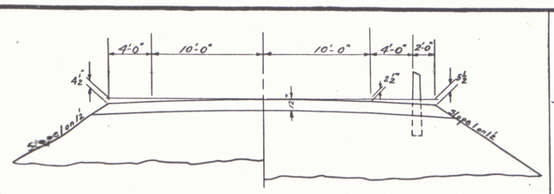
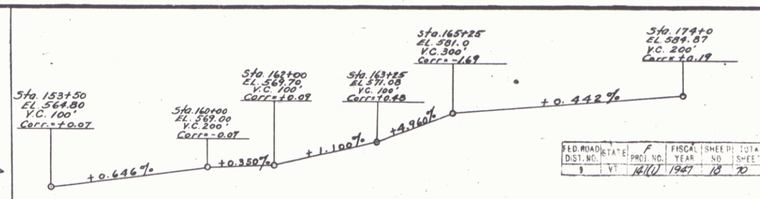


Half Section Without Guardrail

Half Section With Guardrail

NEW HIGHWAY SECT. STA. 162+25 TO STA. 163+00

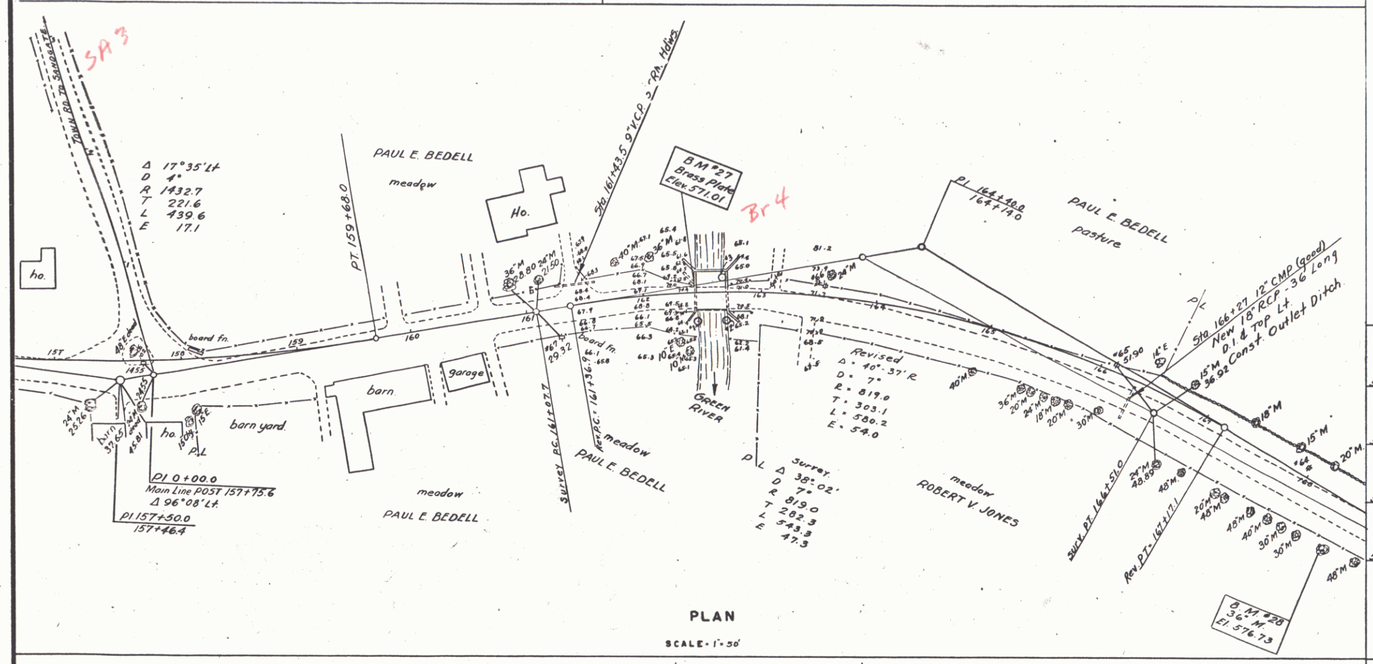
SCALE 3/16" = 1'-0"



