

HIGHWAY NO. VT 100 NAME OF HIGHWAY _____
 STRUCTURE NO. _____ COUNTY WINDSOR TOWN LUDLOW
 PROJECT NO. F025-1(6) LOCATION BRANCH BROOK

EXISTING STRUCTURE

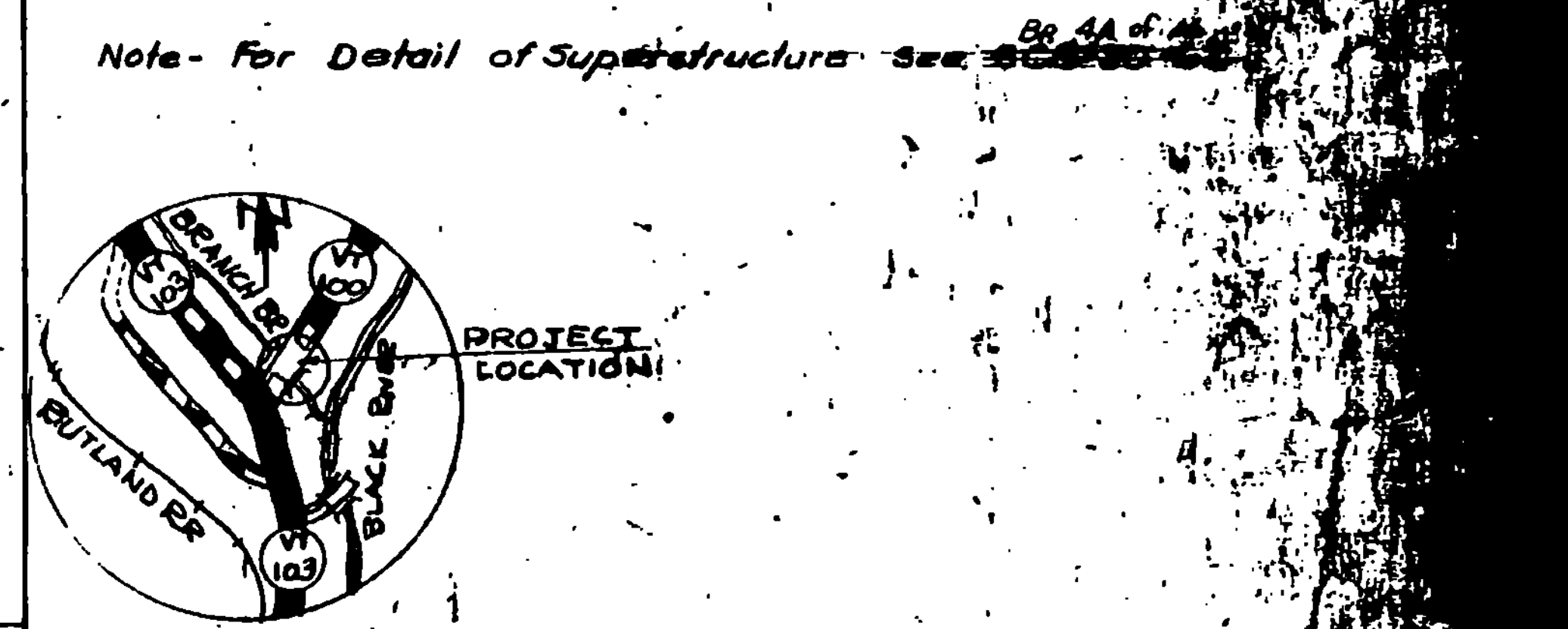
- 1 RATED LOADING OF EXISTING STRUCTURE H-15 Live Loading
- 2 TYPE OF EXISTING STRUCTURE Concrete I Beams
- 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE 4.4±
- 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE Remove COST OF REMOVAL \$500
- 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE NO
- 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT NO
- 7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE 1021.4± WATERWAY TO ORDINARY H.W. 120± ft.
- 8 EXTREME HIGH WATER AT EXISTING STRUCTURE _____
- 9 SPAN OF EXISTING BRIDGE UPSTREAM 39 WATERWAY TO EXTREME H.W. 500± ft.
- 10 SPAN OF EXISTING BRIDGE DOWNSTREAM None WATERWAY TO EXTREME H.W. _____
- 11 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS _____
- 12 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE _____
- 13 IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED _____
- 14 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
- 3 MEASURED PARALLEL TO NEW HIGHWAY 80
- 4 MEASURED AT RIGHT ANGLES TO STREAM 80
- 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO NA
- 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE 1020± (3'±)
- 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE 1022± SOURCE OF INFORMATION Computed
- 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? YES
- 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? NO IS ORDINARY SIZE _____
- 10 LOW WATER ELEVATION AT NEW STRUCTURE 1018± (1'±)
- 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE 2432 CHARACTER OF TERRAINE Mountainous
- 12 IS STREAM EVER DRY? NO
- 13 VELOCITY OF STREAM AT HIGH WATER STAGE 8.15 ESTIMATED DISCHARGE 2600 CFS
- 14 AREA FULL OPENING 3000± AREA BELOW ORDINARY H.W. 175± ft²
- 15 CHARACTER OF SCOUR _____ DRIFT _____
- 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE NA
- 17 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION 7.0± ft.
- 18 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE NO
- 19 RECOMMENDED TYPE OF PAVEMENT 1 1/2" Bit Conc Pavt. 4" Base Slab
- 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. NA ONE OR TWO WAYS _____ PROBABLE COST _____
- 21 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE? NA
- 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? NO
- 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 2100± lb/ft² SHOULD PILES BE USED? NO

FOUNDATION INFORMATION

OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. SOILS, ROCKS, OR OTHER ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.



Sheet Revised 2-2-64
BR 3 OF 4

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

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

Recommended for Approval Amey 6/1/64
Bridge Engineer Date

Recommended for Approval R.H. Conrad 6/1/64
Asst. Chief Engineer Date

Approved by A.O. Sibley 6/1/64
Chief Engineer Date

SURVEYED BY W.S.P. CHECKED BY W.S.P.
PROJECT NO. F025-1(6)

SHEET 15 OF 10