

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION**

**MATERIALS SECTION**

**FINE AGGREGATE RESULTS – 2014**

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**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS SECTION  
FINE AGGREGATES RESULTS - 2014**

**VENDOR:**  
**PJ KEATING - CRANSTON**

**VENDOR NUMBER :**  
**110**

**SOURCE:**  
**PHENIX AVE.**

**LOCATION:**  
**CRANSTON, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|              |       |              |      |
|--------------|-------|--------------|------|
| <b>3/8"</b>  | 100.0 | <b>F.M.:</b> | 2.68 |
| <b># 4</b>   | 99.1  |              |      |
| <b># 8</b>   | 85.6  |              |      |
| <b># 16</b>  | 66.0  |              |      |
| <b># 30</b>  | 44.6  |              |      |
| <b># 50</b>  | 26.2  |              |      |
| <b># 100</b> | 10.0  |              |      |
| <b># 200</b> | 2.1   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

111.5 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.608               | 2.661                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.628               | 0.77                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

96.00

**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-11**      1.7 %

**Test Form No. TL9-082**

**Rev. 9-09**

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS SECTION  
FINE AGGREGATES RESULTS - 2014**

**VENDOR:**  
**DRY BRIDGE SAND and STONE**

**VENDOR NUMBER :**  
**113**

**SOURCE:**  
**SLOCUM PIT**

**LOCATION:**  
**N. KINGSTOWN, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|              |       |              |      |
|--------------|-------|--------------|------|
| 3/8"         | 100.0 | <b>F.M.:</b> | 2.94 |
| <b># 4</b>   | 99.8  |              |      |
| <b># 8</b>   | 85.8  |              |      |
| <b># 16</b>  | 60.7  |              |      |
| <b># 30</b>  | 35.6  |              |      |
| <b># 50</b>  | 17.3  |              |      |
| <b># 100</b> | 6.5   |              |      |
| <b># 200</b> | 1.3   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

108.2 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.599               | 2.655                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.620               | 0.81                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

98.00

**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-11**      1.2 %

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FINE AGGREGATES RESULTS - 2014**

**VENDOR:**  
**RAWSON SAND and GRAVEL**

**VENDOR NUMBER :**  
**120**

**SOURCE:**  
**SOCHOR PIT**

**LOCATION:**  
**PUTNAM, CT**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

**3/8"**

**F.M.:**

**# 4**

**# 8**

**# 16**

**# 30**

**# 50**

**# 100**

**# 200**

**Unit Weight and Void in  
Aggregate AASHTO T-19**

**(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

**Bulk S.G. :**

**Apparent  
S.G.:**

**Bulk (SSD) :**

**Absorption:**

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

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

**Amount of Material Finer than # 200**

**Sieve in Aggregate**

**AASHTO T-11**

**%**

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FINE AGGREGATES RESULTS - 2014**

**VENDOR:**  
**CHERENZIA**

**VENDOR NUMBER :**  
**123**

**SOURCE:**  
**OLD HOPKINTON RD. QUARRY**

**LOCATION:**  
**WESTERLY, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|  |       |       |              |      |
|--|-------|-------|--------------|------|
|  | 3/8"  | 100.0 | <b>F.M.:</b> | 2.89 |
|  | # 4   | 100.0 |              |      |
|  | # 8   | 82.7  |              |      |
|  | # 16  | 57.6  |              |      |
|  | # 30  | 38.3  |              |      |
|  | # 50  | 22.5  |              |      |
|  | # 100 | 9.5   |              |      |
|  | # 200 | 2.6   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

107.7 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |       |                           |       |
|---------------------|-------|---------------------------|-------|
| <b>Bulk S.G. :</b>  | 2.626 | <b>Apparent<br/>S.G.:</b> | 2.665 |
| <b>Bulk (SSD) :</b> | 2.641 | <b>Absorption:</b>        | 0.56  |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

88.00

**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-11**                      2.9 %

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MATERIALS SECTION  
FINE AGGREGATES RESULTS - 2014**

**VENDOR:**  
RICHMOND SAND and GRAVEL

**VENDOR NUMBER :**  
125

**SOURCE:**  
STILSON ROAD PIT

**LOCATION:**  
RICHMOND, RI

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|       |       |              |      |
|-------|-------|--------------|------|
| 3/8"  | 100.0 | <b>F.M.:</b> | 2.78 |
| # 4   | 96.0  |              |      |
| # 8   | 81.5  |              |      |
| # 16  | 68.5  |              |      |
| # 30  | 47.6  |              |      |
| # 50  | 22.6  |              |      |
| # 100 | 6.1   |              |      |
| # 200 | 1.2   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

