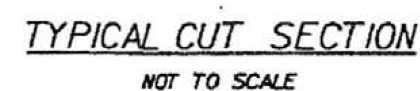




BR300 PRELIMINARY INFORMATION SHEET
BR301 PLAN AND PROFILE
BR302-303 BORING INFORMATION SHEETS
BR304-305 BORING LOGS



NOTE:
ALL DIMENSIONS ARE IN MILLIMETERS (mm)
UNLESS OTHERWISE NOTED.

Metric

~~DRAINAGE AREA _____~~

~~CHARACTER OF TERRAIN _____~~

~~CHARACTER & TYPE OF STREAM _____~~

~~NATURE OF STREAMBED _____~~

~~Q2=33= _____ cms Q50= _____ cms~~

~~Q10= _____ cms Q100= _____ cms~~

~~Q25= _____ cms Q500= _____ cms~~

~~DATE OF FLOOD RECORD: _____~~

~~WATER SURFACE ELEV.: _____ ESTIMATED DISCHARGE: _____~~

~~NATURAL STREAM VELOCITY @ Q50 = _____ mps.~~

~~ICE CONDITIONS: _____ DEBRIS: _____~~

~~DOES THE STREAM REACH MAXIMUM HIGHWATER ELEVATION RAPIDLY?~~

~~IS ORDINARY RISE RAPID? _____~~

~~IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS?~~

~~IF YES- DESCRIBE. _____~~

~~WATERSHED STORAGE _____ HEADWATERS _____ UNIFORM THROUGHOUT WATERSHED _____~~

~~_____ IMMEDIATELY ABOVE SITE _____~~

STRUCTURE TYPE: Precast concrete box underpass

CLEAR SPAN (NORMAL TO STREAM): N/A

VERTICAL CLEARANCE ABOVE STREAMBED: N/A

WATERWAY OF FULL OPENING: N/A

WATER SURFACE ELEV. @ Q2.33= _____ VELOCITY= _____ mps
Q10= _____ " _____ mps
Q25= _____ " _____ mps
Q50= _____ " _____ mps
Q100= _____ " _____ mps

IS THE ROADWAY OVERTOPPED BELOW THE Q100? N/A FREQUENCY: N/A

RELIEF ELEVATION: N/A DISCHARGE OVER ROAD @ Q100: N/A

AVERAGE LOW ELEVATION OF SUPERSTRUCTURE: _____

VERTICAL CLEARANCE @ Q 100 = _____ m

SCOUR: Channel = N/A

REQUIRED CHANNEL PROTECTION: N/A

EXISTING STRUCTURE

STRUCTURE TYPE: N/A YEAR BUILT: N/A

CLEAR SPAN NORMAL TO STREAM: N/A

VERTICAL CLEARANCE ABOVE STREAMBED: N/A

WATERWAY OF FULL OPENING: N/A

DISPOSITION OF STRUCTURE: N/A

TYPE OF MATERIAL UNDER SUBSTRUCTURE: N/A

WATER SURFACE ELEV. @ 02+33= _____ VELOCITY: _____ MPS

010= _____ " _____ MPS

025= _____ " _____ MPS

050= _____ " _____ MPS

0100= _____ " _____ MPS

LONG TERM STREAM BED CHANGES: N/A

IS THE ROADWAY OVERTOPPED BELOW THE 0100? N/A FREQUENCY: N/A

RELIEF ELEVATION: N/A DISCHARGE OVER ROAD @ 0100: N/A

UPSTREAM STRUCTURE: TOWN: N/A DISTANCE: _____

HIGHWAY NO.: _____ STRUCTURE NO.: _____

STRUCTURE TYPE: _____

CLEAR SPAN: _____ CLEAR HEIGHT: _____

YEAR BUILT: _____ FULL WATERWAY: _____

• DOWNSTREAM STRUCTURE: TOWN: N/A DISTANCE: _____

HIGHWAY NO.: _____ STRUCTURE NO.: _____

STRUCTURE TYPE: _____

CLEAR SPAN: _____ CLEAR HEIGHT: _____

YEAR BUILT: _____ FULL WATERWAY: _____

• (COMPLETE INFORMATION WILL BE PROVIDED ON FINAL PLANS)

AVERAGE DAILY FLOW:	N/A	
ORDINARY LOW WATER:	cms	ELEV.:
ORDINARY HIGH WATER:	cms	ELEV.:

STRUCTURE TYPE: N/A

CLEAR SPAN (NORMAL TO STREAM): N/A

VERTICAL CLEARANCE ABOVE STREAMBED: N/A

WATERWAY OF FULL OPENING: N/A

1. DESIGN LIVE LOAD AASHTO MS-22.5

2. DESIGN SPAN 3 METERS

3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL 290 kPa ON LEDGE N/A

4. ALLOWABLE LOAD FOR PILING N/A TYPE N/A ESTIMATED LENGTH N/A

5. STRUCTURAL STEEL AASHTO GRADE N/A

6. REINFORCING STEEL GRADE 420

7. CONCRETE, HIGH PERFORMANCE CLASS A $f_c + 30$ MPA

CONCRETE, HIGH PERFORMANCE CLASS B $f_c + 25$ MPA

1. IS TRAFFIC TO BE MAINTAINED? NO IF YES, ON EXISTING STRUCTURE N/A OR ON TEMPORARY BRIDGE N/A
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY N/A TRAFFIC CONTROL SIGNALS REQUIRED N/A
MINIMUM CLEAR SPAN (NORMAL TO STREAM): N/A VERTICAL CLEARANCE ABOVE STREAMBED: N/A
WATERWAY AT FULL OPENING: N/A
ARE SIDEWALKS REQUIRED? N/A IF SO, ON WHAT SIDE? N/A

$$RF = \frac{\phi M_H - 1.3 M_{DL}}{A \times M_{LL+I}}$$

Town Of	BENNINGTON	Bridge No.
Highway No.		Log Sta.
		Surv. Sta.

Designed By S. BURBANK	Drawn By S. BURBANK
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Designed By S. BURBANK	Drawn By S. BURBANK
------------------------	---------------------

Designed by S. BURBANK	Drawn by S. BURBANK
Checked By _____ Date _____	Bridge Design Supervisor _____

Checked by	Date	Bridge Design Supervisor
M. CHENETTE	11/04	G. BOGUE Date

PROJECT		PROJECT NO.	
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PROJECT	BENNINGTON	PROJECT NO.	NH F019-10
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BENNINGTON NH FOIA-10

DH CAD Drawing Name: ... \PlotFiles\RM\RM-Front.dwg Date: 11/12/2017

Bridge Sheet No. BB300 Sheet 27 of 112

Bridge Sheet No. BR300 Sheet 22 of 112