

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(140B-1)BDR	SANGAMON	10	1
		ILLINOIS	CONTRACT NO. 72978	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

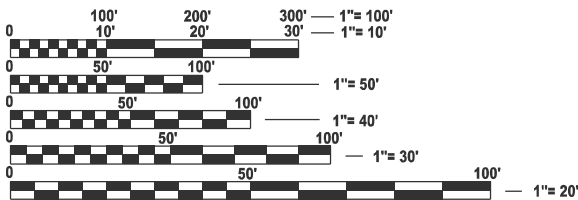
PROPOSED
HIGHWAY PLANS

FAP ROUTE 753 (IL 104)
SECTION (140B-1)BDR
PROJECT (STATE ONLY)
BRIDGE DECK OVERLAY
SANGAMON COUNTY

C-96-096-25



PROJECT LOCATION
SN 084-0192
IL 104 OVER SUGAR CREEK
1.2 MI E AUBURN

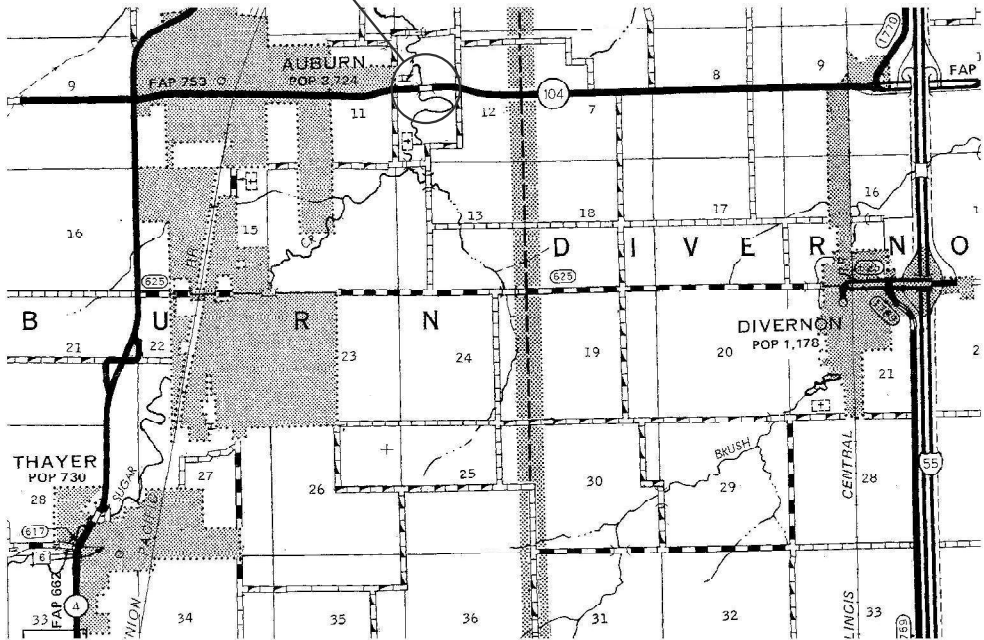


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BRANDON DUDLEY - (217) 785-9290
PROJECT MANAGER

CONTRACT NO. 72978



GROSS LENGTH = 168 FT. = 0.03 MILE
NET LENGTH = 168 FT. = 0.03 MILE

D-96-058-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 14, 2025
Teresa C. Price
REGIONAL ENGINEER
October 3, 2025
See E.A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT
October 3, 2025
Director
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
- 3-4 SUMMARY OF QUANTITIES
- 5-7 TRAFFIC CONTROL PLAN
- 8-10 BRIDGE PLANS, SN 084-0192

HIGHWAY STANDARDS

- 000001-08
- 001001-02
- 001006
- 701001-02
- 701006-05
- 701201-05
- 701301-04
- 701321-19
- 701901-10
- 704001-08
- 782006-01

HMA MIX TABLE	
MIXTURE USE	PARTIAL DEPTH PATCHING
PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50
MIXTURE COMPOSITION	IL-9.5
FRICTION AGGREGATE	MIX "D"
QUALITY MANAGEMENT	QC/QA
SUBLOT SIZE	N/A

