

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

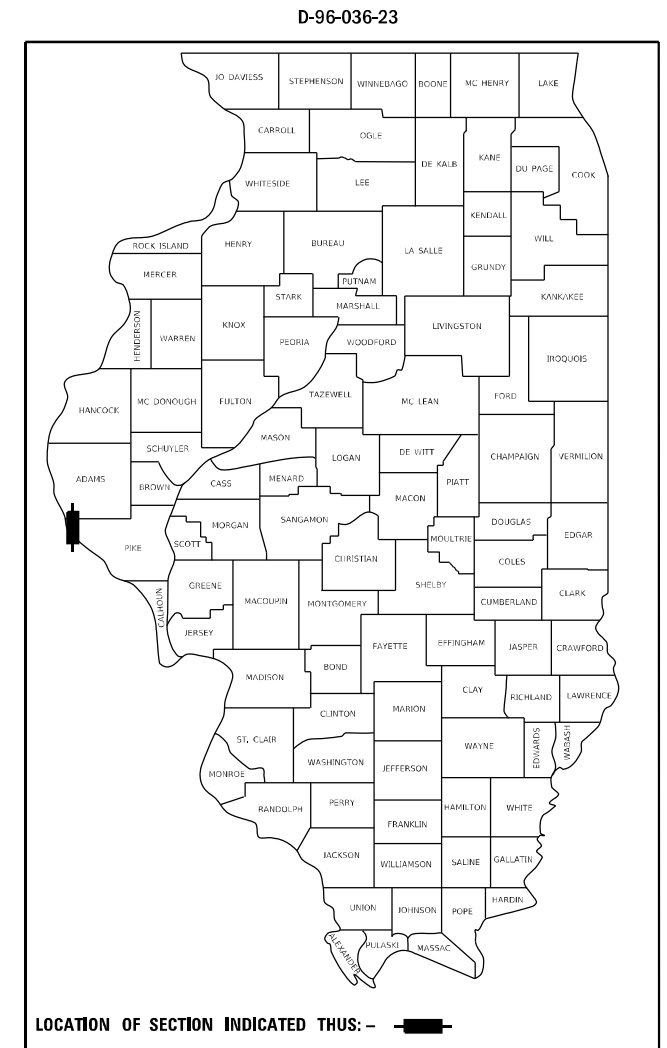
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-10HB)BDR,BJR	PIKE	9	1
		ILLINOIS	CONTRACT NO. 72712	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