105.1 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.617               | 2.639                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.625               | 0.32                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

96.50

**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-11 1.3 %

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**VENDOR:**  
PJ KEATING - ACUSHNET

**VENDOR NUMBER :**  
135

**SOURCE:**  
ACUSHNET QUARRY

**LOCATION:**  
ACUSHNET, MA

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|       |       |              |      |
|-------|-------|--------------|------|
| 3/8"  | 100.0 | <b>F.M.:</b> | 2.87 |
| # 4   | 99.1  |              |      |
| # 8   | 79.6  |              |      |
| # 16  | 56.4  |              |      |
| # 30  | 39.5  |              |      |
| # 50  | 26.0  |              |      |
| # 100 | 12.5  |              |      |
| # 200 | 5.0   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

117.8 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                    |
|---------------------|--------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent</b>    |
| 2.813               | <b>S.G.:</b> 2.854 |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b> |
| 2.827               | 0.50               |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

92.00

**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-11 5.1 %

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**VENDOR:**  
**LYNCH - TIVERTON**

**VENDOR NUMBER :**  
**141**

**SOURCE:**  
**FISH ROAD QUARRY**

**LOCATION:**  
**TIVERTON**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 3.31 |
|   | # 4   | 99.0  |              |      |
|   | # 8   | 72.8  |              |      |
|   | # 16  | 45.0  |              |      |
|   | # 30  | 27.9  |              |      |
|   | # 50  | 15.9  |              |      |
|   | # 100 | 8.7   |              |      |
|   | # 200 | 5.3   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

110.5 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.596               | 2.645                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.615               | 0.73                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

87.00

**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-11**      6.1 %

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**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
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**VENDOR:**  
**SOUTH COUNTY S & G**

**VENDOR NUMBER :**  
**148**

**SOURCE:**  
**CHARLESTOWN PIT**

**LOCATION:**  
**CHARLESTOWN, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|              |       |              |      |
|--------------|-------|--------------|------|
| 3/8"         | 100.0 | <b>F.M.:</b> | 3.16 |
| <b># 4</b>   | 100.0 |              |      |
| <b># 8</b>   | 81.2  |              |      |
| <b># 16</b>  | 53.9  |              |      |
| <b># 30</b>  | 29.1  |              |      |
| <b># 50</b>  | 14.0  |              |      |
| <b># 100</b> | 5.6   |              |      |
| <b># 200</b> | 1.6   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

110.1 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.594               | 2.642                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.612               | 0.70                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

98.00

**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-11**      1.8 %

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**VENDOR:**  
**ATTLEBORO S & G**

**VENDOR NUMBER :**  
**153**

**SOURCE:**  
**ATTLEBORO PIT**

**LOCATION:**  
**ATTLEBORO, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

**3/8"**

**F.M.:**

**# 4**

**# 8**

**# 16**

**# 30**

**# 50**

**# 100**

**# 200**

**Unit Weight and Void in  
Aggregate AASHTO T-19**

**(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

**Bulk S.G. :**

**Apparent  
S.G.:**

**Bulk (SSD) :**

**Absorption:**

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

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

**Amount of Material Finer than # 200**

**Sieve in Aggregate**

**AASHTO T-11**

**%**

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**VENDOR:**  
**G. LOPES**

**VENDOR NUMBER :**  
**169**

**SOURCE:**  
**MIDDLEBORO PIT**

**LOCATION:**  
**MIDDLEBORO, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 2.40 |
|   | # 4   | 100.0 |              |      |
|   | # 8   | 91.0  |              |      |
|   | # 16  | 76.3  |              |      |
|   | # 30  | 55.6  |              |      |
|   | # 50  | 28.8  |              |      |
|   | # 100 | 8.2   |              |      |
|   | # 200 | 1.9   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

110.5 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.603               | 2.656                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.623               | 0.77                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

97.00

**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-11**                      2.6 %

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**VENDOR:**  
**PLOURDE SAND AND GRAVEL**

**VENDOR NUMBER :**  
**170**

**SOURCE:**  
**HOOKSET PIT (BLD. 3)**

**LOCATION:**  
**HOOKSET, NH**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 2.70 |
|   | # 4   | 97.1  |              |      |
|   | # 8   | 88.4  |              |      |
|   | # 16  | 72.4  |              |      |
|   | # 30  | 46.2  |              |      |
|   | # 50  | 20.8  |              |      |
|   | # 100 | 5.0   |              |      |
|   | # 200 | 0.7   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

