

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

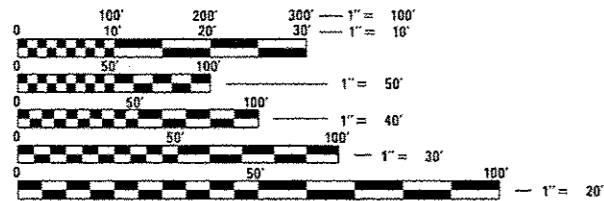
**PROPOSED  
HIGHWAY PLANS**

FAS ROUTE 735 (SHIPMAN BLACKTOP)  
SECTION (7) BDR  
PROJECT STP-0735(113)  
BRIDGE DECK PATCHING  
MACOUPIN COUNTY

D-96-033-17

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
735	(7) BDR	MACOUPIN	8	1
		ILLINOIS	CONTRACT NO. 72J69	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

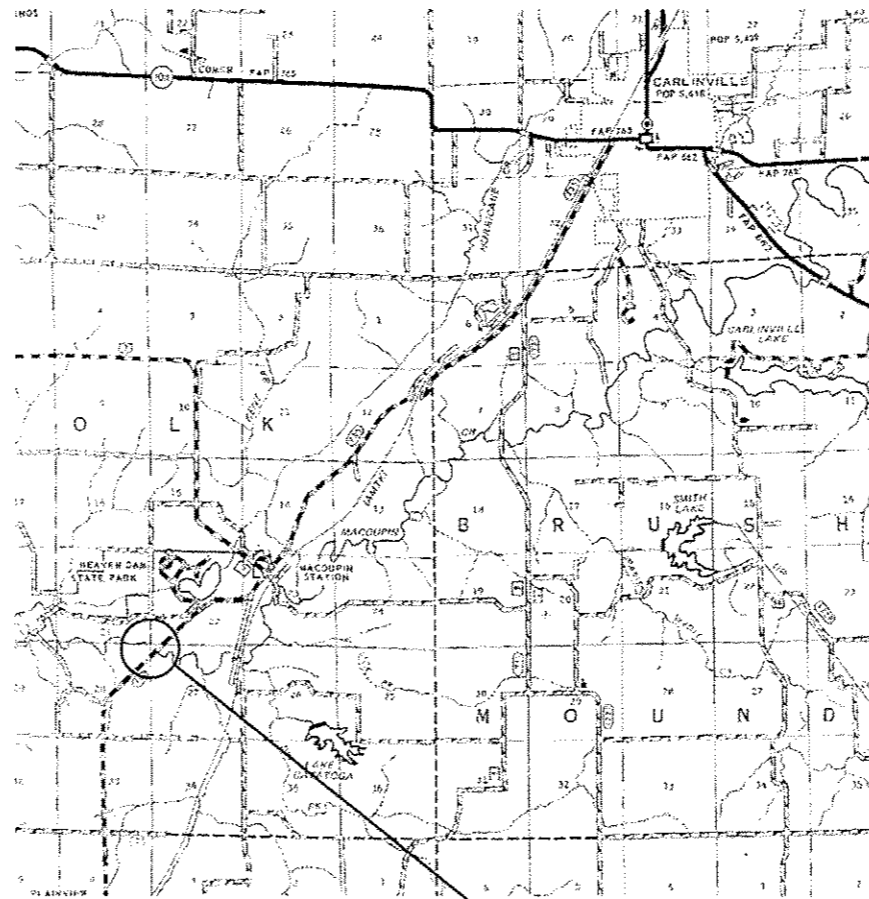


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 72J69



PROJECT LOCATION: SN 059-0049  
SHIPMAN BLACKTOP OVER MACOUPIN CREEK  
7.7 MI N of IL 16

NET LENGTH = 280 FT = 0.053 MILE



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 20 March 2017  
[Signature] REGION FOUR ENGINEER

May 12 2017  
Marneen M. Addis, PE  
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017  
[Signature] 2  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, & SUMMARY OF QUANTITIES
- 3 TYPICAL SECTIONS
- 4 ROADWAY PLAN
- 5 STAGING DETAIL
- 6 TRAFFIC CONTROL PLAN
- 7 BRIDGE PLAN AND ELEVATIONS
- 8 PATCHING PLAN

GENERAL NOTES:

HIGHWAY STANDARDS

- 000001-06
- 001006
- 701001-02
- 701006-05
- 701201-04
- 701301-04
- 701316-11
- 701326-04
- 701901-06

