

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

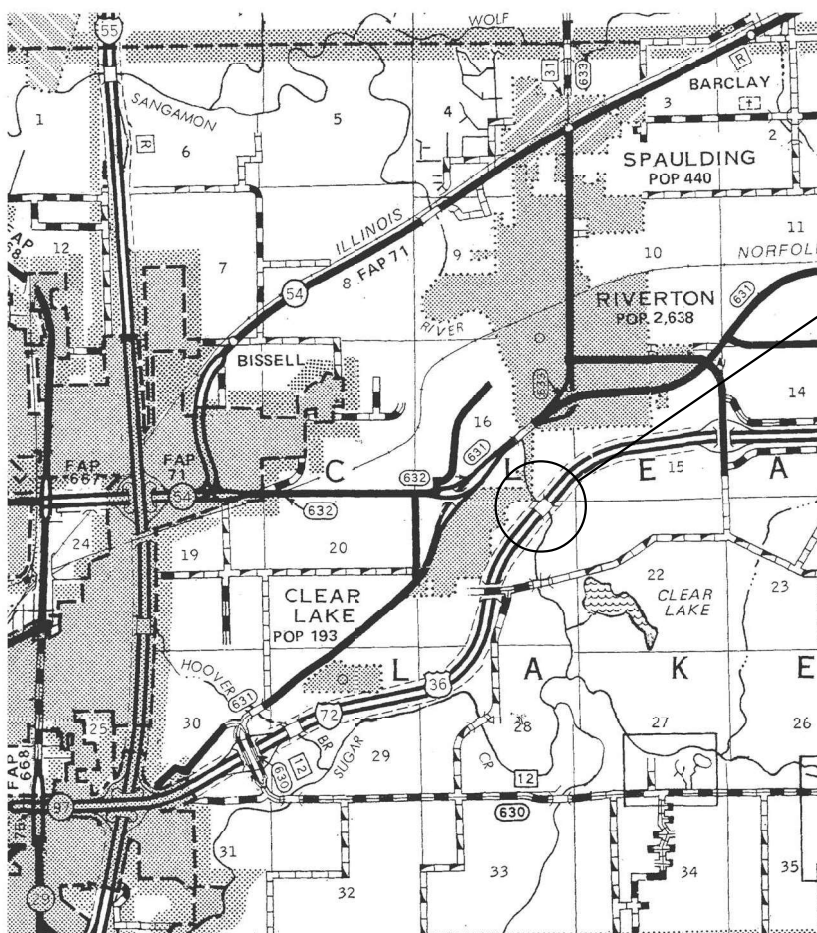
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72A	(84-10-1B-2)I-2	SANGAMON	6	1
		ILLINOIS	CONTRACT NO. 72609	

FOR INDEX OF SHEETS, SEE SHEET NO.

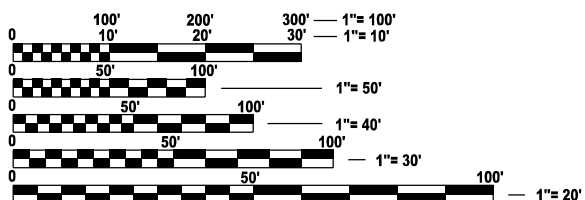
**PROPOSED  
HIGHWAY PLANS**

**FAI ROUTE 72A (I-72)  
SECTION (84-10-1B-2)I-2  
PROJECT NHPP-6FFE(824)  
SCOUR MITIGATION  
SANGAMON COUNTY**

C-96-026-24



PROJECT LOCATION  
SN 084-0152 & 0153  
I-72 OVER SANGAMON RIVER  
3.5 MI E I-55



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**

GROSS LENGTH = 819 FT. = 0.16 MILE  
NET LENGTH = 819 FT. = 0.16 MILE

**CONTRACT NO. 72609**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 17, 2024

*[Signature]*  
REGIONAL ENGINEER

December 6, 2024  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

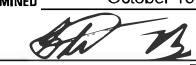
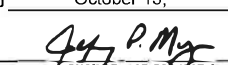
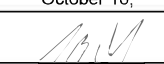
HIGHWAY STANDARDS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
- 3 SUMMARY OF QUANTITIES
- 4-6 BRIDGE PLANS, SN 084-0152 & 0153

- 000001-08
- 001006
- 701101-05
- 701106-02
- 701400-12
- 701401-13
- 701901-10

GENERAL NOTES:

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	October 15, 20 24
 ENGINEER OF OPERATIONS	
EXAMINED	October 15, 20 24
 ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	October 16, 20 24
 ENGINEER OF PROGRAM DEVELOPMENT	

REV - MS

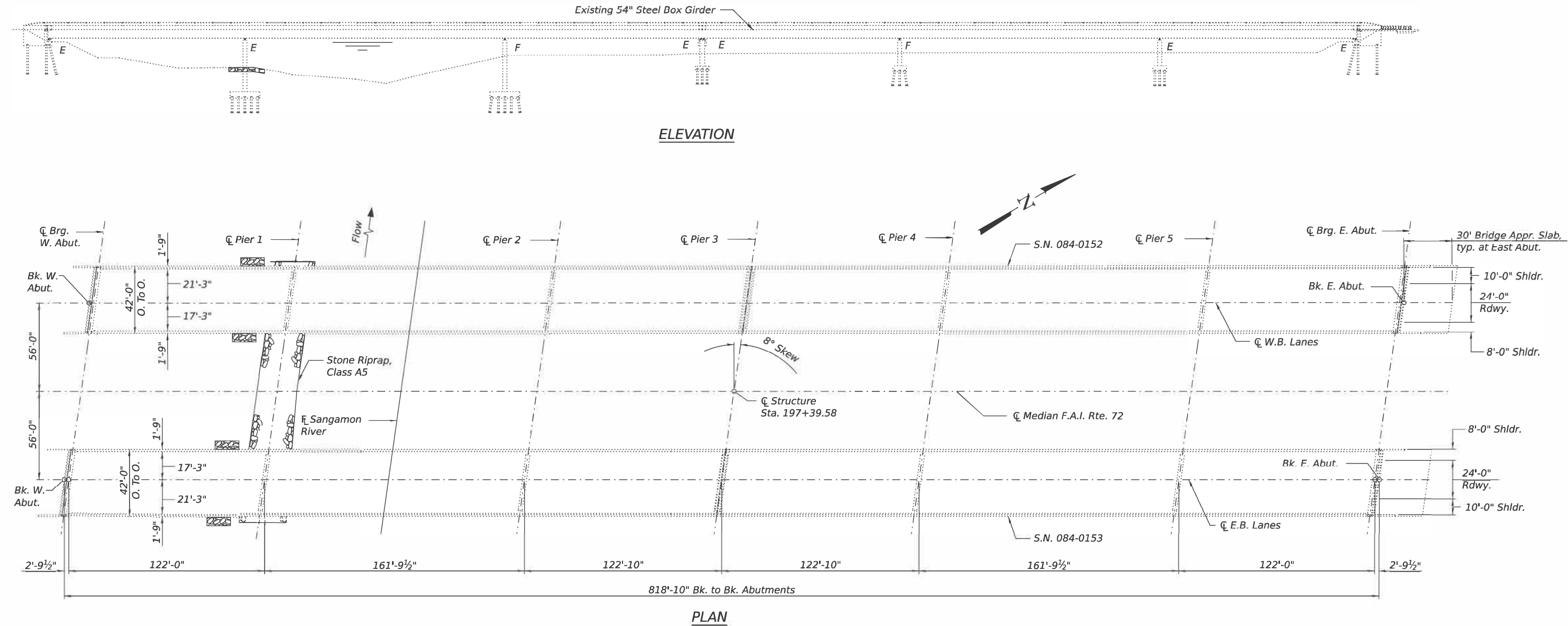
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	USER NAME = brandon.dudley	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, &amp; SIGNATURES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			72A	(84-10-1B-2)I-2	SANGAMON	6	2	
		CHECKED -	REVISED -			CONTRACT NO. 72609					
	PLOT DATE = 9/17/2024	DATE -	REVISED -			SCALE:	SHEET 2 OF 1 SHEETS	STA.	TO STA.	ILLINOIS   FED. AID PROJECT	



Benchmark:  
Chiseled "□" on top of south wingwall of west abutment of S.N. 084-0152, Elev. 548.408 (NAVD88)

Existing Structures:  
Structure Nos. 084-0152 and 084-0153, constructed in 1974 as F.A.I. Rte. 72, Section 84-10-1B-2, are dual six span continuous steel box girder superstructures with a 7½" reinforced concrete deck supported by solid wall piers and stub abutments. In 1995, the decks were patched, overlay was placed, the expansion joints at abutments and pier 3 were reconstructed, the west backwalls and approaches were replaced, half at the floor drains were plugged, and the bearing plates were replaced. In 2012, the expansion joints, overlay, expansion bearings and approaches were replaced. The structures are 818'-10" bk. to bk. abutments, 42'-0" out to out and have a left ahead skew angle of 8°.



