

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
COARSE AGGREGATE ANALYSIS REPORT - 2024**

Vendor: <u>AGGREGATE INDUSTRIES</u>	Lab No: <u>20240001</u>
Source: <u>GREEN STREET QUARRY</u>	Location: <u>WRENTHAM, 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.)					
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	_____	_____

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:					2.689	2.751
Specific Gravity (SSD):					2.705	2.766
Apparent Specific Gravity:					2.733	2.792
Absorption:					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						

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Vendor:	<u>J.H. LYNCH</u>	Lab No:	<u>20240006</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	98.7	28.7	9.8	2.5	1.9
CA Size:1/2	100.0	100.0	100.0	100.0	88.4	29.2	1.1	0.9
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	98.8	28.0	2.1
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.)			96.06	98.54	96.96
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	
Run # 1	LA Type	LA Result	
1	B	13.55	

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:		2.753	2.818	2.780		
Specific Gravity (SSD):		2.778	2.831	2.790		
Apparent Specific Gravity:		2.824	2.857	2.808		
Absorption:		0.911	0.486	0.361		

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>20240012</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	99.2	52.1	3.0	1.6	1.5	1.4
CA Size:1/2	100.0	100.0	100.0	100.0	74.0	16.0	2.0	1.3
CA Size:3/8	100.0	100.0	100.0	100.0	99.8	96.0	19.1	2.1
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.)			90.45	88.92	86.17
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	28.45	

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	2.607	2.623		
Specific Gravity (SSD):		2.605	2.624	2.634		
Apparent Specific Gravity:		2.648	2.652	2.651		
Absorption:		1.011	0.643	0.412		

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>20240017</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	83.2	15.7	3.5	1.7	1.5
CA Size:1/2	100.0	100.0	100.0	100.0	94.3	35.2	2.5	1.6
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	87.6	2.0	1.2
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.)			93.45	92.46	90.38
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	36.34

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:		2.609	2.616	2.617		
Specific Gravity (SSD):		2.633	2.633	2.634		
Apparent Specific Gravity:		2.673	2.661	2.661		
Absorption:		0.917	0.646	0.627		

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>20240024</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	95.8	34.2	1.4	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.)			101.36		
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:				2.904		
Specific Gravity (SSD):				2.915		
Apparent Specific Gravity:				2.935		
Absorption:				0.368		

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</u>	Lab No:	<u>20240029</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	96.0	40.2	14.7	5.3	4.2
CA Size:1/2	100.0	100.0	100.0	100.0	79.6	30.8	4.8	2.8
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	97.8	30.6	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.)			93.58	94.76	93.06
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	36.29

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:		2.571	2.606	2.605		
Specific Gravity (SSD):		2.605	2.626	2.626		
Apparent Specific Gravity:		2.662	2.660	2.660		
Absorption:		1.322	0.768	0.806		

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>LO RUSSO CORP.</u>	Lab No: <u>20240032</u>
Source: <u>WRENTHAM, MA</u>	Location: <u>WRENTHAM, 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.)					
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:				2.617		
Specific Gravity (SSD):				2.635		
Apparent Specific Gravity:				2.666		
Absorption:				0.689		

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>20240034</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:3/4	100.0	100.0	100.0	100.0	70.7	15.0	0.9	0.7
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.)			101.08		
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>8.54</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:				2.917		
Specific Gravity (SSD):				2.941		
Apparent Specific Gravity:				2.989		
Absorption:				0.826		

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>20240035</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	99.7	69.9	28.2	3.5	1.9
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.)			106.76		
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	8.56	

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:				2.896		
Specific Gravity (SSD):				2.915		
Apparent Specific Gravity:				2.952		
Absorption:				0.656		

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>20240047</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								
CA Size:3/8	100.0	100.0	100.0	100.0	96.9	77.9	10.0	3.3
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.)					96.14
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 #	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:		2.650				
Specific Gravity (SSD):		2.679				
Apparent Specific Gravity:		2.729				
Absorption:		1.083				

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>20240049</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	100.0	75.2	9.7	2.9	1.2	1.0
CA Size:3/8	100.0	100.0	100.0	100.0	98.2	82.6	19.8	3.0
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.)			91.96		96.27
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	19.60

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:		2.693		2.717		
Specific Gravity (SSD):		2.718		2.737		
Apparent Specific Gravity:		2.764		2.772		
Absorption:		0.957		0.736		

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>CARDI CORP.</u>	Lab No: <u>20240066</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	97.8	21.6	4.2	1.0	0.9
CA Size:1/2	100.0	100.0	100.0	100.0	55.9	10.3	1.4	0.8
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	90.5	13.9	1.2
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.)			93.89	93.84	91.18
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	38.35

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:		2.568	2.608	2.601		
Specific Gravity (SSD):		2.598	2.622	2.619		
Apparent Specific Gravity:		2.649	2.646	2.647		
Absorption:		1.204	0.557	0.664		

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 - 2024**

Vendor:	<u>CUMBERLAND QUARRY .</u>	Lab No:	<u>20240068</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	99.1	59.1	17.5	2.1	1.4
CA Size:1/2	100.0	100.0	100.0	100.0	99.3	54.7	2.6	1.7
CA Size:3/8	100.0	100.0	100.0	100.0	100.0	97.6	29.6	3.9
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.)			95.39	93.84	93.77
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	26.29	

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:		2.650	2.667	2.667		
Specific Gravity (SSD):		2.676	2.687	2.684		
Apparent Specific Gravity:		2.722	2.722	2.714		
Absorption:		0.998	0.763	0.657		

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 - 2024**

Vendor: <u>Continental Paving</u>	Lab No: <u>20240069</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:1/2	100.0	100.0	100.0	100.0	97.3	42.7	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.)				93.90	
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	11.91	

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:				2.710		
Specific Gravity (SSD):				2.722		
Apparent Specific Gravity:				2.743		
Absorption:				0.441		

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 - 2024**

Vendor: <u>MIOZZI</u>	Lab No: <u>20240082</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	99.0	88.6	21.6	8.2	3.7	3.1
CA Size:1/2								
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.)			93.27		
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	41.45

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:				2.595		
Specific Gravity (SSD):				2.613		
Apparent Specific Gravity:				2.642		
Absorption:				0.676		

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						