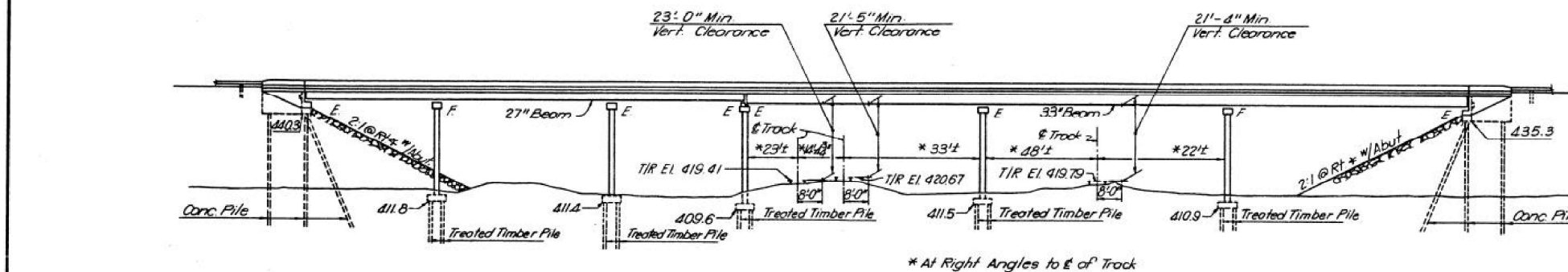
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Structural Steel) M223 Grade 50
 $f_y = 36,000$ psi (" ") M183
 $f_y = 33,000$ psi (" ") Existing A-7

LOADINGS

HS 20-44 (Allow 25"/ft² for future surface)

SPECIFICATIONS

1977 AASHTO and Interim Specifications 1918 thru 1983



HORIZONTAL CURVE DATA
PI Sta 986+41.59
 $\Delta = 0^\circ 24' 00''$ RT
 $D = 0^\circ 03' 00''$
 $T = 400.002'$
 $R = 114591.60'$
 $L = 800'$
 $E = 0.687'$

APPROVED
FOR STRUCTURAL DESIGN ONLY

James J. Hayburn
Engineer

Plans Prepared By
VOLLMER ASSOCIATES
Consulting Engineers

Michael A. Laite
7-8-85

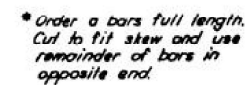
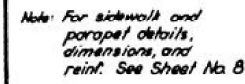
GENERAL PLAN
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 986 + 41.59

Revised 7-10-85 JWB

FOR INFORMATION ONLY

USER NAME =	DESIGNED -	REVISED -
CHECKED -	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 5/9/2024	CHECKED -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	37
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

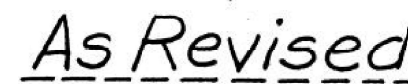

$$4 \overline{377' - 3''}$$


NEAR PIER

Minimum Bar Lap: #5 bar - 2'-2"
#6 bar - 2'-9"

Revised - 4/29/86 - E.V.T.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	38
		CONTRACT NO. 76P46		
		ILLINOIS	FED. AID PROJECT	



Reinf. Bars designated (E) shall be Epoxy Coated

**SUPERSTRUCTURE DETAILS
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 986 + 41.59**

Revised 8/29/85 MKC Revised- 4/29/86-E.V.T.

FOR INFORMATION ONLY

FILE NAME: H:\P2020022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB)194-054\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-022-Existing Bridge Plans.dgn

DESIGNED BY	CHECKED BY	DATE

USER NAME	DESIGNED	REVISED
	CHECKED	REVISED
	DRAWN	REVISED
	CHECKED	REVISED
PLOT SCALE		
PLOT DATE	5/9/2024	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

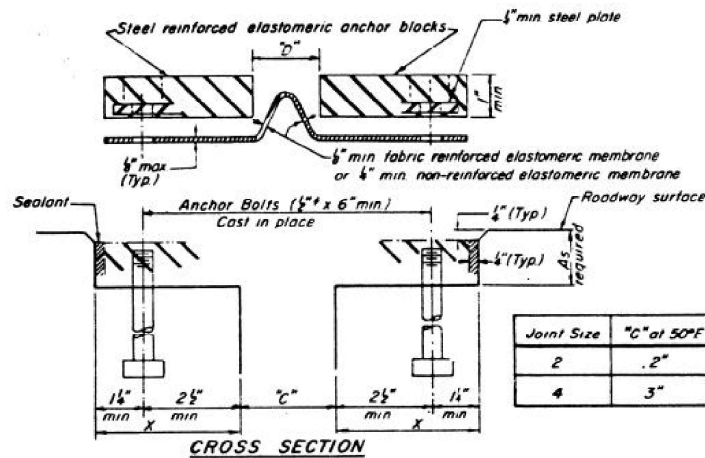
EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

SHEET 22 OF 42 SHEETS

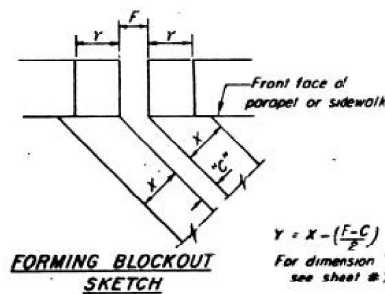
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	40
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE No.	SEC.	COUNTY	SHEET No.	SHEET No. 9
F.A.P. 582 (ILL. 111)	6VBR	MADISON	61	21
STA.	PROJECT P-98-026-63			
FED. ROAD DIST. No. 7	ILLINOIS	SHEETS 27		



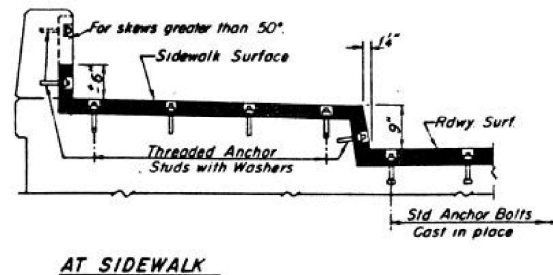
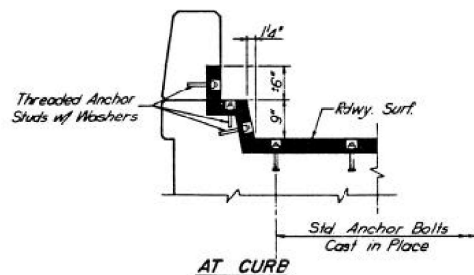
Joint Size	"C" at 50°F	"D" at 50°F
2	2"	1 1/2" min
4	3"	2 1/2" min



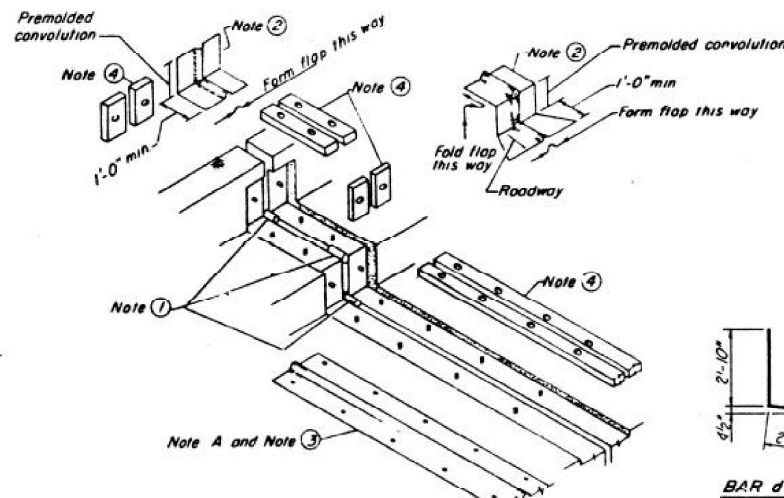
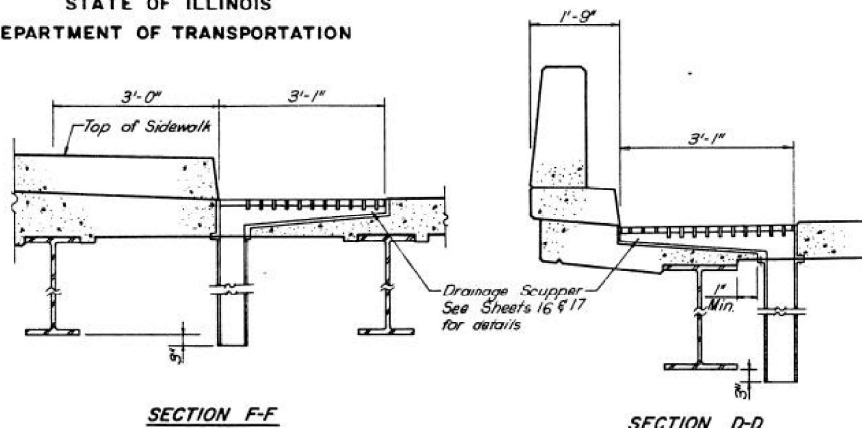
INSTALLATION NOTES

1. Install sponge mandrels into positions shown to form flap convolution.
2. Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
3. Install continuous seal in roadway.
4. Install anchor blocks as indicated.

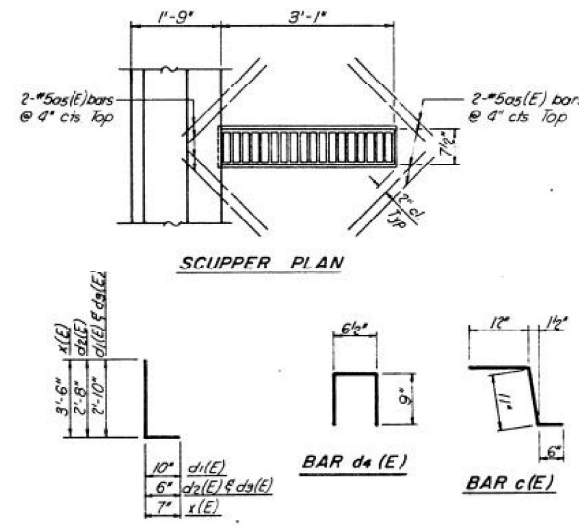
NOTE A - Maximum spacing of anchor bolts shall be 12" centers



TYPICAL END TREATMENTS



AT SIDEWALK or CURB



BAR d1(E), d2(E), d3(E) & x(E)

GENERAL NOTES

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane. See Special Provisions.

The elastomeric membrane shall be preformed with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The steel reinforcement must extend up the back face of anchor blocks when asphalt surfaces are used but is optional in concrete blockout.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

The parapet and sidewalk flaps may be furnished factory vulcanized to the roadway membrane provided the centerline of the convolution is maintained and the process and method meet the approval of the Engineer.

BILL OF MATERIALS

Bar	No.	Size	Length	Shape
a1(E)	696	#5	23'-0"	—
a1(E)	502	#5	22'-0"	—
a2(E)	348	#6	4'-0"	—
a3(E)	708	#5	25'-4"	—
a4(E)	506	#5	23'-9"	—
a5(E)	32	#5	2'-0"	—
b1(F)	515	#5	30'-3"	—
b1(E)	100	#6	31'-3"	—
b2(E)	927	#5	27'-11"	—
b3(E)	100	#6	36'-0"	—
b4(E)	8	#5	19'-3"	—
b5(E)	16	#5	6'-9"	—
b6(E)	8	#5	21'-10"	—
b7(E)	8	#5	19'-0"	—
b8(E)	12	#5	23'-0"	—
b9(E)	16	#5	10'-9"	—
b9(E)	8	#5	29'-3"	—
b11(E)	12	#5	23'-3"	—
b12(E)	100	#6	13'-9"	—
c1(E)	379	#5	2'-5"	—
c1(E)	379	#5	5'-7"	—
c2(E)	413	#4	6'-0"	—
d1(E)	379	#4	5'-0"	L
d1(E)	379	#6	3'-8"	L
d2(E)	379	#4	3'-2"	L
d3(E)	605	#4	3'-4"	L
d4(E)	102	#4	2'-1"	U
e1(E)	24	#4	18'-0"	—
e1(E)	48	#4	6'-9"	—
e2(E)	36	#4	13'-10"	—
e3(E)	24	#4	17'-0"	—
e4(E)	96	#4	16'-3"	—
e5(E)	48	#4	10'-9"	—
e6(E)	36	#4	18'-9"	—
x(E)	196	#5	4'-1"	—
Reinf Bars (Epoxy Coated)			Lbs	133,130
Class X Concrete			Cu. Yds	615.0

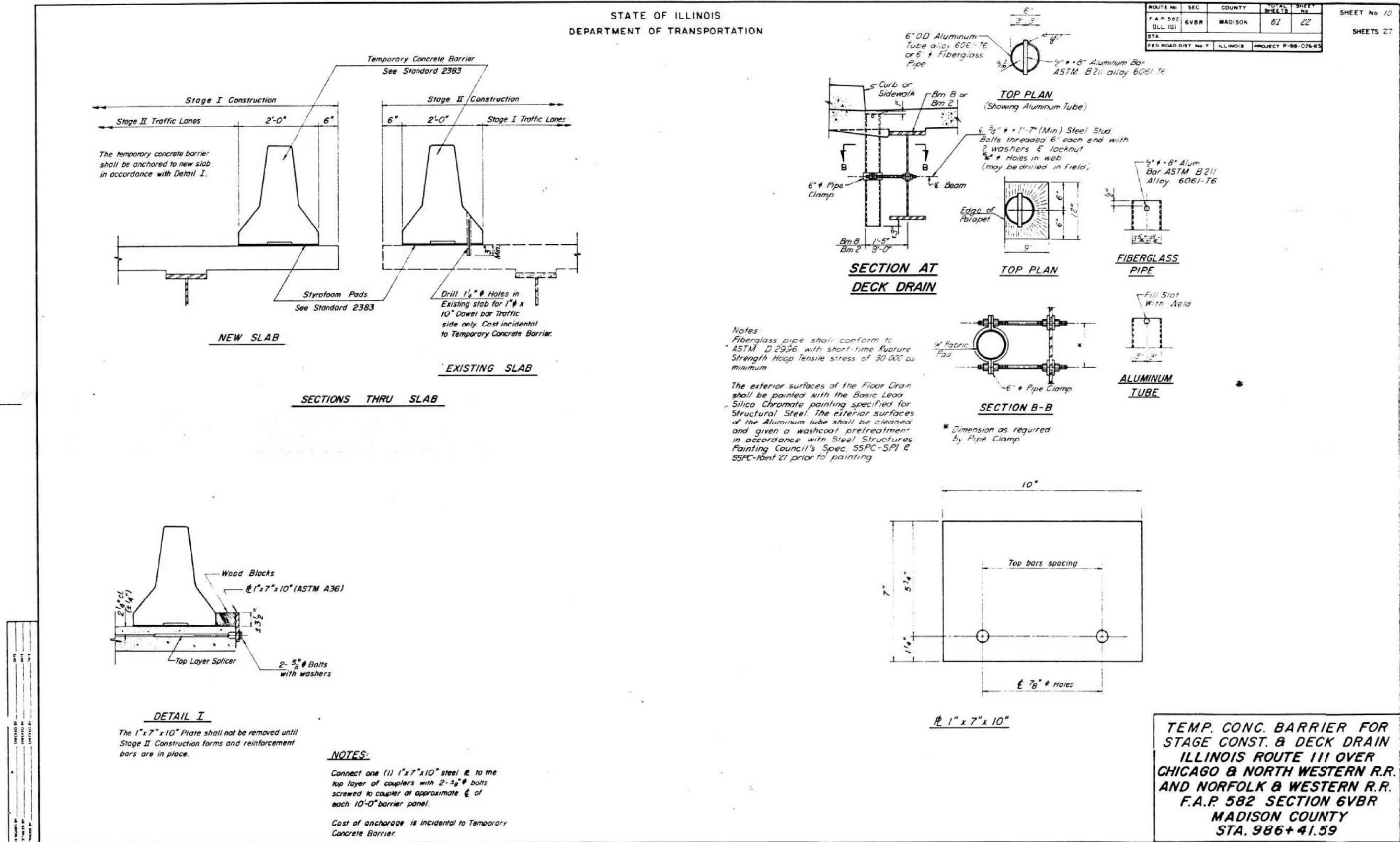
Reinf. Bars Designated (E) shall be Epoxy Coated.

