

06-15-2018 LETTING ITEM 048

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PROPOSED  
 CONTRACT MAINTENANCE**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	175-1,75-4,75-5)BR,BDR,BJR	PIKE	19	1
		ILLINOIS	CONTRACT NO. 72K54	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



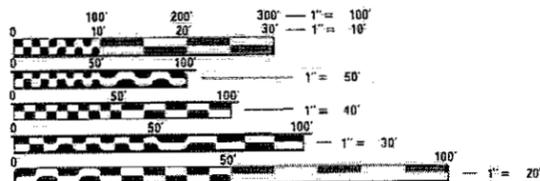
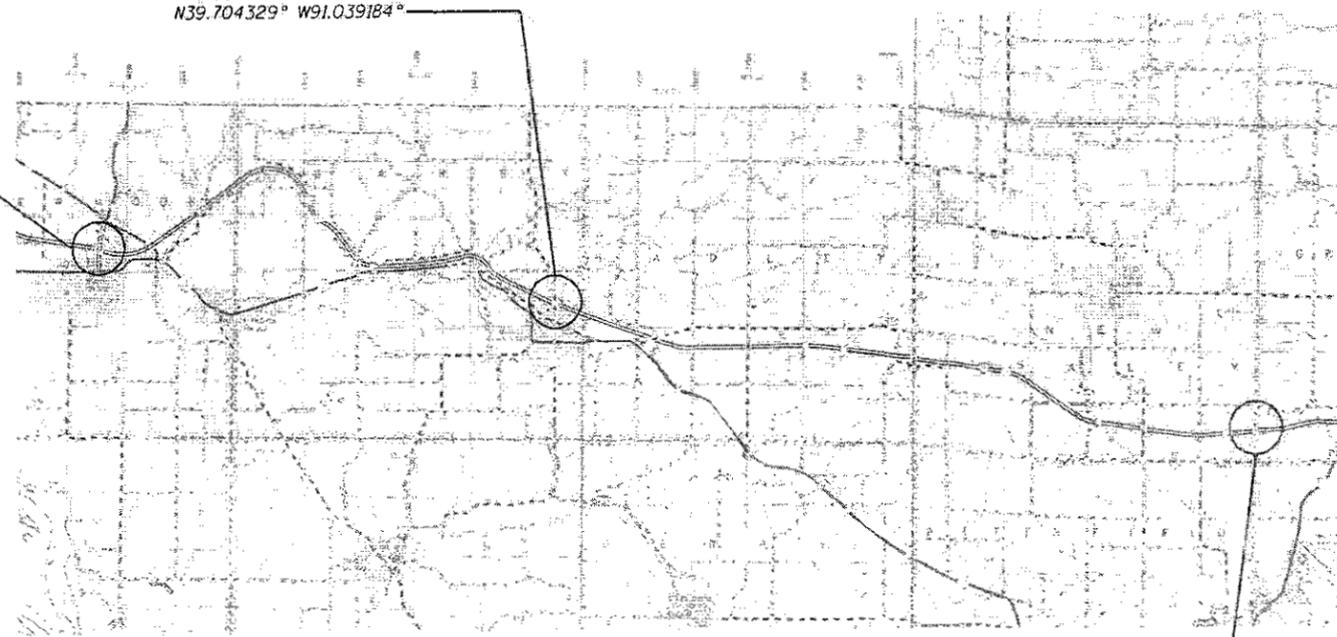
FAI ROUTE 72 (I 72)  
 SECTION (75-1,75-4,75-5)BR, BDR, BJR  
 BRIDGE REPAIRS  
 PIKE COUNTY

C-96-082-18



PROJECT LOCATION:  
 SN 075-0089  
 IL 96 OVER I-72  
 INTERCHANGE NEAR HULL  
 N39.718608° W91.194956°

PROJECT LOCATION:  
 SN 075-0103  
 CH 4 OVER I-72  
 BARRY INTERCHANGE  
 N39.704329° W91.039184°



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

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

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY (217) 785-9290  
 DESIGNER: DAVID MARSHALL (217) 524-5010

CONTRACT NO. 72K54

PROJECT LOCATION:  
 SN 075-0112  
 IL 107 OVER I-72  
 IL 107 INTERCHANGE NORTH  
 OF PITTSFIELD  
 N39.674326° W90.768550°

075-0089 NET LENGTH = 227.5 FT = 0.043 MILE  
 075-0103 NET LENGTH = 244.5 FT = 0.046 MILE  
 075-0112 NET LENGTH = 219.0 FT = 0.040 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED 20 March 2018

[Signature]  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11 2018  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2018  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, SCHEDULES, & SUMMARY OF QUANTITIES
- 3 SUMMARY OF QUANTITIES
- 4-6 TRAFFIC CONTROL PLANS
- 7-19 BRIDGE PLANS AND DETAILS

HIGHWAY STANDARDS

- 482011-03
- 701001-02
- 701006-05
- 701101-05
- 701106-02
- 701201-04
- 701316-12
- 701400-09
- 701406-11
- 701411-09
- 701901-07

GENERAL NOTES:

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.  
 DURING CONCRETE REMOVAL OPERATIONS OVER I-72, THE AFFECTED LANE OF I-72 SHALL BE CLOSED.

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

EXAMINED February 27<sup>th</sup> 18  
  
 ENGINEER OF OPERATIONS

EXAMINED February 28<sup>th</sup> 18  
  
 ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED February 27 20 18  
  
 ENGINEER OF PROGRAM DEVELOPMENT

FILE NAME : \\Central\ads\OPERATIONS\Bridges\Bridges\Operations\GOV\72K54 - I72 overhead repairs\Plan USER NAME : dudleghm DESIGNED : CHECKED : DATE : PLOT SCALE : 40,000 / in PLOT DATE : 3/20/2018	REVISIONS: REVISION NO. : DATE : REVISION DESCRIPTION :
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, & SIGNATURES	
SCALE:	SHEET OF SHEETS STA. TO STA.
F.A.I. RTE.: 72	SECTION: 175-1,75-4,75-5 BR. AD. B. JR.
COUNTY:	TOTAL SHEET NO.: 19
CONTRACT NO.: 72K54	PIKE:

0-01625-6001  
100% STATE  
BRIDGE  
0047  
PIKE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	29	29
671001Q0	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	6	6
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	3
X7010200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL)	EACH	3	3
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	180	180
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	151	151
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	549	549
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	154	154
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	46	46
Z0021904	SILICONE JOINT SEALER, 1"	FOOT	41	41
Z0021914	SILICONE JOINT SEALER, 2.75"	FOOT	413	413

14



**SYMBOLS**

- WORK AREA
- TRAFFIC SIGNAL
- SIGN
- DRUM WITH STEADY BURNING LIGHT
- DRUM
- TYPE III BARRICADE WITH FLASHING LIGHTS

**NOTES:**

1. TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.
2. ALL TRAFFIC CONTROL DEVICES NOT SHOWN ON THIS DETAIL SHALL BE PLACED PER STANDARD 701316.
3. REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.
4. TRAFFIC CONTROL SHOWN FOR SN 075-0103. SN 075-0089 AND SN 075-0112 WILL BE SIMILAR.

