

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS



PROPOSED IMPROVEMENT
BRIDGE PROJECT

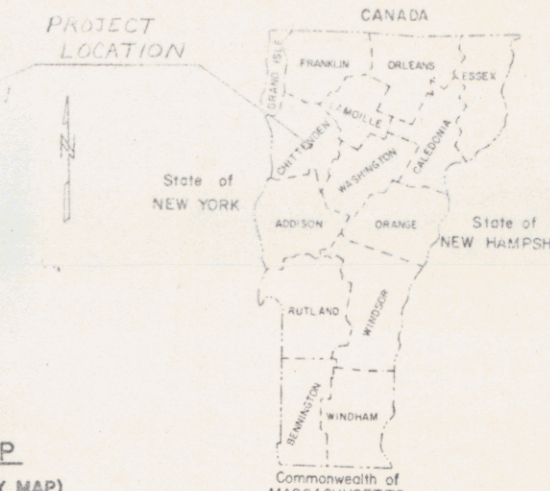
TOWN OF JERICHO
COUNTY OF CHITTENDEN

ROUTE NO: Vt. Rte 117 BRIDGE NO: 7

PROJECT LOCATION: BEGINNING AT A POINT ON VT. RTE. 117, 1.282 MILE
SOUTHERLY OF THE ESSEX - JERICHO TOWN LINE AND EXTENDING SOUTHERLY
1.282 MILE TO VT. RTE. 117 FOR 0.073 MILE.
PROJECT DESCRIPTION: THIS PROJECT INCLUDES REMOVING THE EXISTING
CONCRETE T-BEAM BRIDGE, CONSTRUCTING A NEW SINGLE SPAN ROLLED
BEAM COMPOSITE BRIDGE, NEW ABUTMENTS AND RELATED ROADWAY AND
CHANNEL WORK.

LENGTH OF STRUCTURE:	66.0 FEET	W 36' 170
LENGTH OF PARTICIPATION ROADWAY:	434.0 FEET	(A58A)
LENGTH OF NON-PARTICIPATION ROADWAY:	FEET	
LENGTH OF PROJECT:	500.0 FEET	
LENGTH OF ROW PROJECT:	600.0 FEET	

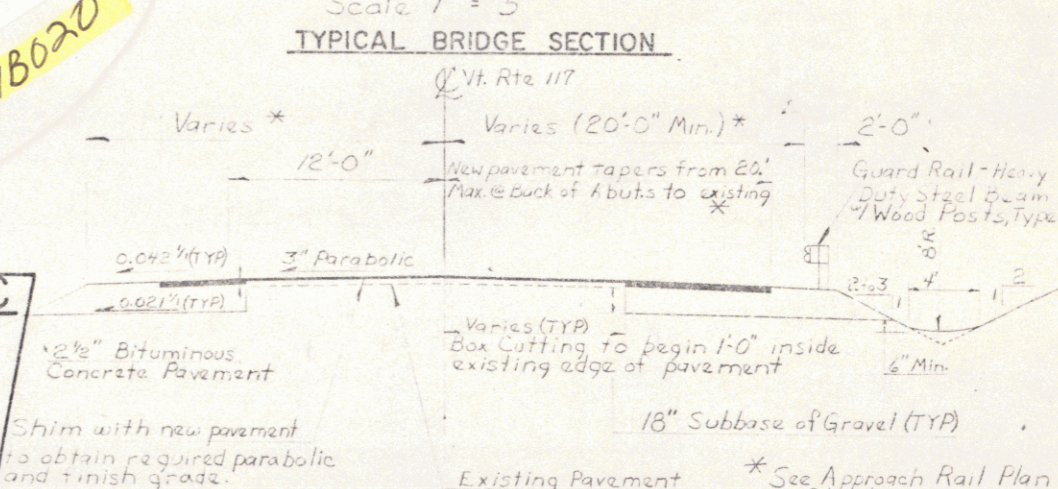
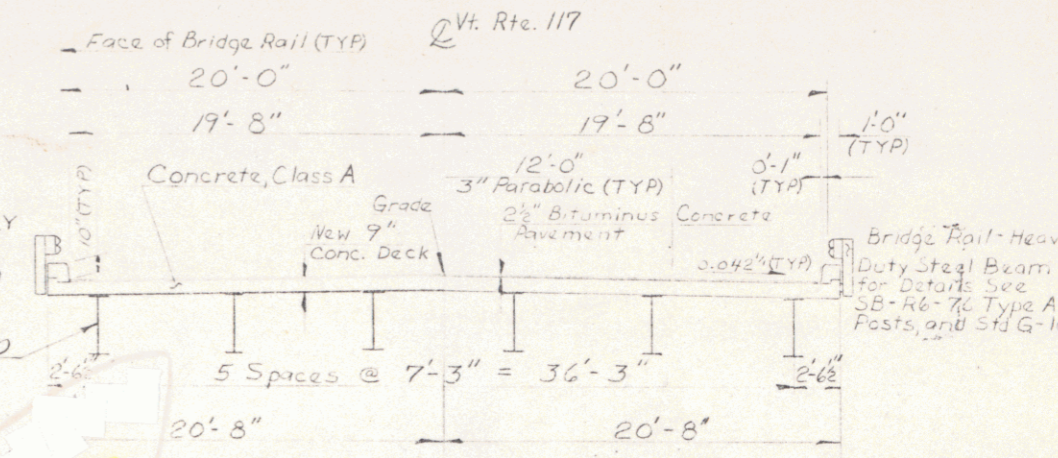
Traffic Data
1978 ADT = 1880
1998 ADT = 2610
1998 DHV = 315
D = 52%
T = 5%
V = 50 MPH