106.5 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.639               | 2.686                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.656               | 0.66                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

94.50

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

Exactly Organic Plate # 2

**Amount of Material Finer than # 200**

**Sieve in Aggregate AASHTO T-11**      0.8 %

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**VENDOR:**  
**MATERIALS SAND and STONE**

**VENDOR NUMBER :**  
**171**

**SOURCE:**  
**POUND HILL ROAD**

**LOCATION:**  
**N. SMITHFIELD**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|              |       |              |      |
|--------------|-------|--------------|------|
| 3/8"         | 100.0 | <b>F.M.:</b> | 3.19 |
| <b># 4</b>   | 99.3  |              |      |
| <b># 8</b>   | 73.8  |              |      |
| <b># 16</b>  | 46.7  |              |      |
| <b># 30</b>  | 31.6  |              |      |
| <b># 50</b>  | 20.5  |              |      |
| <b># 100</b> | 9.1   |              |      |
| <b># 200</b> | 3.2   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

108.3 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.597               | 2.648                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.616               | 0.75                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

95.00

**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-11**      3.1 %

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**VENDOR:**  
PYNE SAND AND GRAVEL

**VENDOR NUMBER :**  
178

**SOURCE:**  
PYNE SAND and GRAVEL

**LOCATION:**  
DOUGLAS, MA

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|       |       |              |      |
|-------|-------|--------------|------|
| 3/8"  | 100.0 | <b>F.M.:</b> | 2.70 |
| # 4   | 98.5  |              |      |
| # 8   | 84.7  |              |      |
| # 16  | 69.3  |              |      |
| # 30  | 47.9  |              |      |
| # 50  | 23.6  |              |      |
| # 100 | 6.4   |              |      |
| # 200 | 1.3   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

110.3 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.619               | 2.666                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.637               | 0.66                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

97.00

**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-11** 1.1 %

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**VENDOR:**  
**BROX INDUSTRIES - DRACUT**

**VENDOR NUMBER :**  
**180**

**SOURCE:**  
**DRACUT QUARRY**

**LOCATION:**  
**DRACUT, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 3.08 |
|   | # 4   | 99.7  |              |      |
|   | # 8   | 81.1  |              |      |
|   | # 16  | 50.1  |              |      |
|   | # 30  | 31.8  |              |      |
|   | # 50  | 20.3  |              |      |
|   | # 100 | 9.3   |              |      |
|   | # 200 | 3.1   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

117.6 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.838               | 2.916                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.865               | 0.95                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

92.50

**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-11**      5.9 %

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**VENDOR:**  
**CHERENZIA**

**VENDOR NUMBER :**  
**184**

**SOURCE:**  
**WHITE ROCK ROAD**

**LOCATION:**  
**WESTERLY, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 2.78 |
|   | # 4   | 99.9  |              |      |
|   | # 8   | 85.4  |              |      |
|   | # 16  | 61.7  |              |      |
|   | # 30  | 42.3  |              |      |
|   | # 50  | 24.4  |              |      |
|   | # 100 | 8.7   |              |      |
|   | # 200 | 2.0   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

105.6 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.594               | 2.656                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.617               | 0.91                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

88.00

**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-11**      2.0 %

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**VENDOR:**  
**CARDI CORP**

**VENDOR NUMBER :**  
**192**

**SOURCE:**  
**Hopkins Hill Road**

**LOCATION:**  
**Coventry, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 2.83 |
|   | # 4   | 99.0  |              |      |
|   | # 8   | 83.1  |              |      |
|   | # 16  | 62.1  |              |      |
|   | # 30  | 42.8  |              |      |
|   | # 50  | 23.9  |              |      |
|   | # 100 | 6.6   |              |      |
|   | # 200 | 0.8   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

105.0 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.604               | 2.628                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.613               | 0.36                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

98.00

**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-11**      0.7 %

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**VENDOR:**  
**HARRY COLE CONSTRUCTION**

**VENDOR NUMBER :**  
**193**

**SOURCE:**  
**Dry Bridge Road**

**LOCATION:**  
**Exeter, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 2.64 |
|   | # 4   | 99.2  |              |      |
|   | # 8   | 92.3  |              |      |
|   | # 16  | 76.0  |              |      |
|   | # 30  | 45.6  |              |      |
|   | # 50  | 17.1  |              |      |
|   | # 100 | 5.6   |              |      |
|   | # 200 | 2.2   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

108.3 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.594               | 2.649                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.615               | 0.81                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

