

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	1
		ILLINOIS	CONTRACT NO. 72M91	

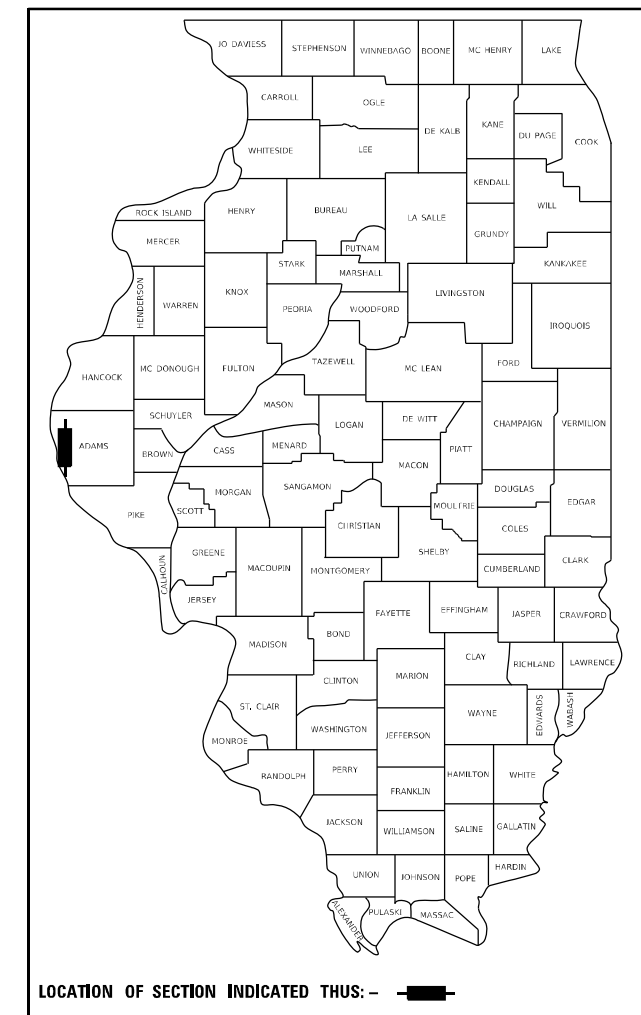
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED CONTRACT MAINTENANCE

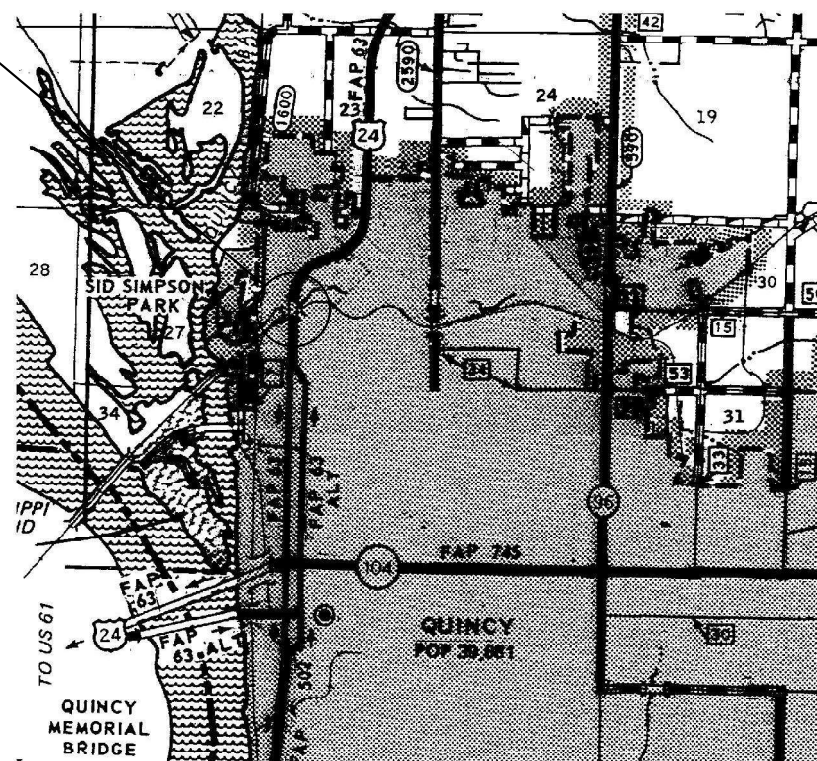
FAP ROUTE 63 (US 24)
SECTION (78-3VHB) BDR, BJR, BRR
PROJECT (STATE)
BRIDGE REPAIRS
ADAMS COUNTY

C-96-113-21

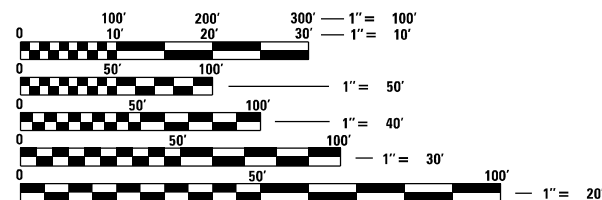
D-96-042-21



PROJECT LOCATION
SN 001-0011
US 24 OVER CEDAR CR & BNRR
1.5 MI N OF IL 104



AADT 5950
11% TRUCKS



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 = 394 FT. = 0.07 MILE
NET LENGTH = 394 FT. = 0.07 MILE

CONTRACT NO. 72M91

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 10 2021

Jeff P. Myer
REGIONAL ENGINEER

June 25, 2021
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

June 25, 2021
James J. ...
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
- 3 STAGING PLAN
- 4-5 TRAFFIC CONTROL PLAN
- 6-12 SN 001-0011 BRIDGE PLANS

GENERAL NOTES:


THE EDGE OF THE DEPLOYED MESSAGE BOARDS SHALL BE A MINIMUM OF 6' OUTSIDE THE EDGE OF PAVEMENT.

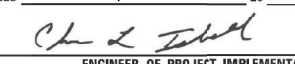
STANDARDS

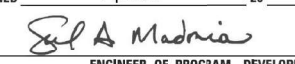
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- 001006
- 701001-02
- 701006-05
- 701201-05
- 701301-04
- 701321-18
- 701801-06
- 701901-08
- 704001-08
- 780001-05
- 782006-01

PAVEMENT MARKING REMOVAL SCHEDULE					
STA	TO	STA	LOC.	LINE TYPE	PAVT MARK REM (SQ FT)
STAGE I					
193+70	-	196+60	℄	DOUBLE SOLID	121
195+60	-	203+10	LT	SOLID	313
202+10	-	205+00	℄	DOUBLE SOLID	121
STAGE II					
195+60	-	203+10	RT	SOLID	313
TOTAL					868

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

EXAMINED April 16 2021

 ENGINEER OF OPERATIONS

EXAMINED April 28 2021

 ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED April 27 2021

 ENGINEER OF PROGRAM DEVELOPMENT

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			SCALE:	SHEET OF SHEETS	STA. TO STA.
					ILLINOIS FED. AID PROJECT

0-02176-6010
SN 001-0011
100% STATE

0-02176-6010
SN 001-0011
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/URBAN
				ADAMS
50300300	PROTECTIVE COAT	SQ YD	126	126
52000015	PREFORMED JOINT SEAL 1-1/2"	FOOT	74	74
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
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	130	130
70400100	TEMPORARY CONCRETE BARRIER	FOOT	750	750
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	750	750
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	4600	4600
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	868	868

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE/URBAN
				ADAMS
X7010236	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801, SPECIAL	L SUM	1	1
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	6	6
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	546	546
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5	5
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	115	115
Z0032500	JOINT SEALING (PATCHES)	FOOT	1112	1112
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	12	12

* SPECIALTY ITEM

REV. - MS

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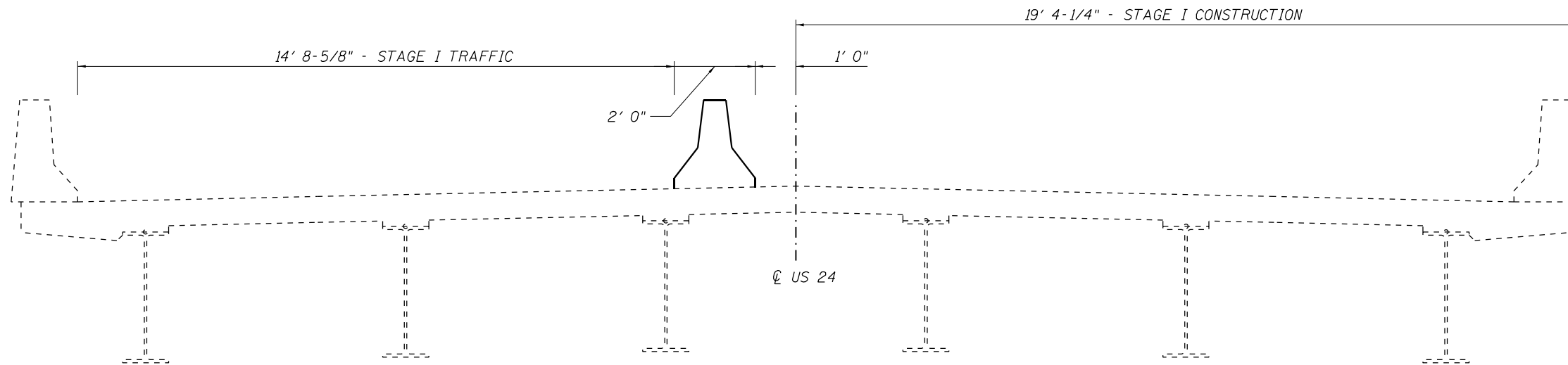
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

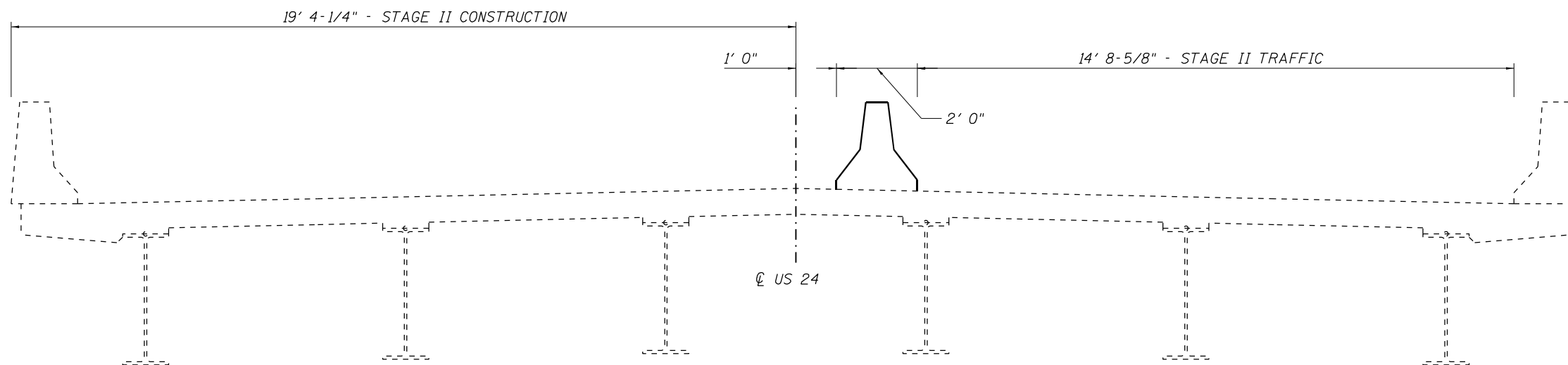
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	3
			CONTRACT NO. 72M91	
ILLINOIS FED. AID PROJECT				