ROW PLANS

GENERAL NOTES:

1. GENERAL NOTES PERTAINING TO SPECIFICATIONS AND CONSTRUCTION NOT SHOWN ON THESE PLANS ARE ON STANDARD DRAWING SUB-DI-75. NOTES ON THE STANDARD WHICH APPLY TO THE PROJECT ARE NO. 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, AND 15.
2. THE NEW STRUCTURE IS DESIGNED FOR AN AASHTO H13-25-44 LIVE LOAD. THE ABUTMENTS ARE DESIGNED TO SET ON PILES WITH A MAXIMUM OF 90 KIPS (DESIGN LOAD) PER PILE.



BEGIN ROW PROJECT
BRS 0224(2) STA. 6+50.0

END ROW PROJECT
BRS 0224(2) STA. 12+50.0



CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---
POINT OF ACCESS	X
FENCE LINE	---
STONE WALL	---
TRAVELED WAY	---
GUARD RAIL	---
RAILROAD	---
SURVEY LINE	---
CULVERT	---
POWER POLE	○
TELEPHONE POLE	○
TREES	○
F.A. CONST IDENTIFICATION SIGNS	▲
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	---
TOP OF CUT	---
TOE OF SLOPE	---

HYDRAULIC DATA

Drainage Area = 16.0 Sq. Mi.
Q2.33 = 800 cfs HW EL. 292.6
Q10 = 1500 cfs HW EL. 294.4
Q25 = 2000 cfs HW EL. 296.1
Q50 = 2400 cfs HW EL. 297.6
Q100 = 2800 cfs HW EL. 297.3

Velocity @ Q50 = 12 fps
Tollwater EL @ Q50 = 294.4
CLW = 15 cfs (13'); OAW = 50 cfs (20')

Stone Fill Type II (Northernly Banks)
Stone Fill Type II (Southernly Banks)

TEMPORARY STRUCTURE DATA:

1. 20' x 6' bridge, HW = 6.3'
2. 4 - 12" CMP's, HW = 6.6'
3. 3 - 90" CMP's, HW = 6.9'
4. 3 - 8'-2" x 5'-9" CGMPRAS, HW = 6.4'
5. Any other structure arrangement with a minimum waterway of 120 sq. ft. and approval by the Hydraulic Division Office prior to installation.

RIGHT-OF-WAY DIVISION
TOWN FILE

PERPETUAL

Town of Vt 117

(To Be Returned To R.O.W. Division)
MP 1.28 to 1.38

APPROVED: W. R. [Signature]
CHIEF, PROPERTY ADMINISTRATION
DATE: 12-27-75

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
APPROVED: L. J. Gage
CHIEF ENGINEER DATE: 12/27/75

PROJECT: JERICHO NO. BRS 0224(2)
SHEET: 1 OF 4 SHEETS

Bridge #7

DEC 21 1981