

051

01-17-2020 LETTING ITEM 051

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

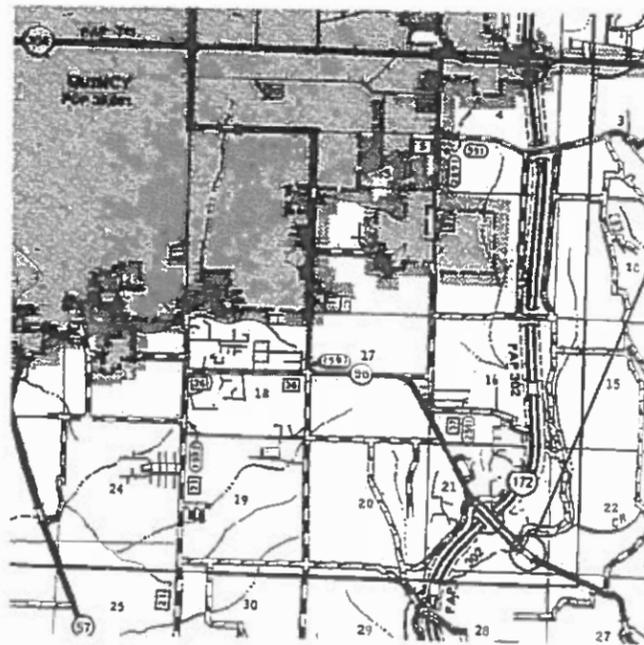
F.A.S. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	1
ILLINOIS CONTRACT NO. 72L47				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED CONTRACT MAINTENANCE

FAS ROUTE 1597 (IL 96)
SECTION (12) BJR, BRR
PROJECT (STATE)
EXPANSION JOINT REPLACEMENT
ADAMS COUNTY

C-96-026-20



PROJECT LOCATION
SN 001-0054
IL 96 OVER MILL CREEK
0.3 MI SE OF I-172



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

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY - (217) 785-9290

GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

CONTRACT NO. 72L47

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 10, 2019

Julie P. M... REGIONAL ENGINEER

Dee... ENGINEER OF DESIGN AND ENVIRONMENT

Paul P. Ch... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, SIGNATURES, GENERAL NOTES, & SCHEDULES
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- 5 TYPICAL SECTIONS
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- 7 STAGING PLAN
- 8 TRAFFIC CONTROL PLAN
- 9-16 SN 001-0054 BRIDGE PLANS

GENERAL NOTES:

STANDARDS

- 000001-07
- 001001-02
- 001006
- 701001-02
- 701006-05
- 701201-05
- 701301-04
- 701321-18
- 701901-08
- 704001-08
- 780001-05
- 782006-01

PAVING SCHEDULE				
STA	TO	STA	BIT MATL (TACK CT) (POUND)	HMA SURF COURSE (TON)
62+16	-	63+16	228	48
65+24	-	66+24	200	42
TOTALS			428	90

PAVEMENT MARKING REMOVAL SCHEDULE					
STA	TO	STA	LOC.	LINE TYPE	PAVT MARK REM (SQ FT)
STAGE I					
61+00	-	63+00	CL	DOUBLE SOLID	167
62+00	-	66+40	RT	SOLID	183
65+60	-	68+60	CL	SKIP DASH	32
STAGE II					
62+00	-	66+40	LT	SOLID	183
TOTAL					565

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED 10/13 20 19

 ENGINEER OF OPERATIONS

EXAMINED 10-7 20 19

 ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED October 9 20 19

 ENGINEER OF PROGRAM DEVELOPMENT

MIXTURE USE(S)	HMA SURFACE CSE
AC/PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5
FRICTION AGGREGATE	MIX "C"
QUALITY MANAGEMENT	QC/OA
SUBLOT SIZE	N/A

REV. - MS

MODEL: ENCL001
 PLOT DATE: 10/10/2019
 PLOT SCALE: 1/8" = 100.0000'

USLR NAME = duoleym	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, STANDARDS, GENERAL NOTES, SCHEDULES, MIX DESIGN, & SIGNATURES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1/8" = 100.0000'	DRAWN =	REVISED =			1597	(12) BIR. BR	ADAMS	16	2
PLOT DATE = 10/10/2019	CHECKED =	REVISED =			CONTRACT NO. 72L47				
	DATE =	REVISED =			ILLINOIS FED. AID PROJECT				

0-02174-6026
SN 001-0054
100% STATE

0-02174-6026
SN 001-0054
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/RURAL
				ADAMS
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	428	428
40600990	TEMPORARY RAMP	SQ YD	100	100
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	90	90
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	950	950
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	15	15
50102400	CONCRETE REMOVAL	CU YD	5.3	5.3
50300255	CONCRETE SUPERSTRUCTURE	CU YD	5.3	5.3
50300300	PROTECTIVE COAT	SQ YD	23	23
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	780	780
50800515	BAR SPLICERS	EACH	16	16
52000110	PREFORMED JOINT STRIP SEAL	FOOT	93	93
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/RURAL
				ADAMS
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70300100	SHORT TERM PAVEMENT MARKING	FOOT	100	100
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	33	33
70400100	TEMPORARY CONCRETE BARRIER	FOOT	400	400
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	400	400
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
*78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	1900	1900
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4
X0325748	ACRYLIC COATING	SQ YD	11.3	11.3
X0325749	FIBER WRAP	SQ FT	99.3	99.3
X0323818	CLEANING AND PAINTING EXPOSED REBAR	SQ FT	23	23
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	565	565

* SPECIALTY ITEM

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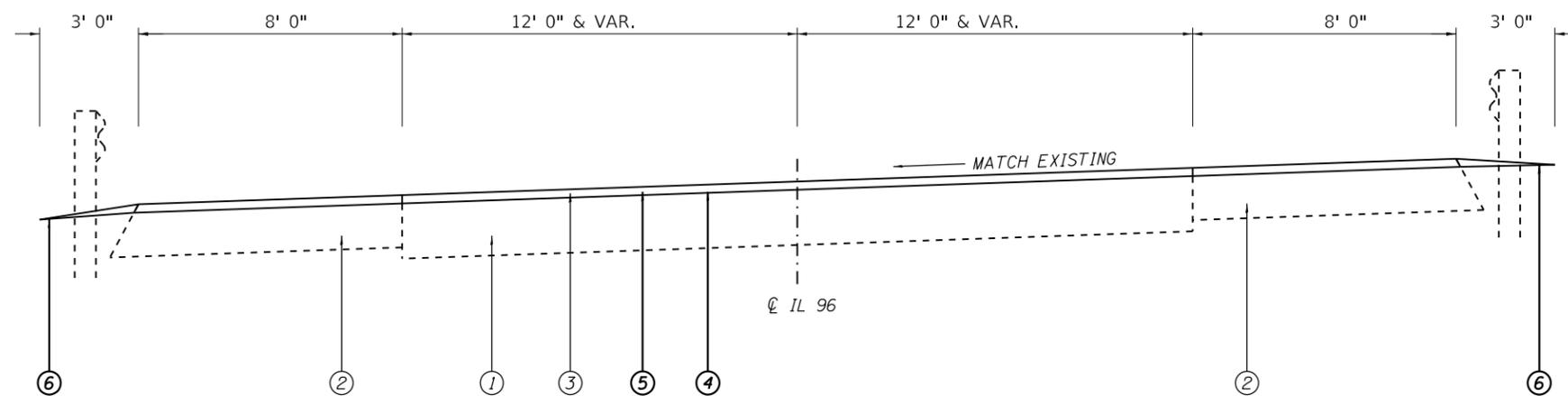
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	3
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



- ① EXISTING PCC BRIDGE APPR. PAVT. 10"
- ② EXISTING HMA SHOULDERS, 8"
- ③ EXISTING HMA SURFACE, 1-1/2"
- ④ PROPOSED HMA SURF. REM. 1-1/2"
- ⑤ PROPOSED HMA SURFACE COURSE, 1-1/2"
- ⑥ PROPOSED AGG. WEDGE SHOULDER, TY. B

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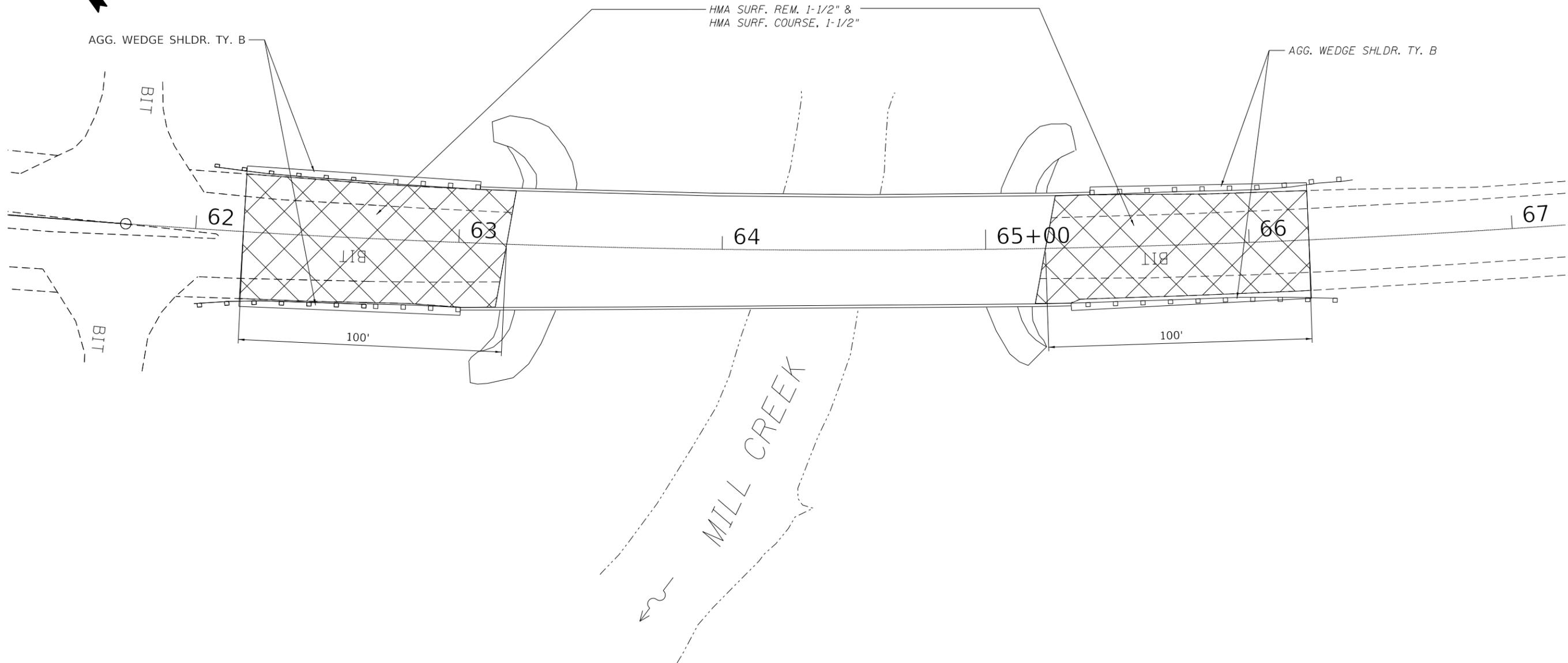
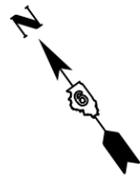
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	5
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



