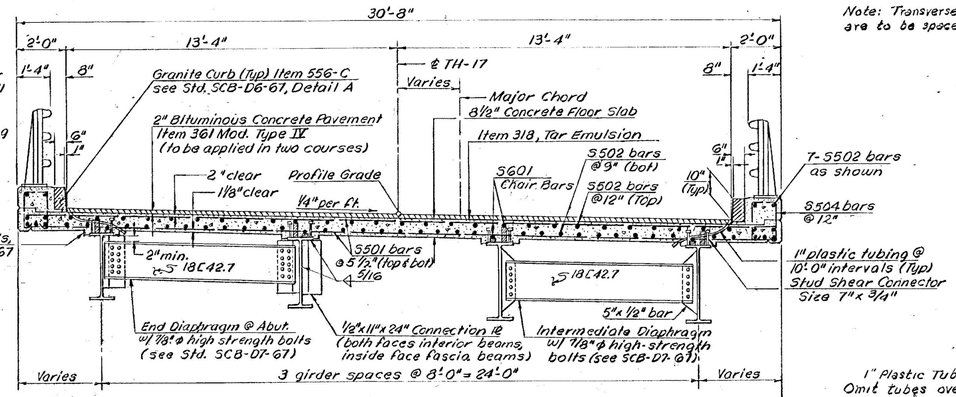
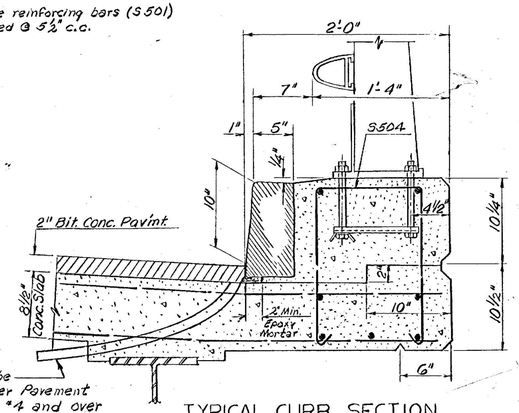
NOTE:
The concrete floor slab surface shall be finished with a self-propelled concrete finishing machine.



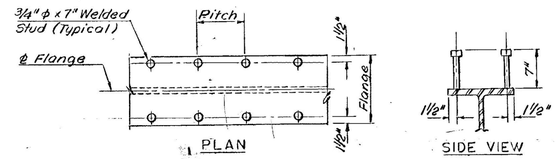
TYPICAL SECTION
Scale: 3/8" = 1'-0"

NOTE: For details of Pier Diaphragm, see BR 1108.

Note: Transverse reinforcing bars (S501) are to be spaced @ 5½" c.c.

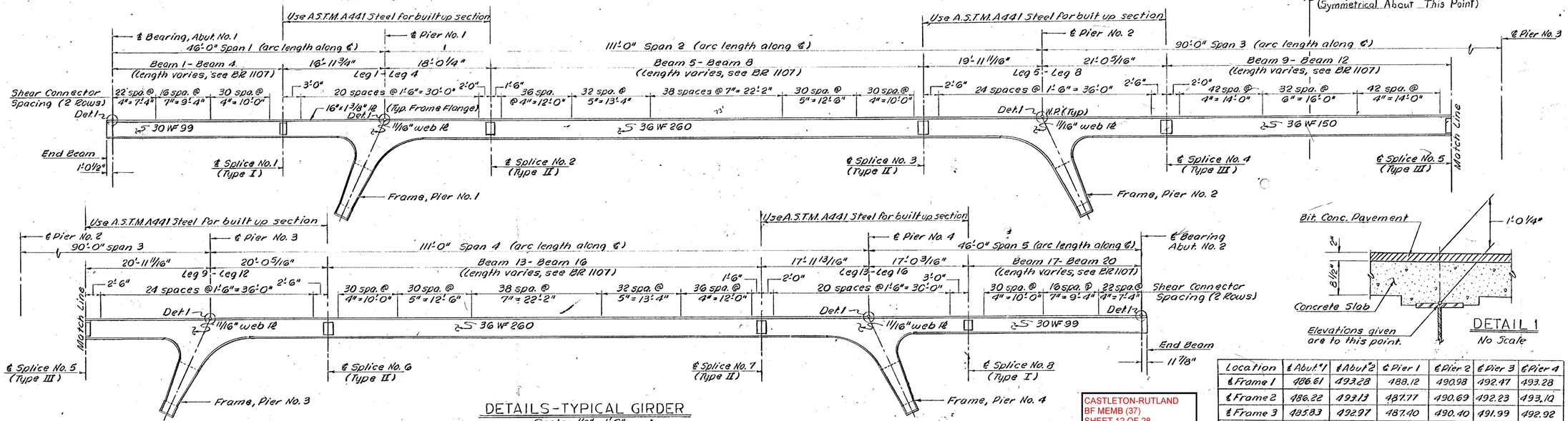


TYPICAL CURB SECTION
Scale: 1½" = 1'-0"



