

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>J.H. LYNCH</u>	Lab No:	<u>20230006</u>
Source:	<u>FIRST ST. QUARRY</u>	Location:	<u>CUMBERLAND, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	99.4	21.6	7.0	4.1	3.4
CA Size:1/2	100.0	100.0	100.0	100.0	84.0	19.4	1.6	1.3
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	96.4	23.7	1.8
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			93.10	92.99	97.18
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96
Run # 1	LA Type	LA Result
1	B	11.98

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.766	2.874	2.742		
Specific Gravity (SSD):		2.808	2.892	2.761		
Apparent Specific Gravity:		2.886	2.929	2.795		
Absorption:		1.502	0.654	0.681		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>PJ KEATING</u>	Lab No:	<u>20230009</u>
Source:	<u>PHENIX AVENUE QUARRY</u>	Location:	<u>CRANSTON, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	97.0	29.5	10.1	4.9	4.0
CA Size:1/2	100.0	100.0	100.0	100.0	86.9	16.8	4.8	3.8
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	97.0	36.4	7.3
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			100.64	96.27	95.44
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run # 1	LA Type	LA Result	
1	B	18.49	

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.691	2.689	2.751		
Specific Gravity (SSD):		2.710	2.705	2.766		
Apparent Specific Gravity:		2.744	2.733	2.792		
Absorption:		0.715	0.594	0.533		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>MATERIALS S and S</u>	Lab No:	<u>20230012</u>
Source:	<u>POUND HILL RD. QUARRY</u>	Location:	<u>N. SMITHFIELD, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	67.7	9.7	2.4	1.2	0.9
CA Size:1/2	100.0	100.0	100.0	100.0	91.5	21.7	1.3	1.0
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	96.4	23.5	5.1
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			92.40	89.26	91.25
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96
Run # 1	LA Type	LA Result
1	B	27.38

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.564	2.593	2.611		
Specific Gravity (SSD):		2.600	2.615	2.625		
Apparent Specific Gravity:		2.661	2.650	2.649		
Absorption:		1.433	0.823	0.552		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>LYNCH - TIVERTON</u>	Lab No:	<u>20230017</u>
Source:	<u>FISH ROAD QUARRY</u>	Location:	<u>TIVERTON, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	83.9	17.0	5.3	2.7	2.1
CA Size:1/2	100.0	100.0	100.0	100.0	93.2	28.1	4.5	2.8
CA Size:3/8	100.0	100.0	100.0	100.0	99.8	93.2	16.0	3.0
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			94.56	92.89	90.89
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run # 1	LA Type	LA Result	
1	B	39.15	

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.560	2.597	2.602		
Specific Gravity (SSD):		2.598	2.619	2.623		
Apparent Specific Gravity:		2.661	2.657	2.657		
Absorption:		1.480	0.876	0.791		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>RAWSON S and G</u>	Lab No:	<u>20230020</u>
Source:	<u>CHASE PIT</u>	Location:	<u>PUTNAM, CT</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	98.5	53.4	21.2	5.4	4.0
CA Size:1/2	100.0	100.0	100.0	81.3	25.0	6.7	6.0	4.8
CA Size:3/8	100.0	100.0	100.0	100.0	99.9	87.3	23.4	5.2
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			99.70	97.67	94.71
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run # 1	LA Type	LA Result	
B			

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.624	2.612	2.658		
Specific Gravity (SSD):		2.667	2.649	2.687		
Apparent Specific Gravity:		2.743	2.712	2.738		
Absorption:		1.652	1.411	1.096		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>BROX IND. - DRACUT</u>	Lab No:	<u>20230024</u>
Source:	<u>DRACUT QUARRY</u>	Location:	<u>DRACUT, MA</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size: 3/4	100.0	100.0	100.0	100.0	89.4	22.8	1.0	0.8
CA Size:								
CA Size:								
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96
Run # 1	LA Type	LA Result
	<u>B</u>	<u>24.20</u>

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:			2.938			
Specific Gravity (SSD):			2.960			
Apparent Specific Gravity:			3.006			
Absorption:			0.770			

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor: <u>CHERENZIA</u>	Lab No: <u>20230029</u>
Source: <u>OLD HOPKINTON RD.</u>	Location: <u>WESTERLY, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	98.3	13.2	2.8	1.6	1.5
CA Size:1/2	100.0	100.0	100.0	100.0	75.1	11.6	1.8	1.5
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	89.9	8.6	2.8
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			88.35	88.27	89.55
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96
Run # 1	LA Type	LA Result
1	B	32.05

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.573	2.601	2.601		
Specific Gravity (SSD):		2.605	2.622	2.622		
Apparent Specific Gravity:		2.658	2.657	2.656		
Absorption:		1.249	0.812	0.783		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor: <u>TILCON - WALLINGFORD</u>	Lab No: <u>20230035</u>
Source: <u>WALLINGFORD QUARRY</u>	Location: <u>WALLINGFORD, CT</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size: Blend	100.0	100.0	100.0	99.8	61.3	19.1	2.4	1.2
CA Size:								
CA Size:								
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run #	LA Type	LA Result	
1	B		

