



Bethel-Randolph STP 2921(I)
 Client: Vermont Agency of Transportation
 Contractor: Platform Environmental Drilling
 Driller: C. Aldrich / Inspector: K. Owens

VT State Route 12
 Pave ment Rehabilitation
 CHA No. 24150
 Auger Probe Log

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)		SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							DRILLING NOTES: (LAT, LONG - Decimal Degrees)		
				T	B			% MOISTURE	AASHTO CLASS.	ASTM CLASS.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT		PLASTIC LIMIT	
B-101	5/10/2012	2.30	5.5	0.0	1.17		Asphalt Pavement										Auger grinding to 3.0 ft.
				1.2	1.8		Subbase										
				1.8	3.0	Auger	f.m.c. SAND, l. silt, t. f.c. gravel, d. brn, moist		A-4	SM							
				3	5.0	Auger	f. SAND, S. Silt, l. m.c. sand, t. f.c. gravel, brn, moist		A-4	SM							
							End of Boring @ 5.0 feet										(-72.6426970956, 43.83388005566)
B-102	5/10/2012	2.50	7.5	0.0	1.33		Asphalt Pavement										Auger grinding to 3.0 ft.
				1.3	2.0		Subbase										
				2.0	3.0	Auger	f.m.c. SAND, l. f.c. gravel, t. silt, brn, moist	15.1	A-4	SM	17.1	42.0	40.9				
				3.0	5.0	Auger	f. SAND, S. Silt, l. m.c. sand, t. f.c. gravel, brn, moist	10.8	A-4	SM	0.7	58.2	41.1				
							End of Boring @ 5.0 feet										(-72.645550086, 43.8360406977)
B-103	5/10/2012	2.70	5.5	0.0	1.17		Asphalt Pavement - 10" Top Coat, 4" Decomposed Base										Auger grinding full depth.
				1.2	1.8		Subbase										
				1.8	5.0	Auger	f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
							End of Boring @ 5.0 feet										(-72.6480491377, 43.83836628573)
B-104	5/11/2012	2.90	7	0.0	1.33		Asphalt Pavement - 3" Top Coat, 13" Decomposed Base										Auger grinding 3.0 ft to 5.0 ft.
				1.3	2.3	Auger	Subbase - f.c. GRAVEL and f.m.c. SAND, l. silt, brn, moist	4.0	A-1-b	SM	42.1	39.1	18.8				
				2.3	5.0	Auger	SILT, l. f.m.c. sand, t. f.c. gravel, brn/gry, moist	30.7	A-4	ML	2.4	15.4	82.2				
							End of Boring @ 5.0 feet										(-72.6496312868, 43.8408267531)
B-105	5/11/2012	3.10	6	0.0	1.0		Asphalt Pavement - 3" Top Coat, 9" Decomposed Base										Boring advanced adj. to rock outcrop and on top of slope.
				1.0	2.0	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				2.0	5.0	Auger	SILT, l. f.m.c. sand, t. f.c. gravel, brn/gry, moist		A-4	ML							
							End of Boring @ 5.0 feet										(-72.649582022, 43.84391841143)
B-106	5/11/2012	3.30	6.5	0.0	1.25		Asphalt Pavement - 3" Top Coat, 12" Decomposed Base										Auger grinding full depth.
				1.3	3.5	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				3.5	5.0	Auger	grades to f.m. sand		A-4	SM							
							End of Boring @ 5.0 feet										(-72.64885639, 43.84658227354)
B-107	5/11/2012	3.50	6	0.0	1.0		Asphalt Pavement - 3" Top Coat, 9" Decomposed Base										Auger grinding full depth.
				1.0	3.0	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				3.0	5.0	Auger	grades to f.m. sand, l. f.c. gravel		A-4	SM							
							End of Boring @ 5.0 feet										(-72.6470794637, 43.84940222105)
B-108	5/11/2012	3.70	5.5	0.0	1.0		Asphalt Pavement - 3" Top Coat, 9" Decomposed Base										Auger grinding full depth.
				1.0	4.0	Auger	Subbase - f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist	5.3	A-2-b	SM	23.3	49.2	27.6				
				4.0	5.0	Auger	f.m. SAND, l. silt, brn, moist	8.0	A-2-4	SM	0.0	71.8	28.2				
							End of Boring @ 5.0 feet										(-72.6470783645, 43.85211645848)