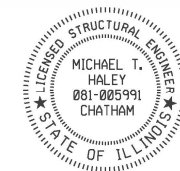
**DESIGN SPECIFICATIONS**  
(New Construction)  
2002 AASHTO "Standard  
Specifications for Highway Bridges"

**LOADING HS20-44 & ALT.**  
(Original Construction)

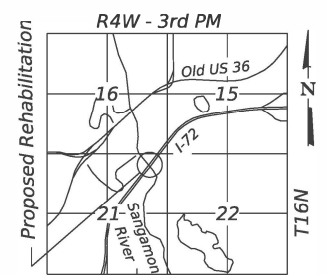
**SCOPE OF WORK**  
1. Provide scour protection at Pier 1.

**INDEX OF SHEETS**  
1. General Plan and Elevation  
2. Scour Protection Details

REV - MS



*Michael T. Haley*  
Michael T. Haley  
Licensed Structural Engineer  
State of Illinois No. 081-005991  
Expires 11/30/2026  
10/16/2024  
Date



LOCATION SKETCH

**GENERAL PLAN AND ELEVATION**  
**I-72/US 36 OVER SANGAMON RIVER**  
**FAI RTE 72 - SECTION (84-10-1B-2)I-2**  
**SANGAMON COUNTY**  
**STATION 197+39.58**  
**STRUCTURE NOS. 084-0152 & 084-0153**

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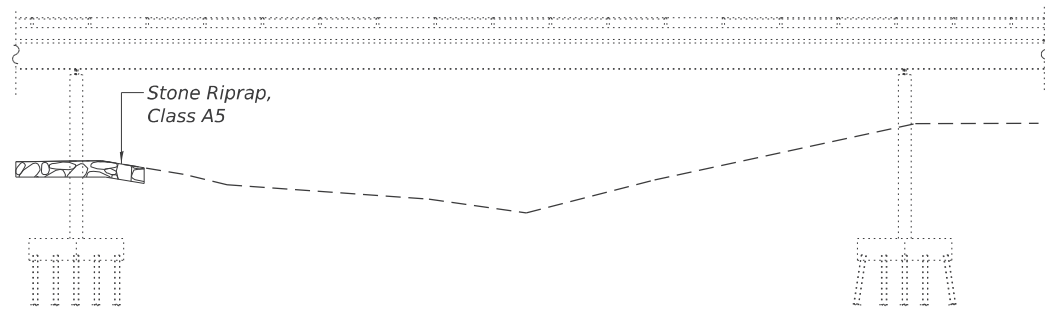
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