STAGE I TRAFFIC, LOOKING NORTH



STAGE II TRAFFIC, LOOKING NORTH

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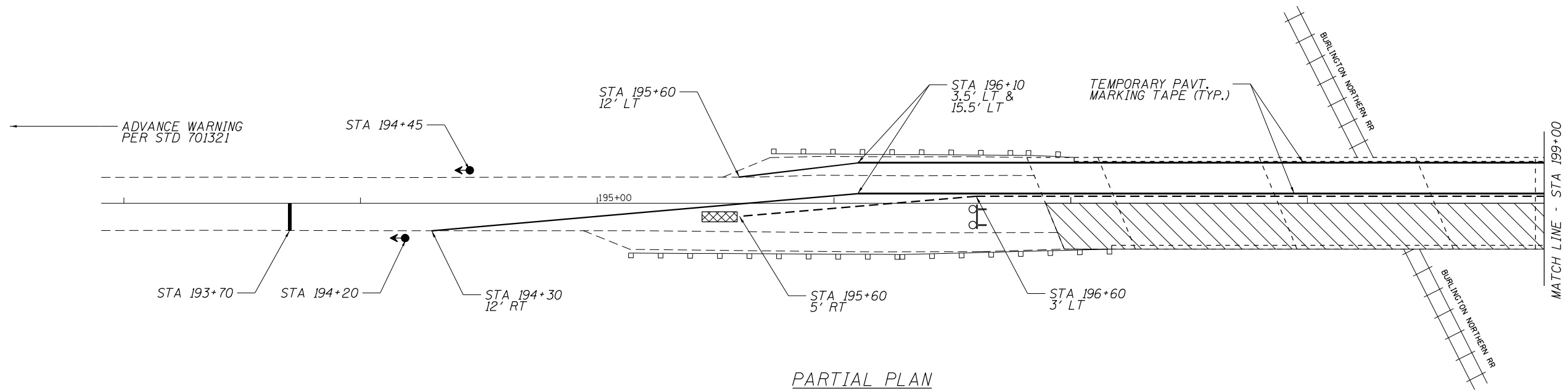
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

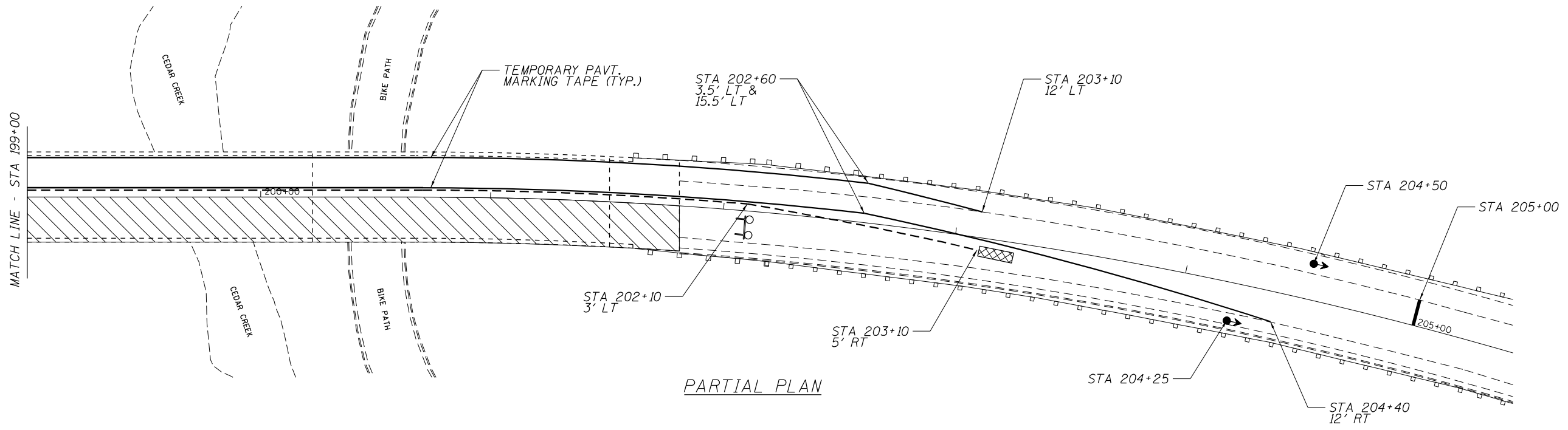
TRAFFIC STAGING PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				

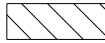
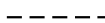





PARTIAL PLAN



PARTIAL 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, TEMPORARY RUMBLE STRIPS, 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. BARRIER WALL TAPERS SHALL BE 12:1 UNLESS OTHERWISE SPECIFIED.

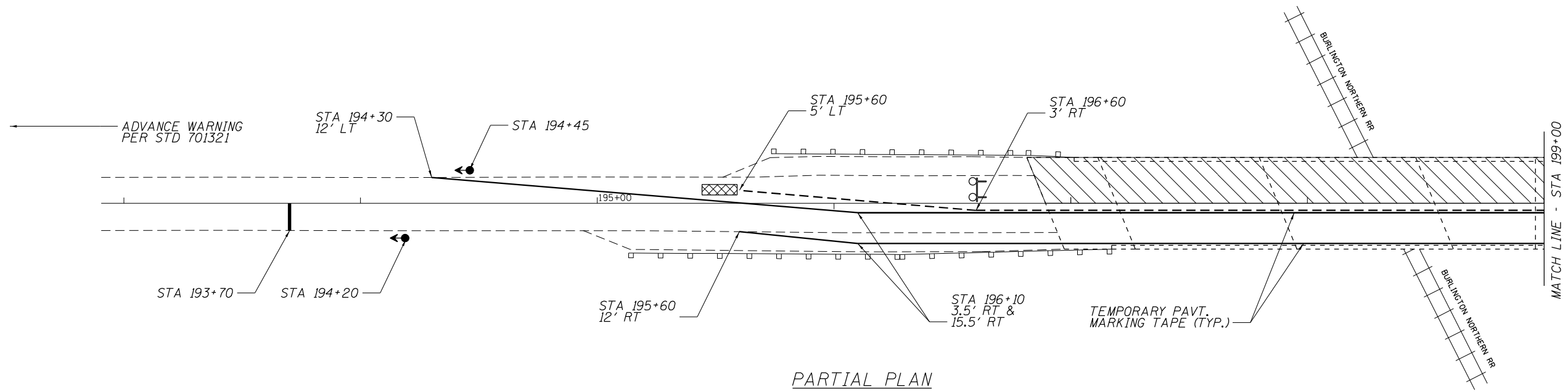
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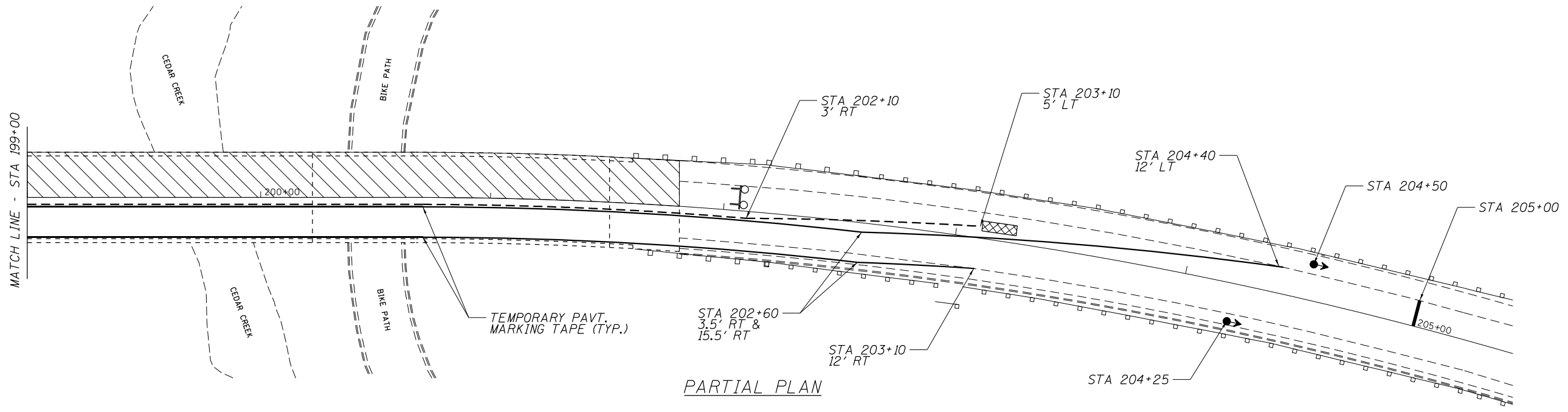
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE I TRAFFIC CONTROL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	5
CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				

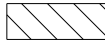
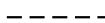





PARTIAL PLAN



PARTIAL 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, TEMPORARY RUMBLE STRIPS, 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. BARRIER WALL TAPERS SHALL BE 12:1 UNLESS OTHERWISE SPECIFIED.

