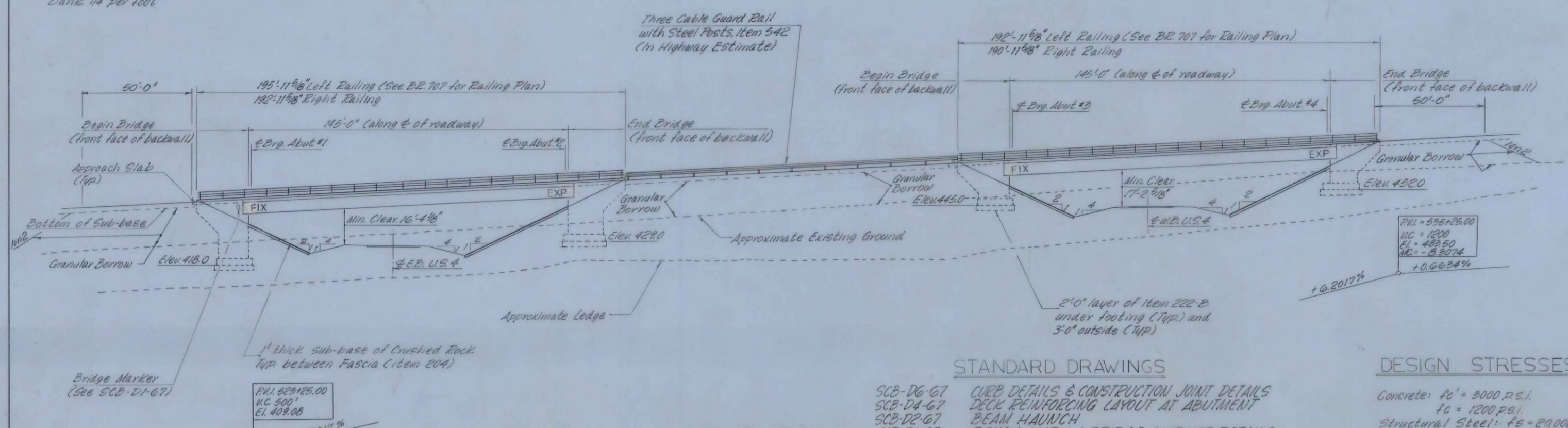


E.B. U.S. 4 CURVE DATA
CURVE NO. 4
 Δ = 8° 36' 20" LL
 D = 0° 30'
 E = 1459.16'
 F = 860.50'
 G = 1717.78'
 H = 32.26'
 Bank 14' per foot

PLAN
 Scale: 1"=50'



ELEVATION
 Scale: 1"=50'

STANDARD DRAWINGS

SCB-DG-67	CURB DETAILS & CONSTRUCTION JOINT DETAILS
SCB-DA-67	DECK REINFORCING LAYOUT AT ABUTMENT
SCB-DB-67	BEAM HAUNCH
SCB-DI-67	BRANCH MARK & BRIDGE MARKER DETAILS & GENERAL NOTES
SB-PZ-65	STEEL RAILING DETAILS
SB-BI-64	SHEETS 1 & 2 ALUMINUM RAILING DETAILS

DESIGN STRESSES

Concrete: $f_c = 3000$ p.s.i.
 $f_c = 1200$ p.s.i.
 Structural Steel: $f_s = 24,000$ p.s.i. 1/2 g. steel
 Other steels as per AASHTO specs.
 Reinforcing Steel (Intermediate): $f_s = 20,000$ p.s.i. (tension)
 $f_s = 18,000$ p.s.i. (compression)