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
\\Central\6\OPERATIONS\Bridges\Bridges\ans_CAD\72K54 - 172 overhead repairs Pike Co\DRAWING\atching Plans.dgn		DRAWN	REVISED -
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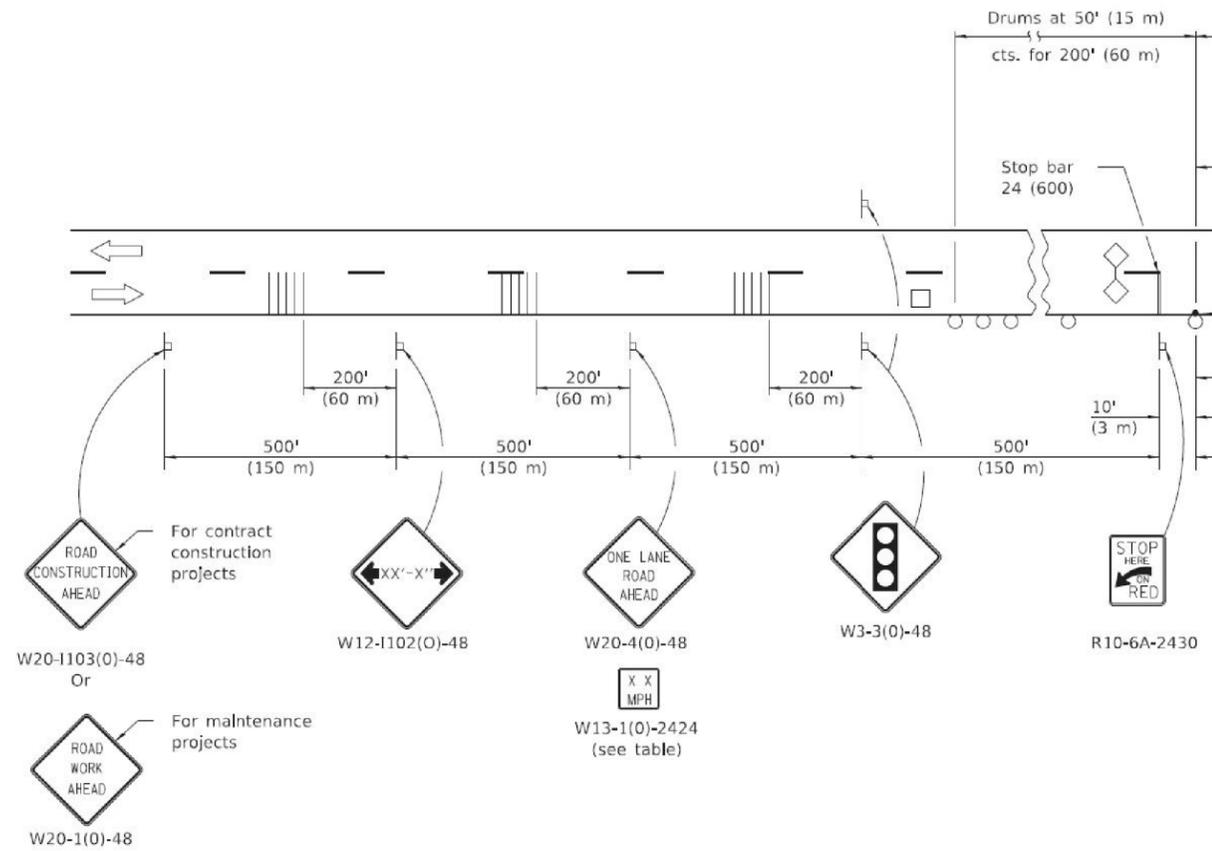
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL & PROTECTION STANDARD 701316 (SPECIAL)  
STAGE I (TYPICAL)**

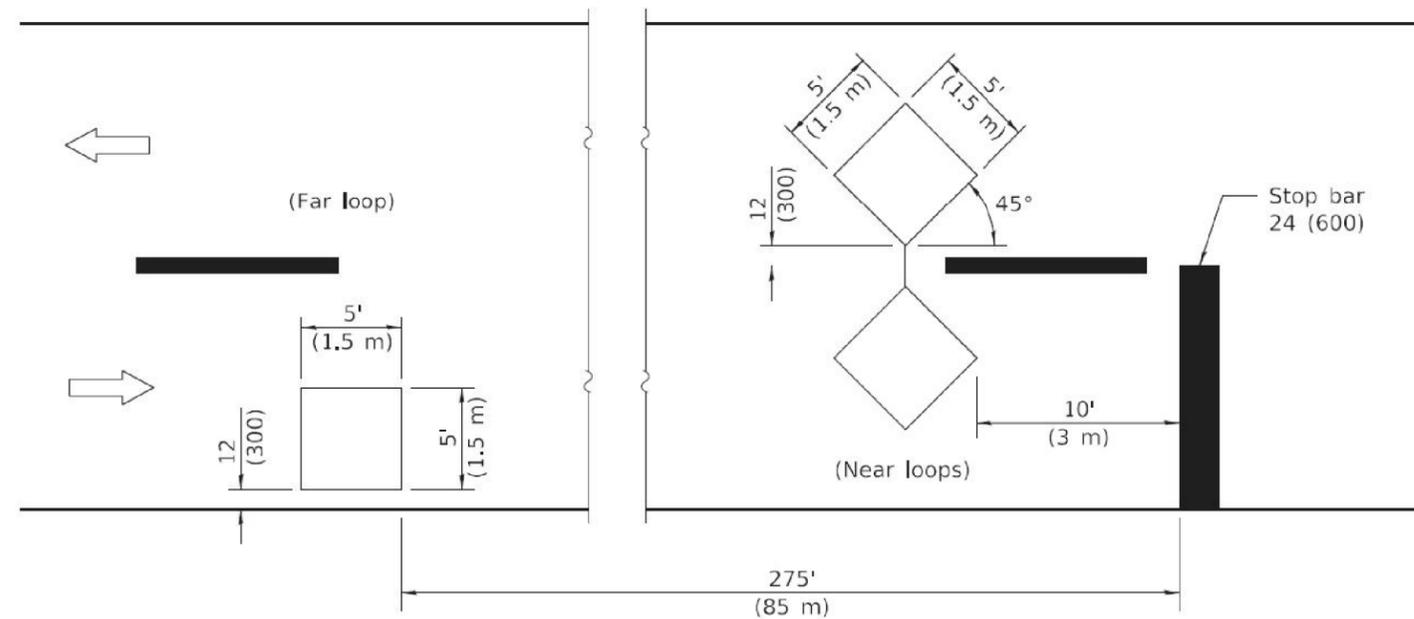
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	4
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				





DETAIL "A"



**DETECTOR LOOPS**

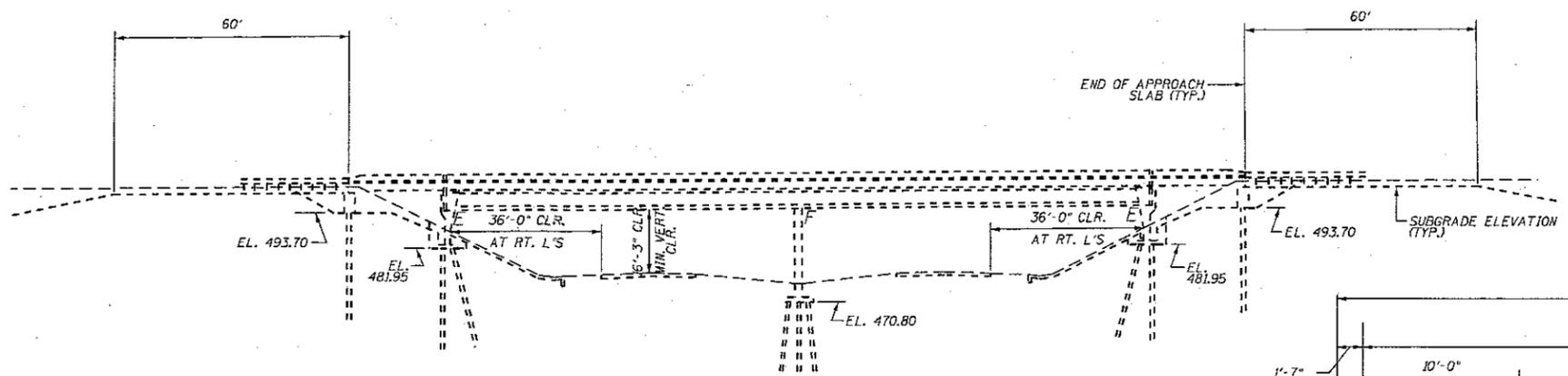
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\\Central\6\OPERATIONS\Bridges\Bridges\Plans\CAD\72K54 - 172 overhead repairs Pike Co	DRAWN =atching Plans.dgn	REVIS	REVIS
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

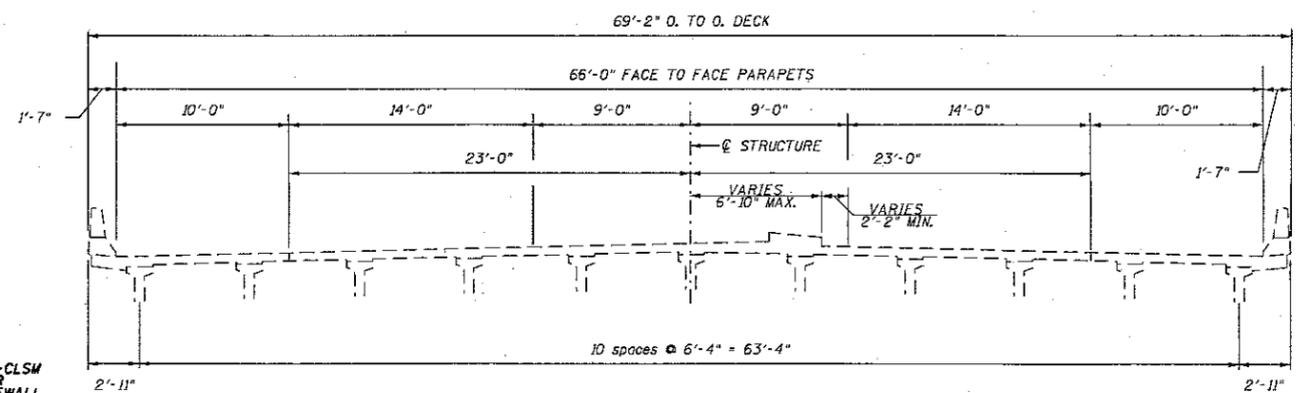
TRAFFIC CONTROL & PROTECTION STANDARD 701316 (SPECIAL)  
GENERAL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	6
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				

