



Sta. 659+00, CL
Moisture Density Samples
0.3 - 6.0'
Max. Dry Wt. 119.3 lbs/cu.ft.
Optimum Moisture 12.7%
6.0 - 17.0'
Max. Dry Wt. 126.6 lbs/cu.ft.
Optimum Moisture 10.5%
17.0 - 30.0'
Max. Dry Wt. 129.3 lbs/cu.ft.
Optimum Moisture 9.7%

Sta. 669+00, 65' LT.
Moisture Density Samples
0.3 - 11.0'
Max. Dry Wt. 119.3 lbs/cu.ft.
Optimum Moisture 12.7%
11.0 - 28.5'
Max. Dry Wt. 126.6 lbs/cu.ft.
Optimum Moisture 10.5%

Shale, gray, generally siliceous but slightly siliceous in part, firm, jointed in portions of top 10'. Core loss 4%.

Shale, gray, slightly siliceous to siliceous, firm, broken and jointed intermittently from top to 40.5' with clay seams in top third. Core loss 8%.

CORE BORING SOIL TEST DATA

Station & Offset	Depth From-To	% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	% W.C.	SHTL Class.
670+00 CL	5.0-6.0'	9	14	44	24	23	5	17	17	A-4b
	10.0-11.0'	26	6	11	38	19	22	5	16	A-4a
	15.0-16.0'	8	5	12	44	28	21	5	13	A-4a
	20.0-21.0'	12	7	13	41	27	22	6	17	A-4a
	25.0-26.0'	28	11	10	31	20	25	10	16	A-4a
	30.0-31.0'	8	7	18	14	27	20	6	15	A-4a
35.0-36.0'	Visual classification									

CORE BORING SOIL TEST DATA

Station & Offset	Depth From-To	% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	% W.C.	SHTL Class.
663+00 CL	5.0-6.0'	8	2	12	50	28	27	9	18	A-4b
	10.0-11.0'	8	8	13	41	30	29	9	15	A-4a
	15.0-16.0'	8	8	12	42	30	26	9	14	A-4a
	20.0-21.0'	10	11	10	43	26	25	8	12	A-4a
	25.0-26.0'	17	7	15	43	18	13	3	16	A-4a

CORE BORING SOIL TEST DATA

Station & Offset	Depth From-To	% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	% W.C.	SHTL Class.
658+00 CL	5.0-6.0'	16	5	11	39	29	25	8	15	A-4b
	10.0-11.0'	12	6	11	42	29	25	8	14	A-4b
	15.0-16.0'	13	6	11	46	24	22	4	14	A-4b
	20.0-21.0'	11	7	12	42	28	22	8	15	A-4a
	25.0-26.0'	9	6	12	43	30	24	7	13	A-4a
	30.0-31.0'	13	9	11	38	29	25	5	14	A-4a
	35.0-36.0'	16	7	11	35	24	22	7	11	A-4a
	40.0-41.0'	40	15	5	25	15	27	1	3	A-4a

Note: Borings believed to have met refusal on shale bedrock between stations 633+00 and 652+00.

Brownish-gray, silty to siliceous shale very fissile with interbeds of siltstone, jointed.

Covered to top of slope at CL. Shale exposed laterally to both sides of CL up to elevation 780.