GENERAL NOTES:

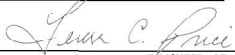
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED

August 14,

20

25



ENGINEER OF OPERATIONS

EXAMINED

August 14,

20

25



ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED

August 13,

20

25



ENGINEER OF PROGRAM DEVELOPMENT

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		DRAWN -	REVISED -						753	(140B-1)BDR	SANGAMON	10	2	
		CHECKED -	REVISED -						CONTRACT NO. 72978					
	PLOT DATE = 6/9/2025	DATE -	REVISED -		SCALE:		SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

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				0-02180-6014
				SN 084-0192
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0047
				RURAL
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	274	274
50300260	BRIDGE DECK GROOVING	SQ YD	970	970
50300300	PROTECTIVE COAT	SQ YD	1021	1021
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	90	90
70400100	TEMPORARY CONCRETE BARRIER	FOOT	500	500
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	1400	1400

* SPECIALTY ITEM

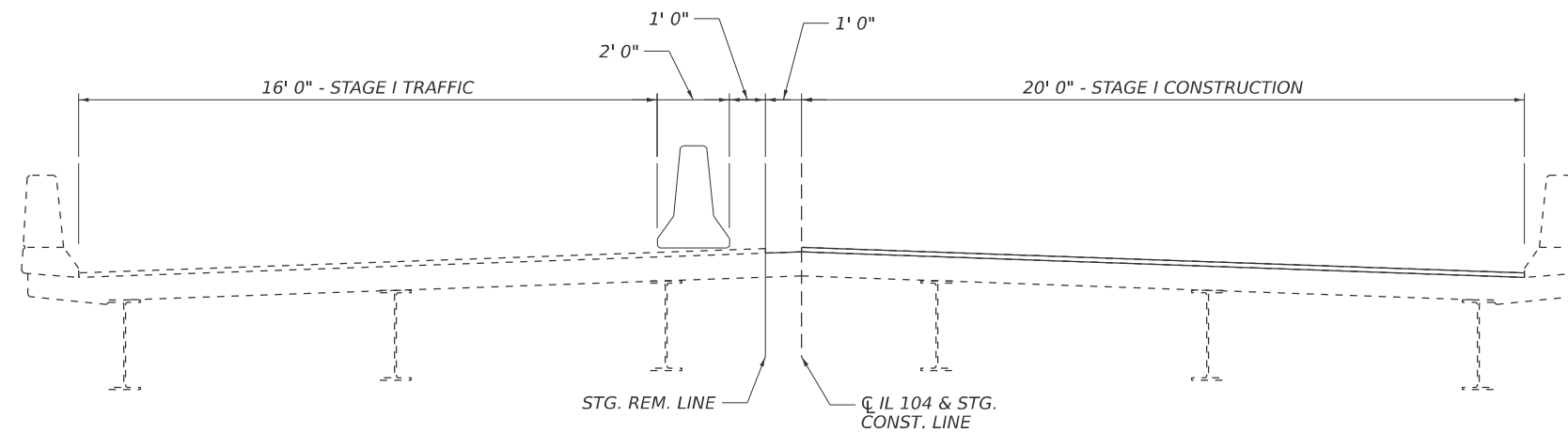
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		DRAWN -	REVISED -					753	(140B-1)BDR	SANGAMON	10	3
		CHECKED -	REVISED -					CONTRACT NO. 72978				
	PLOT DATE = 6/9/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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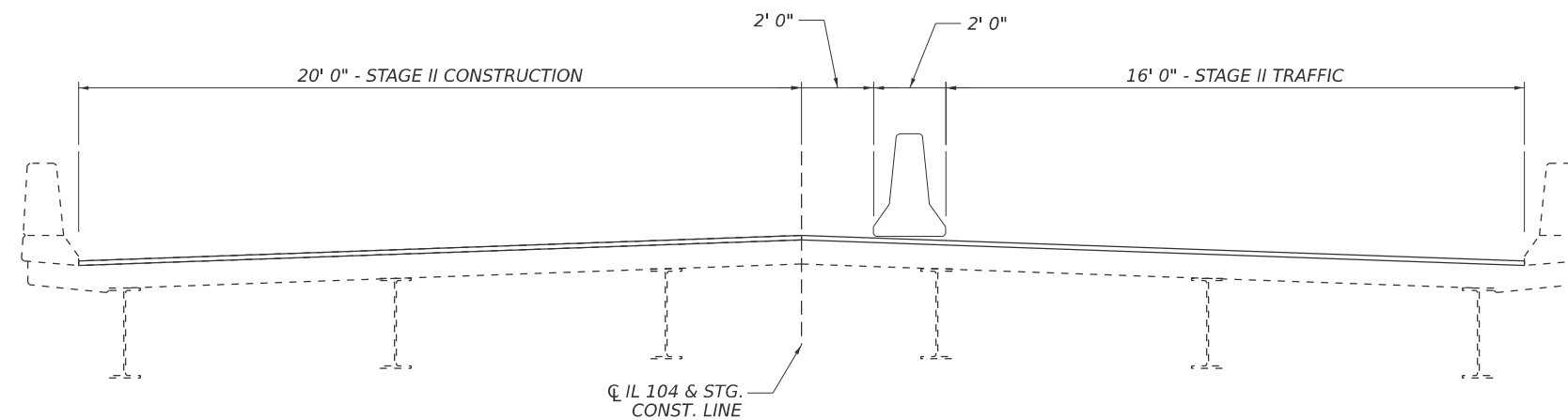
				0-02180-6014
				SN 084-0192
				100% STATE
				BRIDGE
				0047
				RURAL
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2600	2600
X4406225	PARTIAL DEPTH REMOVAL, TYPE II, 2.5"	SQ YD	49	49
X4421000	PARTIAL DEPTH PATCHING	TON	7	7
X6050222	FILLING INLETS, TEMPORARY	EACH	3	3
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
Z0012132	BRIDGE DECK SCARIFICATION 1"	SQ YD	274	274
Z0012144	BRIDGE DECK SCARIFICATION 2 1/2"	SQ YD	747	747
Z0012164	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/2"	SQ YD	1021	1021
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	191	191
Z0032500	JOINT SEALING (PATCHES)	FOOT	228	228
Z0041895	POLYMER CONCRETE	CU FT	4.8	4.8

