

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION



**TRAFFIC DATA**

Current (2019) AADT.....	1290
Future (2039) AADT.....	1420
DHV - % of AADT.....	13
Design Hour Volume.....	185
Heavy Trucks (% of AADT).....	5
Heavy Trucks (% of DHV).....	2
Directional Distribution (% of DHV).....	54
18 kip Equivalent P 2.0.....	20
18 kip Equivalent P 2.5.....	19
Design Speed (mph).....	45

**MATERIALS**

Concrete: ..... Class "A"

**BASIC DESIGN STRESSES**

Class A Concrete ..... f'c = 4000 psi

**UTILITIES**

Central Maine Power Company  
Fairpoint Communications  
Spectrum Cable

**MAINTENANCE OF TRAFFIC**

Daily lane closures maintaining one lane of alternating one-way traffic controlled by flaggers. Two-way traffic will be maintained overnight.

**LIST OF DRAWINGS**

Title Sheet.....	1
Estimated Quantities & General Construction Notes.....	2
Pier Details.....	3

## WEST GARDINER - LITCHFIELD KENNEBEC COUNTY TAPPAN BRIDGE OVER COBBOSSEECONTEE STREAM HALLOWELL LITCHFIELD/HALLOWELL ROAD FEDERAL PROJECT NO. 2237600 PROJECT LENGTH 0.03 mi. BRIDGE NO. 2834

02237600 WIN 022376.00

<b>PROJECT LOCATION</b>	Tappan Bridge which carries Hallowell Litchfield/Hallowell Road over Cobbosseecontee Stream at the West Gardiner/Litchfield town line Lat./Long. : 44°-13'-17"/69°-55'-09"
<b>PROGRAM AREA</b>	Highway Bridges - Traditional
<b>OUTLINE OF WORK</b>	Bridge Substructure Rehabilitation

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
DATE 2-13-23
COMMISSIONER: [Signature]
CHIEF ENGINEER: [Signature]

SIGNATURE: [Signature]  
 P.E. NUMBER: 13725  
 DATE: 2-7-23

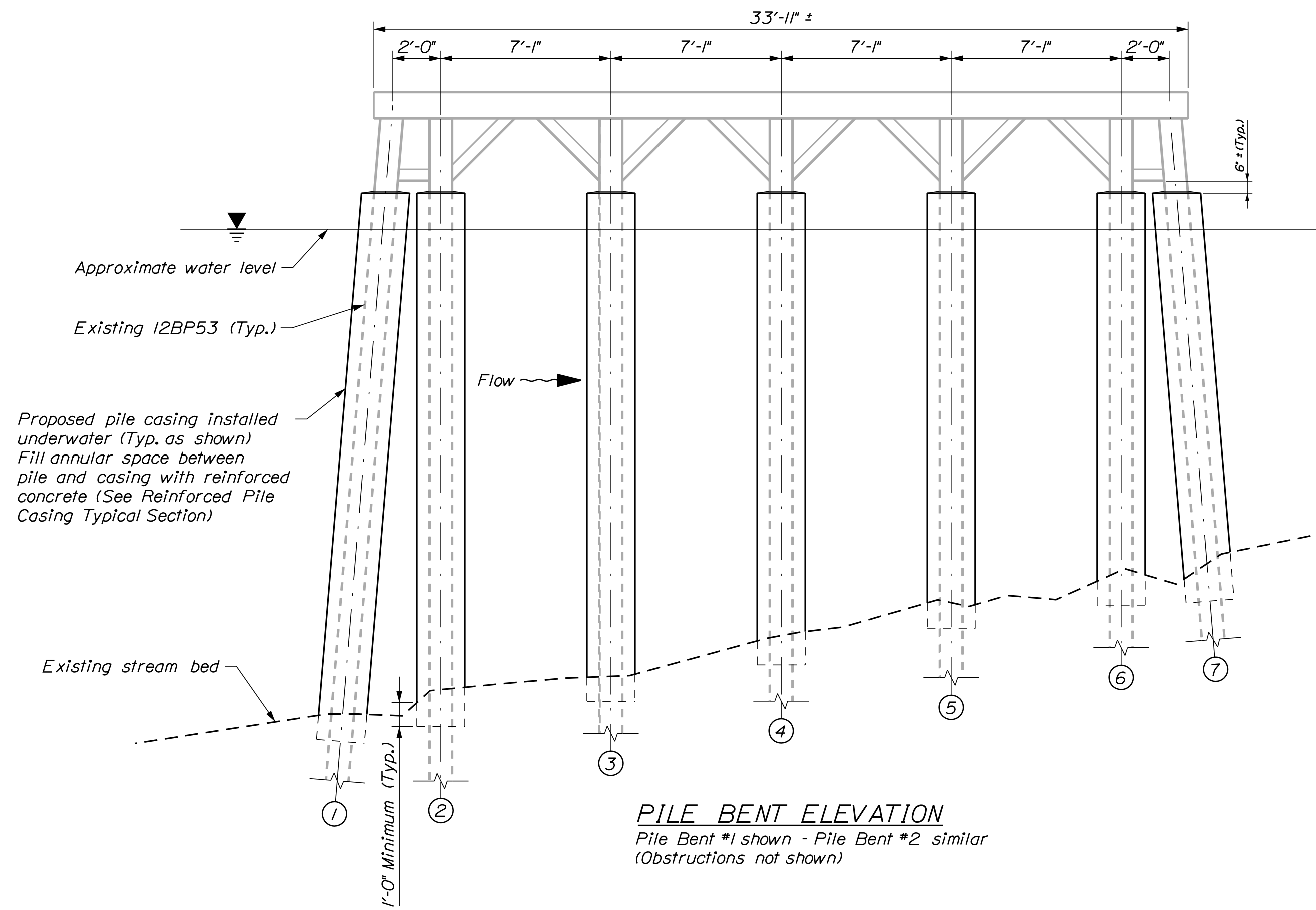
PROJECT INFORMATION
PROGRAM: BRIDGE
PROJECT MANAGER: D. EATON
DESIGNER: D. EATON
CONSULTANT:
PROJECT RESIDENT:
CONTRACTOR:
PROJECT COMPLETION DATE:

**TAPPAN BRIDGE OVER  
COBBOSSEECONTEE STREAM  
W. GARDINER-LITCHFIELD KENNEBEC**

**TITLE SHEET**  
  
 SHEET NUMBER  
**1**  
 OF 3

Filename: \\00\BRIDGE\MSTA\001\_Title.dgn    Division: BRIDGE    Username: devan.c.eaton    Date: 2/7/2023





**PILE BENT ELEVATION**  
Pile Bent #1 shown - Pile Bent #2 similar  
(Obstructions not shown)

Pile No.	Casing Length
<b>Pier 1</b>	
1	23'-2"
2	22'-9"
3	21'-0"
4	19'-7"
5	18'-5"
6	17'-2"
7	17'-1"
<b>Pier 2</b>	
1	21'-8"
2	21'-4"
3	21'-2"
4	21'-0"
5	20'-10"
6	20'-8"
7	20'-9"

**PILE CASING NOTE:**

- Dimensions and elevations provided are for reference only. Present conditions may vary. Please refer to the existing bridge plans and Standard Specifications Subsection 102.3, Examinations of Documents, Site and Other Information.
- All materials utilized to install pile casings for a pile with an obstructed bottom, may be left in place and do not need to be removed. Payment for these materials will not be paid separately, and shall be considered incidental to item 501.251 Pile Casings.
- Concrete plugs are only required for Alternative 1 style casings.