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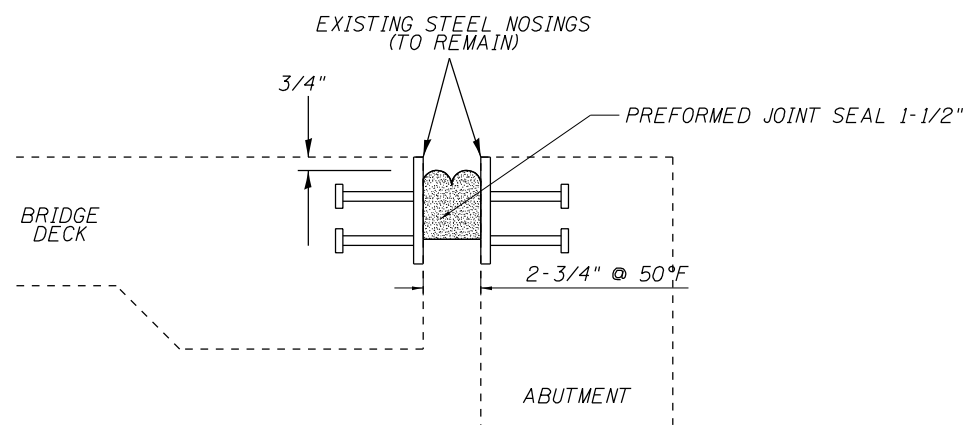
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE II TRAFFIC CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

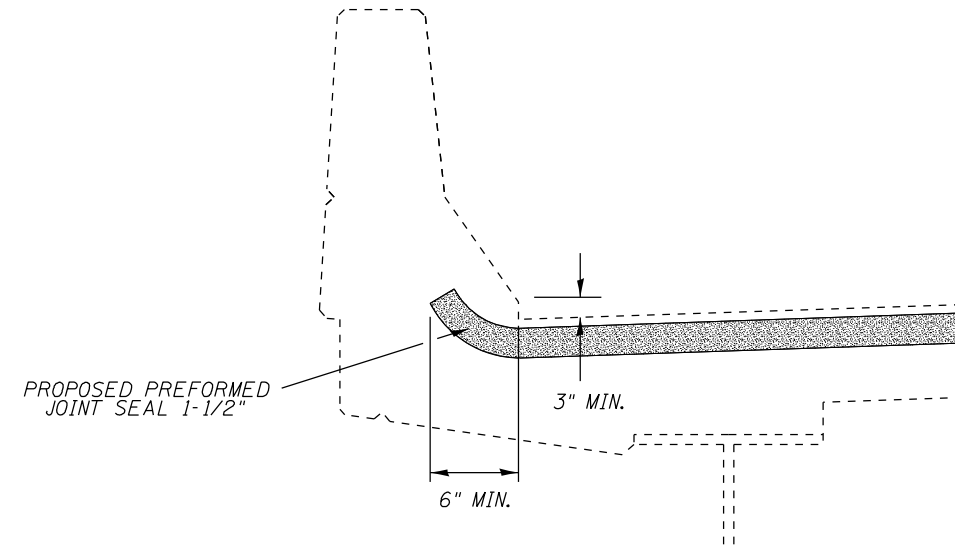
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63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	6
CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				



SECTION A-A:
PREFORMED JOINT SEAL DETAIL

NOTE:

COST OF REMOVING EXISTING JOINT SEALS TO BE INCLUDED IN THE BID PRICE FOR PREFORMED JOINT SEAL 1-1/2".



TYPICAL PARAPET CROSS SECTION:
JOINT SEALER END TREATMENT

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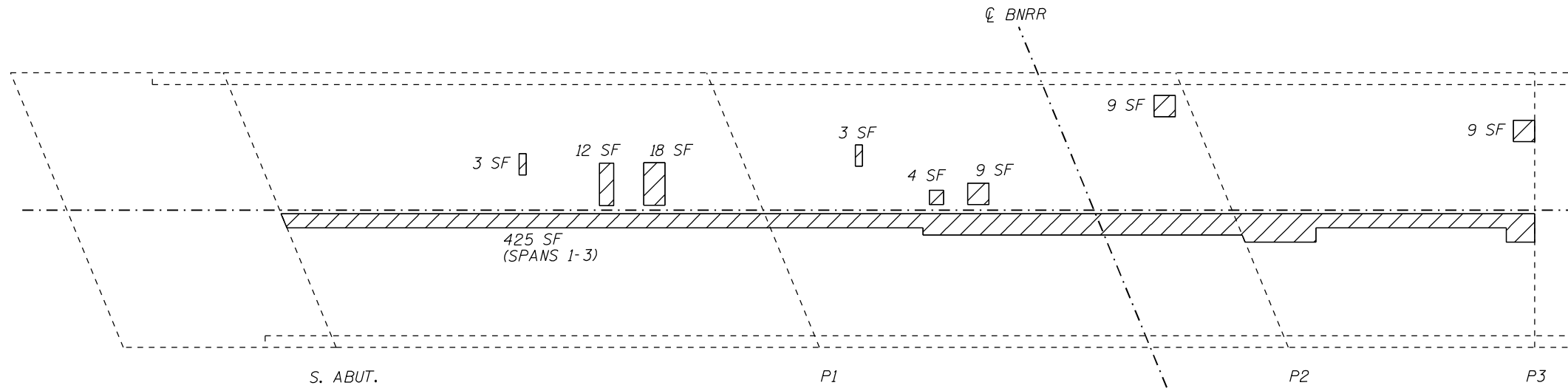
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

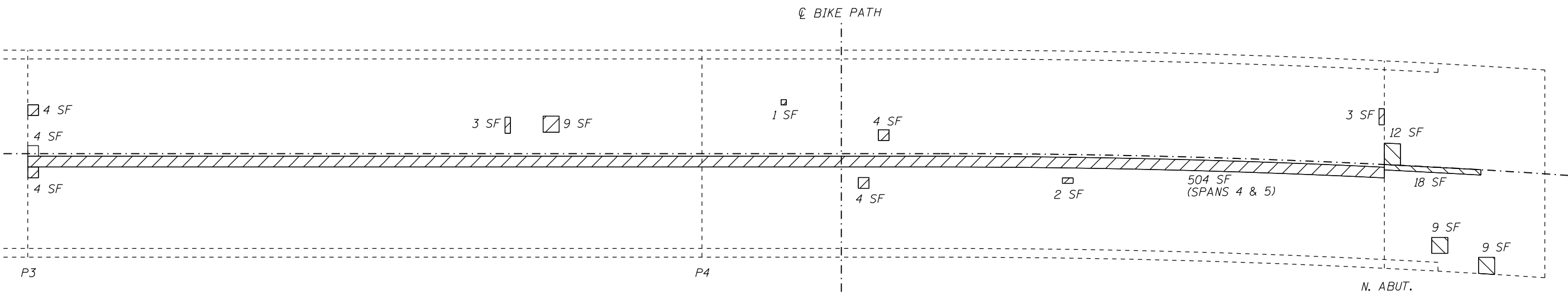
JOINT REPAIR DETAILS
SN 001-0011

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

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63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	8
			CONTRACT NO. 72M91	
		ILLINOIS	FED. AID PROJECT	



PARTIAL PLAN



PARTIAL PLAN

- APPROACH SLAB REPAIR (PARTIAL DEPTH)
- DECK SLAB REPAIR (PARTIAL)

NOTES:
 IDENTIFIED PATCHING LOCATIONS ARE ESTIMATED FROM A DECK SURVEY PERFORMED ON 11/16/2020. THE PATCHING SURVEY IS INCLUDED FOR INFORMATION ONLY. THE ENGINEER SHALL LAY OUT ACTUAL PATCH LOCATIONS IN THE FIELD.
 THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.
 JOINT SEALING (PATCHES) SHALL BE APPLIED IN LOCATIONS AS DIRECTED IN THE SPECIAL PROVISIONS AND ALONG ANY LENGTH OF THE EXISTING STAGE CONSTRUCTION LINE THAT IS NOT PATCHED.

SLAB REPAIR BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Approach Slab Repair (Partial Depth)	Sq. Yd.	6
Deck Slab Repair (Partial)	Sq. Yd.	115
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5
Joint Sealing (Patches)	Foot	1112

* No full depth repairs anticipated. Nominal quantity included.

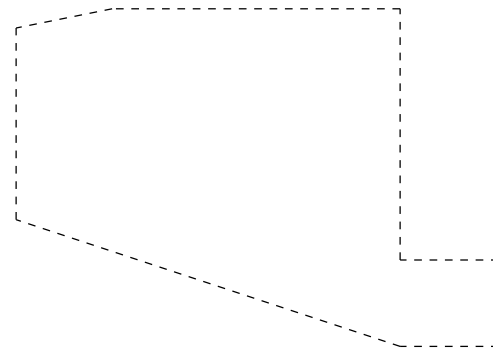
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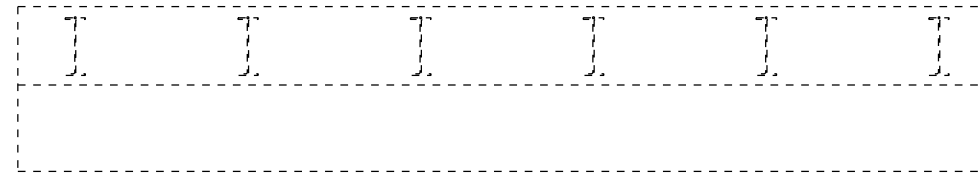
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SLAB REPAIR DETAILS SN 001-0011			
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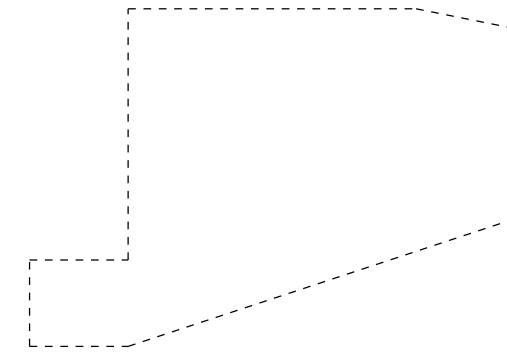
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63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	9
CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				



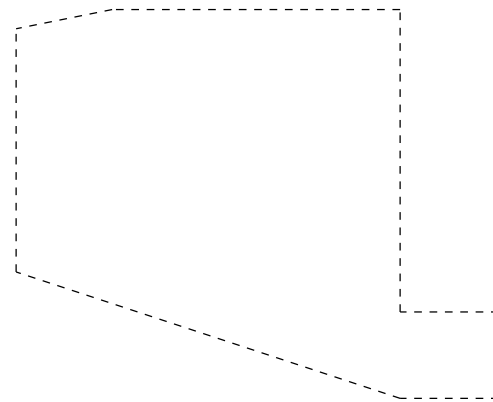
SOUTH ABUTMENT - EAST WING



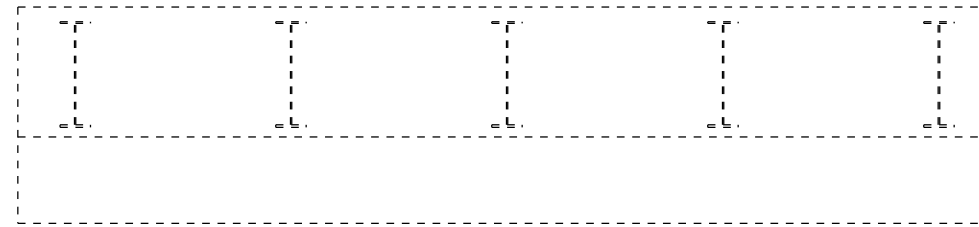
SOUTH ABUTMENT - LOOKING SOUTH



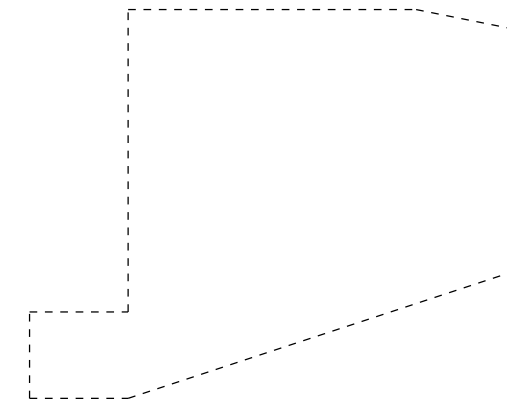
SOUTH ABUTMENT - WEST WING



NORTH ABUTMENT - WEST WING



NORTH ABUTMENT - LOOKING NORTH



NORTH ABUTMENT - EAST WING

SUBSTRUCTURE REPAIR BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	546
Temporary Shoring & Cribbing	Each	12