6-01019-0000
80% FEDERAL 20% STATE
BRIDGE
0014
RURAL

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

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EXAMINED March 6th 20 17  
*John C. W. [Signature]*  
ENGINEER OF OPERATIONS

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EXAMINED March 16 20 17  
*[Signature]*  
ENGINEER OF PROJECT IMPLEMENTATION

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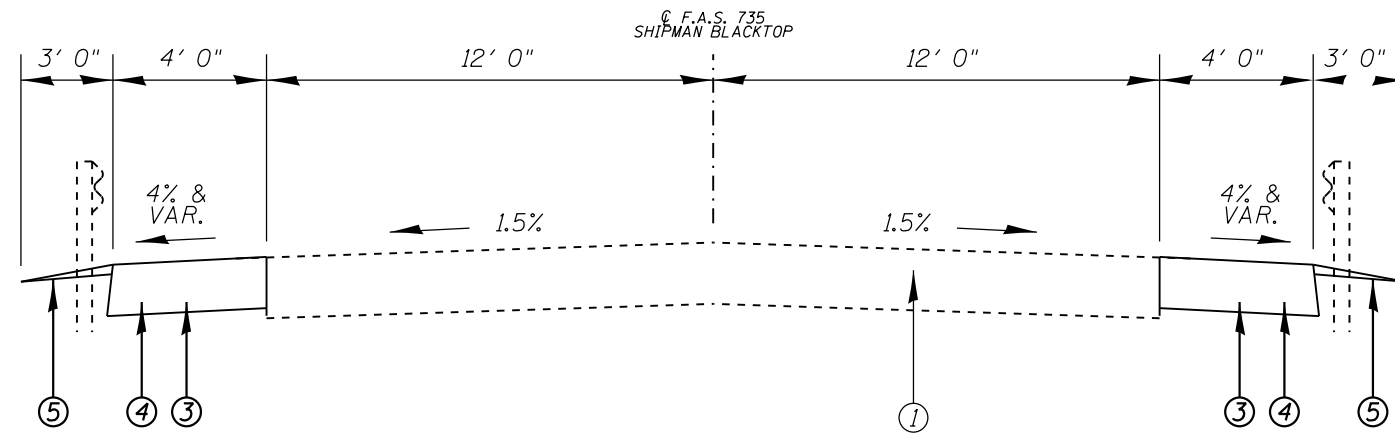
EXAMINED March 13 20 17  
*[Signature]*  
ENGINEER OF PROGRAM DEVELOPMENT

MIXTURE USE(S)	HMA BASE CSE WIDENING *	HMA SURFACE CSE
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICTION AGGREGATE	N/A	MIX "D"
QUALITY MANAGEMENT	OC/OA	OC/OA
SUBLOT SIZE	N/A	N/A

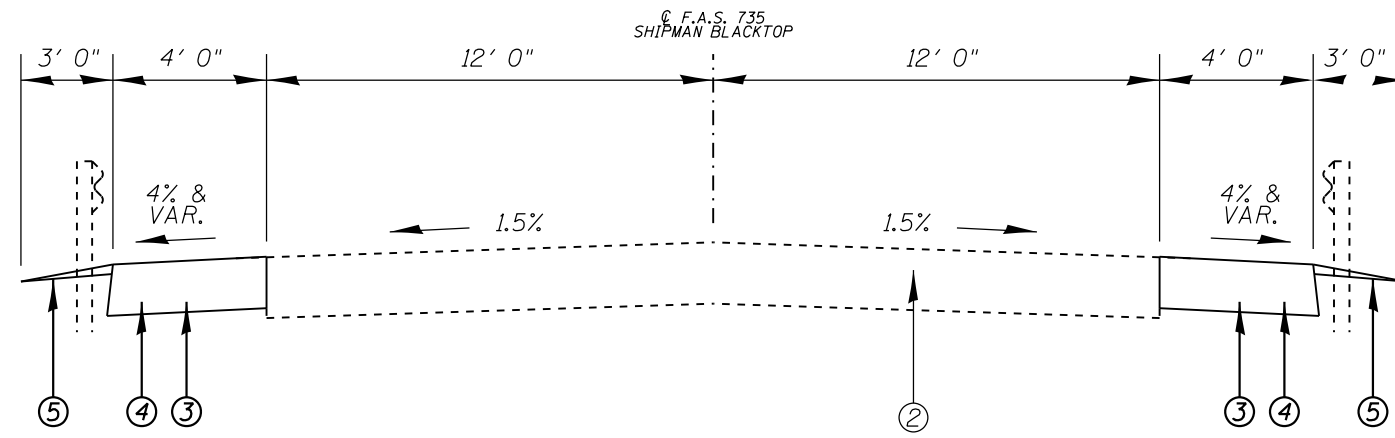
\* BASE COURSE PAY ITEM ALLOWS FOR HMA OR PCC USE.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-01019-0000	
				BRIDGE	RURAL
20200500	EARTH EXCAVATION (WIDENING)	CU YD	56		56
35650300	BASE COURSE WIDENING, 8"	SO YD	250		250
48102100	AGGREGATE WEDGE SHLD, TYPE B	TON	11		11
67100100	MOBILIZATION	L SUM	1		1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6		6
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1		1
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	10		10
Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	150		150