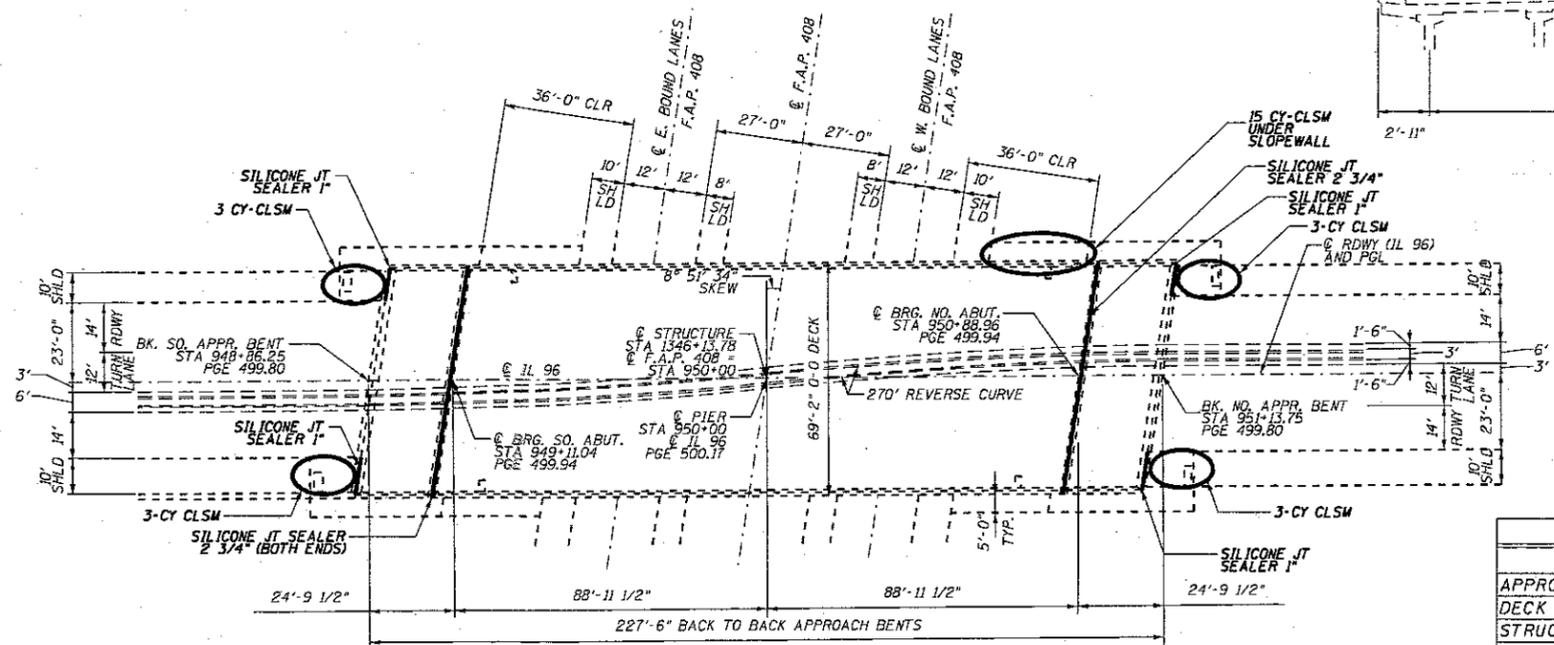


**ELEVATION**



**CROSS SECTION**

(Looking north, south end shown - north end similar)



**PLAN**

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SO. YD.	15
DECK SLAB REPAIR (PARTIAL)	SO. YD.	9
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SO. FT.	107
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SO. FT.	250
SILICONE JOINT SEALER, 2 3/4"	FOOT	134
SILICONE JOINT SEALER, 1"	FOOT	41
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	27

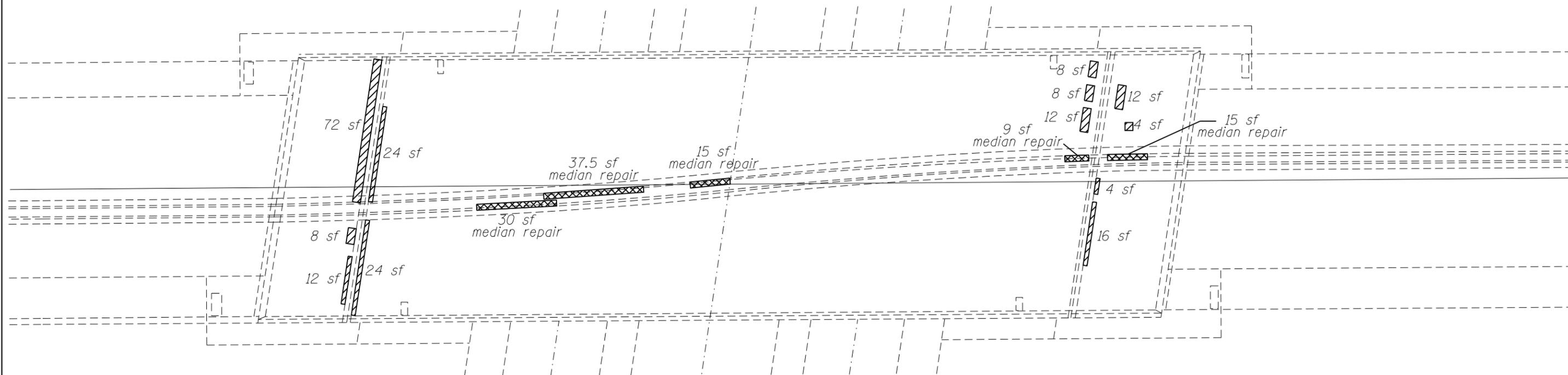
**NOTES:**

DECK REPAIR AREAS SHOWN ON FOLLOWING PAGE.

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.



*David Carl Puzey* 5/8/18  
Expires 11/30/18



DECK SURFACE

 PARTIAL DEPTH PATCHING AREAS

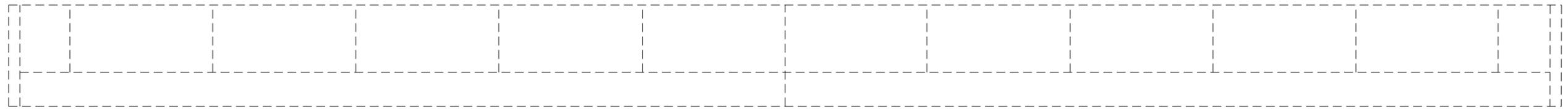
 STRUCTURAL REPAIR OF CONCRETE DEPTH GREATER THAN 5" AREAS

PATCHING SURVEY: 01-2018

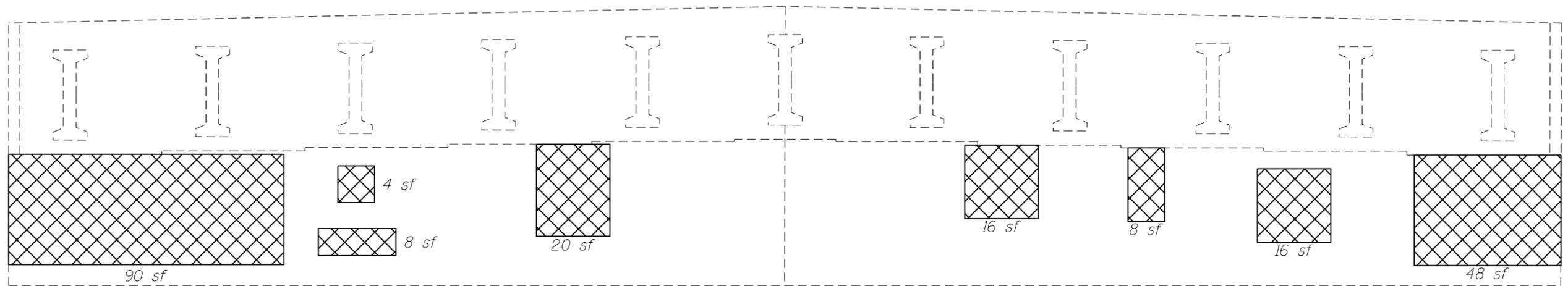
BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	15
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	9
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ. FT.	107

GENERAL NOTES:

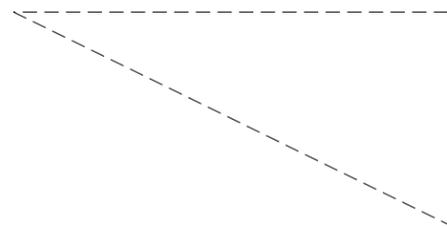
1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.