STRUCTURAL REPAIR OF CONCRETE

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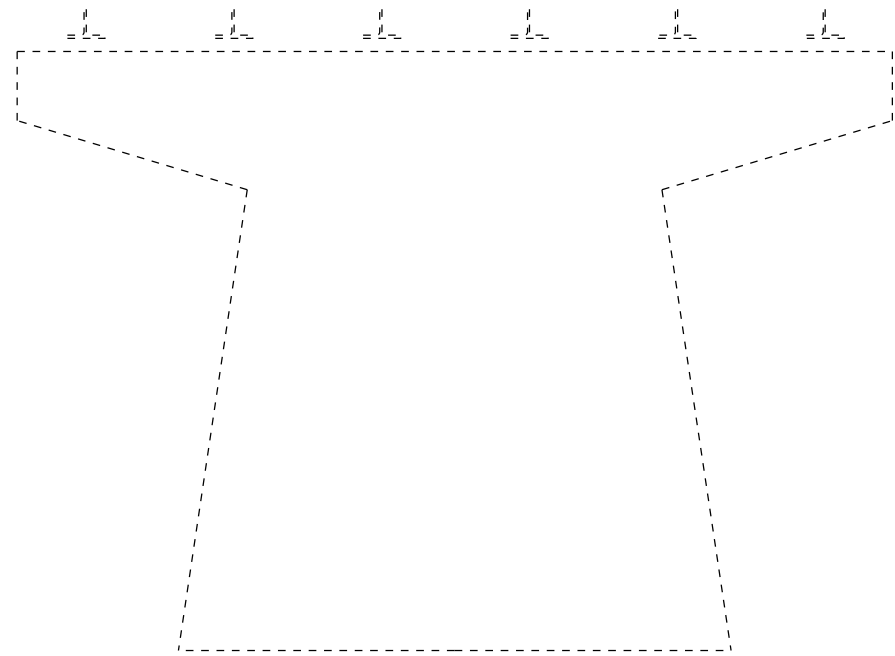
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

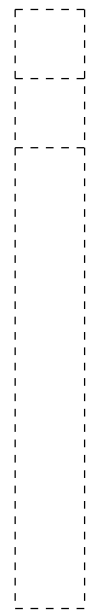
**SUBSTRUCTURE REPAIR DETAILS
SN 001-0011**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

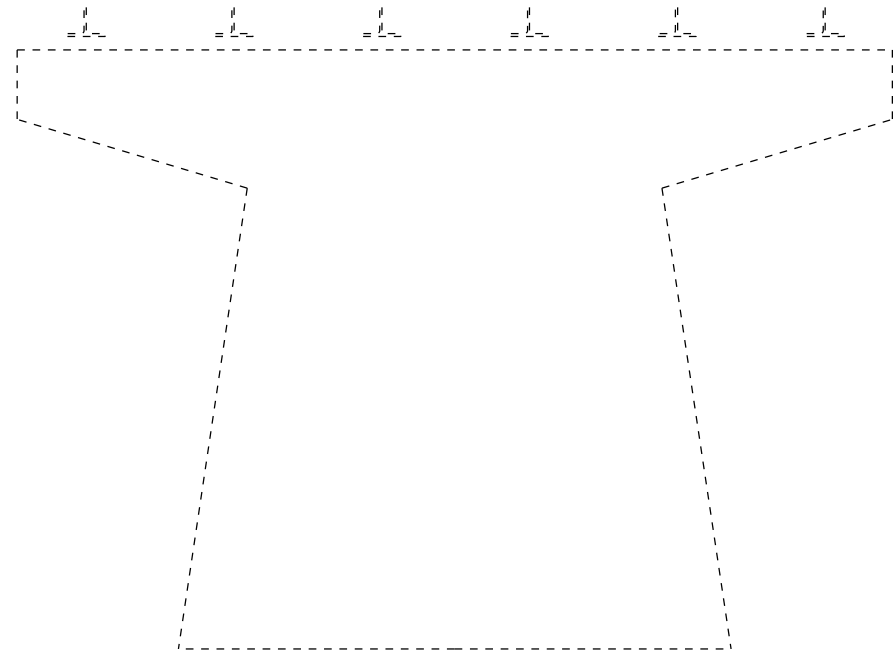
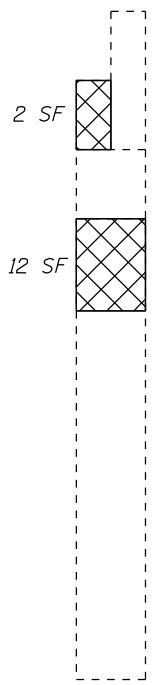
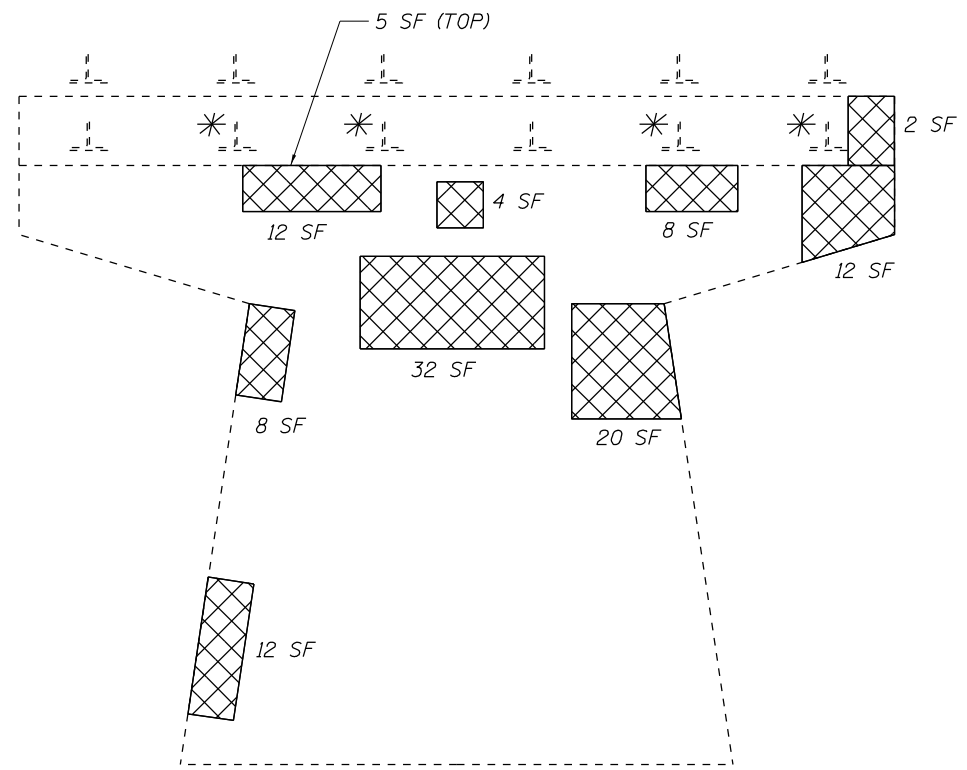
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63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M91	



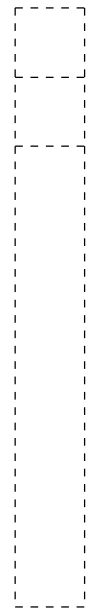
PIER 1 - SOUTH FACE



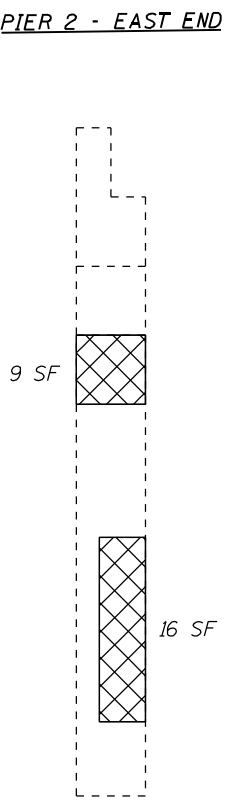
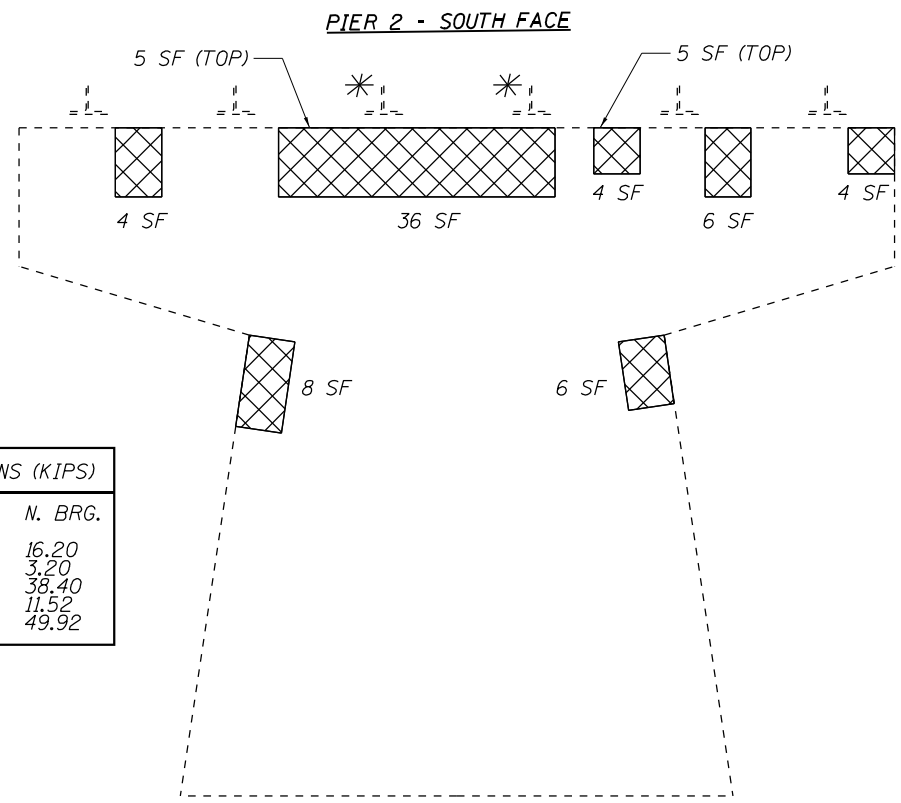
PIER 1 - EAST END



