

I. GEOLOGICAL FORMATION: ARVONIA SLATE  
 II. CHEMICAL ANALYSIS (May 2021) :

Silica	as SiO <sub>2</sub>	60.2%	Calcium	as CaO	1.2%
Iron	as Fe <sub>2</sub> O <sub>3</sub>	7.2%	Magnesium	as MgO	2.7%
Aluminum	as Al <sub>2</sub> O <sub>3</sub>	17.5%	Sulphur	as S	0.1%

III. QUALITY DATA:			Product								
TEST	TEST DATE		2	357	5L	VDOT 57	57L	VDOT 8	8L	9	A SAND
<b>* SPECIFIC GRAVITY *</b>											
BULK (ASPHALT)	4/2021		2.780	2.765	2.775	2.769	2.768	2.763	2.772	2.737	2.722
BULK - SSD (CONCRETE)	4/2021		2.785	2.778	2.784	2.780	2.778	2.783	2.790	2.763	2.749
APPARENT	4/2021		2.794	2.802	2.798	2.799	2.796	2.820	2.823	2.811	2.783
% ABSORPTION	4/2021		0.2%	0.5%	0.4%	0.4%	0.4%	0.7%	0.7%	1.1%	1.1%
<b>* UNIT WEIGHT *</b>											
DRY RODDED (LBS/CUBIC FT)	4/2021		96.2	98.1	98.1	97.7	95.4	94.9	92.1	90.1	100.1
DRY RODDED (LBS/CUBIC YARD)	4/2021		2597.4	2648.7	2648.7	2637.9	2575.8	2562.3	2486.7	2432.7	2702.7
DRY RODDED ( % VOIDS )	4/2021		44.5%	43.1%	43.4%	43.5%	44.8%	45.0%	46.8%	47.0%	41.4%
DRY RODDED (Kg/Cubic Meter)	4/2021		1541	1571	1571	1565	1528	1520	1475	1443	1603
VTM-5 % VOIDS IN STONE SAND	4/2021										56.5%
ASTM C1252 % VOIDS (METH B)	4/2021										55.3%
ASTM C1252 % VOIDS (METH C)	4/2021										49.0%
ASTM D4791 % F & E (3:1)	4/2021					50.2%		62.0%			
<b>* LOS ANGELES DEGRADATION *</b>											
GRADING A % LOSS	4/2021	20.1%									
GRADING B % LOSS	4/2021	20.6%									
GRADING C % LOSS	4/2021	20.2%									
SOUNDNESS % LOSS (Magnesium Sulfate)	4/2021		0.3%	0.7%	0.3%	1.3%	1.1%	0.5%	0.6%	3.7%	6.9%
SOUNDNESS % LOSS (Sodium Sulfate)											
<b>* Surface Treatment Rate of Application *</b>											
Stone (lb/sq yd)											
Emulsion (gal/sq yd)											
<b>* SUPERPAVE *</b>											
ASTM C1252 % VOIDS (METH A)	4/2021										50.7%
AASHTO T 176 SAND EQUIVALENT	4/2021										95
ASTM D4791 % F & E (5:1)	4/2021					13.5%		20.0%			