

061

04-24-2020 LETTING ITEM 061

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608, 107)BDR-1,BJR-1 (125)BDR,BJR		MACOUPIN	15	1
CONTRACT NO. 72L69				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

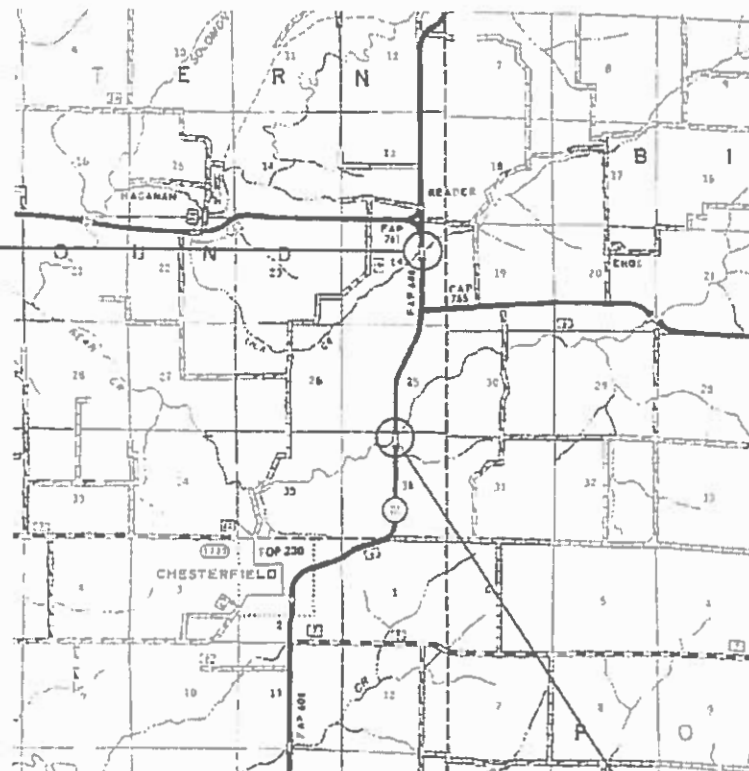
PROPOSED CONTRACT MAINTENANCE

FAP ROUTE 608 (IL 108, IL 111)
SECTION (107)BDR-1,BJR-1 (125)BDR,BJR
BRIDGE DECK PATCHING
BRIDGE JOINT REPAIR
MACOUPIN COUNTY

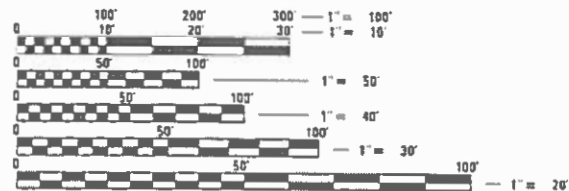
C-96-058-20



LOCATION #1:
SN 059-0013
IL 111 OVER LICK CREEK
LAT. 39.300686008
LONG. -90.041187072



LOCATION #2:
SN 059-0014
IL 111 OVER BEAR CREEK
LAT. 39.275017091
LONG. -90.045680364



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
DESIGNER: FRANKLIN J. CARABALLO (217) 524-5010

CONTRACT NO. 72L69

GROSS LENGTH = 9900 FT. = 1.88 MILE
NET LENGTH = 330 FT. = 0.06 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 30, 2020

[Signature] REGIONAL ENGINEER

[Signature] ENGINEERS OF DESIGN AND ENVIRONMENT

[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS:

- 1 COVER SHEET
- 2 INDEX OF SHEETS
- 3 SUMMARY OF QUANTITIES
- 4-5 TRAFFIC STAGING PLANS
- 6-9 TRAFFIC CONTROL PLAN
- 10-12 SN 059-0013 BRIDGE PLANS
- 13-15 SN 059-0014 BRIDGE PLANS




HIGHWAY STANDARDS:

- 000001-07
- 001001-02
- 001006
- 701201-05
- 701301-04
- 701316-13
- 701001-02
- 701006-05
- 701901-08

GENERAL NOTES:

FULL DEPTH DECK REPAIRS SHALL BE COVERED WITH STEEL PLATES OVERNIGHT

AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	January 27 20 20
 ENGINEER OF OPERATIONS	
EXAMINED	January 27 20 20
 ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	January 27 20 20
 ENGINEER OF PROGRAM DEVELOPMENT	

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REV. - MS

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		DRAWN -	REVISED -			608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	2	
	PLOT SCALE = 90.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 72L69					
	PLOT DATE = 1/27/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:							
				SHEET OF SHEETS							
				STA. TO STA.							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02174-6031	
				SN 059-0013	SN 059-0014
				100% STATE	100% STATE
				BRIDGE	BRIDGE
				0047	0047
				MACOUPIN	MACOUPIN
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	50.0	0.0	50.0
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	2.0	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.5	0.5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2.0	1.0	1.0
70106700	TEMPORARY RUMBLE STRIPS	EACH	12.0	6.0	6.0
70107025	CHANGEABLE MESSAGE SIGNS	CAL DAY	180.0	90.0	90.0
X5930100	CONTROLLED LOW-STRENGTH MATERIAL (SPECIAL)	CU YD	3.0	0.0	3.0
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0	0.5	0.5
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	18.0	7.0	11.0
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	109.0	0.0	109.0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	2.0	2.0	0.0
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	67.0	33.0	34.0
Z0021907	SILICONE JOINT SEALER, 1.75"	FOOT	152.0	76.0	76.0
Z0032500	JOINT SEALING (PATCHES)	FOOT	930.0	370.0	560.0

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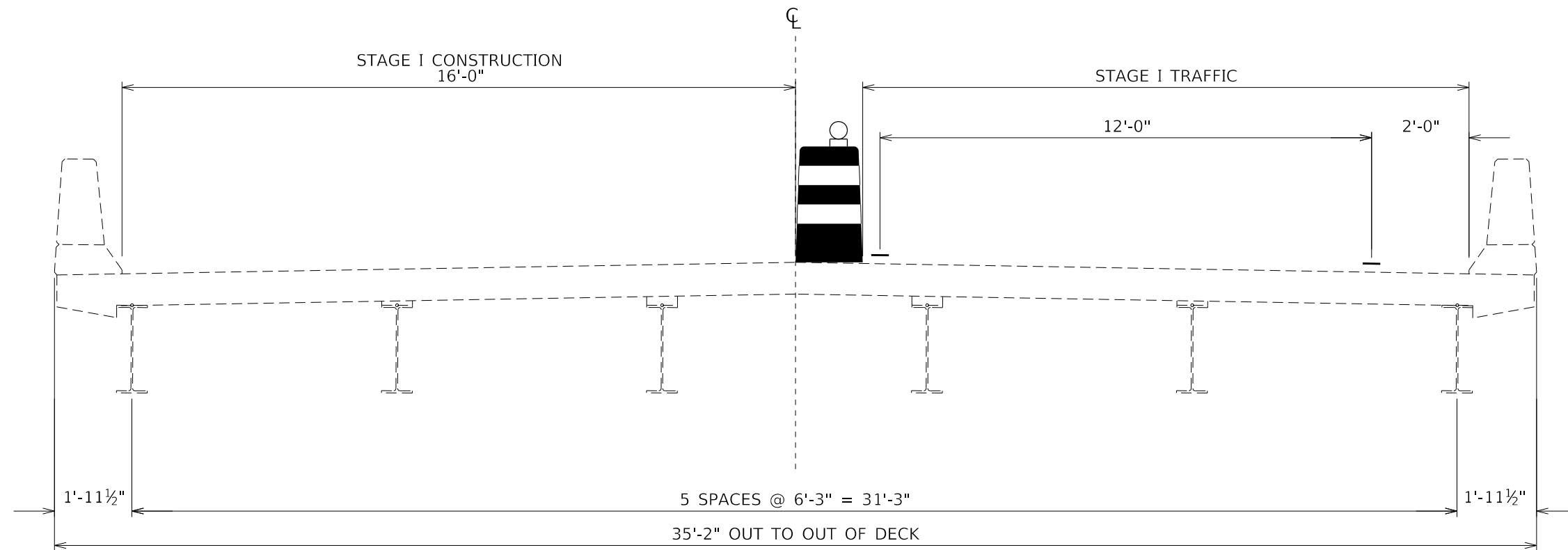
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