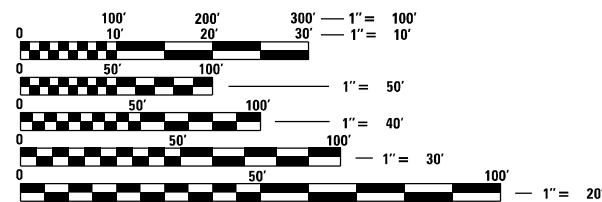
# PROPOSED CONTRACT MAINTENANCE

FAI ROUTE 72 (I-72)  
SECTION (75-10HB)BDR,BJR  
PROJECT (STATE ONLY)  
BRIDGE DECK REPAIRS  
PIKE COUNTY

C-96-081-23

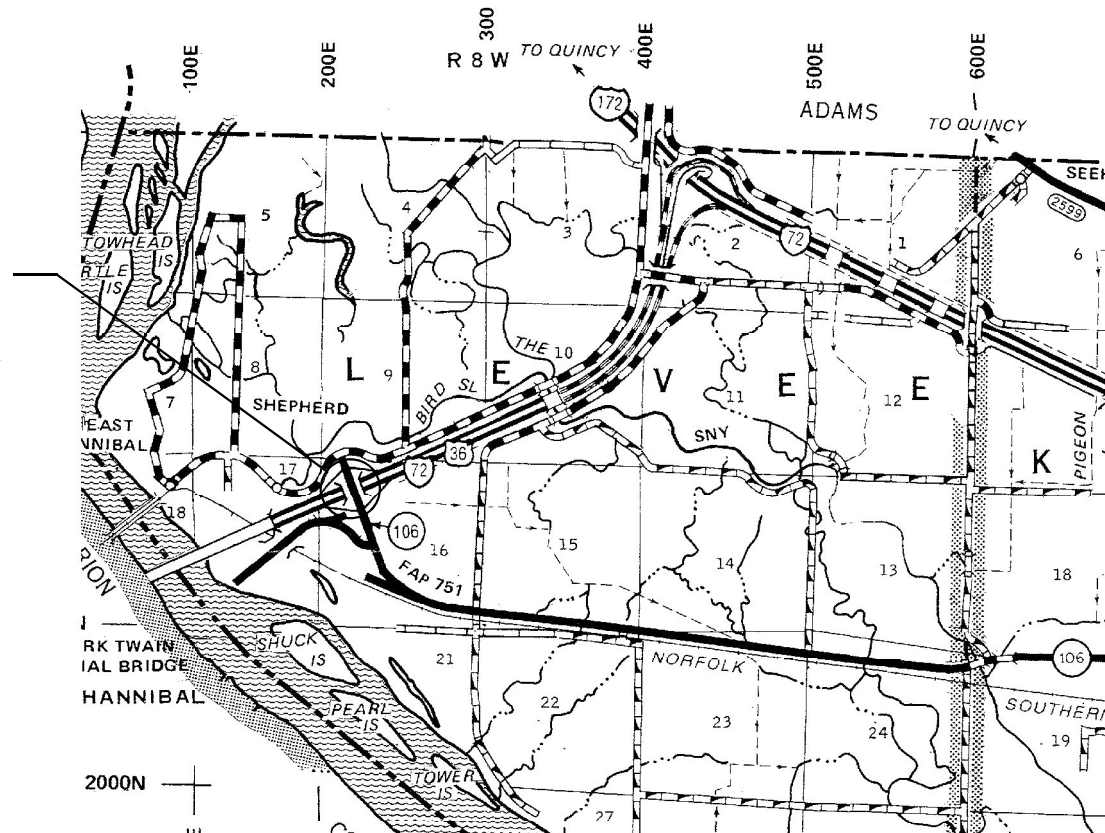


PROJECT LOCATION  
SN 075-0155  
IL 106 OVER I-72  
AT IL 106/I-72 INT.



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 = 224 FT. = 0.04 MILE  
NET LENGTH = 224 FT. = 0.04 MILE

CONTRACT NO. 72712

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 17, 2023

*Jeffrey P. Myers*  
REGIONAL ENGINEER

June 30, 2023  
*Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

June 30, 2023  
*Stephen M. Smith*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS


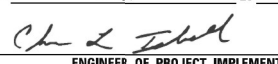
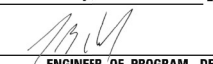
- 1 COVER SHEET
- 2 INDEX, STANDARDS, SIGNATURES, & GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-6 DETOUR PLAN
- 7-9 SN 075-0155 BRIDGE PLANS

STANDARDS

- 000001-08
- 001001-02
- 001006
- 701001-02
- 701006-05
- 701101-05
- 701106-02
- 701201-05
- 701301-04
- 701400-11
- 701401-13
- 701901-08
- BLR 21-9

GENERAL NOTES:

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

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	May, 8 20 23
 ENGINEER OF OPERATIONS	
EXAMINED	May, 2 20 23
 ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	May, 12 20 23
 ENGINEER OF PROGRAM DEVELOPMENT	

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PLOT DATE = 5/16/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX, STANDARDS,  
GENERAL NOTES, & SIGNATURES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-10HB)BDR,BJR	PIKE	9	2
CONTRACT NO. 72712				
ILLINOIS FED. AID PROJECT				

0-02178-6008  
 SN 075-0155  
 100% STATE  
 BRIDGE/RURAL  
 0047  
 PIKE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
28100205	STONE RIPRAP, CLASS A3	TONS	20	20
50300300	PROTECTIVE COAT	SQ YD	113	113
52000005	PREFORMED JOINT SEAL 1"	FOOT	134	134
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	4	4
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGNS	CAL DAY	28	28
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	3	3
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5	5
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	105	105
Z0016702	DETOUR SIGNING	L SUM	1	1
Z0032500	JOINT SEALING (PATCHES)	FOOT	1100	1100

