

Filename: \\MSTA\001\SB_title.dgn Division: HIGHWAY Username: mchipman Date: 7/19/2024

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



BENTON AND FAIRFIELD
KENNEBEC COUNTY
INTERSTATE 95 SOUTHBOUND
BRIDGE PRESERVATION PROJECT
FEDERAL PROJECT NO. 02718410
PROJECT LENGTH: 0.75 MILES
BRIDGE NUMBERS
1455, 1456, and 5999

MATERIALS

Concrete:
Joint Headers Polyester Polymer Concrete (PPC)

BASIC DESIGN STRESSES

Concrete:
PPC f 'c = 3,000 psi

TRAFFIC DATA

Current (2024) AADT 11010
Future (2036) AADT 11670
DHV - % of AADT 11%
Design Hour Volume 1284
Heavy Trucks (% of AADT) 20%
Heavy Trucks (% of DHV) 13%
Directional Distribution (% of DHV) 100%
18 kip Equivalent P 2.0 3913
18 kip Equivalent P 2.5 3727
Design Speed (mph) 75

LIST OF DRAWINGS

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General Construction Notes and Estimated Quantities	3
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Bridge Plans	5-7

MAINTENANCE OF TRAFFIC

Staged construction with lane closures for Bridge 1455, 1456, and 5999.

PROJECT LOCATION	I-95 Southbound Between Fairfield and Benton, Maine
PROGRAM AREA	Bridge Program
OUTLINE OF WORK	Joint Modifications

WIN 27184.10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE

7-30-24

COMMISSIONER:

7-29-2024

CHIEF ENGINEER:

7-29-2024

STATE OF MAINE
ROBERT S. BLUNT
11158
PROFESSIONAL ENGINEER

7/19/24

DATE:

PROJECT INFORMATION

PROGRAM

PROJECT MANAGER

DESIGNER

CONSULTANT

PROJECT RESIDENT

CONTRACTOR

PROJECT COMPLETION DATE

Bridge

Troyis W. Hamel

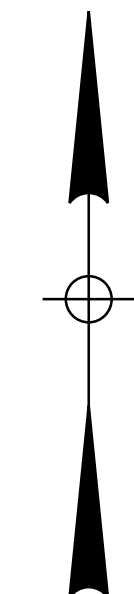
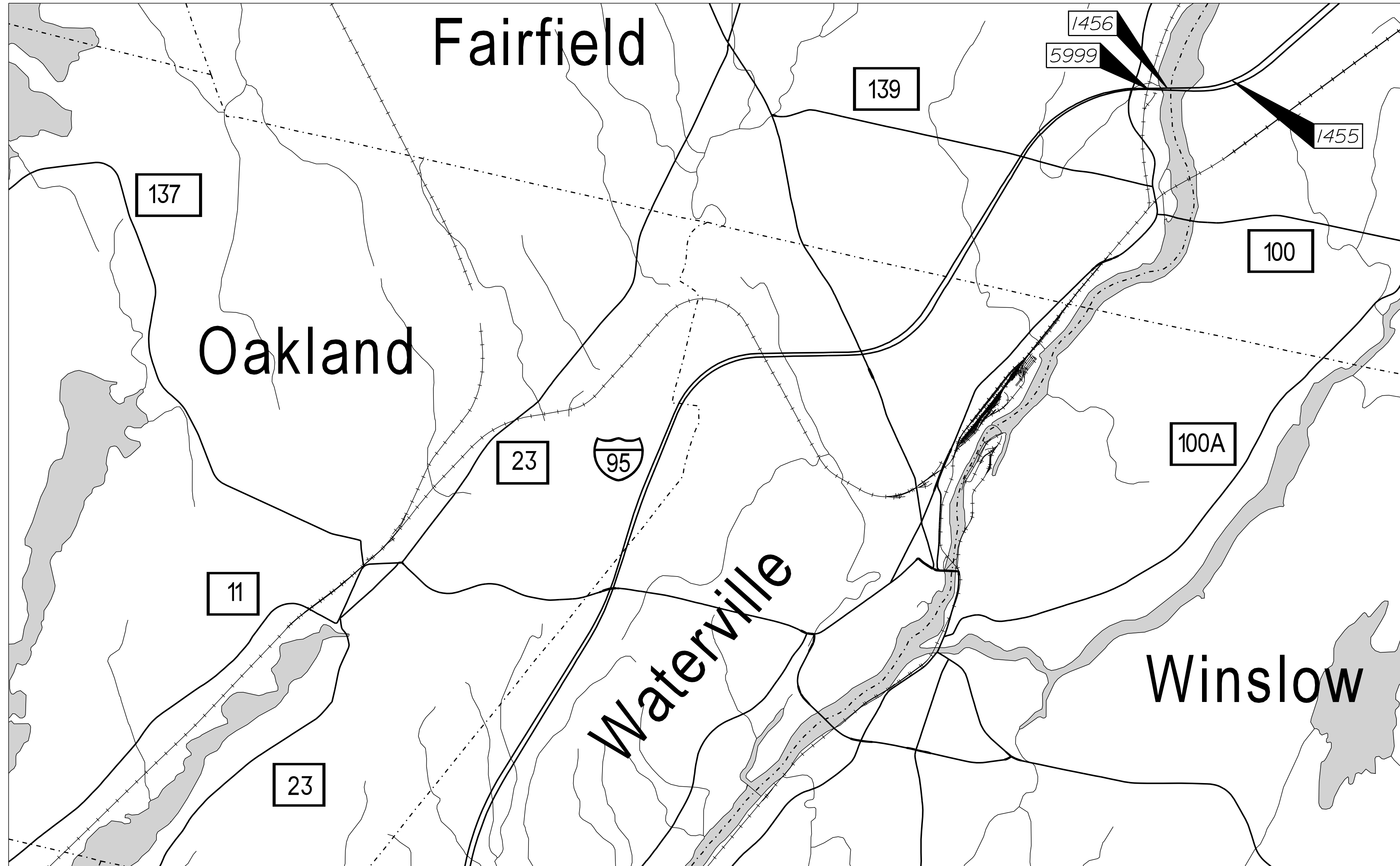
B. Reeves

