Hancock STP 2923(1)
Client: Vermont Agency of Transportation
Contractor: Platform Environmental Drilling
Driller: C. Aldrich / Inspector: K. Owens

Vermont State Route 125
Pavement Rehabilitation
CHA No. 24148
Auger Probe Log

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT) T	DEPTH (FT) B	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	DRILLING NOTES: (LAT, LONG - Decimal Degrees)
B-101	5/17/2012	0.70	7.5	0.0	0.8		Asphalt Pavement - 6" Top Coat, 6 "Base								
				0.8	2.8	Auger	f.m.c SAND, l. silt, t. f.c. gravel, brn, moist	3.9	A-1-b	48.1	32.9	19.0	NP		
				2.8	5.0	Auger	grades to S. Silt, S. f.c. gravel, becomes d. brn	13.4	A-2-4	26.7	46.6	26.7	NP		
							End of Boring @ 5.0 feet								(-72.9544961783, 43.94041015865)
B-102	5/17/2012	0.90	7	0.0	0.3		Asphalt Pavement								Auger grinding full boring depth.
				0.3	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn/red, moist		A-1-b						
							End of Boring @ 5.0 feet								(-72.9510435025, 43.93916059336)
B-103	5/17/2012	1.10	6	0.0	0.5		Asphalt Pavement								
				0.5	5.0	Auger	f.m.c. SAND, l. silt, t. f.c. gravel, brn, moist		A-1-b						
							End of Boring @ 5.0 feet								(-72.9495290907, 43.936525685646)
B-104	5/17/2012	1.30	8	0.0	0.3		Asphalt Pavement								Drilling resistance dec. at 4.0 ft.
				0.3	4.0	Auger	f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist	3.1	A-1-a	55.8	31.2	13.1	NP		
				4.0	5.0	Auger	f.m.c. SAND and f.c. GRAVEL, l. silt, brn, moist	11.2	A-1-b	43.3	42.8	13.9	NP		
							End of Boring @ 5.0 feet								(-72.9481071688, 43.9339141481)
B-105	5/17/2012	1.50	5	0.0	0.5		Asphalt Pavement								Auger grinding to 3.5 ft.
				0.5	3.5	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				3.5	5.0	Auger	f. SAND, S. Silt, l. brn, moist		A-2-4						
							End of Boring @ 5.0 feet								(-72.9466771484, 43.93133753226)
B-106	5/17/2012	1.70	8	0.0	1.0		Asphalt Pavement - 8" Top Coat, 4" Decomposed Base								Auger grinding to 4.0 ft.
				1.0	4.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				4.0	5.0	Auger	f. SAND, S. Silt, t. m.c. sand, brn, moist to wet		A-2-4						
							End of Boring @ 5.0 feet								(-72.9455540059, 43.92872282338)
B-107	5/17/2012	1.90	5.5	0.0	0.5		Asphalt Pavement								Auger grinding full boring depth.
				0.5	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0 feet								(-72.9431038457, 43.92629286414)
B-108	5/17/2012	2.10	7.5	0.0	0.7		Asphalt Pavement - 4" Top Coat, 4" Decomposed Base								Very difficult drilling to 2.7 ft.
				0.7	2.7	Auger	Subbase - f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist		A-1-a						
				2.7	5.0	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn/gry, moist to wet	14.5	A-2-4	30.6	38.1	31.2	NP		
							End of Boring @ 5.0 feet								(-72.9393742143, 43.92606063797)
B-109	5/17/2012	2.30	6.5	0.0	0.5		Asphalt Pavement - 3" Top Coat, 3" Decomposed Base								Auger grinding full boring depth.
				0.5	4.0	Auger	f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist	5.5	A-1-b	52.5	32.6	14.9	NP		
				4.0	5.0	Auger	f.m.c. SAND, l. f.c. gravel, l. silt, brn, moist		A-1-b						Cobbles visible in boring sidewall.
							End of Boring @ 5.0'								(-72.9354519808, 43.92540301008)
B-110	5/17/2012	2.50	8.5	0.0	0.7		Asphalt Pavement								
				0.7	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.9317128506, 43.92619682529)
B-111	5/16/2012	2.70	6	0.0	0.7		Asphalt Pavement - Zones of decomposed material								Cobbles visible in boring sidewall.
				0.7	2.1	Auger	Subbase -f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				2.1	5.0	Auger	f.m.c. SAND, l. silt, t. f.c. gravel, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.9279256861, 43.92688940142)
B-112	5/16/2012	2.90	8	0.0	0.6		Asphalt Pavement - 5" Top Coat, 2" Decomposed Base								Auger grinding full boring depth.
				0.6	5.0	Auger	f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist	3.9	A-1-a	56.0	31.1	12.9	NP		
							End of Boring @ 5.0'								(-72.9238501793, 43.92693880038)
B-113	5/16/2012	3.30	7	0.0	0.8		Asphalt Pavement								
				0.8	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.9199919699, 43.92747209332)
B-114A	5/16/2012	3.30	5	0.0	0.7		Asphalt Pavement								Offset from B-114 due to refusal at
				0.7	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						1.8 ft, probable cobble or boulder.
							End of Boring @ 5.0'								(-72.9158435841, 43.92711544174)
B-115	5/16/2012	3.50	6	0.0	0.7		Asphalt Pavement								Advanced in area of recent
				0.7	2.0	Auger	f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist	1.8	A-1-a	59.2	28.2	12.6	NP		pavement repair.
															Auger grinding full boring depth.
							Auger refusal @ 2.0'								(-72.9120467302, 43.92720333166)
B-116	5/16/2012	3.70	5	0.0	0.8		Asphalt Pavement - 8" Top Coat, 2" Decomposed Base								Advanced in area of recent
				0.8	3.5	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						pavement repair.
				3.5	5.0		becomes l. brn/gry		A-1-b						
															Auger grinding full boring depth.
							End of Boring @ 5.0'								(-72.9081180708, 43.92743958601)