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)		SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							DRILLING NOTES: (LAT, LONG - Decimal Degrees)		
				T	B			% MOISTURE	AASHTO CLASS.	ASTM CLASS.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT		PLASTIC LIMIT	
B-109	5/11/2012	3.90	6	0.0	0.92		Asphalt Pavement - 4" Top Coat, 7" Decomposed Base										Drilling resistance dec. at 3.0 ft.
				0.9	3.0	Auger	Subbase - f.c. GRAVEL & f.m.c. SAND, S. silt, brn, moist	3.7	A-1-b	SM	42.2	37.4	20.4				
				3.0	5.0	Auger	SILT, S. f. Sand, d. brn, moist	26.3	A-4	ML	0.8	37.2	62.0				
							End of Boring @ 5.0'										(-72.647896654, 43.85494676265)
B-110	5/11/2012	4.10	6	0.0	1.0		Asphalt Pavement - 3" Top Coat, 3" Base, 6" Decom. Base										Auger grinding to 2.5 ft.
				1.0	2.5	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				2.5	5.0	Auger	SILT, l. f. sand, d. brn/gry, moist		A-4	ML							
							End of Boring @ 5.0'										(-72.6495186653, 43.8572569141)
B-111	5/11/2012	4.30	5	0.0	1.17		Asphalt Pavement - 3" Top Coat, 11" Base										Drilling difficulty dec. at 2.5 ft.
				1.2	2.5	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				2.5	5.0	Auger	f.m. SAND, S. f.c. Gravel, l. silt, brn, moist		A-4	SM							
							End of Boring @ 5.0'										(-72.6481424541, 43.860058757)
B-112	5/11/2012	4.50	6.5	0.0	1.08		Asphalt Pavement - 3" Top Coat, 10" Decomposed Base										Drilling difficult dec. at 4.0 ft.
				1.1	4.0	Auger	Subbase - f.c. GRAVEL & f.m.c. sand, l. silt, brn, moist	2.4	A-1-b	SM	50.7	32.8	16.5				
				4.0	5.0	Auger	SILT & f.m.c. SAND, t. f.c. gravel, brn/d. brn/org, moist	18.3	A-4	SM	7.5	45.9	46.7				
							End of Boring @ 5.0'										(-72.647436622, 43.86298753545)
B-113	5/11/2012	4.70	5	0.0	1.0		Asphalt Pavement - 3" Top Coat, 9" Decomposed Base										Auger grinding 4.0 ft to 5.0 ft.
				1.0	2.5	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				2.5	4.0	Auger	f. SAND, S. silt, brn/org, moist		A-4	SM							
				4.0	5.0	Auger	f.m. SAND, l. silt, l. f.c. gravel, l. brn, moist		A-4	SM							
							End of Boring @ 5.0'										(-72.6457488864, 43.865502915502)
B-114	5/11/2012	4.90	6.5	0.0	0.92		Asphalt Pavement - 3" Top Coat, 8" Decomposed Base										Auger grinding full depth.
				0.9	5.0	Auger	f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
							End of Boring @ 5.0'										(-72.6441953624, 43.86822900313)
B-115	5/11/2012	5.10	5	0.0	0.92		Asphalt Pavement - 4" Top Coat, 7" Decomposed Base										Difficult drilling entire depth.
				0.9	3.5	Auger	f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				3.5	5.0	Auger	becomes d. brn		A-4	SM							
							End of Boring @ 5.0'										(-72.645584766, 43.87073803072)
B-116	5/11/2012	5.30	5	0.0	0.83		Asphalt Pavement - 4" Top Coat, 6" Decomposed Base										Auger grinding full depth.
				0.8	5.0	Auger	f.c. GRAVEL & f.m.c. SAND, S. silt, brn, moist	5.5	A-1-b	SM	40.2	38.7	21.2				
							End of Boring @ 5.0'										(-72.6471080789, 43.8730487505)

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)		SAMPLE TYPE	FIELD DESCRIPTION	LABORATORY RESULTS							DRILLING NOTES: (LAT, LONG - Decimal Degrees)		
				T	B			% MOISTURE	AASHTO CLASS.	ASTM CLASS.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT		PLASTIC LIMIT	
B-117A	5/11/2012	5.50	6.5	0.0	0.8		Asphalt Pavement - Decomposed										Auger grinding entire depth.
				0.8	4.5	Auger	f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				4.5	5.0	Auger	becomes d. brn/gry		A-4	SM							
							End of Boring @ 5.0'										(-72.6474970905, 43.876364395108)
B-118	5/11/2012	5.70	5.5	0.0	1.2		Asphalt Pavement - 6" Top Coat, 8" Decomposed Base										Auger grinding entire depth.
				1.2	2.0	Auger	Subbase - f.m.c. SAND, l. silt, l. f.c. gravel, brn, moist		A-4	SM							
				2.0	5.0	Auger	becomes gry		A-4	SM							
							End of Boring @ 5.0'										(-72.64669668, 43.87902647438)
B-119	5/11/2012	5.90	5	0.0	1.5		Asphalt Pavement - 3" Top Coat, 15" Decomposed Base										Auger grinding full depth.
				1.5	3.0	Auger	f.c. GRAVEL & f.m.c. SAND, S. silt, brn, moist	2.4	A-1-b	SM	45.7	38.0	16.3				
				3.0	5.0	Auger	SILT, S. f.m.c. Sand, l. f.c. gravel, brn/d. brn/org, moist	11.2	A-4	ML	12.5	33.6	54.0				
							End of Boring @ 5.0'										(-72.6455185492, 43.881844925467)
B-120	5/11/2012	6.10	6	0.0	1.5		Asphalt Pavement - 3" Top, 15" Decomposed Base										Auger grinding full depth.
		</															