

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
BRIDGE REPAIRS**

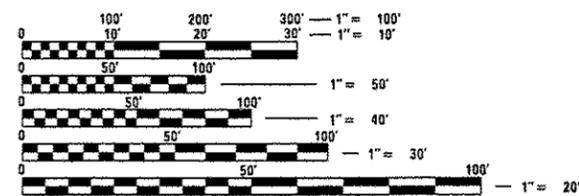
FAI 172 (I-172)
SECTION (1-5) BRR, BJR

**BRIDGE REPAIRS
ADAMS COUNTY**

C-96-022-17

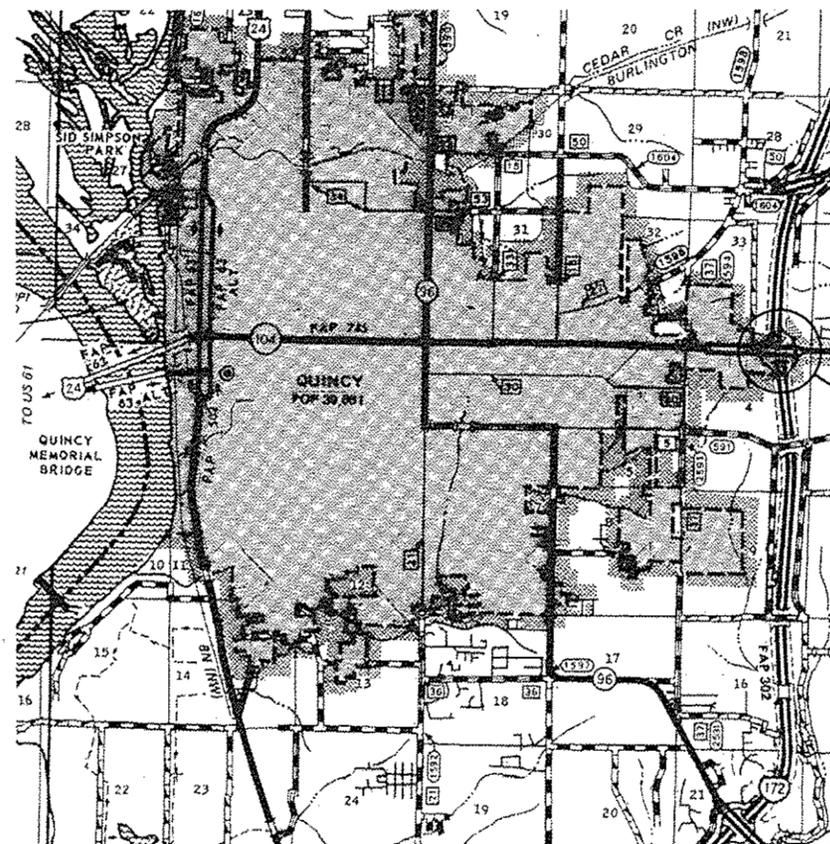
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-5) BRR, BJR	ADAMS	6	1
		ILLINOIS	CONTRACT NO. 72J60	

FOR INDEX OF SHEETS, SEE SHEET NO. 2



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

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



PROJECT LOCATION - SN 001-0047
IL 104 OVER I-172
EAST EDGE OF QUINCY

BRIDGE MAINTENANCE ENGINEER - BRANDON DUDLEY (217) 785-9290
BRIDGE INSPECTION ENGINEER - DAVE COPENBARGER (217) 785-5306

GROSS LENGTH = 220 FT = 0.04 MI
NET LENGTH = 220 FT = 0.04 MI

CONTRACT NO. 72J60

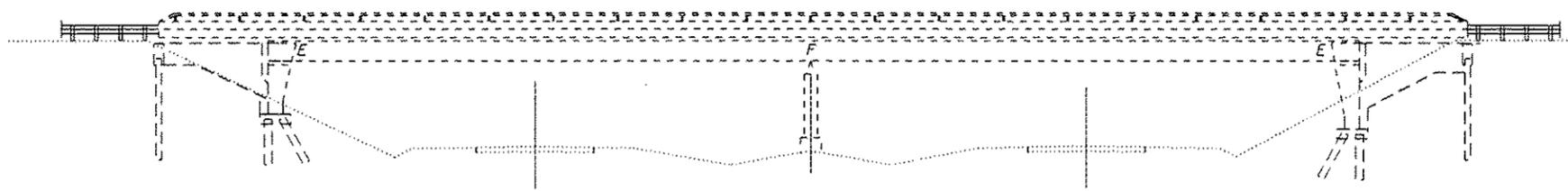
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 13 December 2016
[Signature] REGION FOUR ENGINEER

