

CMT ENGINEERING **LABORATORIES**

Geotechnical • Materials Testing • Special Inspections • Chemical Analysis

State Spec Road-Base Proctor

Material:

1 ½” Recycled Concrete State Spec UTBC

Prepared for: Asphalt Materials Inc

Location: West Jordan

Date Prepared: 9/11/2018



Density	Optimum Moisture
123.5	10.3%

CMT ENGINEERING LABORATORIES

Construction • Materials • Technologies
Geotechnical, Environmental, & Materials Engineering/Testing/Research

April 27, 2018

Asphalt Materials
P.O. Box 5
West Jordan, UT 84084

Project: West Jordan Pit #3
Material: 1.5" State Spec Roadbase

TARGET LETTER

<u>Sieve</u>	<u>% Passing</u>	<u>UDOT Specification</u>
1.5"	100	100
1.0"	95	90-100
3/4"	84	70-85
1/2"	71	65-80
3/8"	63	55-75
#4	50	40-65
#16	36	25-40
#200	11.0	7-11

Sincerely



Susan Arnold
Lab Manager

September 17, 2018

Asphalt Materials
PO Box 5
West Jordan UT 84084

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

Customer: Asphalt Materials

Project: Lab Services

Item:

Lab No.: 711180

Project No.: 5648

Date Tested: September 11, 2018

Location: Recycled Concrete

Source: West Jordan

Description of Material: State Spec Roadbase

Compaction Method: D

Rock Corrected Proctor Test Results

Oversize Rock Correction: Y

Maximum Dry Density: 123.5

Optimum Moisture: 10.3

Specific Gravity: 2.321

Specific Gravity Determination: Lab Tested

Gradation Lab No.: 711655

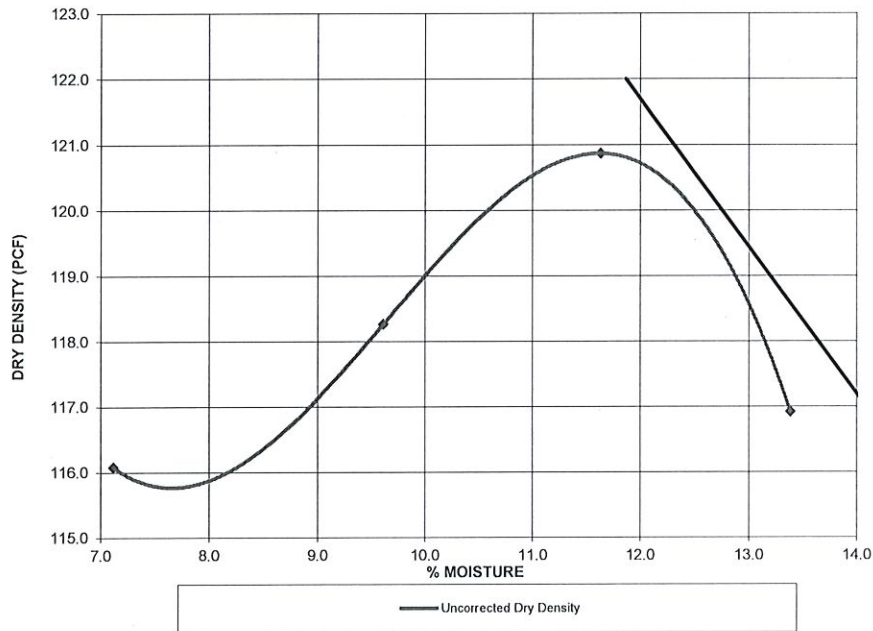
Sieve Analysis:

Sieve	% Retained
+3/4"	12.7
3/8"	25.3
+ #4	15.2
- #4	46.8
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

October 2, 2018

Asphalt Materials
PO Box 5
West Jordan, Utah 84084

Project: Asphalt Materials Testing (#5648)
Source: AMI West Jordan
Material: State Spec Roadbase
Date: 9-11-18

Summary of Test Results

Moisture Density AASHTO T-180

Lab # 711180

Maximum Density	=	123.5 pcf	
Optimum Moisture	=	10.3%	

Los Angeles Abrasion AASHTO T-96

Lab # 685990

% Wear	=	36.7%	50% Max.
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Bulk Density and Voids in Aggregates AASHTO T-19

Lab # 711696

Density of aggregate	=	103.9 pcf	> 75 pcf
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Fracture Face in Coarse Aggregate AASHTO T-335

Lab # 685986

Two or More	=	89.1%	50% Min.
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Liquid Limit, Plastic Index AASHTO T-89 / T-90

Lab # 685965

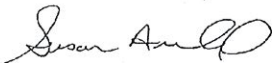
Plastic Index	=	Non-Plastic	
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California Bearing Ratio AASHTO T-193

Lab # 685983

Surcharge = 10 lbs			
CBR Value @ 0.1"	=	67%	
CBR Value @ 0.2"	=	87%	70% min

Sincerely,



Susan Arnold