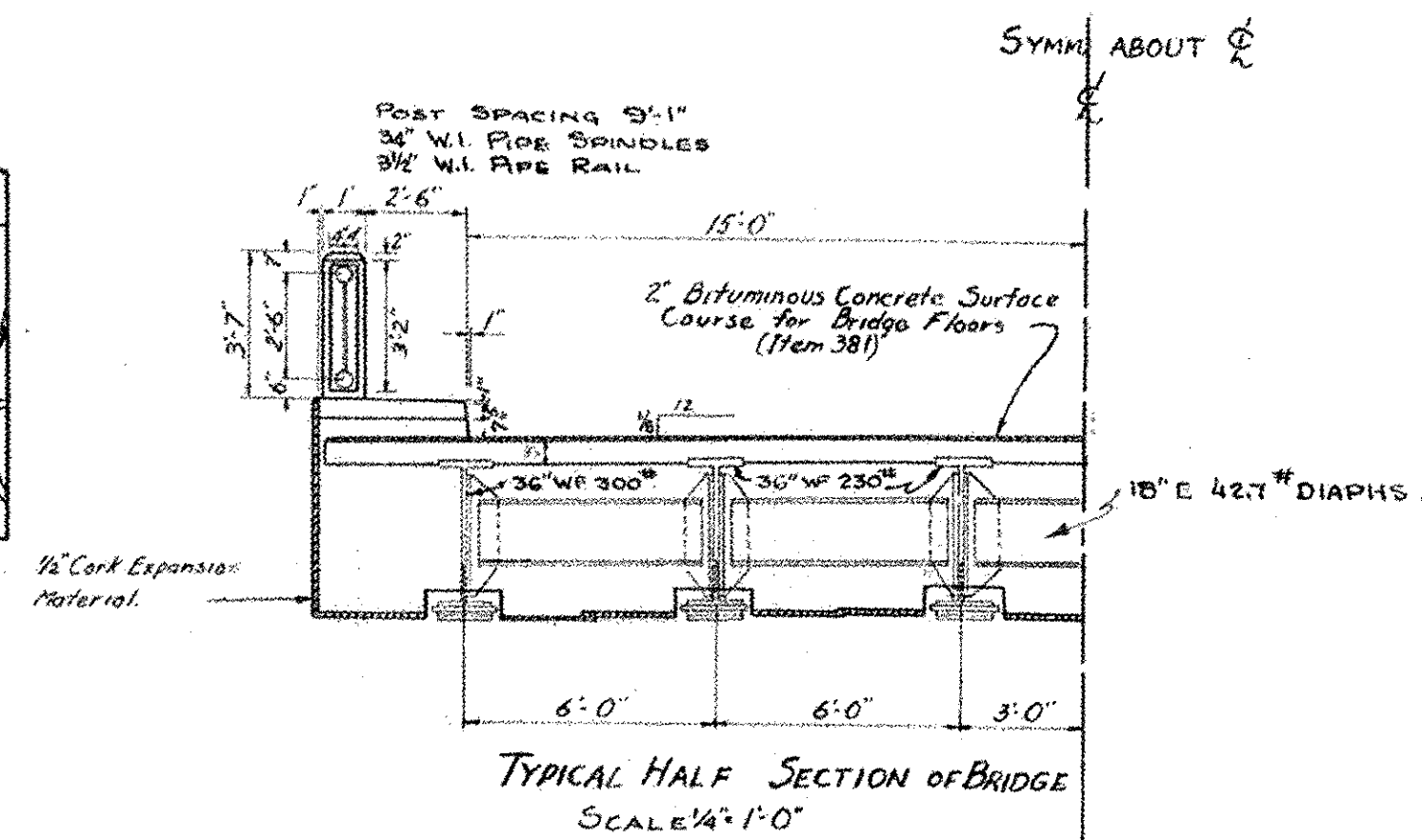
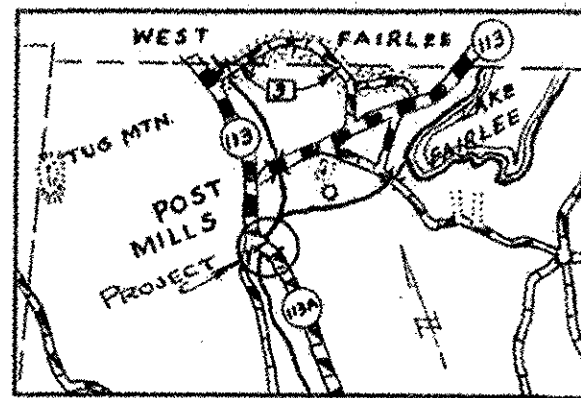