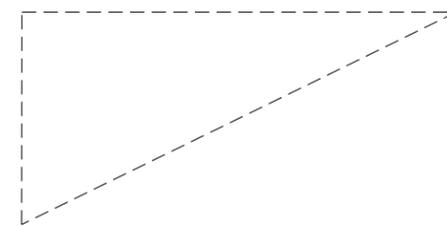
PLAN



ELEVATION (LOOKING NORTH)



WEST CURTAIN WALL ELEVATION  
(LOOKING EAST)



EAST CURTAIN WALL ELEVATION  
(LOOKING WEST)

 PROPOSED STRUCTURAL REPAIR OF CONCRETE  
(DEPTH EQUAL TO OR LESS THAN 5")

GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
\\Central\6\OPERATIONS\Bridges\Bridges\Plans\CAD\72K54 - 172 overhead repairs Pike Co\DRAWING\atching Plans.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/20/2018		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

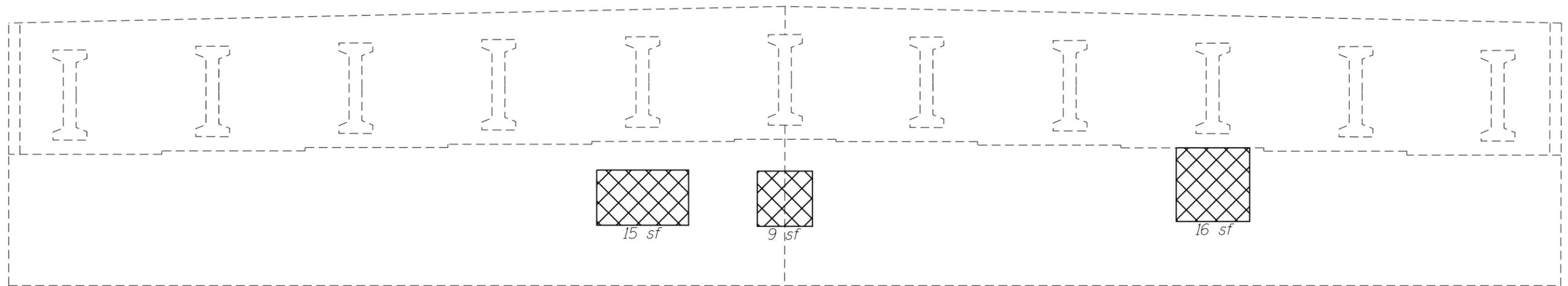
NORTH ABUTMENT REPAIR DETAILS  
SN 075-0089

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

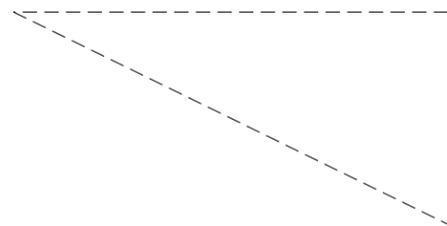
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	9
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				



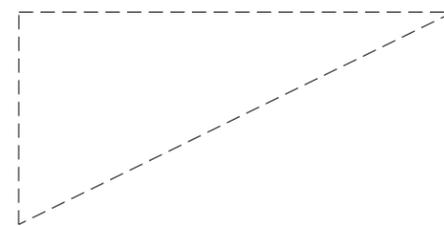
PLAN



ELEVATION (LOOKING SOUTH)



EAST CURTAIN WALL ELEVATION  
(LOOKING WEST)



WEST CURTAIN WALL ELEVATION  
(LOOKING EAST)

GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

 PROPOSED STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")

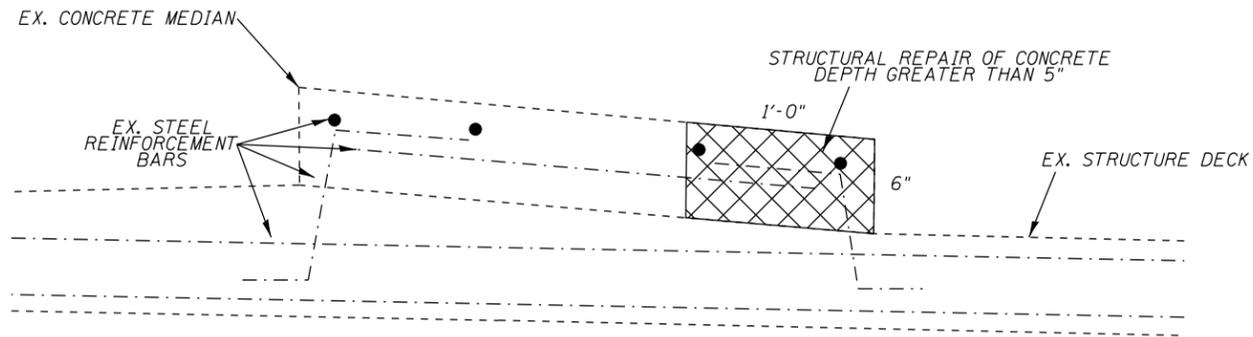
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

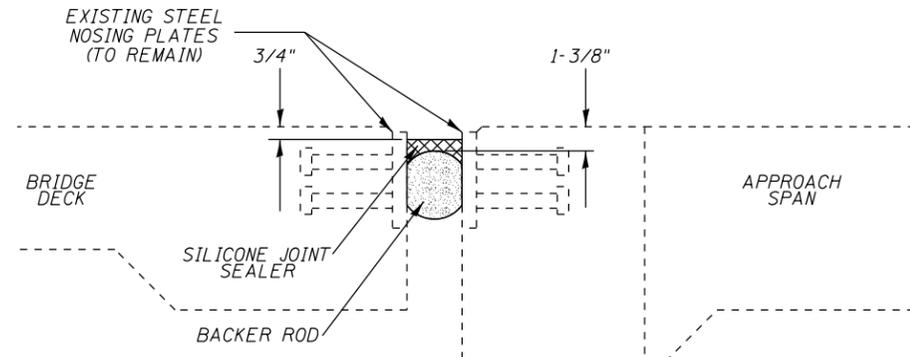
**SOUTH ABUTMENT REPAIR DETAILS**  
**SN 075-0089**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	10
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				



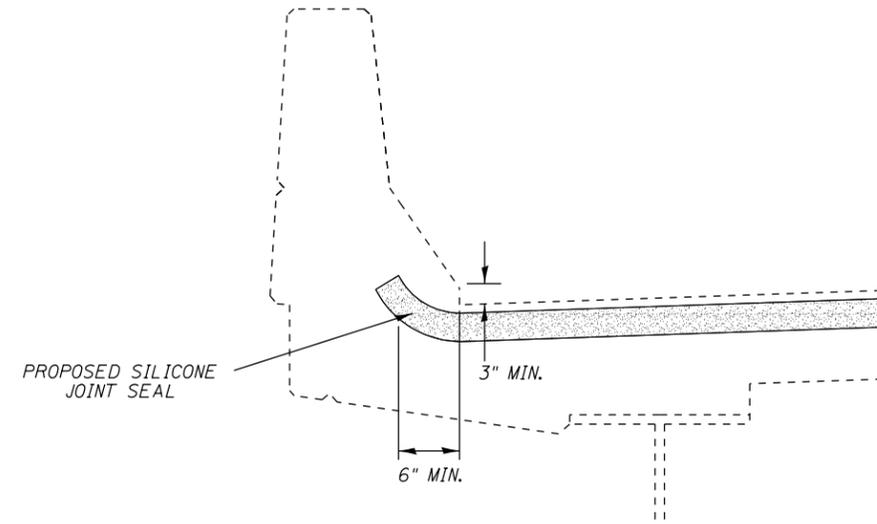
TYPICAL MEDIAN REPAIR CROSS SECTION



TYPICAL JOINT CROSS SECTION: SILICONE JOINT SEALER

NOTES:

- JOINT WIDTHS SPECIFIED IN PLANS ARE AT 50° F. THE CONTRACTOR SHALL INSTALL BACKER ROD HAVING A DIAMETER 25% GREATER THAN THE JOINT OPENING AT THE TIME OF INSTALLATION.
- THE COST OF REMOVING AND DISPOSING OF EXISTING JOINT SEAL MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR SILICONE JOINT SEALER.
- IN APPLICATIONS WITH EXISTING STEEL NOSINGS, THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING STUDS ATTACHED TO THE STEEL PLATES. ANY STUDS THAT ARE DAMAGED SHALL BE REPLACED WITH NEW 8" STUDS CONFORMING TO ARTICLE 1006.32, OR ALTERNATE ANCHORING DEVICE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REPAIRING ANCHORING STUDS DAMAGED BY THE CONTRACTOR'S ACTIVITIES.



