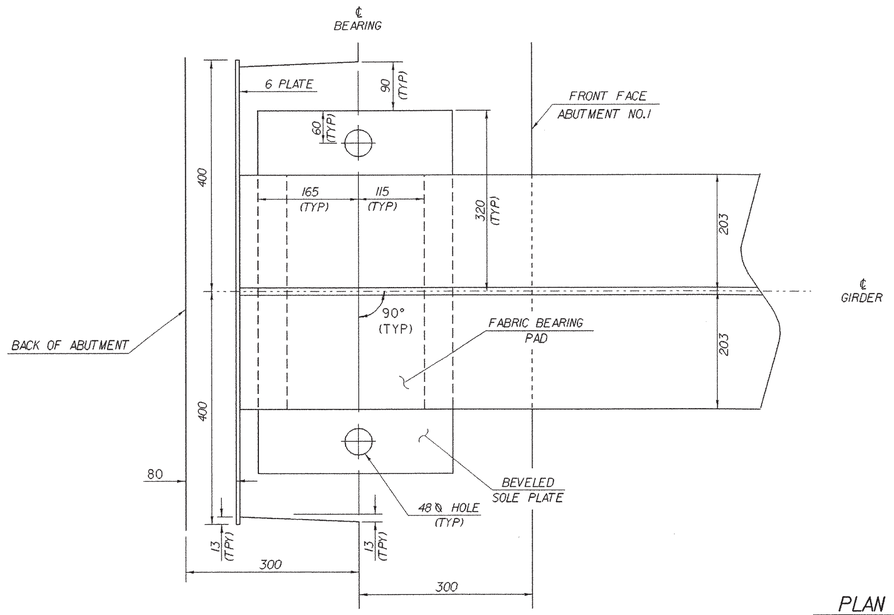
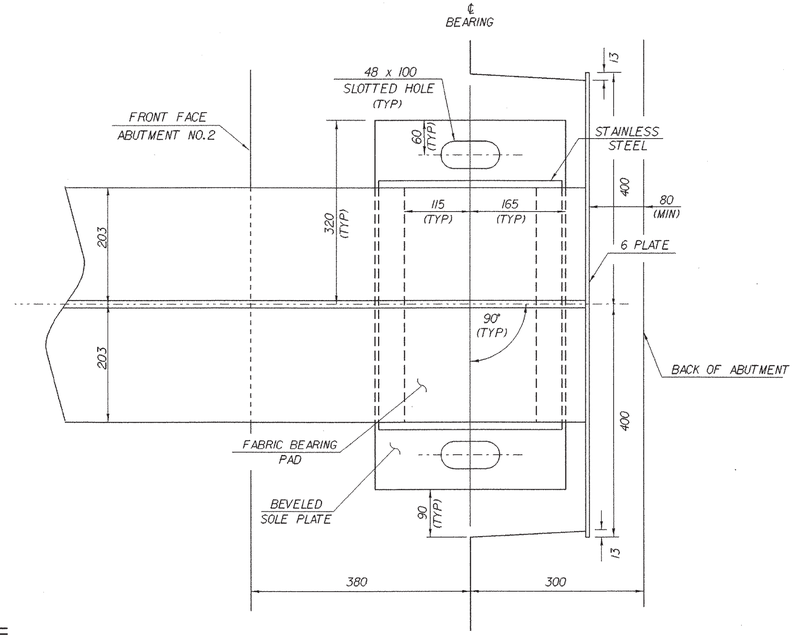