BORING NO.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT) T	DEPTH (FT) B	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOISTURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS.	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT	DRILLING NOTES: (LAT, LONG - Decimal Degrees)
B-117	5/16/2012	3.90	5	0.0	0.3		Asphalt Pavement - 2" Top Coat, 2" Decomposed Base								Drilling resistance dec. at 4.0 ft.
				0.3	4.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				4.0	5.0	Auger	f.m. SAND, S. Silt, t. c. sand, t. f.c. gravel, brn, moist		A-2-4						
							End of Boring @ 5.0'								(-72.9040483239, 43.92773387061)
B-118	5/16/2012	4.10	6	0.0	0.6		Asphalt Pavement - 4" Top Coat, 3" Decomposed Base								
				0.6	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.9003010191, 43.92872780395)
B-119	5/16/2012	4.30	6	0.0	0.8		Asphalt Pavement - zones of weathered material								Very soft drilling cond. at 4.0 ft.
				0.8	4.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist	6.0	A-1-b	32.9	47.3	19.8	NP		
				4.0	5.0	Auger	f.m.c. SAND, S. Silt, t. f.c. gravel, blk, moist to wet	27.1	A-2-4	5.3	66.7	28.0	NP		
							End of Boring @ 5.0'								(-72.896309176, 43.92930553265)
B-120	5/16/2012	4.50	6	0.0	0.6		Asphalt Pavement - 4" Top Coat, 3" Decomposed Base								Cobbles visible in boring sidewall.
				0.6	2.1	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				2.1	5.0	Auger	f.m.c. SAND, S. Silt, t. f.c. gravel, brn, moist to wet		A-2-4						
							End of Boring @ 5.0'								(-72.8922494861, 43.92889886463)
B-121	5/16/2012	4.70	6	0.0	0.8		Asphalt Pavement - 5" Top Coat, 4.5" Decomposed Base								Drilling resistance dec. at 4.0 ft.
				0.8	4.0	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist	12.7	A-2-b	27.3	52.6	20.1	NP		
				4.0	5.0	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist	9.5	A-1-b	34.4	42.2	23.4	NP		
							End of Boring @ 5.0'								(-72.8885614266, 43.92815401996)
B-122	5/16/2012	4.90	5.5	0.0	0.5		Asphalt Pavement - 3" Top Coat, 3" Decomposed Base								
				0.5	2.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				2.0	5.0	Auger	grades to t. f.c. gravel		A-1-b						
							End of Boring @ 5.0'								(-72.8844901318, 43.92784549829)
B-123	5/16/2012	5.10	6	0.0	0.8		Asphalt Pavement								Augers grinding full boring depth.
				0.8	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.8804694471, 43.92749217421)
B-124	5/16/2012	5.30	6	0.0	0.7		Asphalt Pavement - 6" Top Coat, 2" Decomposed Base								Hard drilling at 3.5 ft to 5.0 ft.
				0.7	5.0	Auger	f.m.c. SAND, S. Silt, S. f.c. Gravel, brn, moist	8.6	A-2-4	24.5	49.1	26.4	NP		
							End of Boring @ 5.0'								(-72.8765883399, 43.92666999286)
B-125	5/16/2012	5.50	5	0.0	0.5		Asphalt Pavement - 3" Top Coat, 3" Decomposed Base								Hard drilling 3.0 ft to 5.0 ft.
				0.5	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.8726936947, 43.92675295997)
B-126	5/16/2012	5.70	6	0.0	0.4		Asphalt Pavement - 3" Top Coat, 2" Decomposed Base								Augers grinding full boring depth.
				0.4	1.4	Auger	Subbase - f.c. GRAVEL and. f.m.c. SAND, l. silt, d. brn, moist	2.9	A-1-a	49.6	38.9	11.5	NP		
				1.4	5.0	Auger	f.m.c. SAND and f.c. GRAVEL, S. Silt, d. brn, moist	5.6	A-1-b	39.9	41.8	18.2	NP		
