

**BMT-5**  
Rev. 04/18/94

**ACME Consultants**  
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Project No. ABC 123(45)  
County Red Rock  
Division Ninety Ninth  
Date 3/28/01

**ALABAMA DEPARTMENT OF TRANSPORTATION  
SOILS AND BASE COURSE ANALYSIS**

Report of Analysis on Sample of Borrow Material

Specification Section Number ABCDEFGH 1234

Source of Material 123+45 67' Lt Producer ACME, Inc.

Sampled by ACME, Inc. Submitted by ACME, Inc.

Date Sampled 3/19/01 Date Received 3/19/01 Date Tested 3/20/01

<b>Laboratory No.</b>	1	2	3
Marks	None	None	None
Source	B-1	B-1	B-1
Location	5-5.5'	19-19.75'	24-24.5'
Quantity	Small	Small	Small
<b>TOTAL PASSING %</b>			
75 mm Sieve (3")		100.0	
63 mm Sieve (2½")			
50 mm Sieve (2")			
37.5 mm Sieve (1½")		90.9	
25 mm Sieve (1")			
19 mm Sieve (¾")		81.7	
12.5 mm Sieve (½")		73.7	
9.5 mm Sieve (3/8")		66.3	
4.75 mm Sieve (#4)		50.7	
2.36 mm Sieve (#8)		41.5	100.0
2.00 mm Sieve (#10)		37.2	92.6
1.18 mm Sieve (#16)	100.0	31.1	81.1
425 µm Sieve (#40)	99.0	25.8	66.0
300 µm Sieve (#50)	92.0	19.5	44.1
75 µm Sieve (#200)	76.0	18.7	30.9

**Material Passing 2.36 mm**

Clay	41.3	23.4	14.5
Silt	34.7	21.7	16.4
Total Sand	24.0	54.9	69.1
Mat'l. Pass. 425 µm	99.0	62.1	66.0
Mat'l. Pass. 75 µm	76.0	45.1	30.9

**ATTERBERG LIMITS**

Liquid Limit	62	31	37
Plastic Limit	29	22	22
Plasticity Index	33	9	15
Group	A-7-6(27)	A-2-4(0)	A-2-6(1)
Crushed Particle Count	4	5	6
Meets Specifications	Yes	No	Yes

**Remarks** Preliminary - Soil Analysis

Inspector