

CMT ENGINEERING **LABORATORIES**

Geotechnical • Materials Testing • Special Inspections • Chemical Analysis

Commercial Road-Base Proctor

Material:

1 ½” Recycled Commercial UTBC

Prepared for: Asphalt Materials Inc

Date Prepared: 5/30/2019



Density	Optimum Moisture
126.7	10.4%

June 10, 2019

Asphalt Materials
PO Box 5
West Jordan UT 84084

LABORATORY COMPACTION
CHARACTERISTICS OF SOIL
Test Method: AASHTO T-180

Customer: Asphalt Materials
Project: Asphalt Materials Testing
Lab No.: 759517 Project No.: 6551 Item: N/A Date Tested: May 30, 2019
Location: Stockpile
Source: West Jordan
Description of Material: Commercial Roadbase

Compaction Method: **D**
Oversize Rock Correction: **Y**

Rock Corrected Proctor Test Results

Maximum Dry Density: 126.7
Optimum Moisture: 10.4

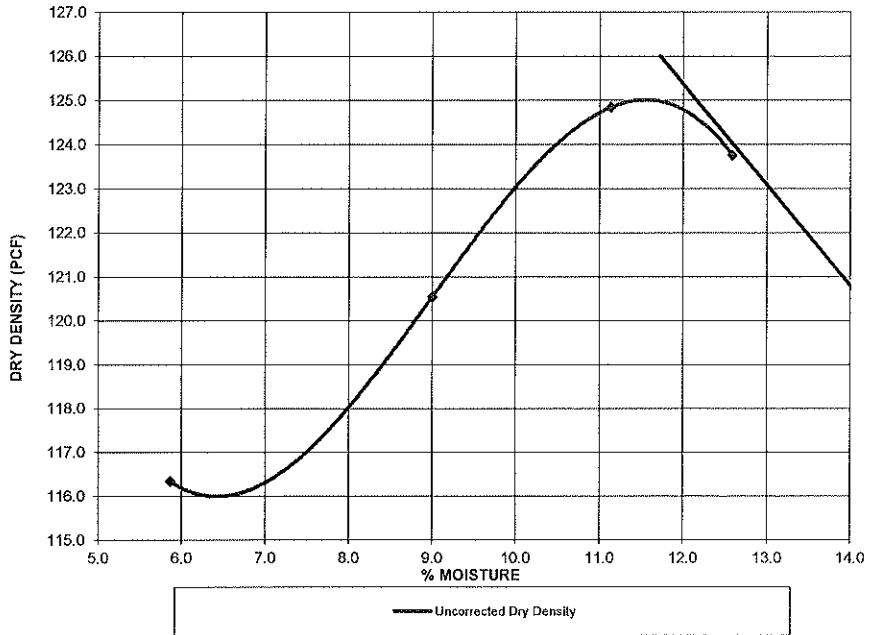
Specific Gravity: 2.300
Specific Gravity Determination: Lab Tested

Gradation Lab No.: 759529

Sieve Analysis:

Sieve	% Retained
+3/4"	10.3
+3/8"	24.9
+ #4	22.1
- #4	42.7
Total:	100.0

Method of Sample Preparation Used: Dry
Type of Compaction Rammer Used: Automatic
Type of Rammer Face: Sector Face



Sue Arnold

Sue Arnold - Laboratory Manager

Tested By: E. Vchar
CMT Technician

June 14, 2019

Asphalt Materials
PO Box 5
West Jordan UT 84084

Project: 6551-Lab Services
Source: West Jordan
Material: Commercial Roadbase
Date: 5-30-2019

Summary of Test Results

Moisture Density AASHTO T-180

Lab # 759517

Maximum Density	=	126.7 pcf	
Optimum Moisture	=	10.4%	

Los Angeles Abrasion AASHTO T-96

Lab #762192

% Wear	=	31%	50% Max.
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Bulk Density and Voids in Aggregates AASHTO T-19

Lab #762190

Density of aggregate	=	104.7 pcf	> 75 pcf
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Fracture Face in Coarse Aggregate AASHTO T-335

Lab # 762191

Two or More	=	94%	50% Min.
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Liquid Limit, Plastic Index AASHTO T-89 / T-90

Lab # 759536

Plastic Index	=	Non-Plastic	Non-Plastic
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California Bearing Ratio AASHTO T-193

Lab # 760151

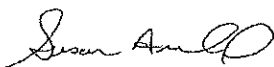
Surcharge = 10 lbs			
CBR Value @ 0.1"	=	211	
CBR Value @ 0.2"	=	233	70% min

Sand Equivalent ASTM D-2419

Lab #762193

Sand Equivalent	=	48	35 min (APWA)
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Sincerely,



Susan Arnold

June 14, 2019
 Asphalt Materials
 PO Box 488
 Spanish Fork , Utah 84660

California Bearing Ratio ASTM D-1883

Job No: 6551

Date Tested: 5/30/2019

Lab No: 760151

Technician: EV

Project: Lab Services

Soil Description: Commercial Roadbase

Proctor Method: T-180 Blows: 56

Location: West Jordan Pit

Visual Soil Classification:

Dry Density: 126.2 PCF

Proctor Values

Moisture Content as compacted: 7.8 %

Maximum Dry Density (pcf): 127.5

Percent Compaction: 99.0 %

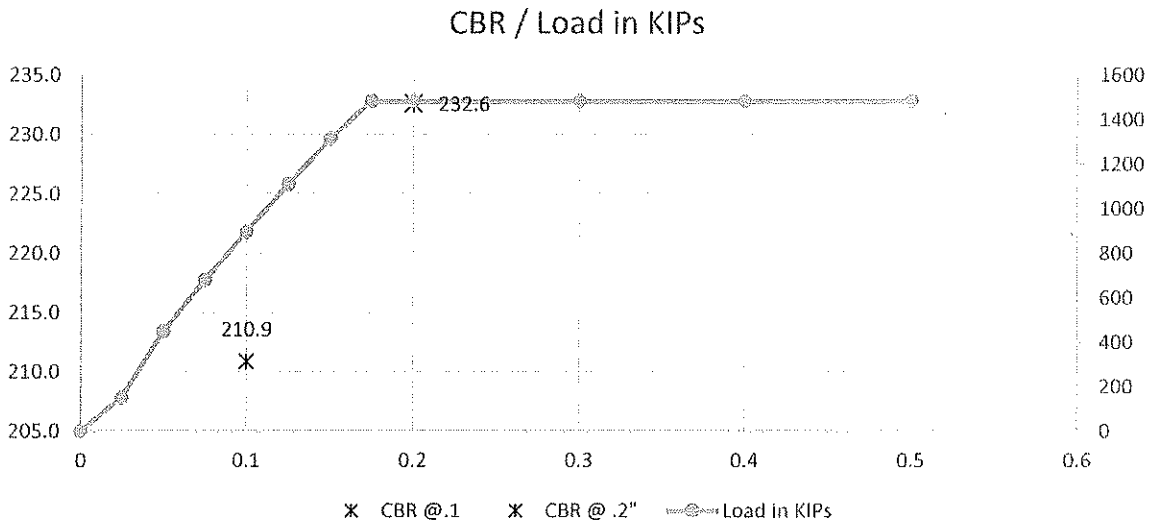
Optimum Moisture (%): 8.5

Surcharge (lbs.): 10 Lbs

Immersion duration: 96 hrs.

CBR Test Results

CBR Value@ 0.1":	211	%	Percent Swell:	0.02%
CBR Value@ 0.2":	233	%		



Susan Auld

Manager

Rev 8-01-18