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	1410	1947	18	70

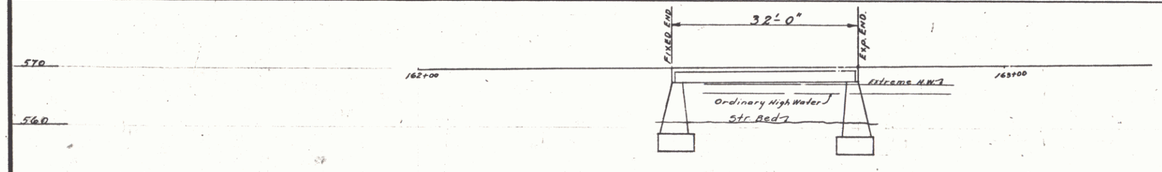
NEW HIGHWAY PROFILE ALONG ℄

SCALE



PLAN

SCALE - 1" = 50'



PROFILE OF PROPOSED BRIDGE

SCALE 1" = 10'

Highway No. VT RT 11 Name of Highway

Structure No. 1 County Bennington Town Arlington

Approved: Date

Bridge Engineer, Dist. No. 9

EXISTING STRUCTURE

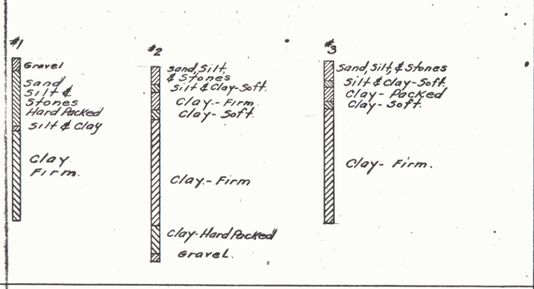
1. Posted loading of existing structure Not Posted
2. Location and type of existing structure Vt Rt 11 (Log Sta. 154+41 - Town of Arlington) T-pan
3. Underclearance elevation of existing structure El. 567.6
4. What disposition should be made of the existing structure and probable cost of removal Bridge to be widened
5. Should existing structure be utilized to maintain traffic during construction of new structure Yes.
6. Should new temporary structure be built No.
7. Ordinary high water surface elevation at existing structure Up Stream 646.5 No Struct. D.S.
8. Extreme high water at existing structure El. 567.5
9. Span and waterway area below ordinary high water surface elevation of existing structure up stream Span 15' Waterway area 75.0"
10. Type of foundation under existing abutments Piles under Abut #1 - No piles under Abut #2
11. If existing structure is to be widened or extended, attach sketch containing complete data to prepare plans for widening or extending and to determine safe loading capacity, substructure, and superstructure See enclosed sheets.

NEW STRUCTURE

1. Recommended type of structure 32'-0" Conc T-Beam new Rails - Widen old Bridge to obtain 36' curb to Curb.
2. Recommended clear span or spans
   Measured parallel to ℄ new highway 28'-0"
   Measured at right ∠ to ℄ Stream 28'-0"
3. Are there objections to a pier in the stream, answer yes or no Yes.
4. Ordinary high water - ...vation at new structure El. 566.0
5. Ordinary elevation of water at new structure El. 563.0
6. Extreme high water elevation at new structure El. 567.5
7. Does stream reach its maximum high water elevation rapidly No. Is ordinary rise rapid Moderate
8. Low water elevation at new structure El. 562.0
9. Drainage area in acres above structure 12650 Character of terraine Hilly
10. Is stream ever dry No.
11. Velocity of stream at high water stage 10 Ft. per Sec.
12. Recommended waterway area below ordinary high water elevation, measured at ⊥ to ℄ of stream 140"
13. Does erosion occur Slight
14. Does stream carry light, medium or heavy drift and ice Light
15. Should roadway be banked ? If so how much per foot Yes - 4" in 10 Ft.
16. Are sidewalks required ? If so, on what side None Both sides ?
17. Recommended type of pavement Gravel with double tack coat of Tar on approaches
18. Traffic to be maintained under what item no.? 18 One or two ways ? 1 Probable cost $ 500.00
19. Probable cost of clearing and grubbing stream channel at structure site. 40.00
20. Should provisions be made for public utilities No.
21. Estimated allowable load on foundations 2 Ton Should piles be used ? Abut #1 Est. lgth 20 FT.

FOUNDATION INFORMATION

(Borings, testpits, or bar soundings as conditions require)



STATE OF VERMONT

DEPT. OF HIGHWAYS

RECOMMENDED FOR APPROVAL

District Engineer
Public Roads Administration
Federal Works Agency

APPROVED

Commissioner
Public Roads Administration
Federal Works Agency

CORRECT April 2, 1948 — Bridge Engineer

APPROVED April 6, 1948 — Commissioner of Highways

ARLINGTON F-141(1)

Sheet 18 of 70 Sheets