VHB

INTERSTATE 95 SOUTHBOUND
BRIDGE JOINT REHABILITATIONS
FAIRFIELD-BENTON KENNEBEC COUNTY

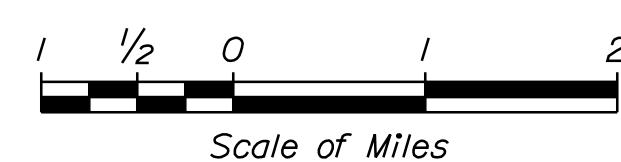
TITLE SHEET

SHEET NUMBER
1
OF 7



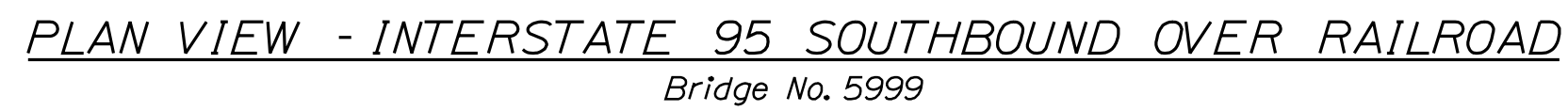
LOCATION MAP

PLAN



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	 vhb				27184.10			
					WIN 27184.10			
					AS NOTED			
					BRIDGE PLANS			
INTERSTATE 95 SOUTHBOUND BRIDGE JOINT REHABILITATIONS FAIRFIELD-BENTON KENNEBEC COUNTY					PROJ. MANAGER AURELE GORNEAU	BY	DATE	
BRIDGE LOCATION MAP					DESIGN-DET AILED ELW	MJC	7/19/2024	
					CHECKED-REVIEWED BUR	R.S. Blunt	7/19/2024	
					DESIGN2-DET AILED2			
					DESIGN3-DET AILED3			
					REVISIONS 1			
					REVISIONS 2			
					REVISIONS 3			
					REVISIONS 4			
					FIELD CHANGES			
SHEET NUMBER					2			OF 7

