

NOTES

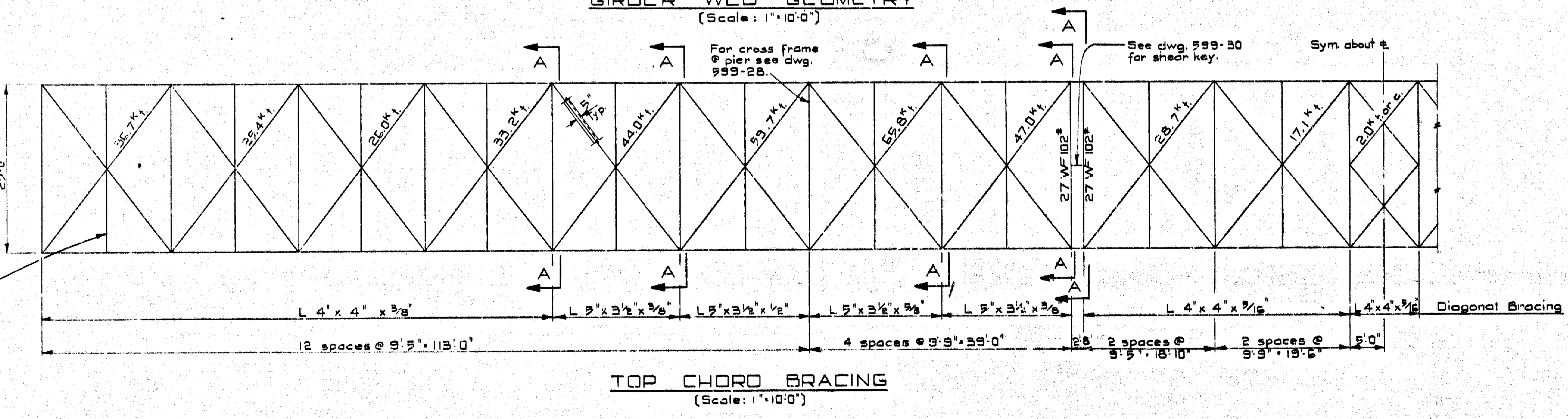
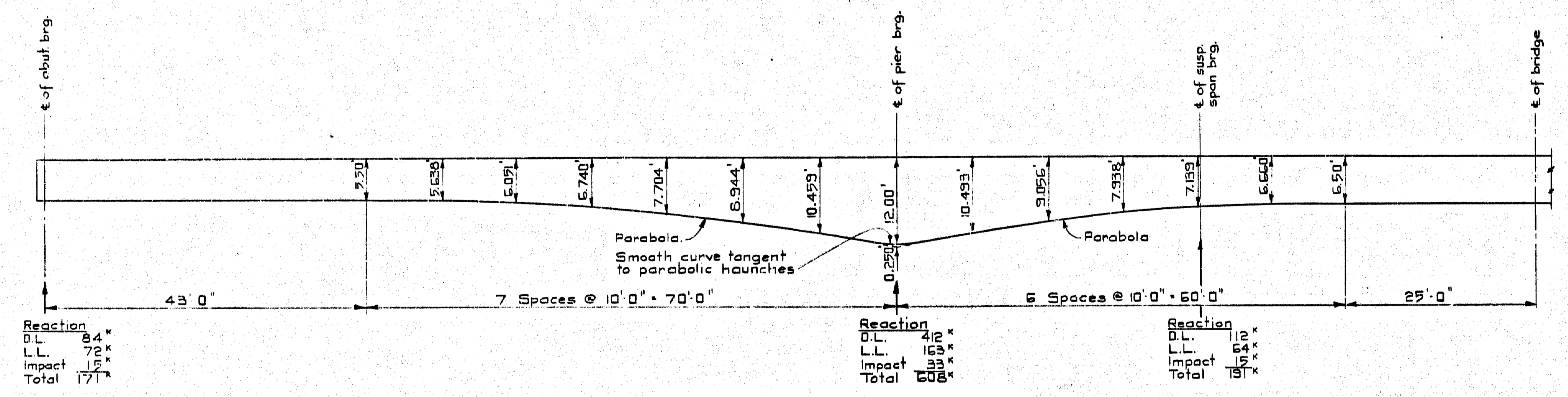
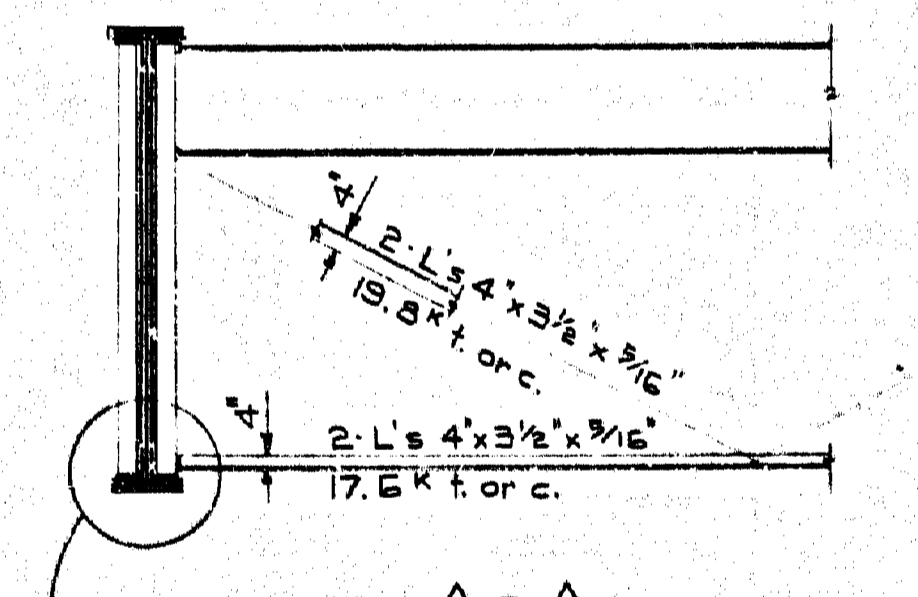
MATERIALS
All structural steel except as noted otherwise shall be medium structural steel conforming to C.S.A. G 40.4.
Floor beams and floor beam cover plates shall be structural carbon steel conforming to A.S.T.M. A 36.
Bearings shall be cast steel conforming to C.S.A. Specification G 28, 1949 Grade 65-35 fully annealed or shall be welded assemblies of structural steel conforming to A.S.T.M.-A 373-58T.
All welds shall be carbon steel forgings conforming to A.S.T.M.-A 235-55, Grade C 1.
All arc welding electrodes shall conform to C.S.A. W 48.

