



**SOIL/AGGREGATE SUMMARY SHEET**

SAMPLE ID: 89893

**PROJECT INFORMATION**

PROJECT NAME:	Henderson Pit		
SAMPLE LOCATION:	Stockpile		
DATE SAMPLED:	1/15/2019	N&M PROJECT NUMBER:	501626001
DATE TESTED:	1/16/2019	SAMPLED BY:	DRC
MATERIAL TYPE:	Class 6 Asphalt Road Base	TESTED BY:	MTJ
SPECIFICATION:	CDOT 2017 MATERIALS SPECIFICATIONS		

MECHANICAL SIEVE ANALYSIS		METHOD		RESULTS	SPEC	PASS FAIL
		ASTM C 136				
US STD	METRIC					
2"	76			100	-	-
1 1/2"	50			100	-	-
1"	25			100	100	PASS
3/4"	19			100	95-100	PASS
1/2"	12.5			88	-	-
3/8"	9.5			78	-	-
NO. 4	4.75			59	30-65	PASS
NO. 8	2.36			44	25-55	PASS
NO.10	2.00			41	-	-
NO.16	1.18			32	-	-
NO. 30	0.6			20	-	-
NO. 40	0.425			16	-	-
NO. 50	0.3			13	-	-
NO. 100	0.15			9.4	-	-
NO. 200	0.075			8.2	3-12	PASS

\*INDICATES OUT OF TOLERANCE

SOIL CLASSIFICATION		METHOD	
USCS	SW-SC	ASTM D 2487	
AASHTO	-	AASHTO M 145	

MOISTURE DENSITY RELATIONSHIP		
TEST METHOD	ASTM D 698	ASTM D 1557
MAXIMUM DRY DENSITY	125	NT
OPTIMUM MOISTURE	8	NT
ROCK RETAINED	0.0	NT
METHOD	A	B <input type="checkbox"/> C <input checked="" type="checkbox"/>

REMARKS:	
NT = Not Tested	

Atterberg Limits		METHOD OR SPEC	
Liquid Limit	24	4318, CDOT	PASS/FAIL
Plastic Limit	18	-	-
Plastic Index	6	Less than 6	PASS

SPECIFIC GRAVITY AND ABSORPTION			ASTM C 127/ASTM C 128		
	COARSE	SPEC	FINE	SPEC	PASS/FAIL
BULK SP. GR.	NT	-	NT	-	-
SSD SP. GR.	NT	-	NT	-	-
APP. SP. GR.	NT	-	NT	-	-
% ABSORP.	NT	-	NT	-	-

R-Value		ASTM D 2844	
Uncorrected Value	83	-	-
Corrected Value	83	-	-

FINENESS MODULUS		ASTM C 125	
Fineness Modulus	NT	-	-

Clay Lumps & Friable Particles		ASTM C 142	
Clay Lumps & Friable Particles	NT	-	-

LA ABRASION		ASTM C 131 / C 535	
GRADING SPEC			
% LOSS @ 1000 REV	NT	-	-
% LOSS @ 500 REV	NT	-	-

SODIUM SULPHATE SOUNDNESS			ASTM C 88	
	COARSE	SPEC	FINE	SPEC
% LOSS	NT	-	NT	-

REVIEWED BY:		
	Mike Mowen, PE	REPORT DATE:
	Sr. Project Engineer	1/23/2019