

Depth Scale (m)	Lithology	USCS	Sample Type and No.	Recovery/Length (cm)	SPT Blows/15 cm	Casing Depth (m)	Rod Length (m)	Energy Ratio (%)	Description	q _u Pocket Pen (kPa)	s _u Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 μm	< 5 μm (%)	< 2 μm (%)	D ₅₀ (mm)	D ₁₀ (mm)	Remarks
0									ASPH: Boring performed through asphalt and subgrade of Tul street											
1	ML	S-A1-1	18/45	1-3-3	4.27	37			FILL: Materials transition from a brown to gray gravelly sand to red silty clay of hard consistency			38	41	13	90					
2	MH/CH	S-A1-2	40/45	3-2-5	5.80	46			CH: Brown, moist, sticky, high plasticity silty clay without visible sand particles. S-A1-4 shows darker tones and some fine to medium sand content		28	39	53	23	94					
3	CH	S-A1-3	31/45	2-3-4	5.80	42				140	50	39	65	35	100	61	36	0.0035	<2μm	
4	CL	S-A1-4	36/45	1-2-2	7.32	57				80	22	37	46	23	87					
5	ML/ML-CL	S-A1-5	40/45	2-2-2	7.32	53			ML: Gray silt with sand. Field description: ML	70	23	29	29	6	74	16	>10%	0.045	0.003	
6	CH	S-A1-6	45/45	1-2-1	8.84	55			ML: Brown, low plasticity silt with fine sand and some red clay points	80	25	44	55	28	92					
7	CL/ML	S-A1-7	39/45	1-1-2	8.84	50			CH: High plasticity gray clay with low sand content (traces). At 5.3 m a thin fine sand seam was identified. Sample A1-7 exhibits some sand seams	75	26	39	47	20	97	31	18	0.012	<2μm	
8	ML	S-A1-8	37/45	6-6-9	10.37	65			ML: Gray sandy silt. Increasing sand content with depth	450		27	30		70	15	10	0.057	0.002	
9	ML	S-A1-9	41/45	6-9-10	11.89	75				275		27	29		58					
9	SP	S-A1-10	41/45	11-20-23	11.89	64			SP: Medium to fine poorly graded gray sand	300		24			5			0.29	0.12	