REV - MS

	USER NAME = brandon.dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -						CONTRACT NO. 72978				
	PLOT DATE = 6/9/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



STAGE I TRAFFIC
(LOOKING EAST)



STAGE II TRAFFIC
(LOOKING EAST)

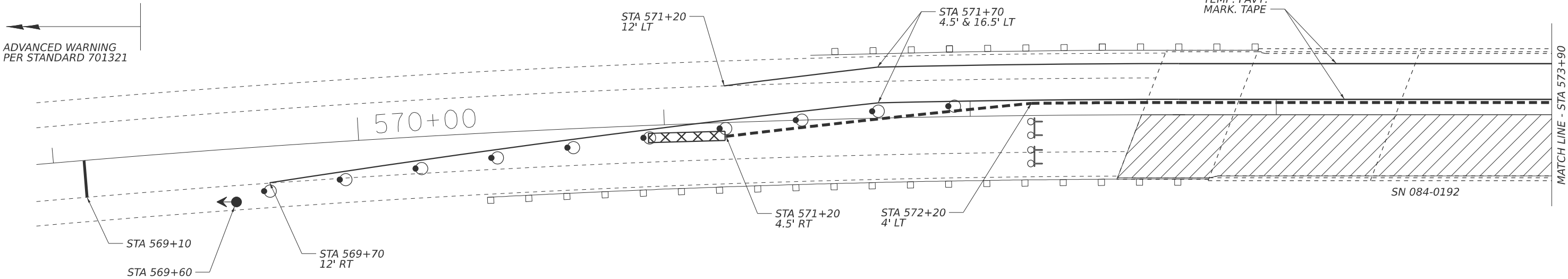
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PLOT DATE	= 6/9/2025	DATE	-	REVISED	-

