

Table 7-19 Summary of Triaxial 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)	Cell Pressure (ksf)	Principal Stress Difference at Failure (ksf)	Cohesion (ksf)	Effective Friction Angle (deg)
BALLINGER WAY PORTAL SITE										
P5-04	118.0	288.0	ML	Undisturbed	14	84.3	0.0	89.8	27.2	28.0
P5-04	123.7	282.3	ML	Undisturbed	14	90.5	20.9	125.3		
P5-04	124.7	281.3	ML	Undisturbed	14	91.8	41.8	152.5		
P5-04	134.0	272.0	ML	Undisturbed	14	91.1	10.4	108.6	27.8	25.0
P5-04	183.0	223.0	CL	Remolded	14	100.5	0.0	87.7		
P5-04	183.0	223.0	CL	Remolded	14	98.0	20.9	106.5		
P5-04	183.0	223.0	CL	Remolded	14	99.9	41.8	148.3		
P5-04	213.7	192.3	CL	Undisturbed	14	95.5	10.4	100.2		

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.