12



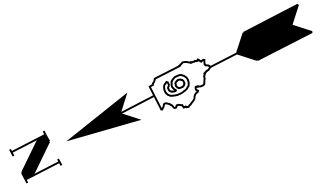
STA 380+24 TO STA 380+73  
 STA 386+74 TO STA 387+35



STA 380+73 TO STA 381+58  
 STA 381+58 TO STA 385+88 - NO ROADWAY IMPROVEMENTS  
 STA 385+88 TO STA 386+74

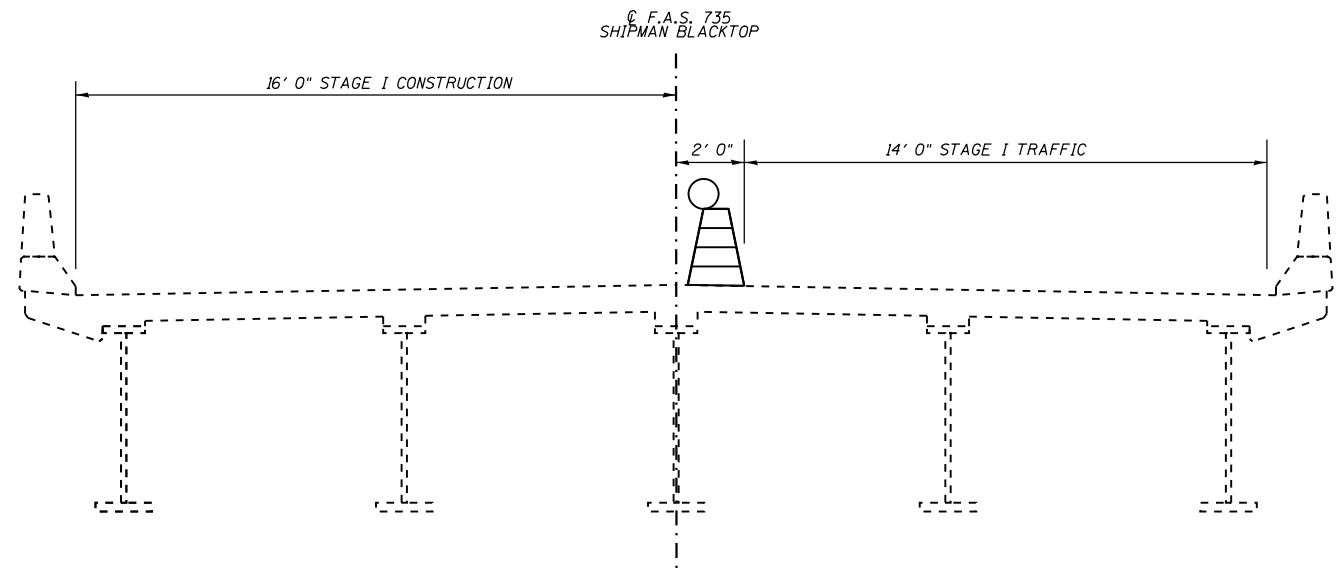
- ① EXISTING HMA PAVEMENT, ±12"
- ② EXISTING PCC PAVEMENT, ±8"
- ③ PROPOSED BASE COURSE WIDENING, 8"
- ④ PROPOSED EARTH EXCAVATION (WIDENING)
- ⑤ PROPOSED AGGREGATE WEDGE SHOULDERS