REV. - MS

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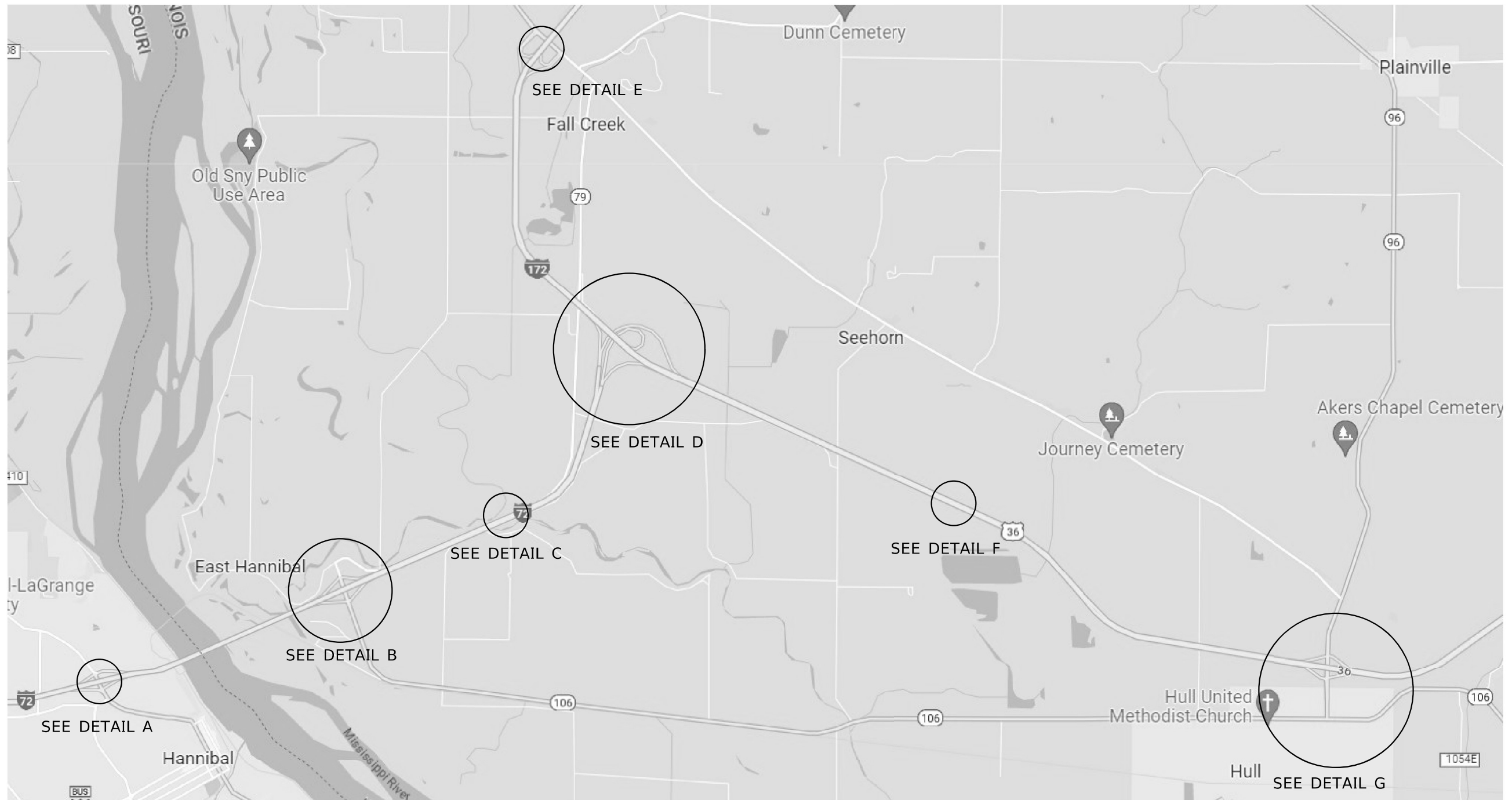
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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-10HB)BDR,BJR	PIKE	9	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72712	



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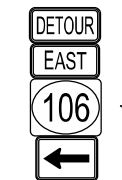
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PLOT DATE = 5/16/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-10HB)BDR,BJR	PIKE	9	4
CONTRACT NO. 72712				
ILLINOIS FED. AID PROJECT				



M4-8 (2412) (O)  
M3-2(O) (2412)  
M1-5 (2424)  
M6-1R (2115)



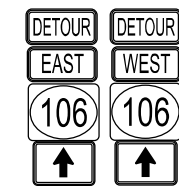
DETAIL A



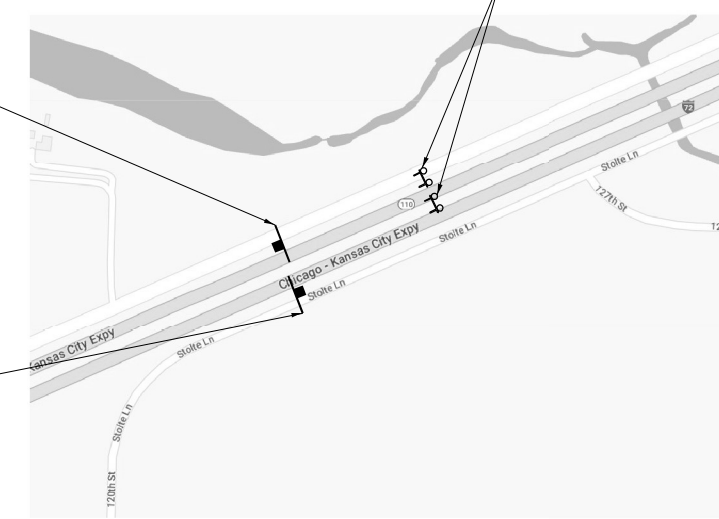
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M3-2(O) (2412)  
M1-5 (2424)  
M6-2R (2115)