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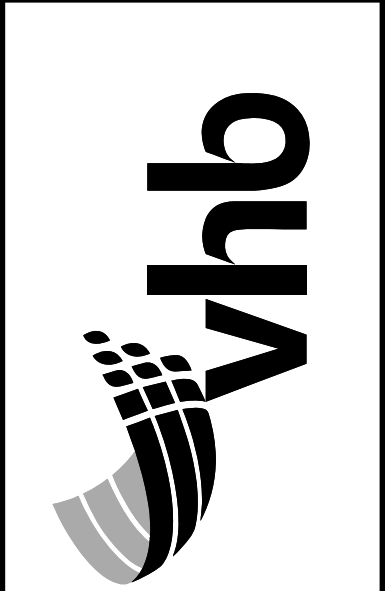
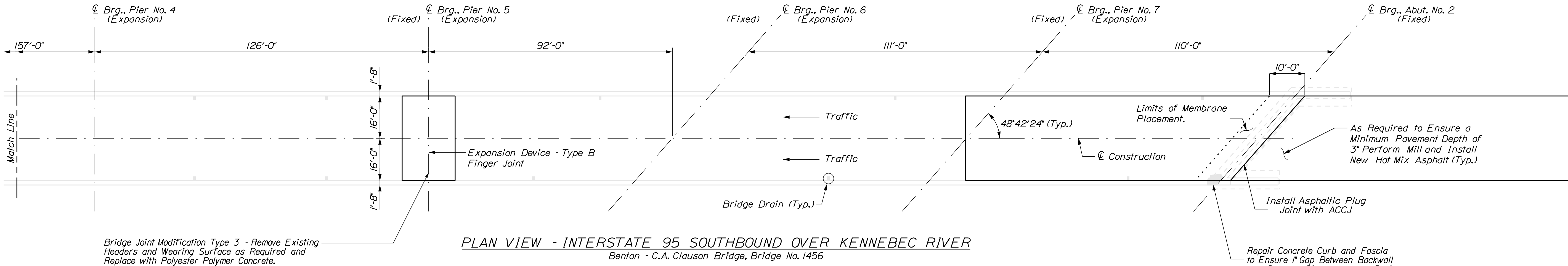
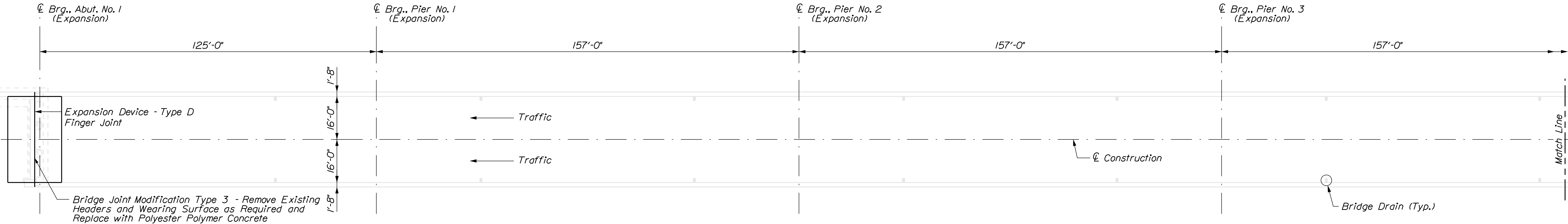
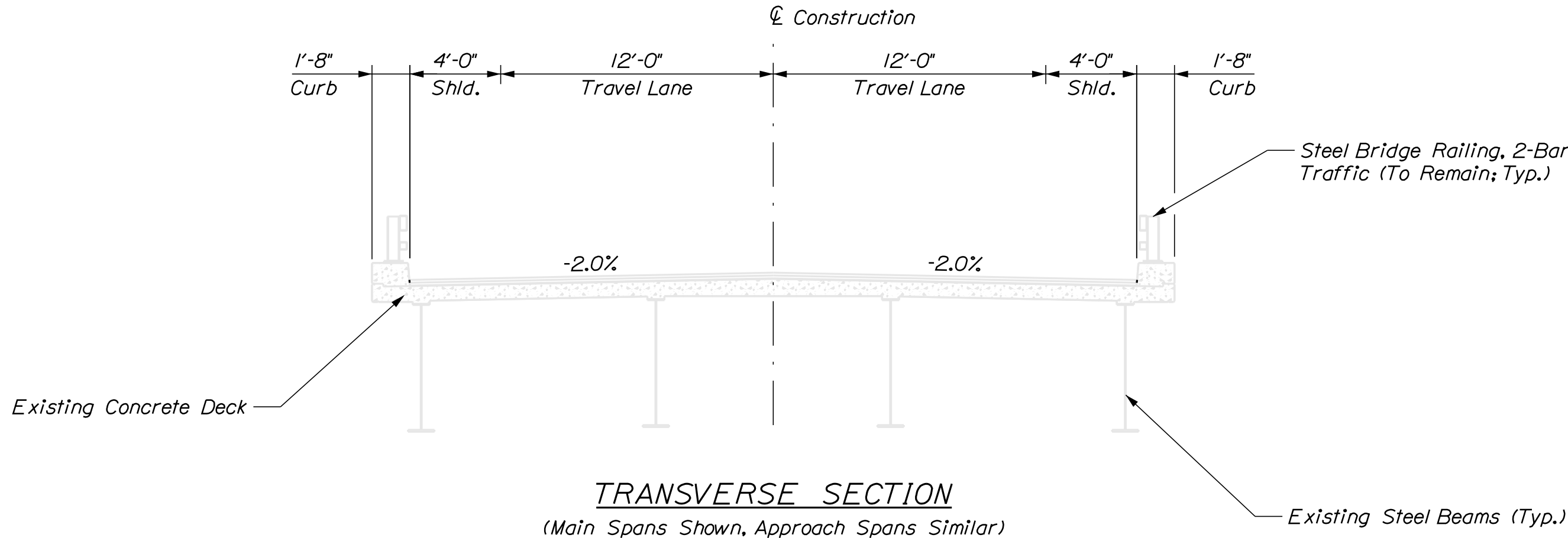
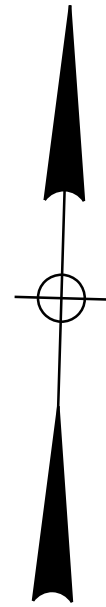
Movement Ratings are rounded up to the nearest 1/8".
The Movement Rating at Abutment No. 1 is approximately 1 5/8".