PIER 1 - NORTH FACE



PIER 1 - WEST END



PIER 2 REACTIONS (KIPS)		
	S. BRG.	N. BRG.
DL	19.30	16.20
SDL	3.70	3.20
LL	34.70	38.40
IMP	9.09	11.52
TOTAL	43.79	49.92

PIER 2 - SOUTH FACE

PIER 2 - EAST END

PIER 2 - NORTH FACE

PIER 2 - WEST END



STRUCTURAL REPAIR OF CONCRETE

* TEMP. SHORING & CRIBBING

SEE SUBSTRUCTURE REPAIR BILL OF MATERIAL ON SHEET 4 OF 6

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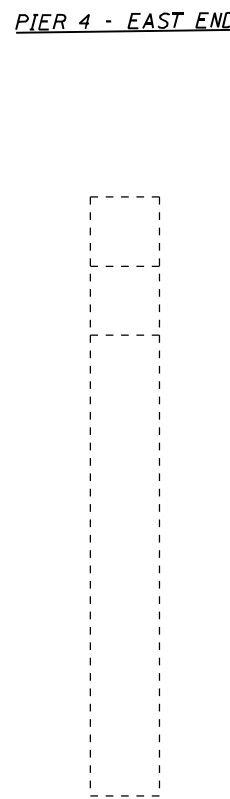
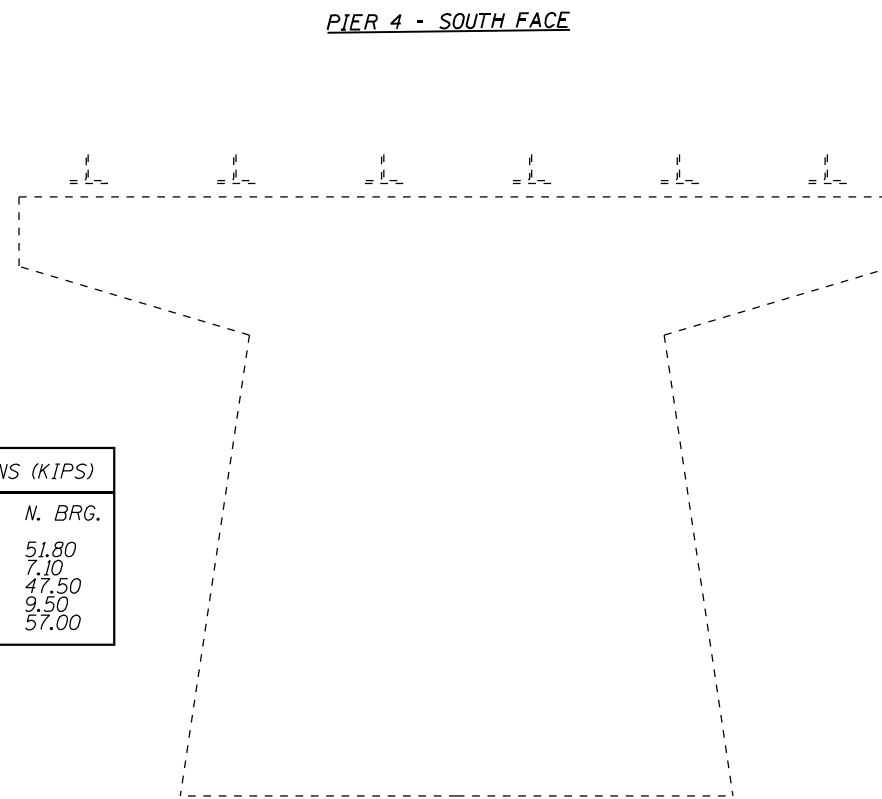
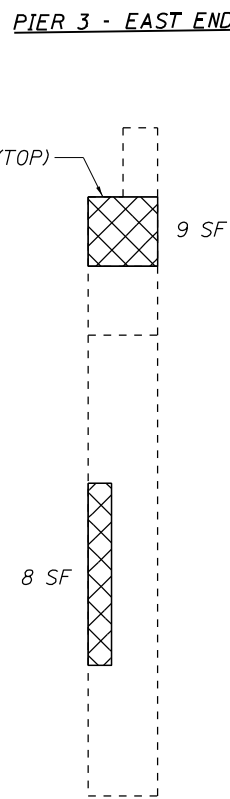
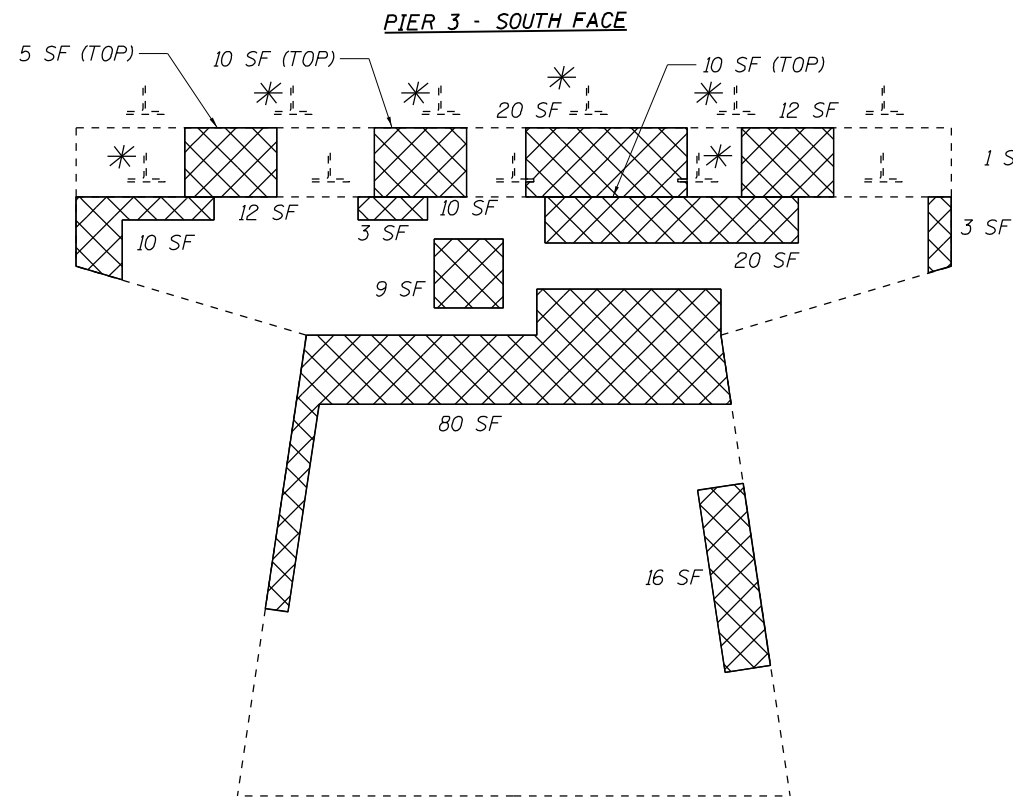
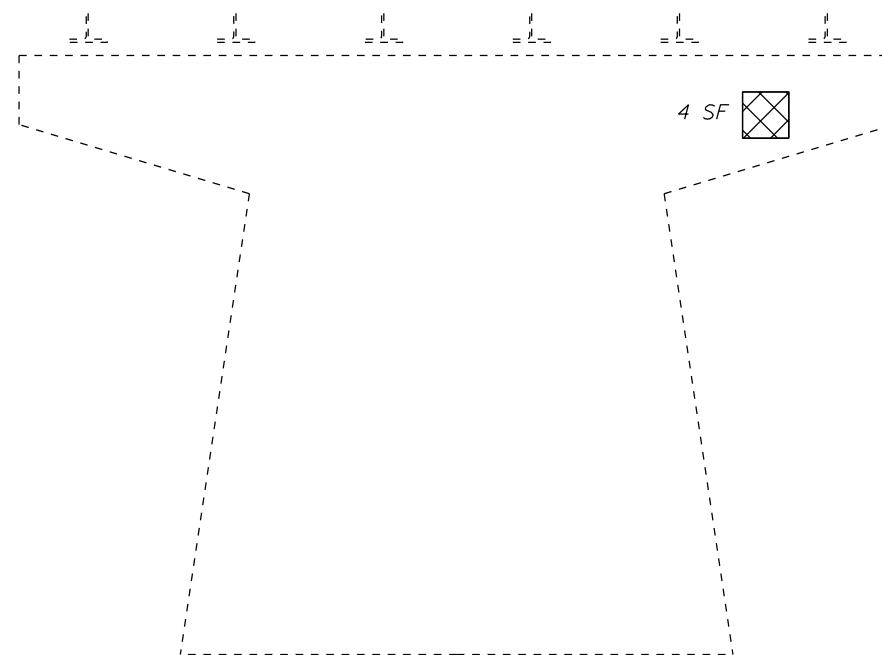
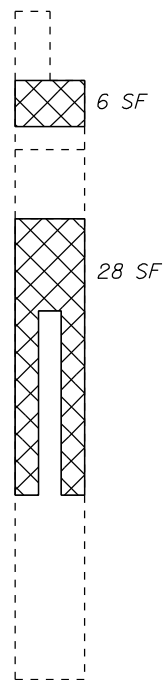
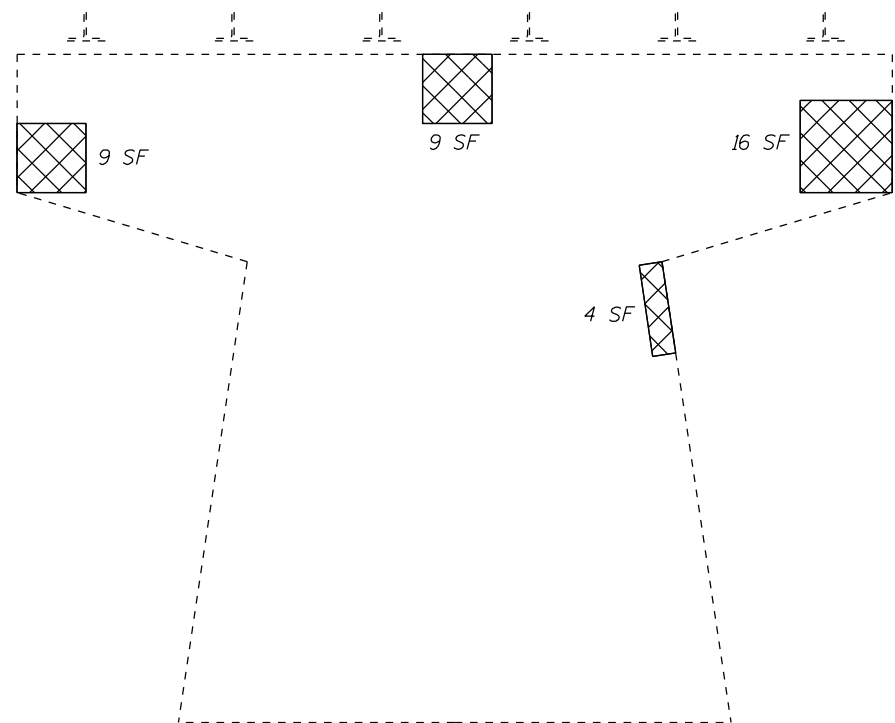
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS
SN 001-0011

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	11
CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				