TYIII BARRICADE ON  
I-72 EB SHOULDER WITH

IL 106 WEST  
CLOSED  
1.3 MILE  
AHEAD  
FOLLOW DETOUR



M4-8 (2412) (O) M4-8 (2412) (O)  
M3-2(O) (2412) M3-4(O) (2412)  
M1-5 (2424) M1-5 (2424)  
M6-3 M6-3



TYIII BARRICADES ON  
I-72 WB SHOULDERS WITH

IL 106 EAST  
CLOSED  
1.0 MILE  
AHEAD  
FOLLOW DETOUR



M4-8 (2412) (O)  
M3-4(O) (2412)  
M1-5 (2424)  
M6-3

DETAIL C

IL 106 EAST  
CLOSED  
0.2 MILES AHEAD  
AT I-72 BRIDGE  
FOLLOW DETOUR



W20-3 (4848) (O)

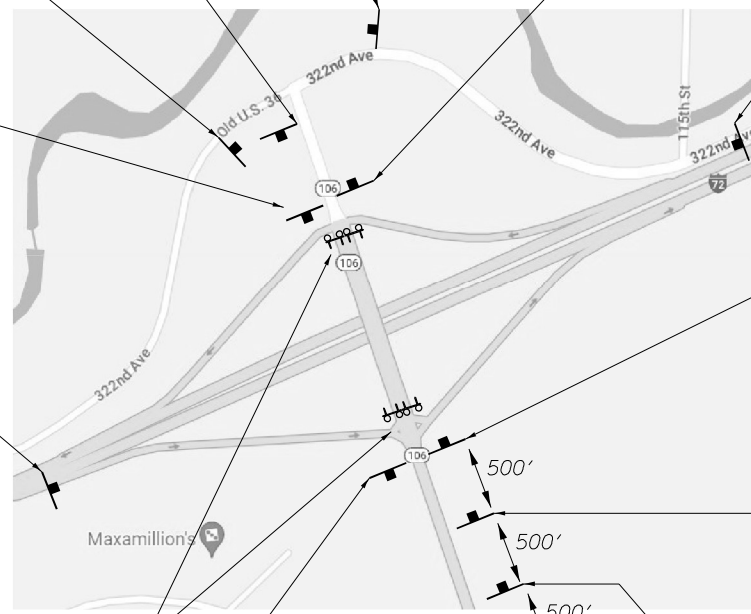
IL 106 EAST  
CLOSED  
0.2 MILES AHEAD  
AT I-72 BRIDGE  
FOLLOW DETOUR

END  
DETOUR

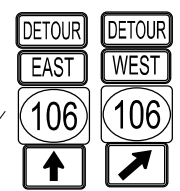
M4-8A (2418)



M4-8 (2412) (O)  
M3-2(O) (2412)  
M1-5 (2424)  
M6-1R (2115)



DETAIL B



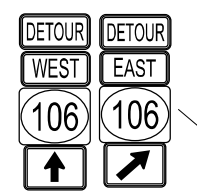
M4-8 (2412) (O) M4-8 (2412) (O)  
M3-2(O) (2412) M3-4(O) (2412)  
M1-5 (2424) M1-5 (2424)  
M6-3 M6-2R (2115)



M4-8 (2412) (O)  
M3-4(O) (2412)  
M1-5 (2424)  
M6-1R (2115)



W20-3 (4848) (O)



M4-8 (2412) (O) M4-8 (2412) (O)  
M3-4(O) (2412) M3-2(O) (2412)  
M1-5 (2424) M1-5 (2424)  
M6-3 M6-2R (2115)

TYIII BARRICADES ON  
TRAFFIC LANES WITH

ROAD  
CLOSED

R11-2 (4830)

END  
DETOUR

M4-8A (2418)



