



DETOUR CONSTRUCTION
 DETOUR TO BE CONSTRUCTED BY DISTRICT ENGINEER. THE CONTRACTOR SHOULD CONTACT THE DISTRICT ENGINEER BEFORE HE BEGINS BRIDGE CONSTRUCTION TO ENABLE DISTRICT ENGINEER TO SCHEDULE AND CONSIDER THE DETOUR.

HYDRAULIC INFORMATION
 DA = 37.8 SQ MI (97.9 SQ KM)
 Q10 = 650 CFS (18.4 CMS) HW ELEV = 1139.2
 Q25 = 950 CFS (27.0 CMS) HW ELEV = 1140.9
 Q50 = 1200 CFS (34.0 CMS) HW ELEV = 1142.3
 Q100 = 1450 CFS (41.0 CMS) HW ELEV = 1143.2
 VELOCITY @ Q50 = 3 FPS (0.9 MPS)
 CHW = 180 CFS ELEV = 1134.3

DETOUR CURVE 1
 Δ = 20° RT
 CI = 10'
 TA = 57.36
 DI = 104.03
 L = 250.3
 PI = 506.74

DETOUR CURVE 2
 Δ = 45° RT
 CI = 15'
 TA = 127.32
 DI = 152.74
 L = 250.3
 PI = 506.74

| | |
|--|--------------|
| STATE OF VERMONT DEPARTMENT OF HIGHWAYS | |
| TOWN OF FERRISAND | Bridge No. |
| HIGHWAY NO. 5 | Log. Sta. |
| VT 105 THE NEWNESAN RIVER | Struct. Sta. |
| DESIGNED BY: [Signature] | |
| CHECKED BY: A. ELWOOD date 5-8-82 | |
| PROJECT: FERRISAND | |

DEC 21 1981