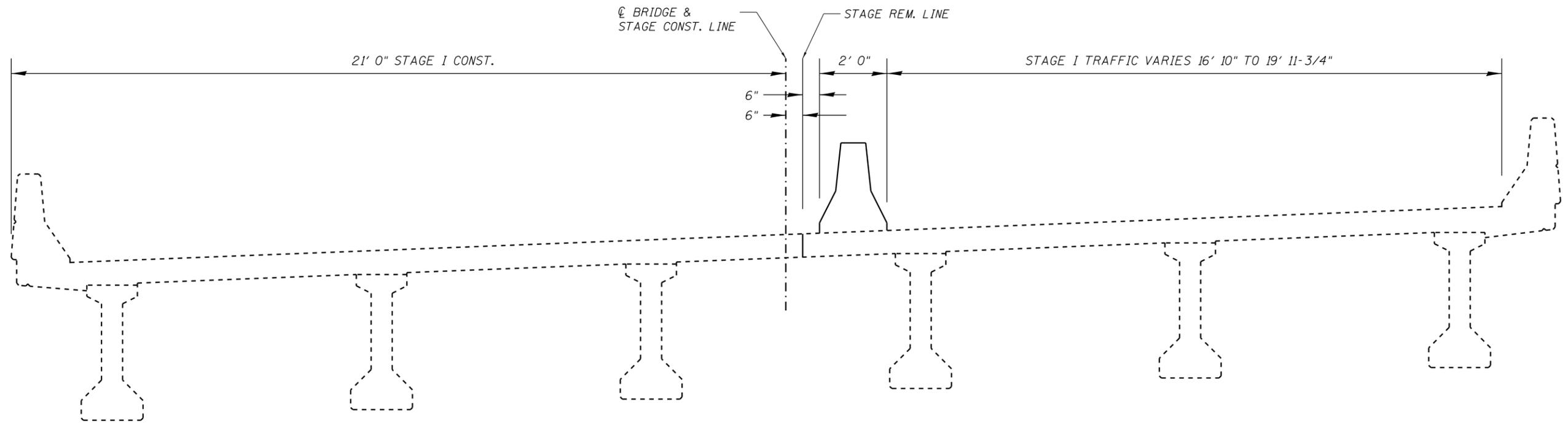
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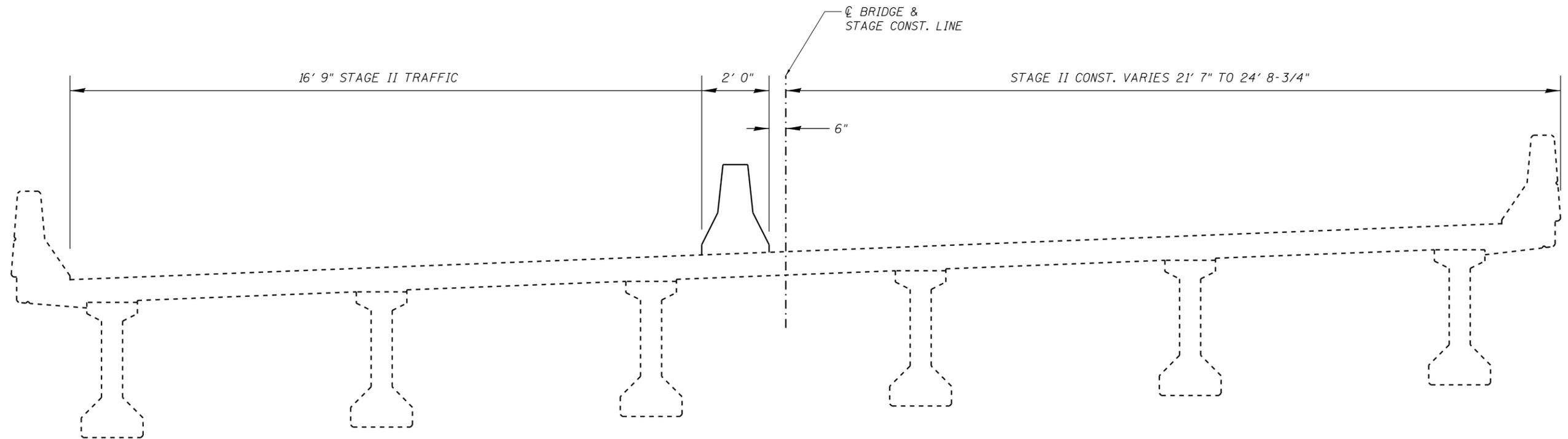
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	6
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



STAGE I CROSS SECTION (LOOKING EAST)



STAGE II CROSS SECTION (LOOKING EAST)

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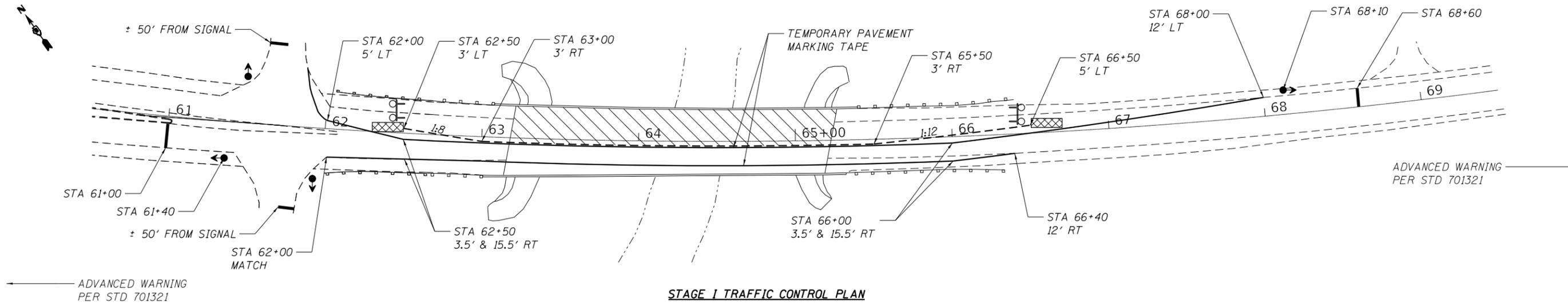
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DEPARTMENT OF TRANSPORTATION

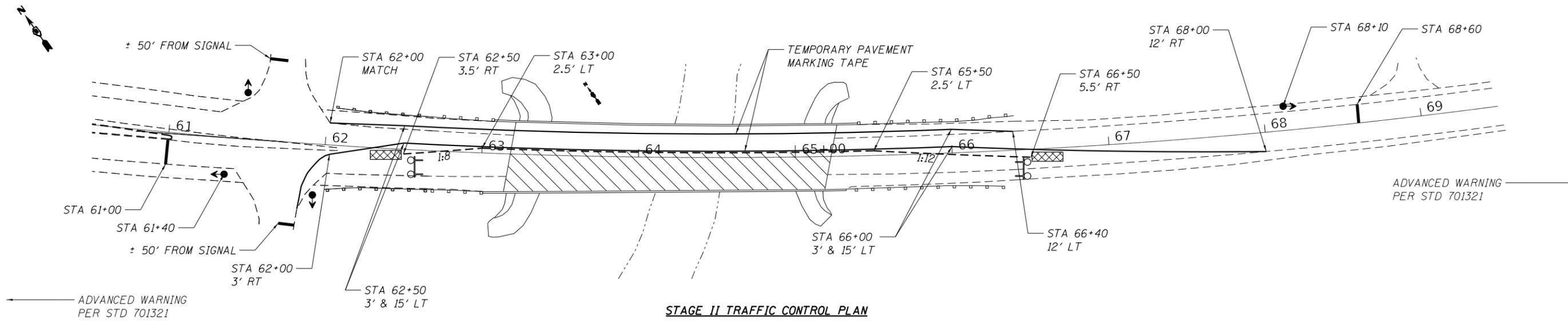
STAGING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

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1597	(12) BJR, BRR	ADAMS	16	7
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



STAGE I TRAFFIC CONTROL PLAN



STAGE II TRAFFIC CONTROL PLAN

SYMBOLS

-  WORK AREA
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR
-  TRAFFIC SIGNAL
-  TYPE III BARRICADE WITH FLASHING LIGHTS

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL BE PER STANDARD 701321. DEVICES AND TEMPORARY PAVEMENT MARKINGS SHOWN IN THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. IMPACT ATTENUATORS, AND TEMPORARY CONCRETE BARRIER SHALL BE PAID SEPARATELY.
2. TEMPORARY CONCRETE BARRIER OFFSETS GIVEN IN THIS DETAIL REFER TO THE EDGE OF THE BARRIER NEAREST TO LIVE TRAFFIC.
3. RUMBLE STRIPS SHOWN IN STANDARD 701321 WILL BE REQUIRED, AND SHALL NOT BE PLACED ON THE BRIDGE DECK TO THE WEST.