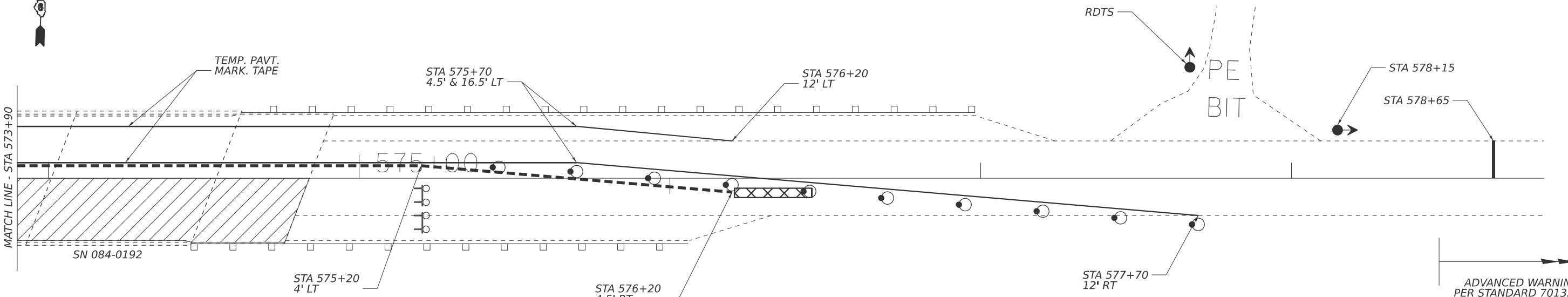
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC STAGING DETAIL				
SCALE:	SHEET 1	OF 3	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(140B-1)BDR	SANGAMON	10	5
CONTRACT NO. 72978				
ILLINOIS FED. AID PROJECT				



STAGE I TRAFFIC - PARTIAL PLAN



STAGE I TRAFFIC - PARTIAL PLAN

SYMBOLS

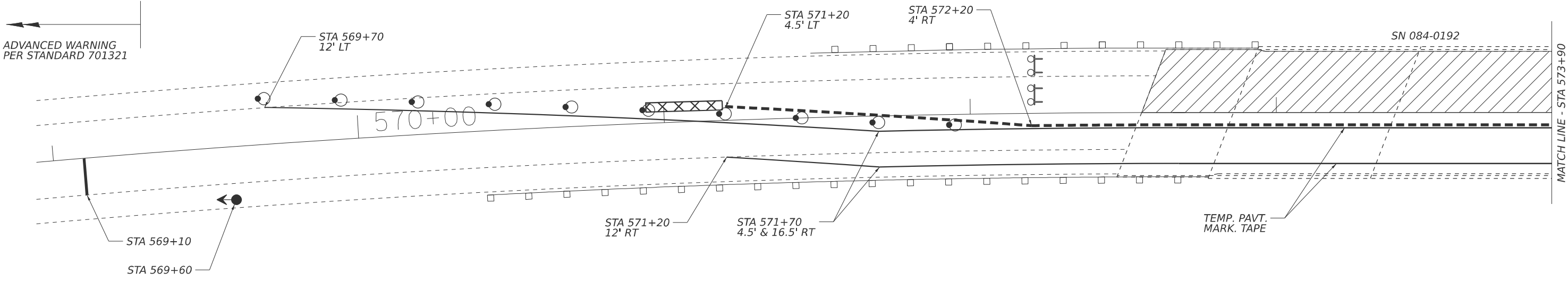
- WORK AREA
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TRAFFIC SIGNAL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR

TRAFFIC CONTROL NOTES:

