

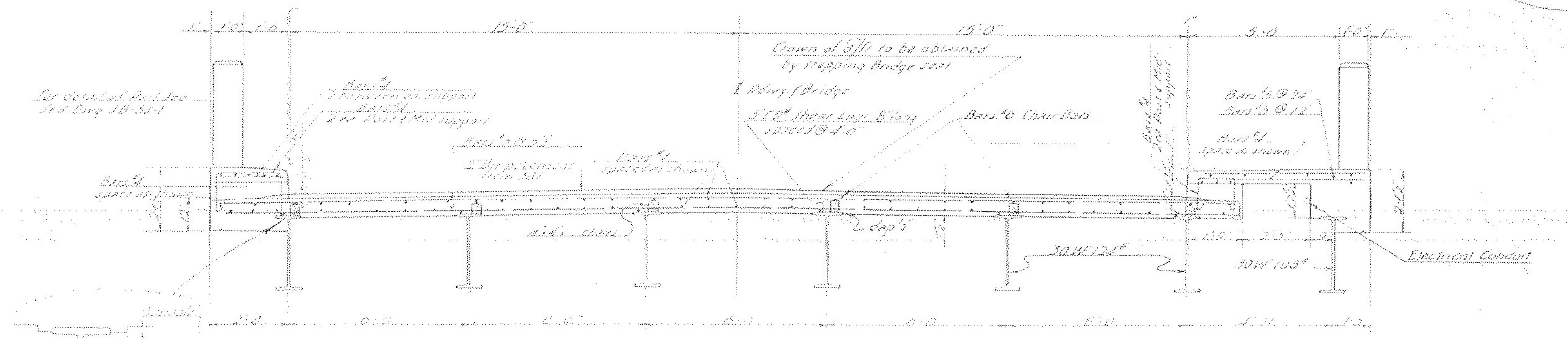
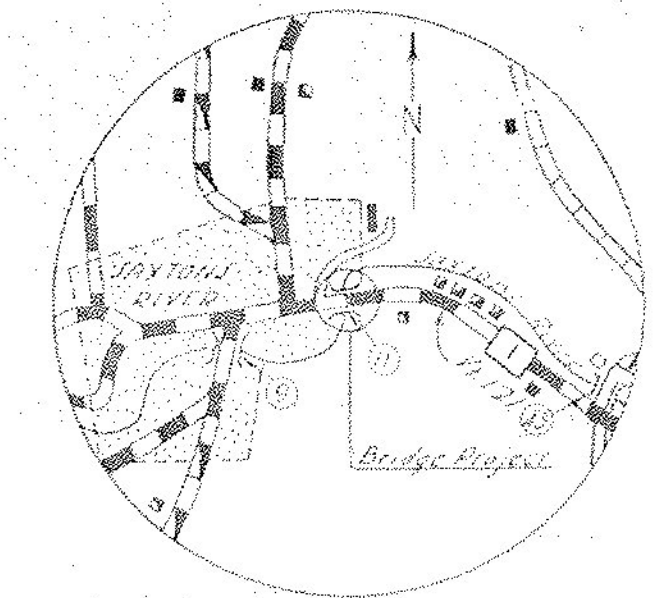
NEW HIGHWAY SECT. STA. TO STA.
SCALE

See Plan & Profile Sheet

NEW HIGHWAY PROFILE ALONG ϕ
SCALE

Highway No. VT 121 Name of Highway
 Structure No. 11 County WINDHAM Town ROCKINGHAM
 Approved _____ Date _____
 Bridge Engineer, Dist. No. 9