PIER 3 REACTIONS (KIPS)		
	S. BRG.	N. BRG.
DL	16.20	51.80
SDL	3.20	7.10
LL	38.40	47.50
IMP	11.52	9.50
TOTAL	49.92	57.00

PIER 3 - NORTH FACE

PIER 3 - WEST END

PIER 4 - NORTH FACE

PIER 4 - WEST END



STRUCTURAL REPAIR OF CONCRETE

* TEMP. SHORING & CRIBBING

SEE SUBSTRUCTURE REPAIR BILL OF MATERIAL ON SHEET 4 OF 6

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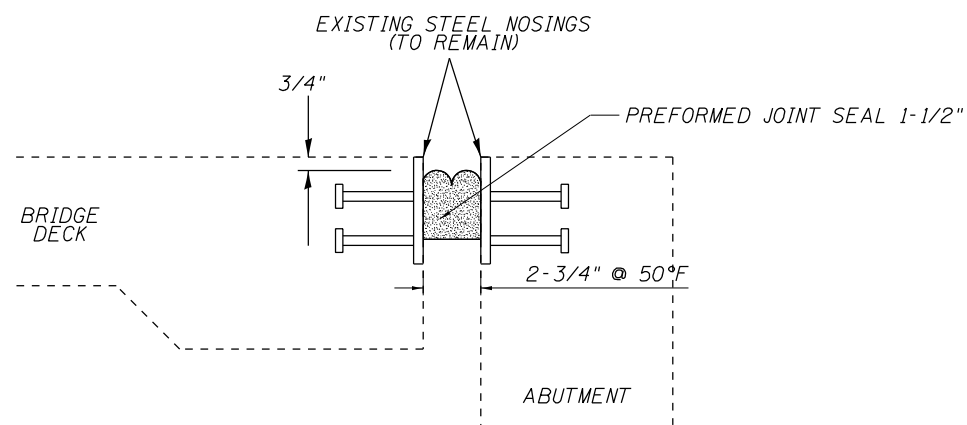
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS
SN 001-0011

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

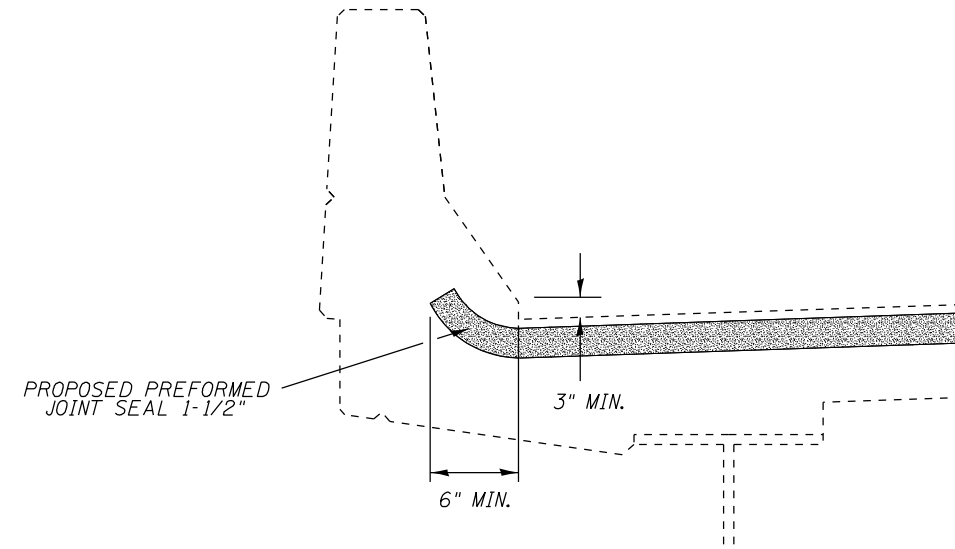
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	12
CONTRACT NO. 72M91			ILLINOIS FED. AID PROJECT	



SECTION A-A:
PREFORMED JOINT SEAL DETAIL

NOTE:

COST OF REMOVING EXISTING JOINT SEALS TO BE INCLUDED IN THE BID PRICE FOR PREFORMED JOINT SEAL 1-1/2".



TYPICAL PARAPET CROSS SECTION:
JOINT SEALER END TREATMENT

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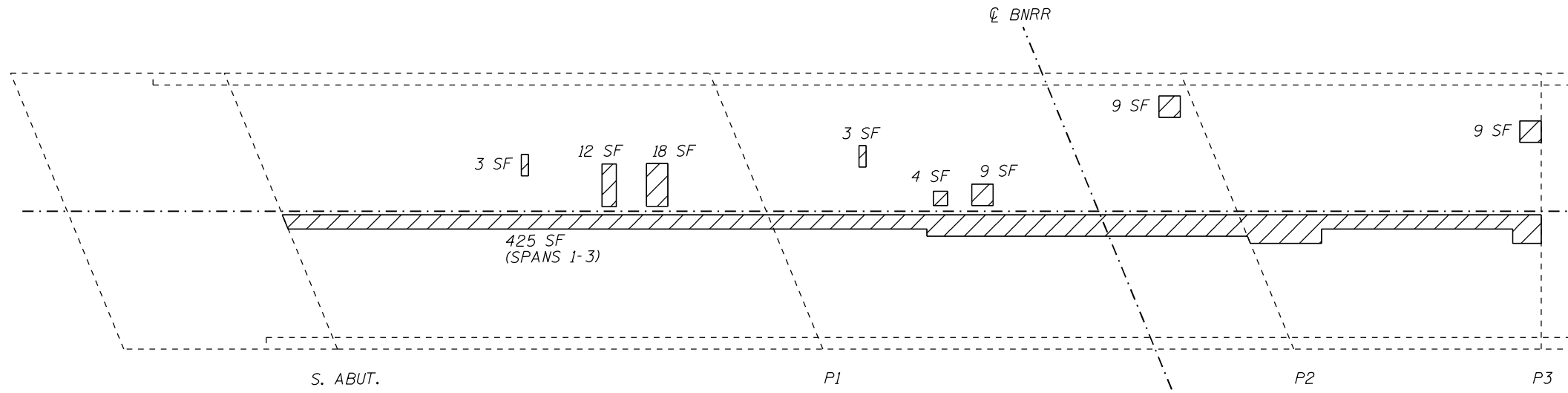
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PLOT DATE = 5/24/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

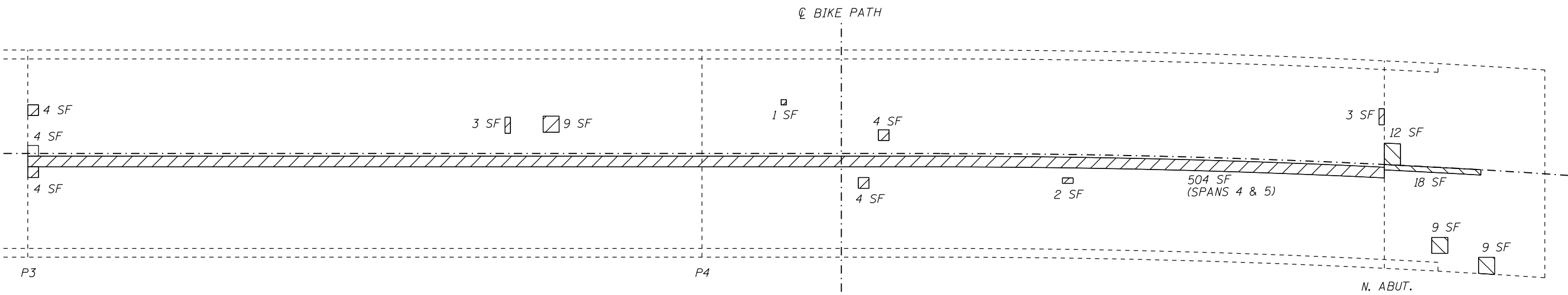
JOINT REPAIR DETAILS
SN 001-0011

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M91	



PARTIAL PLAN



PARTIAL PLAN

- APPROACH SLAB REPAIR (PARTIAL DEPTH)
- DECK SLAB REPAIR (PARTIAL)

NOTES:
 IDENTIFIED PATCHING LOCATIONS ARE ESTIMATED FROM A DECK SURVEY PERFORMED ON 11/16/2020. THE PATCHING SURVEY IS INCLUDED FOR INFORMATION ONLY. THE ENGINEER SHALL LAY OUT ACTUAL PATCH LOCATIONS IN THE FIELD.
 THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.
 JOINT SEALING (PATCHES) SHALL BE APPLIED IN LOCATIONS AS DIRECTED IN THE SPECIAL PROVISIONS AND ALONG ANY LENGTH OF THE EXISTING STAGE CONSTRUCTION LINE THAT IS NOT PATCHED.

SLAB REPAIR BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Approach Slab Repair (Partial Depth)	Sq. Yd.	6
Deck Slab Repair (Partial)	Sq. Yd.	115
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5
Joint Sealing (Patches)	Foot	1112

* No full depth repairs anticipated. Nominal quantity included.

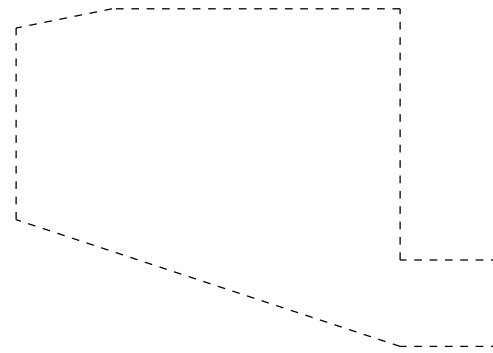
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	DATE -	REVISED -

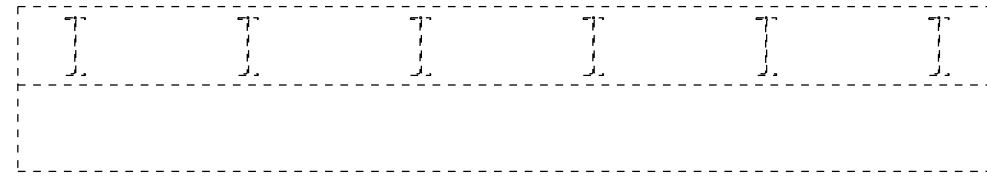
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SLAB REPAIR DETAILS SN 001-0011			
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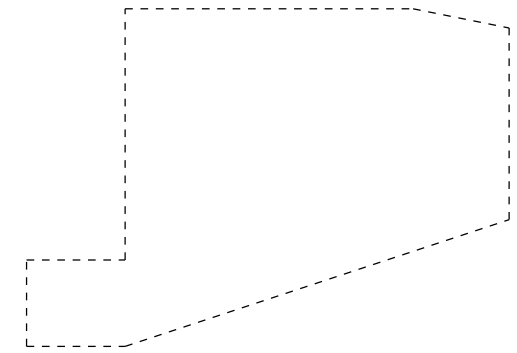
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63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	9
CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				



