



Marshall Stability Testing-11,920 psi @ 1%

Below are the test results.

Gradation

Sieve size	1"	¾"	½"	3/8"	¼"	#4	#8	#16	#30	#50	#100	#200
% passing	100	94.5	76.0	66.4	54.7	48.5	37.0	32.7	28.8	25.8	22.2	19.4

The soil was blended with Earthbind Stabilizer EBS at 1.0% emulsion concentrate and 6.0% water which was identified as the proper moisture content is the laboratory and 3.0% emulsion concentrate and 3.0% water. The laboratory moisture content was estimated by visual observation during compaction by not having excess fluid being released while compacting (this was because of limited sample received that Proctors could not be run). Samples were compacted at room temperature and cured at 140°F for 48-72 hours. Cured cores were tested for Marshall Strength at 100°F, lbs. load.

Marshall Testing, Lbs. load, average. of 3 cores

Soil sample IAA St. Louis	1.0% EBS with 6.0% water	3.0% EBS with 3.0% water
Load, lbs.	11920	8827
Flow, mm	0.10	0.275