

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: <u>FOSTER ( CSI )</u>	Lab No: <u>20210101</u>
Source: <u>HOPKINGTON QUARRY</u>	Location: <u>HOPKINTON, NH</u>

<b>Sieve Analysis of Fine Aggregate</b>	<b>AASHTO T-27</b>																		
Percent Passing :	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <th style="padding: 2px;">3/8"</th> <th style="padding: 2px;"># 4</th> <th style="padding: 2px;"># 8</th> <th style="padding: 2px;"># 16</th> <th style="padding: 2px;"># 30</th> <th style="padding: 2px;"># 50</th> <th style="padding: 2px;"># 100</th> <th style="padding: 2px;"># 200</th> <th style="padding: 2px;">F.M.:</th> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:									
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											

<b>Unit Weight and Void in Aggregate</b>	<b>AASHTO T-19 / T-304</b>						
<table style="width: 100%;"> <tr> <td style="width: 20%;">Compacted</td> <td style="width: 40%;">Unit Weight: _____</td> <td style="width: 40%;">(lbs./cu. ft.)</td> </tr> <tr> <td>Loose</td> <td>Unit Weight: _____</td> <td>(lbs./cu. ft.)</td> </tr> </table>	Compacted	Unit Weight: _____	(lbs./cu. ft.)	Loose	Unit Weight: _____	(lbs./cu. ft.)	
Compacted	Unit Weight: _____	(lbs./cu. ft.)					
Loose	Unit Weight: _____	(lbs./cu. ft.)					

<b>Specific Gravity and Absorption of Fine Aggregate</b>	<b>AASHTO T-84</b>								
<table style="width: 100%;"> <tr> <td style="width: 30%;">Bulk S.G.:</td> <td style="width: 30%;"><u>2.592</u></td> <td style="width: 30%;">Apparent S.G.:</td> <td style="width: 10%;"><u>2.630</u></td> </tr> <tr> <td>Bulk (SSD):</td> <td><u>2.606</u></td> <td>Absorption:</td> <td><u>0.56</u></td> </tr> </table>	Bulk S.G.:	<u>2.592</u>	Apparent S.G.:	<u>2.630</u>	Bulk (SSD):	<u>2.606</u>	Absorption:	<u>0.56</u>	
Bulk S.G.:	<u>2.592</u>	Apparent S.G.:	<u>2.630</u>						
Bulk (SSD):	<u>2.606</u>	Absorption:	<u>0.56</u>						

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines: _____	

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____ _____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: _____	Lab No: <u>20210102</u>
Source: _____	Location: _____

<b>Sieve Analysis of Fine Aggregate</b>		<b>AASHTO T-27</b>																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">3/8"</th> <th style="width: 10%;"># 4</th> <th style="width: 10%;"># 8</th> <th style="width: 10%;"># 16</th> <th style="width: 10%;"># 30</th> <th style="width: 10%;"># 50</th> <th style="width: 10%;"># 100</th> <th style="width: 10%;"># 200</th> <th style="width: 10%;">F.M.:</th> </tr> <tr> <td colspan="9">Percent Passing :</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	Percent Passing :																	
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:																				
Percent Passing :																												
<b>Unit Weight and Void in Aggregate</b>		<b>AASHTO T-19 / T-304</b>																										
Compacted	Unit Weight: _____	(lbs./cu. ft.)																										
Loose	Unit Weight: _____	(lbs./cu. ft.)																										
<b>Specific Gravity and Absorption of Fine Aggregate</b>		<b>AASHTO T-84</b>																										
Bulk S.G.:	<u>2.586</u>	Apparent S.G.:	<u>2.632</u>																									
Bulk (SSD):	<u>2.603</u>	Absorption:	<u>0.68</u>																									
<b>Plastic Fines by Sand Equivalence</b>		<b>AASHTO T-176</b>																										
Plastic Fines:	_____																											
<b>Organic Impurities in Sands for Concrete</b>		<b>AASHTO T-21</b>																										
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<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>		<b>AASHTO T-37</b>																										
_____ %																												