TYPICAL PARAPET CROSS SECTION: SILICONE JOINT SEALER END TREATMENT

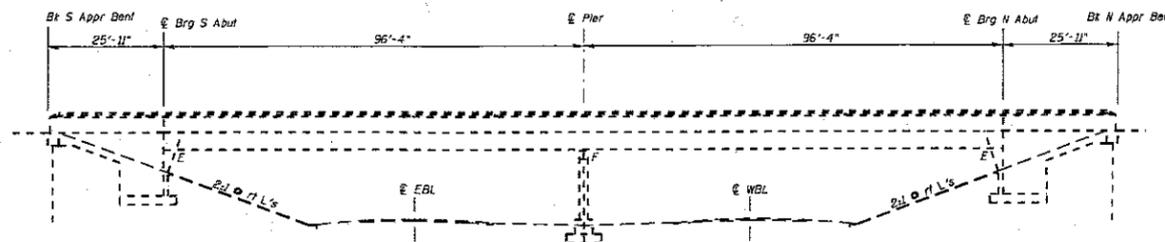
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

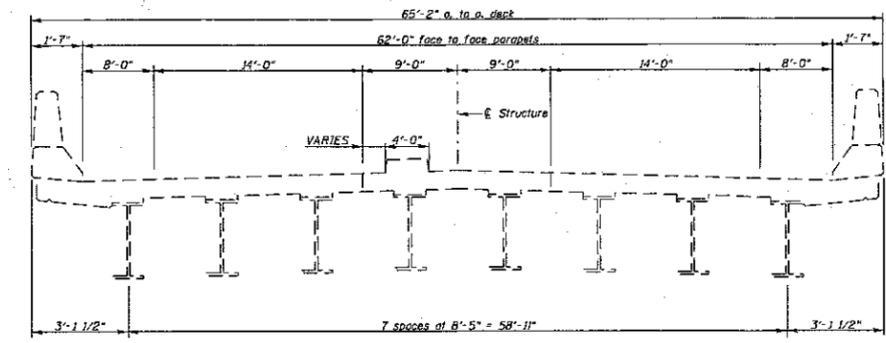
TYPICAL REPAIR CROSS SECTIONS  
SN 075-0089

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	11
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				

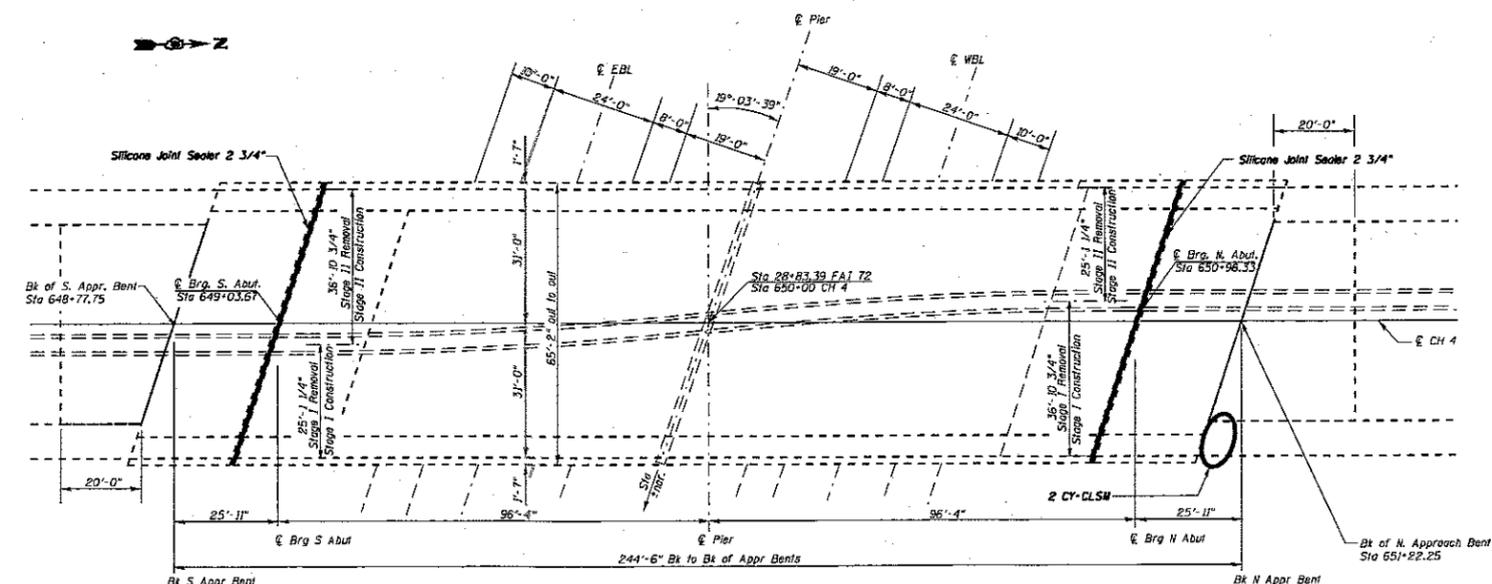


ELEVATION



CROSS SECTION

(Looking north, north end shown - south end similar)



PLAN

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	57
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	15
STRUCTURAL REPAIR OF CONCRETE DEPTH LESS THAN 5"	SQ. FT.	299
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	2
SILICONE JOINT SEALER, 2 3/4"	FOOT	138

NOTES:

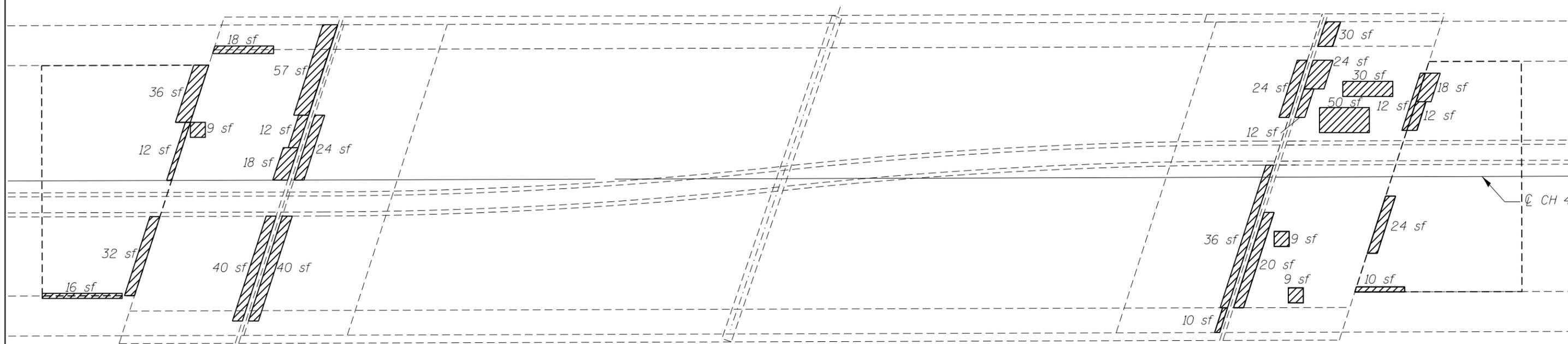
DECK REPAIR AREAS SHOWN ON FOLLOWING PAGE.

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.



*David Carl Pusey 5/8/18*  
*Expires 11/30/18*

FILE NAME =	USER NAME = dudiegbm	DESIGNED - BTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION SN 075-0103	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Central\06\OPERATIONS\Bridges\Bridges\ans_CAD\72K54 - 172 overhead repairs Pike	DRAWN\petchung Plans.dgn	CHECKED - BMD	REVISED -			72	175-1,75-4,75-51BR,BDR,BJR	PIKE	19	12	
Default	PLOT SCALE = 48.0000 1/16"	DATE -	REVISED -			CONTRACT NO. 72K54					
	PLOT DATE = 3/28/2016					ILLINOIS FED. AID PROJECT					