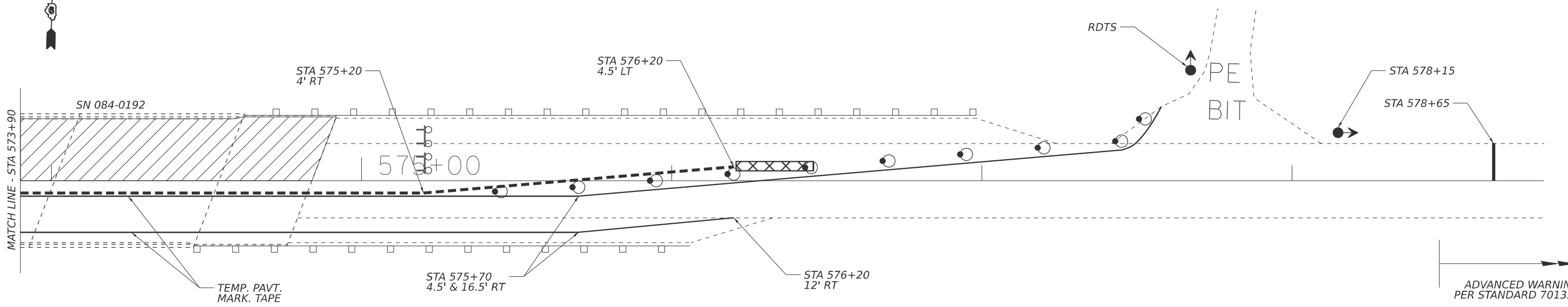
- Traffic control devices not shown in this detail shall be per standard 701321. Devices and temporary pavement markings shown in this detail shall be included in the cost of TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. Impact attenuators temporary rumble strips, temporary concrete barrier, and temporary traffic signals shall be paid separately.
- Temporary concrete barrier offsets given in this detail refer to the edge of the barrier nearest to live traffic.
- A Residential Driveway Temporary Signal (RDTS) shall be provided for the private entrance at STA 577±75 LT, cost included with TEMPORARY BRIDGE TRAFFIC SIGNALS. See special provisions.

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			DRAWN -	REVISED -					753	(140B-1)BDR	SANGAMON	10	6
			CHECKED -	REVISED -					CONTRACT NO. 72978				
	PLOT DATE = 6/9/2025		DATE -	REVISED -		SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



