

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS



PROPOSED IMPROVEMENT
BRIDGE PROJECT

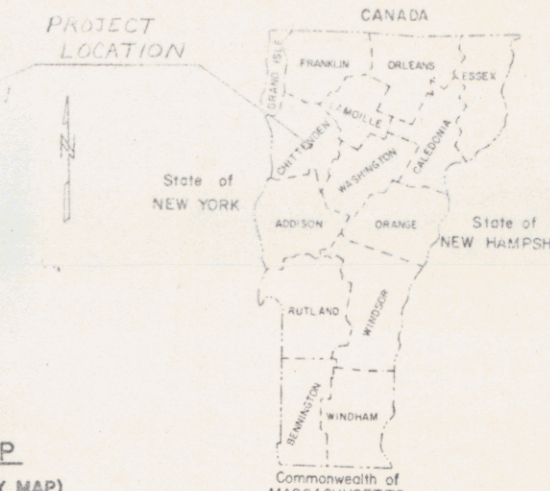
TOWN OF JERICHO
COUNTY OF CHITTENDEN

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	

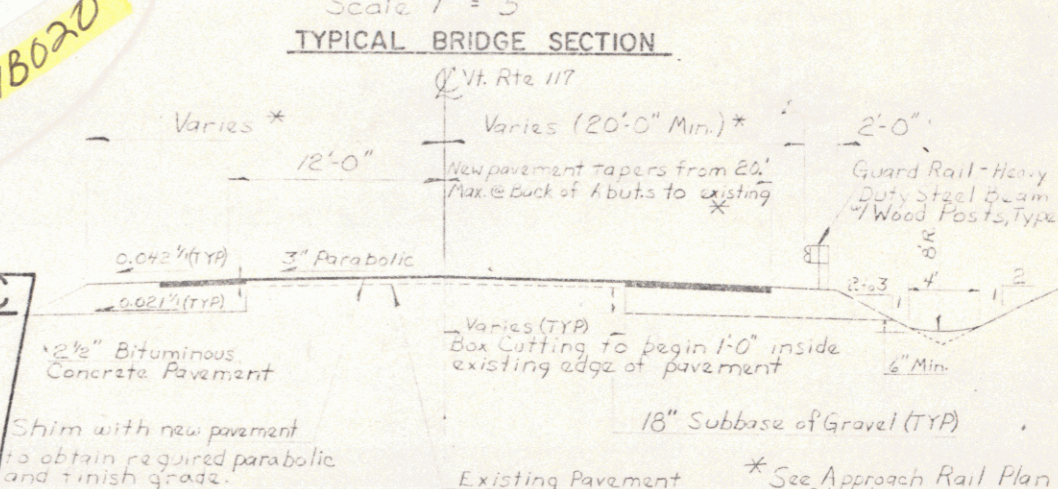
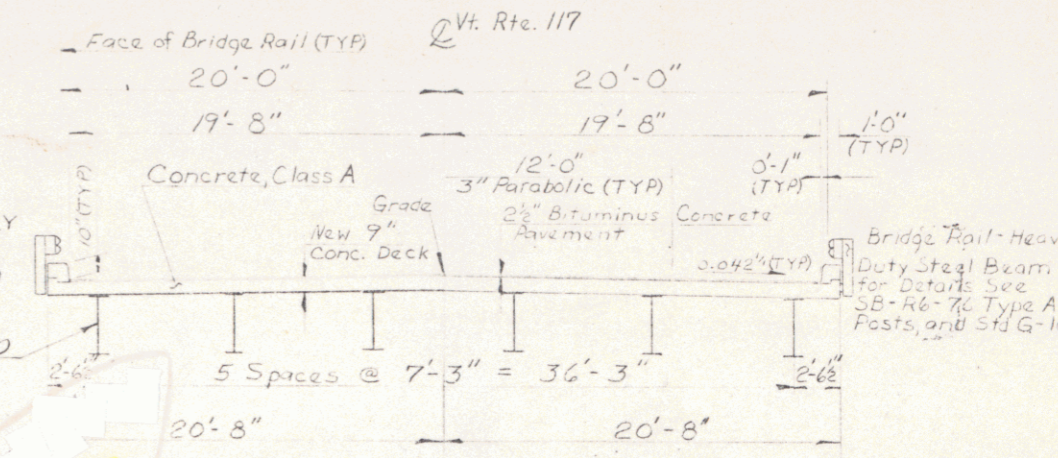
Traffic Data
1978 ADT = 1880
1998 ADT = 2610
1998 DHV = 315
D = 52%
T = 5%
V = 50 MPH