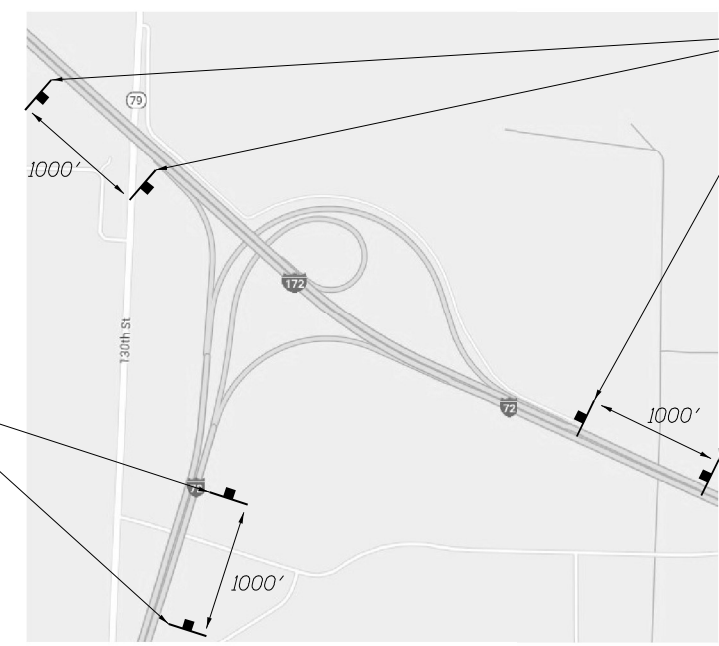
W20-3 (4848) (O)



M4-8 (2412) (O)  
M3-4(O) (2412)  
M1-5 (2424)  
M5-1R (2115)



M4-8 (2412) (O)  
M3-4(O) (2412)  
M1-5 (2424)  
M6-2L (2115)



DETAIL D



M4-8 (2412) (O)  
M3-4(O) (2412)  
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M6-2R (2115)

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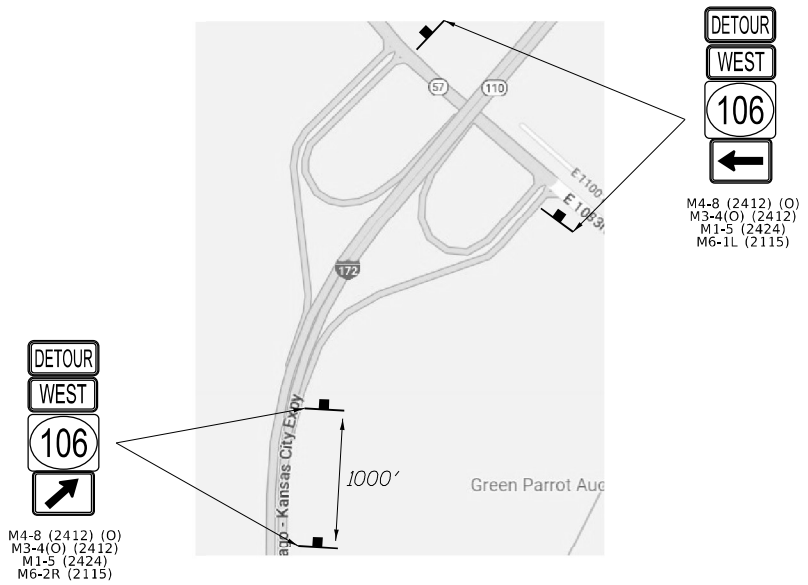
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

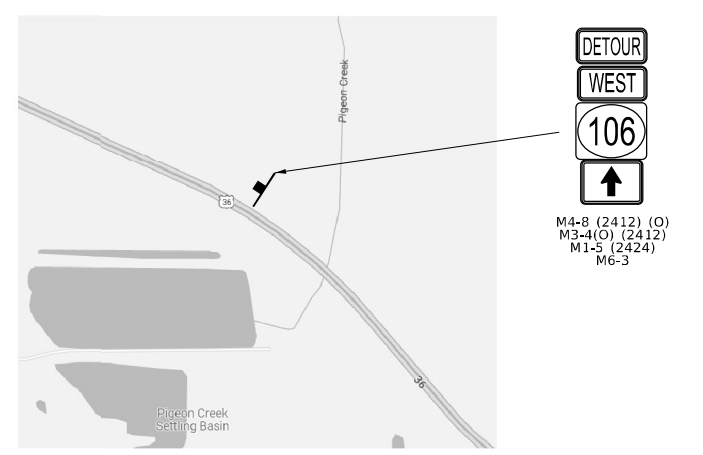
DETOUR PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