DECK SURFACE

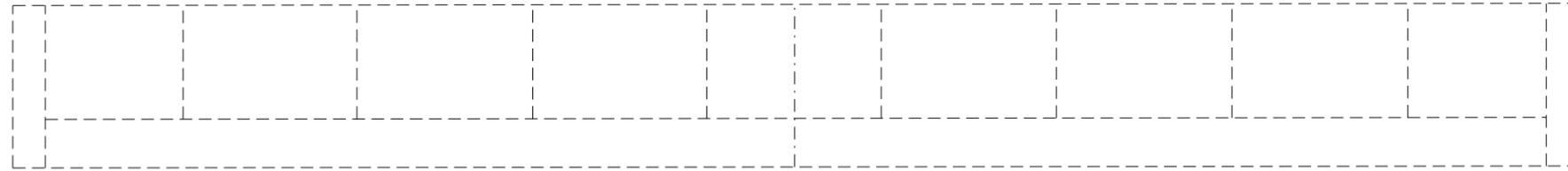
 PARTIAL DEPTH PATCHING AREAS

PATCHING SURVEY: 01-2018

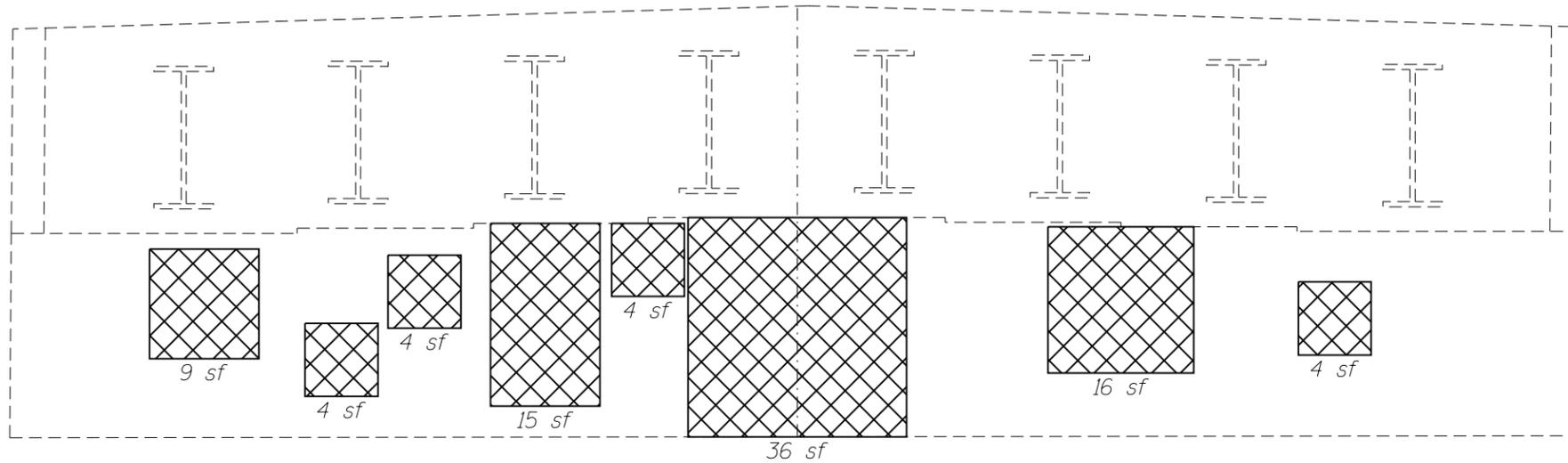
BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	57
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	15

GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.



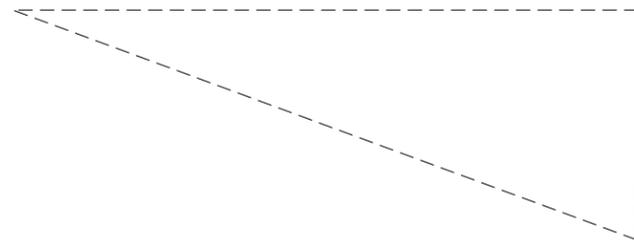
PLAN



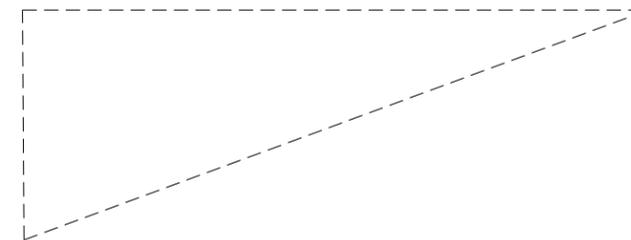
ELEVATION (LOOKING NORTH)

GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.



WEST CURTAIN WALL ELEVATION  
(LOOKING EAST)



EAST CURTAIN WALL ELEVATION  
(LOOKING WEST)

 PROPOSED STRUCTURAL REPAIR OF CONCRETE  
(DEPTH EQUAL TO OR LESS THAN 5")

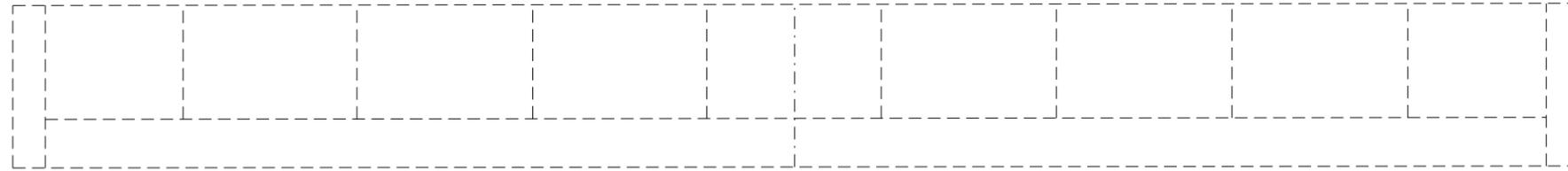
FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
\\Central\6\OPERATIONS\Bridges\Bridges\Plans\CAD\72K54 - 172 overhead repairs Pike Co\DRAWING\atching Plans.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2018	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

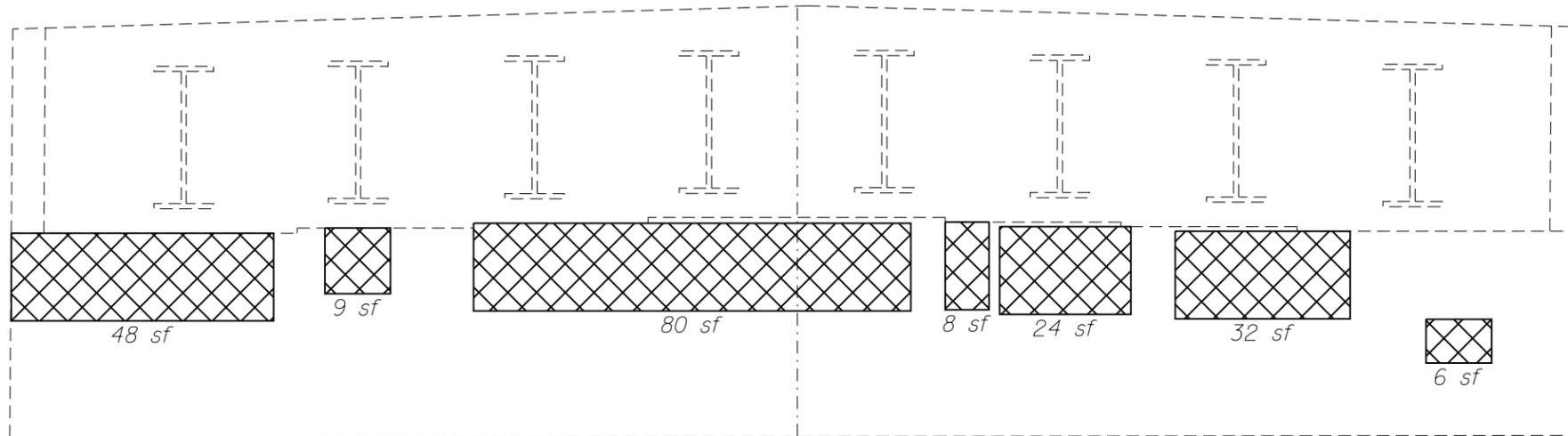
**NORTH ABUTMENT REPAIR DETAILS**  
**SN 075-0103**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	14
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				



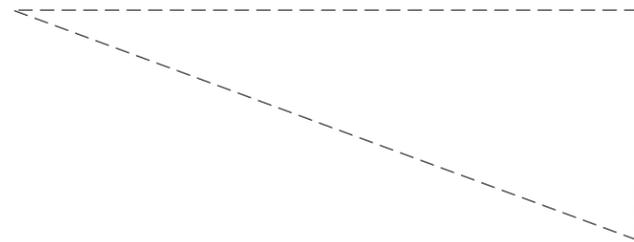
PLAN



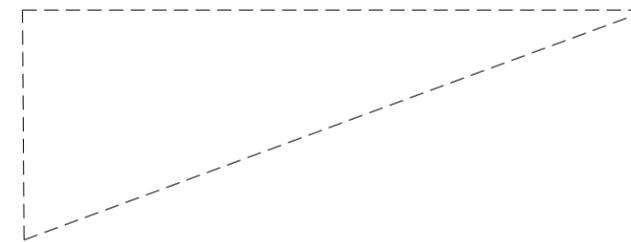
ELEVATION (LOOKING SOUTH)

GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.