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>J.H. LYNCH</u>	Lab No:	<u>20210103</u>
Source:	<u>FIRST STREET QUARRY</u>	Location:	<u>CUMBERLAND, RI</u>

<b>Sieve Analysis of Fine Aggregate</b>		<b>AASHTO T-27</b>	
<b>Percent Passing :</b>	<u>3/8"</u>	<u># 4</u>	<u># 8</u>
	<u>100.0</u>	<u>98.8</u>	<u>77.0</u>
	<u># 16</u>	<u># 30</u>	<u># 50</u>
	<u>44.7</u>	<u>27.6</u>	<u>18.0</u>
	<u># 100</u>	<u># 200</u>	<u>F.M.:</u>
	<u>12.0</u>	<u>8.1</u>	<u>3.22</u>
<b>Unit Weight and Void in Aggregate</b>		<b>AASHTO T-19 / T-304</b>	
<b>Compacted</b>	Unit Weight:	_____	(lbs./cu. ft.)
<b>Loose</b>	Unit Weight:	_____	(lbs./cu. ft.)
<b>Specific Gravity and Absorption of Fine Aggregate</b>		<b>AASHTO T-84</b>	
Bulk S.G.:	<u>2.659</u>	Apparent S.G.:	<u>2.732</u>
Bulk (SSD):	<u>2.686</u>	Absorption:	<u>1.01</u>
<b>Plastic Fines by Sand Equivalence</b>		<b>AASHTO T-176</b>	
Plastic Fines:	_____		
<b>Organic Impurities in Sands for Concrete</b>		<b>AASHTO T-21</b>	
_____			
_____			
<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>		<b>AASHTO T-37</b>	
_____ %			

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>RAWSON</u>	Lab No:	<u>20210124</u>
Source:	<u>OLD HOPKINTON RD. QUARRY</u>	Location:	<u>WESTERLY, RI</u>

<b>Sieve Analysis of Fine Aggregate</b>	<b>AASHTO T-27</b>																		
Percent Passing :	<table border="1" style="width: 100%;"><thead><tr><th>3/8"</th><th># 4</th><th># 8</th><th># 16</th><th># 30</th><th># 50</th><th># 100</th><th># 200</th><th>F.M.:</th></tr></thead><tbody><tr><td>100.0</td><td>99.4</td><td>80.9</td><td>55.4</td><td>37.0</td><td>21.4</td><td>8.4</td><td>2.6</td><td>2.98</td></tr></tbody></table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	99.4	80.9	55.4	37.0	21.4	8.4	2.6	2.98
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	99.4	80.9	55.4	37.0	21.4	8.4	2.6	2.98											

<b>Unit Weight and Void in Aggregate</b>	<b>AASHTO T-19 / T-304</b>
Compacted	Unit Weight: _____ (lbs./cu. ft.)
Loose	Unit Weight: _____ (lbs./cu. ft.)

<b>Specific Gravity and Absorption of Fine Aggregate</b>	<b>AASHTO T-84</b>		
Bulk S.G.:	<u>2.589</u>	Apparent S.G.:	<u>2.627</u>
Bulk (SSD):	<u>2.603</u>	Absorption:	<u>0.56</u>

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines:	_____

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____	
_____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	

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FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>RICHMOND SAND and GRAVEL</u>	Lab No:	<u>20210126</u>
Source:	<u>STILSON ROAD PIT</u>	Location:	<u>RICHMOND, RI</u>

<b>Sieve Analysis of Fine Aggregate</b>		<b>AASHTO T-27</b>								
Percent Passing :		<b>3/8"</b>	<b># 4</b>	<b># 8</b>	<b># 16</b>	<b># 30</b>	<b># 50</b>	<b># 100</b>	<b># 200</b>	<b>F.M.:</b>
		100.0	97.8	82.4	64.3	41.7	18.6	5.1	1.4	2.90

<b>Unit Weight and Void in Aggregate</b>		<b>AASHTO T-19 / T-304</b>	
Compacted	Unit Weight:	_____	(lbs./cu. ft.)
Loose	Unit Weight:	_____	(lbs./cu. ft.)