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS SN 059-0049</b>				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\OPERATIONS\Bridges\Bridgplans\CAD\72J69 - 0590049 patching\plansheet.dgn		DRAWN -	REVISED -		735	(7) BDR	MACOUPIN	8	3				
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72J69								
	PLOT DATE = 3/21/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

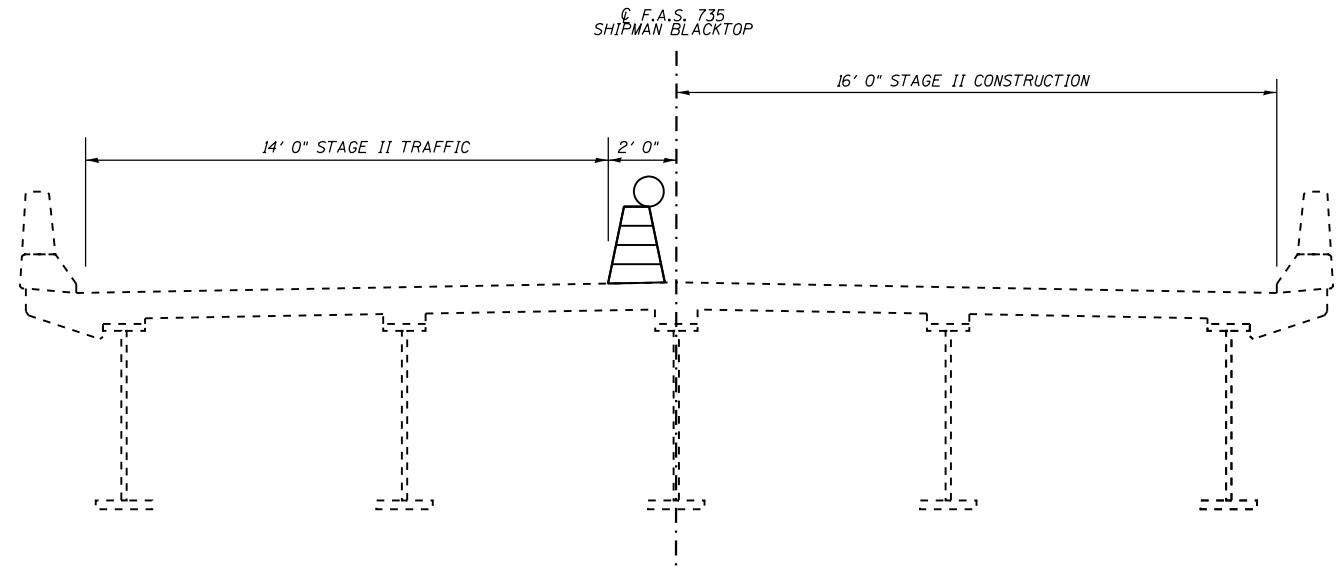


ROADWAY PLAN

FILE NAME = D:\OPERATIONS\Bridges\Bridgplans\CAD\72	USER NAME = dudleybm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN SN 059-0049</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	769 - 0590049 patching\plansheet.dgn	DRAWN -	REVISED -					735	(7) BDR	MACOUPIN	8	4
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.			CONTRACT NO. 72J69				
	PLOT DATE = 3/21/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



**STAGE I CROSS SECTION**  
(Looking South-West)



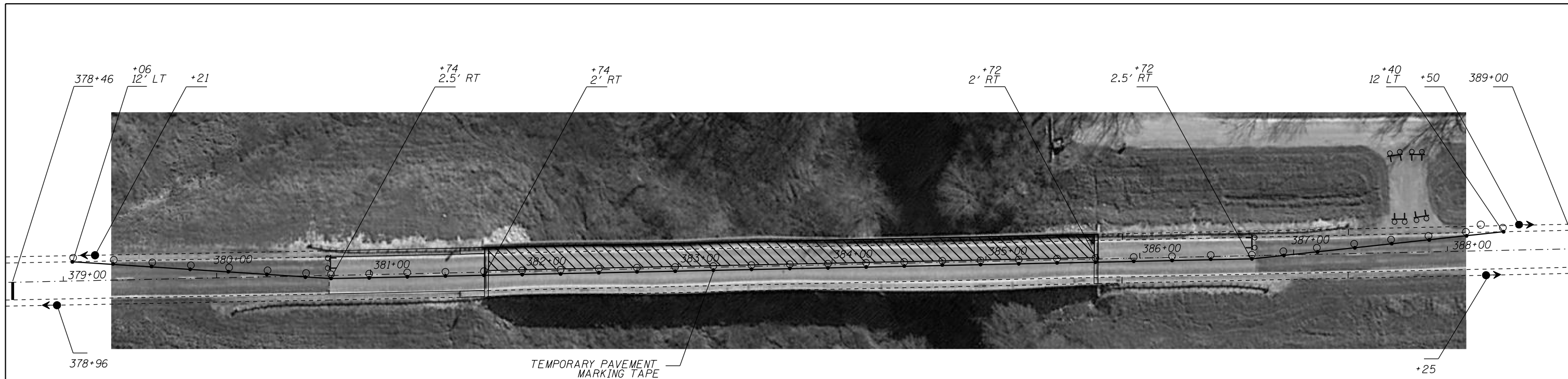
**STAGE II CROSS SECTION**  
(Looking South-West)