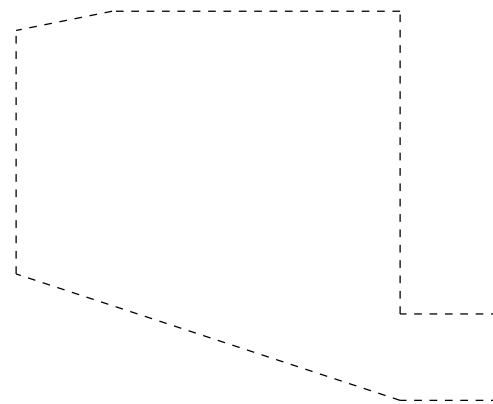
SOUTH ABUTMENT - EAST WING



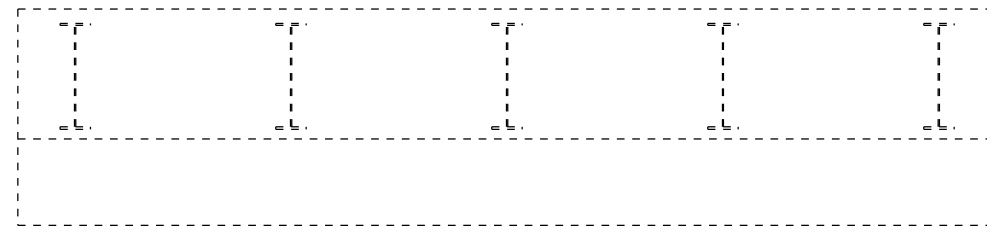
SOUTH ABUTMENT - LOOKING SOUTH



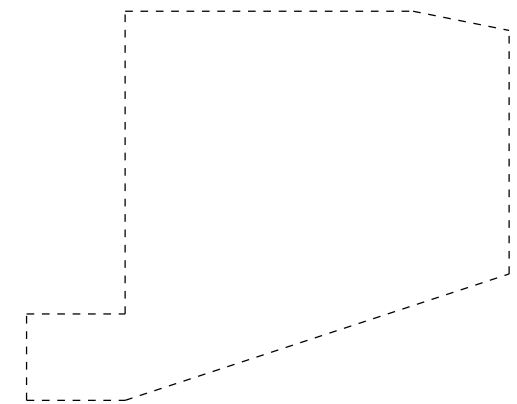
SOUTH ABUTMENT - WEST WING



NORTH ABUTMENT - WEST WING



NORTH ABUTMENT - LOOKING NORTH



NORTH ABUTMENT - EAST WING

SUBSTRUCTURE REPAIR BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	546
Temporary Shoring & Cribbing	Each	12



STRUCTURAL REPAIR OF CONCRETE

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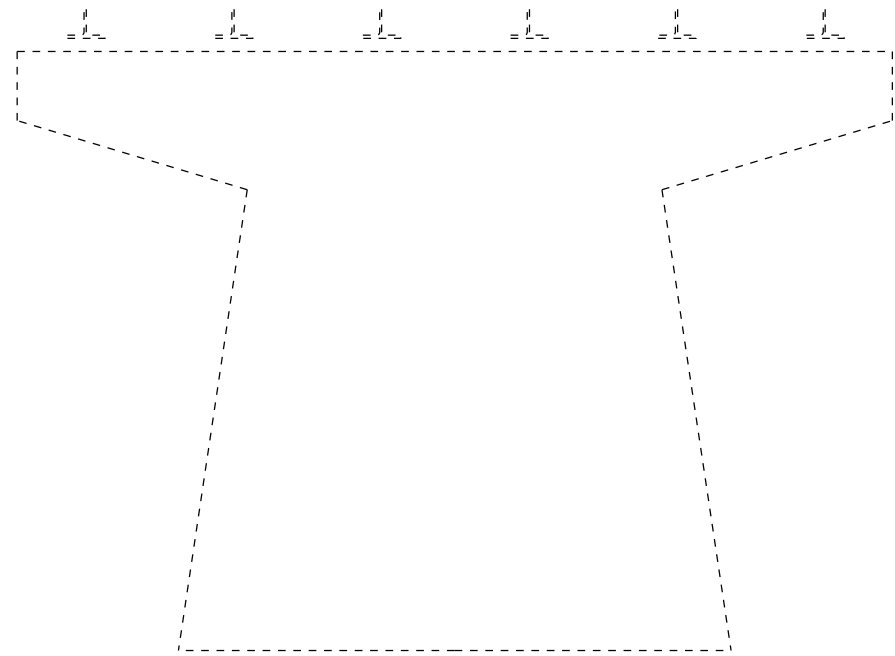
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

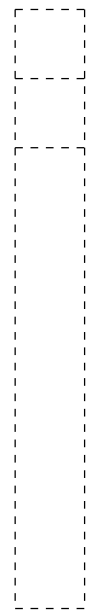
**SUBSTRUCTURE REPAIR DETAILS
SN 001-0011**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

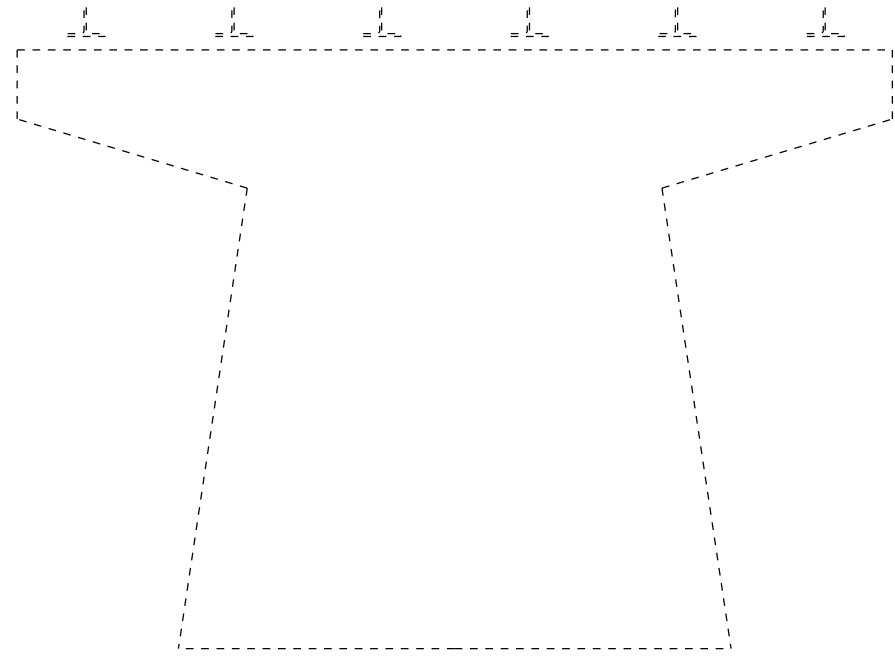
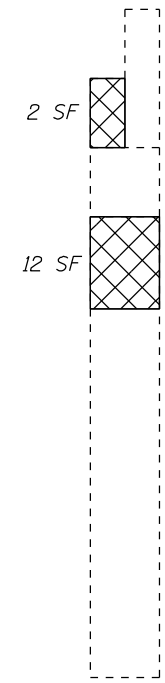
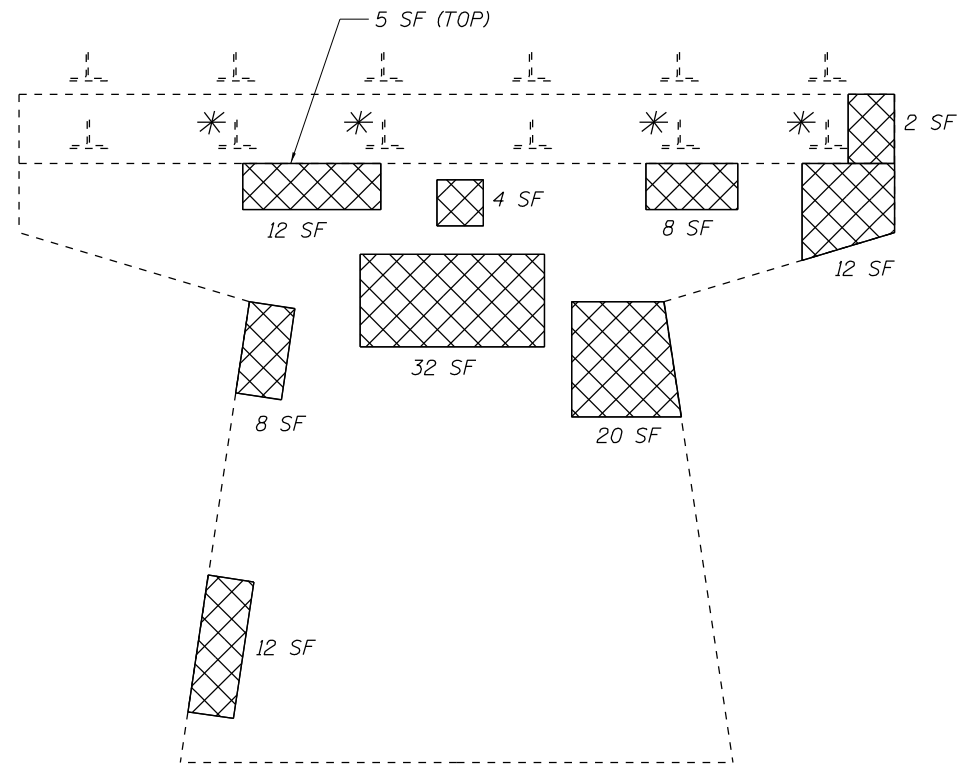
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M91	



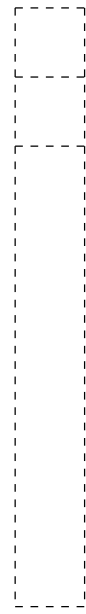
PIER 1 - SOUTH FACE



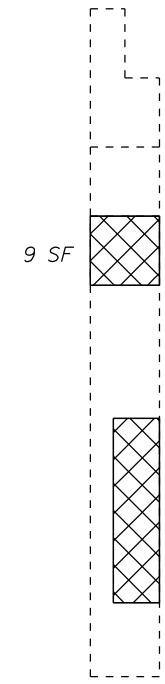
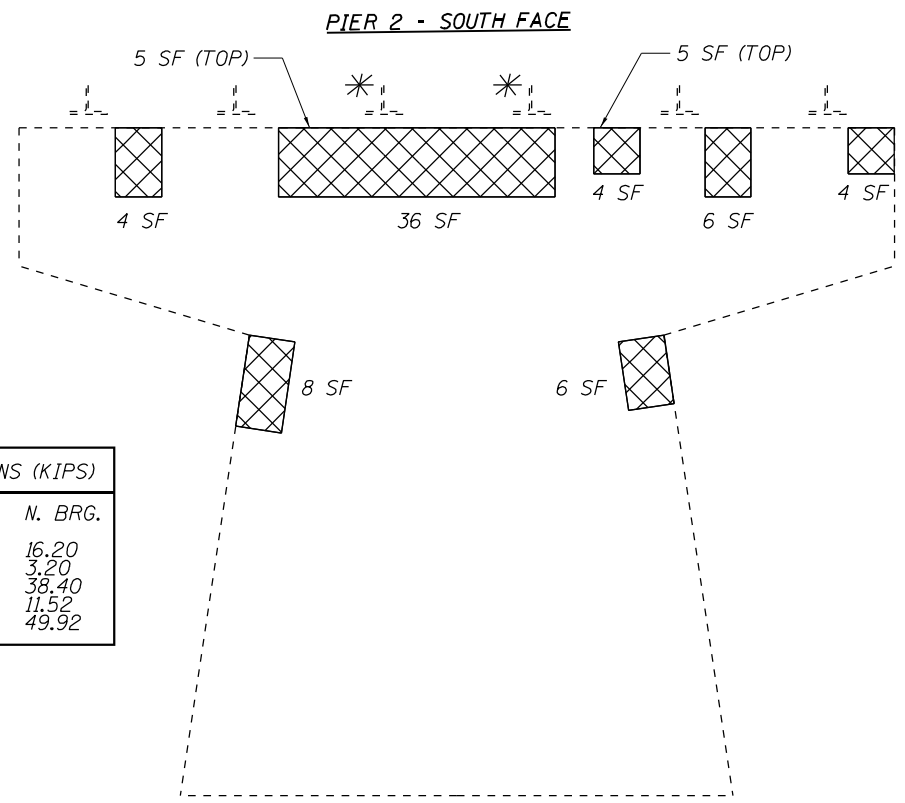
PIER 1 - EAST END