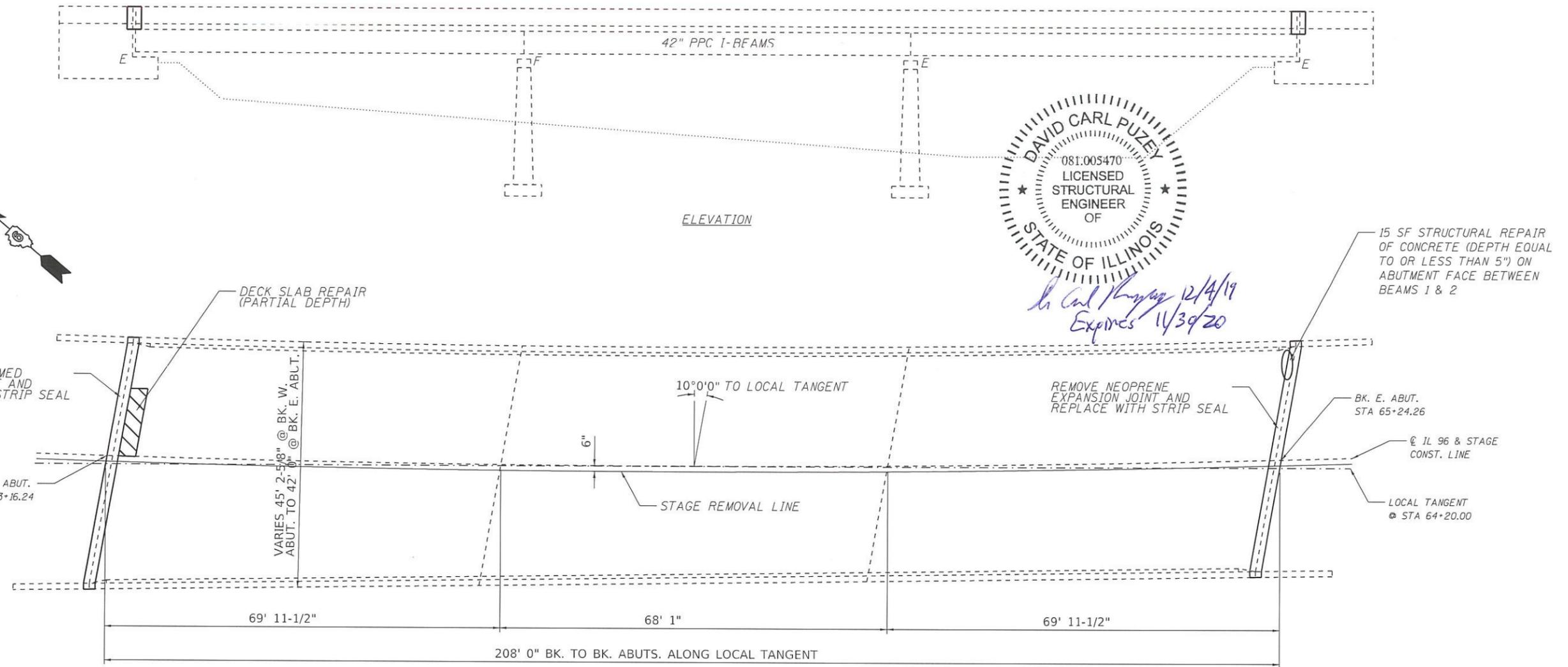
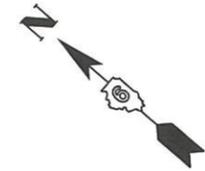
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	8
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



DAVID CARL PUZEY
 081.005470
 LICENSED
 STRUCTURAL
 ENGINEER
 OF
 STATE OF ILLINOIS
David Carl Puzevy 12/4/19
Expires 11/30/20

ELEVATION

PLAN

TOTAL BILL OF MATERIAL (001-0054)

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	5.3
Concrete Superstructure	Cu. Yd.	5.3
Reinforcement Bars, Epoxy Coated	Pound	780
Bar Splicers	Each	16
Preformed Joint Strip Seal	Foot	93
Protective Coat	Sq. Yd.	23
Deck Slab Repair (Partial Depth)	Sq. Yd.	4
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	15
Cleaning and Painting Exposed Rebar	Sq. Ft.	23
Fiber Wrap	Sq. Ft.	99.3
Acrylic Coating	Sq. Yd.	11.3
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	19.8

STRUCTURE GENERAL NOTES:

- ALL STRUCTURAL STEEL SHALL BE AASHTO M-270 GRADE 36, UNLESS OTHERWISE NOTED.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE MILL SCALE AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCLUDED IN CONCRETE REMOVAL.
- 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 THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.
- JOINT OPENINGS SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50°F.
- THE ABUTMENT AND DECK SURFACES IN THE AREAS OF EXPANSION JOINT REPLACEMENT SHALL HAVE A TINED FINISH AS PER ARTICLE 420.09(e)(1) OF THE STANDARD SPECIFICATIONS, COST INCLUDED WITH CONCRETE SUPERSTRUCTURE.
- PROTECTIVE COAT SHALL ONLY BE APPLIED TO THE NEW CONCRETE DECK AND PARAPET SURFACES ADJACENT TO THE PROPOSED EXPANSION JOINTS.

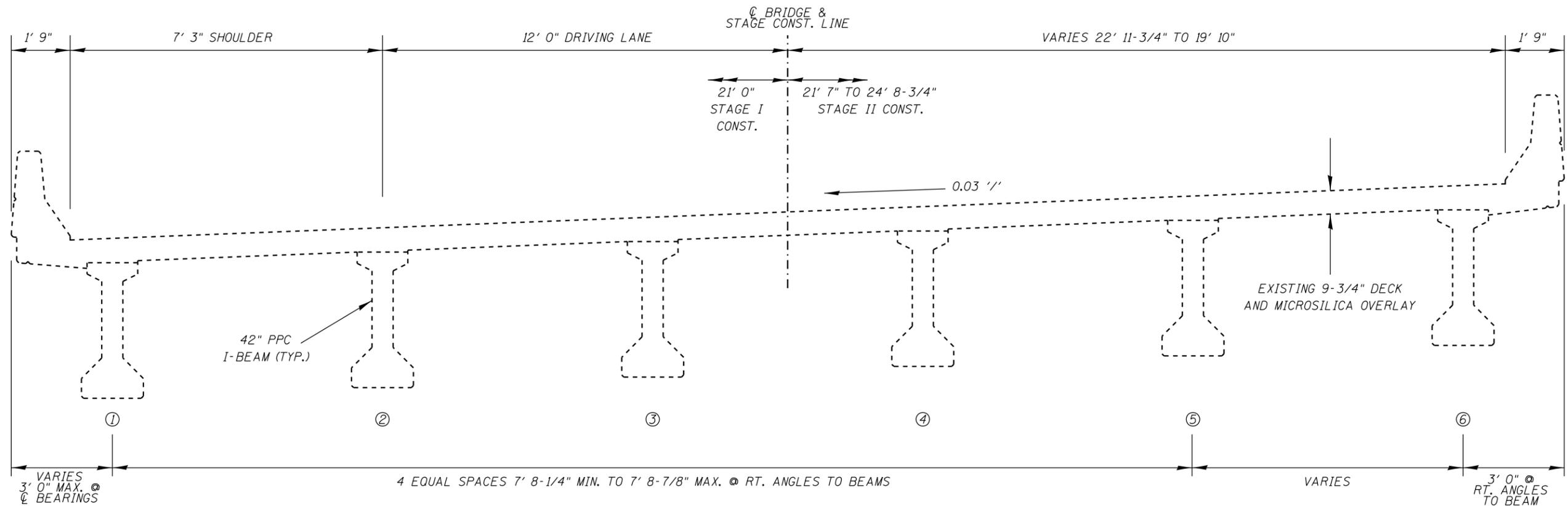
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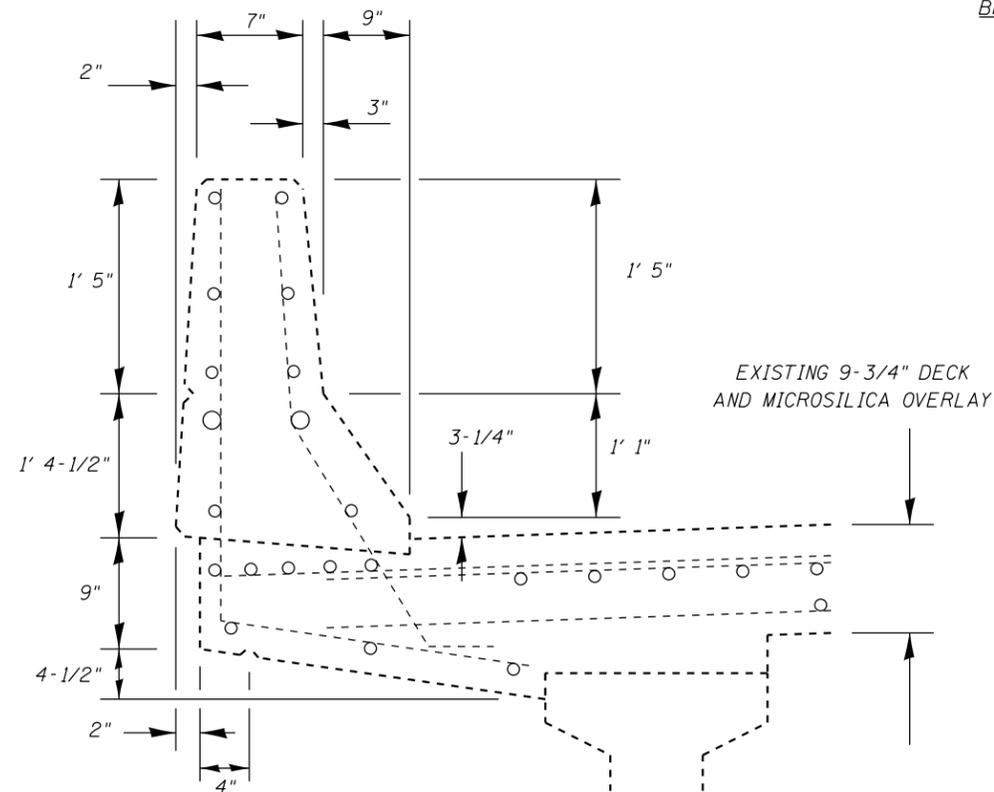
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION	
SN 001-0054	
SCALE:	SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	9
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



BRIDGE CROSS SECTION (LOOKING EAST)