SHEAR CONNECTOR
No Scale

130750
404

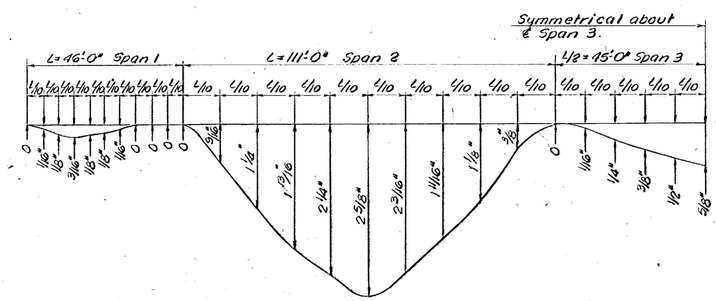


DETAILS - TYPICAL GIRDER
Scale: 1/8" = 1'-0"

DETAIL 1
No Scale

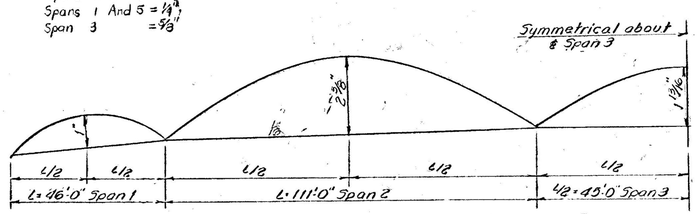
Location	℄ Abut #1	℄ Abut #2	℄ Pier 1	℄ Pier 2	℄ Pier 3	℄ Pier 4
℄ Frame 1	486.61	493.28	488.12	490.98	492.47	493.28
℄ Frame 2	486.22	493.13	487.77	490.69	492.23	493.10
℄ Frame 3	485.83	492.97	487.40	490.40	491.99	492.92
℄ Frame 4	485.43	492.81	487.03	490.10	491.74	492.73

ELEVATIONS - TOP OF FRAME



D.L. DEFLECTION DIAGRAM *
No Scale

Maximum Live Load Deflections:
Spans 2 And 4 = 1⅛"
Spans 1 And 5 = ¼"
Span 3 = ⅝"



CAMBER DIAGRAM
No Scale

NOTE: Final camber after dead load deflection.

* Includes weight of frame, slab, and superimposed dead load.

CASTLETON-RUTLAND
BF MEMB (37)
SHEET 12 OF 28
BRIDGE NO. D11
FOR REFERENCE ONLY

EXAMPLE

NOTES

1. For General Notes, see BR 1101.
2. For Joint Details, see BR 1109 & 1110.
3. For Beam Haunch Details, see SCB-D2-67.
4. For Splice Details, see BR 1106.
5. For Frame Details, see BR 1106.
6. All studs are to be ¾" ϕ x 7" welded studs. If ⅞" ϕ studs are used, increase the spacing shown for ¾" ϕ studs by 50%.
7. ℄ Pier is defined as the intersection of ℄ Leg and top of steel frame.
8. Frame leg web, flange, and stiffener PL's shall be ASTM-A 441. WF Beams, diaphragms, and all steel not otherwise designated shall be ASTM-A 36.
9. Deck concrete shall be placed during one working day according to the Placing Sequence shown on BR 1103

Revised Curb Stirrup Bars from #4 @ 18" to #5 @ 12", Added Note #9. W. Tripp 10-27-67

VERMONT
STATE HIGHWAY DEPARTMENT
TOWN OF CASTLETON
U.S. ROUTE 4

TH-17 RELOC. OVER U.S. RTE. 4 RELOC.

SUPERSTRUCTURE DETAILS

McFARLAND-JOHNSON
CONSULTING ENGINEERS
BINGHAMTON, NEW YORK

DESIGNED WDS	CHECKED REC	DATE 7-12-68
DRAWN RMG	IN CHARGE HGC	SCALE AS SHOWN

PROJECT NO. F020-1(7) SH 47 OF 206

CONTRACT NO. BR 1105