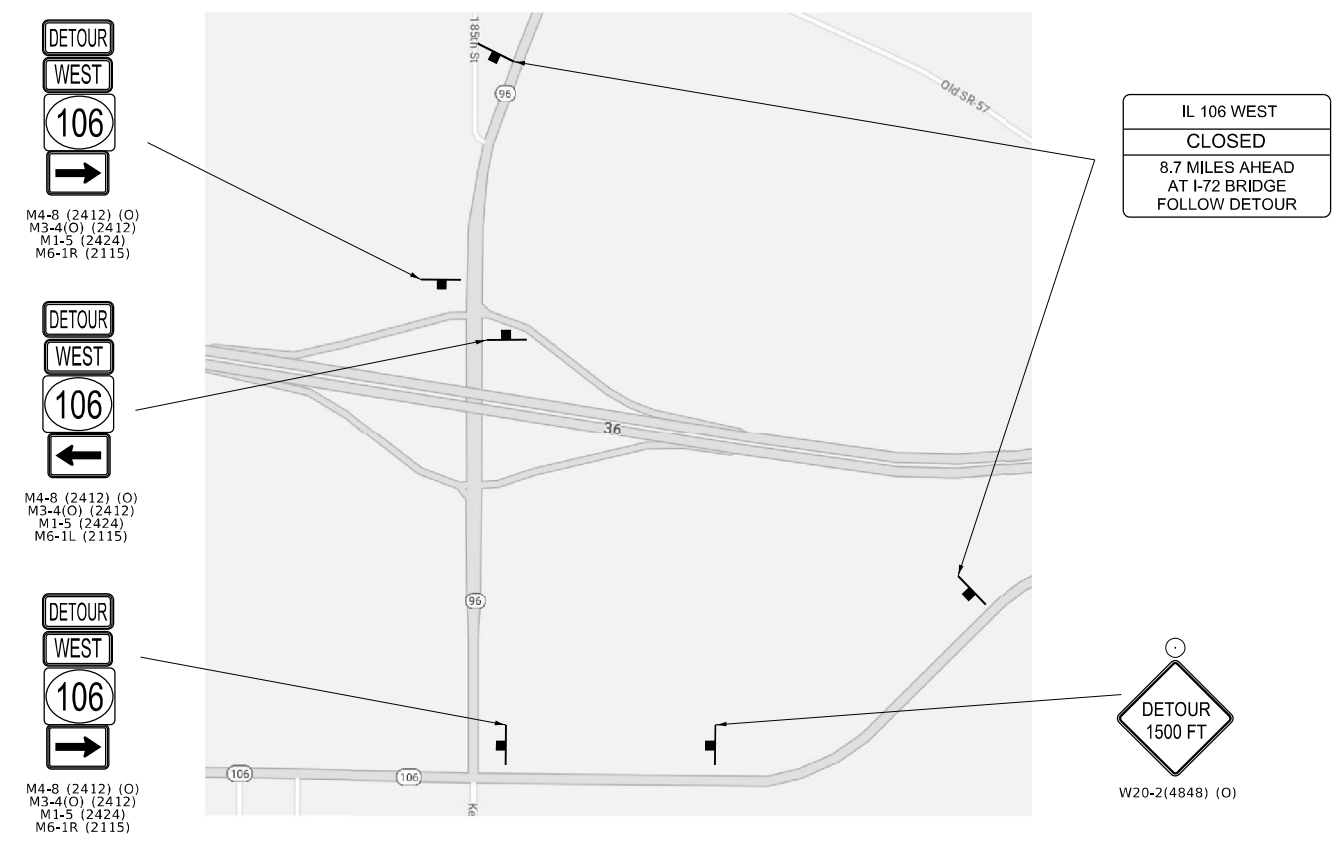
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72	(75-10HB)BDR,BJR	PIKE	9	5
CONTRACT NO. 72712				
ILLINOIS FED. AID PROJECT				