<b>Specific Gravity and Absorption of Fine Aggregate</b>		<b>AASHTO T-84</b>	
Bulk S.G.:	_____	Apparent S.G.:	_____
Bulk (SSD):	_____	Absorption:	_____

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines: _____	

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____	
_____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
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FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>PJ KEATING - ACUSHNET</u>	Lab No:	<u>20210136</u>
Source:	<u>ACUSHNET QUARRY</u>	Location:	<u>ACUSHNET, MA</u>

Sieve Analysis of Fine Aggregate	AASHTO T-27																		
Percent Passing :	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>3/8"</th> <th># 4</th> <th># 8</th> <th># 16</th> <th># 30</th> <th># 50</th> <th># 100</th> <th># 200</th> <th>F.M.:</th> </tr> <tr> <td>100.0</td> <td>96.5</td> <td>68.9</td> <td>42.7</td> <td>28.5</td> <td>18.8</td> <td>9.1</td> <td>3.9</td> <td>3.36</td> </tr> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	96.5	68.9	42.7	28.5	18.8	9.1	3.9	3.36
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	96.5	68.9	42.7	28.5	18.8	9.1	3.9	3.36											

Unit Weight and Void in Aggregate	AASHTO T-19 / T-304
Compacted	Unit Weight: _____ (lbs./cu. ft.)
Loose	Unit Weight: _____ (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate	AASHTO T-84		
Bulk S.G.:	<u>2.667</u>	Apparent S.G.:	<u>2.726</u>
Bulk (SSD):	<u>2.689</u>	Absorption:	<u>0.81</u>

Plastic Fines by Sand Equivalence	AASHTO T-176
Plastic Fines:	_____

Organic Impurities in Sands for Concrete	AASHTO T-21
_____	
_____	

Amount of Material Finer than # 200 Sieve in Aggregate	AASHTO T-37
_____ %	

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FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>P.A. LANDERS</u>	Lab No:	<u>20210160</u>
Source:	<u>PLYMOUTH PIT</u>	Location:	<u>PLYMOUTH, MA</u>

<b>Sieve Analysis of Fine Aggregate</b>		<b>AASHTO T-27</b>								
<b>Percent Passing :</b>		<b>3/8"</b>	<b># 4</b>	<b># 8</b>	<b># 16</b>	<b># 30</b>	<b># 50</b>	<b># 100</b>	<b># 200</b>	<b>F.M.:</b>
		100.0	98.8	92.1	81.3	55.9	22.8	4.9	1.5	2.44

<b>Unit Weight and Void in Aggregate</b>		<b>AASHTO T-19 / T-304</b>	
<b>Compacted</b>	<b>Unit Weight:</b>	_____	<b>(lbs./cu. ft.)</b>
<b>Loose</b>	<b>Unit Weight:</b>	_____	<b>(lbs./cu. ft.)</b>

<b>Specific Gravity and Absorption of Fine Aggregate</b>		<b>AASHTO T-84</b>	
<b>Bulk S.G.:</b>	_____	<b>Apparent S.G.:</b>	_____
<b>Bulk (SSD):</b>	_____	<b>Absorption:</b>	_____

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
<b>Plastic Fines:</b>	_____

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div>	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
<div style="border-bottom: 1px solid black; display: inline-block; width: 100px;"></div> %	

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FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>G. LOPES</u>	Lab No:	<u>20210169</u>
Source:	<u>MIDDLEBORO PIT</u>	Location:	<u>MIDDLEBORO, MA</u>

<b>Sieve Analysis of Fine Aggregate</b>	<b>AASHTO T-27</b>																		
Percent Passing :	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">3/8"</th> <th style="padding: 2px;"># 4</th> <th style="padding: 2px;"># 8</th> <th style="padding: 2px;"># 16</th> <th style="padding: 2px;"># 30</th> <th style="padding: 2px;"># 50</th> <th style="padding: 2px;"># 100</th> <th style="padding: 2px;"># 200</th> <th style="padding: 2px;">F.M.:</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">100.0</td> <td style="padding: 2px;">98.9</td> <td style="padding: 2px;">83.8</td> <td style="padding: 2px;">67.0</td> <td style="padding: 2px;">46.0</td> <td style="padding: 2px;">21.1</td> <td style="padding: 2px;">5.3</td> <td style="padding: 2px;">1.9</td> <td style="padding: 2px;">2.78</td> </tr> </tbody> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	98.9	83.8	67.0	46.0	21.1	5.3	1.9	2.78
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	98.9	83.8	67.0	46.0	21.1	5.3	1.9	2.78											

