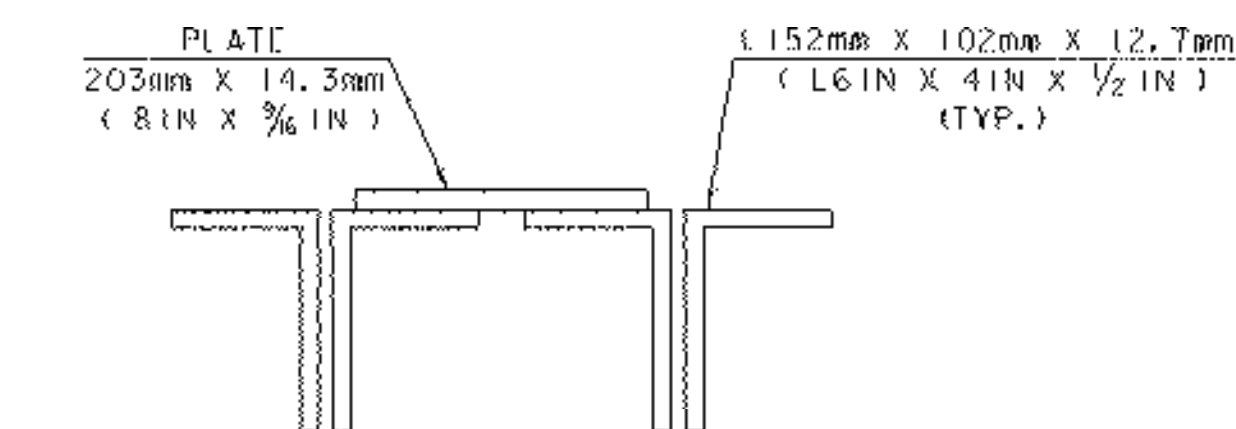


UPSTREAM ELEVATION

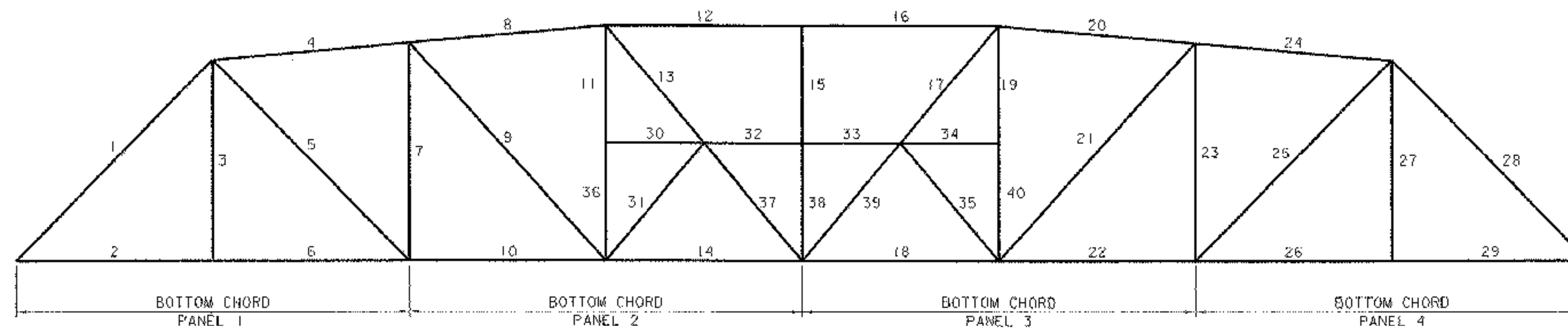
(LOOKING UPSTREAM FROM ϕ ROADWAY)
NOT TO SCALE