TYPICAL PARAPET CROSS SECTION

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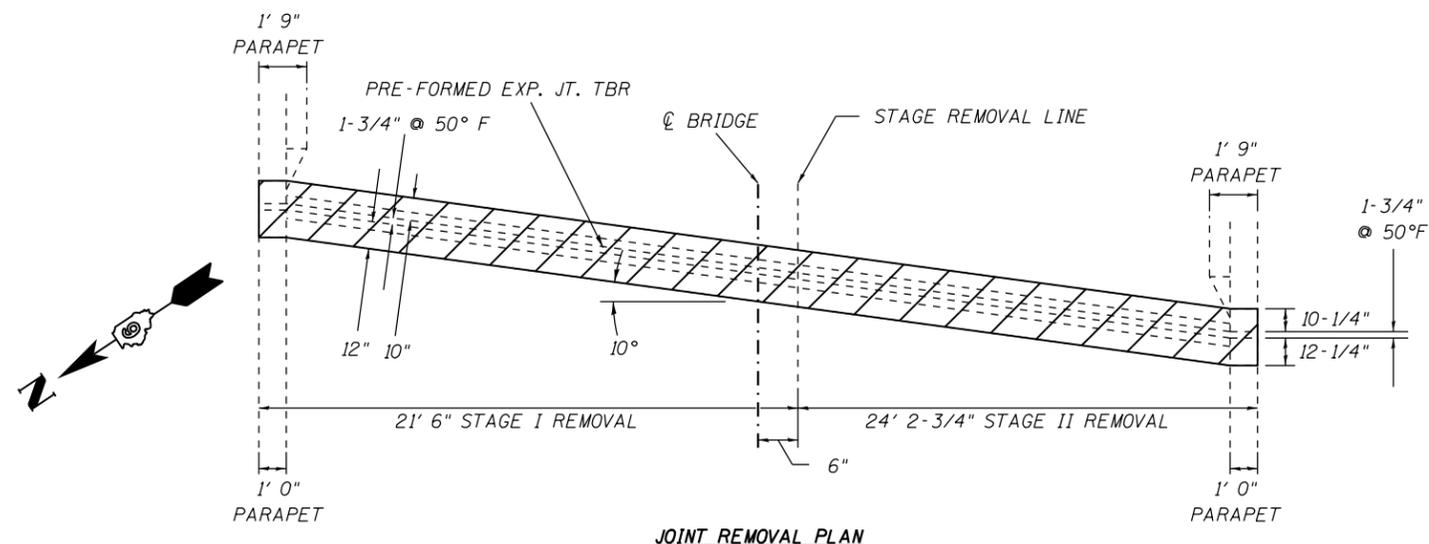
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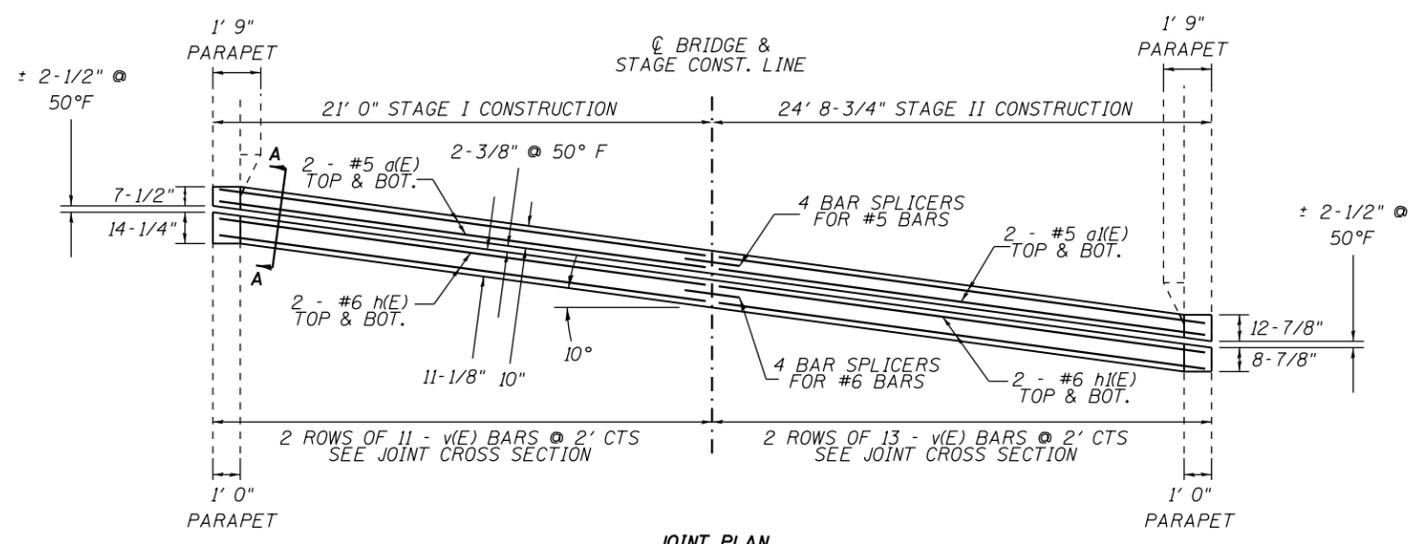
BRIDGE CROSS SECTION
SN 001-0054

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

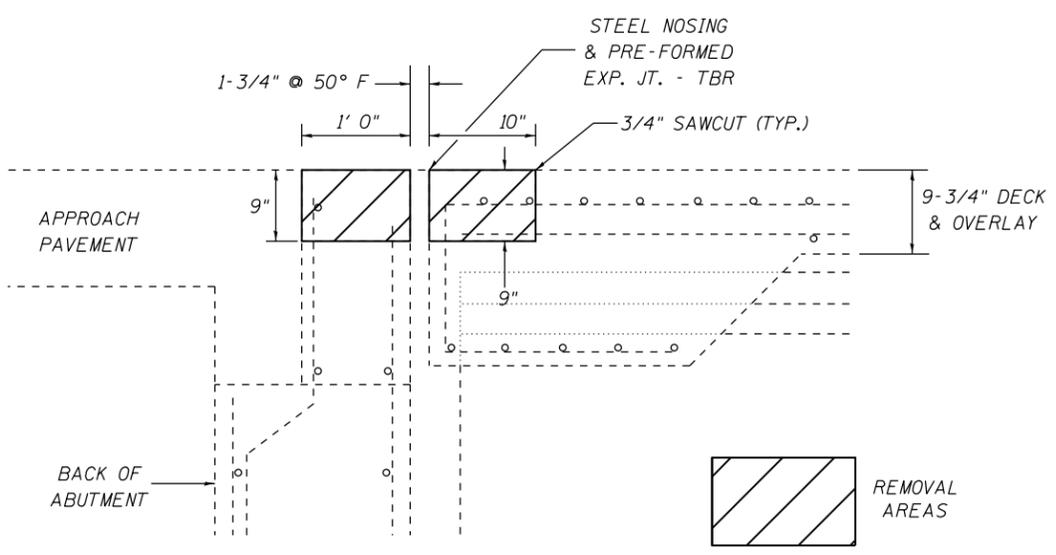
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1597	(12) BJR, BRR	ADAMS	16	10
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



