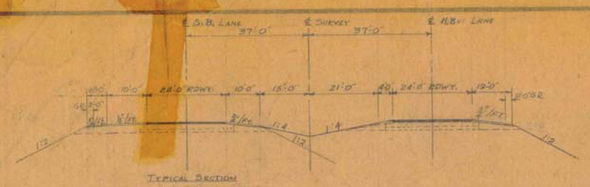
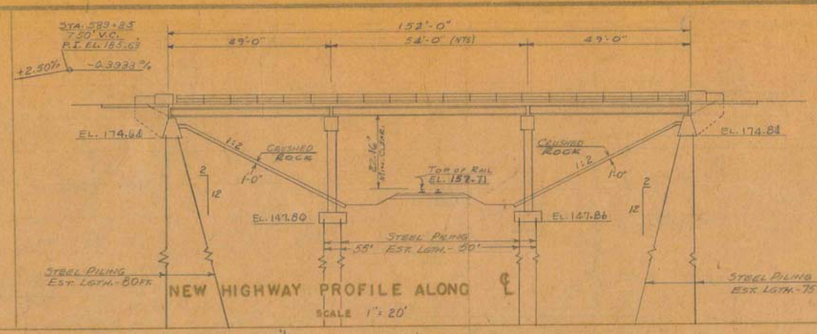


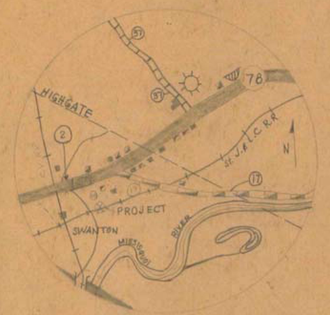
NEW HIGHWAY SECT. STA. 592+50 TO STA. 595+50

SCALE 1" = 20'

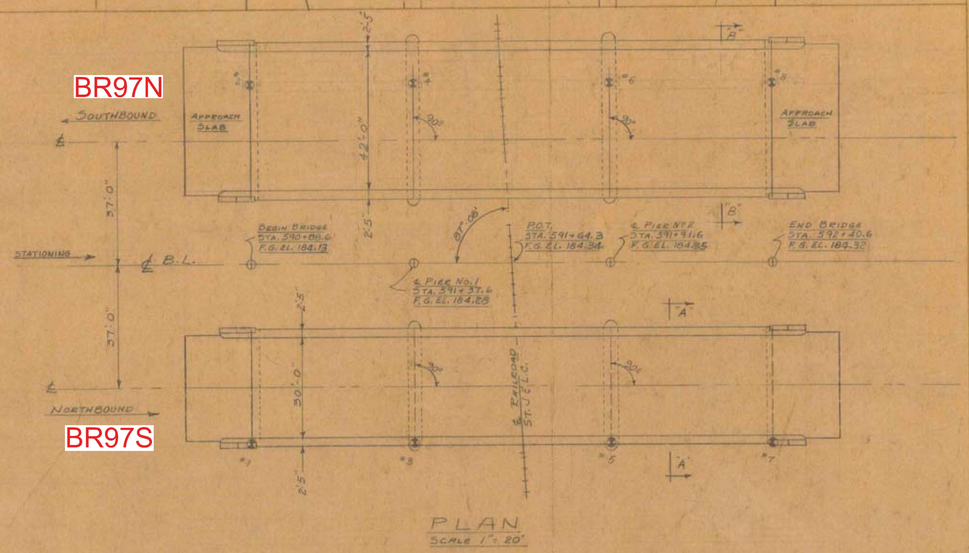


NEW HIGHWAY PROFILE ALONG ℄

SCALE 1" = 20'



BR97N

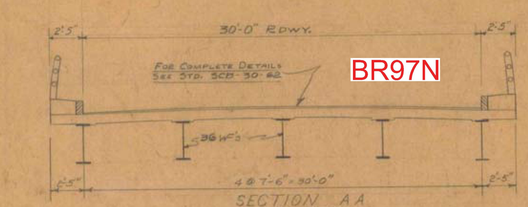


BR97S

PLAN

SCALE 1" = 20'

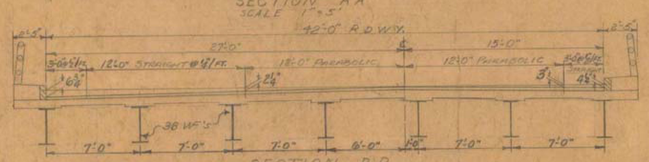
ONLY NORTH BOUND LANE TO BE BUILT AT PRESENT TIME



BR97N

SECTION A A

SCALE 1" = 5'