**DETAIL E**



**DETAIL F**



**DETAIL G**

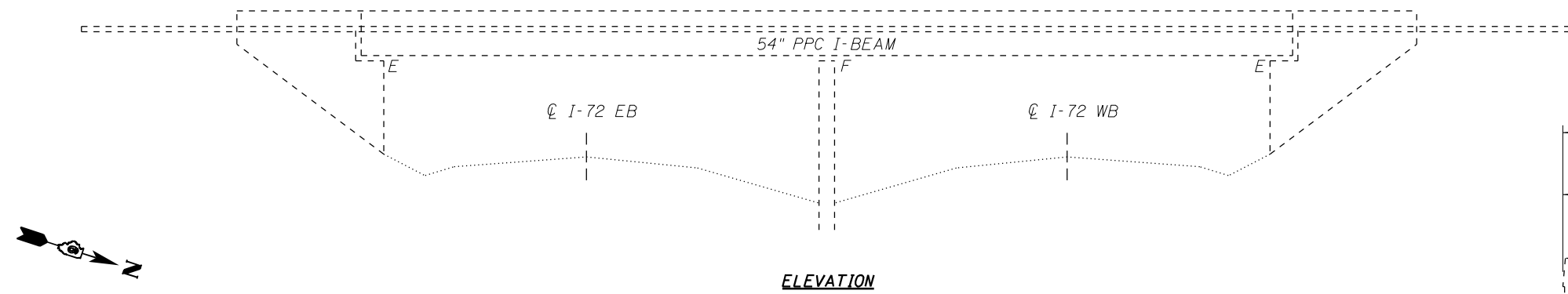
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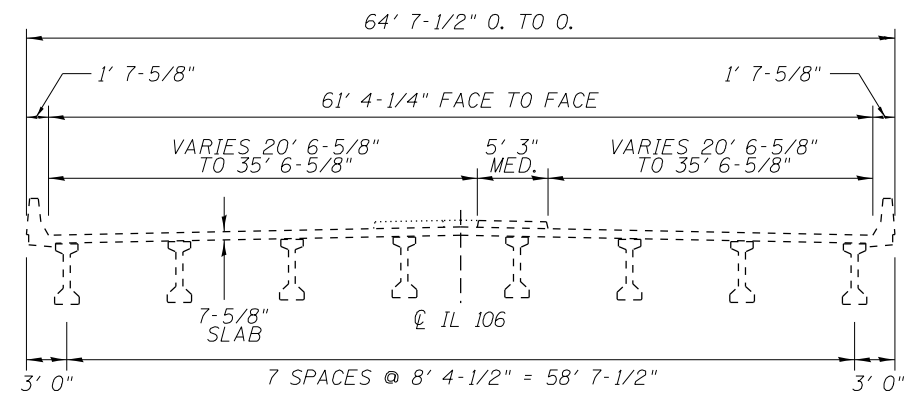
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

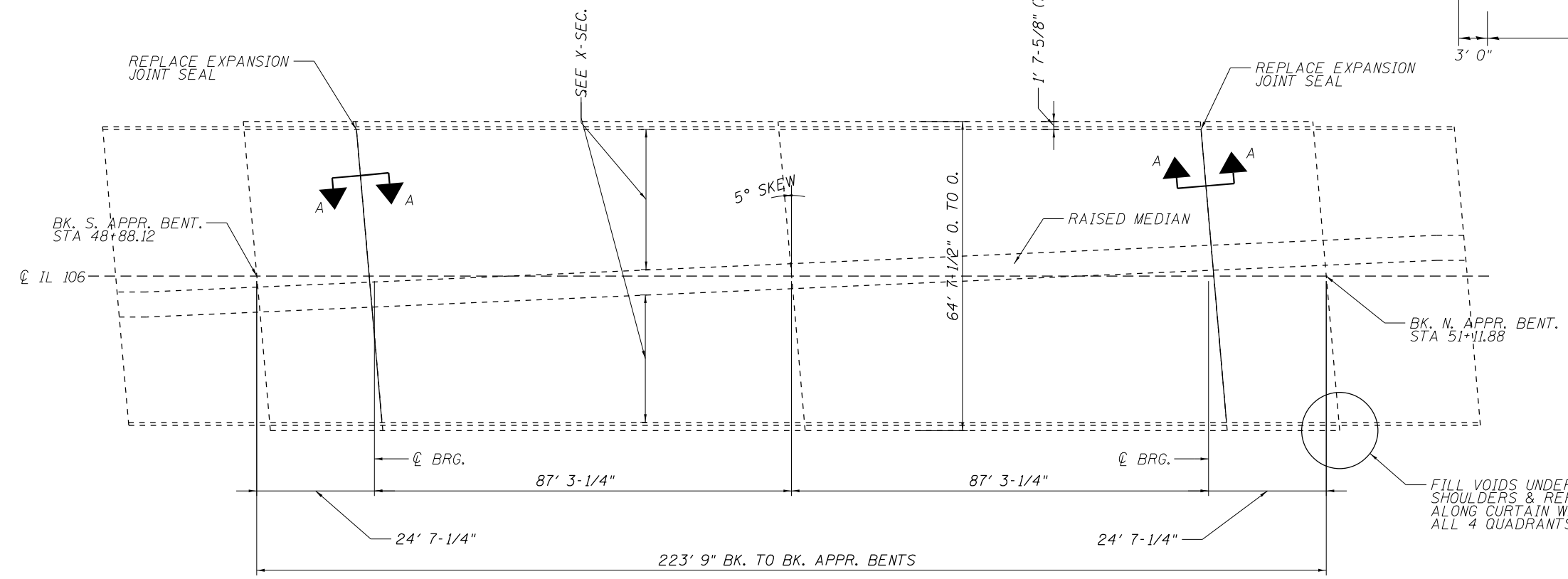
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72	(75-10HB)BDR,BJR	PIKE	9	6
CONTRACT NO. 72712				
ILLINOIS FED. AID PROJECT				



