



Design Stresses
 Structural Steel A36 fs = 20,000psi.
 Reinforcing Steel fs = 20,000psi.
 Concrete fc = 3000psi, N:10

Notes:
 1. All piers and abutments N.B. & S.B. are radial.
 2. Steel piles (12BP53) shall be driven to point bearing on ledge unless the designed bearing capacity of 45 tons per pile is attained above ledge elevation.
 3. For General Notes, specifications, and loadings see Std. Sh. SCB-D1-65.
 4. Item 505, Pile Loading Tests shall be used only when ordered in writing by the Engineer.
 5. All stations are in reference to stationing.
 6. For List of Bridge Sheets see sheet BR-104.
 7. Bank, both NB and SB Bridges 3/16" per ft. for 27'-0" and 1/2" per ft. for the remaining 3'-0".

Base Line Curve Data
 Δ 52° 51' 15" Lt.
 D 1° 00' 00"
 R 5729.58
 T 2847.61
 L 5285.42
 E 668.06

Approx. Ledge Line
 Est. Pile Length 150' S.B., 125' N.B.
 Est. Pile Length 135' S.B., 120' N.B.
 Est. Pile Length 110' S.B., 110' N.B.
 Est. Pile Length 115' S.B., 100' N.B.
 Est. Pile Length 105' S.B., 90' N.B.
 Est. Pile Length 90' S.B., 60' N.B.
 Est. Pile Length 75' S.B., 30' N.B.
 Est. Pile Length 35' S.B., 30' N.B.

Design Stresses
 Structural Steel A36 fs = 20,000psi.
 Reinforcing Steel fs = 20,000psi.
 Concrete fc = 3000psi, N:10

See Std. Sh. G-3a for Dead End Anchorage @ Bridge Approach. (Typical Both Ends.)

For Fig. Elev. S.B. see BR.121 For Fig. Elev. N.B. see BR.123

MILTON-HIGHGATE
 IM MEMB(26)

STA
 DEP

SHEET 37 OF 70
 BRIDGE 86S
 FOR REFERENCE ONLY

TOWN OF Fairfield - St. Albans
 ROUTE No. I 89 - LOG STA.
 Plan and Elevation
 I 89 over C.V. Ry
 SCALE 1" = 30'
 SURVEYED BY Spaulding
 DRAWN BY A.J.C. CHECKED BY J.T.C.
 S4-B1 PROJECT No. I 89-30000000
 SHEET 37 OF 70