STAGE II TRAFFIC - PARTIAL PLAN



STAGE II TRAFFIC - PARTIAL PLAN

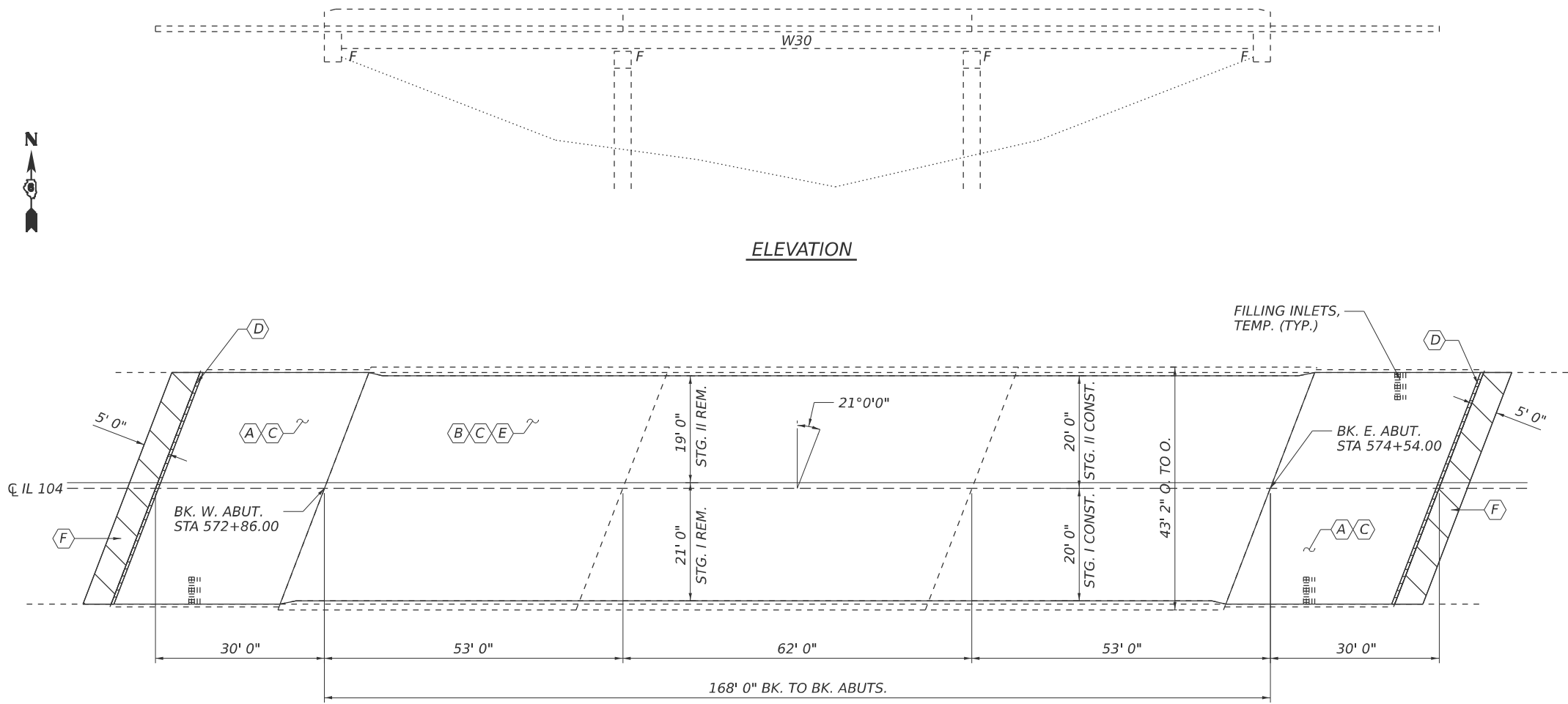
SYMBOLS

- WORK AREA
- DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- TRAFFIC SIGNAL
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR

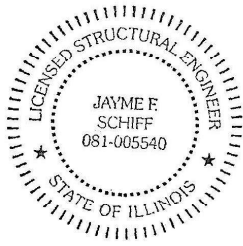
- TRAFFIC CONTROL NOTES:
- Traffic control devices not shown in this detail shall be per standard 701321. Devices and temporary pavement markings shown in this detail shall be included in the cost of TRAFFIC CONTROL AND PROTECTION, STANDARD 701321. Impact attenuators temporary rumble strips, temporary concrete barrier, and temporary traffic signals shall be paid separately.
 - Temporary concrete barrier offsets given in this detail refer to the edge of the barrier nearest to live traffic.
 - A Residential Driveway Temporary Signal (RDTS) shall be provided for the private entrance at STA 577±75 LT, cost included with TEMPORARY BRIDGE TRAFFIC SIGNALS. See special provisions.

MODEL: traffic-2 [Sheet]
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		CHECKED -	REVISED -		SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 72978				
	PLOT DATE = 6/9/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



EXIST. CURVE NO. 4
PISTA. = 567+98.10
I = 12° 37' 00"
D = 01° 20' 14"
R = 4284.38'
T = 473.63'
L = 943.44'
E = 26.10'
e = 3.2%
T.R. = 39.84'
S.E. RUN = 887.34'
P.C. STA. = 563+24.47
P.T. STA. = 572+67.91



EXPIRES 11-30-2026
Jayme F. Schiff

- (A) - Remove hot-mix asphalt wearing surface ($\pm 1\text{-}1/2"$) & Scarify 1".
- (B) - Scarify 2-1/2".
- (C) - Place microsilica overlay, 2-1/2".
- (D) - Install polymer concrete nosing.
- (E) - Full depth deck patching.
- (F) - Partial depth patching of roadway, 2-1/2"

TOTAL BILL OF MATERIAL (SN 084-0192)

ITEM	UNIT	QUANTITY
Hot-Mix Asphalt Surface Removal, 1-1/2"	Sq. Yd.	274
Bridge Deck Scarification 1"	Sq. Yd.	274
Bridge Deck Scarification 2-1/2"	Sq. Yd.	747
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	191
Bridge Deck Microsilica Concrete Overlay 2-1/2"	Sq. Yd.	1021
Polymer Concrete	Cu. Ft.	4.8
Bridge Deck Grooving	Sq. Yd.	970
Protective Coat	Sq. Yd.	1021
Joint Sealing (Patches)	Foot	228
Partial Depth Removal, Type II, 2.5"	Sq. Yd.	49
Partial Depth Patching	Ton	7
Filling Inlets, Temporary	Each	3

STRUCTURE GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM 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.