<b>Unit Weight and Void in Aggregate</b>	<b>AASHTO T-19 / T-304</b>
Compacted      Unit Weight: _____ (lbs./cu. ft.)	
Loose            Unit Weight: _____ (lbs./cu. ft.)	

<b>Specific Gravity and Absorption of Fine Aggregate</b>	<b>AASHTO T-84</b>
Bulk S.G.: <u>2.683</u> Apparent S.G.: <u>2.731</u>	
Bulk (SSD): <u>2.700</u> Absorption: <u>0.66</u>	

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines: _____	

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____	
_____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	



**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: <u>LO RUSSO CORP.</u>	Lab No: <u>20210174</u>
Source: <u>WRENTHAM, MA</u>	Location: <u>WRENTHAM, MA</u>

<b>Sieve Analysis of Fine Aggregate</b>		<b>AASHTO T-27</b>																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">3/8"</th> <th style="width: 10%;"># 4</th> <th style="width: 10%;"># 8</th> <th style="width: 10%;"># 16</th> <th style="width: 10%;"># 30</th> <th style="width: 10%;"># 50</th> <th style="width: 10%;"># 100</th> <th style="width: 10%;"># 200</th> <th style="width: 10%;">F.M.:</th> </tr> </thead> <tbody> <tr> <td>100.0</td> <td>99.7</td> <td>78.4</td> <td>50.2</td> <td>29.1</td> <td>12.8</td> <td>3.3</td> <td>1.2</td> <td>3.27</td> </tr> </tbody> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	99.7	78.4	50.2	29.1	12.8	3.3	1.2	3.27
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	99.7	78.4	50.2	29.1	12.8	3.3	1.2	3.27											
<b>Percent Passing :</b>																			
<b>Unit Weight and Void in Aggregate</b>		<b>AASHTO T-19 / T-304</b>																	
Compacted	Unit Weight: _____	(lbs./cu. ft.)																	
Loose	Unit Weight: _____	(lbs./cu. ft.)																	
<b>Specific Gravity and Absorption of Fine Aggregate</b>		<b>AASHTO T-84</b>																	
Bulk S.G.:	_____	2.581																	
Apparent S.G.:	_____	2.667																	
Bulk (SSD):	_____	2.613																	
Absorption:	_____	1.26																	
<b>Plastic Fines by Sand Equivalence</b>		<b>AASHTO T-176</b>																	
Plastic Fines: _____																			
<b>Organic Impurities in Sands for Concrete</b>		<b>AASHTO T-21</b>																	
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<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>		<b>AASHTO T-37</b>																	
_____ %																			

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MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: <u>CARDI</u>	Lab No: <u>20210183</u>
Source: <u>West Greenwich, RI</u>	Location: <u>West Greenwich, RI</u>

<b>Sieve Analysis of Fine Aggregate</b>	<b>AASHTO T-27</b>																		
Percent Passing :	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 10%;">3/8"</th> <th style="width: 10%;"># 4</th> <th style="width: 10%;"># 8</th> <th style="width: 10%;"># 16</th> <th style="width: 10%;"># 30</th> <th style="width: 10%;"># 50</th> <th style="width: 10%;"># 100</th> <th style="width: 10%;"># 200</th> <th style="width: 10%;">F.M.:</th> </tr> <tr> <td>100.0</td> <td>99.4</td> <td>83.2</td> <td>64.8</td> <td>48.4</td> <td>29.5</td> <td>9.8</td> <td>2.5</td> <td>2.65</td> </tr> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	99.4	83.2	64.8	48.4	29.5	9.8	2.5	2.65
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	99.4	83.2	64.8	48.4	29.5	9.8	2.5	2.65											

<b>Unit Weight and Void in Aggregate</b>	<b>AASHTO T-19 / T-304</b>
Compacted      Unit Weight: _____ (lbs./cu. ft.)	
Loose            Unit Weight: _____ (lbs./cu. ft.)	

