

CMT ENGINEERING **LABORATORIES**

Geotechnical • Materials Testing • Special Inspections • Chemical Analysis

Bluffdale Pit

Natural Road-Base Proctor

Material: 1 ½” Natural State Spec UTBC

Location: Bluffdale Gravel Pit

Prepared for: Asphalt Materials Inc

Date Prepared: 1/28/2021



Density	Optimum Moisture
133.5	6.0%

January 28, 2021

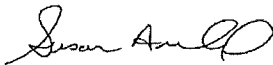
Asphalt Materials
7961 S 1300 W
West Jordan, UT 84084

Summary of Test Results

Project: POM
Material: Natural State Spec. UTBC

<u>Sieve</u>	<u>TARGET LETTER</u>		<u>UDOT Specification</u>
	<u>% Passing</u>		
1.5"	100	100	100
1.0"	95	86-100	90-100
3/4"	85	76-94	70-85
1/2"	73	64-82	65-80
3/8"	65	56-74	55-75
#4	45	38-52	40-65
#16	25	20-30	25-40
#200	10.0	7-13	7-11

Sincerely,



Susan Arnold
Lab Manager

2/2/2021

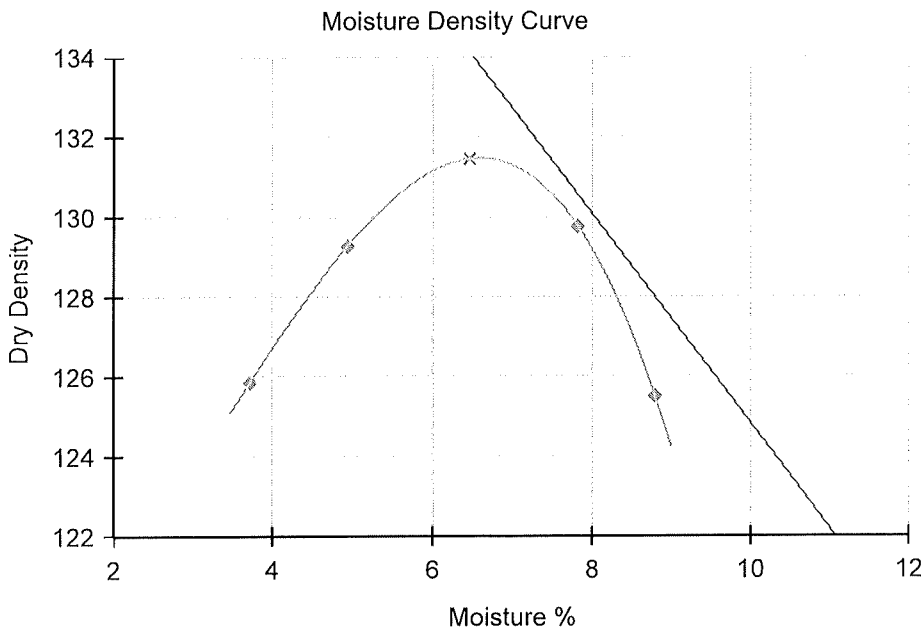
Asphalt Materials
7961 South 1300 West
West Jordan Utah, 84088

LABORATORY COMPACTION CHARACTERISTICS OF SOIL

Project No 006551
Client Reference No
Barcode WVCL1562
Material Criteria UDOT 02721 Untreated Base Course Type I
Material Source POM
Material Description Natural State Spec Road Base
Project Asphalt Materials Laboratory Services POM- 6551
Location Detail

Date Sampled 1/26/2021
Date Tested 1/27/2021
Sampled By Client

Test Standard AASHTO T-180	Method of Sample Preparation Used Dry
Compaction Method D	Type of Compaction Rammer Used Automatic
Rock Correction Yes	Type of Rammer Face Sector Face
Rock Replacement No	Corrected Opt. Moist 6.0
Rock Specific Gravity 2.474	Corrected Max Dry Dens 133.5
Specific Gravity Determination Lab Tested	



Seive Analysis

Seive Size	% Retained
+3/4"	10.3
+3/8"	24.0
#+#4	17.8
%Minus #4	47.9
Total	100.0

Data Pt	Moisture %	Dry Density
1	3.7	125.8
2	4.9	129.3
3	7.8	129.8
4	8.8	125.5

◆ Raw Data Pt × Max Pt — Uncorrected Dry Density - - - Zero Void

Tested By Belinda Torres

Manager Belinda Torres

Test results relate only to the sample tested. This test report shall not reproduced, except in full, without the prior written approval of CMT West Valley Main Office.

Lab Address 2688 S. Redwood Rd. Suite E,F,G,H West Valley City Utah, 84119

System Link <http://cmt.vahalo.com/assignments/EEB70DC1-1870-480A-197C-217D00B09829>

System Path Asphalt Materials Laboratory Services POM- 6551 / SOILS - FIELD AND LAB TESTING / 006551 Proctor 1/27 SC

April 20, 2020

Asphalt Materials
PO Box 5
West Jordan UT 84084

Project: 6551-Lab Services
Source: POM
Material: 1.5" Natural State Spec Roadbase
Date: 1-26-2021

Summary of Test Results

Moisture Density AASHTO T-180

Lab # 877817

Maximum Density	=	133.5 pcf	
Optimum Moisture	=	6.0%	

Los Angeles Abrasion AASHTO T-96

Lab # 877820

% Wear	=	24%	50% Max.
--------	---	-----	----------

Bulk Density and Voids in Aggregates AASHTO T-19

Lab # 877818

Density of aggregate	=	114.0 pcf	> 75 pcf
----------------------	---	-----------	----------

Fracture Face in Coarse Aggregate AASHTO T-335

Lab # 877821

Two or More	=	67.0%	50% Min.
-------------	---	-------	----------

Liquid Limit, Plastic Index AASHTO T-89 / T-90

Lab # 877822

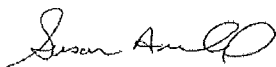
Plastic Index	=	Non-Plastic	Non-Plastic
---------------	---	-------------	-------------

California Bearing Ratio AASHTO T-193

Lab # 87823

Surcharge	=	10 lbs.	
CBR Value @ 0.1"	=	178.0%	
CBR Value @ 0.2"	=	188.0%	70% min

Sincerely,



Susan Arnold