JOINT SEALING (PATCHES) SHALL BE APPLIED TO THE LONGITUDINAL CONSTRUCTION JOINT FOR THE ENTIRE LENGTH OF THE OVERLAY.

SYNTHETIC FIBERS ARE NOT REQUIRED IN BRIDGE DECK MICROSILICA CONCRETE OVERLAY.

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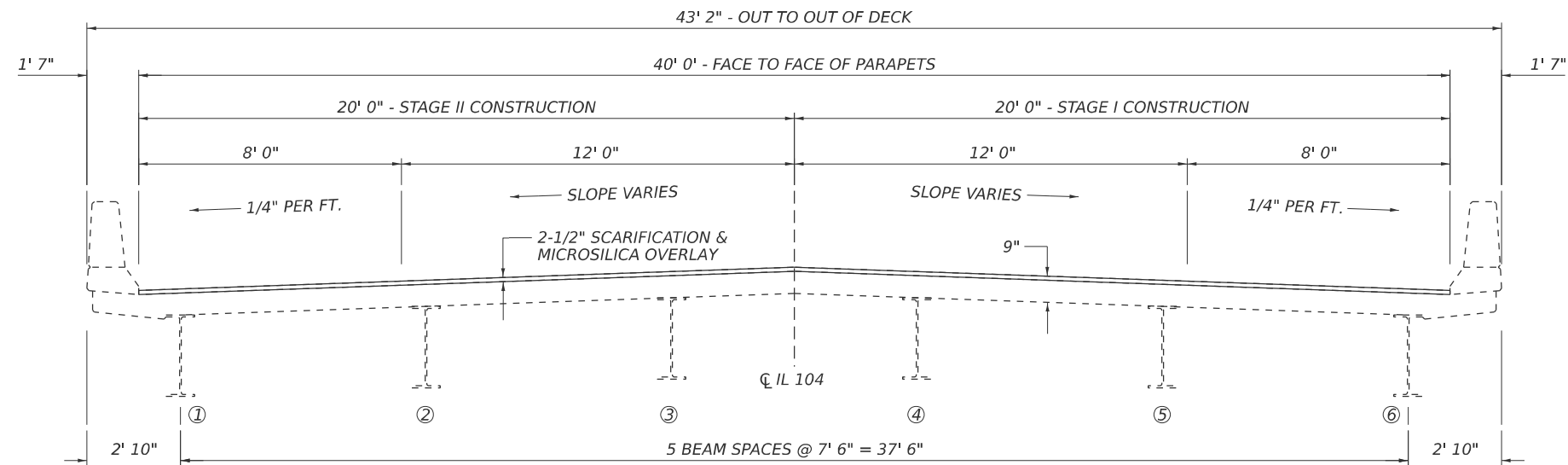
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	DRAWN - BRANDON DUDLEY	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/9/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

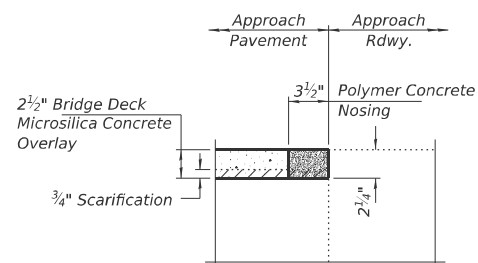
BRIDGE PLAN & ELEVATION
SN 084-0192

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

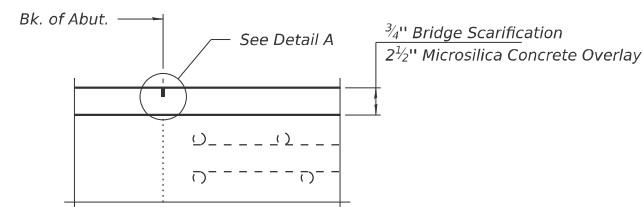
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(140B-1)BDR	SANGAMON	10	8
CONTRACT NO. 72978				
ILLINOIS FED. AID PROJECT				



