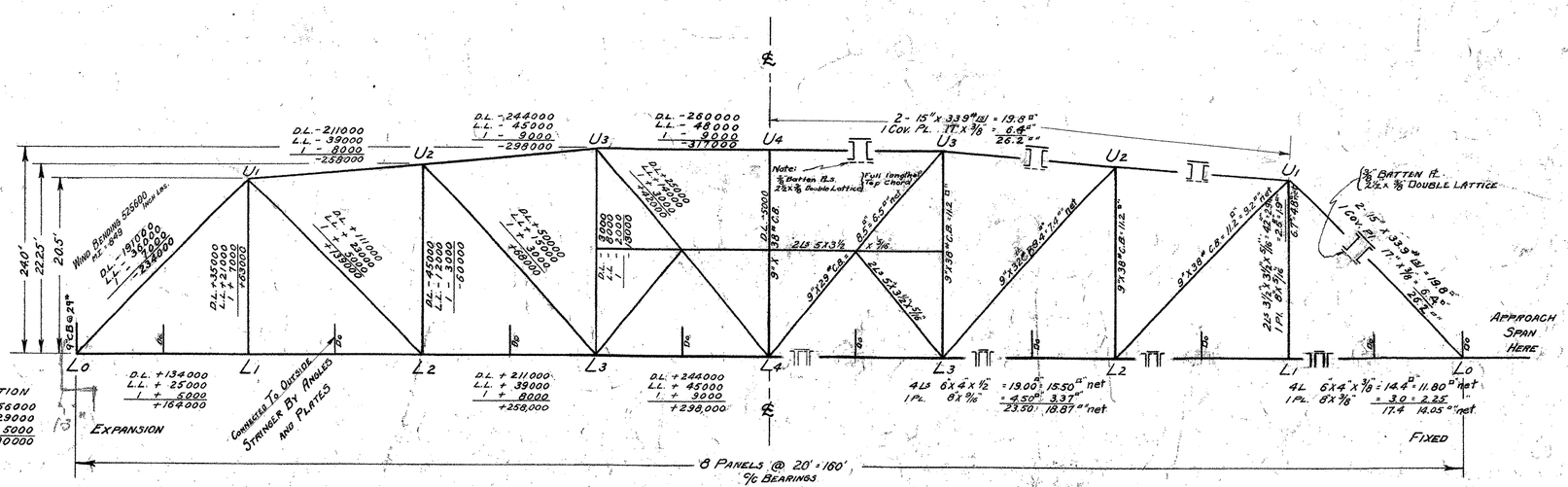
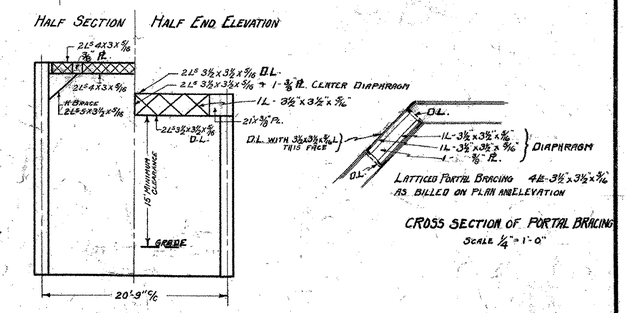




FLOOR DESIGNED FOR

DEAD LOAD: 3 1/2" CONCRETE SLAB + 25# PAVING ALLOWANCE + WEIGHT OF STEEL

LIVE LOAD: ROADWAY (1) 15 TON TRUCK, 13'-0" ℄ AXLES, 6'-0" ℄ WHEELS, 85% OF LOAD ON REAR AXLES.

IMPACT: STRINGERS 38.5% - FLOOR BEAMS 32.2%.

TRUSS DESIGNED FOR

DEAD LOAD: CONCRETE FLOOR AND PAVING 1300# + STEEL 650# = 1950# PER LIN. FT.

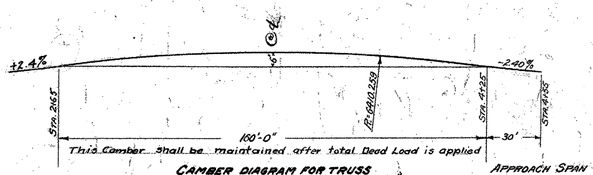
LIVE LOAD: ONE LANE - H15.

