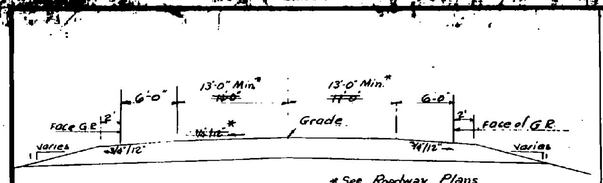
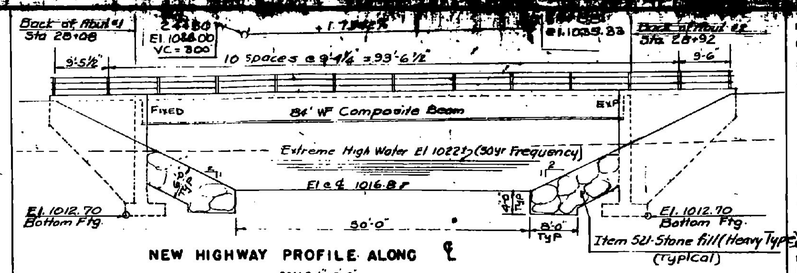


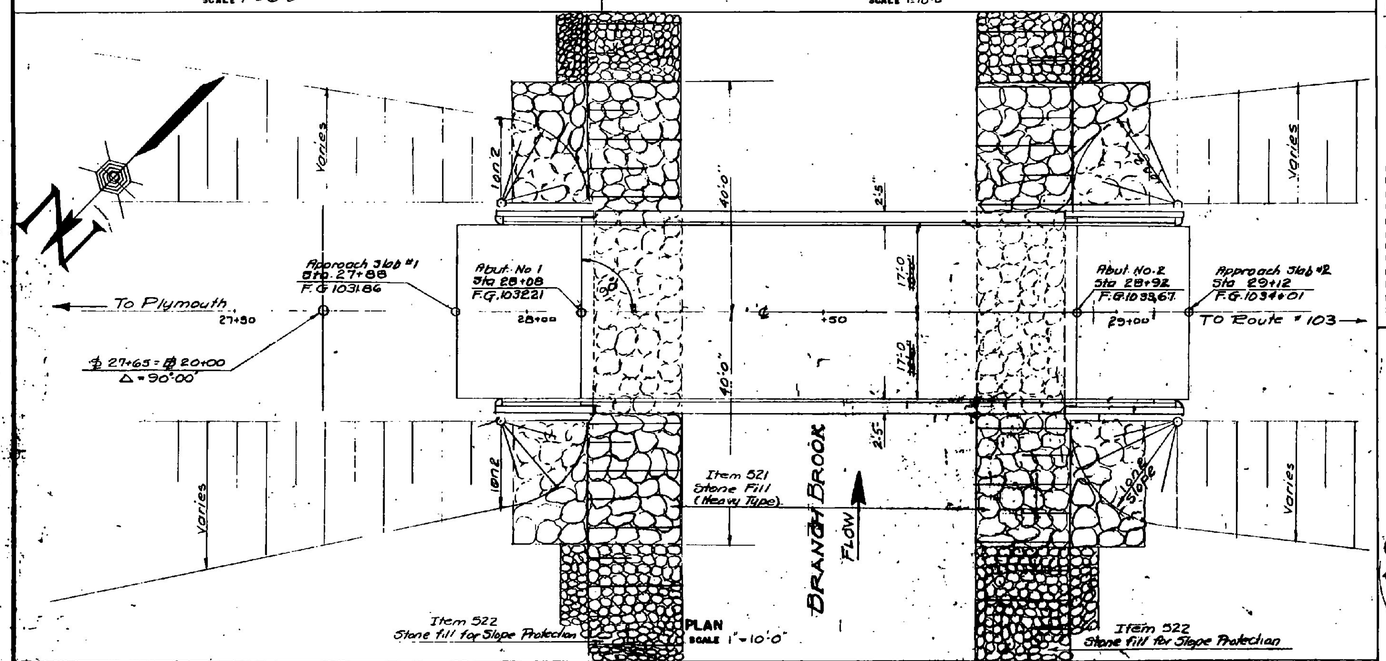
NEW HIGHWAY SECT. STA. 27+50± TO STA. 29+25±

SCALE 1" = 6'-0"