<b>Specific Gravity and Absorption of Fine Aggregate</b>	<b>AASHTO T-84</b>
Bulk S.G.: <u>2.599</u> Apparent S.G.: <u>2.642</u>	
Bulk (SSD): <u>2.616</u> Absorption: <u>0.62</u>	

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines: _____	

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____	
_____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	

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FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: <u>RAWSON</u>	Lab No: <u>20210184</u>
Source: <u>WHITE ROCK ROAD</u>	Location: <u>WESTERLY, RI</u>

<b>Sieve Analysis of Fine Aggregate</b>		<b>AASHTO T-27</b>																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">3/8"</th> <th style="width: 10%;"># 4</th> <th style="width: 10%;"># 8</th> <th style="width: 10%;"># 16</th> <th style="width: 10%;"># 30</th> <th style="width: 10%;"># 50</th> <th style="width: 10%;"># 100</th> <th style="width: 10%;"># 200</th> <th style="width: 10%;">F.M.:</th> </tr> </thead> <tbody> <tr> <td>100.0</td> <td>99.8</td> <td>79.4</td> <td>59.1</td> <td>41.9</td> <td>25.5</td> <td>10.8</td> <td>3.7</td> <td>2.84</td> </tr> </tbody> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	99.8	79.4	59.1	41.9	25.5	10.8	3.7	2.84
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	99.8	79.4	59.1	41.9	25.5	10.8	3.7	2.84											
<b>Unit Weight and Void in Aggregate</b>		<b>AASHTO T-19 / T-304</b>																	
Compacted	Unit Weight: _____	(lbs./cu. ft.)																	
Loose	Unit Weight: _____	(lbs./cu. ft.)																	
<b>Specific Gravity and Absorption of Fine Aggregate</b>		<b>AASHTO T-84</b>																	
Bulk S.G.:	<u>2.580</u>	Apparent S.G.:																	
		<u>2.639</u>																	
Bulk (SSD):	<u>2.602</u>	Absorption:																	
		<u>0.87</u>																	
<b>Plastic Fines by Sand Equivalence</b>		<b>AASHTO T-176</b>																	
Plastic Fines: _____																			
<b>Organic Impurities in Sands for Concrete</b>		<b>AASHTO T-21</b>																	
<div style="border-bottom: 1px solid black; width: 100%;"></div> <div style="border-bottom: 1px solid black; width: 100%;"></div>																			
<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>		<b>AASHTO T-37</b>																	
_____ %																			

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**  
**MATERIALS AND QUALITY ASSURANCE**  
**FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>PJ KEATINGS (STONE SAND)</u>	Lab No:	<u>20210191</u>
Source:	<u>CRANSTON, RI</u>	Location:	<u>PHENIX AVE.</u>

<b>Sieve Analysis of Fine Aggregate</b>					<b>AASHTO T-27</b>				
	<b>3/8"</b>	<b># 4</b>	<b># 8</b>	<b># 16</b>	<b># 30</b>	<b># 50</b>	<b># 100</b>	<b># 200</b>	<b>F.M.:</b>
<b>Percent Passing :</b>	100.0	97.6	66.1	42.0	27.3	17.3	9.4	5.5	3.40

<b>Unit Weight and Void in Aggregate</b>			<b>AASHTO T-19 / T-304</b>		
<b>Compacted</b>	Unit Weight:	_____	(lbs./cu. ft.)		
<b>Loose</b>	Unit Weight:	_____	(lbs./cu. ft.)		