							End of Boring @ 5.0'								(-72.8687259383, 43.92676173518)
B-127	5/16/2012	5.90	6	0.0	0.5		Asphalt Pavement - 2" Top Coat, 4" Decomposed Base								Hard drilling 2.5 ft to 4.2 ft,
				0.5	1.3		Subbase								probable boulder or cobble.
				1.3	4.2	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							Auger Refusal @ 4.2'								(-72.8646894147, 43.92624126417)
B-128	5/16/2012	6.10	6.5	0.0	1.2		Asphalt Pavement								Water observed at 1.8 ft.
				1.2	1.8	Auger	Subbase - f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
				1.8	5.0	Auger	becomes wet		A-1-b						
							End of Boring @ 5.0'								(-72.8610481891, 43.92521703576)
B-129	5/16/2012	6.30	4.5	0.0	0.4		Asphalt Pavement - 2" Top Coat, 3" Decomposed Base								Auger grinding to 3.0 ft.
				0.4	3.0	Auger	f.c. GRAVEL and f.m.c. SAND, l. silt brn, moist	4.6	A-1-b	47.6	38.7	13.7	NP		
				3.0	5.0	Auger	grades to S. f.m.c. Sand, S. silt	7.5	A-1-b	45.1	34.1	20.7	NP		
							End of Boring @ 5.0'								(-72.8570993887, 43.92504053726)
B-130	5/16/2012	6.50	5	0.0	0.5		Asphalt Pavement - 4" Top Coat, 2" Decomposed Base								Auger grinding full boring depth.
				0.5	5.0	Auger	f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						
							End of Boring @ 5.0'								(-72.854058995, 43.92670381639)
B-131	5/16/2012	6.70	6	0.0	0.5		Asphalt Pavement - 3" Top Coat, 3" Decomposed Base								Auger grinding to 2.5 ft, easy
				0.5	2.5	Auger	Subbase - f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist		A-1-a						drilling 2.5 ft to 5.0 ft.
				2.5	5.0	Auger	f.m.c. SAND, l. silt, t. f.c. gravel, brn, gry, moist		A-1-b						
							End of Boring @ 5.0'								(-72.8504465626, 43.92798988524)
B-132	5/16/2012	6.90	5.5	0.0	0.8		Asphalt Pavement								
				0.8	3.0	Auger	f.c. GRAVEL and f.m.c. SAND, S. Silt, l. brn, moist	4.4	A-1-b	44.4	37.2	18.4	NP		
				3.0	5.0	Auger	f.m.c. SAND, S. Silt, l. f.c. gravel, bry/gry/orng, moist	9.9	A-2-4	21.1	45.7	33.1	NP		
							End of Boring @ 5.0'								(-72.8465832857, 43.9273713952)
B-133	5/16/2012	7.10	6	0.0	1.0		Asphalt Pavement - 3" Top, 1" Base, 6" Sand?, 2" Old Top								Local property owner noted that
				1.0	2.0	Auger	Subbase - f.m.c. SAND, S. f.c. Gravel, l. silt, brn, moist		A-1-b						road has been raised over
				2.0	5.0	Auger	grades to t. f.c. gravel, becomes brn/orng		A-1-b						previous alignment elevation.
															Hard drilling full boring depth.
							End of Boring @ 5.0'								(-72.8427201825, 43.926344065752)
B-134	5/16/2012	7.20	N/A	0.0	0.5		Asphalt Pavement - 3" Top Coat, 3" Decomposed Base								Auger grinding full boring depth.
				0.5	3.0	Auger	Subbase - f.m.c. SAND, t. silt, t. f.c. gravel, brn, moist	12.5	A-2-4	8.0	56.5	35.5	NP		
				3.0	3.8	Auger	f.c. GRAVEL, S. f.m.c. Sand, l. silt, brn, moist	3.2	A-1-b	56.1	29.9	14.0	NP		Cobbles visible in boring sidewall.
							Auger refusal @ 3.8'								(-72.8412153828, 43.92627319455)

NOTE: SEE PROJECT LAYOUT SHEETS FOR THE LOCATION OF BORE HOLES

PROJECT NAME: HANCOCK
PROJECT NUMBER: STP 2923(1)

FILE NAME: z10c252borings.dgn
PROJECT LEADER: C. LATHROP
DESIGNED BY: B.MARTIN
BORING LOG SHEET 2

PLOT DATE: 3/18/2015
DRAWN BY: J. GOODALL
CHECKED BY: C. LATHROP
SHEET 16 OF 207