

# Berlogar Geotechnical Consultants

## ASTM Laboratory Tests Summary Sheets

<b>Project Name:</b> Lab Testing	<b>Project Number:</b> 3064.000
Client: Zanker Road Resources	Date Reported: 04/14/09
Attention: Michael Gross	Date Received: 04/03/09
<b>Sample ID:</b> 3/4" Crushed Concrete	Invoice Number: <b>11664</b>
Material Description:	

### Sieve Analysis ASTM C136 CTM 202

### Resistance Value (R-Value) ASTM D2844 CTM 301

Sieve Size		Percent Passing	Specifications										
US	mm			A	B	C	D						
3"	75.0			Exudation Pressure, psi:									
2-1/2"	63.5			Corrected R-Value:									
2"	50.0			Moisture Content at Test, %:									
1-1/2"	37.5			Dry Density, pcf:									
1"	25.0	<b>100</b>		Expansion Pressure, psf:									
3/4"	19.0	<b>82</b>		<b>R-Value at 300 psi:</b>		<b>Specification:</b>							
1/2"	12.5	<b>2</b>		Expansion Pressure at 300 psi:		psf							
3/8"	9.5	<b>1</b>		<b>Plasticity Index ASTM D4318</b>									
1/4"	6.3			Liquid Limit:		Specification							
#4	4.75	<b>1</b>		Plastic Limit:		Specification							
#8	2.36			<b>Plasticity Index:</b>		Specification							
#10	2.00			<b>-40 Soil Classification:</b>									
#16	1.18			<b>Coarse and Fine Aggregate Quality Tests</b>									
#30	0.600					Specifications							
#40	0.425			Cleanliness Value, CTM 227:									
#50	0.300			Sand Equivalency, ASTM D2217:									
#100	0.150			Coarse Durability Index, ASTM3744:	<b>70</b>								
#200	0.075			Fine Durability Index, ASTM3744:									
<b>Dry Density Moisture Content Relationship</b>				Sodium Soundness ASTM C88, % Loss:									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Test Method</th> <th>Optimum Moisture Content, %:</th> <th>Maximum Dry Density, Pcf:</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>				Test Method	Optimum Moisture Content, %:	Maximum Dry Density, Pcf:				LA Abrasion ASTM C131 500 Revs. % Loss:			
				Test Method	Optimum Moisture Content, %:	Maximum Dry Density, Pcf:							
LA Abrasion ASTM C131 100 Revs. % Loss:													
				LA Abrasion ASTM C131 Grading Used:									
				<b>Specific Gravity ASTM C127, C128</b>		<b>Coarse</b>	<b>Fine</b>						
<b>Relative Compaction of Untreated Soils CTM 216</b>				Bulk Specific Gravity, Oven Dried:									
				Bulk Specific Gravity, Saturated Surface:									
Moisture Content, %	Maximum Wet Density, g/cc:			Apparent Specific Gravity:									
				Absorption, %:									

Comments:

Reported By: Greg Suckow

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