SUPERSTRUCTURE DETAILS AND
EXPANSION JOINT DETAILS
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 986+41.59

Revised 8/29/85 MKC

FOR INFORMATION ONLY

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0124\0600124-76P46-023-Existing Bridge Plans.dgn



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FILE NAME: H:\P202022 - IDOT D8 PH.1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 050-0122-0123-60124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-024-Existing Bridge Plans.dgn

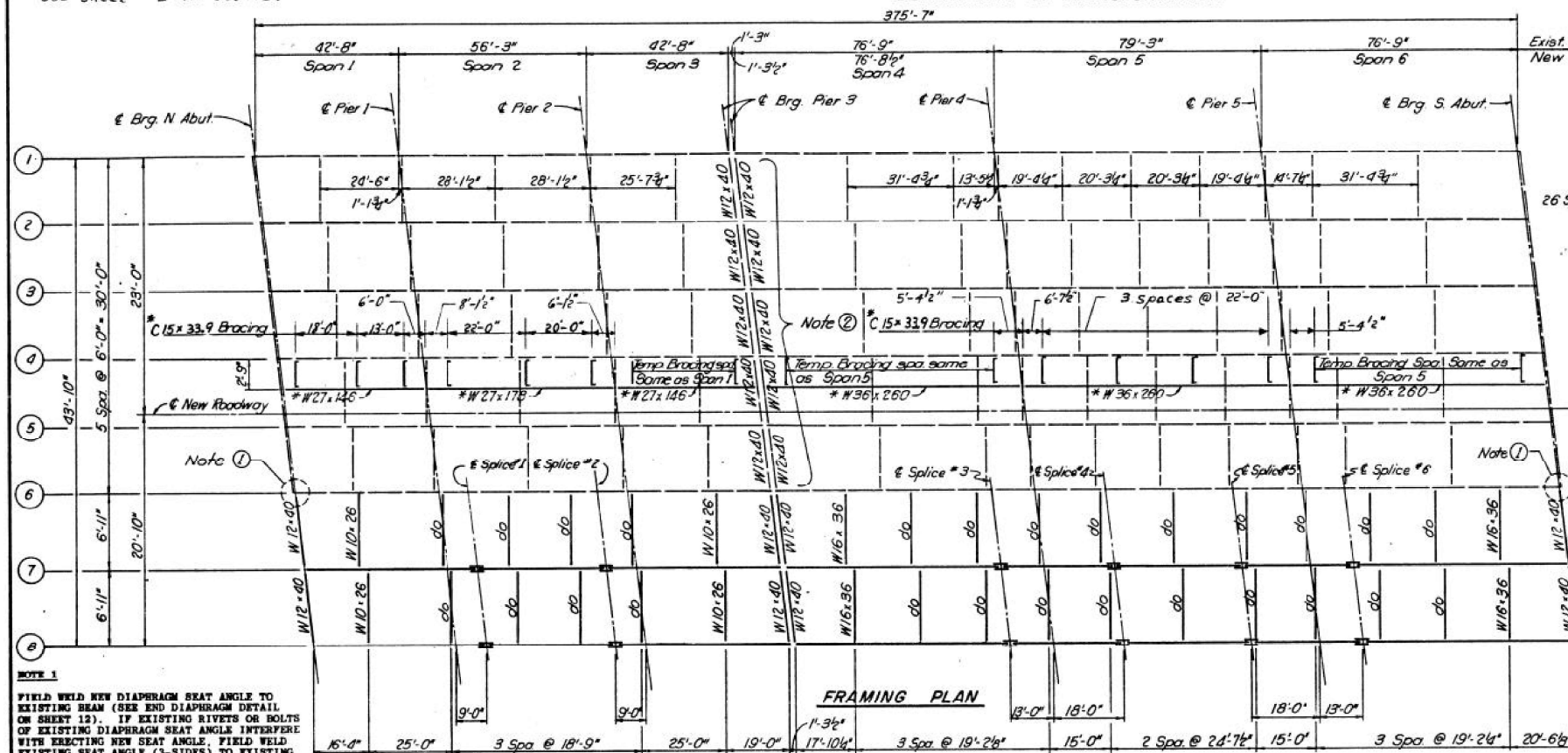
* Temporary Support Beam and Bracing for Stage 1 Traffic.
See sheet # 2 for details.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

N

ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET No.
F.A.P. 582 (ILL. 10)	6VBR	MADISON	61	23
STA				
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT P-58-026-63		

SHEET No. 11
SHEETS 27



NOTE 1

FIELD WELD NEW DIAPHRAGM SEAT ANGLE TO EXISTING BEAM (SEE END DIAPHRAGM DETAIL ON SHEET 12). IF EXISTING RIVETS OR BOLTS OF EXISTING DIAPHRAGM SEAT ANGLE INTERFERE WITH ERECTING NEW SEAT ANGLE, FIELD WELD EXISTING SEAT ANGLE (3-SIDES) TO EXISTING BEAM THEN REMOVE INTERFERING RIVETS OR BOLTS. COST IS INCIDENTAL TO STRUCTURAL STEEL.

NOTE 2

REMOVE EXISTING W12x40 DIAPHRAGMS AND RELOCATE AS SHOWN IN THE END DIAPHRAGM DETAIL ON SHEET 12. THE SEATS FOR THE RELOCATED DIAPHRAGMS ARE TO BE BOLTED TO THE WEB OF THE EXISTING BEAMS. THE HOLES FOR THE RELOCATED DIAPHRAGM CONNECTIONS ARE TO BE FIELD DRILLED. COST IS INCIDENTAL TO STRUCTURAL STEEL.

NEW W27 INTERIOR BEAM MOMENT TABLE			
	04 Sp. 1	Pier	05 Sp. 2
$I_a (in^4)$	3270	3270	2850
$I_c (in^4)$	9797		8932
$S_a (in^3)$	243	243	213
$S_c (in^3)$	375		336
Z			
$Q (ft)$	0.76	1.11	0.76
$M_E (ft)$	88	267	103
$S_Q (ft)$	0.35		0.35
$M_S E (ft)$	47		65
$M_L (ft)$	267	161	326
$M_{imp}(ft)$	80	46	90
$S_y(M_E + M_L)(ft)$	578	345	693
$M_a(ft)$	927	796	1119
$M_u(ft)$	2153		1947
$f_s @ non-comp$	2.3	132	5.8
$f_s @ comp$	1.6		2.6
$f_s (k + I)$	18.5	170	248
$f_s (overload)$	24.4	302	332
$f_s (Total)$		393	
$VR (k)$	54.8		42.9

INTERIOR GIRDER REACTION TABLE			
	Abut.	Pier	
$R @$	17.4	60.8	
$P @$	38.9	41.6	
imp	11.6	11.9	
$R Total$	67.9	114.3	

I_a AND S_a ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE STEEL SECTION USED IN COMPUTING f_s (TOTAL) AND f_s (OVERLOAD).

I_c AND S_c ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE COMPOSITE SECTION USED IN COMPUTING f_s (TOTAL) AND f_s (OVERLOAD).

VR IS THE MAXIMUM $k + I$ IMPACT SHEAR RANGE IN THE SPAN'S COMPOSITE AREA.

NEW W33 INTERIOR BEAM MOMENT TABLE			
	04 Sp. 1	Pier	05 Sp. 2
$I_a (in^4)$	5900	8160	5900
$I_c (in^4)$	15634		15634
$S_a (in^3)$	359	487	359
$S_c (in^3)$	523		523
Z			
$Q (ft)$	0.78	1.16	0.78
$M_E (ft)$	34.7	108	105
$S_Q (ft)$	0.36		0.36
$M_S E (ft)$	17.1		8.1
$M_L (ft)$	588	363	488
$M_{imp}(ft)$	145	89	122
$S_y(M_E + M_L)(ft)$	1222	753	1033
$M_a(ft)$	2262	1899	1585
$M_u(ft)$	3024		3024
$f_s @ non-comp$	11.6	174	3.5
$f_s @ comp$	4.3		2.0
$f_s (k + I)$	28.0	186	23.7
$f_s (overload)$	43.9	360	26.2
$f_s (Total)$		468	
$VR (k)$	58.3		47.0

INTERIOR GIRDER REACTION TABLE			
	Abut.	Pier	
$R @$	33.8	99.0	
$P @$	43.5	53.0	
imp	10.8	13.1	
$R Total$	88.1	165.1	

f_s (TOTAL) IS THE SUM OF THE STRESSES DUE TO $1.3 [M_E + M_L + \frac{1}{3} (M_u + I)]$.

f_s (OVERLOAD) IS THE SUM OF THE STRESSES DUE TO $M_E + M_L + \frac{1}{3} (M_u + I)$.

$M @$ MOMENT DUE TO DEAD LOADS ON NON-COMPOSITE SECTION.

$M_E @$ MOMENT DUE TO DEAD LOADS ON COMPOSITE SECTION.

EX W27 INTERIOR BEAM MOMENT TABLE			
	04 Sp. 1	Pier	05 Sp. 2
$I_a (in^4)$	3129	5251	3129
$I_c (in^4)$	9190		9190
$S_a (in^3)$	233	374	233
$S_c (in^3)$	358		358
Z			
$Q (ft)$	0.73	1.07	0.73
$M_E (ft)$	78	271	89
$S_Q (ft)$	0.34		0.34
$M_S E (ft)$	43		57
$M_L (ft)$	242	166	297
$M_{imp}(ft)$	72	48	82
$S_y(M_E + M_L)(ft)$	523	357	632
$M_a(ft)$	837	816	1011
$M_u(ft)$	1425		1425
$f_s @ non-comp$	4.0	8.7	4.6
$f_s @ comp$	1.6		2.1
$f_s (k + I)$	17.5	114	21.2
$f_s (overload)$	23.1	20.1	27.9
$f_s (Total)$		26.1	
$VR (k)$	51.1		42.5

INTERIOR GIRDER REACTION TABLE			
	Abut.	Pier	
$R @$	16.1	58.7	
$P @$	36.1	39.1	
imp	10.8	11.2	
$R Total$	63.0	109.0	

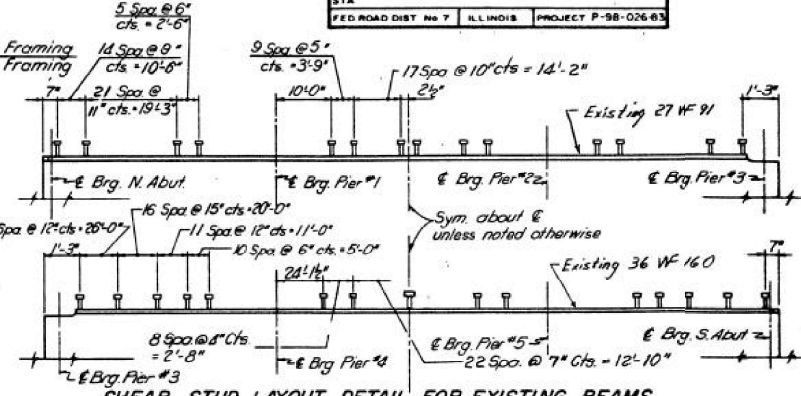
M_L MOMENT DUE TO LIVE LOAD ON COMPOSITE SECTION.

I LIVE LOAD IMPACT.

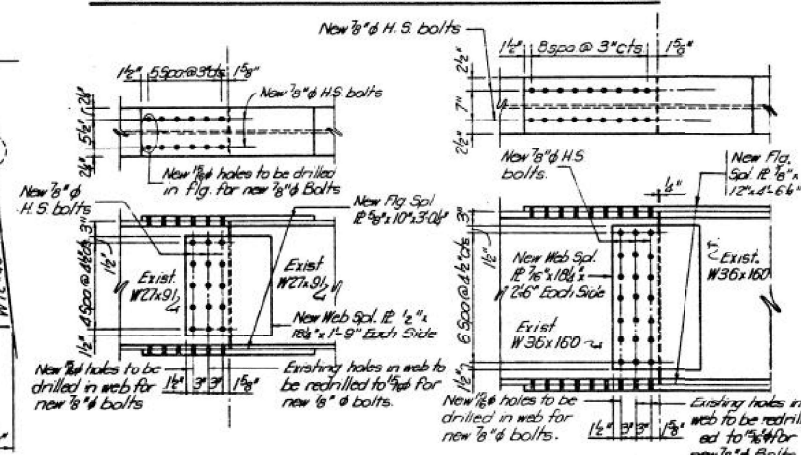
M_a (APPLIED MOMENT) = $1.3 [M_E + M_L + \frac{1}{3} (M_u + I)]$.

EX W36 INTERIOR BEAM MOMENT TABLE			
	04 Sp. 1	Pier	05 Sp. 2
$I_a (in^4)$	9750	14361	9750
$I_c (in^4)$	23079		23079
$S_a (in^3)$	542	771	542
$S_c (in^3)$	757		757
Z			
$Q (ft)$	0.80	1.14	0.80
$M_E (ft)$	352	698	111
$S_Q (ft)$	0.34		0.34
$M_S E (ft)$	163		74
$M_L (ft)$	546	348	463
$M_{imp}(ft)$	135	86	113
$S_y(M_E + M_L)(ft)$	1135	723	960
$M_a(ft)$	2145	1847	1488
$M_u(ft)$	2893		2893
$f_s @ non-comp$	7.8	10.9	2.4
$f_s @ comp$	2.9		1.3
$f_s (k + I)$	18.0	11.3	15.2
$f_s (overload)$	28.7	22.2	18.9
$f_s (Total)$		28.9	
$VR (k)$	54.4		39.2

INTERIOR GIRDER REACTION TABLE			
	Abut.	Pier	
$R @$	34.0	97.3	
$P @$	40.6	49.2	
imp	12.1	12.1	
$R Total$	84.7	158.6	



SHEAR STUD LAYOUT DETAIL FOR EXISTING BEAMS



EXISTING SPLICE REHABILITATION DETAILS

Work detailed above and included in notes 1-6 (below) shall be paid for at the contract unit price each for "Splice Rehabilitation."

- ALL EXISTING FLANGE AND WEB SPLICE PLATES AND RIVETS ARE TO BE REMOVED AND REPLACED BY NEW W183 PLATES AND M164 HIGH STRENGTH BOLTS AS DETAILED ABOVE.
- FIELD DRILLING AND SPLICE PLATE FABRICATION ARE TO MATCH EXISTING RIVET HOLE CONFIGURATION.
- ALL DIMENSIONS DETAILED ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE CONTRACTOR.
- CONTRACTOR TO PROVIDE TEMPORARY SUPPORTS AS REQUIRED DURING SPLICE REHABILITATION. TO BE APPROVED BY ENGINEER. COST IS INCIDENTAL TO SPLICE REHABILITATION.
- AREAS OF EXISTING WIDE FLANGE BEAM THAT ARE TO BE COVERED BY THE NEW FLANGE AND WEB SPLICE PLATES SHALL BE CLEANED BY METHOD 1 PRIOR TO THE INSTALLATION OF THE SPLICE PLATES. NO PRIMER OR PAINT SHALL BE APPLIED TO THE ABOVE MENTIONED AREAS PRIOR TO THE INSTALLATION OF THE SPLICE PLATES.
- Cost of splice rehabilitation shall include existing splice removal and new splice installation.

NOTES:

- DASHED LINES INDICATE EXISTING STEEL.
- PROVIDE 2 SHEAR STUDS PER ROW OVER EXISTING SPLICE PLATES. (SEE DETAIL SHEET 12)
- PROVIDE 1 1/2" MINIMUM CLEAR BETWEEN SHEAR STUDS AND ENDS OF SPLICE PLATES.
- DO NOT PLACE SHEAR STUDS OVER CENTER LINE OF SPLICE.
- FOR STEEL DETAILS AND ADDITIONAL NOTES SEE SHEET 12

TOP OF BEAM ELEVATIONS*		
LOCATION	BEAM 7	BEAM 8
Brig. N. Abut.	446.42	446.28
Brig. Pier #1	446.38	446.22
Splice #1	446.35	446.20
Splice #2	446.24	446.09
Brig. Pier #2	446.20	446.04
Brig. Pier #3	446.01	445.85
South	446.00	445.84
Splice #3	445.25	445.07
Brig. Pier #4	445.07	444.89
Splice #4	444.82	444.64
Splice #5	444.12	443.93
Brig. Pier #5	443.78	443.58
Splice #6	443.53	443.33
Brig. S. Abut.	442.20	441.99

* FOR FABRICATION ONLY

FRAMING PLAN
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 966+41.59

Revised 7/15/85 MKC

Revised 8/29/85 MKC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

SHEET 24 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	42
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P202022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194-054)\WO 6 - IL 111 Bridge Repairs SN 060-0122-0123-60124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-025-Existing Bridge Plans.dgn

DATE	DATE	DATE
DESIGNED BY	CHECKED BY	CHECKED BY
DATE	DATE	DATE

USER NAME	DESIGNED	REVISED
	CHECKED	REVISED
PLOT SCALE	DRAWN	REVISED
PLOT DATE	CHECKED	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

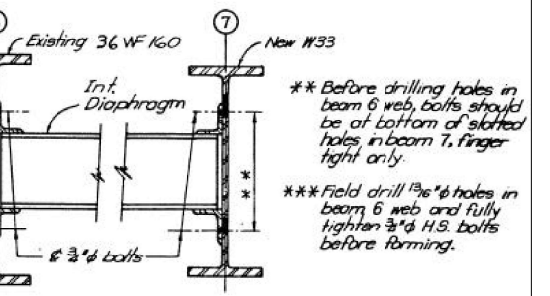
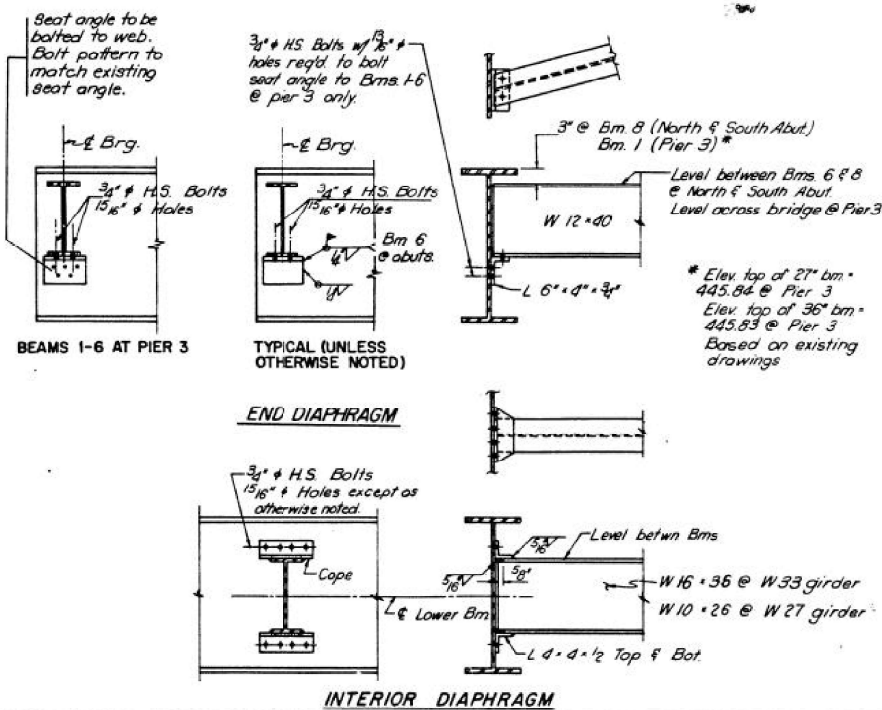
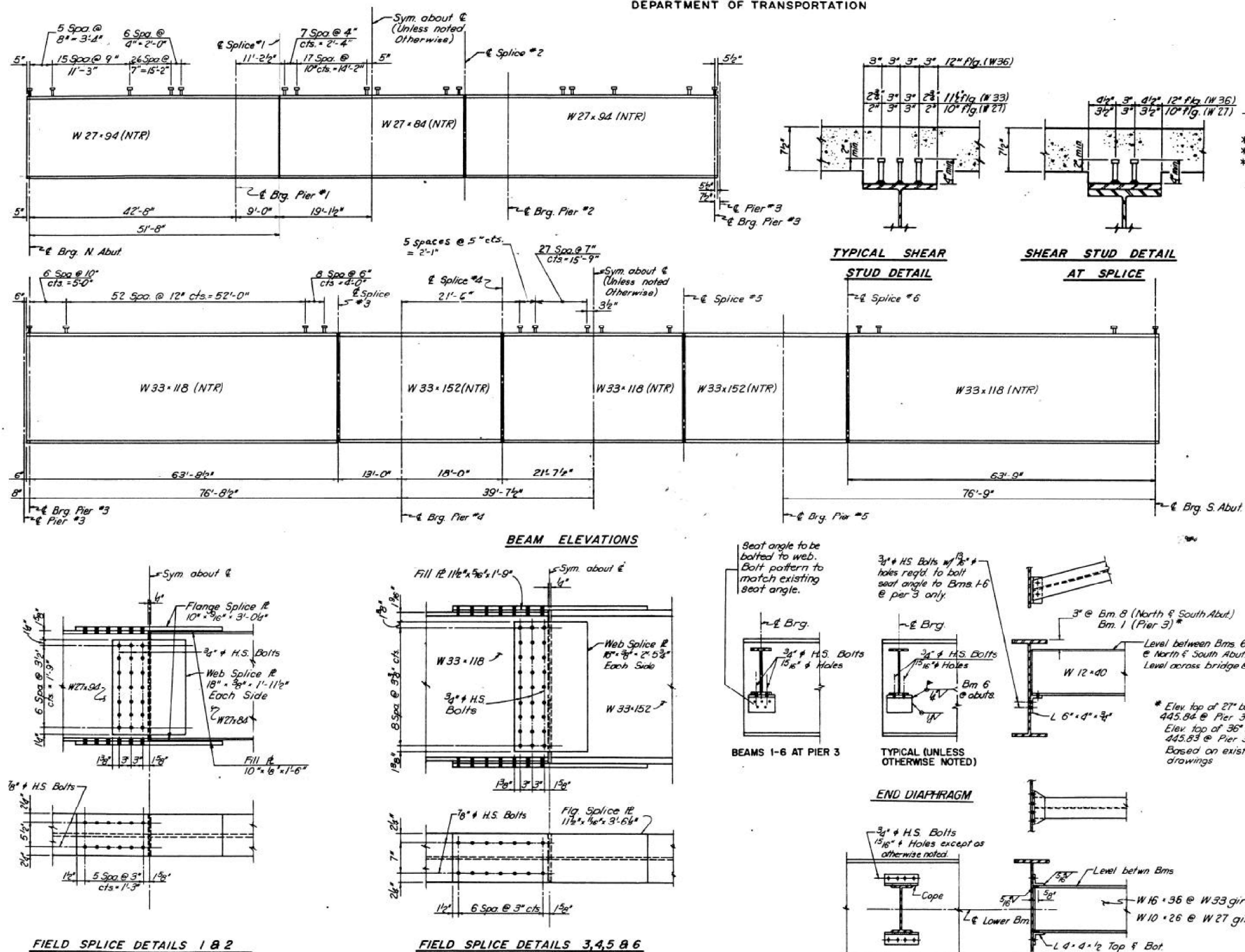
SHEET 25 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	43
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 582 (ILL. 111)	6VBR	MADISON	61	24
STA.	PROJECT P-98-026-85			
FED. ROAD DIST. NO. 7	ILLINOIS			