<b>Specific Gravity and Absorption of Fine Aggregate</b>				<b>AASHTO T-84</b>	
<b>Bulk S.G.:</b>	<u>2.746</u>	<b>Apparent S.G.:</b>	<u>2.815</u>		
<b>Bulk (SSD):</b>	<u>2.771</u>	<b>Absorption:</b>	<u>0.89</u>		

<b>Plastic Fines by Sand Equivalence</b>			<b>AASHTO T-176</b>		
<b>Plastic Fines:</b>	_____				

<b>Organic Impurities in Sands for Concrete</b>			<b>AASHTO T-21</b>		
_____ _____					

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>			<b>AASHTO T-37</b>		
_____ %					

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	<u>WINDHAM MATERIALS</u>	Lab No:	<u>20210195</u>
Source:	<u>WILLIMANTIC CT.</u>	Location:	<u>WILLIMANTIC CT.</u>

<b>Sieve Analysis of Fine Aggregate</b>	<b>AASHTO T-27</b>																		
Percent Passing :	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 10%;">3/8"</th> <th style="width: 10%;"># 4</th> <th style="width: 10%;"># 8</th> <th style="width: 10%;"># 16</th> <th style="width: 10%;"># 30</th> <th style="width: 10%;"># 50</th> <th style="width: 10%;"># 100</th> <th style="width: 10%;"># 200</th> <th style="width: 10%;">F.M.:</th> </tr> <tr> <td>100.0</td> <td>94.6</td> <td>74.5</td> <td>57.4</td> <td>38.4</td> <td>18.8</td> <td>4.8</td> <td>1.1</td> <td>3.11</td> </tr> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	94.6	74.5	57.4	38.4	18.8	4.8	1.1	3.11
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	94.6	74.5	57.4	38.4	18.8	4.8	1.1	3.11											

<b>Unit Weight and Void in Aggregate</b>	<b>AASHTO T-19 / T-304</b>
Compacted	Unit Weight: _____ (lbs./cu. ft.)
Loose	Unit Weight: _____ (lbs./cu. ft.)

<b>Specific Gravity and Absorption of Fine Aggregate</b>	<b>AASHTO T-84</b>		
Bulk S.G.:	<u>2.650</u>	Apparent S.G.:	<u>2.704</u>
Bulk (SSD):	<u>2.670</u>	Absorption:	<u>0.75</u>

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines:	_____

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____	
_____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	CUMBERLAND QUARRY	Lab No:	20210198
Source:	MANVILLE HILL ROAD	Location:	CUMBERLAND, RI

**Sieve Analysis of Fine Aggregate**

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	99.5	65.5	35.4	21.2	13.8	9.0	5.5	3.56

**Unit Weight and Void in Aggregate**

AASHTO T-19 / T-304

Compacted      Unit Weight: \_\_\_\_\_ (lbs./cu. ft.)  
Loose             Unit Weight: \_\_\_\_\_ (lbs./cu. ft.)

**Specific Gravity and Absorption of Fine Aggregate**

AASHTO T-84

Bulk S.G.:	2.692	Apparent S.G.:	2.773
Bulk (SSD):	2.721	Absorption:	1.09

**Plastic Fines by Sand Equivalence**

AASHTO T-176

Plastic Fines: \_\_\_\_\_

**Organic Impurities in Sands for Concrete**

AASHTO T-21

\_\_\_\_\_  
\_\_\_\_\_

**Amount of Material Finer than # 200 Sieve in Aggregate** AASHTO T-37

\_\_\_\_\_ %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: <u>CARDI CORP (ASPHALT SAND)</u>	Lab No: <u>20210202</u>
Source: <u>HOPKIN HILL ROAD</u>	Location: <u>COVENTRY, RI</u>

<b>Sieve Analysis of Fine Aggregate</b>	<b>AASHTO T-27</b>																		
Percent Passing :	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 10%;">3/8"</th> <th style="width: 10%;"># 4</th> <th style="width: 10%;"># 8</th> <th style="width: 10%;"># 16</th> <th style="width: 10%;"># 30</th> <th style="width: 10%;"># 50</th> <th style="width: 10%;"># 100</th> <th style="width: 10%;"># 200</th> <th style="width: 10%;">F.M.:</th> </tr> <tr> <td>100.0</td> <td>94.0</td> <td>58.1</td> <td>35.0</td> <td>24.5</td> <td>18.5</td> <td>9.7</td> <td>3.0</td> <td>3.60</td> </tr> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	94.0	58.1	35.0	24.5	18.5	9.7	3.0	3.60
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	94.0	58.1	35.0	24.5	18.5	9.7	3.0	3.60											

<b>Unit Weight and Void in Aggregate</b>	<b>AASHTO T-19 / T-304</b>
Compacted      Unit Weight: _____ (lbs./cu. ft.)	
Loose            Unit Weight: _____ (lbs./cu. ft.)	