Revision 1: Included Sleeves for Water and Sewer Pipe. 7-26-68 RPG

GENERAL NOTES

- SPECIFICATIONS:**
 All materials and construction shall conform to the State of Vermont, Department of Highways, Standard Specifications for Highway and Bridge Construction, dated April 1964, and the AASHTO, Standard Specifications dated 1965 as modified by current Interim Specifications.
- LIVE LOAD:**
 Structure designed for HS 20-44 loading modified for National System of Interstate Highways applied in accordance with the provisions of the AASHTO standard Specifications Article 1.2.B.
- CONCRETE:**
 All exposed edges of concrete shall be chamfered 1"x1" unless otherwise noted. All construction joints to be made as shown on SCB-DG-67, Details B and C unless otherwise noted.
- REINFORCEMENT:**
 All reinforcement to have a clear cover of 2" unless otherwise noted.
- DIMENSIONS:**
 All dimensions given are measured horizontally or vertically unless otherwise noted. Dimensions given are for S.E.T. unless otherwise noted. Elevation datum sea level based on nearest U.S. Government vertical control.
- STRUCTURAL STEEL:**
 Item 404-A shall include all structural steel, copper, wrought iron, and any other materials indicated or required in the completed structure which are not otherwise classified.
 All structural steel shall be structural carbon steel conforming to the requirements of the specifications for steel bridges and buildings A.S.T.M. designation A-36-62, except as otherwise noted.
 The contractor shall submit complete details of the structural steel to the State of Vermont, Department of Highways, and receive their written approval prior to the start of fabrication. The steel details shall include provisions for sanding of beams for dead load deflection as well as erection diagrams and falsework details.
 The final coat of field paint shall be green.
- WATER REPELLENT:**
 The top surface of safety walkways, fascia, and back to the fascia beam under the slab, exposed areas of abutments not otherwise treated shall be covered with water repellent (Item 440).
- FIELD BOLTING:**
 Field bolted connections shall be made with 7/8" φ A325 High Strength Bolts. 1/4" bolts are not allowed.
- ABUTMENTS:**
 The top surfaces of all abutments (12.3.4) shall be sloped 1/4" per foot from the back edge of the abutment to the front edge of the abutment except for bearing pads which shall be level. Elevation of bridge seats given are for centerline of bearings. The entire exposed top surface of abutments (12.3.4) shall be coated with Asphaltic-Asbestos coating 1/2" thick as per Item 407 of the specifications. The application of this item shall be after all painting and incidental items are completed.
- GENERAL:**
 Cross slopes of approach slabs to conform to the cross slope of the bridge.
 All expansion material shall be premoistened concrete containing no bitumen or asphalt.
- BITUMINOUS CONCRETE PAVEMENT:**
 Bituminous Concrete Pavement Item 201 Modified, Type II shall be applied in two courses.

INDEX OF DRAWINGS

- | | | | |
|--------|-------------------------------|--------|--|
| BR 701 | PLAN & ELEVATION | BR 713 | FOOTING DETAILS, ABUTMENT No. 1 & TYPICAL SECTIONS |
| BR 702 | BRIDGE QUANTITIES | BR 714 | FOOTING DETAILS, ABUTMENT No. 2 & TYPICAL SECTIONS |
| BR 703 | PRELIMINARY INFORMATION SHEET | BR 715 | FOOTING DETAILS, ABUTMENT No. 3 & TYPICAL SECTIONS |
| BR 704 | BEARING LOG | BR 716 | APPROACH SLAB No. 1 |
| BR 705 | BEARING LOG | BR 717 | APPROACH SLAB No. 2 |
| BR 706 | SUPPLEMENTARY DETAILS | BR 718 | APPROACH SLAB No. 3 |
| BR 707 | SUPPLEMENTARY DETAILS | BR 719 | APPROACH SLAB No. 4 |
| BR 708 | JOINT DETAILS | BR 720 | REINFORCING DETAILS |
| BR 709 | ABUTMENT No. 1, WINDOW No. 1 | BR 721 | REINFORCING DETAILS |
| BR 710 | ABUTMENT No. 2, WINDOW No. 2 | BR 722 | REINFORCING DETAILS |
| BR 711 | ABUTMENT No. 3, WINDOW No. 3 | BR 723 | SCB-3067T |
| BR 712 | REINFORCING DETAILS | | |

FAIRHAVEN-RUTLAND
 BHF BPNT (10)
 PROJECT BRIDGE #7E & TW
 SHEET 19 OF 28
 FOR INFORMATION ONLY

Revisions: Revised to 2' 0" brush curbs. Removed cheekwalls. 6-11-68 RPG/RFS

VERMONT
 STATE HIGHWAY DEPARTMENT
 TOWN OF FAIR HAVEN
 U.S. ROUTE 4

SA 5 RELOCATED OVER
 U.S. ROUTE 4 RELOCATED
 PLAN AND ELEVATION

MCFARLAND-JOHNSON
 CONSULTING ENGINEERS
 BINGHAMTON, NEW YORK

DESIGNED BY: [] CHECKED BY: [] DATE: 11.1.1967
 DRAWN BY: [] IN CHARGE: HGC SCALE: AS NOTED
 PROJECT NO. F0201(4) SH 240 OF 532

CONTRACT NO. 1 BR 701