SHEET No. 12
SHEETS 27

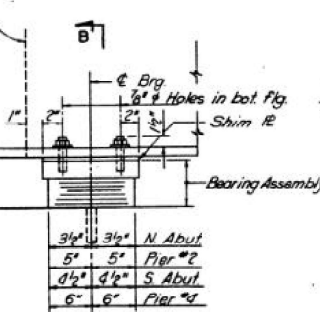


Notes:
Beams and Splice Material shall be M223 (Grd. 50)
Diaphragms & Bearing Plates shall be M183.
All studs to be 3/8" granular or solid flux filled headed studs automatically end welded to flange. (No. Req'd. = 7816.
Use two hardened washers per bolt for all oversized holes.
All contact surfaces of joints for the Diaphragms shall be free of paint or lacquer.
NTR - Notch Tough Requirement.
The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges, webs, and all splice plate material of the wide flange beams.
Provide: 1/8" holes for all 3/8" bolts.
1/8" holes for all 3/4" bolts. (Unless noted otherwise.)
For Shear Stud placement detail for existing beams. See Sheet # 11
The 1/8" holes for the diaphragm connections to Beam 6 are to be field drilled. Cost is incidental to structural steel.
Provide 1/8" x 1/2" vertical slotted holes in the web of beam 7 in spans 4, 5, & 6 only for the interior diaphragm east of beam 7. Connection should allow for a 3/8" greater dead load deflection in beam 7 than in beam 6 - see Detail A.
Bolts in slotted holes shall be finger tight only before pouring slab. After pouring the slab, bolts shall be tightened as required by the specifications.
Hardened washers shall be provided to completely cover the slotted holes in the web.

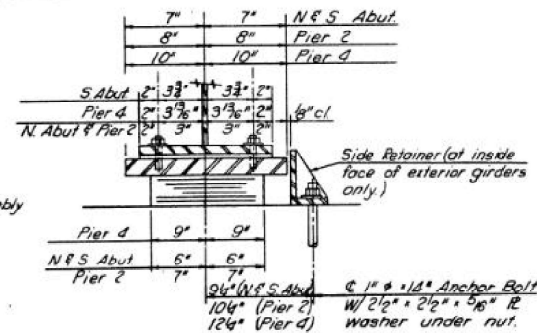
BEAM DETAILS
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 986+41.59

Revised 7/15/85 MKC

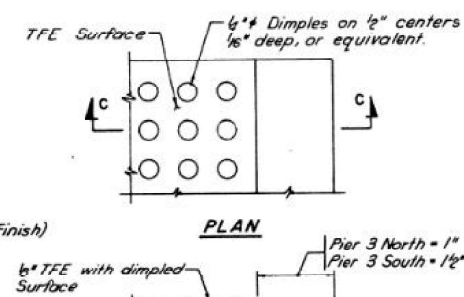
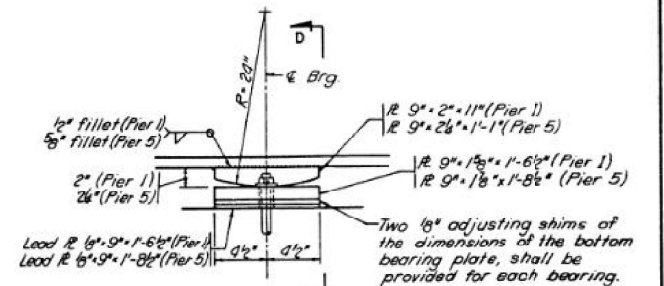
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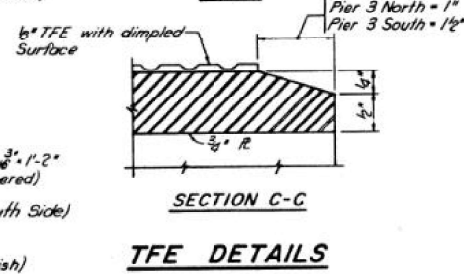
TYPE I ELASTOMERIC EXP. BRG.
(N. Abut., Pier 2, Pier 4 & S. Abut.)



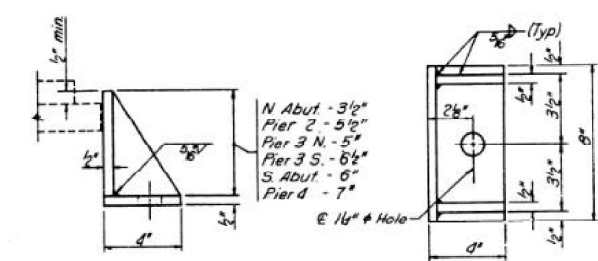
ELEVATION



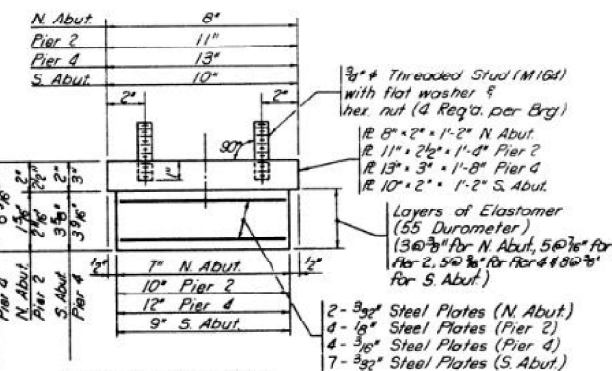
PLAN



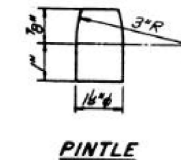
TFE DETAILS



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



BEARING ASSEMBLY
Shim Plates shall not be placed
under Bearing Assembly.



Note: Two low profile fixed bearings are required for Pier #1.
-Two low profile fixed bearings are required for Pier #5.
-Bearing plates are M183.

Notes
The 1/8" TFE 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 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

a) D^* (Side of brg. away from fixed brg.)
 $D^* = 18''$ per each 100' of expansion for every 15°
 full below the normal temp. of 50°F.

D** - 1/8" per each 100' of expansion for every 15° rise above the normal temp. of 50° F.

b) After girders have been erected and dimensions D^* or D^{**} determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

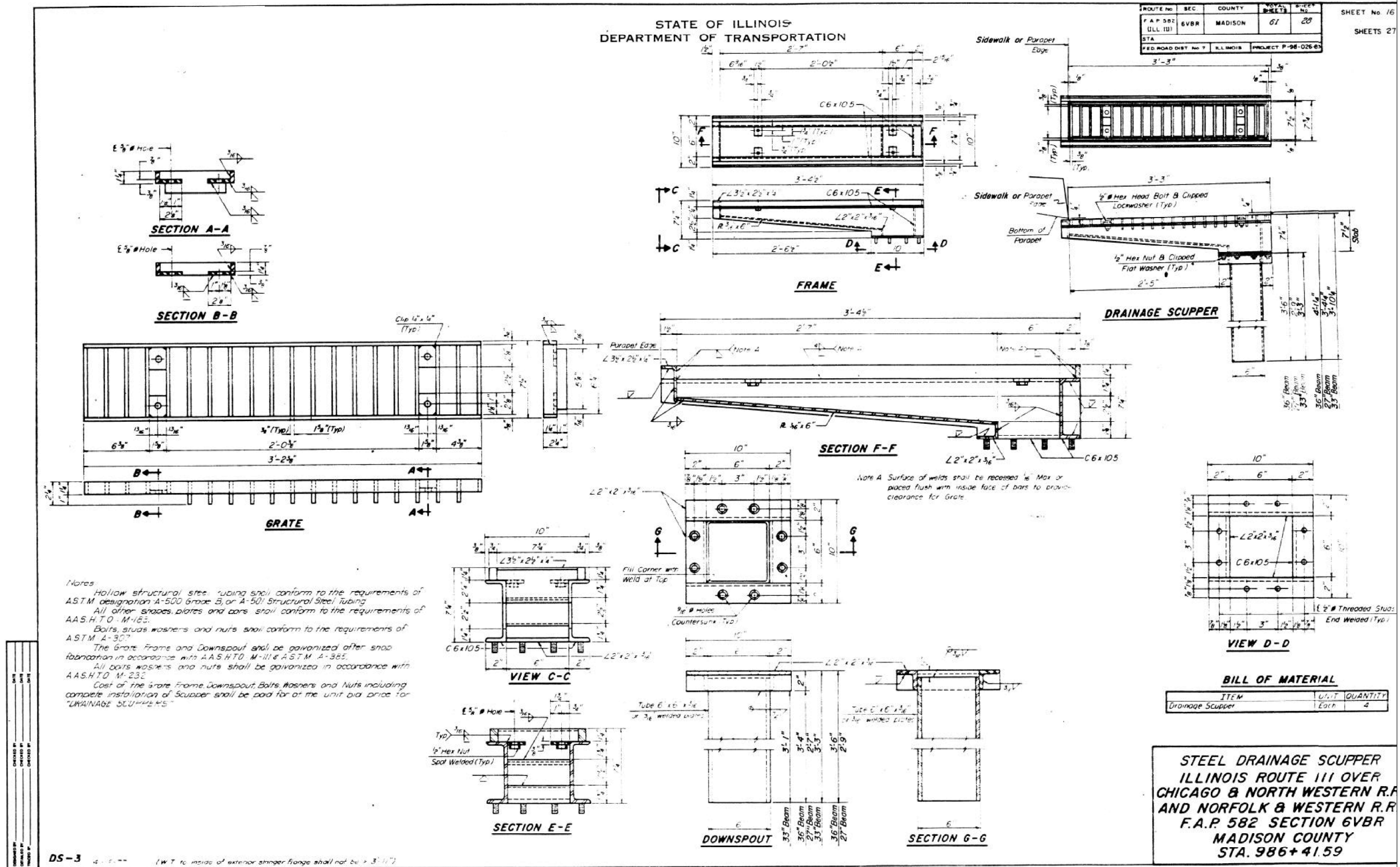
See sheet # 14 for anchor bolt installation.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
Elastomeric Bearing Assembly Type I	Each	8
Elastomeric Bearing Assembly Type II	Each	4

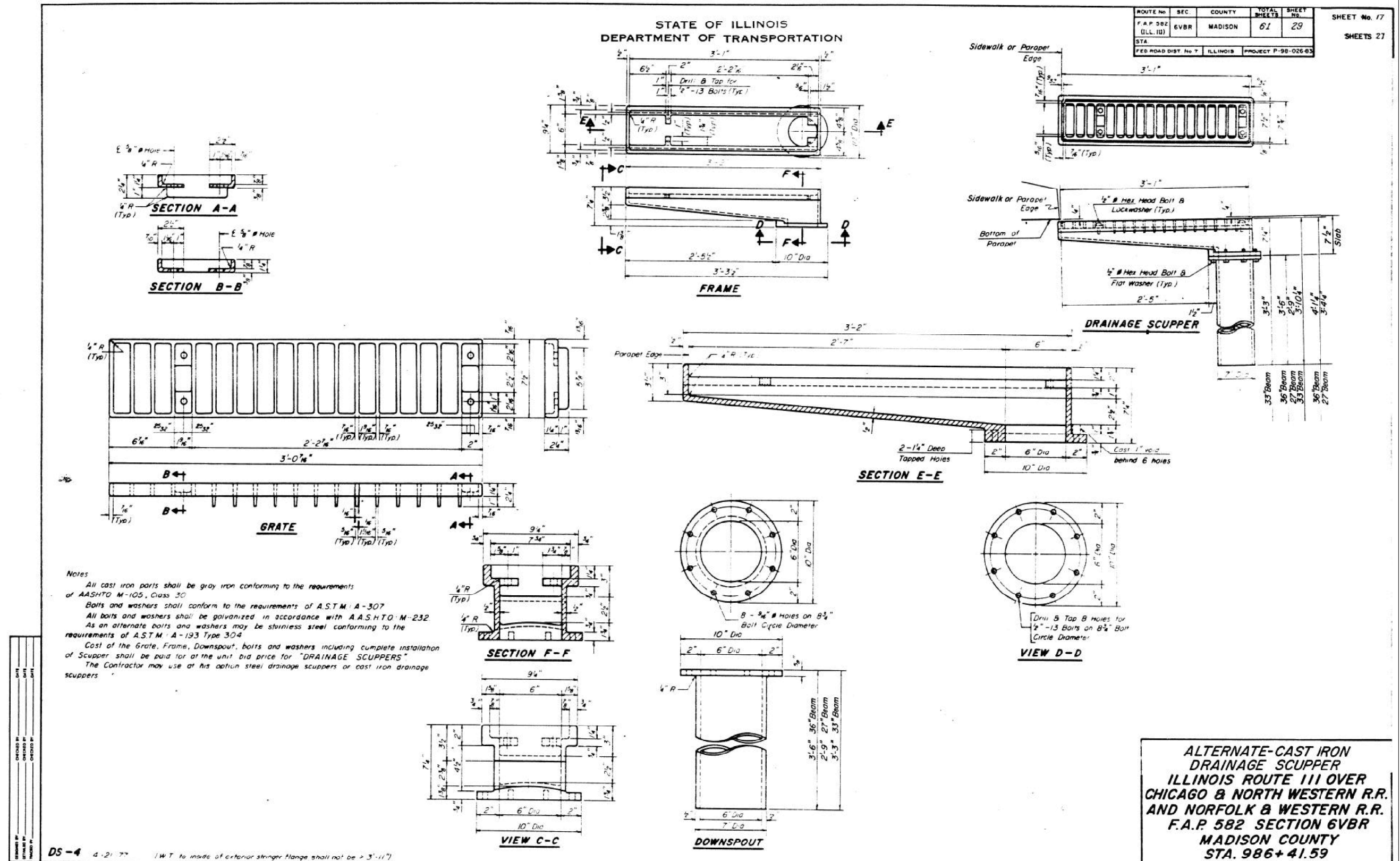
BEARINGS
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 986+41.59

FILE NAME: H:\P2020022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-027-Existing Bridge Plans.dgn