NEW HIGHWAY SECT. SEE SHEET 2 of 44

NEW HIGHWAY PROFILE ALONG ϕ SEE SHEET 9 of 44



PLAN SEE SHEET 9 of 44

PROFILE OF PROPOSED STREAM CHANNEL

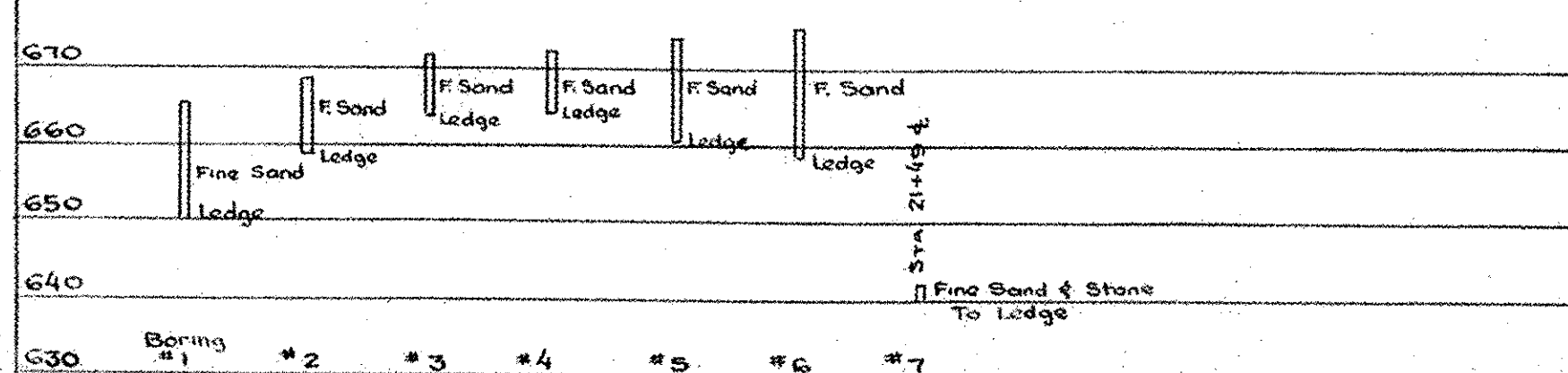
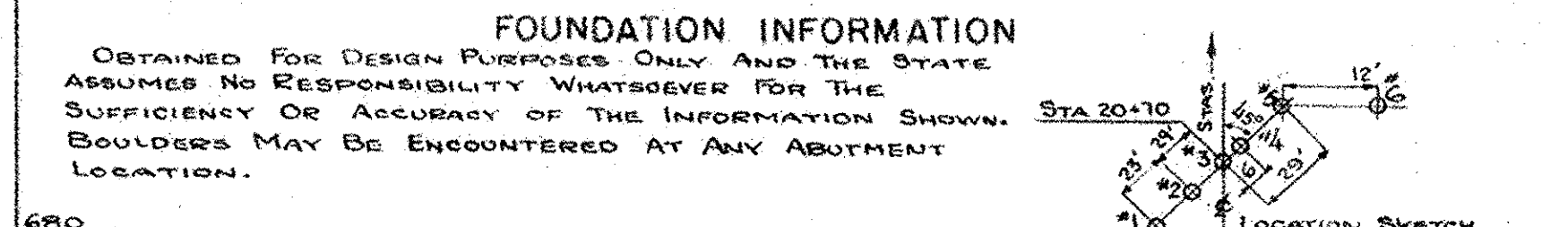
Highway No. 113-A Name of Highway _____
 Structure No. _____ County ORANGE Town THETFORD
 Approved _____ Date _____
 Bridge Engineer, Dist. No. 9

EXISTING STRUCTURE

1. Posted loading of existing structure H-10
2. Location and type of existing structure LOG STA 392+32 STEEL RONY TRUSS, OPEN GRID FLOOR
3. Underclearance elevation of existing structure 23'-0"
4. What disposition should be made of the existing structure and probable cost of removal \$200.00
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 of existing structure or structures up or down stream 645.2
8. Extreme high water at existing structure 653.2
9. Span and waterway area below ordinary high water surface elevation of existing structure
50 FT. SPAN 400 Sq. Ft. WATERWAY
10. Type of foundation under existing abutments LEDGE
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.

NEW STRUCTURE

1. Recommended type of structure WF BM. CONCRETE DECK
2. Recommended clear span or spans
Measured parallel to ϕ new highway 75'-0"
Measured at right angles to ϕ stream 50'-2"
3. Are there objections to a pier in the stream, answer yes or no No
4. Ordinary high water elevation of new structure 648
5. Ordinary elevation of water at new structure 645.2
6. Extreme high water elevation of new structure 651
7. Does stream reach its maximum high water elevation rapidly No Is ordinary rise rapid No
8. Low water elevation at new structure 640.6
9. Drainage area in acres above structure 34,000 Character of terrain HILLY
10. Is stream ever dry No
11. Velocity of stream at high water stage 6 Ft./Sec. \pm
12. Recommended waterway area below ordinary high water elevation, measured at 1/2 mile of stream 500'
13. Does erosion occur No
14. Does stream carry light, medium or heavy drift and ice LIGHT
15. Should roadway be banked? If so how much per foot No
16. Are sidewalks required? If so, on what side Both sides? Yes 2'-6" Wide
17. Recommended type of pavement REINF. CONC. SLAB WITH BIT. CONC. WEARING SURF.
18. Traffic to be maintained under what item no.? 109 One or two ways? ONE Probable cost? \$300.00
19. Probable cost of clearing and grubbing stream channel at structure site NONE
20. Should provisions be made for public utilities NONE REQUESTED
21. Estimated allowable load on foundations Should piles be used? No. Est. lgh. \rightarrow



NOTES:—
 CASING DIA. 2 1/2" WATER JET, CORE BIT INSIDE
 LEDGE OUTCROPPING THROUGHOUT ENTIRE SECTION

**BRIDGE 25
 FOR REFERENCE ONLY**

SHEET 14 OF 16

STATE OF VERMONT
 DEPT. OF HIGHWAYS

RECOMMENDED FOR APPROVAL

District Engineer
 Public Works Administration
 Federal Works Agency

APPROVED

Commissioner
 Public Works Administration
 Federal Works Agency

CORRECT _____ APPROVED _____
 BRIDGE ENGINEER _____ COMMISSIONER OF HIGHWAYS _____

PROJECT No. 572(1)
 Sheet 10 of 44 Sheets