

VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-03 SHEET 1 of 2 DATE STARTED: 9/28/04 DATE COMPLETED: 10/05/04			
PROJECT NAME: HUNTINGTON SITE NAME: BR-42 STATION: 9+95.50 OFFSET: -13.30		PROJECT NUMBER: BRO 1445(29) SITE NUMBER: TH-4 GROUND ELEVATION: 607.30 ft GROUNDWATER DEPTH:		BORING CREW CREW CHIEF: TALLMAN DRILLER: TALLMAN LOGGER: RUSSELL			
BORING RIG: DOZER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	W.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		BXDC, Cleaned out casing, 4.6 ft - 5.0 ft A-2-4, So, gry, Moist, Rec. = 1.4 ft	33	23.0	1.7	86.3	12.0
10		A-4, SoSl, gry, Moist, Rec. = 1.7 ft	33	25.4	0.5	41.9	57.8
15		A-4, SiSo, gry, Moist, Rec. = 1.7 ft	80	25.3	0.7	63.8	35.5
20		A-3, So, gry, Moist, Rec. = 1.8 ft BXDC, Casing plugged up, Used drillers mud, 22.0 ft - 25.0 ft	45	22.8	0.3	90.2	9.5
25		A-2-4, So, gry, Moist, Rec. = 2.0 ft, Casing broke off, Moved Hole 2 ft, Went down 30' before sampling again.	53	16.7	13.1	71.4	15.5
30		A-4, SoSl, gry, Moist, Rec. = 2.0 ft	47	21.5	2.7	42.4	54.9
35		A-4, SoSl, gry, Moist, Rec. = 1.8 ft	48	25.3	3.8	41.7	54.5

PIER BOTTOM OF FOOTING
 EL. 599.00
 ESTIMATED PILE LENGTH = 53'-0"
 (INCLUDES 1'-0" EMBEDMENT IN FOOTING)
 U.S. OF MILES: APPROXIMATE BEARING CAPACITY AT 50% OF PILE

VT		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-03 SHEET 2 of 2 DATE STARTED: 9/28/04 DATE COMPLETED: 10/05/04			
PROJECT NAME: HUNTINGTON SITE NAME: BR-42 STATION: 9+95.50 OFFSET: -13.30		PROJECT NUMBER: BRO 1445(29) SITE NUMBER: TH-4 GROUND ELEVATION: 607.30 ft GROUNDWATER DEPTH:		BORING CREW CREW CHIEF: TALLMAN DRILLER: TALLMAN LOGGER: RUSSELL			
BORING RIG: DOZER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG							
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	W.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
45		A-4, SoSl, gry, Moist, Rec. = 1.2 ft A-2-4, SiSo, gry, Moist, Rec. = 0.5 ft	81	23.0	0.1	21.7	78.2
45		BXDC, Cleaned out and then hit a big aquifer, 44.5 ft - 45.0 ft A-1-a, Gr, gry, Moist, Rec. = 0.8 ft	80	7.8	77.5	17.1	5.4
50		BXDC, Cleaned out casing, 49.5 ft - 50.0 ft A-1-a, Gr, gry, Moist, Rec. = 0.2 ft	R	5.6	84.0	14.9	1.1
55		BXDC, Cleaned out casing, 54.5 ft - 55.0 ft A-1-a, SoGr, gry, Moist, Rec. = 0.8 ft	R	9.5	66.6	29.7	3.7
60		BXDC, Cleaned out casing, 59.25 ft - 60.0 ft A-1-a, SoGr, gry, Moist, Rec. = 1.5 ft	R	8.4	67.5	26.6	5.9
65		A-1-a, SoGr, gry, Moist, Rec. = 1.2 ft, Casing would not advance due to bit being worn out. Hole stopped @ 67.0 ft	R	7.9	71.2	22.5	6.3
DRILLER'S NOTES: A large aquifer is at 45 feet and pushes a full casing of water. Water was still pushing out of the casing at 55 feet. Water would stop flowing out of the casing with 6 feet of casing showing above the river. Water also stopped flowing while retreating the casing at 30 feet.							

APPROXIMATE
 BOTTOM OF PILE
 EL. 547.00
 U.S. OF MILES: APPROXIMATE BEARING CAPACITY AT 50% OF PILE

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	HUNTINGTON	Bridge No.	42
Highway No.	T.H. 4	Log Sta.	
		Surv. Sta.	
EAST STREET (T.H. #4) OVER HUNTINGTON RIVER			
BORING INFORMATION SHEET 3			
Designed By	T. KNIGHT	Drawn By	S. BURBANK
Checked By	M. CHENETTE	Date	12/04
		Bridge Design Supervisor	M. CHENETTE Date 09/05
PROJECT	HUNTINGTON	PROJECT NO.	BRO 1445 (29)
DH Dgn:...	Cadd\Trans\z01j302bor2.dgn	Plot Date:	1/12/2006
Bridge Sheet No.	25	of	63