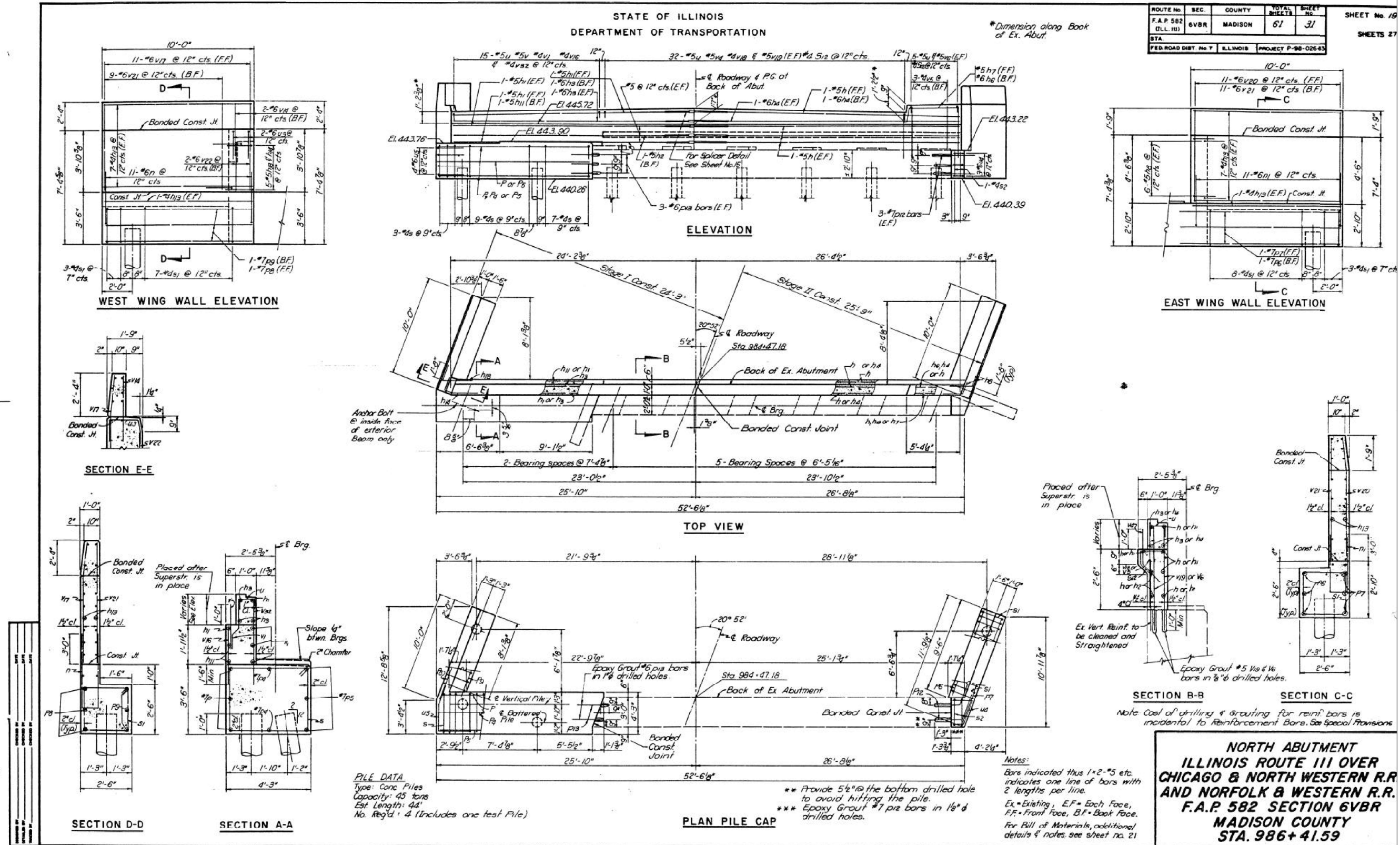
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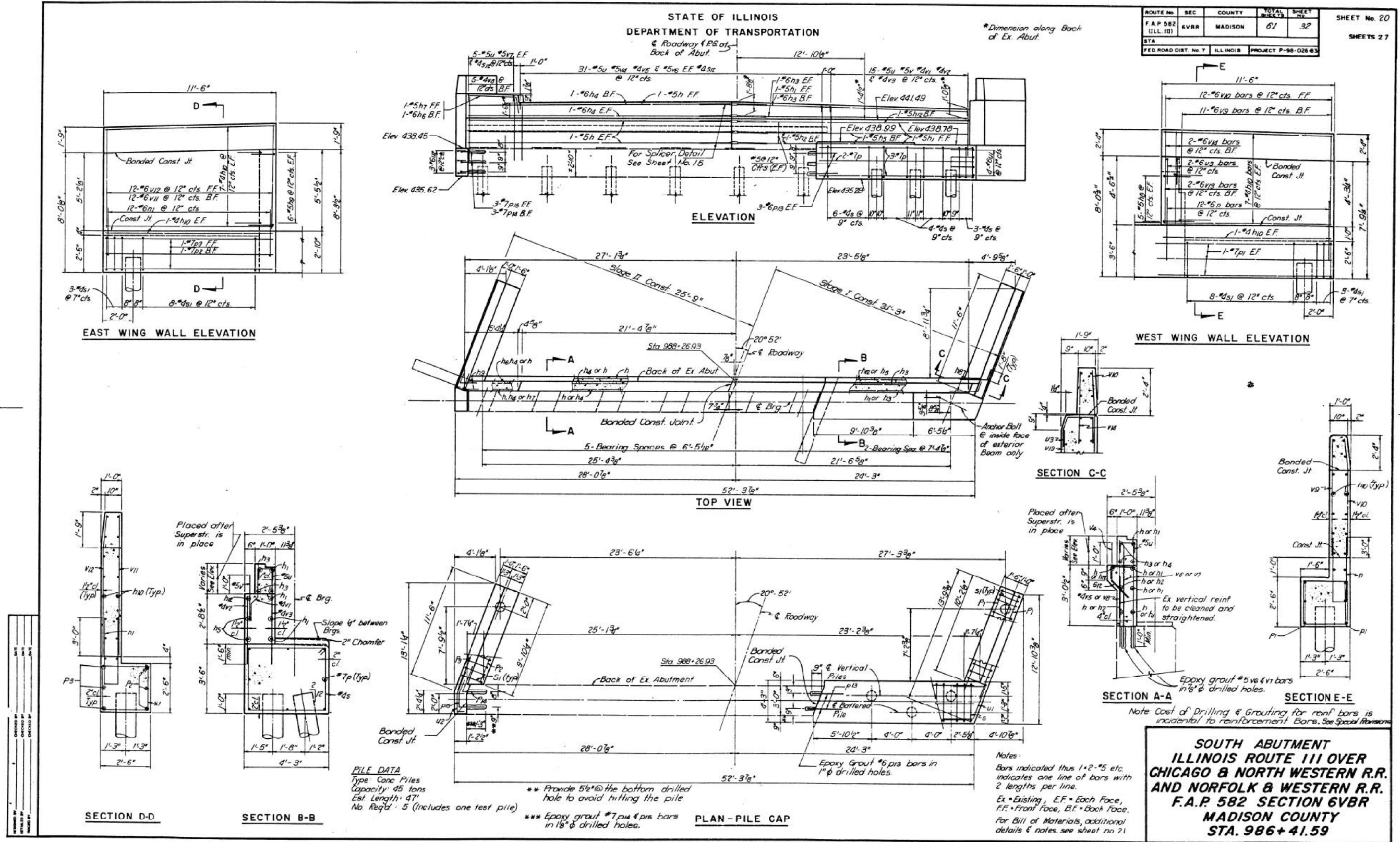
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

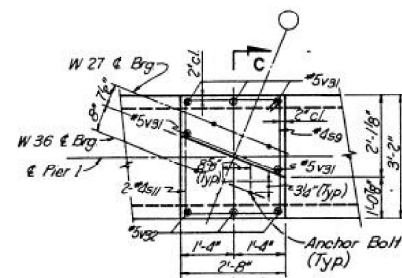
SHEET 30 OF 42 SHEETS

F.A.P. RTE. 582	SECTION 6VBR-1	COUNTY MADISON	TOTAL SHEETS 68	SHEET NO. 48
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

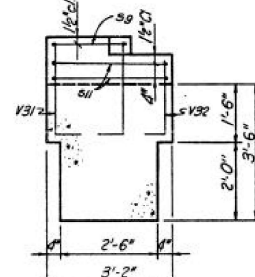
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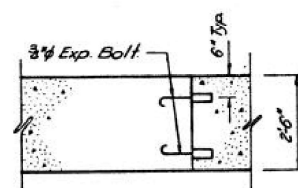
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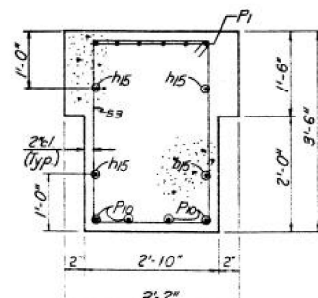
BEAM SEAT PLAN



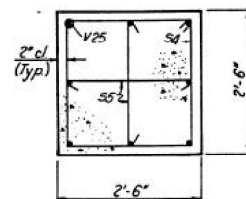
SECTION C-C



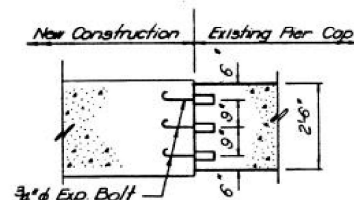
SECTION D-D



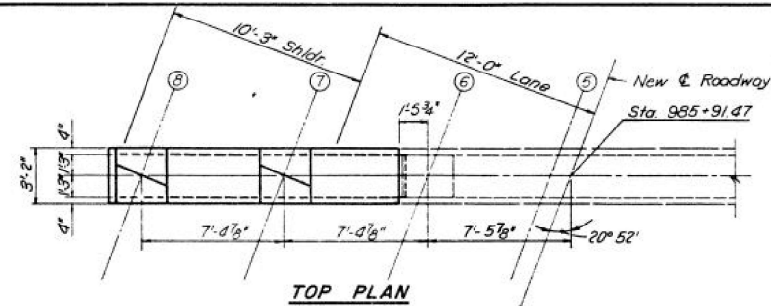
SECTION A-A



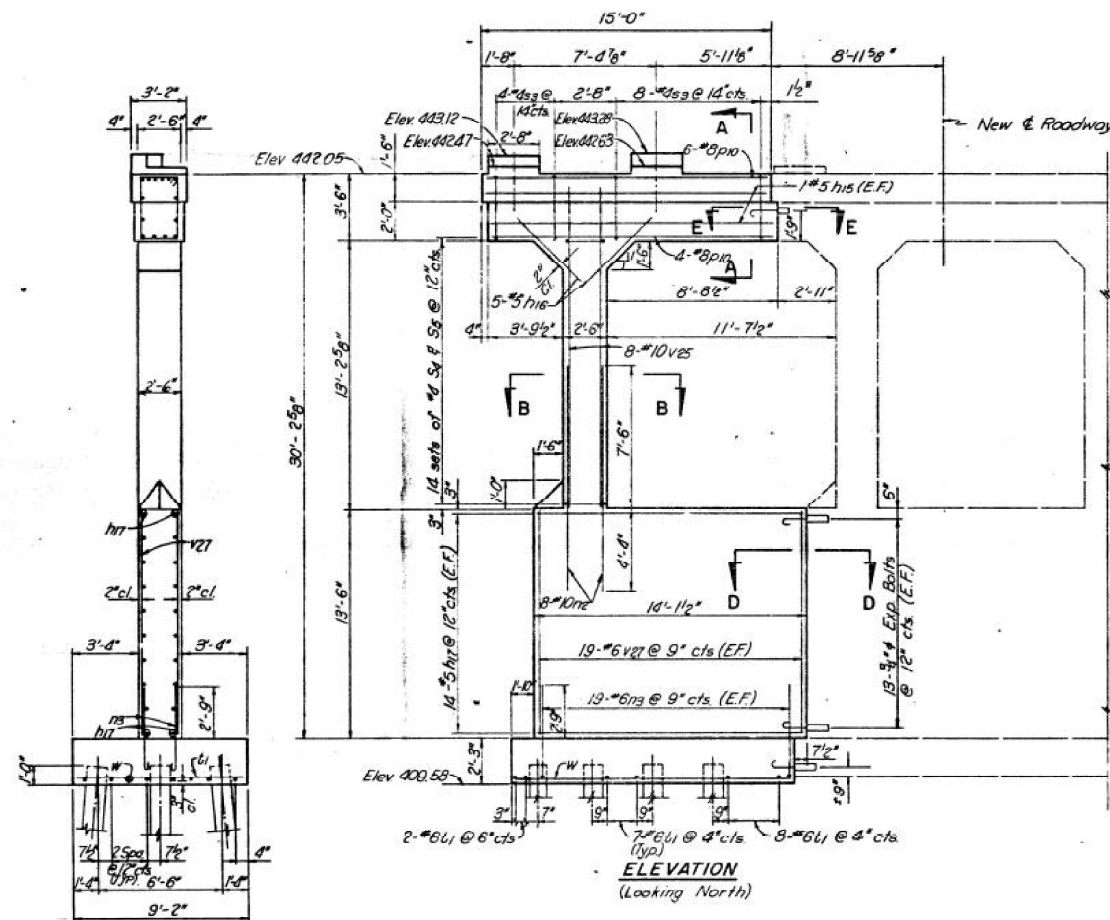
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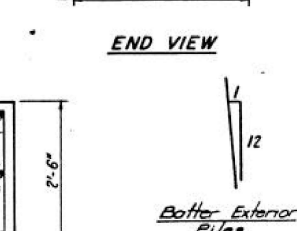
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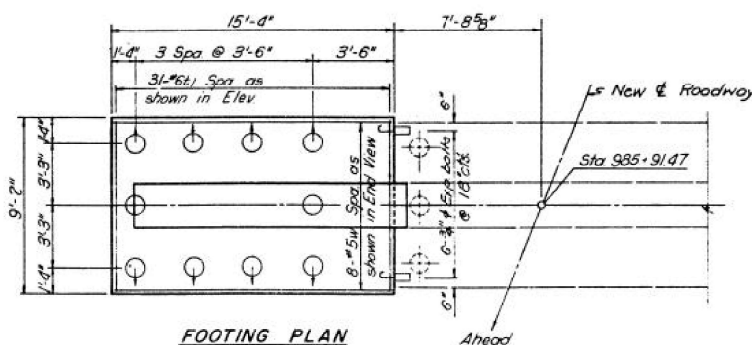
TOP PLAN



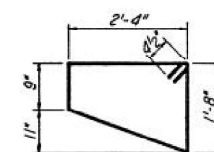
ELEVATION
(Looking North)



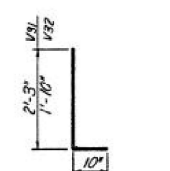
END VIEW



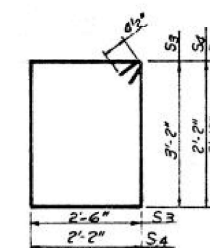
FOOTING PLAN



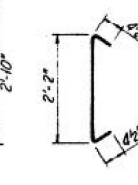
BAR 59



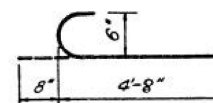
BAR V_{31} & V_{32}



BAR S3, S4 & S11



BAR 55



BAR 13

BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h ₁₅	4	#5	10'-8"	—
h ₁₆	10	#5	4'-8"	—
h ₁₇	28	#5	13'-11"	—
n ₂	8	#10	11'-10"	—
n ₃	38	#6	5'-4"	—
P ₁₀	10	#8	10'-8"	—
S ₃	12	#4	12'-1"	□
S ₄	14	#4	9'-5"	□
S ₅	28	#4	2'-11"	U
S ₉	2	#4	8'-0"	—
S ₁₁	4	#4	11'-1"	□
t ₁	31	#6	8'-10"	—
v ₂₅	8	#10	15'-5"	—
v ₂₇	38	#6	13'-3"	—
v ₃₁	10	#5	3'-1"	└
v ₃₂	6	#5	2'-8"	└
w	8	#5	15'-0"	—
Reinforcement Bars			Lbs.	3760
Class X Concrete			Cu. Yds.	38.3
Crescoloted Piles #4			Lin. Ft.	333
Test Piles (Timber)			Each	1

** 20.1 to 38 ft.

FILE DATA
Type: Timber File (Creosoted)
Capacity: 24 ton
Est. Length: 37'
No. Req'd: 10 *

* Includes one test pile

Revised 7/16/85 MKC

PIER 3
ILLINOIS ROUTE 111 OVER
CHICAGO & NORTH WESTERN R.R.
AND NORFOLK & WESTERN R.R.
F.A.P. 582 SECTION 6VBR
MADISON COUNTY
STA. 986+41.59

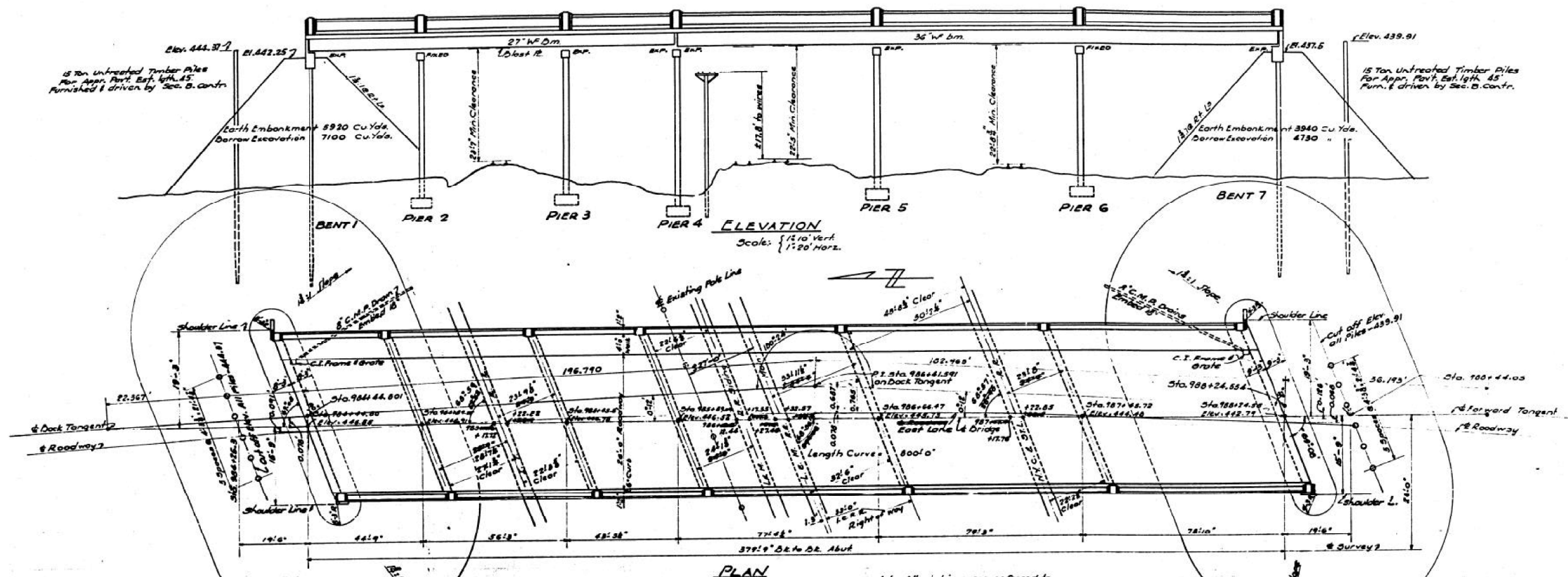
FOR INFORMATION ONLY

FILE NAME: H:\P202022\DOT D8 PH 1 & 2 VAR - VAR (PTB194-054)\WO 6 - IL 111 Bridge Repairs SN 060-0122-0123-0124 - Updated Scope Bridge Plans\Plans\Microstation\060-0124-0600124-76P46-033-Existing Bridge Plans.dgn

B.M. N. & W. in Root of 12" Elm
200' St. Sta. 986+00
Elev. 410.30

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

ROAD DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / 9 SHEETS
132	6VB	Madison	12	3	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT: PWA 1764-F			



Note: All stations are referred to stationing from back tangent.