- EXISTING STRUCTURE**
1. Pooled loading of existing structure 20,000 lbs.
 2. Location and type of existing structure 1.86 Miles from Westminster Town Line - Steel Truss
 3. Underclearance elevation of existing structure 25'-0"
 4. What disposition should be made of the existing structure and probable cost of removal 1,400
 5. Should existing structure be utilized to maintain traffic during construction of new structure No
 6. Should new temporary structure be built Yes
 7. Ordinary high water surface elevation of existing structure 479.0'
 8. Extreme high water of existing structure 489.0'
 9. span and waterway area below ordinary high water surface elevation of existing structure or structures up or down stream Up to 3 spans @ 200' = 600' Down to Single span 100' = 100'
 10. Type of foundation under existing abutments Gravel with Clay Fills - Heavy Berapen
 11. If existing structure is to be widened or extended or other work containing complete data to prepare plans for widening or extending and to determine safe loading capacity, substructure and superstructure No
- NEW STRUCTURE**
1. Recommended type of structure Standard W-Beam Bridge Continuous
 2. Recommended clear span or spans
 Measured parallel to ϕ new highway 52'-1/4", 65'-6", 52'-1/4"
 Measured at right angles to ϕ stream 45'-1/2", 36'-9", 45'-1/2"
 3. Are there objections to a pier in the stream, answer yes or no No
 4. Ordinary high water elevation of new structure 479.0'
 5. Ordinary elevation of water of new structure 467.5'
 6. Extreme high water elevation of new structure 489.0'
 7. Does stream reach its maximum high water elevation rapidly No Is ordinary rise rapid No
 8. Low water elevation of new structure 463.0'
 9. Drainage area in acres above structure 45,440 Character of terrain Hilly
 10. Is stream ever dry No
 11. Velocity of stream at high water stage 6.1 f/sec
 12. Recommended waterway area below ordinary high water elevation measured of 1% fall of stream
 13. Does erosion occur No
 14. Does stream carry light, medium or heavy drift and ice Light
 15. Should roadway be banked? If so, on what side? Downstream both sides? No
 16. Are sidewalks required? If so, on what side? Downstream both sides? No
 17. Recommended type of pavement Reinforced Concrete Slab with Bituminous Surface
 18. Traffic to be maintained under what span? 2, 4, 1, or two ways? One Probable cost 50,000.00
 19. Probable cost of clearing and grubbing stream channel at structure site
 20. Should provisions be made for public utilities Yes
 21. Estimated allowable load on foundations & span. Should piles be used? No - for full



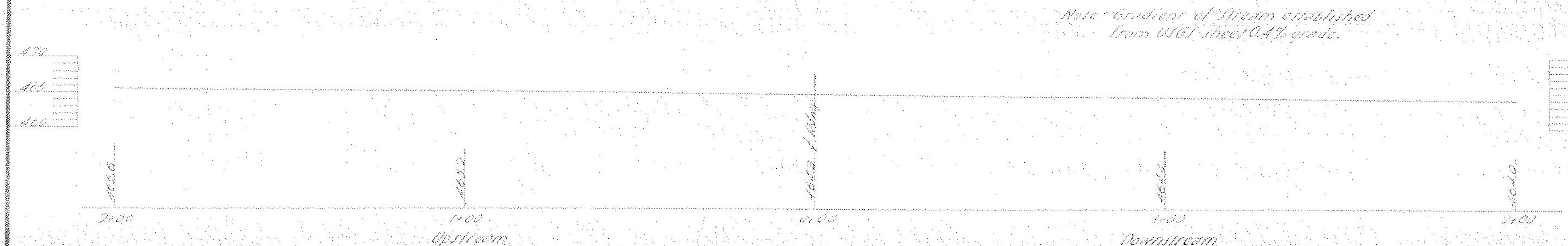
TYPICAL SECTION (Looking East)
Scale 1/4" = 1'-0"

PLAN See Sheet of Sheets
SCALE

FOUNDATION INFORMATION

Obtained for design purposes only and State assumes no responsibility whatsoever for sufficiency or accuracy of the information shown. Boulders may be encountered at either Abutment location.

See Sheet 7 of 49 Sheets for Boring Information



PROFILE OF PROPOSED STREAM CHANNEL
SCALE

STATE OF VERMONT
DEPT. OF HIGHWAYS

FOR REFERENCE ONLY

RECOMMENDED FOR APPROVAL

APPROVED

CORRECT _____ APPROVED _____
 BRIDGE ENGINEER CHIEF ENGINEER
 ROCKINGHAM 5156(3)
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