

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2022**

Vendor:	<u>J.H. LYNCH</u>	Lab No:	<u>20220006</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	99.0	21.6	6.6	2.9	2.7
CA Size:1/2	100.0	100.0	100.0	100.0	86.7	23.9	7.7	4.8
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	97.8	32.1	7.1
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.)			95.88	98.83	93.98
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:		2.653	2.714	2.705		
Specific Gravity (SSD):		2.702	2.734	2.724		
Apparent Specific Gravity:		2.789	2.771	2.756		
Absorption:		1.836	0.767	0.673		

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						

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Vendor:	<u>PJ KEATING</u>	Lab No:	<u>20220009</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	98.6	58.5	12.7	1.2	0.6
CA Size:1/2	100.0	100.0	100.0	100.0	92.1	35.4	2.8	1.9
CA Size:3/8	100.0	100.0	100.0	100.0	99.8	91.7	21.4	5.6
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.)			98.83	98.14	100.18
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
LA Type	LA Result	
Run # 1	<u>27.25</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:		2.680	2.730	2.769		
Specific Gravity (SSD):		2.718	2.758	2.798		
Apparent Specific Gravity:		2.786	2.808	2.852		
Absorption:		1.429	1.010	1.050		

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						

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Vendor:	<u>MATERIALS S and S</u>	Lab No:	<u>20220012</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	68.0	7.3	2.1	1.4	1.2
CA Size:1/2	100.0	100.0	100.0	99.9	81.6	22.0	2.3	1.9
CA Size:3/8	100.0	100.0	100.0	100.0	99.9	97.3	18.6	2.9
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.)			93.62	93.98	92.56
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	31.20

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:				2.599		
Specific Gravity (SSD):				2.617		
Apparent Specific Gravity:				2.648		
Absorption:				0.707		

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						

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Vendor:	<u>LYNCH - TIVERTON</u>	Lab No:	<u>20220017</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	99.6	83.8	25.0	8.5	3.8	2.9
CA Size:1/2		100.0	100.0	100.0	100.0	94.0	28.9	6.9	4.7
CA Size:3/8		100.0	100.0	100.0	100.0	100.0	94.1	18.9	5.0
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.)			96.11	93.49	92.67
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>38.20</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:		2.536	2.567	2.592		
Specific Gravity (SSD):		2.582	2.600	2.615		
Apparent Specific Gravity:		2.659	2.654	2.654		
Absorption:		1.819	1.277	0.893		

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						

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Vendor:	<u>RAWSON S and G</u>	Lab No:	<u>20220020</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	99.7	96.7	6.6	1.6	1.1	0.9
CA Size:1/2	100.0	100.0	100.0	100.0	79.0	11.5	1.1	0.9
CA Size:3/8	100.0	100.0	100.0	100.0	99.2	81.6	5.0	1.6
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.)			94.67	95.59	97.24
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	46.57

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:		2.664				
Specific Gravity (SSD):		2.701				
Apparent Specific Gravity:		2.767				
Absorption:		1.387				

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						

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Vendor:	<u>BROX IND. - DRACUT</u>	Lab No:	<u>20220024</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	89.9	20.5	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.)			102.14		
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>12.90</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:				2.858		
Specific Gravity (SSD):				2.880		
Apparent Specific Gravity:				2.924		
Absorption:				0.797		

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						

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Vendor: <u>CHERENZIA</u>	Lab No: <u>20220029</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	99.6	13.3	2.3	1.7	1.4
CA Size:1/2	100.0	100.0	100.0	100.0	66.6	10.3	1.6	1.3
CA Size:3/8	100.0	100.0	100.0	100.0	99.2	72.1	6.0	1.3
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.)			90.44	92.67	91.91
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	35.76

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:		2.522	2.604	2.597		
Specific Gravity (SSD):		2.571	2.626	2.621		
Apparent Specific Gravity:		2.653	2.664	2.661		
Absorption:		1.958	0.859	0.928		

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						

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Vendor: <u>TILCON - NEW BRITAIN</u>	Lab No: <u>20220034</u>
Source: <u>NEW BRITAIN QUARRY</u>	Location: <u>PLAINVILLE, 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:								
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	B	LA Result

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:				2.908		
Specific Gravity (SSD):				2.936		
Apparent Specific Gravity:				2.991		
Absorption:				0.952		