ROW PLANS

GENERAL NOTES:

1. GENERAL NOTES PERTAINING TO SPECIFICATIONS AND CONSTRUCTION NOT SHOWN ON THESE PLANS ARE ON STANDARD DRAWING SLB-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 HS-20-44 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
 Tailwater EL @ Q50 = 294.4
 CLW = 15 cfs (13'); OAW = 50 cfs (20') prior to installation.

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 DATE: 12/27/75
CHIEF ENGINEER

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

Bridge #7

DEC 21 1981

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1A	FAY, DONALD B. & LOUISE P.	3	6+50 RT. 6+50 RT. 10+10 RT. 11+10 RT.	12+50 RT. 7+25 RT. 10+35 RT.	0.43 A±		CONST. EASE (T) (0.02 A±) CONST. EASE (T) (352 S.F.±) DRIVE RT. (T)	WD	5-11-79	JERICO	60	247/9	(975 S.F.±)
1B		3	7+00 LT. 6+50 LT. 6+50 LT. 10+10 LT.	12+50 LT. 7+25 LT. 8+40 LT. 12+50 LT. TOTAL	0.58 A± 1.01 A±		CONST. EASE (T) (0.01 A±)						(460 S.F.±) FENCE FENCE

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

MADE BY: P.J.H. DATE 12/27/78
CHECKED BY: W.E.B. DATE 12/27/78

DR. RT. — DRAINAGE RIGHT
DIT. RT. — DITCHING RIGHT
CH. RT. — CHANNEL RIGHT
DRIVE RT. — DRIVE RIGHT
CUL. RT. — CULVERT RIGHT
⓪ — DEMOLITION OR REMOVAL
W — WATER SOURCES

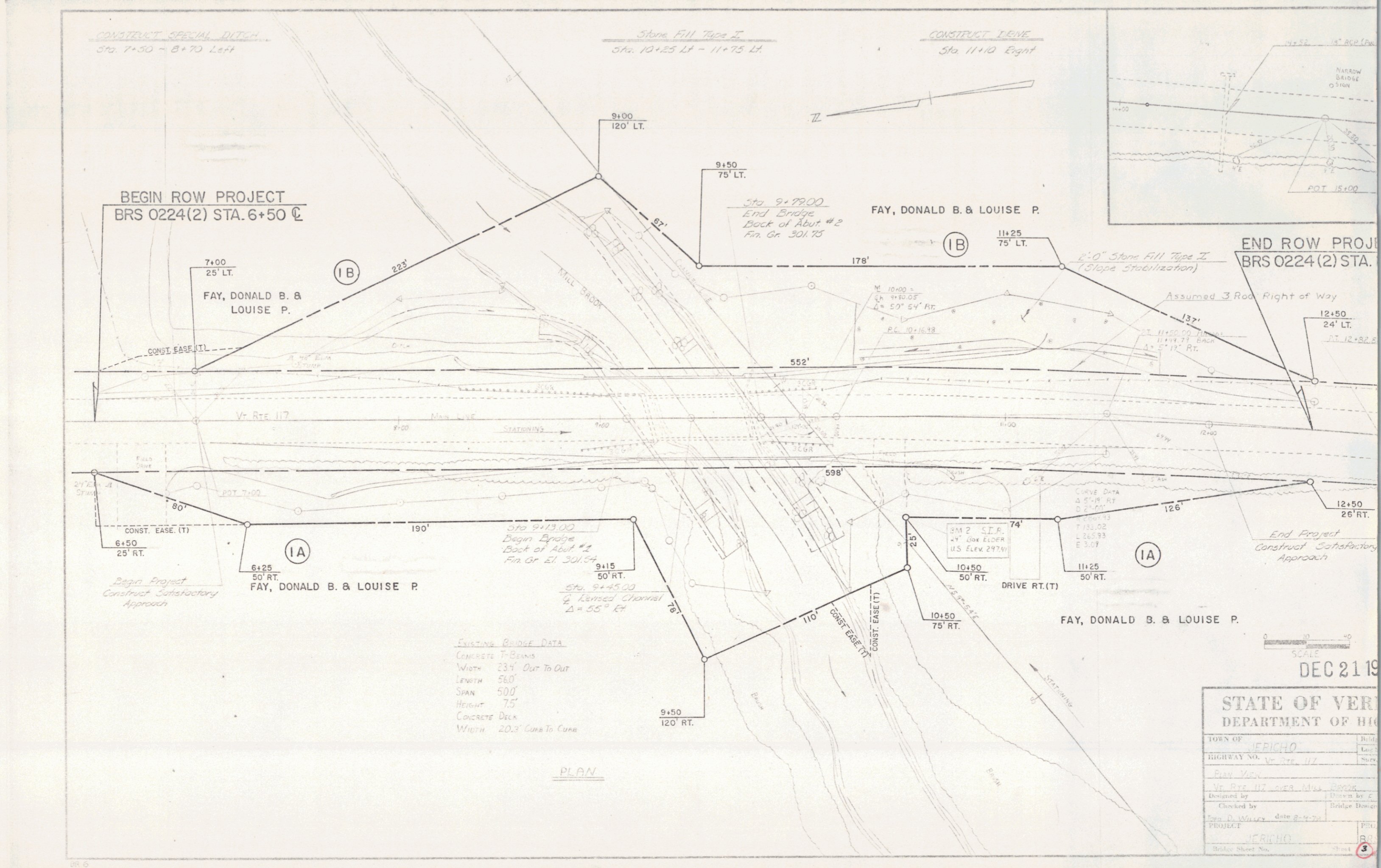
————— PRESENT R.O.W.
/// — — — — TAKING WITHOUT ACCESS
/// — — — — TAKING WITHOUT ACCESS ALONG PROPERTY LINES
——— P ——— TAKING WITH ACCESS
(P) ————— PERMANENT EASEMENT
(T) ————— TEMPORARY EASEMENT

