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11-8-1976

**Mile Brook Bridge in the Town of Howland, Penobscot County,  
Project No. OS-K33 (172-159), November 8, 1976**

Maine Department of Transportation

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**STATE OF MAINE**  
**DEPARTMENT OF TRANSPORTATION**



**BUREAU OF HIGHWAYS**  
**MILE BROOK BRIDGE**  
**IN THE TOWN OF**  
**HOWLAND**  
**PENOBSCOT COUNTY**  
**PROJECT NO. OS-K33(D)**

CONVENTIONAL SIGNS	
COUNTY LINES	TRAVELLED WAY - PROPOSED
TOWN LINES	UNDERGROUND UTILITIES - EXISTING
PROPERTY LINES	UNDERGROUND UTILITIES - PROPOSED
R/W LINES - EXISTING	RAILROAD - SINGLE TRACK
R/W LINES - NEW - ACCESS CONTROL	RAILROAD - DOUBLE TRACK
R/W LINES - NEW - NO ACCESS CONTROL	UTILITY POLE - EXISTING
CULVERT - EXISTING	UTILITY POLE - JOINT OCCUPANCY
CULVERT - PROPOSED	PROPOSED UTILITY POLE - TEMPORARY
CURBING - EXISTING	PROPOSED UTILITY POLE - PERMANENT
CURBING - PROPOSED	TREES
TRAVELLED WAY - EXISTING	WOODS

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HIGHWAY STANDARDS	
AUG. 1969 (5)	GUARD RAIL, EROSION CONTROL
AUG. 1969 (6)	GUARD RAIL, ETC.
AUG. 1969 (11)	BARRICADES AND WARNING SIGNS
AUG. 1969 (12)	FIELD OFFICES

**SPECIFICATIONS**

DESIGN—A.A.S.H.T.O. Standard Specifications for Highway Bridges 1973 with interim specifications 1974, 1975.

CONTRACT—State of Maine, State Highway Commission Standard Specifications Highways and Bridges, Revision of June 1968.

**DESIGN LOADING**

LIVE LOADING ————— HS 20-44

**HYDROLOGIC DATA**

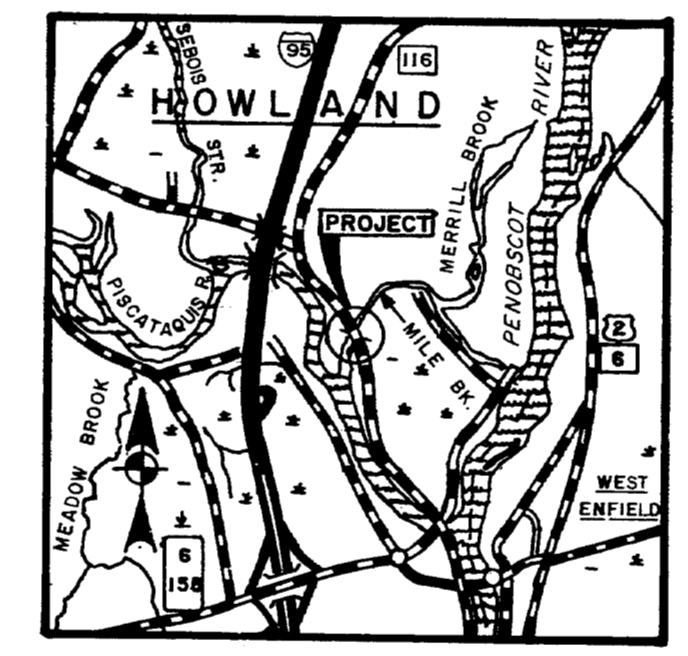
DRAINAGE AREA ———— 1.3 sq. mi. plus overflow from Penobscot River.

DESIGN DISCHARGE (Q50) ————— 2200 c.f.s.

DESIGN VELOCITY (Q50) ————— 12 f.p.s.

HEADWATER ELEVATION (Q50) ————— 95 to 98  
(depends on Piscataquis River stage)

CHECK DISCHARGE (Q100) ————— 2600 c.f.s.



LOCATION MAP  
SCALE OF MILES

**TRAFFIC DATA**

A.D.T. 420 1976 \_\_\_\_\_

A.D.T. 580 1996 \_\_\_\_\_

D.H.V. 75 \_\_\_\_\_

T. (%) 15 \_\_\_\_\_

D. (%) 8 \_\_\_\_\_

V. \_\_\_\_\_

P.S.D. (%) \_\_\_\_\_

18 KIPS \_\_\_\_\_

APPROVED:

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

*Edgar J. Mavin* COMMISSIONER      DATE 11/2/76

*Richard A. Putnam* CHIEF ENGINEER AND BUREAU DIRECTOR      DATE 11/2/76

*Revised As Built  
A. H. Gatchell 1980*

UNITED STATES  
DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
REGION 1

APPROVED:

\_\_\_\_\_  
DIVISION ENGINEER      DATE

**172-159**