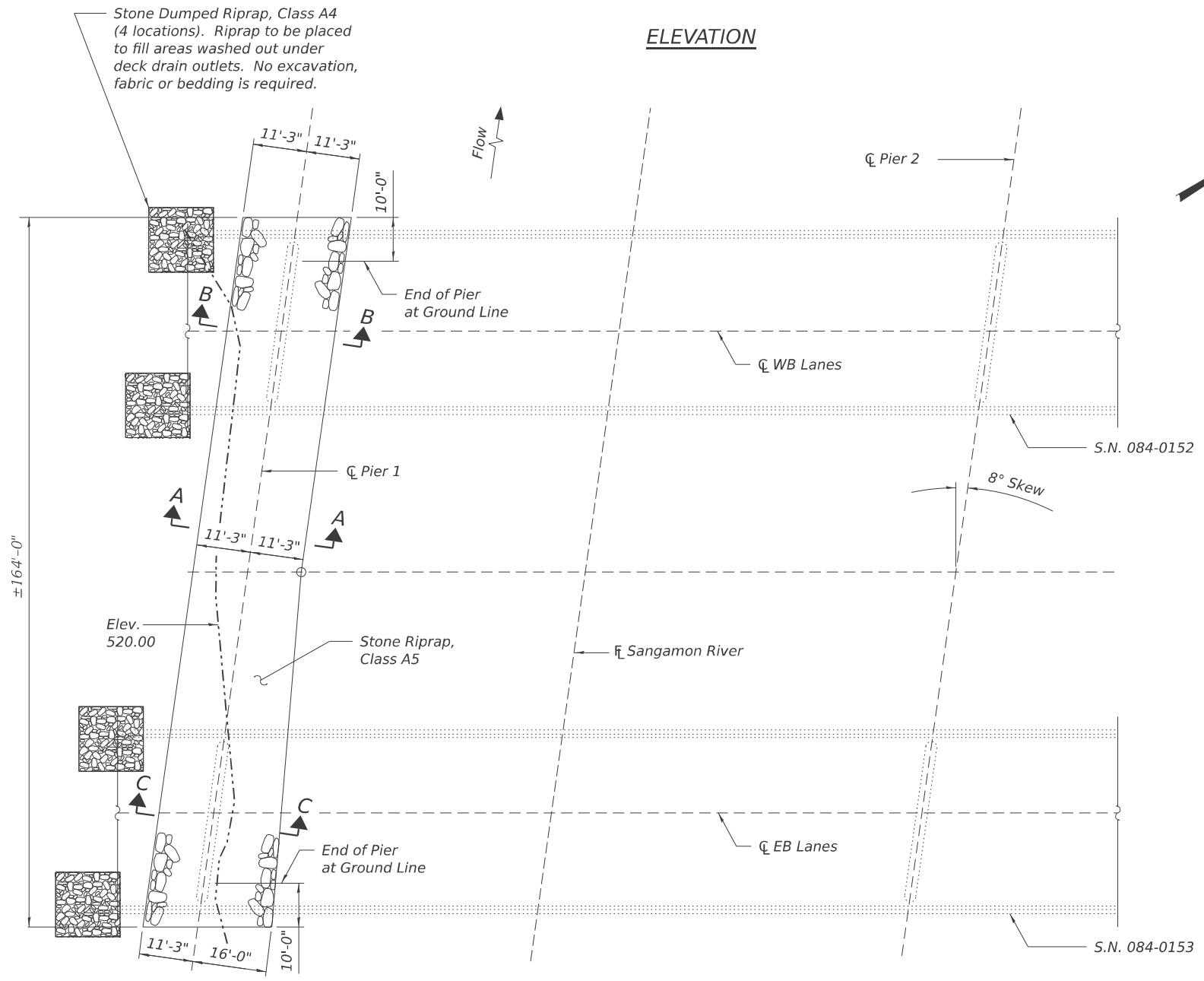
GENERAL PLAN AND ELEVATION

SHEET 1 OF 3 SHEETS

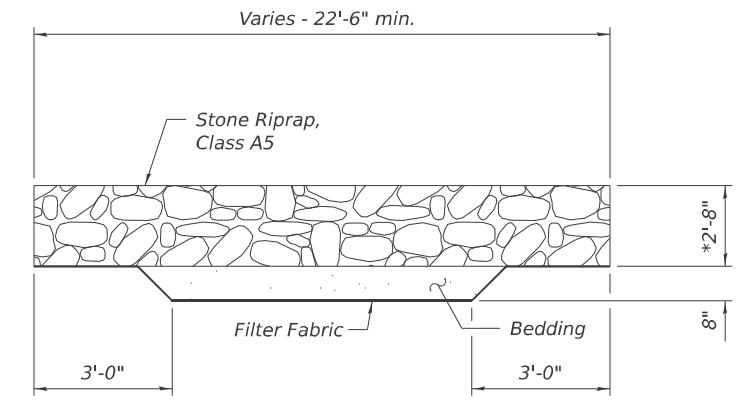
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72	(84-10-1B-2)I-2	SANGAMON	6	4
CONTRACT NO. 72609				
ILLINOIS FED. AID PROJECT				



**ELEVATION**



**PLAN**



**SECTION A-A**

\*Thickness shall be increased by 50% if riprap is placed under water. Thickness to be increased as required to fill any existing scour holes.

**BILL OF MATERIAL**

Item	Unit	Total
Stone Riprap, Class A5	Ton	600
Stone Dumped Riprap, Class A4	Ton	100
Filter Fabric	Sq. Yd.	422

Notes:  
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.  
 Extend riprap limits as necessary if scour holes are present outside limits shown.  
 Riprap installed below the water line will not require filter fabric or bedding material.  
 See Sheet 2 of 3 for sections B-B and C-C.