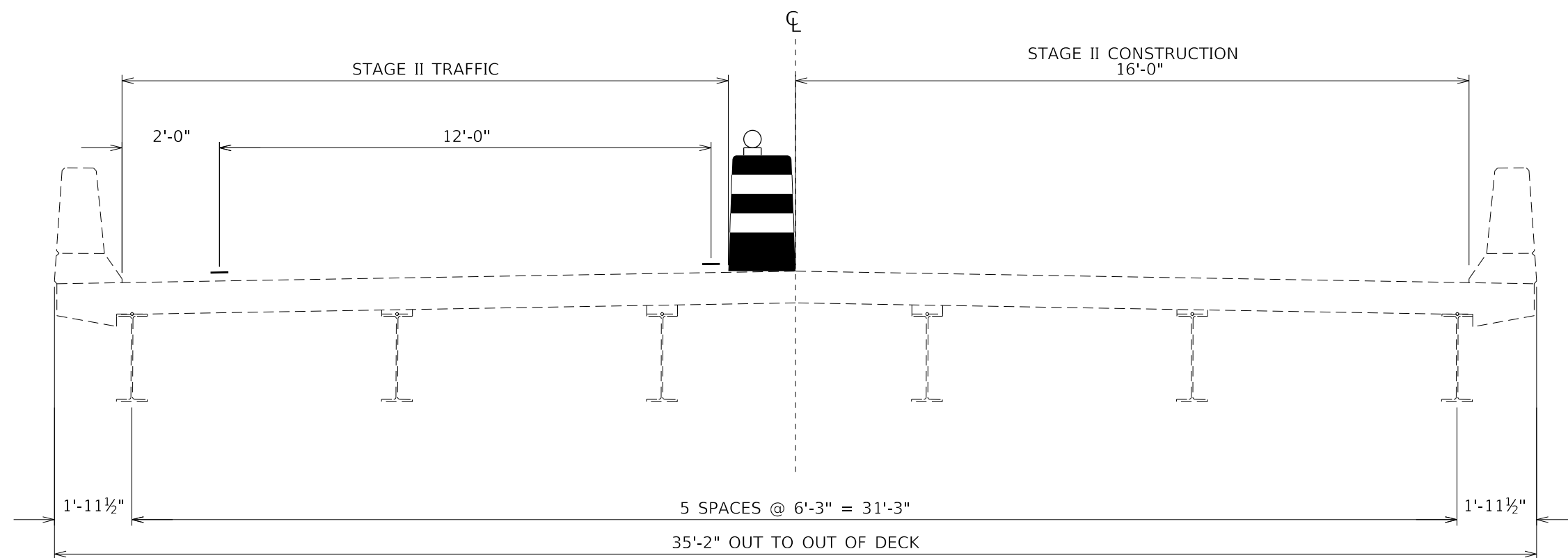
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	3
		72L69		
		ILLINOIS	FED. AID PROJECT	



STAGE I CROSS SECTION TYPICAL (LOOKING SOUTH)



STAGE II CROSS SECTION TYPICAL (LOOKING SOUTH)

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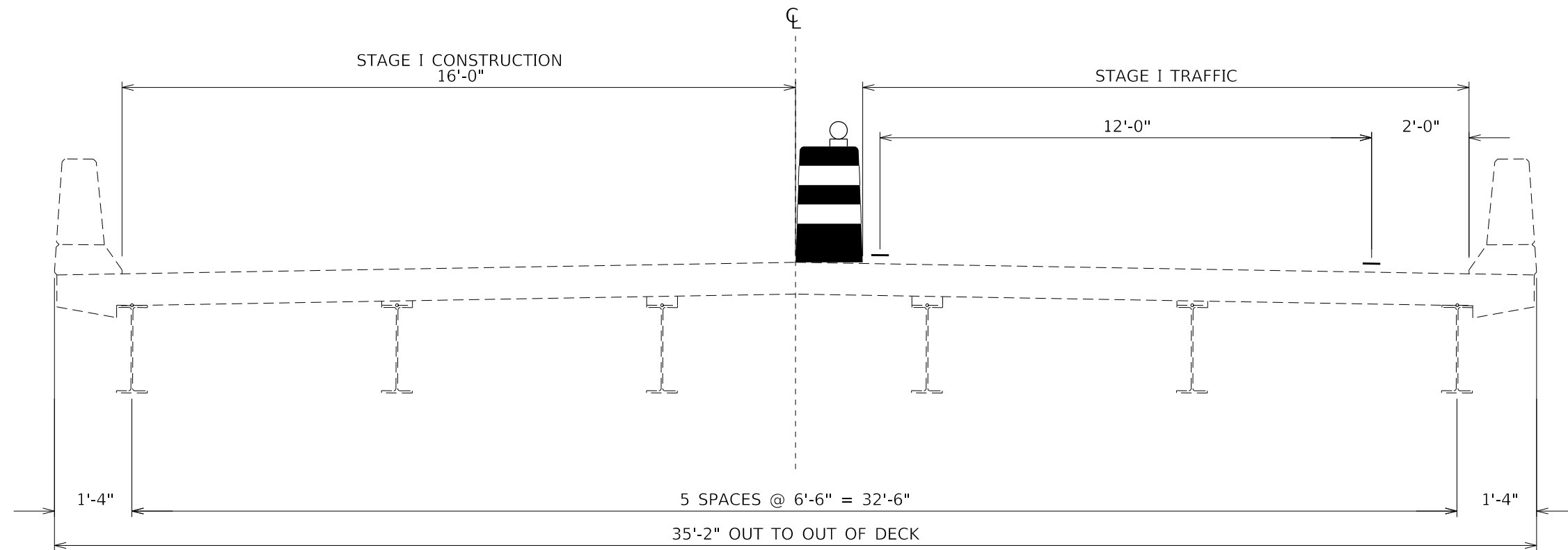
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