GENERAL NOTES

Class 'X' concrete shall be used throughout. The concrete floor shall be finished according to Article 67.3(c) of the Specifications. The floor shall be poured in one continuous operation between the limits of two construction joints shown on plans. Ribs 8" x 8" open, laid 8" except as noted. Ribs tight fit bolts may be used in place of field rivets. See Special Provisions. Welding shall comply with the Specifications of the American Welding Society for Fusion Welding of Highway and Railway Bridges. Inspection by Illinois Division of Highways before painting. Structural steel shall be given one shop coat of blue lead paint to be furnished and applied by contractor for Sec. F. First field coat of primer and lead paint second field coat black graphite paint to be furnished and applied by contractor for Section B. All steel surfaces in contact with concrete and contact surfaces of shop riveted or shop welded structural steel shall not be painted. See Specifications for inaccessible surfaces. The cost of welded wire fabric shall be included in unit price bid per cu. yd. for class 'X' concrete. Before the superstructure is placed, the contractor shall construct the embankments as shown in accordance with Section B of the Specifications. See Special Provisions. Embankments shall be constructed from borrow excavation. All borrow excavation shall be furnished in place by the contractor. He shall provide all necessary borrow excavation pits or other sources of supply. The contract unit price per cu. yd. for borrow excavation shall include the cost of providing the borrow excavation, transporting it to the site and placing it in the embankment. Handrail concrete shall be absolutely free of chert, flint, limonite, lignite and soft sandstone. Embankment pile line to be left in place during construction and shall not be disturbed. If compaction by water soaking is required the cost of the work will be paid in accordance with Article 3.4 of the Standard Specifications.

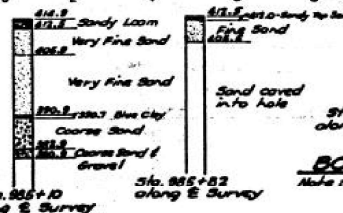
SUMMARY OF QUANTITIES

Item	Sec. B.	Sec. F
Handrail Concrete	Cu. Yds. 87.1	
Class 'X' concrete	Cu. Yds. 730.9	
Reinforcement Bars	Lbs. 112,660	
Structural Steel	Lbs. 38,334	38,334
5" Hollow Floor or Wall Tile	Sq. Ft. 1080	
8" Galv. C.M. Pipe	Ln. Ft. 160	
Cast Iron Frames & Girdes	Each 2	
Timber Test Piles	Each 8	
Treated Timber Piles 36" g.	Ln. Ft. 6156	
8" x 18" Conc. Test Pile	Each 2	
18" x 18" Conc. Piles 36" g.	Ln. Ft. 660	
Untreated Timber Piles 45" g.	Ln. Ft. 540	
Borrow Excavation	Cu. Yds. 11830	

GENERAL ELEVATION
P.W.A. DOCKET 1764-F
GRADE SEPARATION
I.T.R.R. - L. & M. R.R. - I.C.R.R.
N.Y.C. & S.T.L.R.R. AND
S.A. RTE. 30 - SEC. 6VB
MADISON COUNTY

COMPUTED	P. L. K. B.
CHECKED	J. B. K. B.
DRAWN	P. L. K. B.
CHECKED	J. B. K. B.
ASSEMBLED	
CHECKED	

EXAMINED	July 27, 1912
PASSED	
APPROVED	



BORINGS
Note - Borings are shown only as a guide to bidders in estimating soil conditions which may be encountered in the work.

FOR INFORMATION ONLY



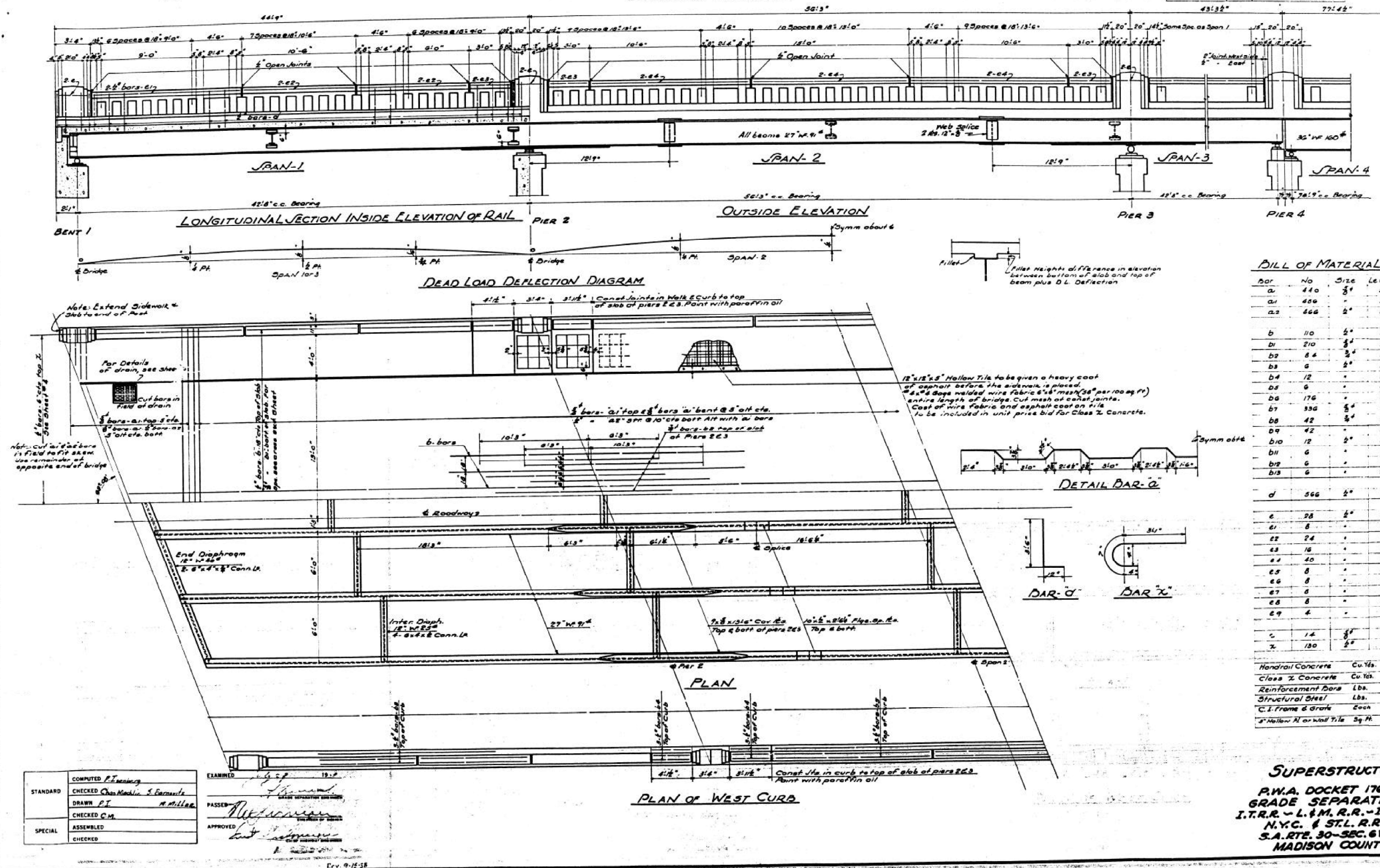
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CHECKED	CHECKED	REVISED
PLOT SCALE	DRAWN	REVISED
PLOT DATE	CHECKED	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

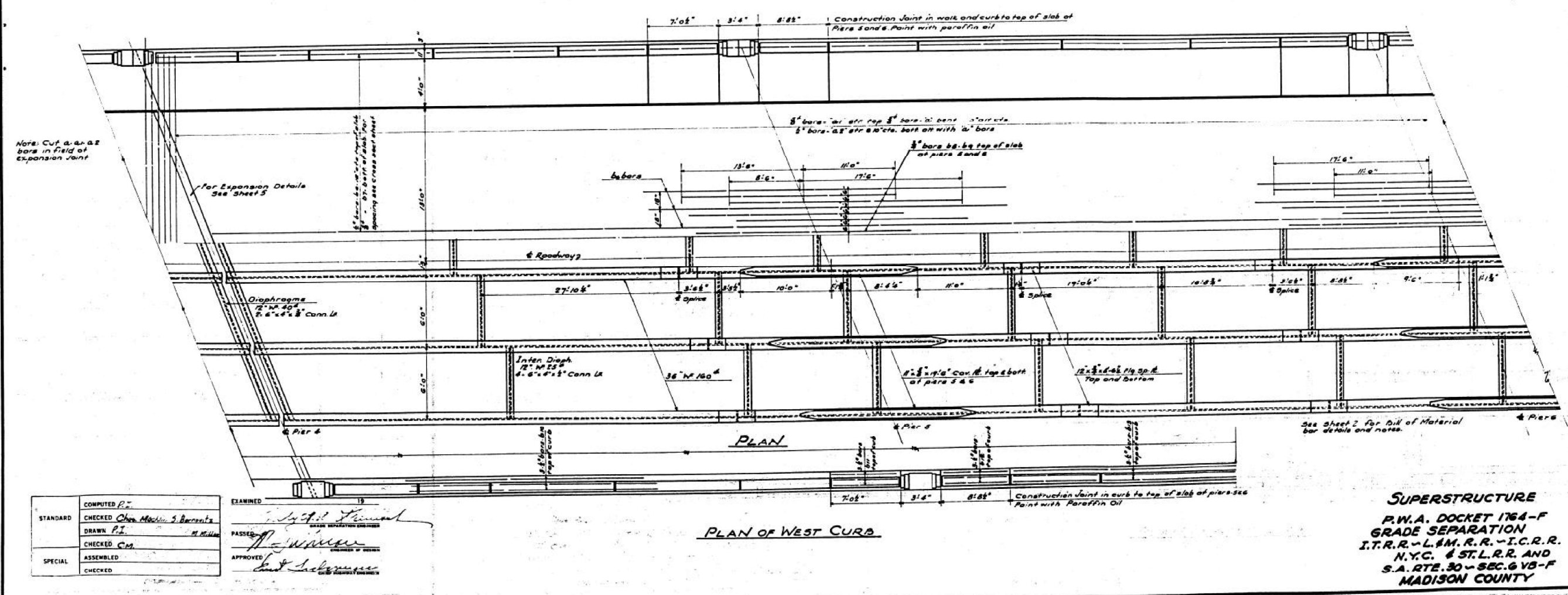
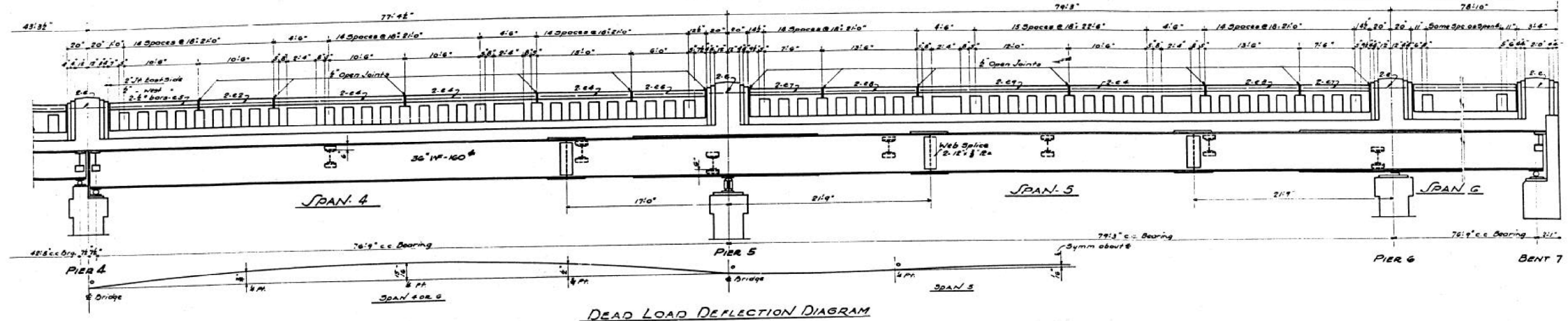
EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

SHEET 33 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VB-1	MADISON	68	51
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				



SUPERSTRUCTURE
P.W.A. DOCKET 1764-F
GRADE SEPARATION
I.T.R.R. ~ L.&M. R.R. ~ I.C.R.R.
N.Y.C. & S.T.L. R.R. AND
S.A. RTE. 30-SEC. 6VB-F
MADISON COUNTY

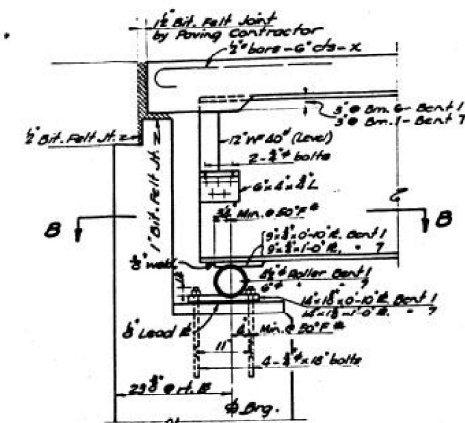


SUPERSTRUCTURE
P.W.A. DOCKET 1764-F
GRADE SEPARATION
I.T.R.R.-L.&M.R.R.-I.C.R.R.
N.Y.C. & ST.L.R.R. AND
S.A.R.T.E.-32-SEC.6 VS-F
MADISON COUNTY

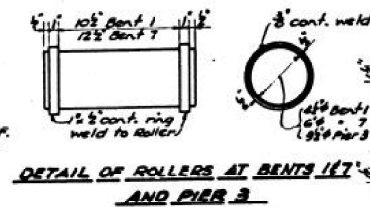
FOR INFORMATION ONLY

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

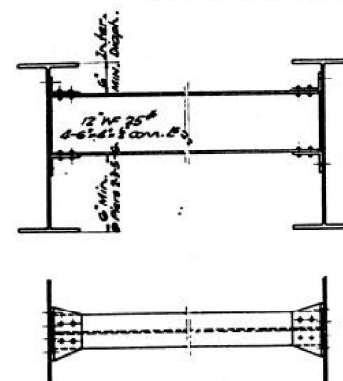
ROAD DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
FA.R.T.	6VB	Madison	12	6	9 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT P.W.A. 1764-F			



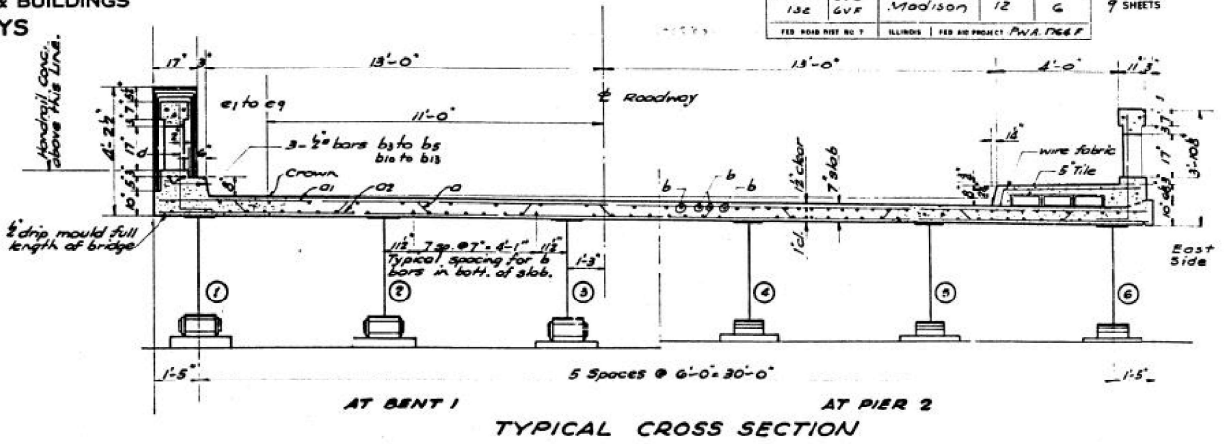
* Note: - Erector to increase each dimension by the same amount if the bent has moved or if the temperature is over 50°F. Decrease each by the same amount if the temperature is below 50°F.