(Sheet 1 of 2)

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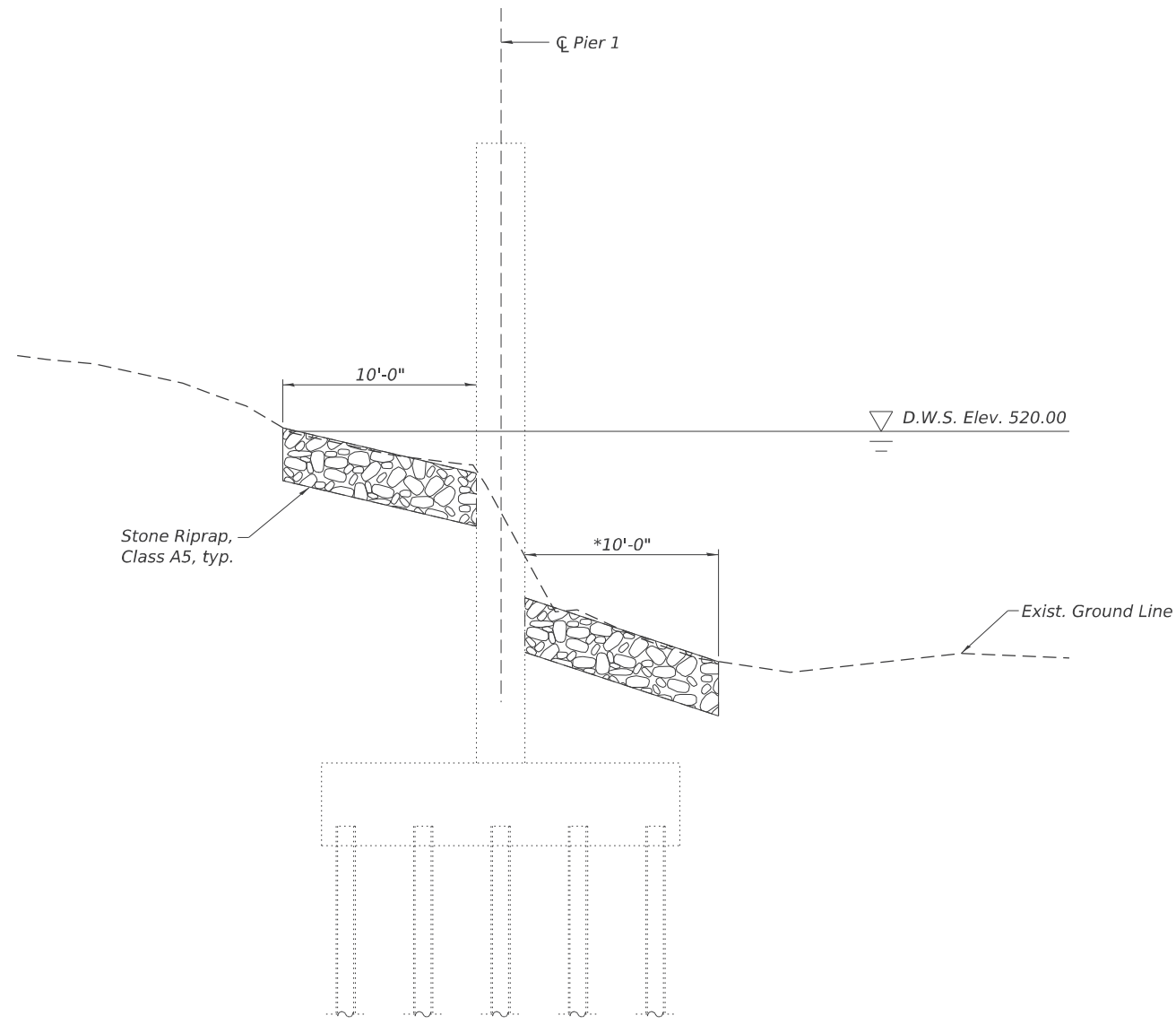
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**STATE OF ILLINOIS  
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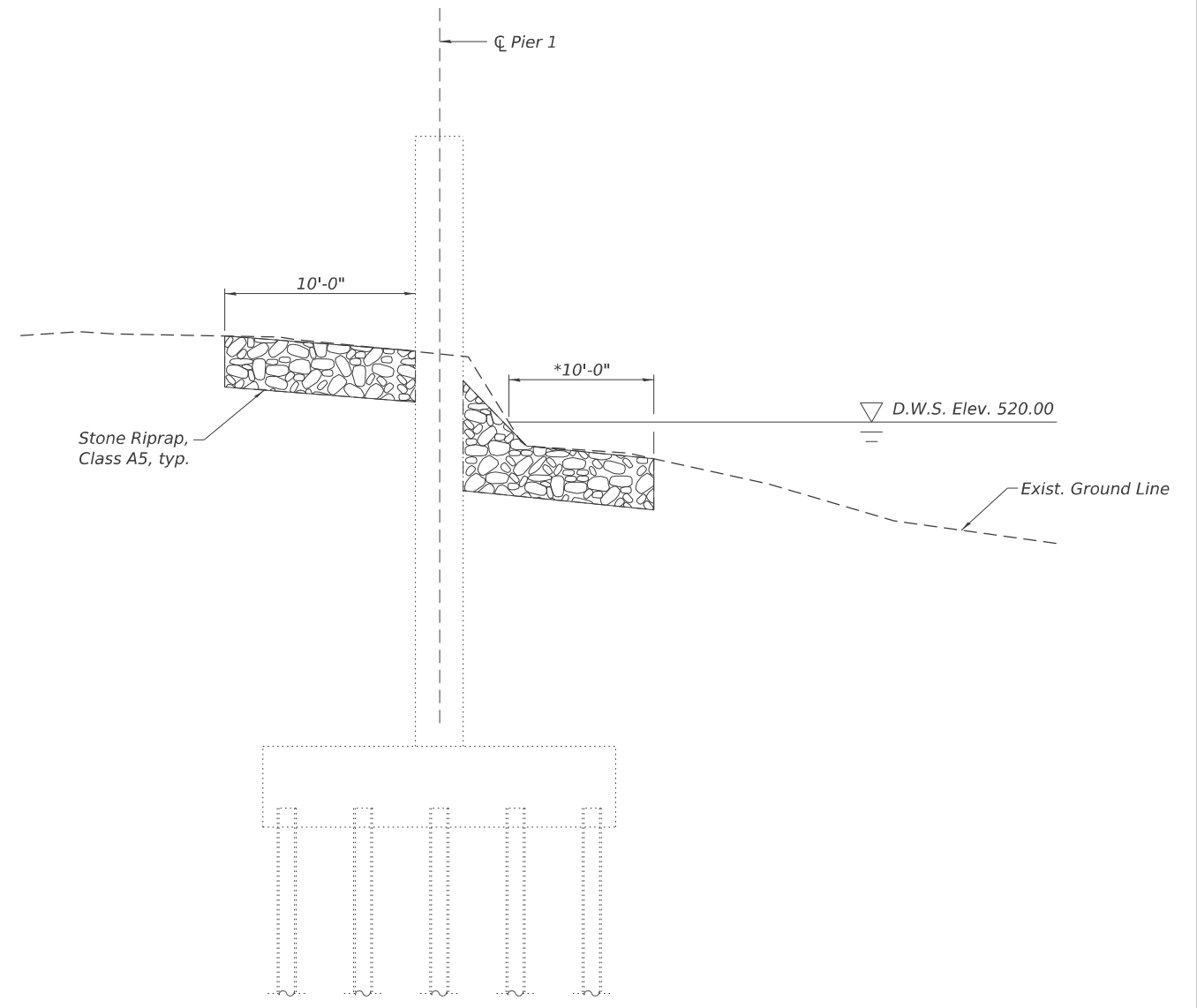
**SCOUR PROTECTION DETAILS  
 STRUCTURE NOS. 084-0152 & 084-0153**

SHEET 2 OF 3 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-1B-2)-2	SANGAMON	6	5
CONTRACT NO. 72609				
ILLINOIS FED. AID PROJECT				



**SECTION B-B**



**SECTION C-C**

\* Riprap placed on the north side of pier shall be placed a minimum of ten feet inside the D.W.S. Elevation of 520.00.

Note:  
Horizontal dimensions at right angles to pier.

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**Lin Engineering, Ltd.**  
Consulting Engineers  
Springfield, Illinois

USER NAME = LIN03-PC	DESIGNED - LV	REVISED -
	CHECKED - LV	REVISED -
	DRAWN - CZ	REVISED -
PLOT DATE = 9/16/2024	CHECKED - 9/16/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCOUR PROTECTION DETAILS  
STRUCTURE NOS. 084-0152 & 084-0153**

SHEET 3 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(84-10-1B-2)-2	SANGAMON	6	6
CONTRACT NO. 72609				
ILLINOIS FED. AID PROJECT				

(Sheet 2 of 2)