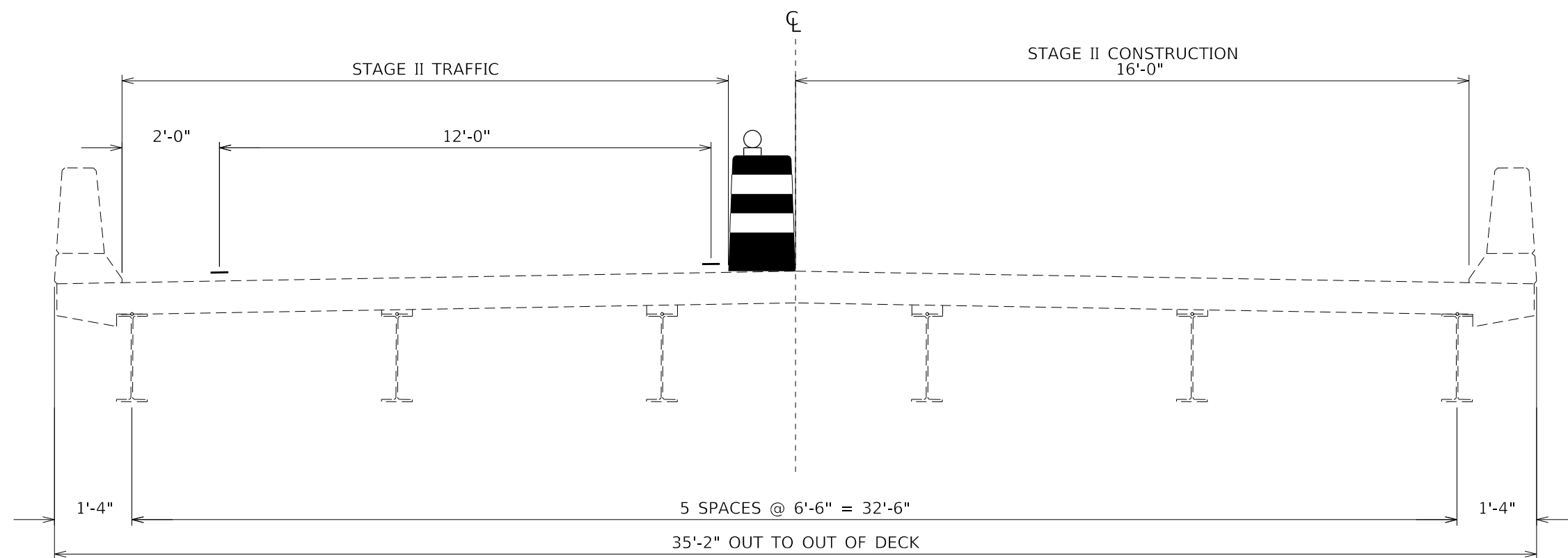
TRAFFIC STAGING
SN 059-0013

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



STAGE I CROSS SECTION TYPICAL (LOOKING SOUTH)



STAGE II CROSS SECTION TYPICAL (LOOKING SOUTH)

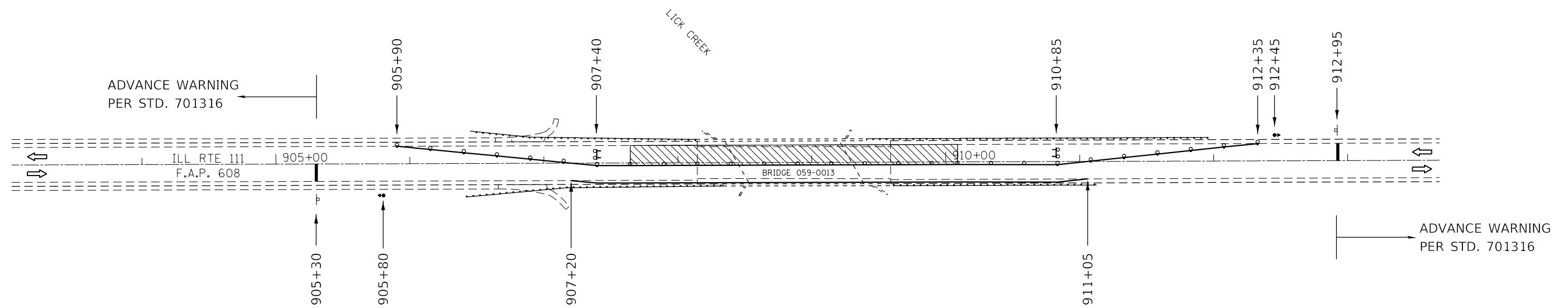
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




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING				
SN 059-0014				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

NOTES

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.

RUMBLE STRIPS SHOWN IN STANDARD 701316 WILL BE REQUIRED.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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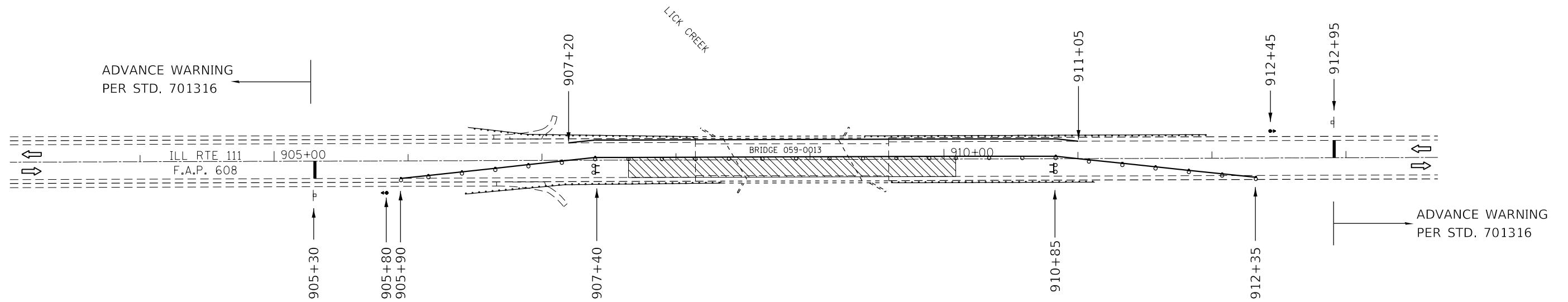
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

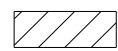





**TRAFFIC CONTROL PLAN - STAGE I
SN 059-0013**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

NOTES

- TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.
- RUMBLE STRIPS SHOWN IN STANDARD 701316 WILL BE REQUIRED.
- REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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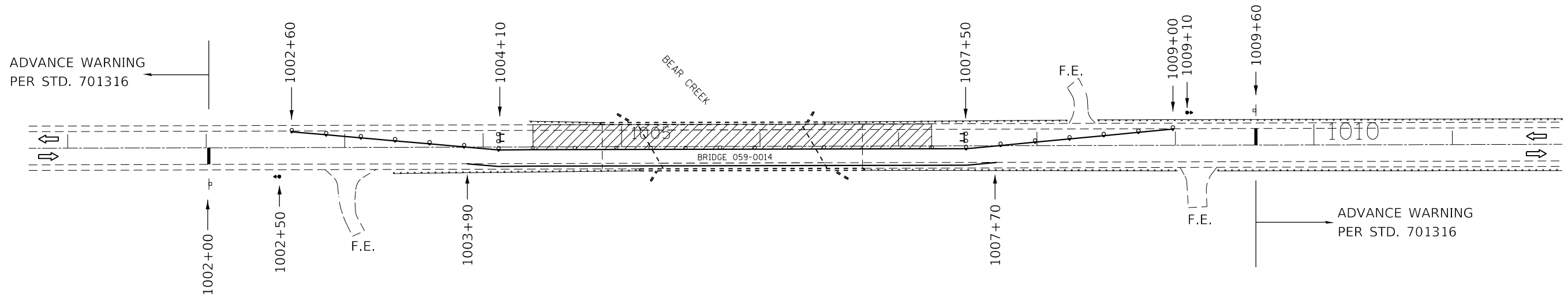
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN - STAGE II
SN 059-0013

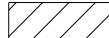





SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	7
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 72L69



SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

NOTES

TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.

