



Report of Physical Properties and Aggregate Target Submittal

Submittal Date: January 1, 2020

Job Name:

Product Code: 21-05014 - 3/4" x #4 (#67) Washed Rock

Job Number:

Pit Code: 020611 - Valley

Sieve Analysis				
ASTM C136		AASHTO T27		
Sieve Size	Target % Passing	Spec. LL	Spec. UL	
300 mm 12"				
250 mm 10"				
225 mm 9"				
200 mm 8"				
150 mm 6"				
125 mm 5"				
100 mm 4"				
75 mm 3"				
63.0 mm 2-1/2"				
50.0 mm 2"				
37.5 mm 1-1/2"				
25.0 mm 1"	100	100	100	
19.0 mm 3/4"	90	90	100	
12.5 mm 1/2"	53			
9.5 mm 3/8"	29	20	55	
6.3 mm 1/4"				
4.75 mm No. 4	4	0	10	
2.36 mm No. 8	1			
2.00 mm No. 10				
1.18 mm No.16	1			
0.600 mm No. 30	1			
0.425 mm No. 40				
0.300 mm No. 50	1			
0.180 mm No. 80				
0.150 mm No. 100	1			
0.075 mm No. 200	0.46	0	1	
ASTM C 1260				
Alkali Reactivity				
ASTM C 227				
Alkali Reactivity	0.9			
ASTM C136/AASHTO T27				
Fineness Modulus (FM)=	6.74			
AASHTO M145				
Classification of Soils =				
ASTM D4791				
Flat & Elongated, %=	0.0			

Test Results			
Standard	Physical Properties	Result	Test Spec.
ASTM C29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. =	104.5
		Voids%= <input type="checkbox"/> Loose <input checked="" type="checkbox"/> Rodded	33.4
ASTM D1557 AASHTO T180	Modified Proctor	Max Density, lbs./cu.ft.=	
		Optimum Moisture %=	
ASTM D698 AASHTO T99	Standard Proctor	Max Density, lbs./cu.ft.=	
		Optimum Moisture %=	
ASTM C1883 AASHTO T193	CBR	Surcharge = 10Lbs CBR@0.1"=	
		Swell%=0.0% CBR @0.2"=	
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse loss % =	22.0%
		Grading/Revolutions =	B 500
ASTM C131 AASHTO T96	L.A. Abrasion	Large Coarse loss % =	
		Grading/Revolutions =	
ASTM C88 AASHTO T104	Soundness	Coarse Soundness loss, % =	0.6%
		Magnesium No. of Cycles	5
ASTM C88 AASHTO T104	Soundness	Fine Soundness loss, % =	
		Magnesium No. of Cycles	
ASTM D4318 AASHTO T89/90	Liquid limit Plastic limit Plasticity Index	Liquid Limit =	
		Plastic limit =	
		Plasticity Index =	
ASTM C142 AASHTO T112	Clay lumps / Friable Particles	Coarse Aggregate, % =	0.0
		Fine Aggregate, % =	
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % =	>Plate 1
		Fine Aggregate, % =	
ASTM D2419 AASHTO T176	Sand Equivalency	Sand Equivalant % =	
ASTM C1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % =	
ASTM D5821 TP - 61	Fractured Face	% Fracture 1 Face=	82.9
		% Fracture 2 Face	58.9
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % =	0.0
		Fine Aggregate, % =	
ASTM C 128 AASHTO T84	Fine Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	
		Bulk Specific Gravity (SSD) =	
		Apparent Specific Gravity =	
		Absorption % =	
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	2.516
		Bulk Specific Gravity (SSD) =	2.554
		Apparent Specific Gravity =	2.618
		Absorption % =	1.6

ASTM D2487	Soil Classification	Group Symbol =	
		Group Name =	
ASTM D2488	Soil description & Identification	Group Symbol =	
		Group Name =	