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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2017	DATE -	REVISED -

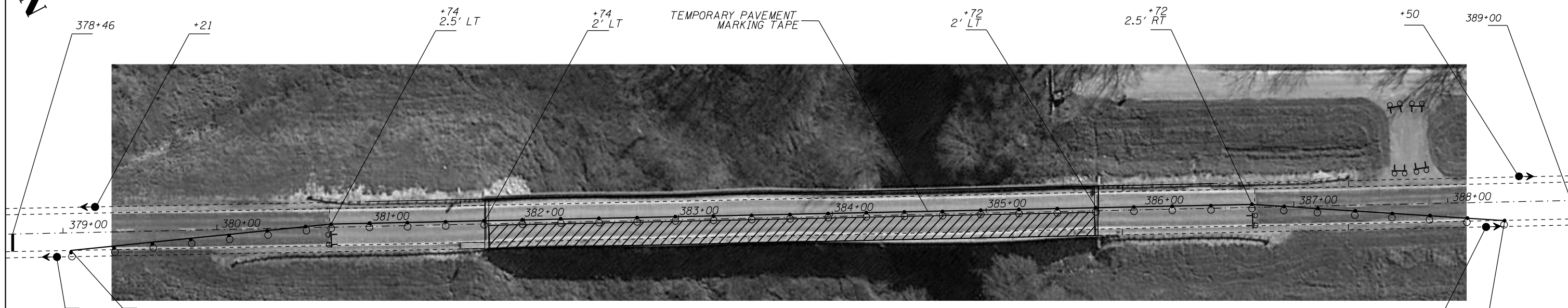
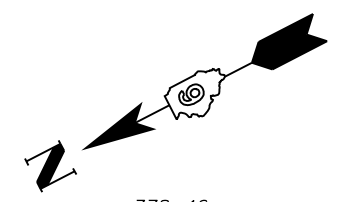
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGING DETAIL SN 059-0049</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
735	(7) BDR	MACOUPIN	8	5
CONTRACT NO. 72J69				
ILLINOIS FED. AID PROJECT				