RUMBLE STRIPS SHOWN IN STANDARD 701316 WILL BE REQUIRED.

REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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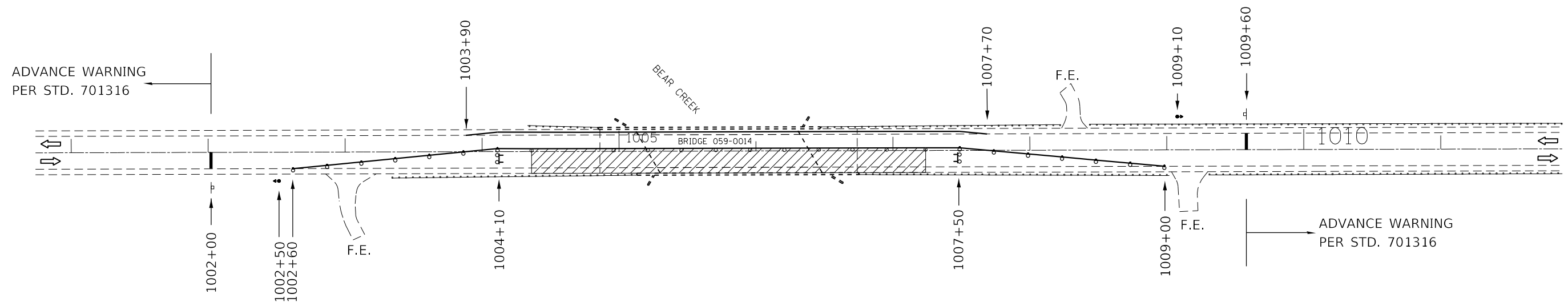
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

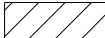





**TRAFFIC CONTROL PLAN - STAGE I
SN 059-0014**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



SYMBOLS

-  Work area
-  Sign
-  Traffic signal
-  Drum with steady burn bi-directional light
-  Type III barricade with flashing lights
-  Drum

NOTES

- TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701316 AND AS SHOWN ON THIS SHEET.
- RUMBLE STRIPS SHOWN IN STANDARD 701316 WILL BE REQUIRED.
- REMOVAL OF EXISTING PAVEMENT MARKINGS WILL NOT BE REQUIRED.

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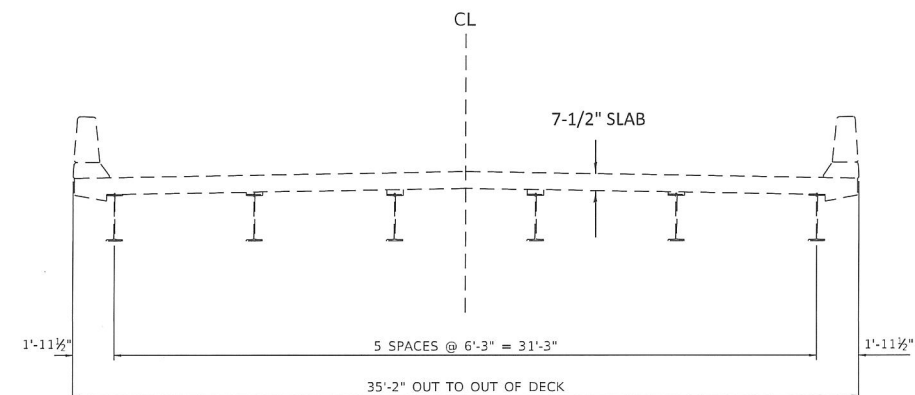
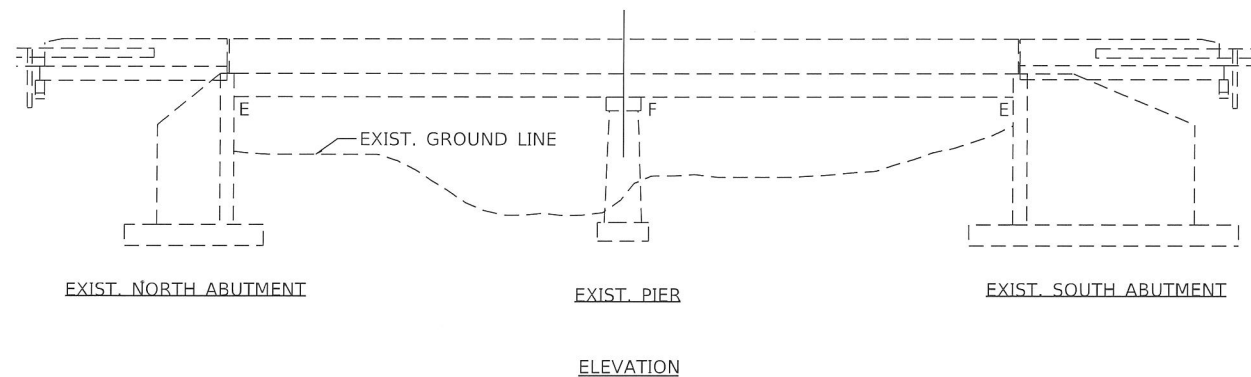
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