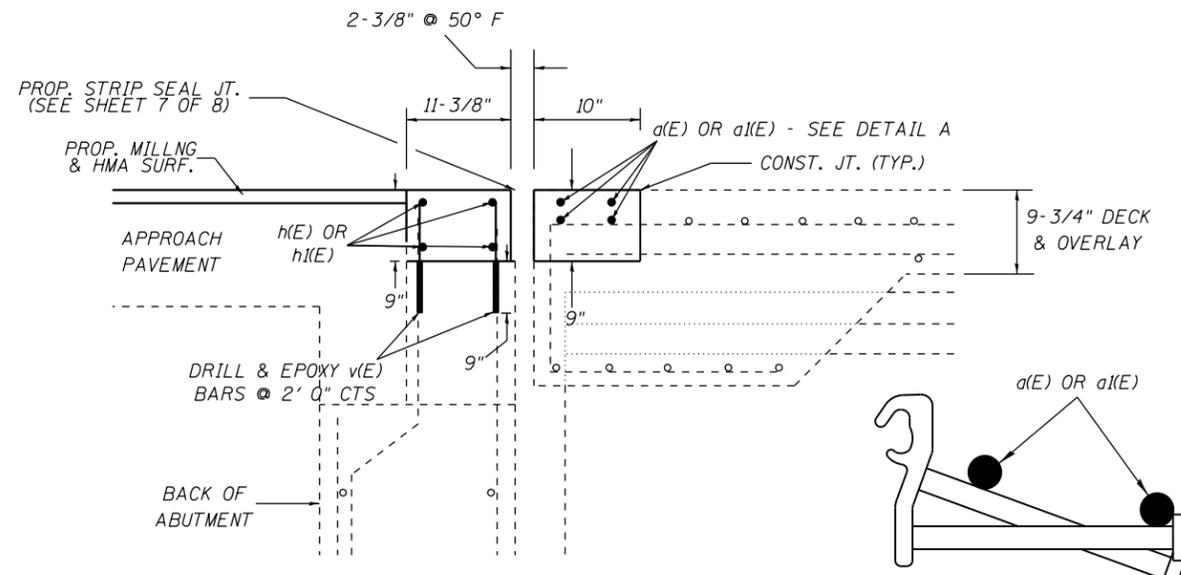
JOINT REMOVAL PLAN



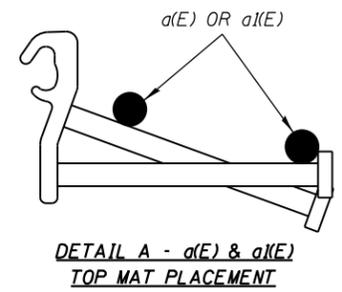
JOINT PLAN



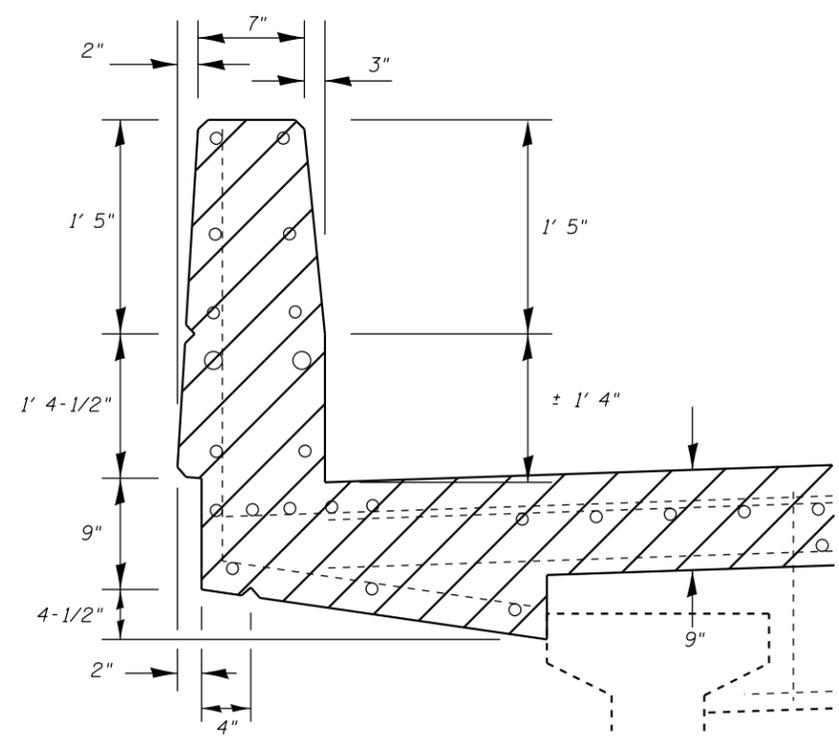
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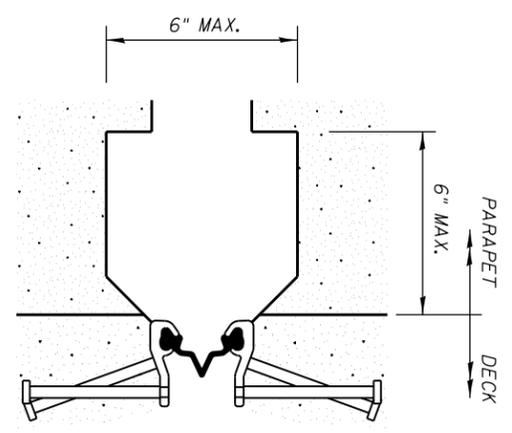
JOINT CROSS SECTION



DETAIL A - a(E) & a(I(E)) TOP MAT PLACEMENT



PARAPET REMOVAL CROSS SECTION



SECTION A-A JOINT BLOCKOUT DETAIL

NOTES:

1. REMOVAL OF EXISTING EXPANSION JOINT SHALL BE INCLUDED IN THE COST OF CONCRETE REMOVAL.
2. A 6" X 6" BLOCKOUT WILL BE PERMITTED IN THE BASE OF THE PARAPET AT THE EXPANSION JOINT IN ORDER TO FACILITATE JOINT SEAL INSTALLATION.
3. THE CONTRACTOR SHALL USE EXTREME CARE DURING CONCRETE REMOVAL SO AS NOT TO DAMAGE THE PPC I-BEAMS.
4. IN PARAPET REMOVAL AREAS, EXISTING REINFORCING SHALL REMAIN AND BE RE-INCORPORATED INTO THE NEW PARAPETS.

BILL OF MATERIAL - WEST JOINT

BAR	#	SIZE	LENGTH	SHAPE
a(E)	4	#5	21' 0"	—
a(I(E))	4	#5	24' 5"	—
h(E)	4	#6	21' 0"	—
h(I(E))	4	#6	24' 5"	—
v(E)	48	#5	1' 4"	—
REINFORCEMENT BARS (EPOXY COATED)			POUND	470
CONC. SUPERSTRUCTURE			CU YD	2.7
CONC. REMOVAL			CU YD	2.7

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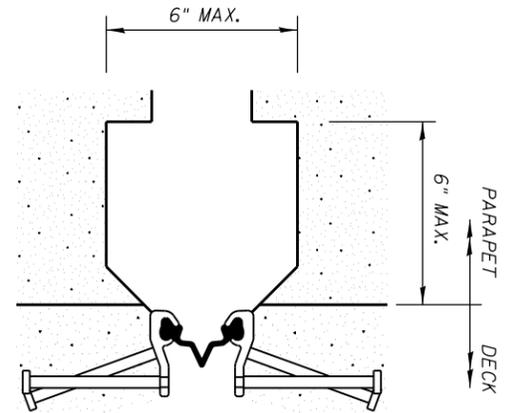
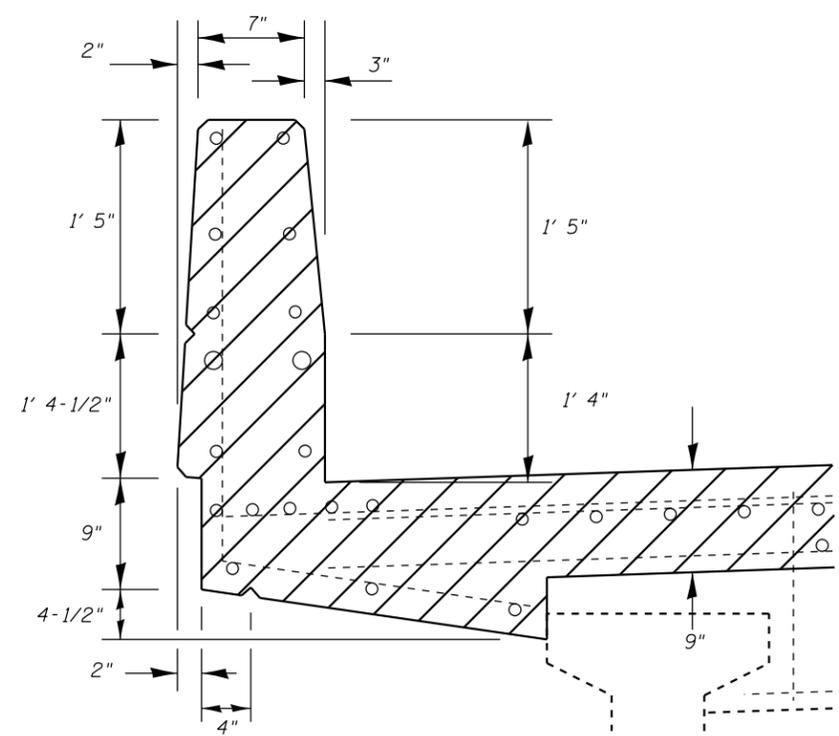
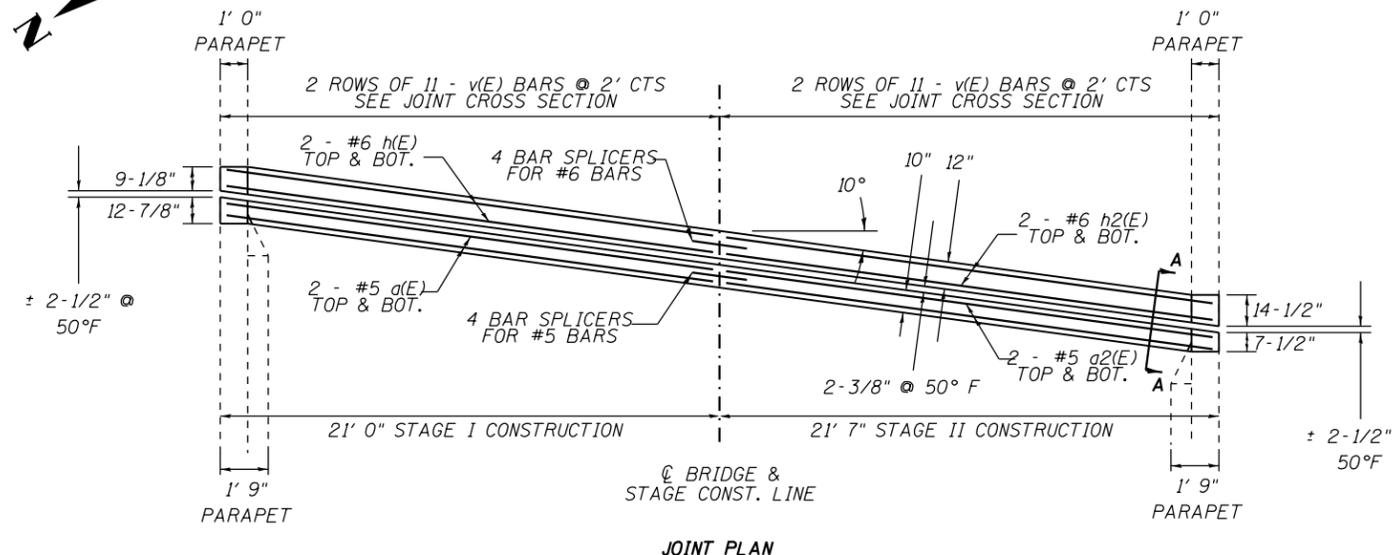
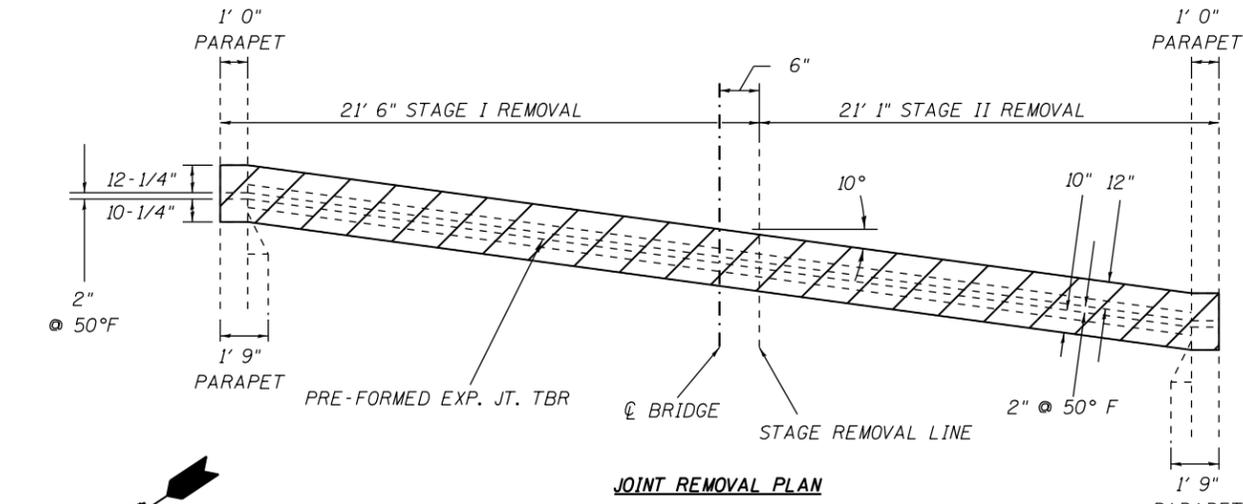
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**JOINT DETAILS - WEST ABUTMENT
SN 001-0054**