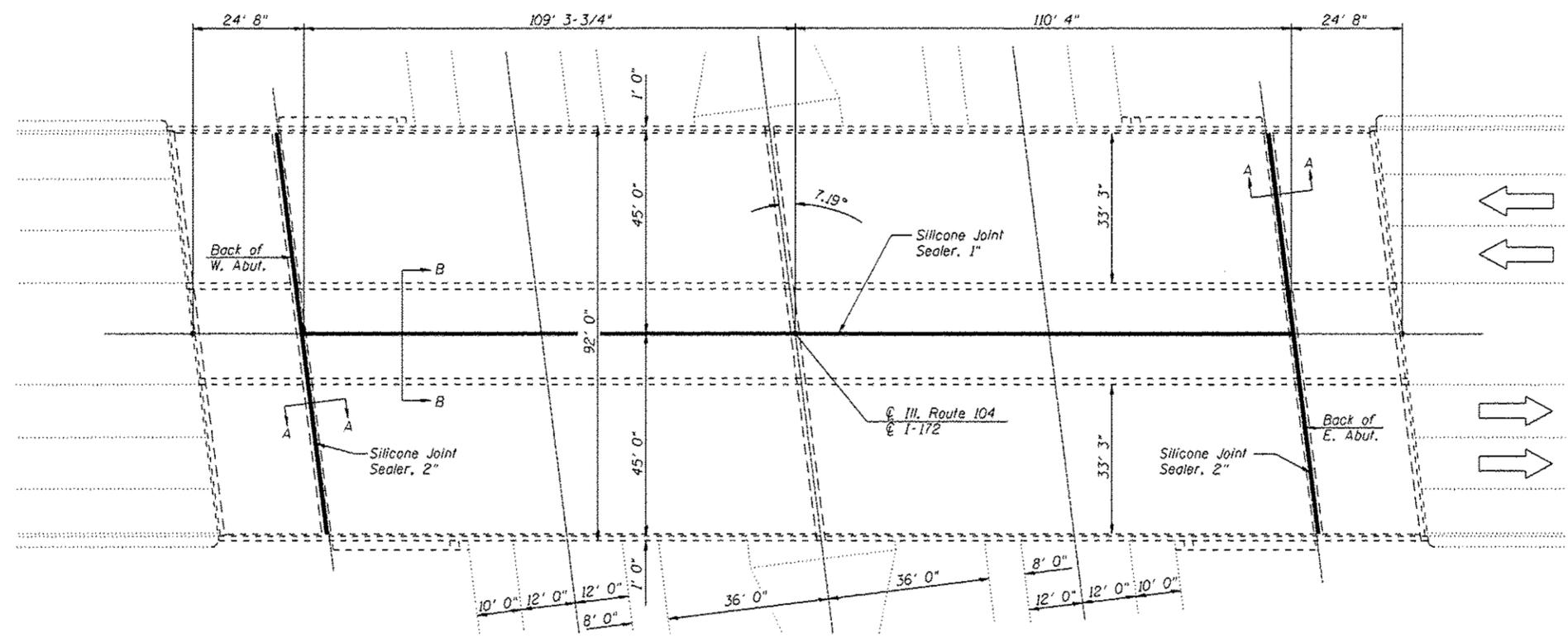
Jan 27 2017
Maurice M. Addis P.E. ENGINEER OF DESIGN AND ENVIRONMENT

Jan 27 2017
[Signature] DIRECTOR OF Program Development

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OF THE STATE OF ILLINOIS**



ELEVATION



PLAN

GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

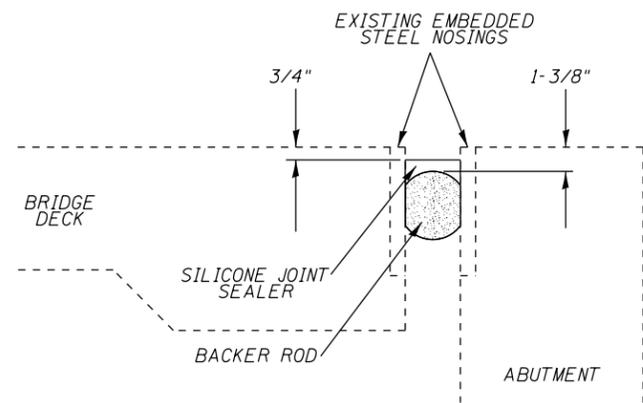
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM, COST INCLUDED WITH CONCRETE REMOVAL.



