



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-101
 SHEET 1 of 1
 DATE STARTED: 8/05/09
 DATE COMPLETED: 8/05/09

PROJECT NAME: BRATTLEBORO
 SITE NAME: MAST ARM SUPPORT
 STATION: A 17+93
 OFFSET: 20.00
 VTSPG NAD83: N 128741.31 ft E 1624742.79 ft

PROJECT NUMBER: STP 2000(24)
 SITE NUMBER: US-5
 GROUND ELEVATION: 286.11 ft
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 08D044

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTVIC

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt Pavement, 0.0 ft - 0.6 ft					
		Concrete, 0.6 ft - 1.6 ft					
5		A-1-b, GrSa, brn, Moist, Rec. = 1.5 ft	10	3.5	22.8	69.7	7.5
		A-1-b, GrSa, brn, Moist, Rec. = 1.6 ft	24	2.9	35.3	58.4	6.3
		A-1-a, SaGr, brn, Moist, Rec. = 1.1 ft, Various types of broken rock were within sample.	38	2.5	53.8	39.4	6.8
10		Hole stopped @ 8.0 ft					
15		DRILLER'S NOTES: 1. Drilled to ledge or boulder.					
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LOG OF BORING BRATTLEBORO STP2000(24).GPJ VT AOT.GDT 8/20/09



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BORING NUMBER: B-102
 SHEET 1 of 1
 DATE STARTED: 8/05/09
 DATE COMPLETED: 8/05/09

PROJECT NAME: BRATTLEBORO
 SITE NAME: MAST ARM SUPPORT
 STATION: 40+37
 OFFSET: 29.00
 VTSPG NAD83: N 127834.79 ft E 1625042.55 ft

PROJECT NUMBER: STP 2000(24)
 SITE NUMBER: US-5
 GROUND ELEVATION: 253.02 ft
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 08D044

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTVIC

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt Pavement, 0.0 ft - 0.4 ft					
		Concrete, 0.4 ft - 1.0 ft	17	6.5	35.9	55.0	9.1
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft					
		A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft, Broken rock was within sample.	15	5.7	50.5	35.7	13.8
5		A-1-b, SiSaGr, brn, Moist, Rec. = 1.5 ft, Broken rock was within sample.	10	10.2	41.4	37.9	20.7
		Hole stopped @ 7.0 ft					
10		DRILLER'S NOTES: 1. Drilled to ledge or boulder.					
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LOG OF BORING BRATTLEBORO STP2000(24).GPI VT AOT.GDT 8/20/09



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BORING NUMBER: B-103
 SHEET 1 of 1
 DATE STARTED: 8/04/09
 DATE COMPLETED: 8/04/09

PROJECT NAME: BRATTLEBORO
 SITE NAME: MAST ARM SUPPORT
 STATION: 40+72
 OFFSET: 31.00
 VTSPG NAD83: N 127848.99 ft E 1625074.44 ft

PROJECT NUMBER: STP 2000(24)
 SITE NUMBER: US-5
 GROUND ELEVATION: 251.75 ft
 GROUNDWATER DEPTH: 10.7 ft 8/04/09
 PROJECT PIN NUMBER: 08D044

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTVIC

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt Pavement, 0.0 ft - 0.4 ft					
	x x x	Concrete, 0.4 ft - 1.0 ft	5	18.9			
	x x x	Visual Classification, Fill Material (gravel, brick, coal, cinders), brn, Moist, Rec. = 1.2 ft					
	x x x	Visual Classification, Fill Material (gravel, brick, cinders), brn, Moist, Rec. = 0.6 ft	5	18.1			
5	~	Visual Classification, Broken Rock (Phyllite), brn, Moist, Rec. = 0.4 ft	5	3.0			
	~	Visual Classification, Broken Rock (Phyllite), gry, Moist, Rec. = 0.6 ft	35	3.3			
10	~	Visual Classification, Broken Rock (Phyllite), gry, MTW, Rec. = 1.2 ft	20	6.2			
		Hole stopped @ 11.0 ft					
		DRILLER'S NOTES: 1. Drilled to ledge or boulder.					
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LOG OF BORING BRATTLEBORO STP2000(24).GPJ VT_AOT.GDT 8/20/09



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BORING NUMBER: B-104
 SHEET 1 of 1
 DATE STARTED: 8/07/09
 DATE COMPLETED: 8/07/09

PROJECT NAME: BRATTLEBORO
 SITE NAME: MAST ARM SUPPORT
 STATION: A 11+15
 OFFSET: 16.00
 VTSPG NAD83: N 128099.43 ft E 1624965.96 ft

PROJECT NUMBER: STP 2000(24)
 SITE NUMBER: US-5
 GROUND ELEVATION: 260.4 ft
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 08D044

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTVIC

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		A-2-4, SiSa, brn, Moist, Rec. = 2.0 ft	9	7.5	2.0	68.4	29.6
		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	5	6.4	2.2	68.7	29.1
		A-2-4, SiGrSa, brn, Moist, Rec. = 0.7 ft	9	6.1	27.5	46.1	26.4
		Hole stopped @ 7.0 ft					
10		DRILLER'S NOTES: 1. Drilled to ledge or boulder.					
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LOG OF BORING BRATTLEBORO STP2000(24).GPI VT AOT.GDT 8/20/09



STATE OF VERMONT
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 SUBSURFACE INFORMATION

BORING NUMBER: B-105
 SHEET 1 of 1
 DATE STARTED: 8/06/09
 DATE COMPLETED: 8/06/09

PROJECT NAME: BRATTLEBORO
 SITE NAME: MAST ARM SUPPORT
 STATION: A 13+62
 OFFSET: 19.00
 VTSPG NAD83: N 128335.87 ft E 1624889.12 ft

PROJECT NUMBER: STP 2000(24)
 SITE NUMBER: US-5
 GROUND ELEVATION: 279.1 ft
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 08D044

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTVIC

BORING RIG: LARGE SKID RIG w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt Pavement, 0.0 ft - 0.8 ft					
		A-1-b, GrSa, brn, Moist, Rec. = 2.0 ft	15	5.7	41.8	47.0	11.2
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	9	5.2	41.6	47.9	10.5
5		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	10	7.6	32.8	58.4	8.8
		Gravelly sand with Broken Rock, brn, Moist, Rec. = 0.6 ft, 7.0 ft - 9.0 ft	10	2.7			
10		A-3, GrSa, brn, Moist, Rec. = 1.4 ft	32	5.6	20.4	71.5	8.1
		Hole stopped @ 11.0 ft					
		DRILLER'S NOTES: 1. Drilled to ledge or boulder.					
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