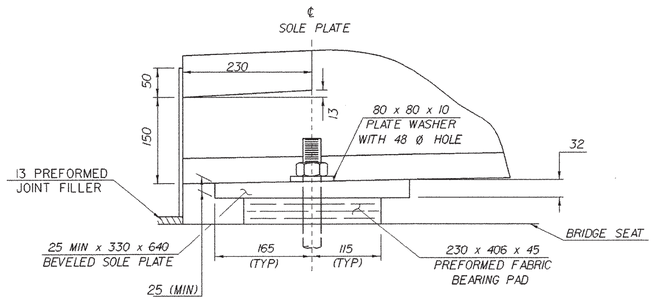
PLAN

SCALE: 1:5



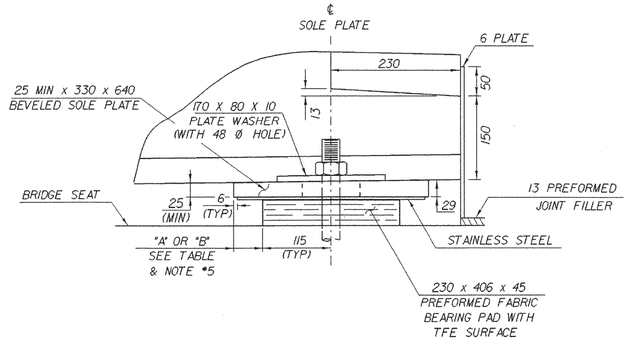
BEARING NOTES

1. Bearings shall conform to applicable subsections of section 531 & 731.
2. Bearings shall be paid for under the item 531.10 "BEARING DEVICE ASSEMBLY".
3. Shop drawings conforming to subsection 531.03 shall be submitted to include welding and bonding procedures.
4. The concrete surface under the bearing device shall be level.
5. "A" distance is the final setting for the bearing pad after the concrete slab, curb, pavement and bridge rail are placed. "B" distance is listed for setting the bearing after the structural steel is erected and before the concrete deck and curbs have been placed. The difference is the theoretical elongation of the bottom flange due to dead load deflection. The final "A" distance, as shown in the table, must be attained within 2mm.
6. Design criteria:
   A. Base plate to concrete design pressure = 7000 kPa maximum
   B. Minimum allowable design rotation = 0.015 radians
   C. Horizontal capacity shall be a minimum of 10% of the vertical load
   D. Design load per bearing = 623 kN
      LL = 342 kN
      DL = 214 kN
      SDL = 67 kN
7. All steel in bearing devices (except stainless) shall be AASHTO M-270, Grade 345.
8. Anchor bolts shall have a minimum of 380 embedment into the concrete and shall conform to subsection 714.08 in the "Vermont Specifications".
9. All bearing devices shall be galvanized or metallized as per subsection 531.04(b) and 506.15 of the General Special Provisions. Areas of galvanizing or metallizing damaged by field welding or handling shall be painted with a zinc rich paint in accordance with Supplemental Specification 513.
10. All the anchor bolts, nuts and washers shall be galvanized. All washers shall be 10 plate (minimum). Payment for anchor bolts, nuts and washers shall be included in the unit bid price for "BEARING DEVICE ASSEMBLY".

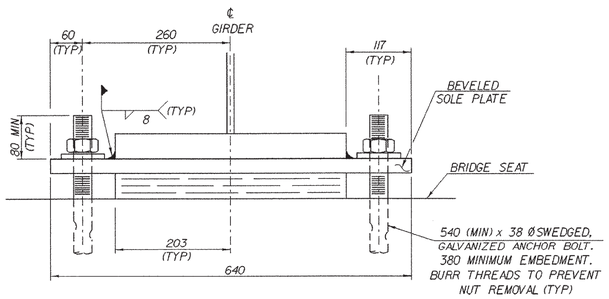


SIDE ELEVATION

SCALE: 1:5



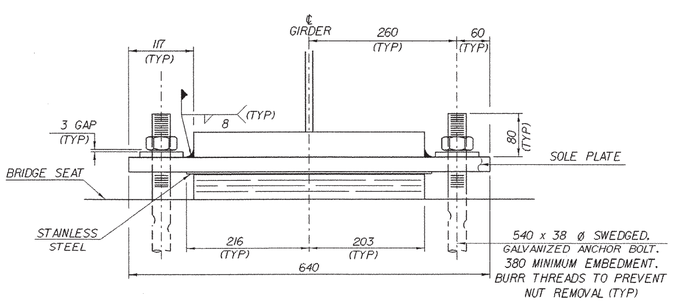
TEMP	"A" DIST	"B" DIST
-34°C	63	71
-26°C	60	68
-18°C	59	67
-9°C	56	63
-1°C	52	60
7°C	50	59
16°C	49	57
24°C	46	54
32°C	43	51
41°C	41	49
49°C	38	46



FIXED BEARING @ ABUT #1

FRONT VIEW

SCALE: 1:5



EXPANSION BEARING @ ABUT #2

SHEET NAME: **BEARING DETAILS**

PROJECT NAME: FAIR HAVEN-HAMPTON
PROJECT NUMBER: BRO 1443(32)
HIGHWAY NO.: TH 6
BRIDGE NO.: 6
OVER: POULTNEY RIVER

FILE NAME: /str1/93J021/sJ021sup2.dgn
PROJECT MANAGER: G.S. ROGERS
DESIGNED BY: C. MEUNIER
BRIDGE SHEET NUMBER:
PLOT DATE: 28-JAN-2003
DRAWN BY: D. BONNEAU
IPARM NAME: sJ021br.1
SHEET 22 OF 53