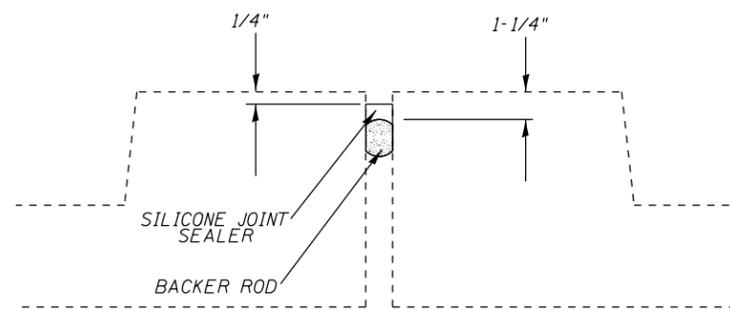
David Carl Puze 1/20/17
Expires 11/30/18

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
SILICONE JOINT SEALER, 2"	FOOT	186
SILICONE JOINT SEALER, 1"	FOOT	220
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SO. FT.	500

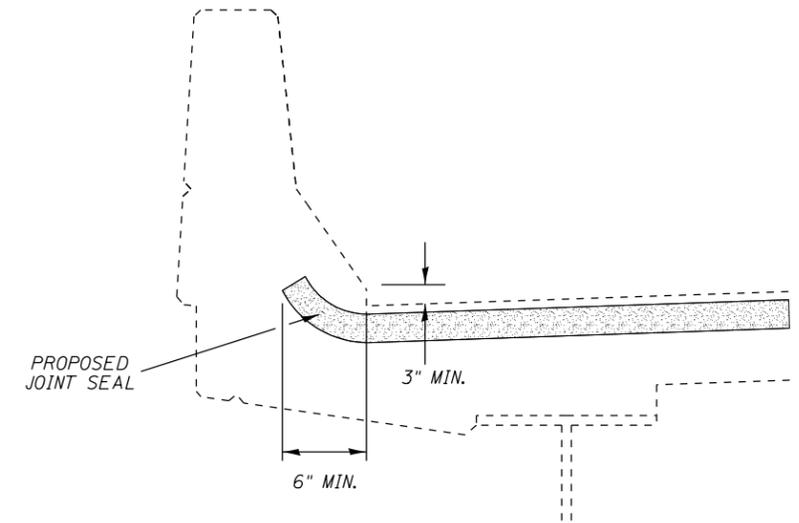
FILE NAME :	USER NAME :	DESIGNED :	REVISD :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE PLAN & ELEVATION SN 001-0047	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Q:\OPERATIONS\Bridges\Bridgplans.CAD\72J60 - 0010047 substructure - repair\plansheet.dwg	72J60 - 0010047 substructure - repair\plansheet.dwg	DRAWN :	REVISD :			172	1-51 BRR, BJR	ADAMS	6	3	
Default	PLOT SCALE = 100.0000 1/16"	CHECKED :	REVISD :			CONTRACT NO. 72J60					
Default	PLOT DATE = 12/13/2016	DATE :	REVISD :			ILLINOIS FED. AID PROJECT					



SECTION A-A:
SILICONE JOINT SEALER DETAIL



SECTION B-B:
LONGITUDINAL JOINT SEAL DETAIL



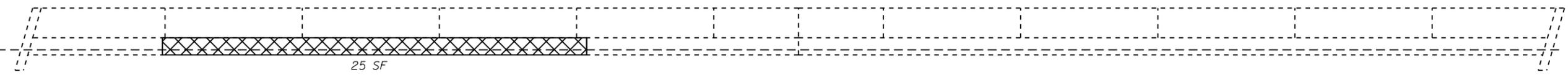
TYPICAL PARAPET CROSS SECTION:
JOINT SEALER END TREATMENT

NOTES:

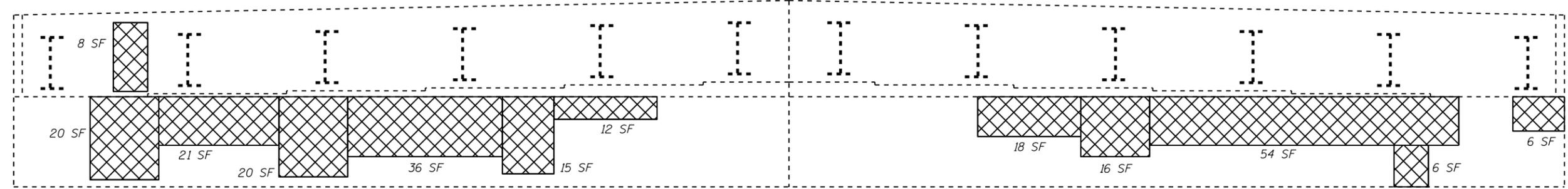
- REMOVAL OF EXISTING SILICONE EXPANSION JOINTS SHALL BE INCLUDED IN THE COST OF SILICONE JOINT SEAL.
- JOINT WIDTHS SPECIFIED IN PLANS ARE AT 50° F. THE CONTRACTOR SHALL INSTALL BACKER ROD HAVING A DIAMETER 25% GREATER THAN THE JOINT OPENING AT THE TIME OF INSTALLATION.

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REPAIR DETAILS SN 001-0047			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\OPERATIONS\Bridges\Bridgplans\CAD\72J60 - 0010047 substructure repair\plansheet.d	DRAWN -	REVISED -	172					(1-5) BRR, BJR	ADAMS	6	4	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 72J60		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 12/13/2016	DATE -	REVISED -									

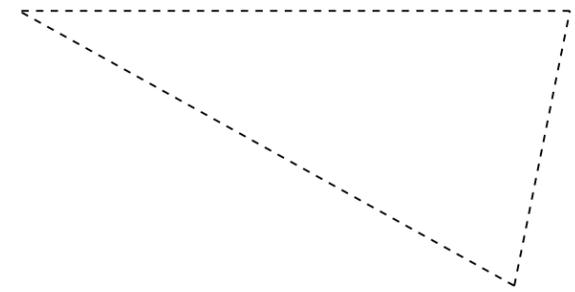
EXISTING ELECTRICAL CONDUIT (TO REMAIN)



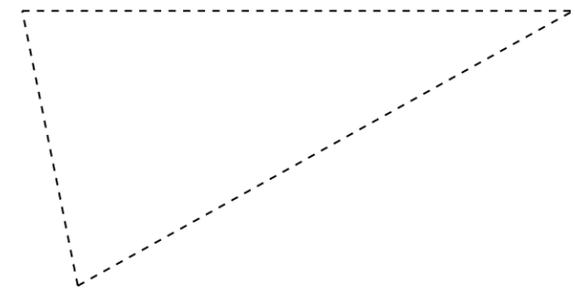
PLAN



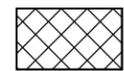
ELEVATION (LOOKING EAST)



NORTH CURTAIN WALL ELEVATION (LOOKING SOUTH)



SOUTH CURTAIN WALL ELEVATION (LOOKING NORTH)



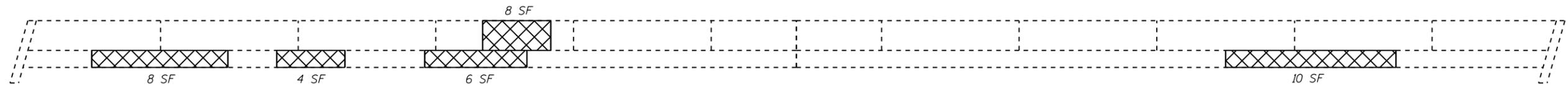
PROPOSED STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")

NOTE:

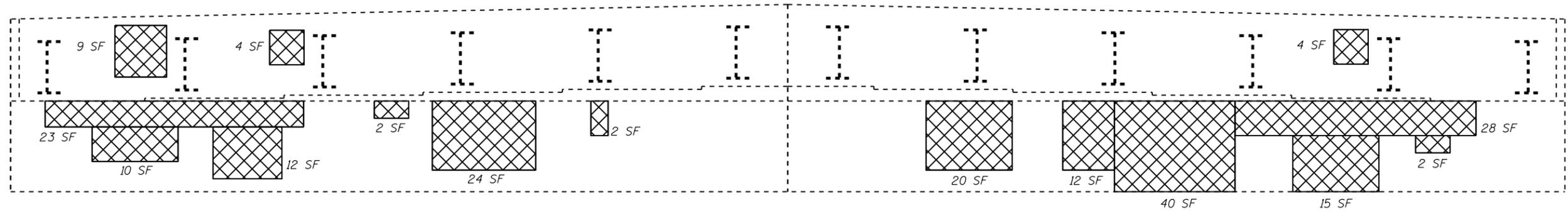
EXISTING ELECTRICAL CONDUIT WHICH INTERFERES WITH CONCRETE REPAIRS SHALL BE DETACHED FROM THE ABUTMENT AND TEMPORARILY SUPPORTED WHILE REPAIRS ARE UNDERTAKEN. UPON COMPLETION OF THE REPAIRS, THE CONDUIT SHALL BE RE-ATTACHED TO THE ABUTMENT TO THE SATISFACTION OF THE ENGINEER. ANY NEW FASTENERS OR HARDWARE REQUIRED SHALL BE APPROVED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS NOTE SHALL BE INCLUDED IN THE BID PRICE FOR STRUCTURAL REPAIR OF CONCRETE.

EXISTING CONDUIT ON THE FACE OF THE WEST ABUTMENT IS NOT SHOWN AND WILL BE PERMANENTLY REMOVED BY IDOT PRIOR TO THE START OF CONSTRUCTION.

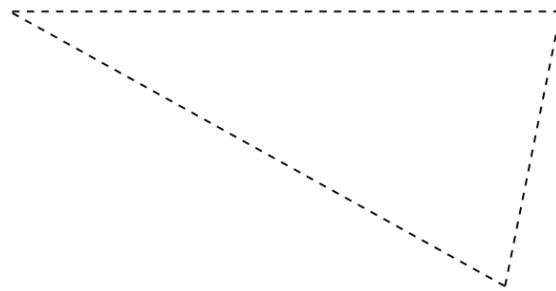
FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EAST ABUTMENT REPAIR DETAILS SN 001-0047			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\OPERATIONS\Bridges\Bridgplans\CAD\72J60 - 0010047 substructure repair\plansheet.d	DRAWN -	REVISED -	REVISED -					172	(1-5) BRR, BJR	ADAMS	6	5
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 72J60				
	PLOT DATE = 12/13/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



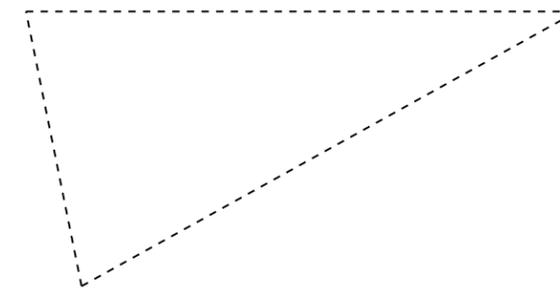
PLAN



ELEVATION (LOOKING WEST)



SOUTH CURTAIN WALL ELEVATION
(LOOKING NORTH)



NORTH CURTAIN WALL ELEVATION
(LOOKING SOUTH)



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

NOTE:

EXISTING ELECTRICAL CONDUIT WHICH INTERFERES WITH CONCRETE REPAIRS SHALL BE DETACHED FROM THE ABUTMENT AND TEMPORARILY SUPPORTED WHILE REPAIRS ARE UNDERTAKEN. UPON COMPLETION OF THE REPAIRS, THE CONDUIT SHALL BE RE-ATTACHED TO THE ABUTMENT TO THE SATISFACTION OF THE ENGINEER. ANY NEW FASTENERS OR HARDWARE REQUIRED SHALL BE APPROVED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS NOTE SHALL BE INCLUDED IN THE BID PRICE FOR STRUCTURAL REPAIR OF CONCRETE.

EXISTING CONDUIT ON THE FACE OF THE WEST ABUTMENT IS NOT SHOWN AND WILL BE PERMANENTLY REMOVED BY IDOT PRIOR TO THE START OF CONSTRUCTION.

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
D:\OPERATIONS\Bridges\Bridgplans.CAD\72J60 - 0010047 substructure repair\plansheet.d		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT REPAIR DETAILS
SN 001-0047

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172	(1-5) BRR, BJR	ADAMS	6	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72J60	