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

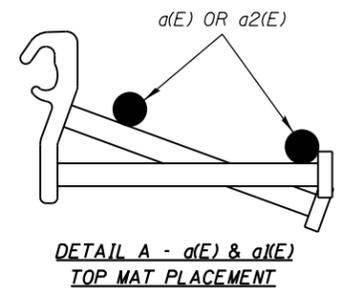
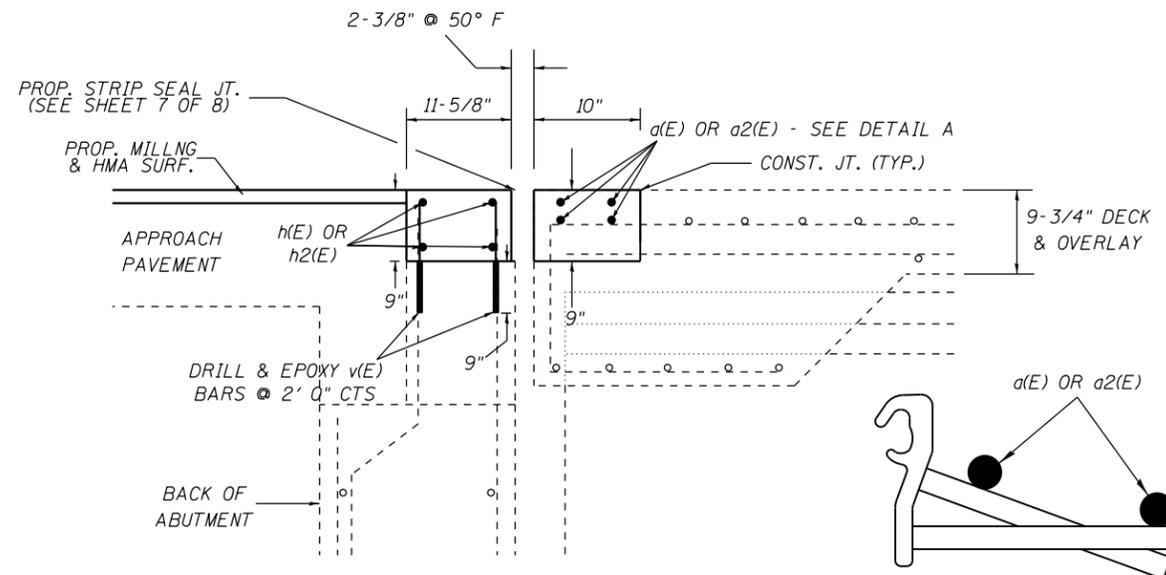
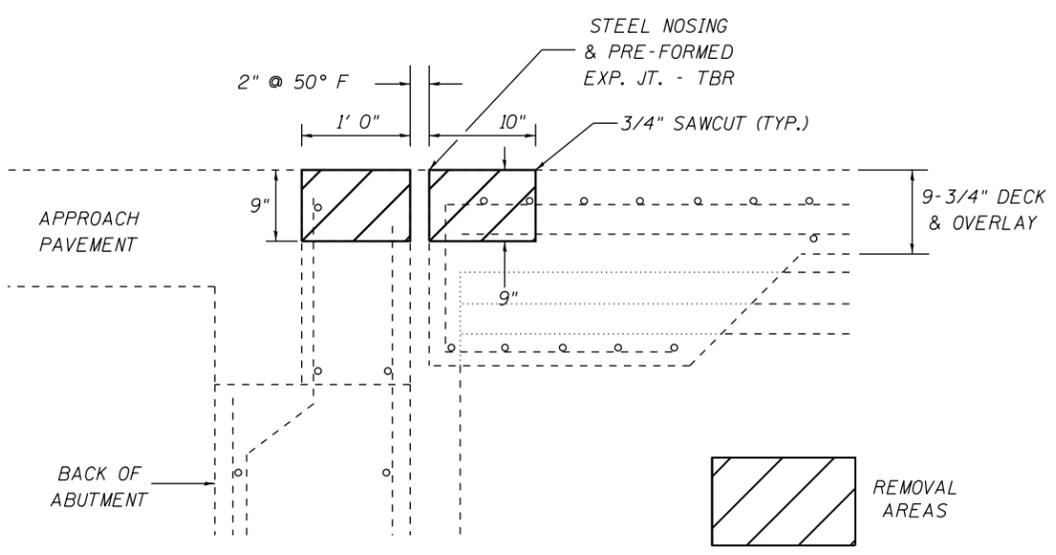
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	11
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



PARAPET REMOVAL CROSS SECTION

NOTES:

1. REMOVAL OF EXISTING EXPANSION JOINT SHALL BE INCLUDED IN THE COST OF CONCRETE REMOVAL.
2. A 6" X 6" BLOCKOUT WILL BE PERMITTED IN THE BASE OF THE PARAPET AT THE EXPANSION JOINT IN ORDER TO FACILITATE JOINT SEAL INSTALLATION.
3. THE CONTRACTOR SHALL USE EXTREME CARE DURING CONCRETE REMOVAL SO AS NOT TO DAMAGE THE PPC I-BEAMS.
4. IN PARAPET REMOVAL AREAS, EXISTING REINFORCING SHALL REMAIN AND BE RE-INCORPORATED INTO THE NEW PARAPETS.



BILL OF MATERIAL - WEST JOINT

BAR	#	SIZE	LENGTH	SHAPE
a(E)	4	#5	21' 0"	—
a2(E)	4	#5	21' 7"	—
h(E)	4	#6	21' 0"	—
h2(E)	4	#6	21' 7"	—
v(E)	44	#5	1' 4"	—

REINFORCEMENT BARS (EPOXY COATED)	POUND	310
CONC. SUPERSTRUCTURE	CU YD	2.6
CONC. REMOVAL	CU YD	2.6

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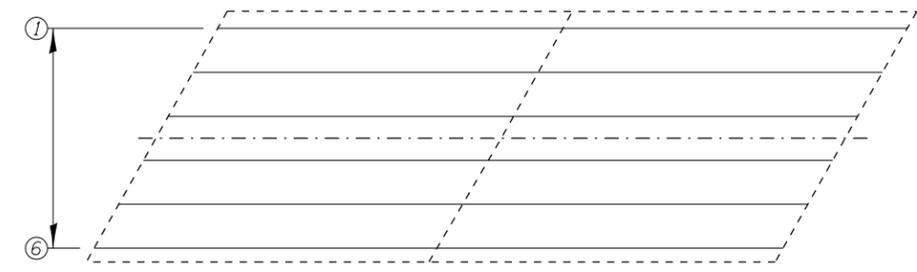
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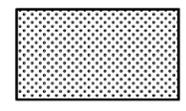
JOINT DETAILS - EAST ABUTMENT
SN 001-0054

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	12
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



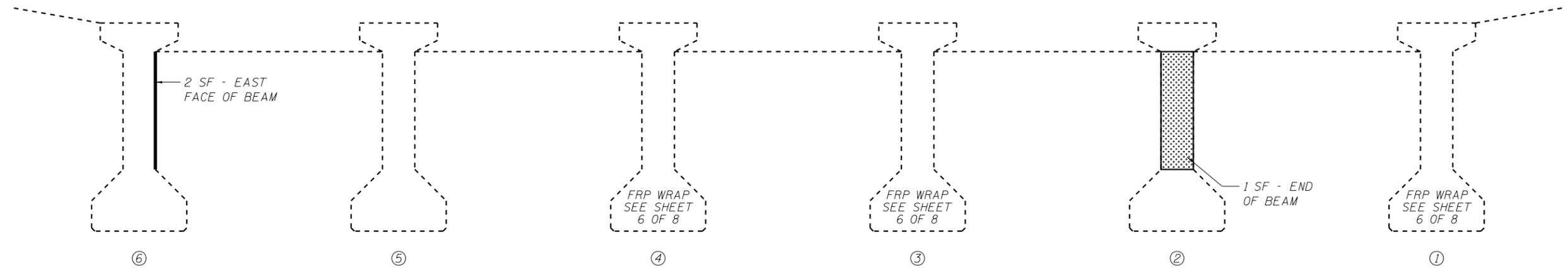
BEAM PLAN



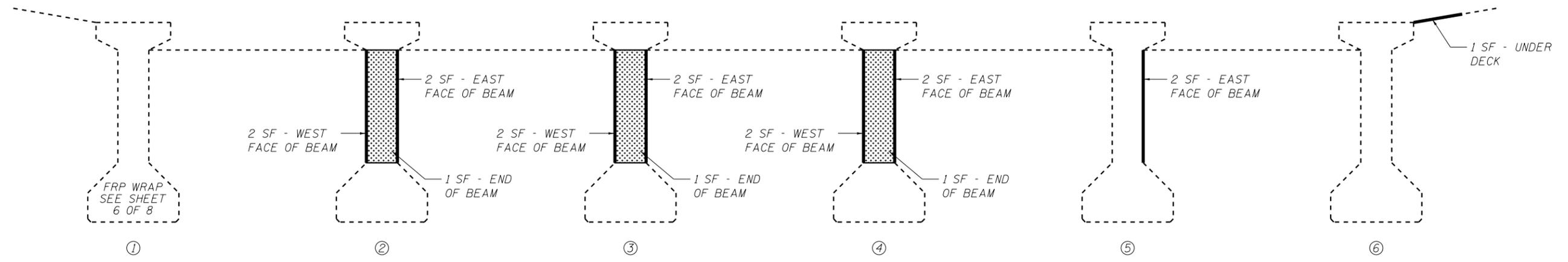
CLEANING AND PAINTING EXPOSED REBAR AREAS

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Cleaning and Painting Exposed Rebar	Sq. Ft.	23



EAST ABUTMENT BEAM END CROSS SECTIONS - LOOKING WEST



WEST ABUTMENT BEAM END CROSS SECTIONS - LOOKING EAST

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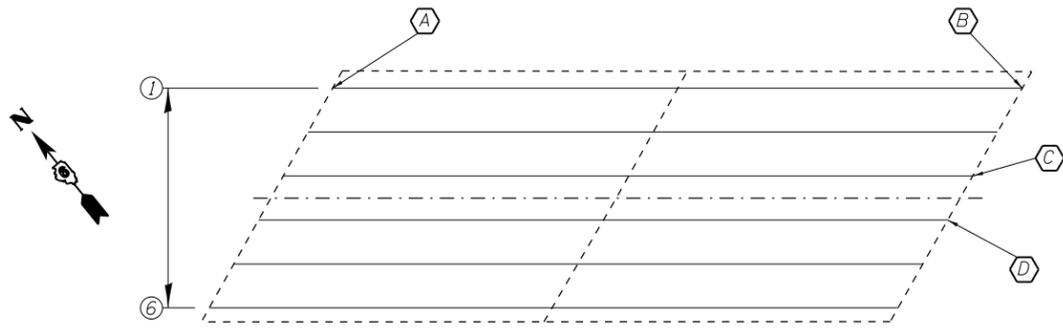
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