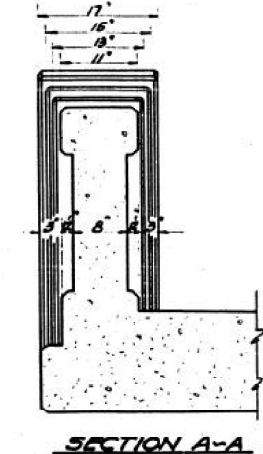
SECTION B-B



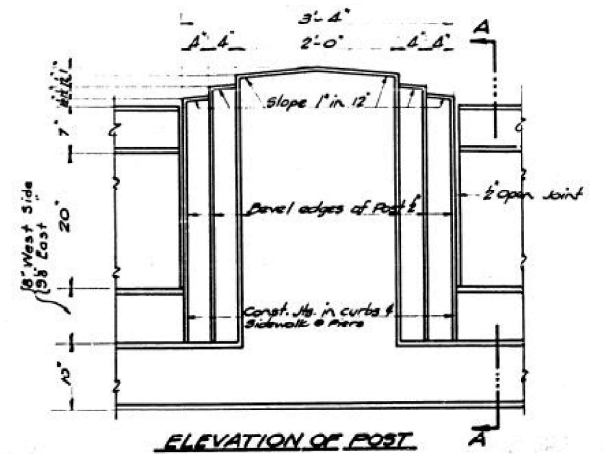
DETAIL OF INTERMEDIATE DIAPHRAGM



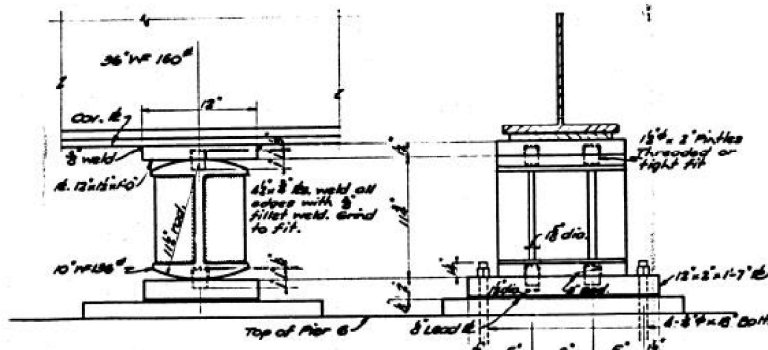
TYPICAL CROSS SECTION



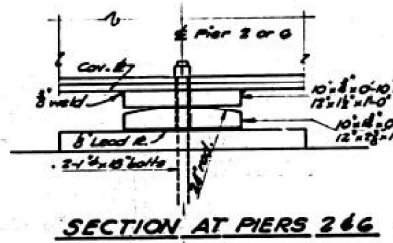
SECTION A-A



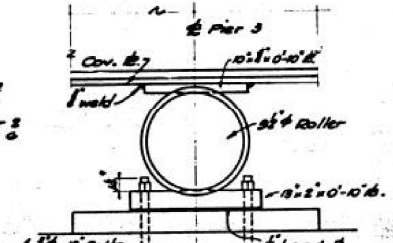
ELEVATION OF POST



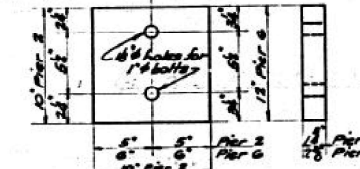
DETAIL OF ROCKER AT PIER 5



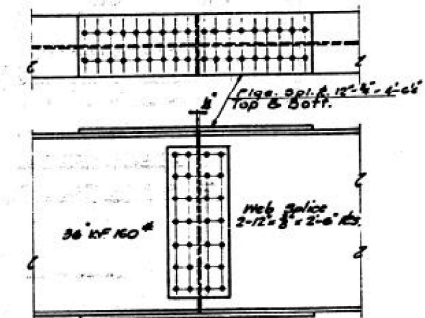
SECTION AT PIERS 2 & 6



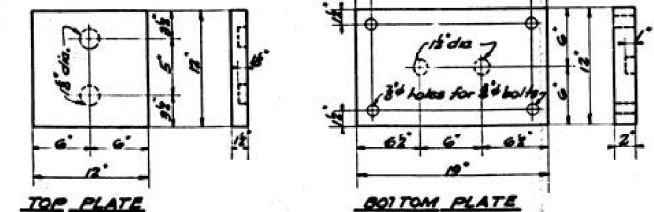
SECTION AT PIER 3



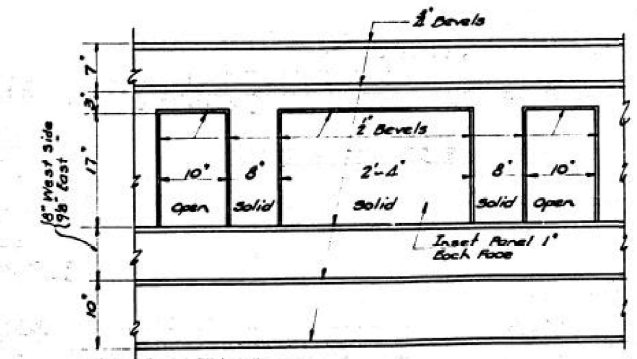
BOTTOM BRG. PLATES AT PIERS 2 & 6



DETAILS OF BEAM SPLICES



DETAILS OF BEARING RS. AT PIER 5



OUTSIDE ELEVATION OF RAIL

NOTES
For lbs. in contact with rollers the edges adjacent to collars shall be rolled, cut square or finished.
The weight of bearing lbs., rollers, lead lbs. & rockers is included for payment in bill of material on sheet No. 2 of Structural Steel.
Estimated weight 210,500 lbs.
For material and painting of rollers see Special Provisions.

DETAILS
P.W.A. DOCKET 1764-F
GRADE SEPARATION
I.T.R.R. & L.M.R.R. - I.C.R.R.
N.Y.C. & ST.L. R.R. AND
S.A. RTE. 30-SEC. 6VB
MADISON COUNTY

COMPUTED P.I.	EXAMINED	July 31	1939
CHECKED	Chas. Mordis	J. Barnette	
DRAWN P.I.			
CHECKED C.M.			
ASSEMBLED			
CHECKED			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VB-1	MADISON	68	54
CONTRACT NO. 76P46				

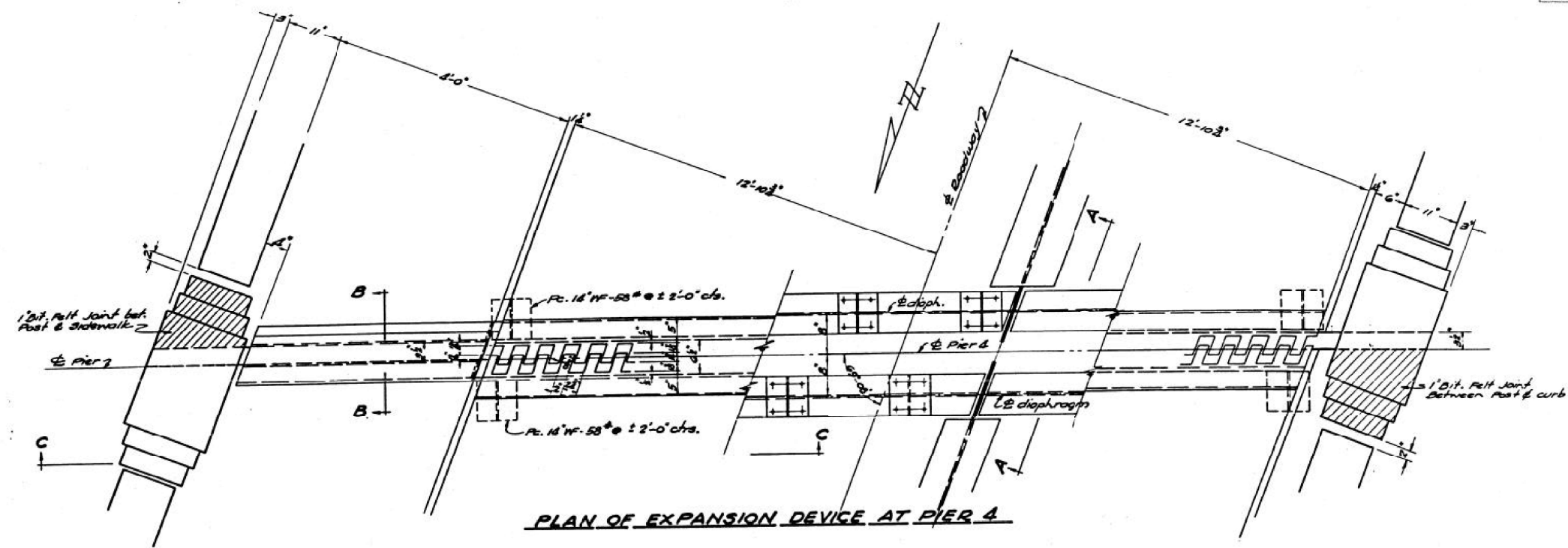
FOR INFORMATION ONLY

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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/9/2024	DRAWN -	REVISED -
	CHECKED -	REVISED -

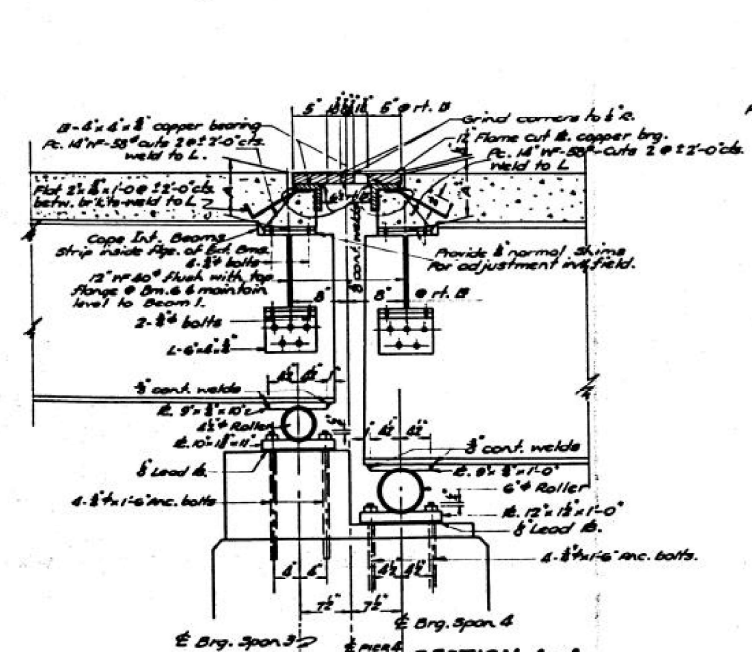
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

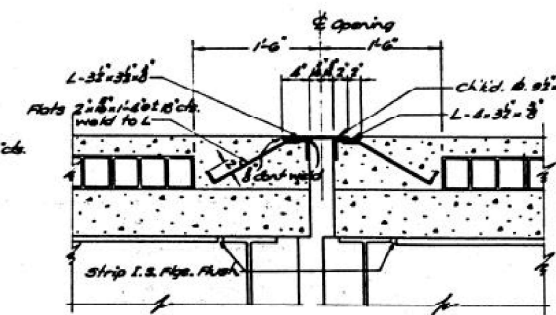
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
FA RT. 132	6VB	Madison	12	7	9 SHEETS
FILE NO. 060-0124	ILLINOIS	PER AIR PROJECT	060-0124		



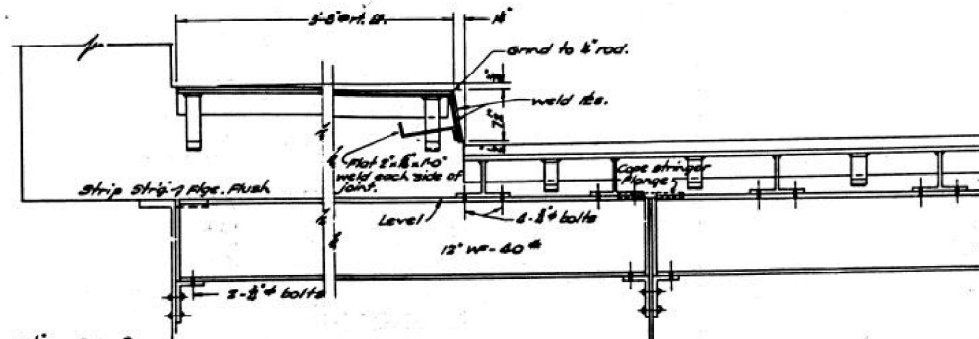
PLAN OF EXPANSION DEVICE AT PIER 4



SECTION A-A



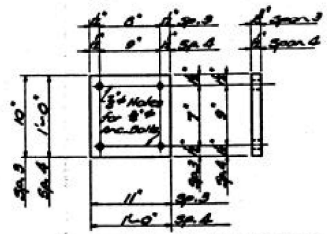
SECTION B-B



SECTION C-C

TABLE FOR DIMENSION 'A'						
Stringer	1	2	3	4	5	6
Dimension 'A'	9'	8'	8'	7'	7'	7'

DETAIL OF ROLLERS FOR PIER 4



DETAIL OF BRG. RS. FOR PIER 4

COMPUTED	DESIGNED	REVISOR
CHECKED	CHECKED	REVISOR
DRAWN	DRAWN	REVISOR
CHECKED	CHECKED	REVISOR
ASSEMBLED	CHECKED	REVISOR
CHECKED		

EXPANSION DEVICE AND
BRG. DETAILS PIER 4
R.W.A. DOCKET 1764-F
GRADE SEPARATION
I.T.R.R. - L.E.M. R.R. - I.C.R.R.
N.Y.C. & ST.L.R.R. AND
S.A.R.T.E. 30-SEC. 6-VB
MADISON COUNTY

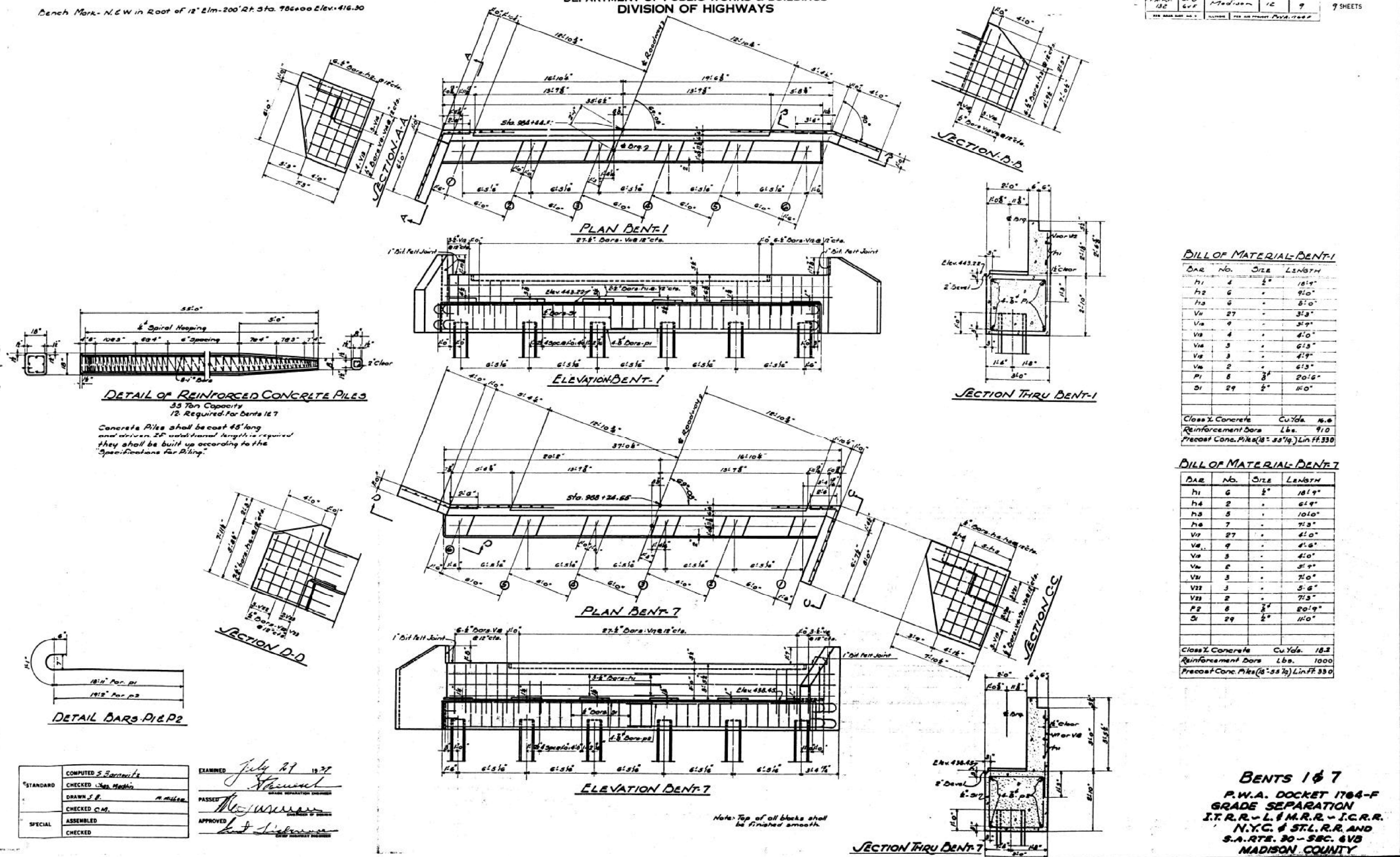
FOR INFORMATION ONLY

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Bench Mark - N.E.W in Root of 12' Elm - 200' Rt. Sta. 786+00 Elev. 416.30

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

ROAD DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
F.A.R. 132	6V8	Madison	12	9	9 SHEETS
PER ROAD DIST. NO. 7					



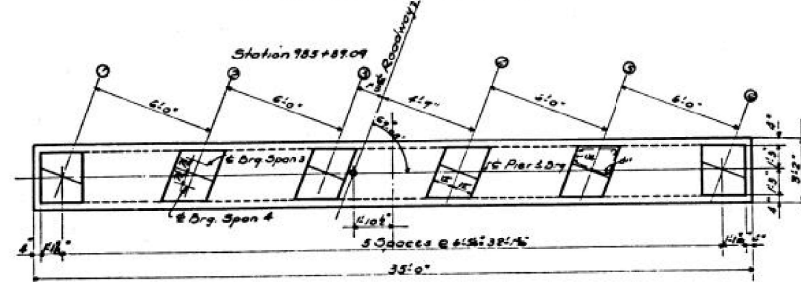
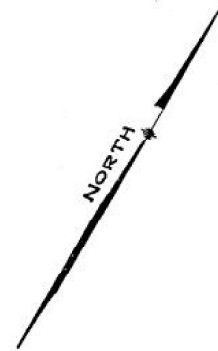
FOR INFORMATION ONLY

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Bench Mark - N 4 W in Root of 12" Elm - 200' Rt. Sta. 786+00 Elev. - 416.30

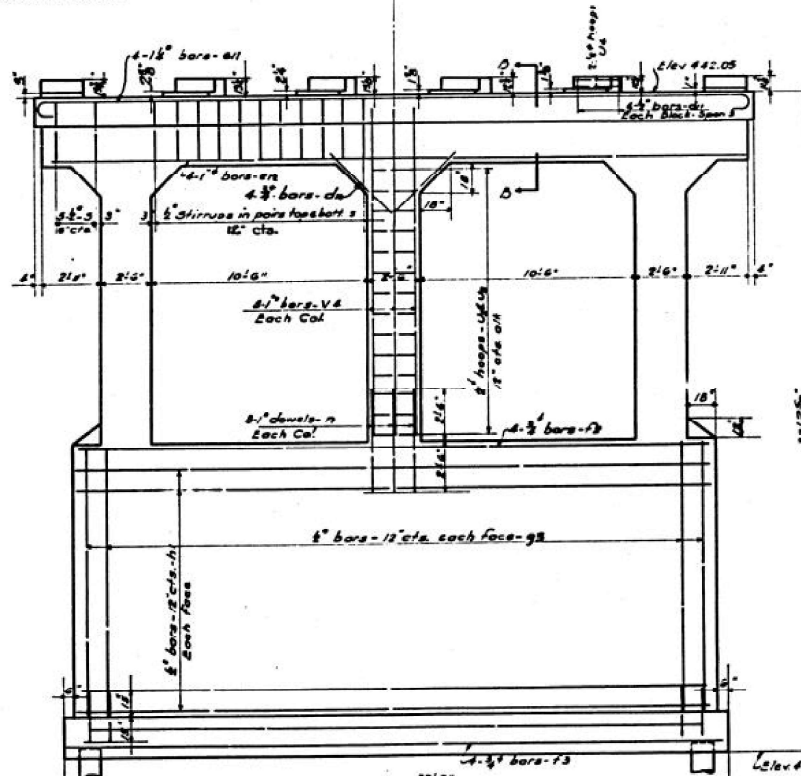
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROAD NAME	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9
RT. 132	6V1	Madison	12	11	9 SHEETS
PER ROAD DIST NO. 7	ILLINOIS	PER AID PROJECT	PWA 1764 F		