- REPAIR REQUIREMENTS**
- ALL**
4 OF 4
- BOTTOM CHORD PANEL 1: REPLACE 2 (OF 4) 152 X 102 X 9.5 ANGLES
 BOTTOM CHORD PANEL 2: REPLACE 2 (OF 4) 152 X 102 X 12.7 ANGLES
 BOTTOM CHORD PANEL 3: REPLACE 2 (OF 4) 152 X 102 X 12.7 ANGLES
 BOTTOM CHORD PANEL 4: REPLACE 3 (OF 4) 152 X 102 X 9.5 ANGLES
- MEMBER 7: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 9: REPLACE 228.6 CB - 47.6 KG/M
 MEMBER 11-36: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 13-37: REPLACE 228.6 CB - 47.6 KG/M
 MEMBER 15-38: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 17-39: REPLACE 228.6 CB - 47.6 KG/M
~~MEMBER 19-40: REPLACE 228.6 CB - 56.6 KG/M~~
 MEMBER 23: REPLACE 228.6 CB - 56.6 KG/M
5 MEMBER 25: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 27: REPLACE BOTH 89 X 89 X 7.9 ANGLES



SECTION OF BOTTOM CHORD

NOT TO SCALE



DOWNSTREAM ELEVATION

(LOOKING DOWNSTREAM FROM ϕ ROADWAY)
NOT TO SCALE

- REPAIR REQUIREMENTS**
- ALL**
4 OF 4
- BOTTOM CHORD PANEL 1: REPLACE 4 (OF 4) 152 X 102 X 9.5 ANGLES
 BOTTOM CHORD PANEL 2: REPLACE 3 (OF 4) 152 X 102 X 12.7 ANGLES
 BOTTOM CHORD PANEL 3: REPLACE 3 (OF 4) 152 X 102 X 12.7 ANGLES
 BOTTOM CHORD PANEL 4: REPLACE 4 (OF 4) 152 X 102 X 9.5 ANGLES
- 25** MEMBER ~~25~~: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 7: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 11-36: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 13-37: REPLACE 228.6 CB - 47.6 KG/M
 MEMBER 15-38: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 17-39: REPLACE 228.6 CB - 47.6 KG/M
 MEMBER 23: REPLACE 228.6 CB - 56.6 KG/M
 MEMBER 19-40: REPLACE 228.6 CB - 56.6 KG/M

EXISTING TRUSS MEMBER PROPERTIES

228.6 CB - 56.6 KG/M (9 IN CB - 38 LB/FT)

AREA = 7206.4mm² (11.17 IN²)
 DEPTH = 228.6mm (9 IN)
 FLANGE WIDTH = 228.6mm (9 IN)
 WEB THICKNESS = 8.03mm (0.316 IN)
 $I_x = 7.093 \times 10^7 \text{ mm}^4$ (170.4 IN⁴)
 $S_x = 6.211 \times 10^5 \text{ mm}^3$ (37.9 IN³)
 $r_x = 99.3\text{mm}$ (3.91 IN)
 $I_y = 2.377 \times 10^7 \text{ mm}^4$ (57.1 IN⁴)
 $S_y = 2.081 \times 10^5 \text{ mm}^3$ (12.7 IN³)
 $r_y = 57.4\text{mm}$ (2.26 IN)

228.6 CB - 47.6 KG/M (9 IN CB - 32 LB/FT)

AREA = 6064.5mm² (9.40 IN²)
 DEPTH = 231.0mm (9.096 IN)
 FLANGE WIDTH = 165.8mm (6.528 IN)
 WEB THICKNESS = 7.80mm (0.307 IN)
 $I_x = 5.848 \times 10^7 \text{ mm}^4$ (140.5 IN⁴)
 $S_x = 5.064 \times 10^5 \text{ mm}^3$ (30.9 IN³)
 $r_x = 98.3\text{mm}$ (3.87 IN)
 $I_y = 9.990 \times 10^6 \text{ mm}^4$ (24.0 IN⁴)
 $S_y = 1.213 \times 10^5 \text{ mm}^3$ (7.4 IN³)
 $r_y = 40.6\text{mm}$ (1.60 IN)

NOTE:

ALL MEMBERS LISTED ARE TO BE REPLACED FULL LENGTH.

TRUSS REPAIRS

PROJECT NAME:	BROOKLINE NEWFANE	PLOT DATE:	26-JUN-2003
PROJECT NUMBER:	BHO 1442 (25)	DRAWN BY:	G. ROY
FILE NAME:	95\278\Structures\278tr.r	CHECKED BY:	M. LOZIER
PROJECT MANAGER:	R. WHITCOMB	SHEET	29 OF 78
DESIGNED BY:	M. LOZIER		