SECTION B B

SCALE 1" = 5'

BR97S

PROFILE OF PROPOSED STREAM CHANNEL

HIGHWAY NO 89 NAME OF HIGHWAY Interstate

STRUCTURE NO ____ COUNTY Franklin TOWN Swanton

PROJECT NO I 89-3(1) LOCATION Survey Station 591+64.3

Interstate over St J & L.C. Railroad (Two Structures)

EXISTING STRUCTURE

1 RATED LOADING OF EXISTING STRUCTURE None
2 TYPE OF EXISTING STRUCTURE
3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE
4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE ____ COST OF REMOVAL
5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE
6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT
7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE ____ WATERWAY TO ORDINARY H.W.
8 EXTREME HIGH WATER AT EXISTING STRUCTURE
9 SPAN OF EXISTING BRIDGE UPSTREAM ____ WATERWAY TO EXTREME H.W.
SPAN OF EXISTING BRIDGE DOWNSTREAM ____ WATERWAY TO EXTREME H.W.
10 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS
11 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE
12 IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED
13 ADDITIONAL WATERWAY AREA PROVIDED

NEW STRUCTURE

1 RECOMMENDED TYPE OF STRUCTURE Composite W Beam 49'-0"; 54'-0"; 49'-0" (Square)
2 RECOMMENDED CLEAR SPAN OR SPANS
MEASURED PARALLEL TO ℄ NEW HIGHWAY 43'-0"; 50'-0"; 45'-0"
MEASURED AT RIGHT ANGLES TO ℄ STREAM NA
3 ARE THERE OBJECTIONS TO A PIER IN THE STREAM; ANSWER YES OR NO NA
4 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE NA
5 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE NA SOURCE OF INFORMATION NA
6 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? NA
7 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NA IS ORDINARY RISE RAPID? NA
8 LOW WATER ELEVATION AT NEW STRUCTURE NA
9 DRAINAGE AREA IN ACRES ABOVE STRUCTURE NA CHARACTER OF TERRAINE NA
10 IS STREAM EVER DRY? NA
11 VELOCITY OF STREAM AT HIGH WATER STAGE NA ESTIMATED DISCHARGE NA
12 AREA FULL OPENING NA AREA BELOW ORDINARY H.W. NA
13 CHARACTER OF SCOUR NA DRIFT NA ICE NA
14 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE NA
15 VERTICAL CLEARANCE ABOVE ~~FLOOD ELEVATION~~ Top of Rail: 23.16' (Min.)
16 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE NO BOTH SIDES NO
17 RECOMMENDED TYPE OF PAVEMENT Conc. Slab with Bituminous Concrete Surface
18 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. NA ONE OR TWO WAYS NA PROBABLE COST NA
19 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE NA
20 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES?
21 ~~[illegible]~~ ALLOWABLE LOAD ON ~~[illegible]~~ PILES 40 TONS SHOULD PILES BE USED? YES EST. LGTH. 25'-0"

FOUNDATION INFORMATION

OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. BOULDERS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.

DESIGN SPECIFICATIONS
AASHO 1961 EDITION AND AS MODIFIED BY VERMONT DEPT OF HIGHWAYS.

LIVE LOAD:
H20 S16-44 AND MILITARY LOADING

DESIGN STRESSES:
STRUCT. STEEL 20 KSI
REINF. STEEL 20 KSI
CONCRETE 3000 PSI

For Boring Log see Borings Logs

SWANTON
IM 089-3(70)
SHEET 18 OF 31
FOR REFERENCE ONLY

BR97 N AND S

BR 303 OF 308

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE BRIDGE IN THE TOWNS OF SWANTON - HIGHGATE

ROUTE NO. 89 ~~LOC~~ STA 591+64.3

OVER ST. J. & L.C. RAILROAD

PRELIMINARY INFORMATION SHEET

SURVEYED BY Wilb-Mac RENWOOD | CHECKED BY | IN CHARGE | SCALE AS NOTED | DATE Feb. 23, 1959

PROJECT NO I-89-3 (32) SHEET 127 OF 204

COPIED A D Bailey BRIDGE ENGINEER | APPROVED H. E. Sargent CHIEF ENGINEER

Sheet 117 of 122

RECEIVED JULY 13 1959