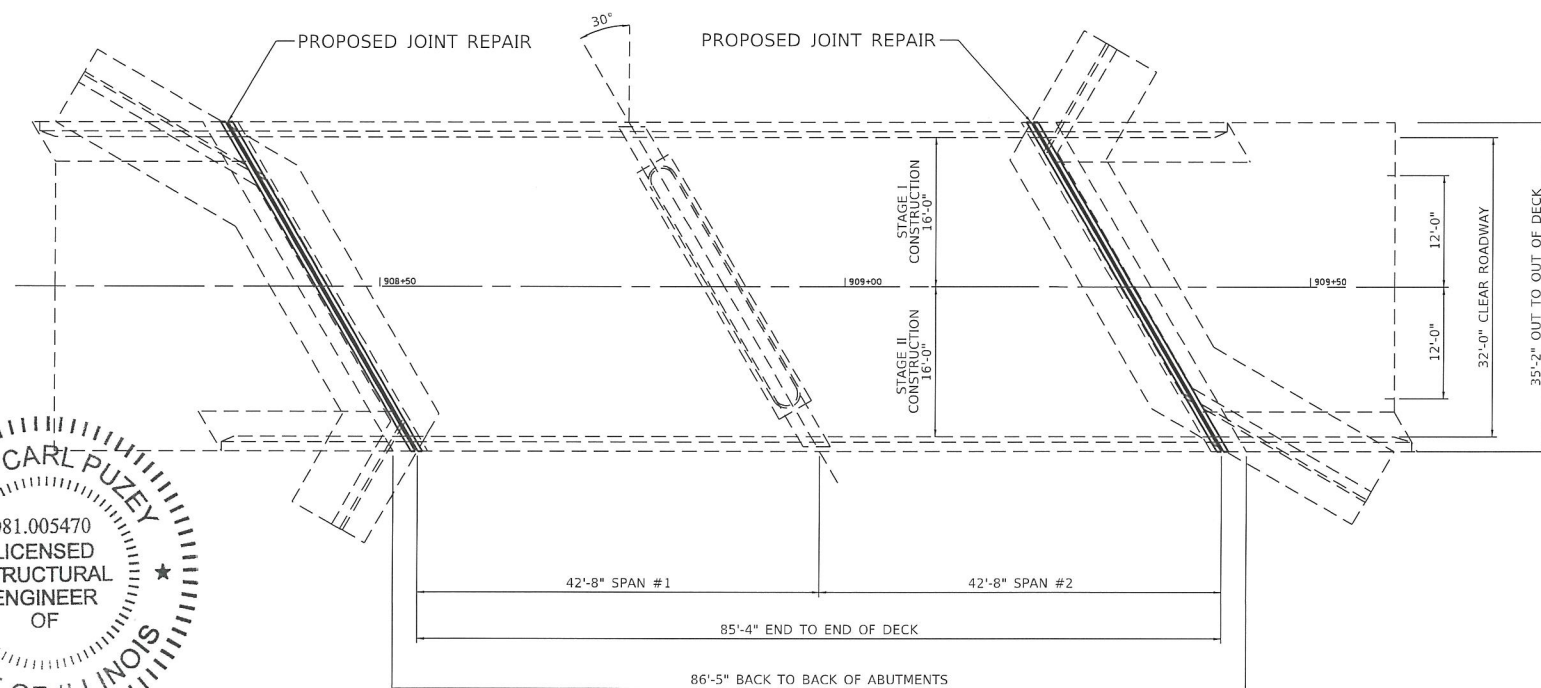
TRAFFIC CONTROL PLAN - STAGE II
SN 059-0014

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



CROSS SECTION

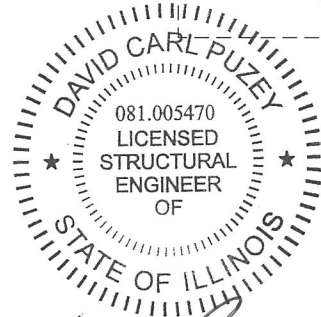


PLAN

BILL OF MATERIAL - SN 059-0013		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	7.0
DECK SLAB REPAIR (FULL DEPTH TY II)	SQ YD	2.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	33.0
JOINT SEALING (PATCHES)	FOOT	370.0
SILICONE JOINT SEALER, 1.75"	FOOT	76

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 ADJUSTMENT PRIOR TO CONSTRUCTION OR ORDERING 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 3/23/2020
Expires 11/30/2020

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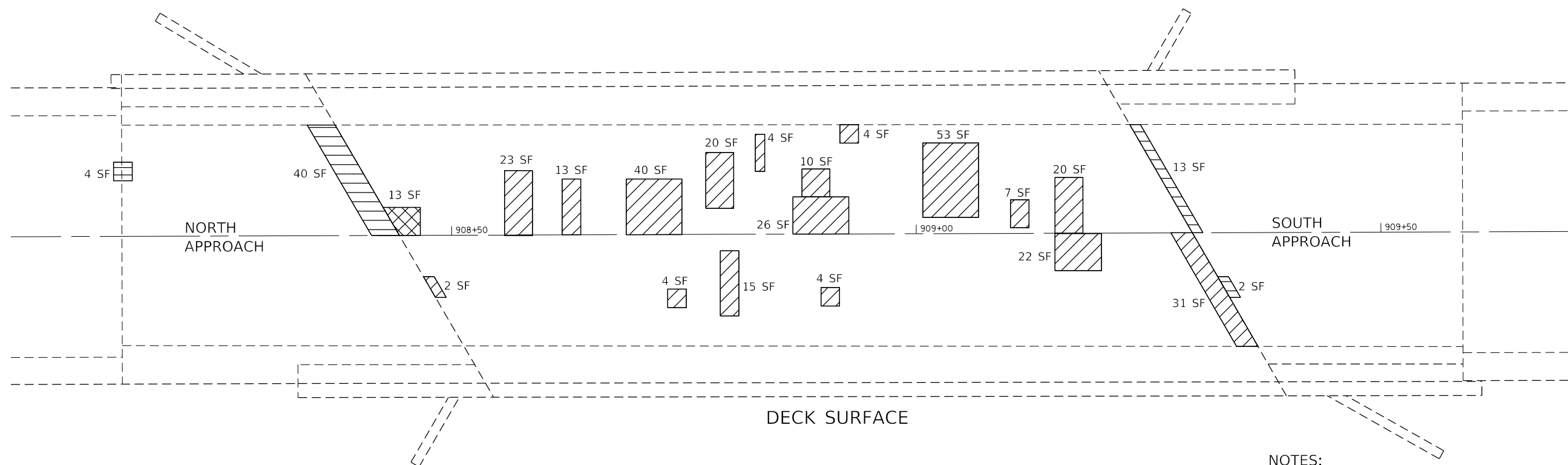
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	DATE - 1/27/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
SN 059-0013

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



SYMBOLS

- PARTIAL DEPTH SLAB REPAIR AREAS
- FULL DEPTH SLAB REPAIR AREAS
- APPROACH SLAB REPAIR AREAS

BILL OF MATERIAL - SN 059-0013		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL)	SQ YD	7.0
DECK SLAB REPAIR (FULL DEPTH TY II)	SQ YD	2.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	33.0
JOINT SEALING (PATCHES)	FOOT	370.0

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.
2. APPROACH SLAB REPAIRS FINAL HEIGHT SHALL MATCH EXISTING HMA OVERLAY TO PROVIDE SMOOTH SURFACE.
3. ALL PATCHES SHALL BE SEALED AROUND THEIR PERIMETER.
4. FULL DEPTH PATCHES SHALL BE COVERED WITH STEEL PLATES OVERNIGHT.
5. AREAS OF DECK REPAIRS ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

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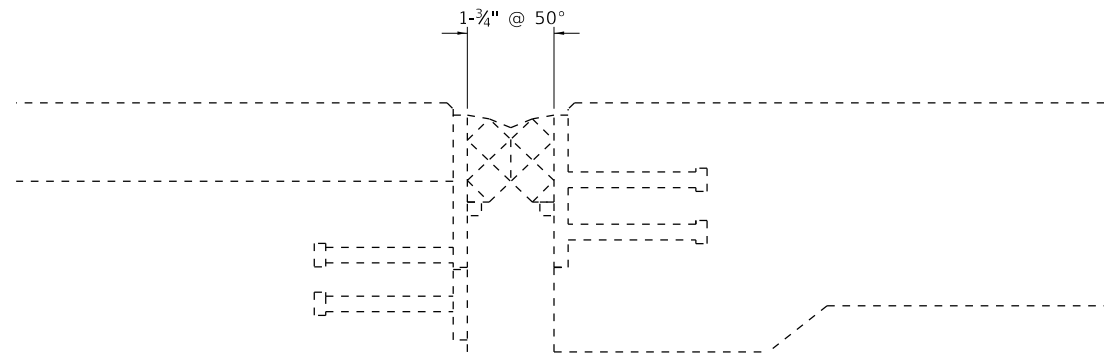
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