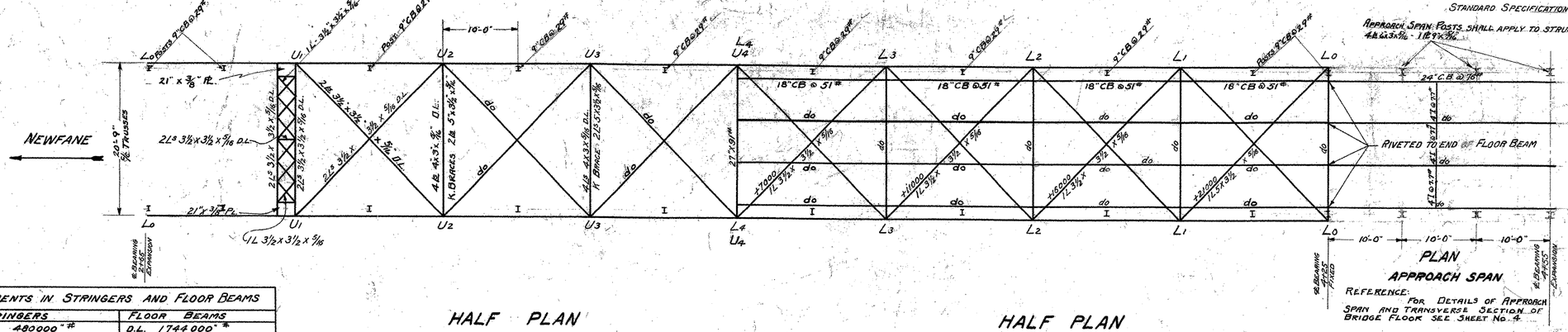
IMPACT: $I = \frac{L+250}{10L+500}$ RIVETS: 7/8"

LUMP SUM BID TO INCLUDE ALL WORK AND MATERIAL SHOWN ON SHEETS 3 + 4 EXCEPT CONCRETE AND REINFORCING STEEL IN BRIDGE FLOOR.

STANDARD SPECIFICATIONS FOR STEEL HIGHWAY BRIDGES - U.S.D.A. - DEPT. BULLETIN No. 1259

ALTERNATE SECTIONS OF EQUAL STRENGTH TO THOSE BILLED ON THIS SHEET MAY BE USED AT THE OPTION OF THE CONTRACTOR, IF APPROVED IN WRITING BY THE ENGINEER.





PAINT

SHOP PAINT - ONE COAT OF APPROVED RED LEAD AND OIL.
FIELD PAINT - TWO COATS - ONE COAT OF APPROVED RED LEAD AND OIL, ONE COAT OF APPROVED GRAPHITE PAINT

NO PAINT TO BE USED UNTIL APPROVED BY THE ENGINEER

CORRECT - A. D. Bishop
BRIDGE ENGINEER

APPROVED JAN. 27, 1928
H. Slaguet
CHIEF ENGINEER

HALF PLAN
UPPER LATERAL SYSTEM

HALF PLAN
FLOOR AND LOWER LATERAL SYSTEM

PLAN
APPROACH SPAN

REFERENCE: FOR DETAILS OF APPROACH SPAN AND TRANSVERSE SECTION OF BRIDGE FLOOR SEE SHEET No. 4

SCALE 1/8" = 1'

MOMENTS IN STRINGERS AND FLOOR BEAMS	
STRINGERS	FLOOR BEAMS
D.L. 480000"#	D.L. 1744000"#
L.L. 658000"#	L.L. 1230000"#
I-38.5% - 253000"#	I-32.2% - 396000"#
TOTAL 1,391,000"#	TOTAL 3370000"#

END SHEAR	
STRINGERS	FLOOR BEAMS
D.L. 8000#	D.L. 30000#
L.L. 12000#	L.L. 21000#
I 4000#	I 7000#
TOTAL 24000#	TOTAL 58000#

IF DESIRED BEFORE DETAILING STEEL, ABUTMENT PLANS WILL BE FURNISHED.
SHEETS No. 1, 3 and 4 of 8 GO WITH SUPERSTRUCTURE

REFERENCE SHEET 1 OF 11
SHEET 68 OF 78

PLAN OF
NEWFANE BROOKLINE BRIDGE
OVER
WEST RIVER
BROOKLINE, VT.

160'

Brookline side, 8 Pl. cover

FR 99A

BRIDGE NO. 7 - DISTRICT NO. 2

Surveyed by HELVIN
Designed by SHOEMAKER
Drawn by PERKINS & LARSEN
Traced by PERKINS & LARSEN
Checked by M. L. Wardwell
Series 2 No. 7 - 21 Filed
Sheet 3 of 8 Sheets

160'

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