PIER 1 - NORTH FACE



PIER 1 - WEST END



PIER 2 REACTIONS (KIPS)		
	S. BRG.	N. BRG.
DL	19.30	16.20
SDL	3.70	3.20
LL	34.70	38.40
IMP	9.09	11.52
TOTAL	43.79	49.92

PIER 2 - SOUTH FACE

PIER 2 - EAST END

 STRUCTURAL REPAIR OF CONCRETE

* TEMP. SHORING & CRIBBING

SEE SUBSTRUCTURE REPAIR BILL OF MATERIAL ON SHEET 4 OF 6

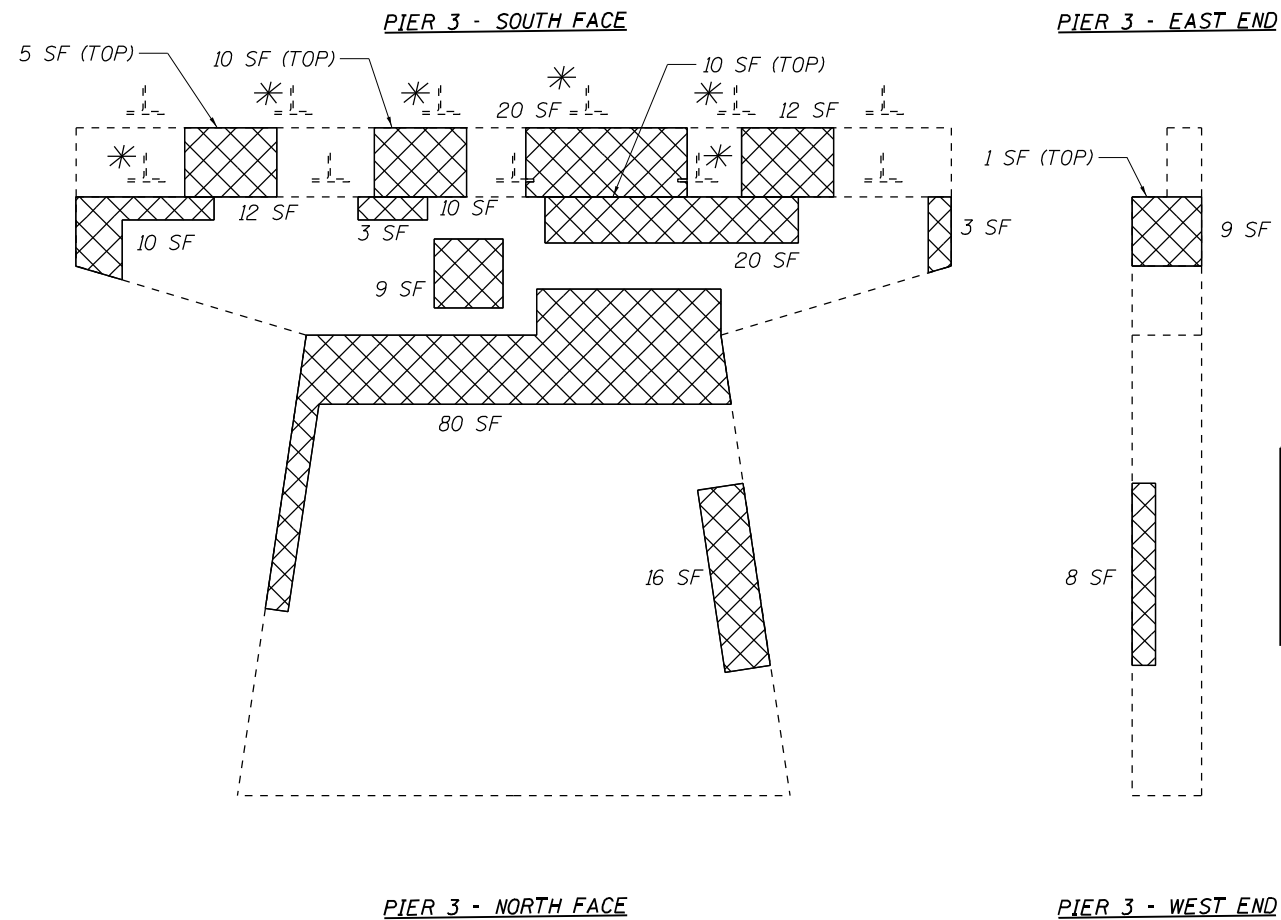
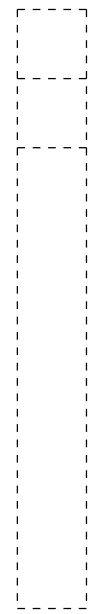
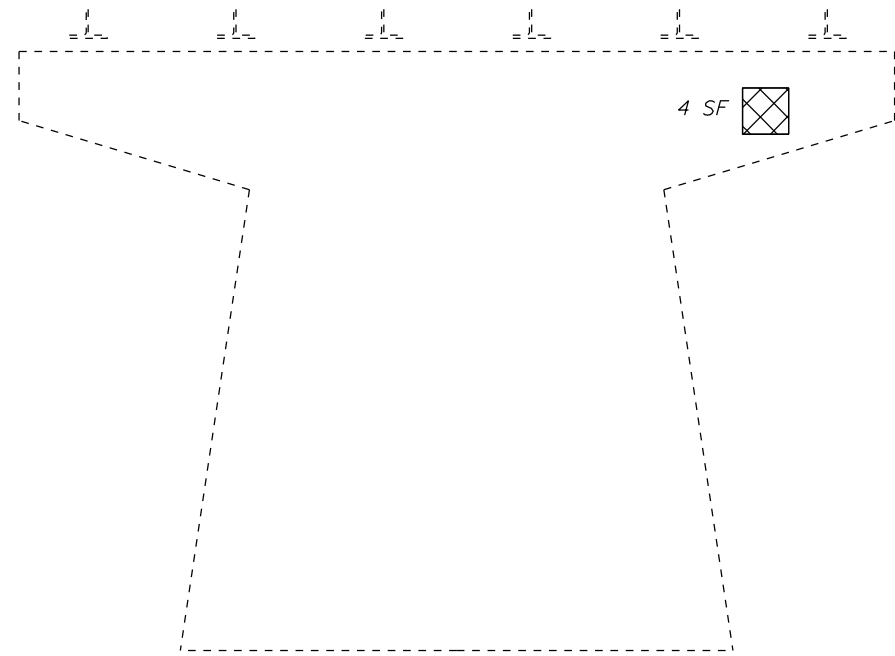
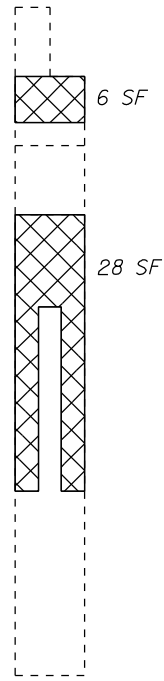
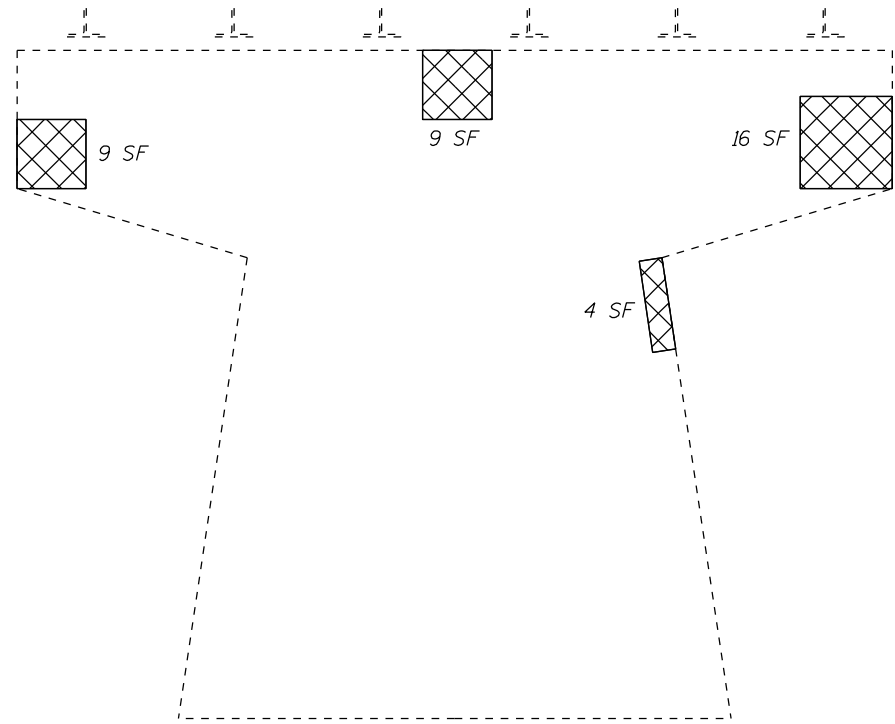
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PLOT DATE = 5/24/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUBSTRUCTURE REPAIR DETAILS			
SN 001-0011			
SCALE:	SHEET 5	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	11
CONTRACT NO. 72M91				
ILLINOIS FED. AID PROJECT				



PIER 3 REACTIONS (KIPS)		
	S. BRG.	N. BRG.
DL	16.20	51.80
SDL	3.20	7.10
LL	38.40	47.50
IMP	11.52	9.50
TOTAL	49.92	57.00



STRUCTURAL REPAIR OF CONCRETE

* TEMP. SHORING & CRIBBING

SEE SUBSTRUCTURE REPAIR BILL OF MATERIAL ON SHEET 4 OF 6

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE REPAIR DETAILS
SN 001-0011**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	(78-3VHB) BDR, BJR, BRR	ADAMS	12	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M91	