



PLAN  
N.T.S.

A ELEVATION  
BR403 N.T.S.

**LOCATION BRIDGE PLAQUE**

THE BRIDGE PLAQUE WILL BE SUPPLIED BY THE AGENCY OF TRANSPORTATION AND SHALL BE INSTALLED BY THE CONTRACTOR AT ABUTMENT 1 ON THE RIGHT SIDE AS SHOWN OR AS DIRECTED BY THE RESIDENT ENGINEER.

**LIST OF BRIDGE SHEETS**

SHEET NO.	DESCRIPTION
BR400	PLAN AND ELEVATION
BR401	PRELIMINARY INFORMATION
BR402	GEOGRID DETAIL
BR403	GENERAL NOTES
BR404	BRIDGE QUANTITY SHEET
BR405	BORING LOCATION PLAN
BR406	SOIL BORING LOGS
BR407	SOIL BORING LOGS
BR408	SOIL BORING LOGS
BR409	SOIL BORING LOGS
BR410	SOIL BORING LOGS
BR411	TYPICAL BRIDGE SECTION
BR412	DECK REINFORCEMENT & RAILING PLAN
BR413	FRAMING PLAN
BR414	CROSSFRAME DETAILS
BR415	GIRDER ELEVATION & DETAILS
BR416	GIRDER DETAILS
BR417	SPLICE DETAILS
BR418	ELASTOMERIC BEARING DETAILS
BR419	BRIDGE JOINT DETAILS-1
BR420	BRIDGE JOINT DETAILS-2
BR421	BRIDGE JOINT DETAILS-3
BR422	BRIDGE JOINT DETAILS-4
BR423	APPROACH SLAB DETAILS
BR424	CURB AND COPING DETAILS
BR425	ABUTMENT 1 PLAN, ELEVATION & SECTION
BR426	ABUTMENT 1 DETAILS
BR427	ABUTMENT 2 PLAN, ELEVATION & SECTION
BR428	ABUTMENTS 1 & 2 FOOTING DETAILS
BR429	ABUTMENT 2 DETAILS
BR430	ABUTMENT 2 WINGWALL DETAILS
BR431	SITE PLAN AND GENERAL NOTES
BR432	TYPICAL DETAILS
BR433	MSE ABUTMENT WALL 1 ELEVATION
BR434	TYPICAL CROSS SECTION AND DETAILS
BR435	PANEL REINFORCEMENTS
BR436	PANEL REINFORCEMENTS
BR437	STANDARD DETAIL SHEET
BR438	REINFORCING STEEL SCHEDULE

**GENERAL NOTES**

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR CONSTRUCTION 2001, ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (SIXTEENTH EDITION - 1996, METRIC), AND ITS LATEST REVISIONS.
2. ALL FIELD CONNECTIONS SHALL BE MADE WITH M22 DIAMETER BOLTS MEETING AASHTO M 164M TYPE 3 BOLTS SHALL BE USED IN UNPAINTED AREAS AND TYPE 1 GALVANIZED BOLTS SHALL BE USED IN PAINTED AREAS. HOLES SHALL BE 24 mm DIAMETER. CONNECTIONS NOT DESIGNED SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED FOR APPROVAL.
3. ALL WELDING AND DIMENSIONAL TOLERANCES OF WELDED MEMBERS SHALL CONFORM TO THE LATEST ANSI/AASHTO/AWS WELDING CODE AND ITS LATEST REVISIONS.
4. AFTER SUPERSTRUCTURE STEEL HAS BEEN ERECTED, BEAM PROFILES SHALL BE TAKEN. CONCRETE SHALL NOT BE PLACED ABOVE BRIDGE SEAT ELEVATIONS UNTIL AFTER PROFILES ARE COMPLETE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
5. ANY FORM BRACKET HOLES IN FASCIA GIRDER WEBS NOT OTHERWISE FILLED SHALL BE FILLED WITH BUTTON HEAD OR HEX HEAD, AASHTO M164M, TYPE 3 BOLTS, EXCEPT IN AREAS OF PAINTED STEEL, WHERE TYPE 1 GALVANIZED BOLTS SHALL BE USED.
6. MINIMUM COVER FOR REINFORCING STEEL IN SUBSTRUCTURE SHALL BE 50 mm ALONG BACK FACES OF WALLS AGAINST EARTH, AND 75 mm ELSEWHERE.
7. REINFORCEMENT PLACEMENT TOLERANCES SHALL BE:  
SPACING: 25 mm  
CLEARANCE: 5 mm
8. DECK CONCRETE SHALL BE "CONCRETE CLASS 0C/0A". CURB CONCRETE SHALL BE "CONCRETE, CLASS A 0C/0A (MOD.)". ALL OTHER CONCRETE SHALL BE "CONCRETE CLASS B" UNLESS OTHERWISE DESIGNATED ON THE PLANS.
9. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 25 mm BY 25 mm.
10. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL. OTHER BRIDGE SEAT AREAS SHALL BE SLOPED 4%. ABUTMENT SEATS SHALL BE SLOPED FULL WIDTH TOWARD CENTER SPAN. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE SMOOTH WITH FLOAT FINISH AS PER SUBSECTION 501J6.
11. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF DECK BETWEEN DRIP NOTCHES.
12. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 20 DEGREES CELSIUS UNLESS OTHERWISE NOTED.
13. JOINTS AND SCORE MARKS SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
14. THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT.
15. STONE FILL SHALL BE PLACED IN FRONT OF THE ABUTMENTS BEFORE SUPERSTRUCTURE STEEL IS PLACED.
16. FASCIA OVERHANG BRACKET DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR BUT THE MAXIMUM SPACING OF THESE BRACKETS SHALL NOT EXCEED 1200 mm.
17. LIMITS OF IN-STREAM CONSTRUCTION WILL BE AS SPECIFIED IN ALL APPLICABLE PERMITS.
18. ALL SHOP DRAWINGS, BEAM PROFILES AND MSE WALL DESIGN SUBMITTALS SHALL BE SENT TO DALE GOZALKOWSKI, CLOUGH HARBOUR & ASSOCIATES, 111 WINNERS CIRCLE, P.O. BOX 5269, ALBANY NY 12205-0269 FOR APPROVAL.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BR400
Highway No.	VT. RTE. 9	Log Sta.	
		Surv. Sta.	14+140
VT. RTE. 9 OVER AIRPORT BROOK WEST			
GENERAL NOTES			
Designed By	M. GOGUEN	Drawn by	K. DETRICK/B. WEATHERBY
Checked By	Date P. PERKINS 11/01	Bridge Design Supervisor	Date 11/01 M. OLSTAD
PROJECT	BENNINGTON-HOOSICK	PROJECT NO.	D.P.J. 0146(1)
I.G.C. Info.		Bridge Sheet No.	BR403
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