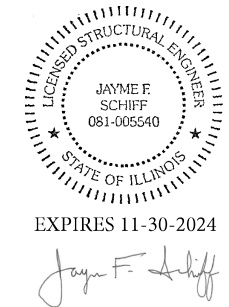
ELEVATION



CROSS SECTION



PLAN



FILL VOIDS UNDER APPROACH SHOULDERS & REPAIR RIPRAP ALONG CURTAIN WALL - TYPICAL ALL 4 QUADRANTS

TOTAL BILL OF MATERIAL (SN 075-0155)

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	105
Approach Slab Repair (Partial Depth)	Sq. Yd.	3
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	5*
Joint Sealing (Patches)	Foot	1100
Protective Coat	Sq. Yd.	113
Preformed Joint Seal 1"	Foot	134
Controlled Low-Strength Material	Cu. Yd.	4
Stone Riprap, Class A3	Ton	20

\* No FD patches anticipated, nominal quantity included

STRUCTURE GENERAL NOTES:

PRIOR TO POURING THE NEW CONCRETE PATCHES, 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.

PROTECTIVE COAT SHALL BE APPLIED TO NEW CONCRETE ONLY.

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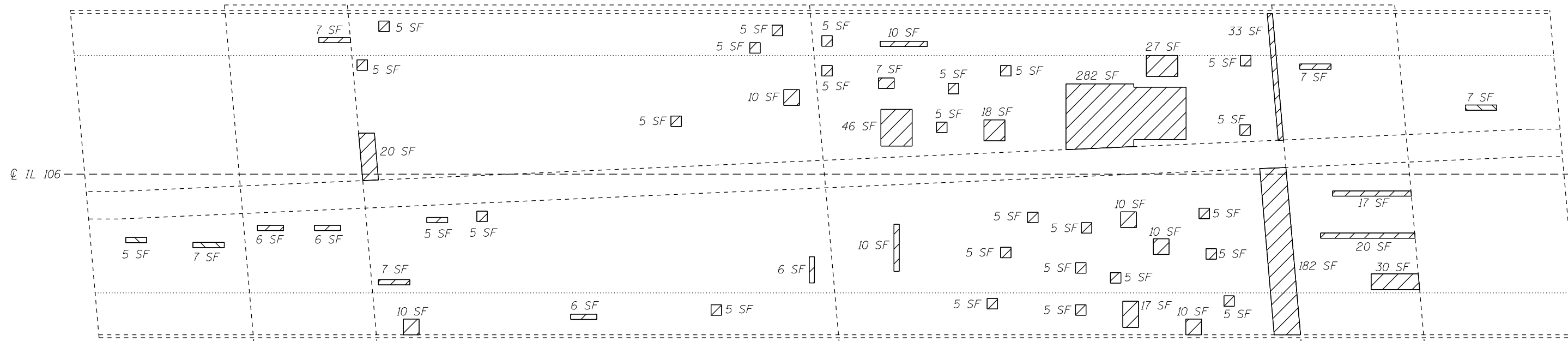
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & ELEVATION  
SN 075-0155

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-10HB)BDR,BJR	PIKE	9	7
			CONTRACT NO. 72712	
ILLINOIS FED. AID PROJECT				



**PLAN**

**PATCHING BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	105
Approach Slab Repair (Partial Depth)	Sq. Yd.	3
Deck Slab Repair (Full Depth, Type II) *	Sq. Yd.	5*
Joint Sealing (Patches)	Foot	1100

\* No FD patches anticipated, nominal quantity included



APPROACH SLAB REPAIR (PARTIAL DEPTH)



DECK SLAB REPAIR (PARTIAL)

**NOTES:**

IDENTIFIED PATCHING LOCATIONS ARE ESTIMATED FROM A DECK SURVEY PERFORMED ON 1/24/2023. 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 EXISTING CONSTRUCTION JOINTS ON THE BRIDGE OR APPROACHES.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SLAB REPAIR PLAN  
SN 075-0155**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-10HB)BDR,BJR	PIKE	9	8
CONTRACT NO. 72712				
ILLINOIS FED. AID PROJECT				



