

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS REPORT - 2019**

Vendor: <u>MAKEPIECE</u>	Lab No: <u>20190222</u>
Source: _____	Location: _____

Sieve Analysis of Fine Aggregate	AASHTO T-27																				
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <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>Percent Passing :</td> <td style="text-align: center;">100.0</td> <td style="text-align: center;">98.1</td> <td style="text-align: center;">91.0</td> <td style="text-align: center;">80.8</td> <td style="text-align: center;">58.3</td> <td style="text-align: center;">23.1</td> <td style="text-align: center;">3.1</td> <td style="text-align: center;">0.5</td> <td style="text-align: center;">2.46</td> </tr> </tbody> </table>		3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	Percent Passing :	100.0	98.1	91.0	80.8	58.3	23.1	3.1	0.5	2.46	
	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:												
Percent Passing :	100.0	98.1	91.0	80.8	58.3	23.1	3.1	0.5	2.46												
Unit Weight and Void in Aggregate	AASHTO T-19																				
Unit Weight: <u>105.25</u> (lbs./cu. ft.)																					
Specific Gravity and Absorption of Fine Aggregate	AASHTO T-84																				
Bulk S.G.: <u>2.625</u> Apparent S.G.: <u>2.643</u>																					
Bulk (SSD): <u>2.632</u> Absorption: <u>0.26</u>																					
Plastic Fines by Sand Equivalence	AASHTO T-176																				
Plastic Fines: <u>96.00</u>																					
Organic Impurities in Sands for Concrete	AASHTO T-21																				
_____ Less than Organic Plate # 1 _____																					
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 - 2019**

Vendor: <u>MIOZZI</u>	Lab No: <u>20190224</u>
Source: <u>CAROLINA RD.</u>	Location: <u>CHARLESTOWN, RI</u>

Sieve Analysis of Fine Aggregate	AASHTO T-27																		
<table border="1" style="margin-left: auto; margin-right: auto; 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 style="text-align: center;">100.0</td> <td style="text-align: center;">97.8</td> <td style="text-align: center;">91.3</td> <td style="text-align: center;">77.4</td> <td style="text-align: center;">45.4</td> <td style="text-align: center;">13.5</td> <td style="text-align: center;">3.2</td> <td style="text-align: center;">0.9</td> <td style="text-align: center;">2.71</td> </tr> </tbody> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	97.8	91.3	77.4	45.4	13.5	3.2	0.9	2.71	
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	97.8	91.3	77.4	45.4	13.5	3.2	0.9	2.71											
Percent Passing :																			
Unit Weight and Void in Aggregate	AASHTO T-19																		
Unit Weight: _____ (lbs./cu. ft.)																			
Specific Gravity and Absorption of Fine Aggregate	AASHTO T-84																		
Bulk S.G.: <u>2.599</u>	Apparent S.G.: <u>2.624</u>																		
Bulk (SSD): <u>2.609</u>	Absorption: <u>0.36</u>																		
Plastic Fines by Sand Equivalence	AASHTO T-176																		
Plastic Fines: _____																			
Organic Impurities in Sands for Concrete	AASHTO T-21																		
_____ Less than Organic Plate # 1 _____																			
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 - 2019**

Vendor: <u>MIOZZI</u>	Lab No: <u>20190225</u>
Source: <u>CAROLINA RD.</u>	Location: <u>CHARLESTOWN, RI</u>

Sieve Analysis of Fine Aggregate	AASHTO T-27																		
Percent Passing :	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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>91.0</td> <td>72.2</td> <td>56.8</td> <td>41.6</td> <td>27.8</td> <td>16.2</td> <td>8.0</td> <td>2.94</td> </tr> </tbody> </table>	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:	100.0	91.0	72.2	56.8	41.6	27.8	16.2	8.0	2.94
3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:											
100.0	91.0	72.2	56.8	41.6	27.8	16.2	8.0	2.94											
Unit Weight and Void in Aggregate	AASHTO T-19																		
Unit Weight: _____ (lbs./cu. ft.)																			
Specific Gravity and Absorption of Fine Aggregate	AASHTO T-84																		
Bulk S.G.: <u>2.606</u>	Apparent S.G.: <u>2.636</u>																		
Bulk (SSD): <u>2.617</u>	Absorption: <u>0.44</u>																		
Plastic Fines by Sand Equivalence	AASHTO T-176																		
Plastic Fines: _____																			
Organic Impurities in Sands for Concrete	AASHTO T-21																		

Less than Organic Plate # 1																			
Amount of Material Finer than # 200 Sieve in Aggregate	AASHTO T-37																		
_____ %																			