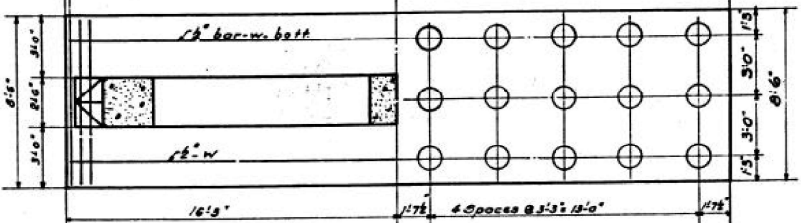


PLAN OF COPING

Note: Top of blocks
shall be finished smooth

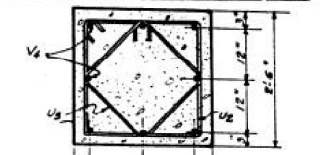


ELEVATION

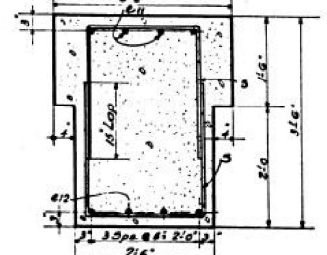


HALF FOOTING PLAN

HALF PILING PLAN



SECTION-A-A



SECTION-D-D

BILL OF MATERIAL

Bar	No.	Size	Length
d10	24	10"	46.0'
e11	4	10"	38.0'
e12	4	10"	38.0'
d11	24	10"	38.0'
f12	4	10"	38.0'
f13	4	10"	38.0'
h1	24	10"	38.0'
g1	24	10"	38.0'
n1	24	10"	38.0'
n1	24	10"	38.0'
g	24	10"	38.0'
g	24	10"	38.0'
u1	21	10"	38.0'
u1	21	10"	38.0'
v	21	10"	38.0'
u1	21	10"	38.0'
v	21	10"	38.0'

Class "C" Concrete Cu Yds. 823
Reinforcement Bars Lbs. 6210
Crested Timber 30' x 12' x 12' Lin. Ft. 1140

COMPUTED	P. J. J. J.
CHECKED	C. J. J. J.
DRAWN	P. J. J. J.
CHECKED	C. J. J. J.
ASSEMBLED	
CHECKED	

EXAMINED July 25 19 32
PASSED
APPROVED

FOR INFORMATION ONLY



USER NAME	DESIGNED	REVISED
	CHECKED	REVISED
PLOT SCALE	DRAWN	REVISED
DATE	CHECKED	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
STRUCTURE NO. 060-0124

SHEET 39 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	57
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194-054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-040-8\blank.dgn

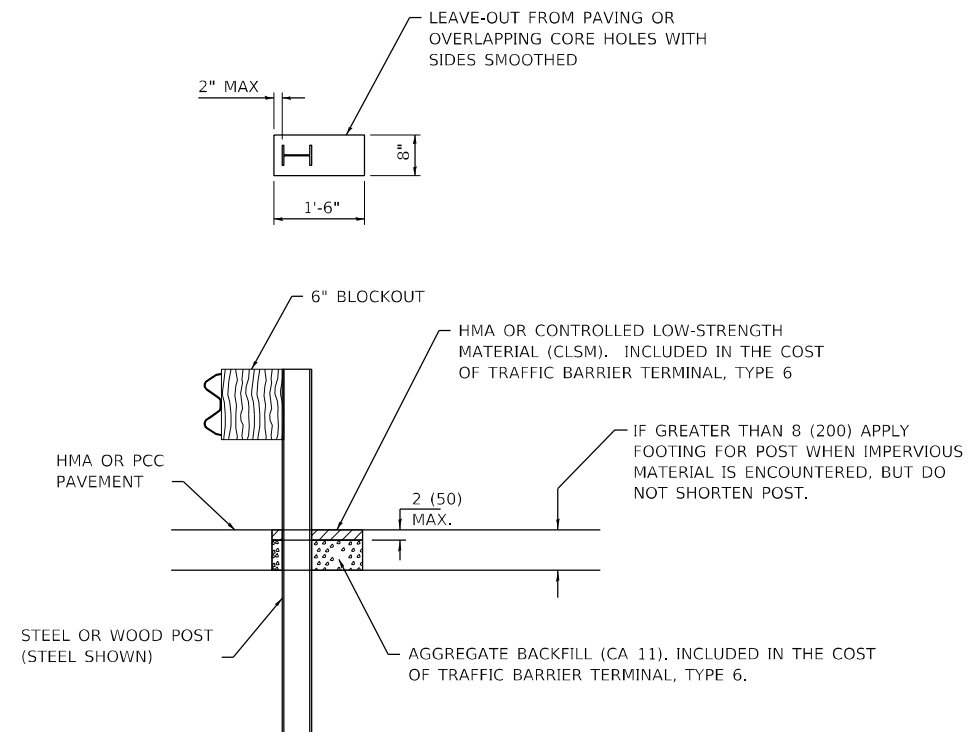
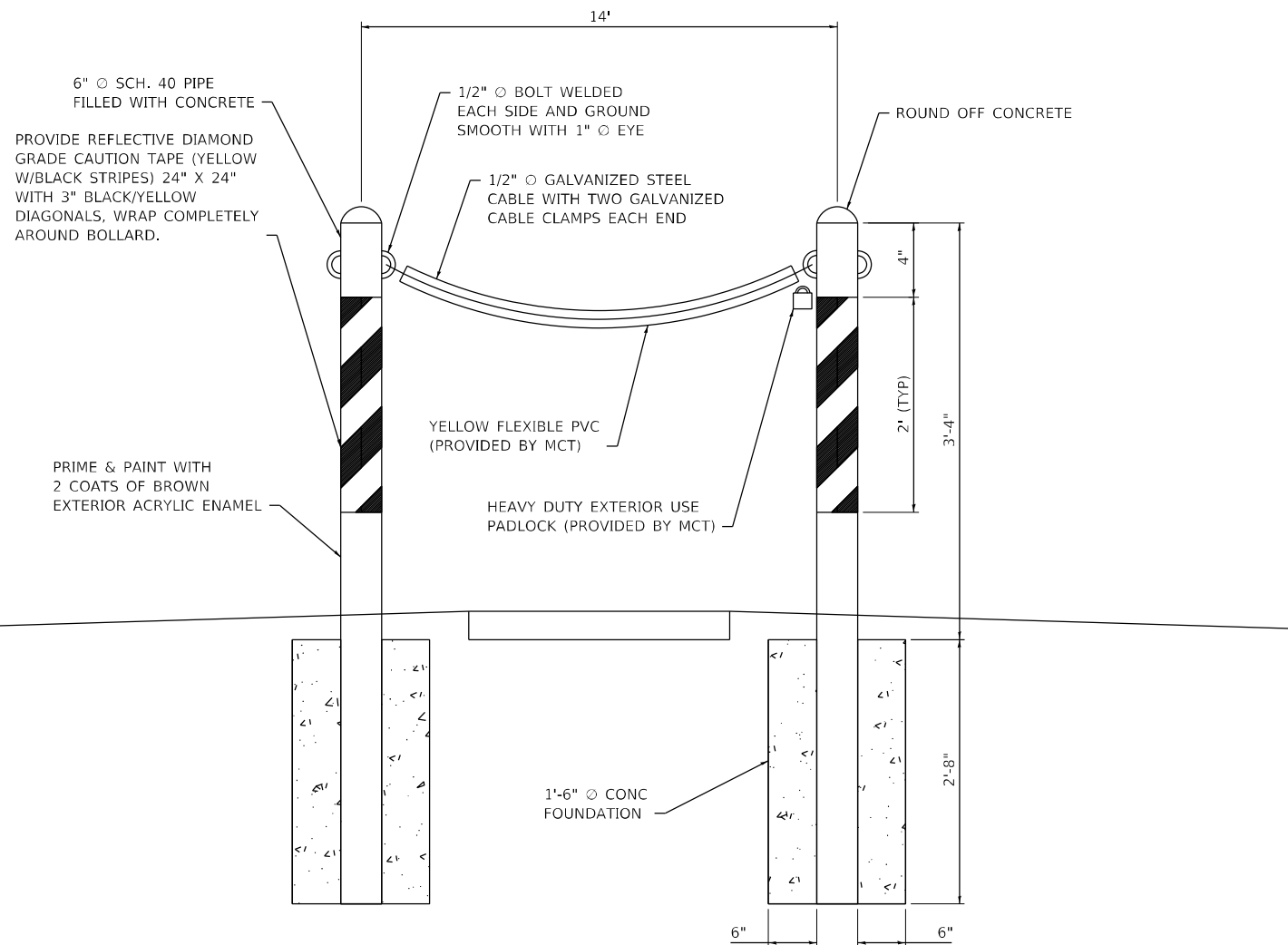
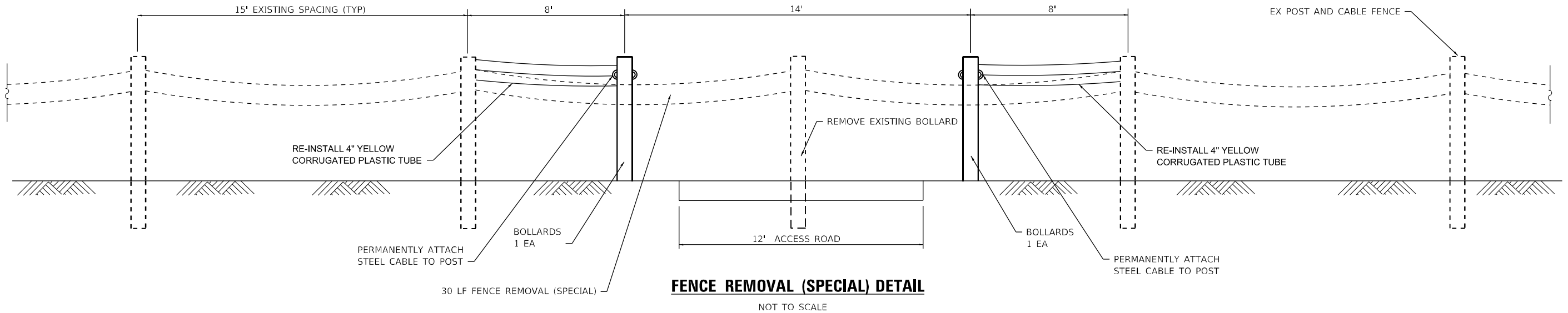
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FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194-054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-01-B\blank.dgn

SHEET INTENTIONALLY BLANK

FILE NAME: H:\P220022 - IDOT D8 PH 1 & 2 VAR - VAR (PTB194+054)\WO 6 - IL 111 Bridge Repairs SN 060-0122,0123,0124 - Updated Scope\Bridge\Final Plans\Microstation\060-0124\0600124-76P46-042-B\blank.dgn

SHEET INTENTIONALLY BLANK



MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)1914051\WO 7 - IL 111 Bridge Repairs SN 060-174 - Updated Scope\CADD\Microstation\CADD Drawings\027B046-shc-detail.dgn



USER NAME = zachary.hresko	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/7/2024	DATE -	REVISED -

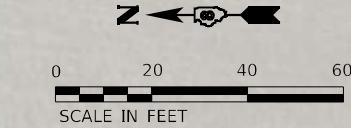
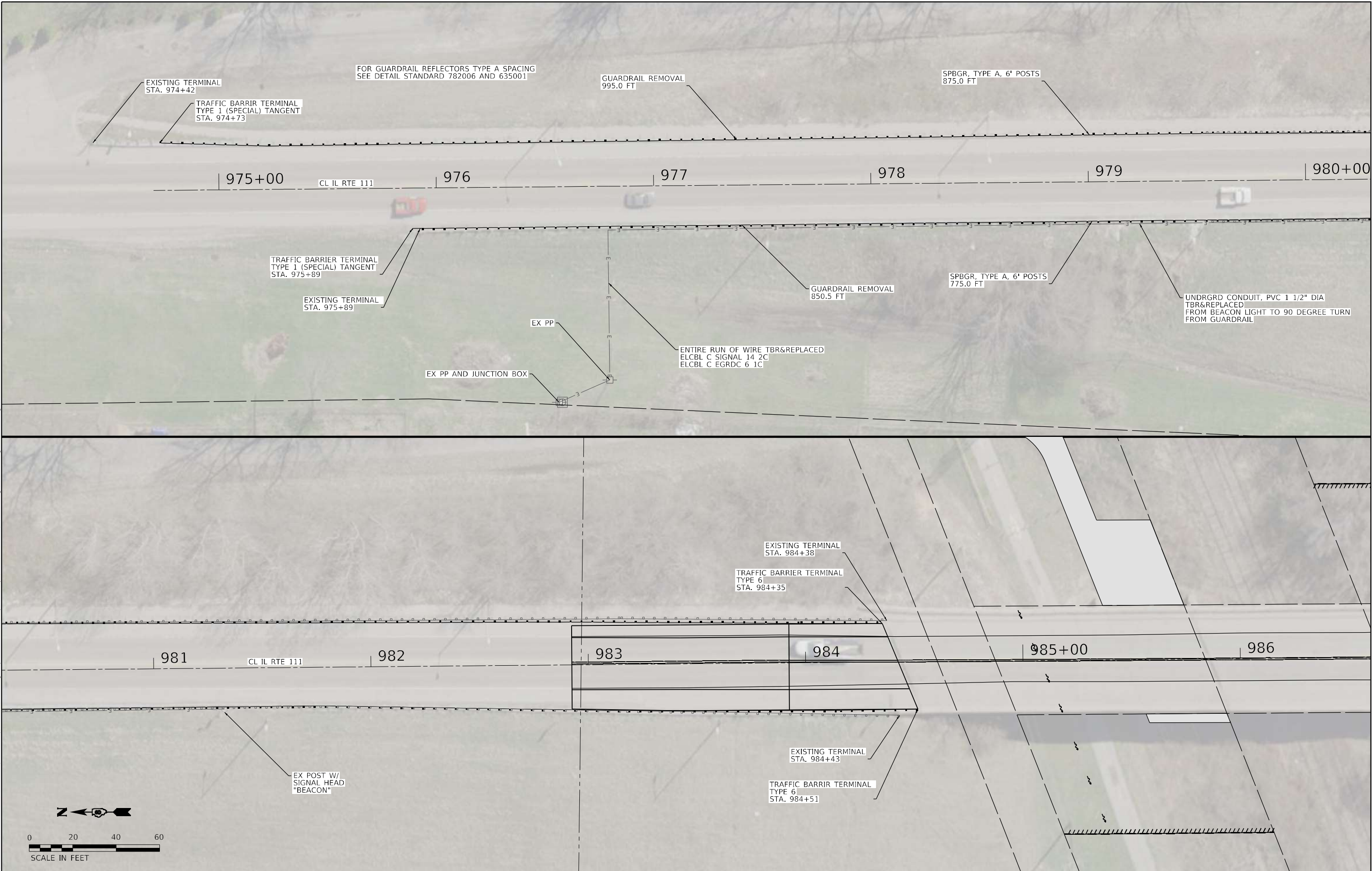
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	61
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: 100220022 - IDOT DB PH 1 & 2 VAR - VAR (PTE)19+05.11WO 7 - IL 111 Bridge Repairs SN 060-124 - Updated ScopeCADD\\Microstation\\CADD Drawings\\D97B946-shc-guarail\\detail.dgn



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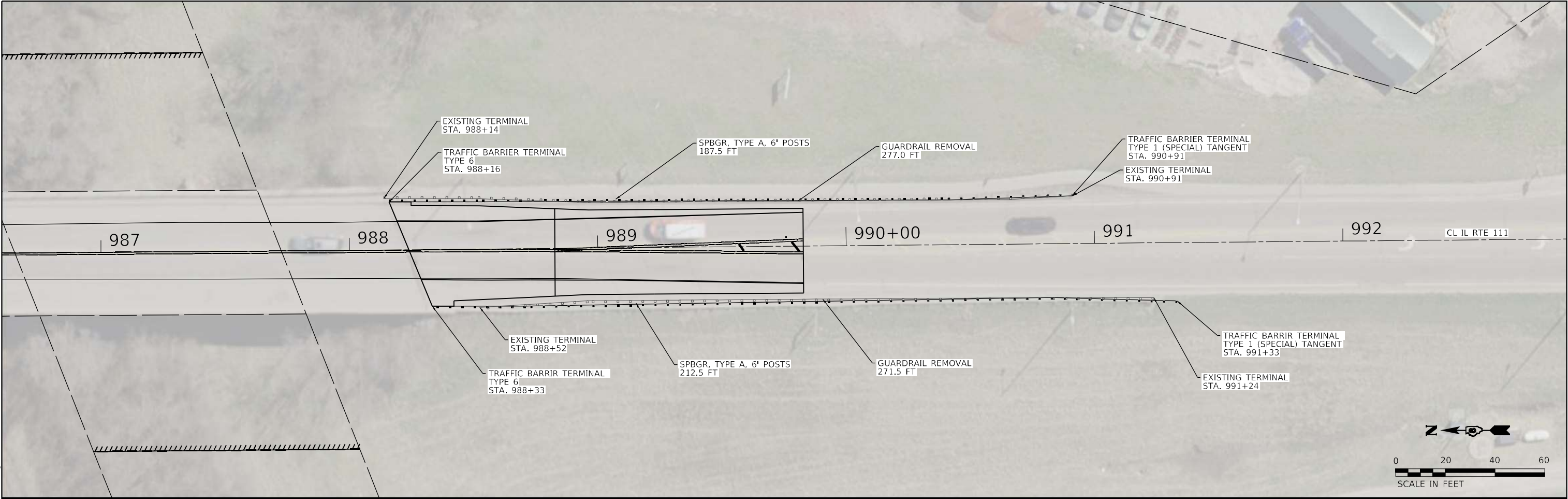
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: 1" = 20'	SHEET 1	OF 2	SHEETS	STA. 974+00	TO STA. 986+60
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	63
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				