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:			2.867			
Specific Gravity (SSD):			2.900			
Apparent Specific Gravity:			2.963			
Absorption:			1.132			

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>P.A. LANDERS</u>	Lab No:	<u>20230047</u>
Source:	<u>PLYMOUTH QUARRY</u>	Location:	<u>HANOVER, MA</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27							
% Passing		2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4		100.0	100.0	100.0	92.1	31.5	8.5	1.6	1.1
CA Size:3/8		100.0	100.0	100.0	100.0	99.7	92.6	6.0	2.7
CA Size:									
CA Size:									

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			92.60		93.96
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
	LA Type	LA Result	
Run # 1	<u>B</u>	<u>15.31</u>	

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.616	2.625	2.611		
Specific Gravity (SSD):		2.662	2.641	2.633		
Apparent Specific Gravity:		2.741	2.667	2.669		
Absorption:		1.749	0.595	0.832		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>G. LOPES</u>	Lab No:	<u>20230049</u>
Source:	<u>MIDDLEBORO PIT</u>	Location:	<u>MIDDLEBORO, MA.</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size: 3/4	100.0	100.0	99.5	79.4	10.6	1.9	1.1	1.0
CA Size:								
CA Size:								
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			92.97		93.66
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run # 1	LA Type	LA Result	
	<u>B</u>	<u>18.44</u>	

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.731	2.734	2.723		
Specific Gravity (SSD):		2.765	2.755	2.744		
Apparent Specific Gravity:		2.828	2.791	2.781		
Absorption:		1.262	0.748	0.769		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor: <u>CARDI CORP.</u>	Lab No: <u>20230066</u>
Source: <u>Hopkins Hill</u>	Location: <u>West Greenwich, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	97.4	13.1	5.0	3.6	1.4
CA Size:1/2	100.0	100.0	100.0	100.0	78.7	21.6	4.8	3.6
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	90.7	22.1	7.6
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			96.03	94.92	101.65
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96
Run # 1	LA Type	LA Result
1	B	34.90

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.562	2.599	2.605		
Specific Gravity (SSD):		2.599	2.623	2.624		
Apparent Specific Gravity:		2.661	2.662	2.656		
Absorption:		1.442	0.906	0.741		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>CUMBERLAND QUARRY .</u>	Lab No:	<u>20230068</u>
Source:	<u>MANVILLE HILL ROAD</u>	Location:	<u>CUMBERLAND, RI</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size:3/4	100.0	100.0	100.0	99.3	59.1	25.1	6.9	4.3
CA Size:1/2	100.0	100.0	100.0	100.0	84.0	28.8	3.8	2.5
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	100.0	60.3	5.8
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)			100.39	97.61	87.09
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run # 1	LA Type	LA Result	
	<u>B</u>	<u>-25.68</u>	

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.626	2.741	2.760		
Specific Gravity (SSD):		2.691	2.765	2.781		
Apparent Specific Gravity:		2.810	2.807	2.818		
Absorption:		2.486	0.857	0.750		

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2023**

Vendor:	<u>Continental Paving</u>	Lab No:	<u>20230069</u>
Source:	<u>Hanover, NH</u>	Location:	<u>NH</u>

Sieve Analysis of Coarse Aggregate		AASHTO T-27						
% Passing	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8
CA Size: 3/4	100.0	100.0	100.0	100.0	92.5	38.7	3.5	1.8
CA Size:								
CA Size:								
CA Size:								

Unit Weight and Void in Aggregate		AASHTO T-19				
Compacted	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					
Loose	Nominal Aggregate Size:	1 1/2"	1"	3/4"	1/2"	3/8"
	Unit Weight: (lbs./cu. ft.)					

Resistance to Abrasion of CA by use of the LA Machine		AASHTO T-96	
Run #	LA Type	LA Result	
1	B		

Specific Gravity and Absorption of Coarse Aggregate		AASHTO T-85				
Nominal Aggregate Size:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:			2.686			
Specific Gravity (SSD):			2.710			
Apparent Specific Gravity:			2.752			
Absorption:			0.890			

Soundness of Aggregate by Use of Sodium Sulfate		AASHTO T-104					
Sieve Size:	2" - 1 1/2"	1 1/2" - 1"	1" - 3/4"	3/4" - 1/2"	1/2" - 3/8"	3/8" - # 4	# 4 - # 8
% Loss:							

Amount of Material Finer than # 200 Sieve in Aggregate		AASHTO T-11				
Aggregate Bin Size	1 1/2"	1"	3/4"	1/2"	3/8"	# 4
% Passing # 200 sieve						