LEGEND
----- CONST. EASE ----- CONST. EASEMENT
SR ——— SR ——— SLOPE RIGHTS
P ——— P ——— PROPERTY LINE
—△—△—△— TOP OF CUT
○ ——— ○ ——— TOE OF SLOPE

APPROVED [Signature] DATE 12-27-78
CHIEF OF PLANS & TITLES

PROJECT JERICO
NO.ERS 0224 (2)
SHEET 2 OF 4

DEC 21 1981



CONSTRUCT SPECIAL DITCH
Sta. 7+50 - 8+70 Left

Stone Fill Type II
Sta. 10+25 LT - 11+75 LT

CONSTRUCT LEVINE
Sta. 11+10 Right

BEGIN ROW PROJECT
BRS 0224(2) STA. 6+50 C

FAY, DONALD B. & LOUISE P.

Sta. 9+79.00
End Bridge
Back of Abut. #2
Fin. Gr. 301.75

FAY, DONALD B. & LOUISE P.

END ROW PROJ
BRS 0224(2) STA.

2'-0" Stone Fill Type II
(Slope Stabilization)

Assumed 3 Rod Right of Way

Begin Project
Construct Satisfactory
Approach

FAY, DONALD B. & LOUISE P.

Sta. 9+13.00
Begin Bridge
Back of Abut. #2
Fin. Gr. El. 301.54

Sta. 9+25.00
Leveled Channel
 $\Delta = 55^\circ$ Rt

BM 2 S.I.P.
4" GAX ELODR
U.S. ELEV 297.91

FAY, DONALD B. & LOUISE P.

End Project
Construct Satisfactory
Approach

EXISTING BRIDGE DATA
CONCRETE T-BEAMS
WIDTH 23'4" Out To Out
LENGTH 56'
SPAN 50'
HEIGHT 7'5"
CONCRETE DECK
WIDTH 20.3' Core To Core

PLAN

SCALE
DEC 21 19

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF	JERICHO	Rel'd
HIGHWAY NO.	Vt. Rte. 117	Sup'd
PLAN VIEW		Surv'd
By	Vt. Rte. 117 over Mill Brook	
Designed by		Drawn by
Checked by		Bridge Designer
Spec. D. Waiver	date 2-4-70	
PROJECT	JERICHO	PRJ
Bridge Sheet No.		Sheet