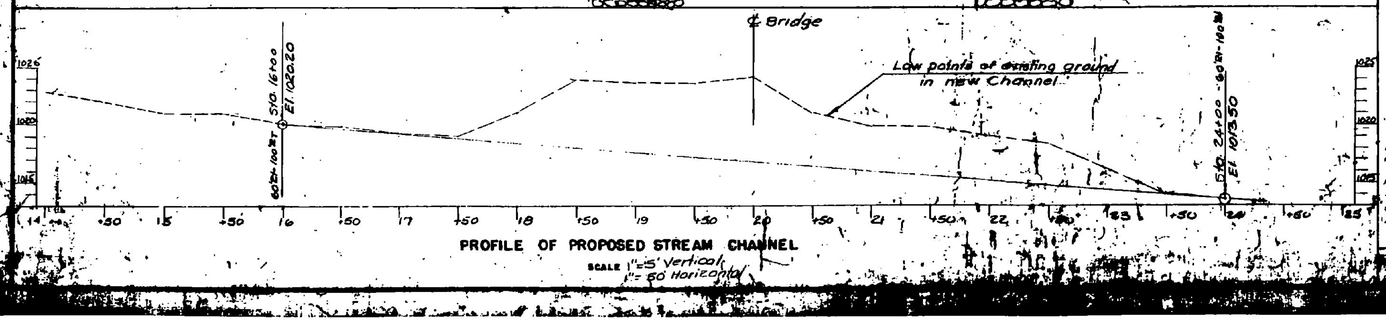
NEW HIGHWAY PROFILE ALONG ℄

SCALE 1" = 10'-0"



PLAN

SCALE 1" = 10'-0"



PROFILE OF PROPOSED STREAM CHANNEL

SCALE 1" = 5' Vertical
1" = 50 Horizontal

HIGHWAY NO VT. 100 NAME OF HIGHWAY

STRUCTURE NO. COUNTY WINDSOR TOWN LUDLOW

PROJECT NO F025-1(6) LOCATION BRANCH BROOK

EXISTING STRUCTURE

1 RATED LOADING OF EXISTING STRUCTURE H-15 Live Loading
2 TYPE OF EXISTING STRUCTURE Concrete I Beams
3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE 4.4±
4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE Remove COST OF REMOVAL $500.
5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE NO
6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT NO
7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE 1021± (4½) WATERWAY TO ORDINARY H.W. 128 ft²
8 EXTREME HIGH WATER AT EXISTING STRUCTURE
9 SPAN OF EXISTING BRIDGE UPSTREAM 39 WATERWAY TO EXTREME H.W. 500± sq ft.
SPAN OF EXISTING BRIDGE DOWNSTREAM None 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

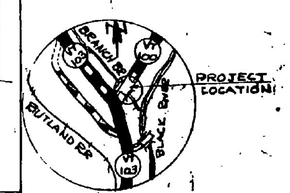
NEW STRUCTURE

1 RECOMMENDED TYPE OF STRUCTURE one 84' span Composite WF Beam
2 RECOMMENDED CLEAR SPAN OR SPANS one span 80
MEASURED PARALLEL TO ℄ NEW HIGHWAY 80'
MEASURED AT RIGHT ANGLES TO ℄ STREAM 80'
3 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO N.A
4 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE 1020 ± (3±)
5 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE 1022± SOURCE OF INFORMATION Computed
6 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? YES
7 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NO IS ORDINARY SIZE [illegible]
8 LOW WATER ELEVATION AT NEW STRUCTURE 1018± (1±)
9 DRAINAGE AREA IN ACRES ABOVE STRUCTURE 9432 CHARACTER OF TERRAINE Mountainous
10 IS STREAM EVER DRY? NO
11 VELOCITY OF STREAM AT HIGH WATER STAGE 8.15 ESTIMATED DISCHARGE 2600 CFS
12 AREA FULL OPENING 300 □ AREA BELOW ORDINARY H.W. 175 ft²
13 CHARACTER OF SCOUR DRIFT
14 ESTIMATED DRAINAGE AREA, ABOVE NATURAL OR ARTIFICIAL STORAGE NA
15 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION 7.0±
16 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE NO
17 RECOMMENDED TYPE OF PAVEMENT 1½" Bit Conc. Part. [illegible]
18 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. N.A ONE OR TWO WAYS PROBABLE COST
19 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE N.A.
20 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO.
21 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 2 tons/sq ft. SHOULD PILES BE USED? NO

FOUNDATION INFORMATION

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

Note - For Detail of Superstructure See BR 4A of 4A



Sheet Revised [illegible]

BR 3 OF [illegible]

F-DECK(22)S, BR.# 99
THIS SHEET FOR INFORMATION ONLY

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

Recommended for Approval: Bridge Engineer Date 2/27/64

Recommended for Approval: Asst. Chief Engineer Date 6/1/64

Approved by: Chief Engineer Date 6/1/64

IN THE TOWN OF VT. 100 - LUDLOW

ROUTE NO. VT 100 100 STA. [illegible]

SURVEYED BY [illegible] DRAWN BY [illegible] CHECKED BY [illegible]

PROJECT NO. F025-1(6)

SHEET 15 OF [illegible]

LUDLOW
STP DECK(39)
BRIDGE NO. 99
PAGE 33 OF 42
FOR REFERENCE ONLY