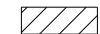






STAGE I TRAFFIC CONTROL PLAN



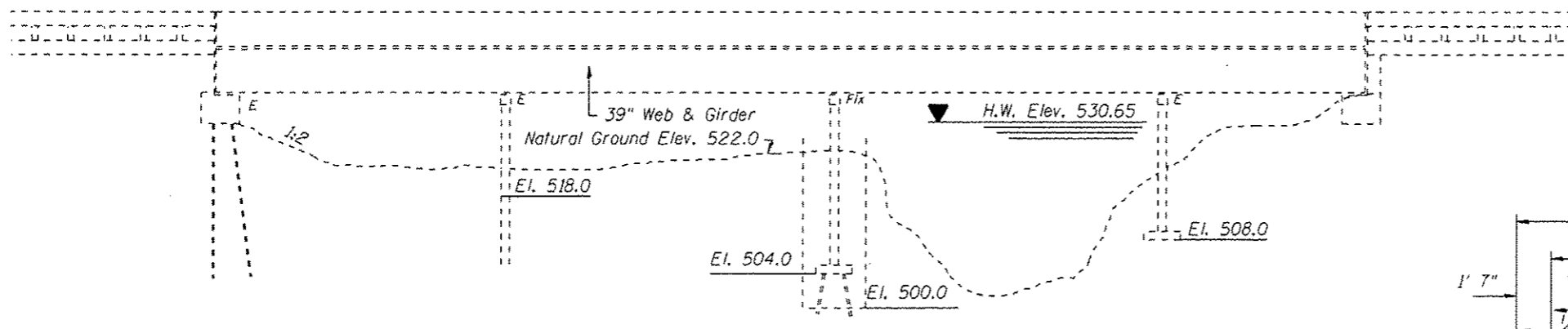
STAGE II TRAFFIC CONTROL PLAN

**SYMBOLS**

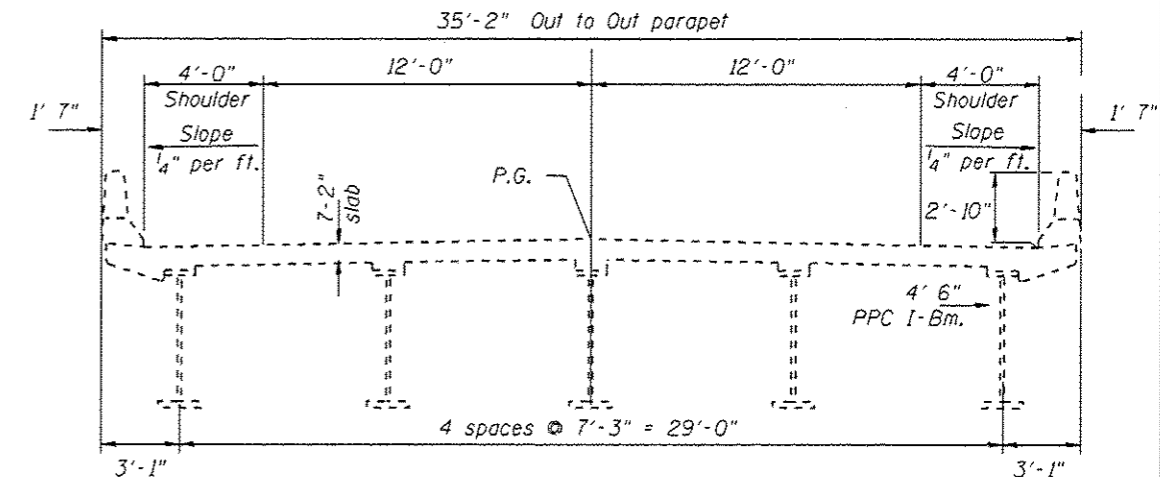
-  WORK AREA
-  SIGN
-  TRAFFIC SIGNAL
-  DRUM WITH STEADY BURNING LIGHT
-  TYPE III BARRICADE WITH FLASHING LIGHTS

**NOTE:**  
 SIGNS AND TRAFFIC CONTROL DEVICES NOT SHOWN IN THIS DETAIL SHALL CONFORM TO STANDARD 701316.  
 RUMBLE STRIPS WILL BE REQUIRED PER STANDARD 701316. PLACEMENT WILL BE AS DIRECTED BY THE ENGINEER.

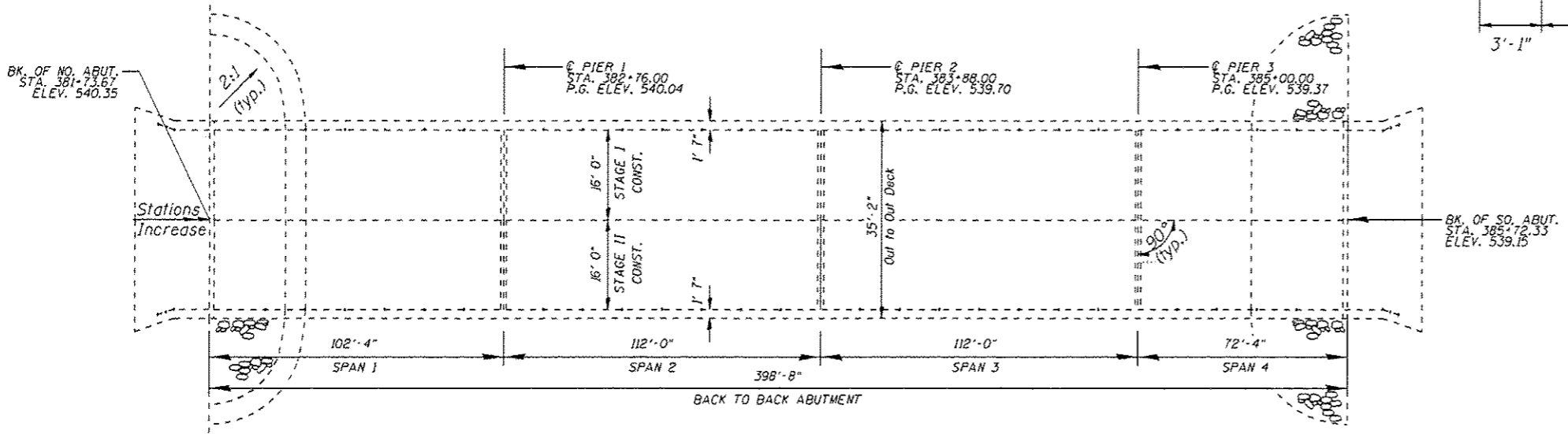
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	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -						735	(7) BDR	MACOUPIN	8	6
Default	PLOT DATE = 3/21/2017	CHECKED -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 72J69 ILLINOIS FED. AID PROJECT					