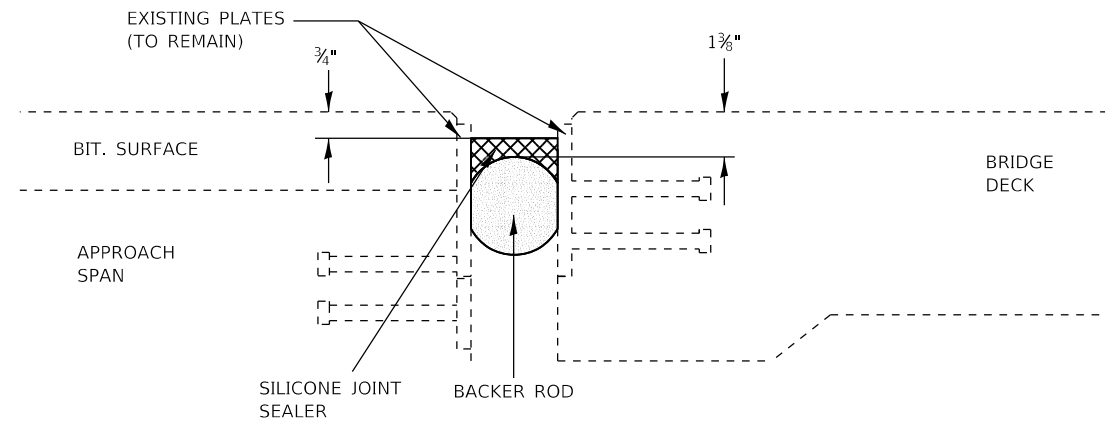
**DECK REPAIR PLAN
SN 059-0013**

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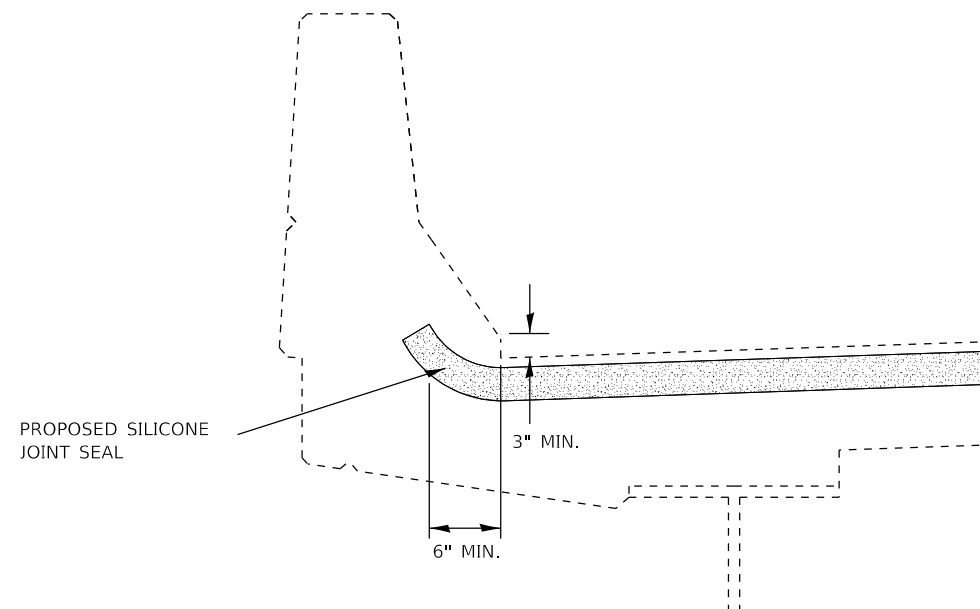
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608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



EXISTING:
TYPICAL JOINT CROSS SECTION:
PREFORMED JOINT SEALER (1 3/4")



PROPOSED:
TYPICAL JOINT CROSS SECTION:
SILICONE JOINT SEALER (1 3/4")



PROPOSED:
TYPICAL PARAPET CROSS SECTION:
SILICONE JOINT SEALER END TREATMENT

BILL OF MATERIAL - SN 059-0013		
ITEM	UNIT	TOTAL QUANTITY
SILICONE JOINT SEALER, 1.75"	FOOT	76

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.

