



- ### GENERAL NOTES
- DIMENSIONS ARE GIVEN IN MM EXCEPT OTHERWISE NOTED.
  - DESIGN LOADING - BRIDGE BRANCH MS 23.
  - NO ICE FORCES ASSUMED IN PIER DESIGN.
  - PILE SPLICES TO BE DRIVEN A MIN. OF 1500 MM BELOW GROUND LEVEL.
  - PILES TO BE DRIVEN TO A MIN. OF 220 KN BEARING CAPACITY.
  - GAP AT 20 mm H.T. CONNECTOR BOLTS SHALL BE FILLED WITH DROP-IN WASHERS (SEE DWG. S-1421) AND BOLTS SHALL BE TORQUED TO 400 Nm. GIRDERS SHALL NO TOUCH EXCEPT THROUGH WASHERS AT CONNECTION.
  - CONNECTOR HOLES AND LIFTING HOOK POCKETS ARE TO BE FILLED WITH SAND-CEMENT GROUT EXCEPT USE HOT-POURED C 190 ASPHALT IN COLD WEATHER.
  - FOR PRECAST GIRDERS SEE DWG.S :  
 6 m SM : S-1301 S-1302 S-1303  
 8 m SM : S-1304 S-1305 S-1306  
 10 m SM : S-1307 S-1308 S-1309  
 11 m SM : S-1310 S-1311 S-1312
  - ASPHALT IMPREGNATED FIBRE BOARD TO CONFORM TO ASTM SPECIFICATION D1751 FOR PREFORMED EXPANSION JOINT FILLERS.

- ### TREATMENT OF TIMBER :
- PILE TOPS UNDER CAPS SHALL BE COATED WITH 3 APPLICATIONS OF CREOSOTE OIL AND THOROUGHLY COVERED WITH ROOFING PITCH.
  - EXPOSED PILE TOPS SHALL BE TREATED AS IN A, AND IN ADDITION SHALL BE COVERED WITH 1 mm GALVANIZED SHEET STEEL OF A SIZE 100 mm GREATER IN DIA. THAN THE PILE. NEATLY TRIM STEEL BEND DOWN AND FASTEN TO PILE WITH GALVANIZED ROOFING NAILS.
  - TREATED TIMBER SHALL BE CAREFULLY HANDLED, SO AS TO AVOID BREAKING OF OUTER FIBERS AND BRUISING OR PENETRATING THE SURFACE. TOOLS TO BE USED ONLY ON ENDS OF TIMBER.
  - ALL CUTS AND ABRASIONS IN TREATED TIMBER SHALL, AFTER CAREFULLY TRIMMING, BE COATED WITH 2 APPLICATIONS OF CREOSOTE AND THEN BE THOROUGHLY COVERED WITH HOT ROOFING PITCH.
  - TREATED PILES MUST NOT BE DAPPED FOR SWAY BRACING IN THE FIELD.
  - BOLT HOLES BORED AFTER TREATMENT SHALL BE CAREFULLY TREATED WITH CREOSOTE. ANY UNFILLED HOLES SHALL BE SEALED WITH CREOSOTED PLUGS.

- WORK THIS DRAWING WITH:  
 S-1421 - T.T. SUBSTRUCTURE SHEET # 2.  
 S-1402 - 700 mm TUBE TYPE BRIDGERAIL.  
 S-1471 - DEEP-BEAM GUARDRAIL AT BRIDGE APPROACHES.  
 S-1405 - MULTILAYER DEEP-BEAM GUARDRAIL & BRIDGERAIL

NO.	DATE	DESCRIPTION	BY
1	86-03-19	ASPHALTIC COMPOUND IN POWEL HOLES	DHQ
2	84-06-21	REF. DVG. NUMBERS	J.C.Y.
3	84-04-17	FIBRE BOARD NOTES ADDED	J.R.C.
4	800511	CLATS REMOVED EXCEPT AT SPALLS	R.Q.

APPROVED  
*[Signature]*  
 CIVIL ENGINEER  
 DATE: JULY 7/28

Alberta TRANSPORTATION BRIDGE BRANCH METRIC

'SM' PRECAST BRIDGES  
 T.T. SUBSTRUCTURE-SHEET #1

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY. NO.	SCALE	FILE NO.	SHEET	DWG. NO.
R. QUINN	KOHLMANN	78 02 28						SHOWN		1 OF 2	S-1420