Project No: **23034.1000.32000**
Client: **Vermont Agency of Transportation**
Contractor: **Mike's Boring & Coring**
Driller: **D. Johnson**
Inspector: **K. Owens**

STP 2911(1) Vershire-Thetford

Auger Probe Drilling Notes

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-101	7/12/2011	MM 3.56	7.4	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 5.0	Auger	f.m.c. SAND, S. Silt, tr. f. gravel, brn, moist	11.9	A-2-4	SM	6.3	70.5	23.2		
						Auger grinding 1.5' - 2.5'								
						End of boring @ 5.0'								
B-102	7/12/2011	MM 3.76	5.0	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4	Grab	Subbase - f.c. GRAVEL, S. f.m.c. Sand, t. silt, blk, moist	3.4	A-1-a	GP	68.5	28.6	2.8		
				0.4 - 5.0	Auger	SILT, S. f.m.c. Sand, lit. f.c. gravel, d. brn, moist	18.1	A-2-4	SM	14.2	66.8	19.0		
						Auger grinding 2.0' - 3.5'								
						End of boring @ 5.0'								
B-103	7/12/2011	MM 3.96	7.4	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, d. brn, moist	18.0	A-2-4	SM	12.5	64.8	22.7		
						Auger grinding 2.5'-3.5'								
						End of boring @ 5.0'								
B-104	7/12/2011	MM 4.16	5.3	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						End of boring @ 5.0								
B-105	7/12/2011	MM 4.36	6.9	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 4.5	Auger	f.m.c. SAND, S. Silt, lit. f. gravel, brn, moist		A-2-4	SM					
				4.5 - 5.0	Auger	turns gray @ 4.5'								
						End of boring @ 5.0'								
B-106	7/12/2011	MM 4.56	4.6	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND and SILT, tr. f. gravel, brn, moist		A-4	SM					
						Auger grinding 4.0' - 5.0'								
						End of boring @ 5.0'								

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B-107	7/12/2011	MM 4.76	5.5	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f. gravel, brn, moist	8.0	A-2-4	SM	15.8	63.7	20.5		
						Auger grinding 1.0' - 3.0'								
						End of boring @ 5.0'								
B-108	7/12/2011	MM 4.96	5.7	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.5		Subbase								
				0.5 - 2.2		f.m.c. SAND, S. Silt, lit. f. gravel, l. brn, moist		A-2-4	SM					
				2.2 - 5.0	Auger	turns gray @ 2.2'								
						End of boring @ 5.0								
B-109	7/12/2011	MM 5.16	6.5	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, lit. f. gravel, lit. silt, d. brn, moist	5.9	A-2-4	SM	19.2	61.3	19.5		
						End of boring @ 5.0'								
B-110	7/12/2011	MM 5.36	5.6	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3	Grab	Subbase - f.c. GRAVEL, S. f.m.c. Sand, tr. silt, blk, moist	2.1	A-1-a	GP	77.0	21.0	2.1		
				0.3 - 5.0	Auger	f.m.c. SAND, S. f.c. GRAVEL, lit. silt, l. brn, moist	6.6	A-2-4	SM	25.6	56.8	17.6		
						End of boring @ 5.0'								
B-111	7/12/2011	MM 5.56	7.6	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						End of boring @ 5.0'								
B-112	7/12/2011	MM 5.76	5.0	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, lit. silt, lit. f. gravel, brn, moist		A-1-b	SM					
						End of boring @ 5.0'								