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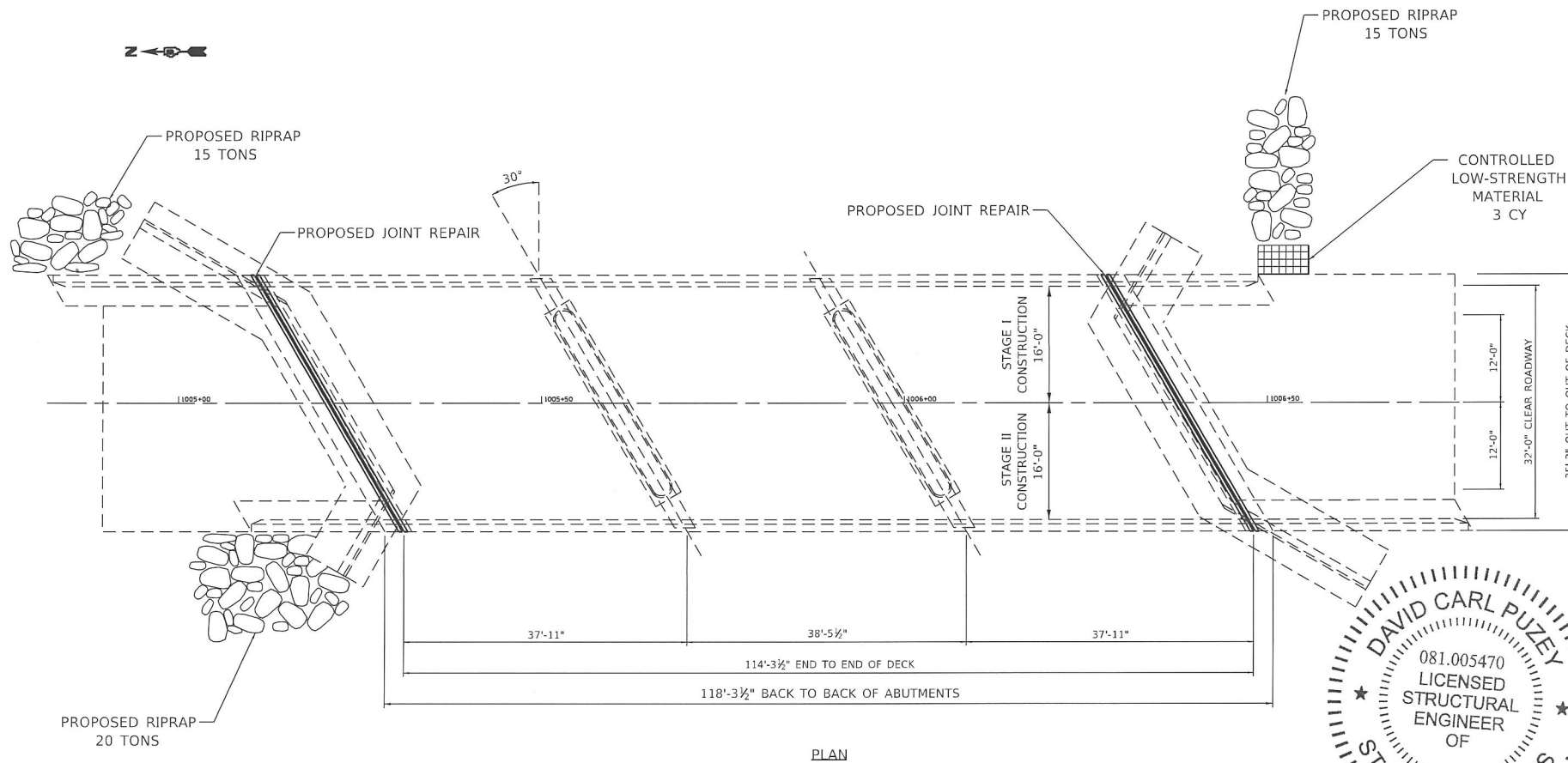
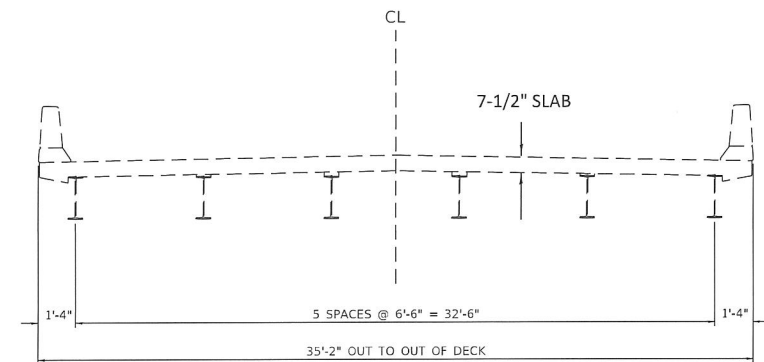
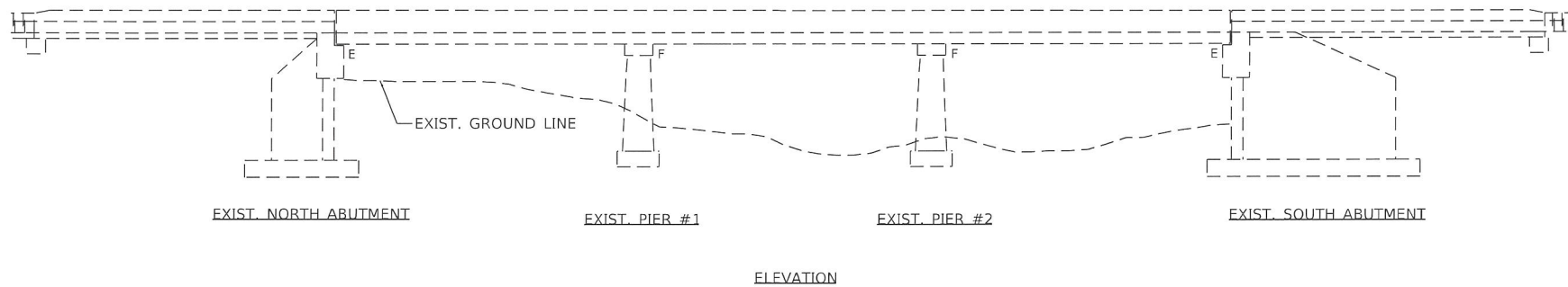
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

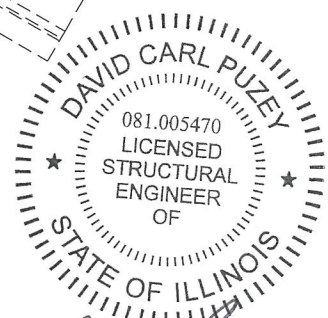
JOINT REPAIR DETAIL
SN 059-0013

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	12
CONTRACT NO. 72L69			ILLINOIS FED. AID PROJECT	



BILL OF MATERIAL - SN 059-0014		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	11.0
CONTROLLED LOW-STRENGTH MATERIAL	CU YD	3.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	34.0
JOINT SEALING (PATCHES)	FOOT	560.0
STRUCT REPAIR OF CONC (<= 5")	SQ FT	109.0
SILICONE JOINT SEALER, 1.75"	FOOT	76
STONE DUMPED RIPRAP, CLASS A3	TON	50.0



David Carl Puzey 3/23/2020
Expires 11/30/2020

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 ADJUSTMENT PRIOR TO CONSTRUCTION OR ORDERING 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.

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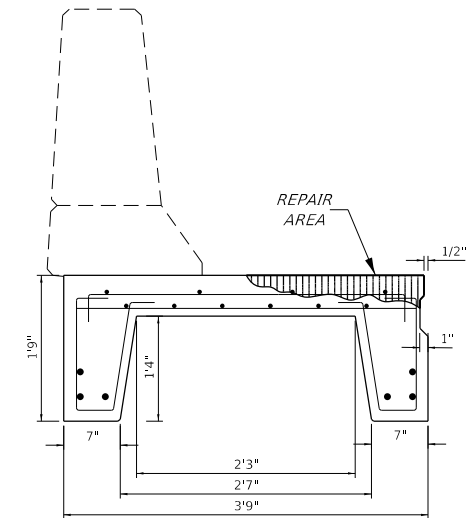
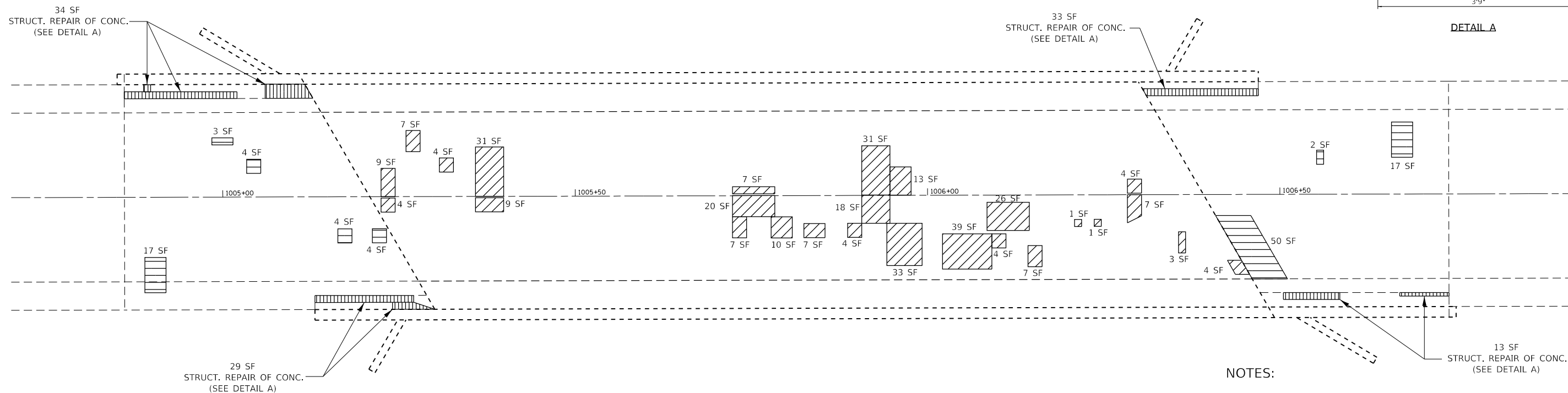
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