Rivets shall be structural rivet steel conforming to C.S.A. G 40.2. Field connections shall be made with either rivets conforming to the above specification or with high strength bolts conforming to A.S.T.M.-A 325-58T.
Washers and nuts shall conform to A.S.T.M.-A 325-58T.
DETAILS
3/8" rivets shall be used for all shop connections. 7/8" rivets or 3/4" friction type high strength bolts shall be used for all field connections.
Welding is only permissible as instructed by the Engineer and as noted on the drawings.
Welding shall conform to C.S.A. specification W 52. High strength bolts shall be tightened with either properly calibrated wrenches or by turn of nut method.
Details of splices and connections are suggested only. Alternate locations and details are to be approved by the Engineer.
Pins and sliding surfaces shall be lubricated with Molykote dry lubricant.

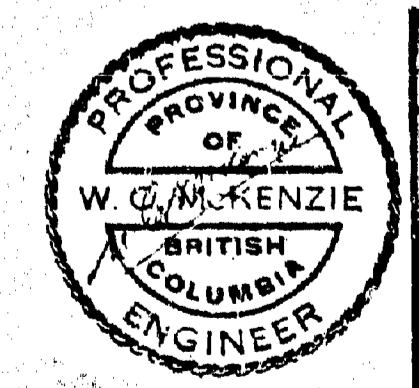
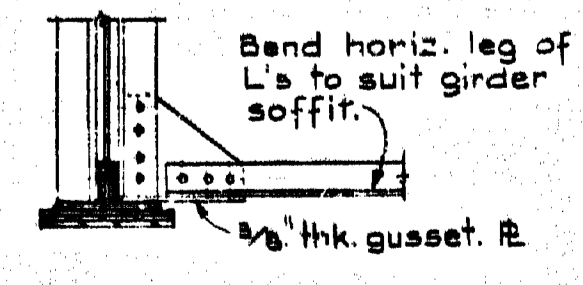
CAMBER
Girders shall be cambered as called for on the drawings.
PAINTING
All steelwork except surfaces in contact with concrete and contact surfaces of connections using high strength bolts shall receive one shop coat of Red Lead Alkyd/Oil, D.O.H. A2, in accordance with Section 215 of the General Specifications.
Field painting shall consist of one coat of Red Lead Alkyd/Oil, D.O.H. B1, followed by one coat of Aluminum, D.O.H. C3, in accordance with Section 217 of the General Specifications.
All surfaces not accessible after erection shall have both field coats specified above applied in the shop except as noted.
ERECTION
Because of possible settlement, the north abutment may be at a maximum of 3" high during steel erection. This will be confirmed in the field by the Engineer.

FLOOR BEAM FORCES

	Shear	Moment
D.L.	15.1 k	82 k-ft
L.L.	40.3 k	242 k-ft
Impact	12.1 k	73 k-ft
	67.5 k	337 k-ft



NOTE
All floor beams to be 27 WF 34, except where noted otherwise. Knee braces under all floor beams except @ cross frames & jacking girders, see dwg. 599-28.



GENERAL ARRANGEMENT APPROVED
CHIEF ENGINEER, DEPT. OF HIGHWAYS

NO.	DATE	REVISION
GOV'T. OF THE PROV. OF BRITISH COLUMBIA DEPT. OF HIGHWAYS CASTLEGAR - NELSON HIGHWAY SHOREACRES BRIDGE OVER SLOCAN RIVER		
STRUCTURAL STEEL SHEET # 1		
CHOUKALOS, WOODBURN, HOOLEY & MCKENZIE LTD. CONSULTING ENGINEERS 1159 West Broadway, Vancouver 5 B.C.		
Jr. R.A.	Date	Scale: As noted
Ch: 29	June 3, 1961	DWG. 599-27X