

Table 7-17 Summary of Uniaxial Compressive Tests (Frozen Soil)

CENTRAL CONTRACT

Brightwater Conveyance System

Boring No.	Sample Top Depth (ft)	Elevation (ft) ^a	USCS	Sample Type	Test Temperature (°F)	Dry Density (pcf)	Degree of Saturation	Uniaxial Compressive Strength (ksf)	Strain at Failure (%)	Tangent Modulus of Elasticity (ksf)
BALLINGER WAY PORTAL SITE										
P5-04	79.2	326.8	ML	Undisturbed	14	91.1	0.94	113	15.7	8,354
P5-04	79.2	326.8	ML	Undisturbed	(4)	92.4	0.94	163	15.3	14,954
P5-04	80.2	325.8	ML	Undisturbed	(4)	87.4	0.81	163	13.8	9,858
P5-04	93.7	312.3	ML	Undisturbed	14	89.3	0.98	129	18.7	22,723
P5-04	94.7	311.3	ML	Undisturbed	14	87.4	0.88	119	11.4	8,709
P5-04	100.8	305.2	ML	Undisturbed	(4)	83.7	0.86	167	19.3	20,196
P5-04	134.0	272.0	ML	Undisturbed	14	86.8	0.89	121	11.9	13,617
P5-04	135.0	271.0	ML	Undisturbed	(4)	88.0	0.89	171	18.0	11,654
P5-04	144.0	262.0	SM	Undisturbed	(4)	119.2	1.05	148	6.9	16,980
P5-04	145.0	261.0	SM	Undisturbed	(4)	119.2	1.04	194	6.4	14,745
P5-04	154.0	252.0	SM	Undisturbed	14	126.1	0.92	125	6.0	7,122
P5-04	155.0	251.0	SM	Undisturbed	14	122.4	0.76	129	4.1	7,915
P5-04	166.0	240.0	SM	Remolded	(4)	122.4	0.83	194	7.2	12,928
P5-04	174.0	232.0	SM	Undisturbed	14	123.0	0.82	115	4.8	6,412
P5-04	175.0	231.0	SM	Undisturbed	(4)	113.0	0.98	232	8.9	25,689
P5-04	178.0	228.0	SM	Undisturbed	14	124.9	0.85	109	3.9	11,006
P5-04	183.0	223.0	CL	Undisturbed	(4)	104.9	0.96	102	1.6	12,113
P5-04	183.0	223.0	CL	Undisturbed	(4)	105.5	0.96	77	1.1	15,142
P5-04	194.1	211.9	CL	Undisturbed	14	99.3	0.95	155	8.5	12,552
P5-04	195.1	210.9	CL	Undisturbed	(4)	101.1	1.05	138	4.7	14,244
P5-04	200.7	205.3	CL	Undisturbed	14	96.1	0.98	88	7.5	7,247
P5-04	204.1	201.9	CL	Undisturbed	14	94.9	0.93	86	12.5	6,495
P5-04	205.7	200.3	CL	Undisturbed	(4)	91.1	0.91	144	5.3	17,752
P5-04	222.5	183.5	CL	Undisturbed	14	98.6	1.04	81	4.5	6,850

Notes:

a) Vertical datum = Metro. All locations surveyed to +/- 0.1 foot accuracy with the exception of some off alignment borings (noted as scaled on the log) which were estimated.