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BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	ASTM. CLASS	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-113	7/12/2011	MM 5.96	7.5	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5		Subbase								
				0.5 - 2.3	Auger	f.m.c. SAND, S. f. Gravel, lit. silt, brn, moist	3.9	A-1-b	SM	33.8	48.8	17.4		
						Auger grinding @ 2.0'								
						Auger refusal @ 2.3'								
B-114	7/12/2011	MM 6.16	7.3	0.0 - 0.4		Asphalt Pavement								
				0.4 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist	8.7	A-2-4	SM	21.7	57.2	21.1		
						End of boring @ 5.0'								
B-115	7/12/2011	MM 6.36	7.8	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.4		Subbase								
				0.4 - 2.5	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, l. brn, moist	8.6	A-2-4	SM	27.9	52.6	19.5		
				2.5 - 5.0		becomes wet @ 2.5'								
						End of boring @ 5.0'								
B-116	7/12/2011	MM 6.56	5.0	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.6		Subbase								
				0.6 - 2.5	Auger	f.m.c. SAND, lit. silt, lit. f.c. gravel, gry, moist		A-2-4	SM					
						Auger grinding throughout drilling								
						Auger refusal @ 2.5'								
B-117	7/11/2011	MM 6.76	6.9	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.4	Grab	Subbase - f.c. GRAVEL, S. f.m.c. Sand, tr. Silt, blk, moist	2.1	A-1-a	GP	77.0	21.0	2.1		
				0.4 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, d. brn, moist		A-2-4	SM					
						Auger grinding throughout drilling								
						End of boring @ 5.0'								
B-118	7/11/2011	MM 6.96	6.3	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f. gravel, brn, moist		A-2-4	SM					
						End of boring @ 5.0'								

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B-119	7/11/2011	MM 7.16	6.8	0.0 - 0.4		Asphalt Pavement								
				0.4 - 0.5		Subbase								
				0.5 - 5.0	Auger	f.m.c. SAND, S. Silt, lit. f.c. gravel, brn, moist		A-2-4	SM					
						Auger grinding throughout boring								
						Auger refusal @ 4.5'								
B-120	7/11/2011	MM 7.36	5.3	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.3		Subbase								
				0.3 - 1.5	Auger	f.c. GRAVEL, S. f.m.c. Sand, tr. silt, brn, moist	2.8	A-1-a	GP	55.7	35.6	8.7		
						Auger refusal @ 1.5'								
B-121	7/11/2011	MM 7.56	4.8	0.0 - 0.2		Asphalt Pavement								
				0.2 - 0.3		Subbase								
				0.3 - 5.0	Auger	f.m.c. SAND, lit. silt, tr. f.c. gravel, brn, moist		A-1-b	SM					
						End of boring @ 5.0'								
B-122	7/11/2011	MM 7.76	4.7	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.4	Grab	Subbase - f.c. GRAVEL, lit. sand, tr. silt, blk, moist	1.8	A-1-a	GP	79.6	18.1	2.3		
				0.4 - 2.9	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, brn, moist	7.5	A-1-b	SM	33.5	47.4	19.2		
						Auger grinding throughout boring								
						Auger refusal @ 2.9'								
B-123	7/11/2011	MM 7.96	8.4	0.0 - 0.1		Asphalt Pavement								
				0.1 - 0.5		Subbase								
				0.5 - 2.8	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist		A-2-4	SM					
						Very difficult drilling 1.0' - 2.0'								
						Auger refusal @ 2.8', believed to be boulder								
B-124	7/11/2011	MM 8.16	5.5	0.0 - 0.3		Asphalt Pavement								
				0.3 - 0.5	Grab	Subbase - f.c. GRAVEL, lit. sand, tr. silt, blk, moist	1.8	A-1-a	GP	79.6	18.1	2.3		
				0.5 - 5.0	Auger	f.m.c. SAND, S. f.c. Gravel, lit. silt, brn, moist	9.3	A-2-4	SM	27.5	55.1	17.4		
						Organics noted at 4.5'								
						Auger grinding 0 - 2', very difficult drilling 2' - 2.5'								
						End of boring @ 5.0'								

NOTE
SEE ROADWAY LAYOUT SHEETS FOR BORE HOLE LOCATIONS.

BORING LOGS SHEET 1

PROJECT NAME: VERSHIRE-THETFORD
PROJECT NUMBER: STP 2911(1)

FILE NAME: p10c224.dgn
PROJECT LEADER: PTS
DESIGNED BY: CHA
IPARM FILE NAME: 10C224_24

PLOT DATE: 1/29/2013
DRAWN BY: CHA
CHECKED BY: CHA
SHEET 24 OF 232