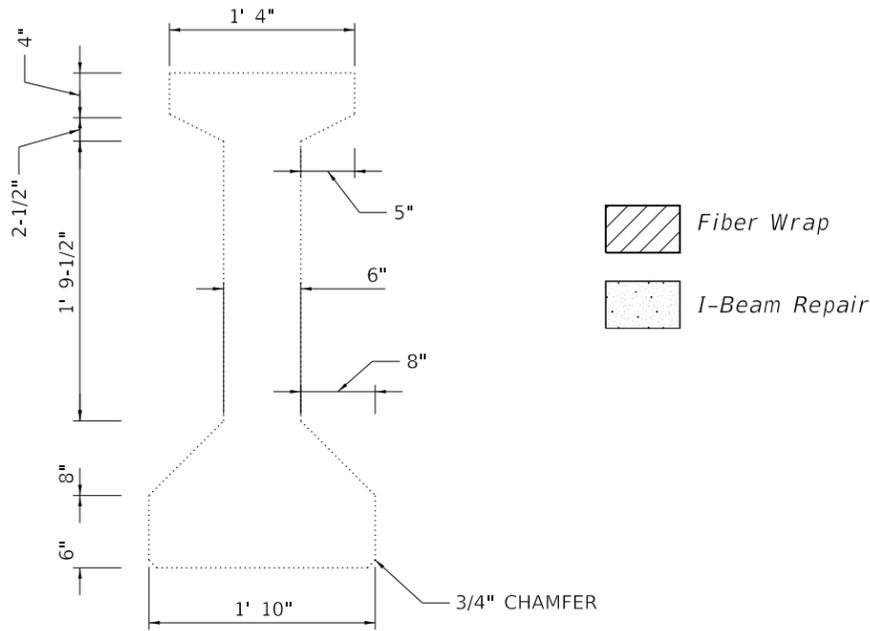
REBAR CLEANING & PAINTING DETAIL
SN 001-0054

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.S. RTE. 1597	SECTION (12) BJR, BRR	COUNTY ADAMS	TOTAL SHEETS 16	SHEET NO. 13
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				



BEAM PLAN



TYPICAL BEAM END CROSS SECTION

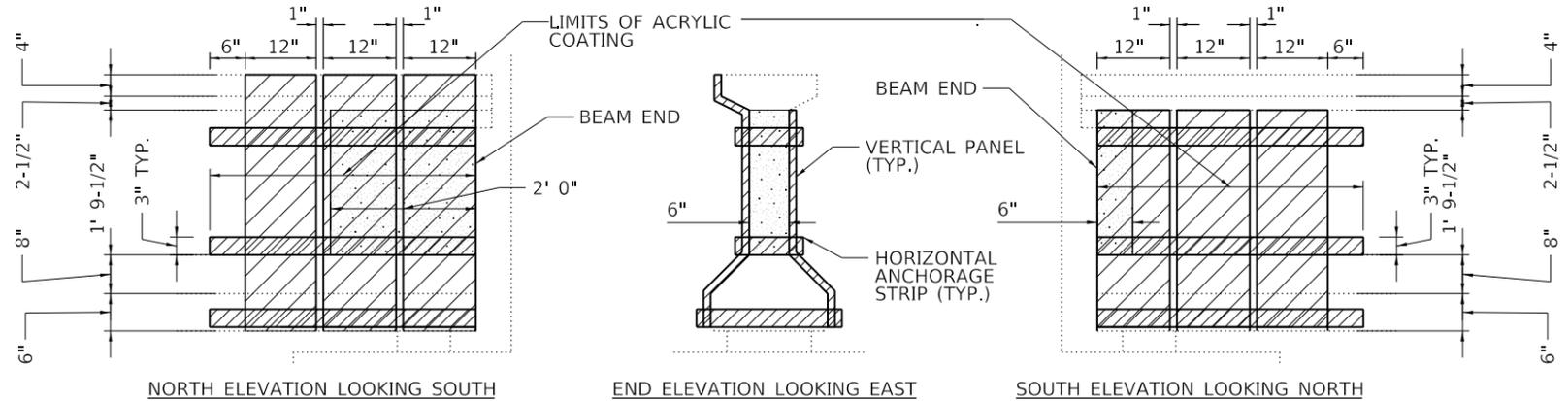
Notes:
 Acrylic coating shall be placed over fiber wrap repairs.
 See Special Provisions for "Fiber Wrap for PCC I-Beam Repairs."
 See Special Provisions for "Precast Prestressed Concrete I-Beam Repairs."

REPAIR	FIBER WRAP (SF)	ACRYLIC COATING (SY)	I-BEAM REPAIR (SF)
A	28.0	3.2	5.4
B	28.0	3.2	6.3
C	25.7	2.8	5.4
D	17.6	2.1	2.7
TOTALS	99.3	11.3	19.8

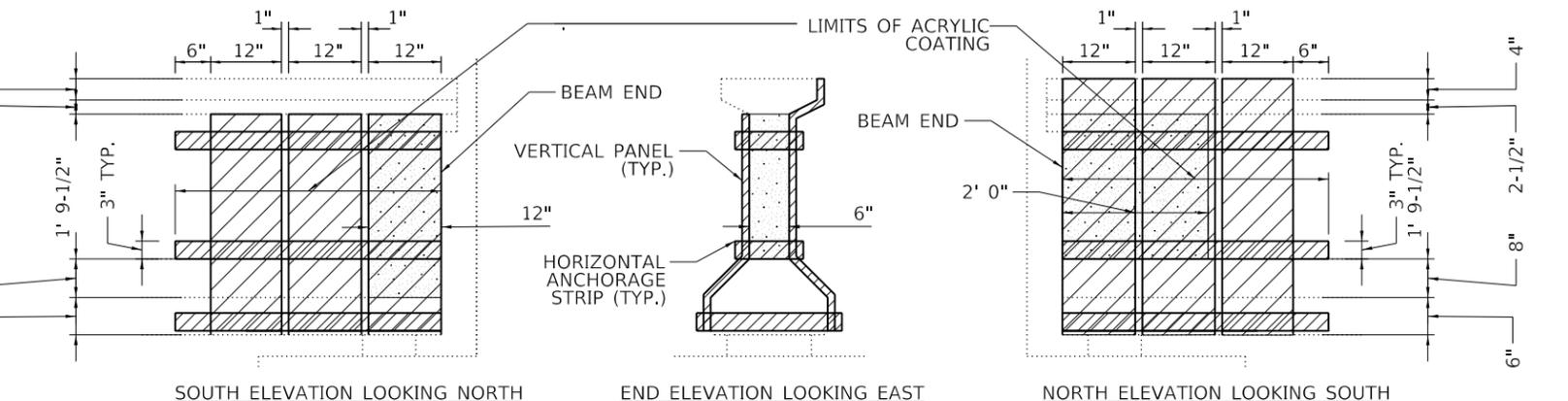
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Fiber Wrap	Sq. Ft.	99.3
Acrylic Coating	Sq. Yd.	11.3
Precast Prestressed Concrete I-Beam repair	Sq. Ft.	19.8

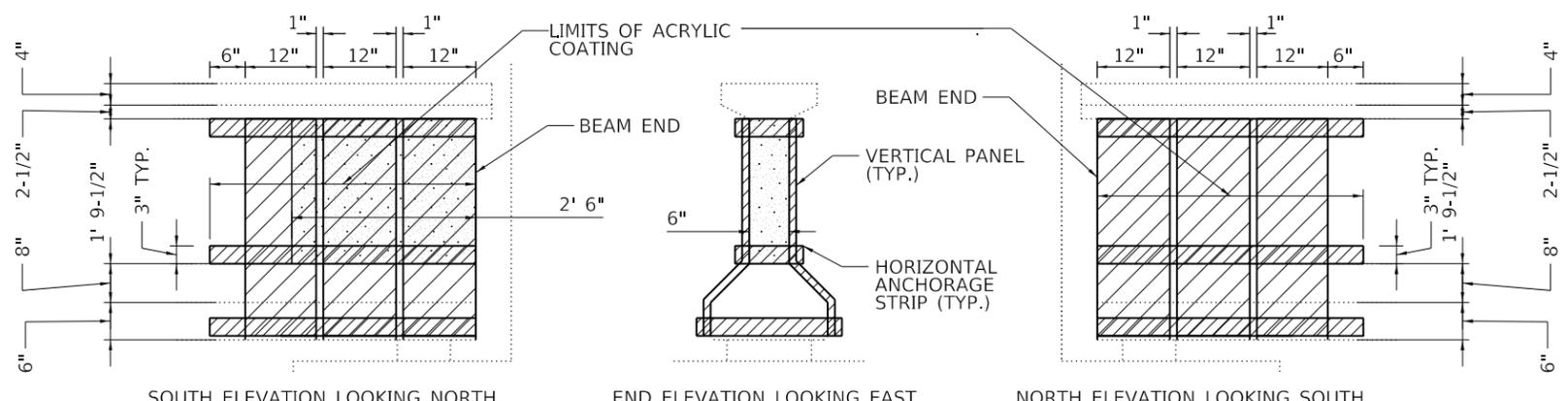
LOACTION "A"