ELEVATION



CROSS SECTION  
(Looking South-West)



PLAN



*David Carl Puzey* 5/8/17  
Expires 1/30/18

GENERAL NOTES:

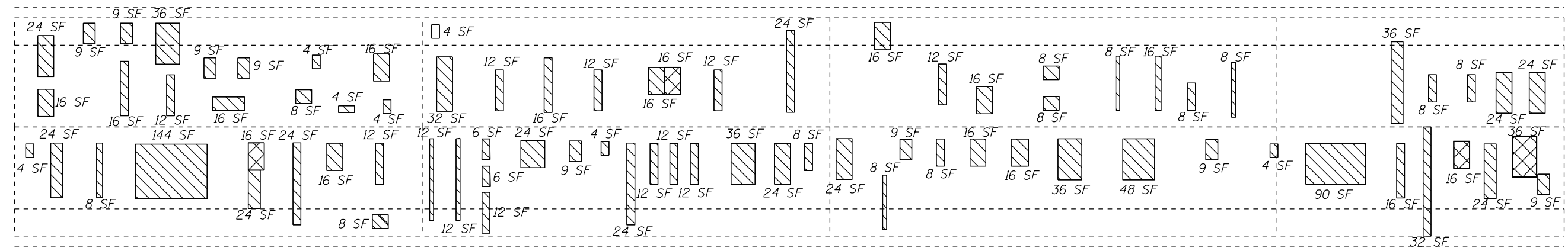
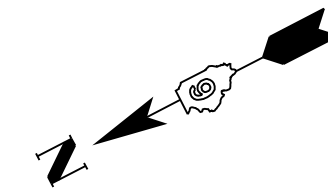
PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE MILL SCALE AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT 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.

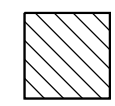
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

BILL OF MATERIAL		
ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	150
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10

FILE NAME: D:\OPERATIONS\Bridges\Bridgplans_040717\769 - 0590049 patching\plansheet.dgn	USER NAME: dudleygm	DESIGNED: HB	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE PLAN & ELEVATIONS SN 059-0049	F.A.P. RTE: 735	SECTION: (7) BDR	COUNTY: MACOUPIN	TOTAL SHEETS: 8	SHEET NO.: 7	
Default	PLOT SCALE: 1/8" = 1'-0"	CHECKED: BMD	REVISED:			SCALE: SHEET 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 72J69		ILLINOIS FED. AID PROJECT	

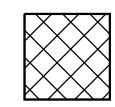


PLAN



PROPOSED PARTIAL DEPTH REPAIRS

PATCHING SURVEY: 12/2016



ANTICIPATED FULL DEPTH REPAIRS

GENERAL NOTES:

1. THE PATCH SIZES AND LOCATIONS SHOWN ON THE PLAN SHEETS ARE ESTIMATED. THE FINAL PATCH LOCATIONS SHALL BE DETERMINATED BY THE ENGINEER IN THE FIELD.
2. THE ENGINEER MAY ELECT TO DELETE FULL DEPTH PATCHES IF SOUND CONCRETE IS ENCOUNTERED.
3. THE CONTRACTOR SHALL COVER FULL DEPTH PATCHES WITH STEEL PLATES WHEN LEFT OPEN OVERNIGHT.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	150
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10

FILE NAME =	USER NAME = dudleybm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PATCHING PLAN  
SN 059-0049

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
735	(7) BDR	MACOUPIN	8	8
			CONTRACT NO. 7269	
ILLINOIS FED. AID PROJECT				