



GENERAL NOTES

- DESIGN**
 *AASHTO, 1961 specifications, except live load is as shown below. Dead load includes 2" wearing surface.
- MATERIALS**
 *All concrete materials shall conform to A.S.T.M. specifications.
 *Concrete shall be of standard weight aggregate with max. size 3/4" Min. compressive strength shall be 4500 p.s.i. at 28 days. Entrained air shall fall between the limits of 5.5 ± 1%.
 *Reinforcing steel shall be of intermediate grade conforming to the C.S.A. specification G30.1-1954, and deformed to conform to the specification G30.6-1954.

- FABRICATION**
 *Concrete must reach 30% of the required 28 day compressive strength before stripping and lifting.
 *Concrete must reach 65% of the required 28 day compressive strength before shipping.
 *Each girder shall have a poured camber of 1/4".
 *All acute corners on skewed girders to have 1/4" chamfer.
 *Diameters of all bends shall conform to the recommended minimums, and all hooks, unless otherwise noted shall conform to the recommended sizes detailed in the A.C.I. Manual of Standard Practice for Detailing Reinforced Concrete Structures.
 *Concrete test cylinders shall be tested by an independent testing laboratory, copies of all test results shall be forwarded to the Bridge Branch.
 *Tests shall be taken at the rate of one cylinder for each two stringers with not less than two cylinders for each day's pouring.

- NOTES:**
 CONCRETE TO HAVE 4900 P.S.I. STRENGTH AT 28 DAYS.
 INTERMEDIATE GRADE REINFORCING STEEL.
 3/4" INCH MAX SIZE COARSE AGGREGATE.
DESIGN STRESSES
 FIBRE STRESS IN CONCRETE = 1800 p.s.i. ALLOW IN COMPRESSION
 FIBRE STRESS IN STEEL = 20,000 p.s.i. ALLOW IN TENSION
DESIGN LOAD
 H20-S16-44 - IMPACT INCLUDED, WITH EACH STRINGER
 DESIGNED TO CARRY 3/4 OF WHEEL LOAD

PRECAST CONCRETE
28 FT. SPAN TYPE 'A'
INTERIOR STRINGER

GOVERNMENT OF THE PROVINCE OF ALBERTA
 DEPARTMENT OF HIGHWAYS
 BRIDGE BRANCH, EDMONTON

FILE NO.	HWY. NO.	SCALE	DWG. NO.
LOCATION	SCALE	SHOWN	5-817
STREAM	SHEET	OF	

NO.	DATE	DESCRIPTION	BY
1	Nov 30/62	Bars lifting hooks	RE
REVISIONS			