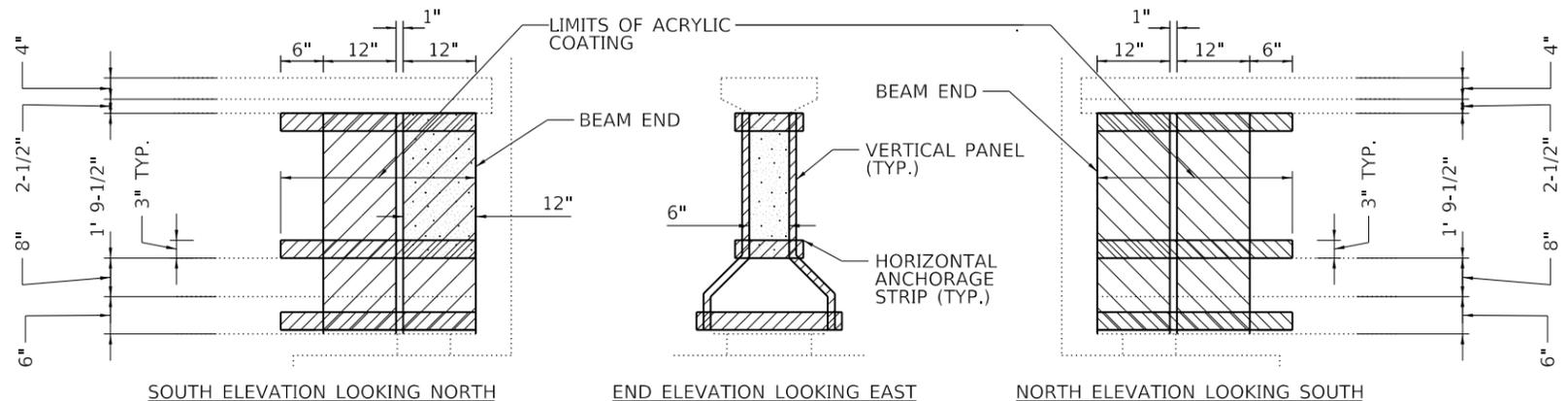
LOACTION "B"



LOACTION "C"



LOACTION "D"



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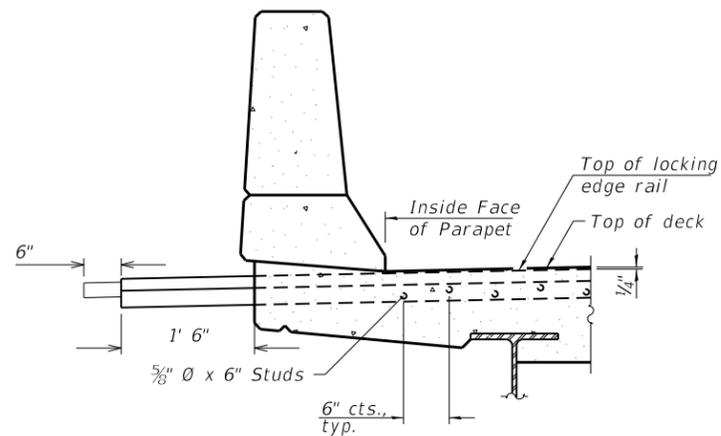
BEAM END FRP REPAIR DETAILS
 SN 001-0054

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	14
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

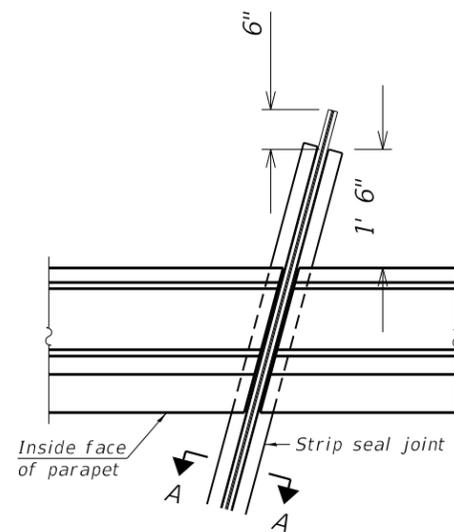
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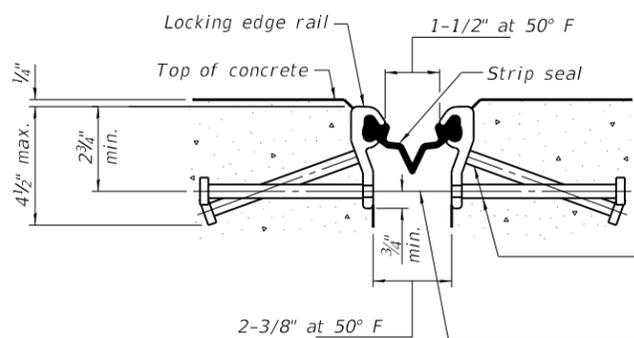
ELEVATION AT PARAPET

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



PLAN AT PARAPET

(Skews < 30°)



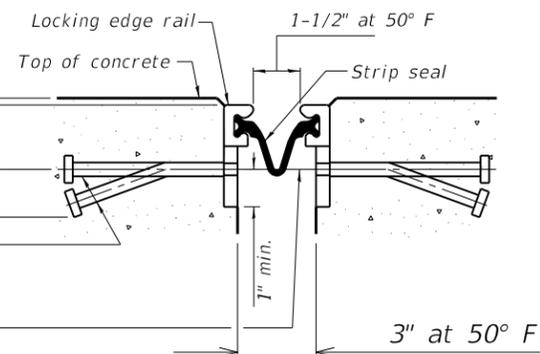
SHOWING ROLLED RAIL JOINT

* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

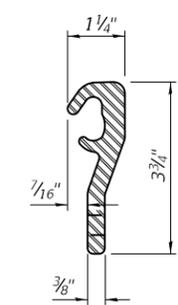
3/8" φ threaded rods in 7/16" φ holes at ±4"-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

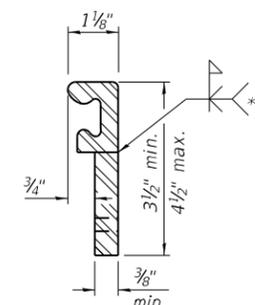
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



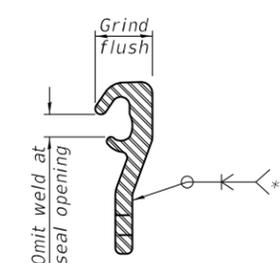
SHOWING WELDED RAIL JOINT



ROLLED (EXTRUDED) RAIL



WELDED RAIL



LOCKING EDGE RAIL SPLICE

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

LOCKING EDGE RAILS

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	93

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EJ-SS (MODIFIED) 8-11-17

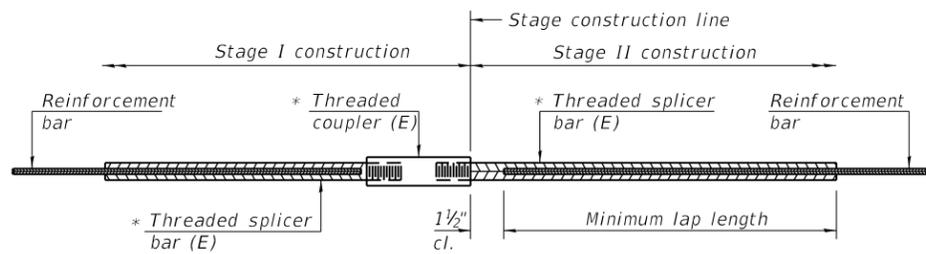
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	DATE -	REVISED -

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**PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 001-0054**

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	55
CONTRACT NO. 72L47				
ILLINOIS FED. AID PROJECT				

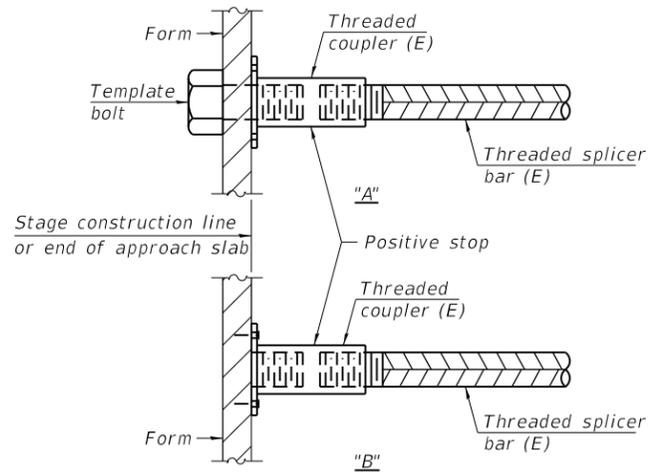


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Abuts. (deck side)	#5	8	3' 6"
Abuts. (appr. side)	#6	8	4' 0"

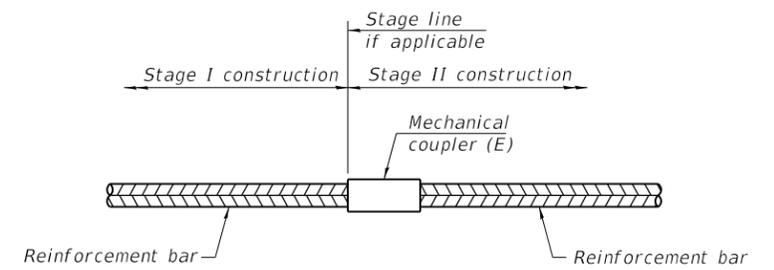


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

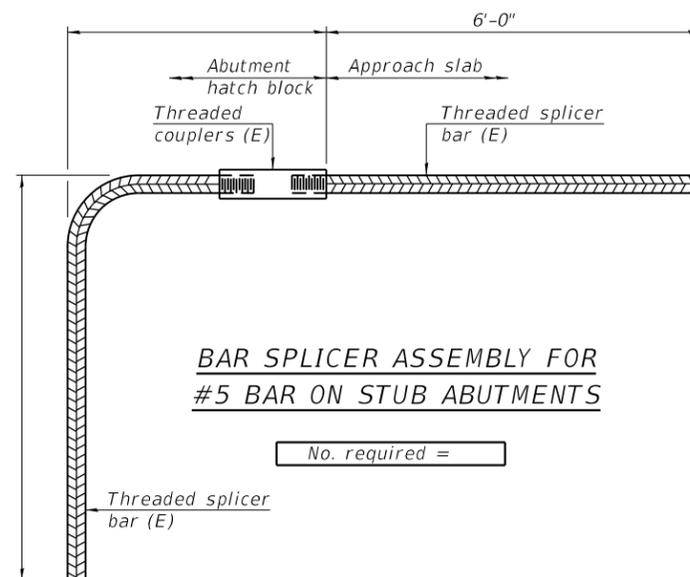
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

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

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

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

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

BSD-1

2-17-2017

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PLOT DATE = 10/10/2019	DATE -	REVISED -

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**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 001-0054**

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1597	(12) BJR, BRR	ADAMS	16	16
CONTRACT NO. 72L47			ILLINOIS FED. AID PROJECT	