EAST CURTAIN WALL ELEVATION  
(LOOKING WEST)



WEST CURTAIN WALL ELEVATION  
(LOOKING EAST)

 PROPOSED STRUCTURAL REPAIR OF CONCRETE  
(DEPTH EQUAL TO OR LESS THAN 5")

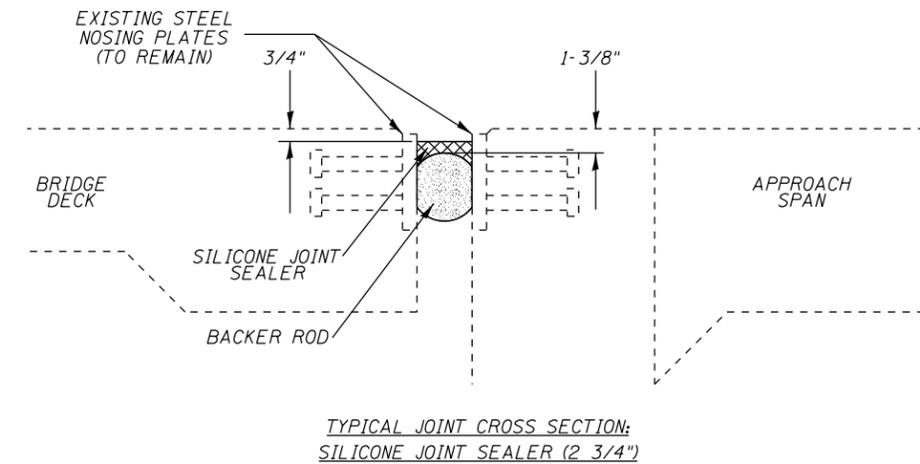
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\\Central\6\OPERATIONS\Bridges\Bridges\Plans\CAD\72K54 - 172 overhead repairs Pike Co\DRAWING\atching Plans.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 3/20/2018	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT REPAIR DETAILS**  
**SN 075-0103**

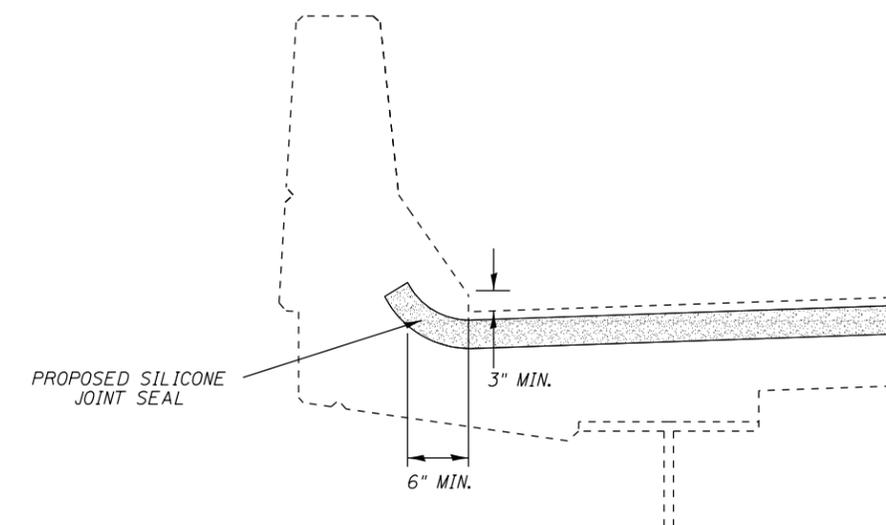
SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	15
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				



NOTES:

- JOINT WIDTHS SPECIFIED IN PLANS ARE AT 50° F. THE CONTRACTOR SHALL INSTALL BACKER ROD HAVING A DIAMETER 25% GREATER THAN THE JOINT OPENING AT THE TIME OF INSTALLATION.
- THE COST OF REMOVING AND DISPOSING OF EXISTING JOINT SEAL MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR SILICONE JOINT SEALER.
- IN APPLICATIONS WITH EXISTING STEEL NOSINGS, THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING STUDS ATTACHED TO THE STEEL PLATES. ANY STUDS THAT ARE DAMAGED SHALL BE REPLACED WITH NEW 8" STUDS CONFORMING TO ARTICLE 1006.32, OR ALTERNATE ANCHORING DEVICE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REPAIRING ANCHORING STUDS DAMAGED BY THE CONTRACTOR'S ACTIVITIES.



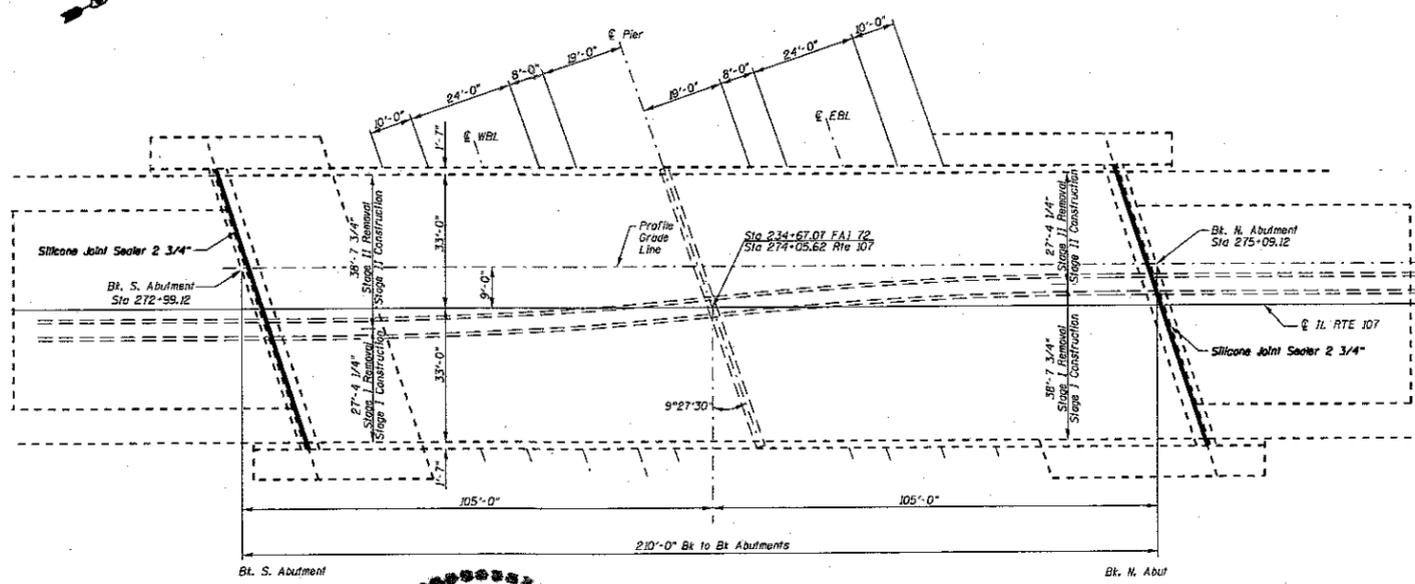
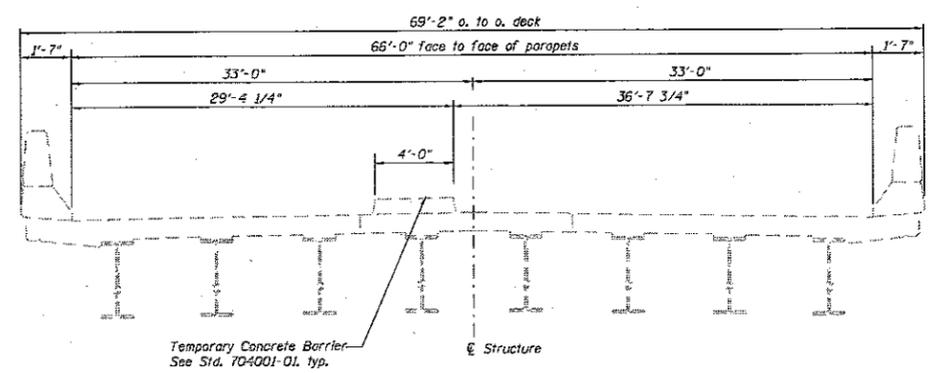
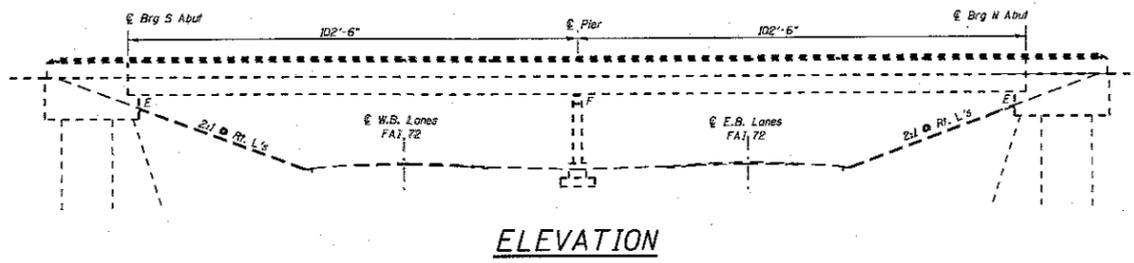
FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
\\Central\6\OPERATIONS\Bridges\Bridges\Plans\CAD\72K54 - 172 overhead repairs Pike Co	DRAWN	atching Plans.dgn	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL REPAIR CROSS SECTIONS  
SN 075-0103

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	16
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				



BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	79
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	22
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ. FT.	47
SILICONE JOINT SEALER, 2 3/4"	FOOT	141