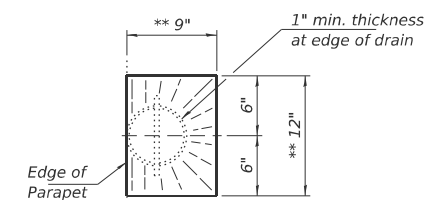
DECK CROSS SECTION
(LOOKING EAST)



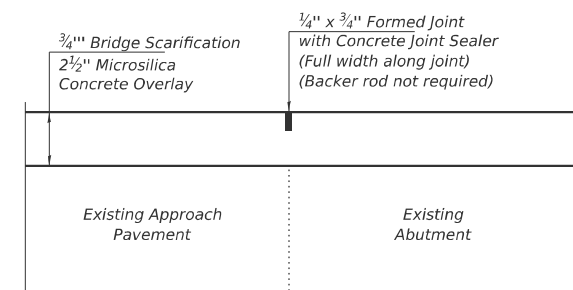
POLYMER CONCRETE
NOSING DETAIL



SECTION AT ABUTMENT



DRAIN DETAIL
** slope to drain



DETAIL A

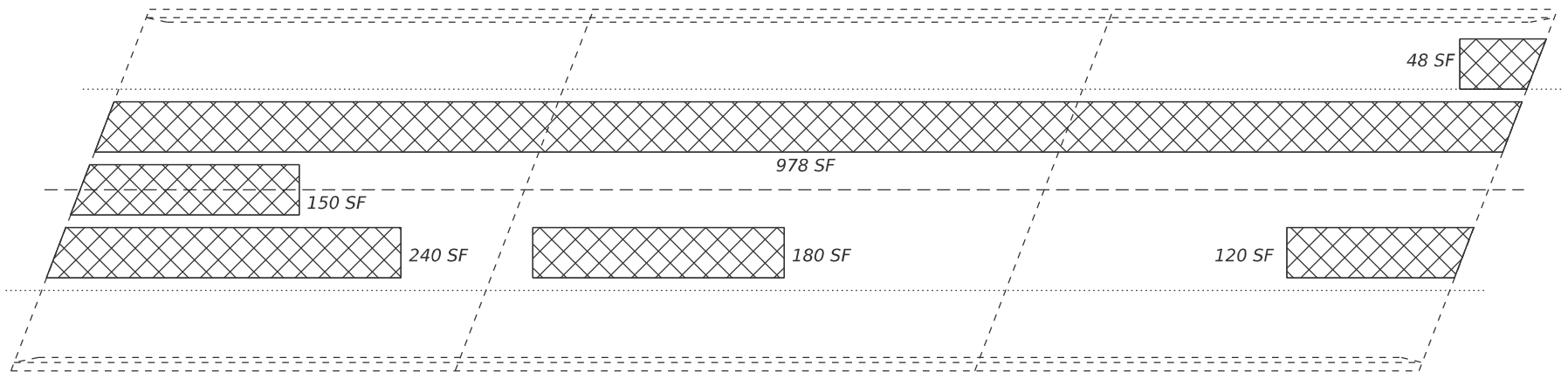
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	CHECKED -	REVISED -
PLOT DATE = 6/9/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS
SN 084-0192

SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(140B-1)BDR	SANGAMON	10	9
CONTRACT NO. 72978				
ILLINOIS		FED. AID PROJECT		



Deck Slab Repair (Full Depth)

Identified patching locations are estimated from a deck survey performed on 6/6/2025. The patching survey is included for information only. The engineer shall lay out actual patch locations in the field.

The engineer shall show actual loactions of deck repairs on as-built plans.

If full depth patches greater than 10' in length longitudianlly develop between beams 1 & 2 or between beams 5 & 6, work shall be suspended in the general vicinity and the Bureau of Bridges and Structures shall be contacted immediately.

SLAB REPAIR (SN 084-0192)

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	191

MODEL: bridge-2 [Sheet]
FILE NAME: c:\p\work\pww\tdudley\mtd1123518\72978 plansheet.dgn

USER NAME = brandon.dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/9/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLAB REPAIR DETAIL
SN 084-0192

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
753	(140B-1)BDR	SANGAMON	10	10
		CONTRACT NO. 72978		
		ILLINOIS	FED. AID PROJECT	