MODEL: Default
FILE NAME: I:\0220022 - IDOT DB PH 1 & 2 VAS - VAR (PTE)1914054\IWO 7 - IL 111 Bridge Repairs SN 060-124 - Updated Scope\CADD\Microstation\CADD Drawing\027B046-shc-guardraildetail.dgn



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USER NAME = zachary.hresko	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/15/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

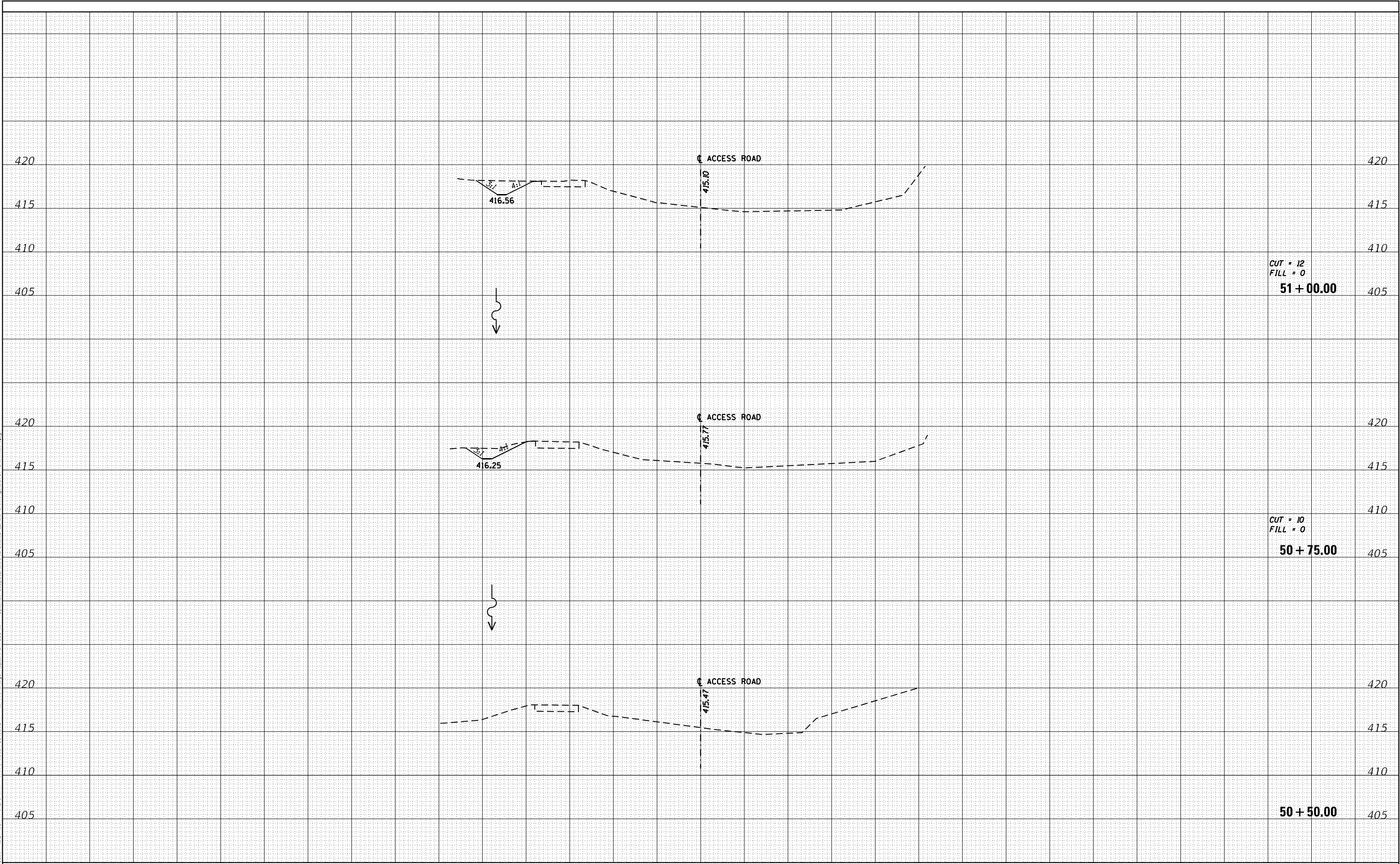
GUARDRAIL DETAILS			
SCALE: 1" = 20'	SHEET 2	OF 2 SHEETS	STA. 986+60 TO STA. 992+90

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6V8R-1	MADISON	68	64
CONTRACT NO. 76P46				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL Default
FILE NAME: H:\220072 - IDOT DB PH 1 & 2 VAR - VAR (761914254)WVO 7 - IL 111 Bridge Repairs S1 060124 - Updated ScopeCAD\01\Interstation\CADD Drawing\0276P46-S1-Access.dgn



USER NAME = zachary.hresko	DESIGNED -	REVISED -
PLOT SCALE = 20,0000' = 1 in.	DRAWN -	REVISED -
PLOT DATE = 3/7/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESS ROAD CROSS SECTIONS

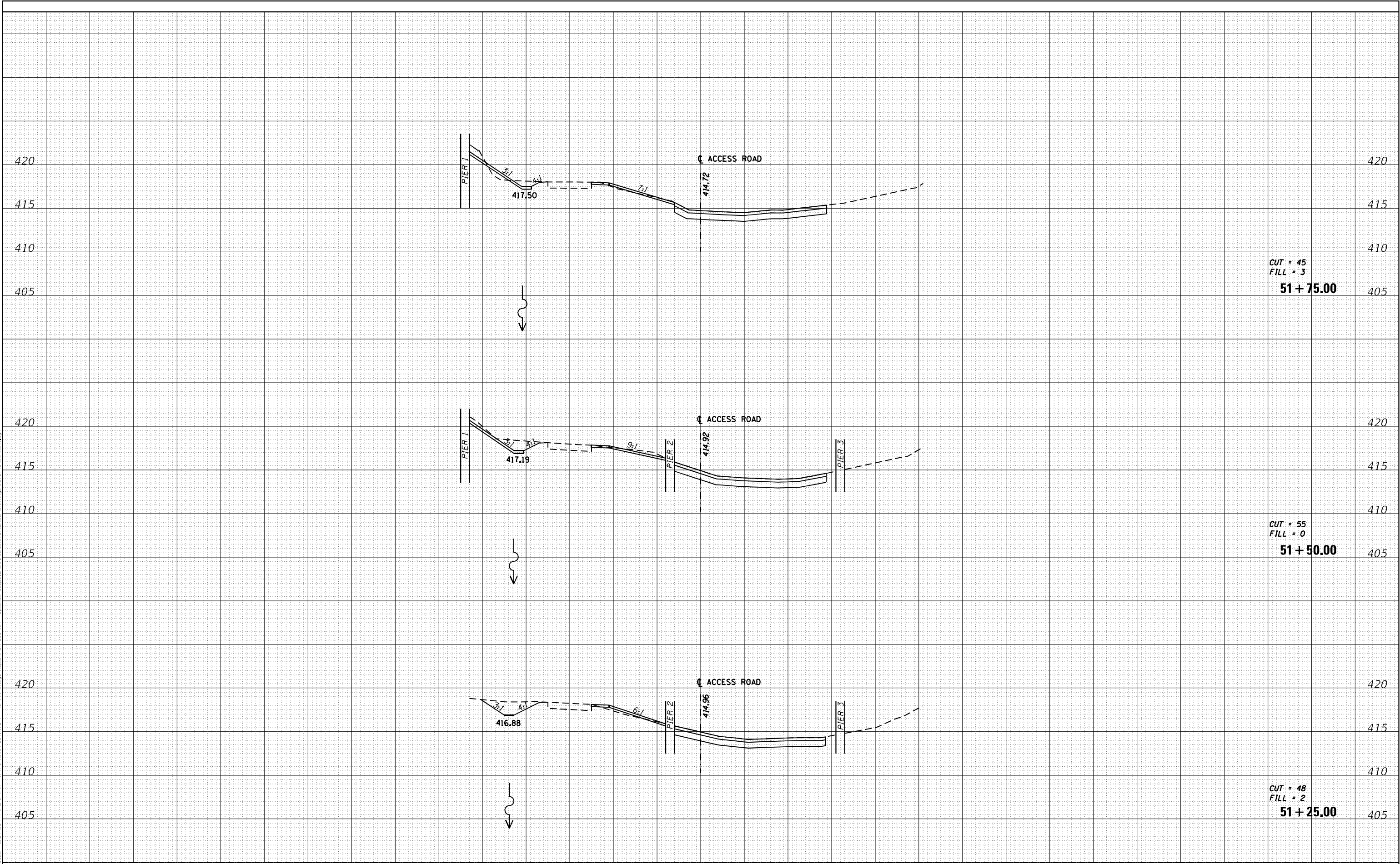
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	65
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

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

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

MODEL Default
FILE NAME: H:\220022 - IDOT DB PH 1 & 2 VAR - VAR (761914254)WVO 7 - IL 111 Bridge Repairs S1 060124 - Updated ScopeCAD\01\Interstation\CADD Drawing\0276P46-811-ssn.dgn



USER NAME = zachary.hresko
DESIGNED -
DRAWN -
PLOT SCALE = 20,0000 * / in.
CHECKED -
PLOT DATE = 3/7/2024
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESS ROAD CROSS SECTIONS

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	66
CONTRACT NO. 76P46				

CUT = 45
FILL = 3
51 + 75.00

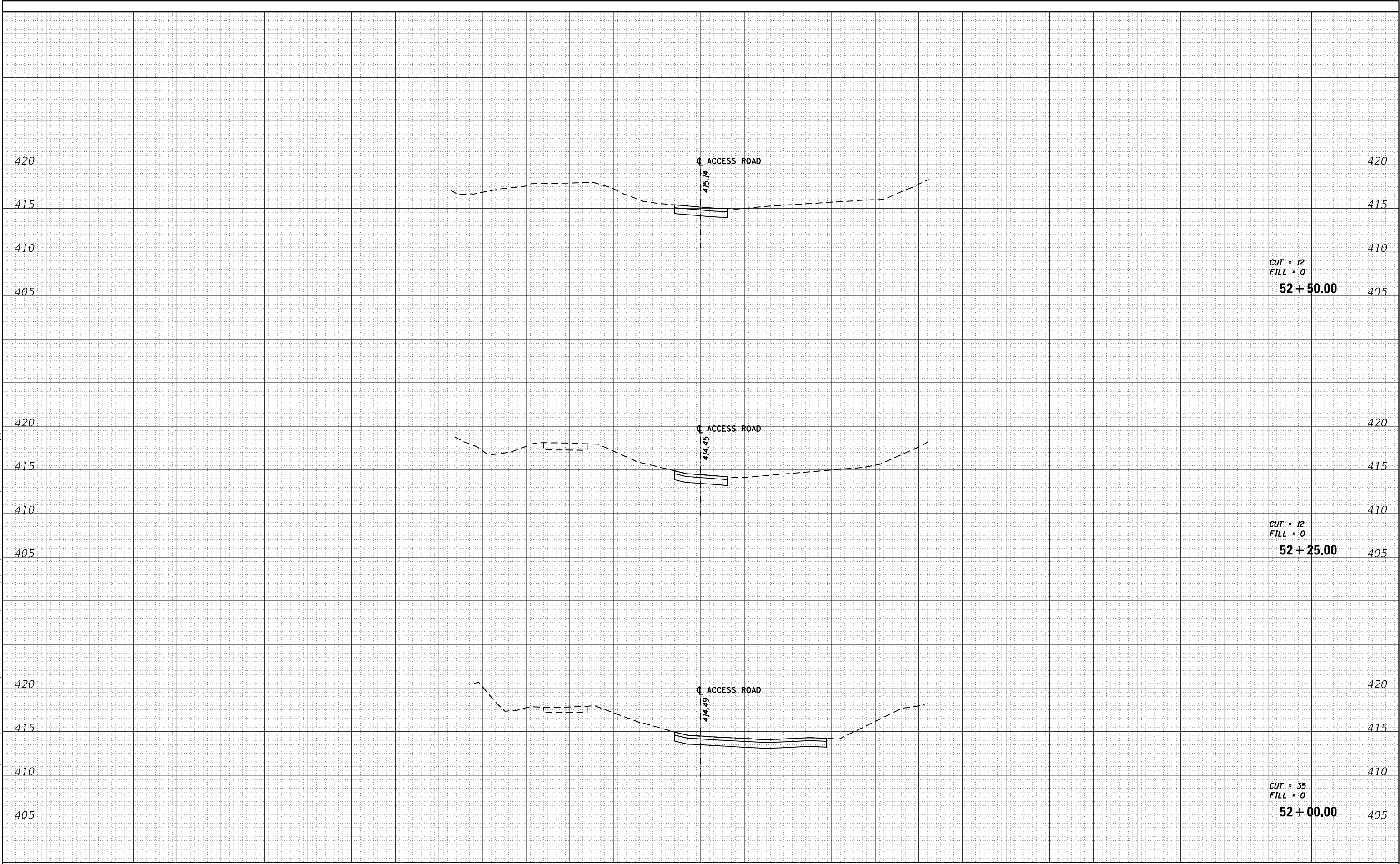
CUT = 55
FILL = 0
51 + 50.00

CUT = 48
FILL = 2
51 + 25.00

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

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

MODEL Default
FILE NAME: H:\220072 - IDOT D6 Ph 1 & 2 VAR - VAR (761914254)WO 7 - IL 111 Bridge Repairs St. 060124 - Updated ScopeCAD\Plot\Interstation\CADD Drawing\D676P46-8T-ssn.dgn





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USER NAME = zachary.hresko	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/7/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESS ROAD CROSS SECTIONS

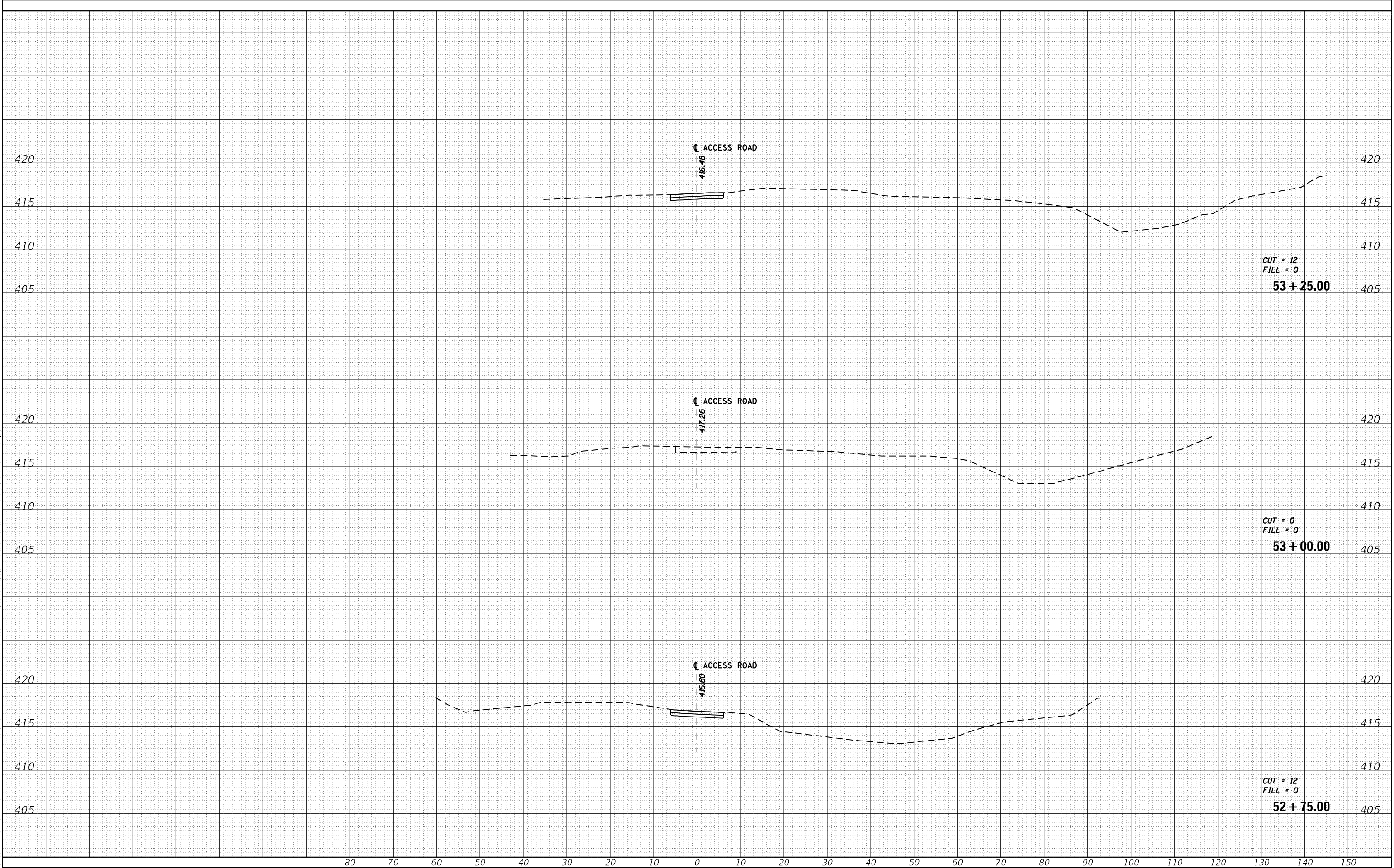
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	67
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				

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

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

MODEL Default
FILE NAME: H:\220022 - IDOT D6 Ph 1 & 2 VAR - VAR (761914254)WVO 7 - IL 111 Bridge Repairs Sl 060124 - Updated ScopeCAD\UtilityRestoration\CADD Drawing\D676P46-SH-Access.dgn



USER NAME = zachary.hresko	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 1/16/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESS ROAD CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	6VBR-1	MADISON	68	68
CONTRACT NO. 76P46				
ILLINOIS FED. AID PROJECT				