GENERAL PLAN & ELEVATION
SN 059-0014

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107 BDR-1,BJR-1(125) BDR,BJR	MACOUPIN	15	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



SYMBOLS

-  PARTIAL DEPTH SLAB REPAIR AREAS
-  APPROACH SLAB REPAIR AREAS
-  STRUCTURAL REPAIR OF CONCRETE AREAS
-  CONTROLLED LOW STRENGTH MATERIAL REPAIR AREA

BILL OF MATERIAL - SN 059-0014		
ITEM	UNIT	TOTAL QUANTITY
APPROACH SLAB REPAIR (PARTIAL)	SQ YD	11.0
CONTROLLED LOW-STRENGTH MATERIAL	CU YD	3.0
DECK SLAB REPAIR (PARTIAL)	SQ YD	34.0
JOINT SEALING (PATCHES)	FOOT	560.0
STRUCT REPAIR OF CONC (= \leq 5")	SQ FT	109.0

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.
2. APPROACH SLAB REPAIRS FINAL HEIGHT SHALL MATCH EXISTING HMA OVERLAY TO PROVIDE SMOOTH SURFACE.
3. ALL PATCHES SHALL BE SEALED AROUND THEIR PERIMETER, INCLUDING SHOULDER REPAIRS.
4. AREAS OF DECK REPAIRS ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.
5. THE CONTRACTOR SHALL USE EXTREME CARE DURING CONCRETE REMOVAL SO AS NOT TO DAMAGE THE PRECAST CONCRETE BRIDGE APPROACH SLABS.

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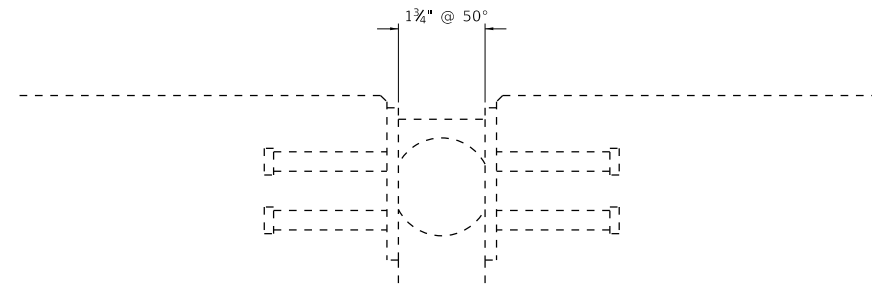
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

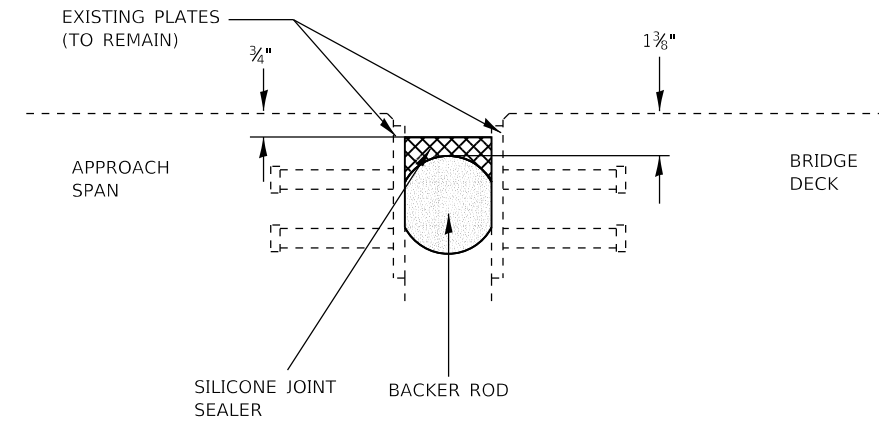
**DECK REPAIR PLAN
SN 059-0014**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

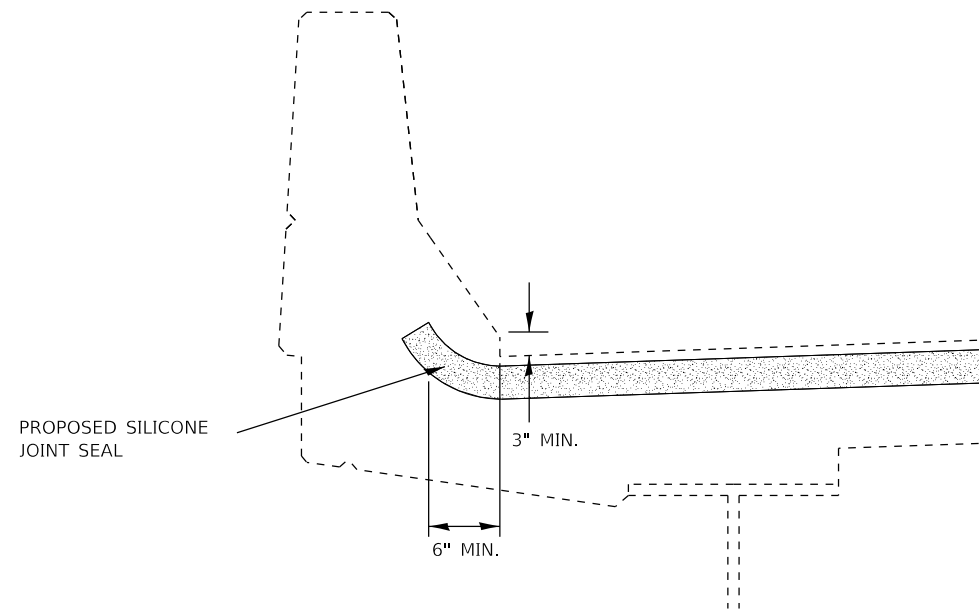
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107 BDR-1,BJR-1(125) BDR,BJR	MACOUPIN	15	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	



EXISTING:
TYPICAL JOINT CROSS SECTION:
SILICONE JOINT SEALER (1 3/4")



PROPOSED:
TYPICAL JOINT CROSS SECTION:
SILICONE JOINT SEALER (1 3/4")



PROPOSED:
TYPICAL PARAPET CROSS SECTION:
SILICONE JOINT SEALER END TREATMENT

BILL OF MATERIAL - SN 059-0014		
ITEM	UNIT	TOTAL QUANTITY
SILICONE JOINT SEALER ,1.75"	FOOT	76

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.

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REPAIR DETAIL
SN 059-0014

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
608	107)BDR-1,BJR-1(125)BDR,BJR	MACOUPIN	15	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L69	