**NOTES:**

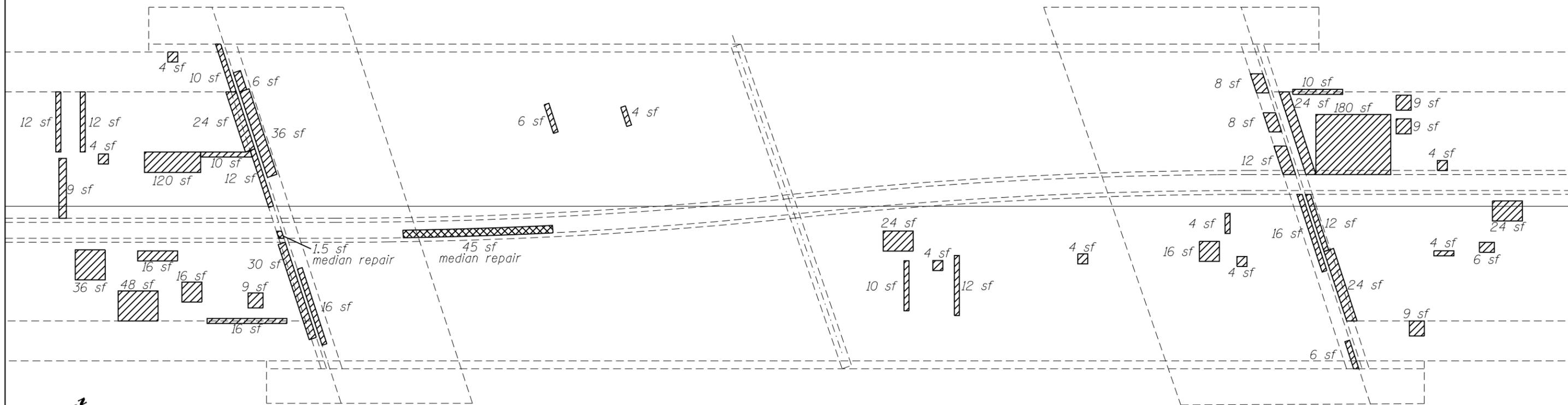
DECK REPAIR AREAS SHOWN ON FOLLOWING PAGE.

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.



*David Carl Pusey* 5/8/18  
Expires 11/30/18

FILE NAME =	USER NAME = dudleybn	DESIGNED - DTH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION SN 075-0112	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\Central\ds\OPERATIONS\Bridges\Bridges\ans.CAD\72K54 - 172 overhead repairs\Fike	DRAWING Patching Plans.dgn	CHECKED - BMD	REVISED -			72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	17	
PLOT SCALE = 40.0000' / in.	DATE -	DATE -	REVISED -			CONTRACT NO. 72K54					
PLOT DATE = 3/20/2018	DATE -	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



DECK SURFACE

 PARTIAL DEPTH PATCHING AREAS

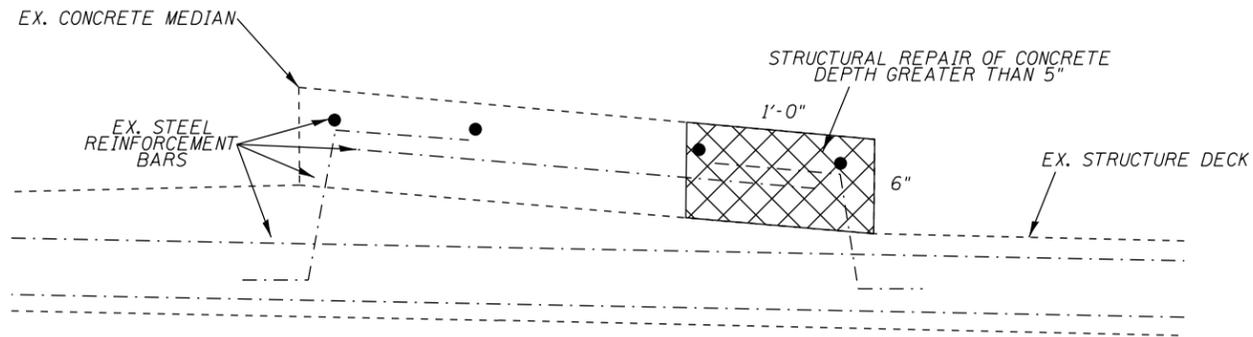
 STRUCTURAL REPAIR OF CONCRETE DEPTH GREATER THAN 5" AREAS

PATCHING SURVEY: 01-2018

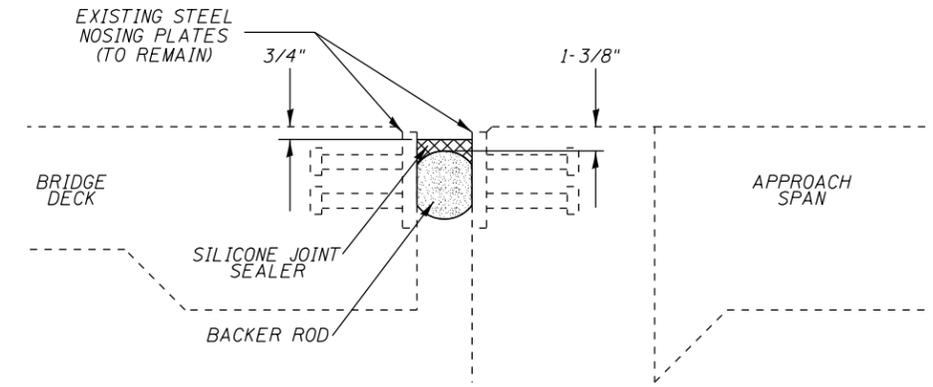
GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	79
DECK SLAB REPAIR (PARTIAL)	SQ. YD.	22
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ. FT.	47



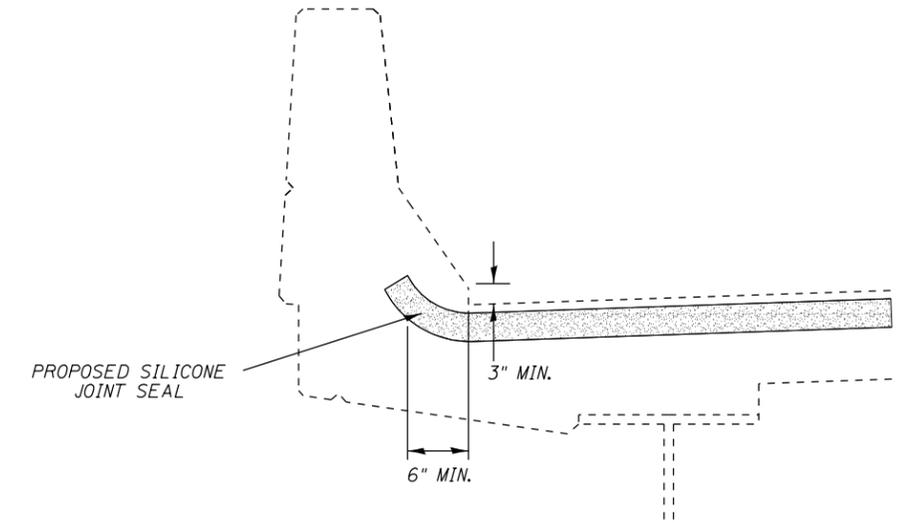
TYPICAL MEDIAN REPAIR CROSS SECTION



TYPICAL JOINT CROSS SECTION: SILICONE JOINT SEALER (2 3/4")

NOTES:

- JOINT WIDTHS SPECIFIED IN PLANS ARE AT 50° F. THE CONTRACTOR SHALL INSTALL BACKER ROD HAVING A DIAMETER 25% GREATER THAN THE JOINT OPENING AT THE TIME OF INSTALLATION.
- THE COST OF REMOVING AND DISPOSING OF EXISTING JOINT SEAL MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR SILICONE JOINT SEALER.
- IN APPLICATIONS WITH EXISTING STEEL NOSINGS, THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING STUDS ATTACHED TO THE STEEL PLATES. ANY STUDS THAT ARE DAMAGED SHALL BE REPLACED WITH NEW 8" STUDS CONFORMING TO ARTICLE 1006.32, OR ALTERNATE ANCHORING DEVICE APPROVED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REPAIRING ANCHORING STUDS DAMAGED BY THE CONTRACTOR'S ACTIVITIES.



TYPICAL PARAPET CROSS SECTION: SILICONE JOINT SEALER END TREATMENT

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
\\Central\6\OPERATIONS\Bridges\Bridges\Plans\CAD\72K54 - 172 overhead repairs Pike Co	DRAWN	Checked Plans.dgn	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL REPAIR CROSS SECTIONS  
SN 075-0112

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1,75-4,75-5)BR,BDR,BJR	PIKE	19	19
CONTRACT NO. 72K54				
ILLINOIS FED. AID PROJECT				