<b>Specific Gravity and Absorption of Fine Aggregate</b>	<b>AASHTO T-84</b>
Bulk S.G.: <u>2.599</u> Apparent S.G.: <u>2.639</u>	
Bulk (SSD): <u>2.614</u> Absorption: <u>0.58</u>	

<b>Plastic Fines by Sand Equivalence</b>	<b>AASHTO T-176</b>
Plastic Fines: _____	

<b>Organic Impurities in Sands for Concrete</b>	<b>AASHTO T-21</b>
_____	
_____	

<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>	<b>AASHTO T-37</b>
_____ %	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor: <u>FORT MILLER</u>	Lab No: <u>20210223</u>
Source: _____	Location: <u>SCHUYLERVILLE NY</u>

<b>Sieve Analysis of Fine Aggregate</b>			<b>AASHTO T-27</b>																								
	<table border="1" style="width: 100%; text-align: center;"><thead><tr><th>3/8"</th><th># 4</th><th># 8</th><th># 16</th><th># 30</th><th># 50</th><th># 100</th><th># 200</th><th>F.M.:</th></tr></thead><tbody><tr><td>100.0</td><td>95.6</td><td>82.0</td><td>66.0</td><td>48.9</td><td>27.4</td><td>7.2</td><td>2.1</td><td>2.73</td></tr></tbody></table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	95.6	82.0	66.0	48.9	27.4	7.2	2.1	2.73								
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:																			
100.0	95.6	82.0	66.0	48.9	27.4	7.2	2.1	2.73																			
Percent Passing :																											
<b>Unit Weight and Void in Aggregate</b>			<b>AASHTO T-19 / T-304</b>																								
Compacted	Unit Weight:	_____ (lbs./cu. ft.)																									
Loose	Unit Weight:	_____ (lbs./cu. ft.)																									
<b>Specific Gravity and Absorption of Fine Aggregate</b>			<b>AASHTO T-84</b>																								
Bulk S.G.:	_____ 2.661	Apparent S.G.:	_____ 2.713																								
Bulk (SSD):	_____ 2.680	Absorption:	_____ 0.73																								
<b>Plastic Fines by Sand Equivalence</b>			<b>AASHTO T-176</b>																								
Plastic Fines:	_____																										
<b>Organic Impurities in Sands for Concrete</b>			<b>AASHTO T-21</b>																								
_____ _____																											
<b>Amount of Material Finer than # 200 Sieve in Aggregate</b>			<b>AASHTO T-37</b>																								
_____ %																											



**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
FINE AGGREGATE ANALYSIS REPORT - 2021**

Vendor:	OSSIPEE AGGREGATES	Lab No:	20210226
Source:		Location:	OSSIPEEE, NH

**Sieve Analysis of Fine Aggregate**

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	99.0	92.9	75.7	46.7	17.5	4.3	1.3	2.64

**Unit Weight and Void in Aggregate**

AASHTO T-19 / T-304

Compacted      Unit Weight: \_\_\_\_\_ (lbs./cu. ft.)  
Loose            Unit Weight: \_\_\_\_\_ (lbs./cu. ft.)

**Specific Gravity and Absorption of Fine Aggregate**

AASHTO T-84

Bulk S.G.:      2.563                      Apparent S.G.:      2.619  
Bulk (SSD):    2.585                      Absorption:          0.83

**Plastic Fines by Sand Equivalence**

AASHTO T-176

Plastic Fines: \_\_\_\_\_

**Organic Impurities in Sands for Concrete**

AASHTO T-21

\_\_\_\_\_  
\_\_\_\_\_

**Amount of Material Finer than # 200 Sieve in Aggregate**

AASHTO T-37

\_\_\_\_\_ %