Date: 7/19/2024

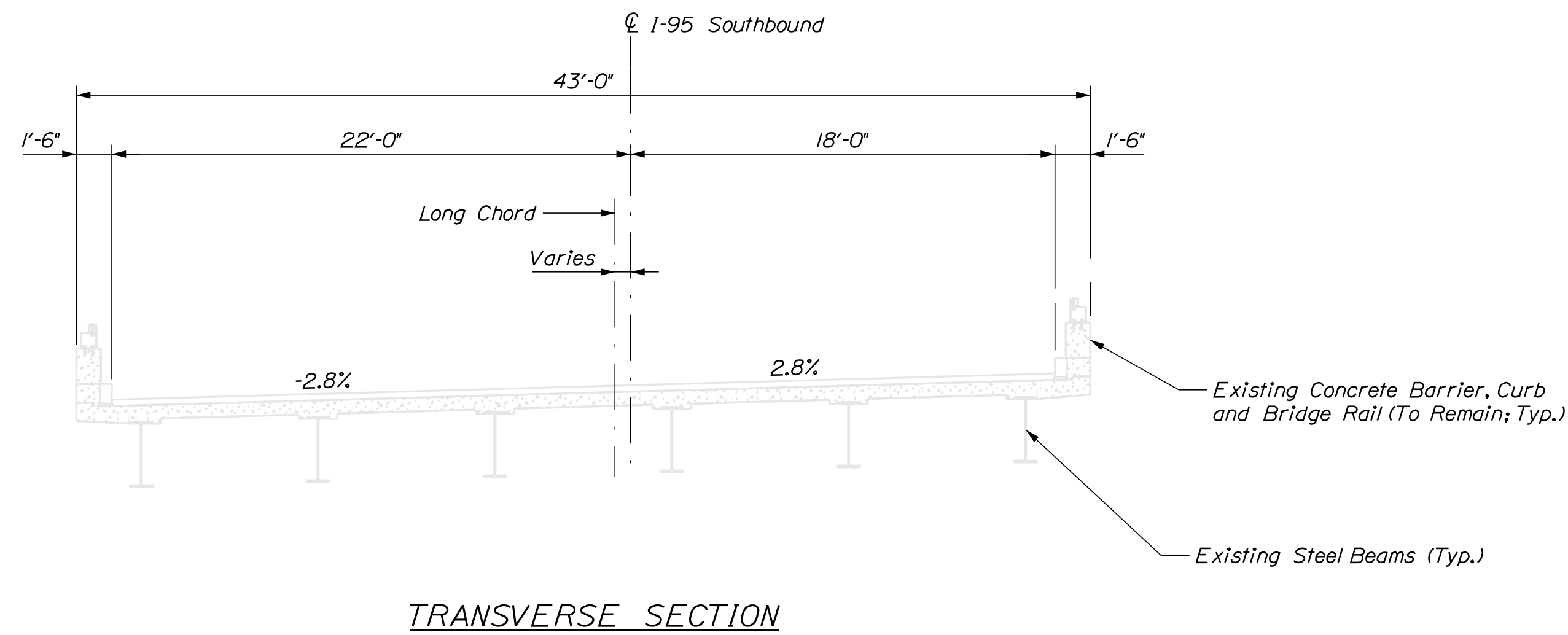
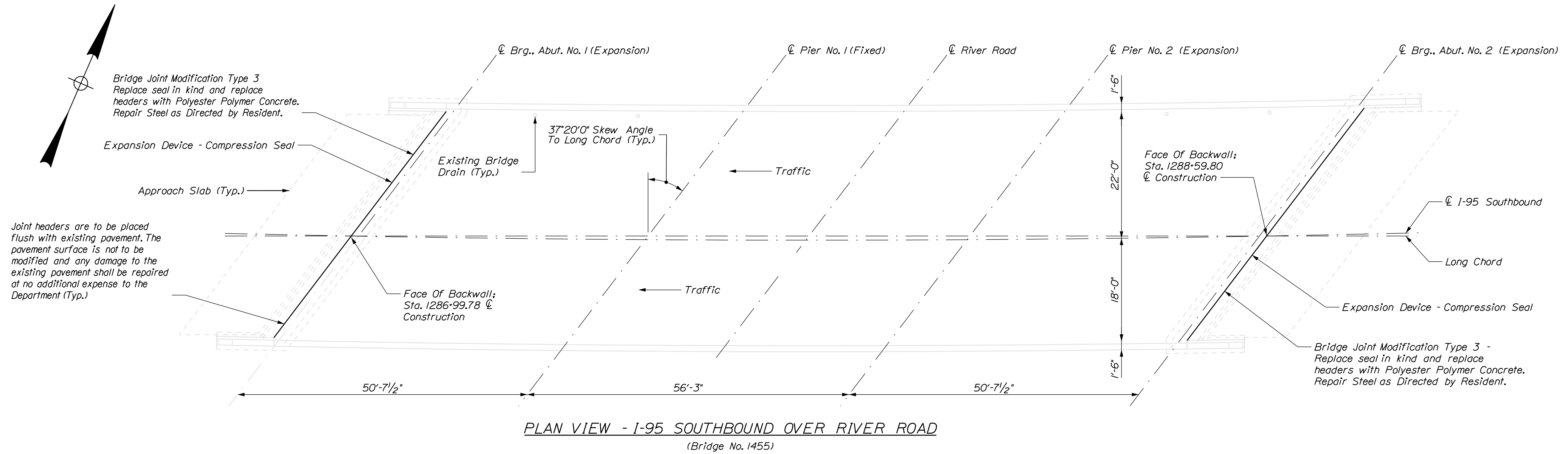
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Division: HIGHWAY

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PROJ. MANAGER	AURELE CORNEAU	BY	DATE
DESIGN-DETAILED	ELW	MUC	7/19/2024
CHECKED-REVIEWED	BAR	R.S. BURR	7/19/2024
DESIGN-DETAILED	ED3		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



MOVEMENT RATING:

Movement Rating are rounded up to the nearest 1/8".

The Movement Rating at Abutment No. 1 is approximately $\frac{3}{4}$ ".

The Movement Rating at Abutment No. 2 is approximately $1\frac{3}{8}$ ".

INTERSTATE 95 SOUTHBOUND BRIDGE JOINT REHABILITATIONS FAIRFIELD-BENTON KENNEBEC COUNTY	PROJ. MANAGER: AURELE CORNEAU	BY:	DATE
	DESIGN-DETAILED ELM	MJC	7/19/2024
	CHECKED-REVIEWED BJR	R.S. Blunt	7/19/2024
	DESIGN2-DETAILED2		
	DESIGN3-DETAILED3		
BRIDGE PLANS (3 OF 3)	REVISIONS 1		
	REVISIONS 2		
	REVISIONS 3		
	REVISIONS 4		
	FIELD CHANGES		
			
STATE OF MAINE DEPARTMENT OF TRANSPORTATION			
27184.10			
WIN			
BRIDGE NO. 1455 27184.10 BRIDGE PLANS			