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						

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Vendor:	<u>TILCON - WALLINGFORD</u>	Lab No:	<u>20220035</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:3/4	100.0	100.0	100.0	100.0	79.4	40.0	4.3	1.1
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.)			107.48		
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>16.35</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:			2.886			
Specific Gravity (SSD):			2.919			
Apparent Specific Gravity:			2.986			
Absorption:			1.161			

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						

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Vendor:	<u>P.A. LANDERS</u>	Lab No:	<u>20220047</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:3/8	100.0	100.0	100.0	100.0	98.8	91.9	7.6	3.7
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.)					93.98
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:		2.607				
Specific Gravity (SSD):		2.653				
Apparent Specific Gravity:		2.732				
Absorption:		1.742				

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						

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Vendor:	<u>G. LOPES</u>	Lab No:	<u>20220049</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:								
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.)			98.34	92.25	
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	
	<u>B</u>	<u>27.48</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:			2.769	2.784		
Specific Gravity (SSD):			2.799	2.808		
Apparent Specific Gravity:			2.853	2.851		
Absorption:			1.068	0.842		

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						

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COARSE AGGREGATE ANALYSIS REPORT - 2022**

Vendor: <u>CARDI CORP.</u>	Lab No: <u>20220066</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	96.8	11.3	2.9	1.6	1.1
CA Size:1/2	100.0	100.0	100.0	100.0	79.3	25.1	2.6	1.6
CA Size:3/8	100.0	100.0	100.0	100.0	99.8	94.1	26.0	7.7
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.)			94.44	94.73	94.85
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:		2.529	2.622	2.600		
Specific Gravity (SSD):		2.575	2.646	2.618		
Apparent Specific Gravity:		2.651	2.685	2.648		
Absorption:		1.809	0.893	0.695		

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							

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Vendor: <u>CUMBERLAND QUARRY .</u>	Lab No: <u>20220068</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	97.7	40.1	10.1	1.9	1.4
CA Size:1/2	100.0	100.0	100.0	100.0	98.7	43.3	2.7	1.9
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	99.2	22.0	2.5
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.)			94.70	93.62	92.45
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	B	LA Result

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:		2.579	2.645	2.652		
Specific Gravity (SSD):		2.624	2.676	2.673		
Apparent Specific Gravity:		2.700	2.730	2.711		
Absorption:		1.731	1.169	0.825		

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						

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Vendor:	<u>Continental Paving</u>	Lab No:	<u>20220069</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	87.7	24.0	1.5	0.5
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.)			94.28		
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>16.75</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:				2.685		
Specific Gravity (SSD):				2.712		
Apparent Specific Gravity:				2.759		
Absorption:				0.994		

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						

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Vendor:	<u>FORT MILLER</u>	Lab No:	<u>20220080</u>
Source:	<u>SCHUYLERVILLE NY</u>	Location:	<u>SCHUYLERVILLE NY</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	99.7	69.5	47.2	6.7	3.8
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.)			102.20		
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	28.12

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:			2.648	2.650		
Specific Gravity (SSD):			2.673	2.685		
Apparent Specific Gravity:			2.717	2.746		
Absorption:			0.956	1.329		

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						

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Vendor: <u>MIOZZI</u>	Lab No: <u>20220082</u>
Source: <u>CAROLINA RD.</u>	Location: <u>CHARLESTOWN, 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	93.4	58.8	22.8	1.3	0.9
CA Size:1/2	100.0	100.0	100.0	100.0	90.6	57.4	6.6	5.3
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.)			92.70	94.47	89.84
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	47.41

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:			2.533	2.568		
Specific Gravity (SSD):			2.575	2.598		
Apparent Specific Gravity:			2.644	2.648		
Absorption:			1.661	1.186		

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						

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Vendor:	<u>BEVILAQUA</u>	Lab No:	<u>20220083</u>
Source:	<u>QUAKER HWY</u>	Location:	<u>UXBRIDGE, 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	93.6	32.3	8.9	1.6	1.0
CA Size:1/2	100.0	100.0	100.0	100.0	90.7	40.9	2.6	1.0
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	96.7	26.5	5.4
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.)			94.05	95.16	93.87
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	21.65	

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:		2.500	2.560	2.590		
Specific Gravity (SSD):		2.559	2.591	2.615		
Apparent Specific Gravity:		2.657	2.641	2.656		
Absorption:		2.361	1.196	0.952		

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						