91.00

**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-11**      2.7 %

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**VENDOR:**  
WINDHAM MATERIALS

**VENDOR NUMBER :**  
195

**SOURCE:**  
WILLIMANTIC CT.

**LOCATION:**  
WILLIMANTIC CT.

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|              |       |              |      |
|--------------|-------|--------------|------|
| 3/8"         | 100.0 | <b>F.M.:</b> | 2.92 |
| <b># 4</b>   | 97.3  |              |      |
| <b># 8</b>   | 81.5  |              |      |
| <b># 16</b>  | 63.2  |              |      |
| <b># 30</b>  | 40.6  |              |      |
| <b># 50</b>  | 20.0  |              |      |
| <b># 100</b> | 5.2   |              |      |
| <b># 200</b> | 1.2   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

109.4 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.664               | 2.712                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.682               | 0.66                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

94.00

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

Between Organic Plate # 1 and # 2

**Amount of Material Finer than # 200  
Sieve in Aggregate AASHTO T-11**

1.1 %

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**VENDOR:**  
CAPE COD AGGREGATES

**VENDOR NUMBER :**  
196

**SOURCE:**  
BOURNE, MA

**LOCATION:**  
BOURNE, MA

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|       |       |              |      |
|-------|-------|--------------|------|
| 3/8"  | 100.0 | <b>F.M.:</b> | 3.00 |
| # 4   | 99.2  |              |      |
| # 8   | 85.5  |              |      |
| # 16  | 65.9  |              |      |
| # 30  | 34.8  |              |      |
| # 50  | 12.3  |              |      |
| # 100 | 2.0   |              |      |
| # 200 | 0.3   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

109.2 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.612               | 2.647                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.625               | 0.50                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

98.00

**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-11**      0.7 %

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**VENDOR:**  
**BYRNE S & G**

**VENDOR NUMBER :**  
**197**

**SOURCE:**

**LOCATION:**  
**Middleboro, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|   |       |       |              |      |
|---|-------|-------|--------------|------|
| - | 3/8"  | 100.0 | <b>F.M.:</b> | 2.55 |
|   | # 4   | 99.3  |              |      |
|   | # 8   | 88.9  |              |      |
|   | # 16  | 75.1  |              |      |
|   | # 30  | 52.5  |              |      |
|   | # 50  | 24.1  |              |      |
|   | # 100 | 5.0   |              |      |
|   | # 200 | 1.0   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

109.7 (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.618               | 2.668                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.637               | 0.73                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

97.00

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

Exactly Organic Plate # 1

**Amount of Material Finer than # 200**

**Sieve in Aggregate AASHTO T-11**      1.3 %

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**VENDOR:**  
**CUMBERLAND QUARRY**

**VENDOR NUMBER :**  
**198**

**SOURCE:**  
**MANVILLE HILL ROAD**

**LOCATION:**  
**CUMBERLAND, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Percent Passing**

|              |       |              |      |
|--------------|-------|--------------|------|
| 3/8"         | 100.0 | <b>F.M.:</b> | 3.65 |
| <b># 4</b>   | 98.6  |              |      |
| <b># 8</b>   | 63.7  |              |      |
| <b># 16</b>  | 33.5  |              |      |
| <b># 30</b>  | 19.3  |              |      |
| <b># 50</b>  | 12.4  |              |      |
| <b># 100</b> | 7.0   |              |      |
| <b># 200</b> | 2.8   |              |      |

**Unit Weight and Void in  
Aggregate AASHTO T-19**

105.7 **(lbs./cu. ft.)**

**Specific Gravity and Absorption  
of Fine Aggregate AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.632               | 2.698                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.656               | 0.93                      |

**Plastic Fines by Sand  
Equivalence AASHTO T-176**

84.00

**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-11**      2.8 %

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**VENDOR:** CARDI CORP (ASPHALT SAND)                      **VENDOR NUMBER :** 202  
**SOURCE:** HOPKIN HILL ROAD                                      **LOCATION:** COVENTRY, RI

| Sieve Analysis of Fine and<br>Coarse Aggregate    AASHTO T-27 | Percent Passing |       |       |      |
|---|-----------------|-------|-------|------|
|   | 3/8"            | 100.0 | F.M.: | 3.37 |
|   | # 4             | 97.7  |       |      |
|   | # 8             | 66.2  |       |      |
|   | # 16            | 40.7  |       |      |
|   | # 30            | 27.2  |       |      |
|   | # 50            | 19.8  |       |      |
|   | # 100           | 11.5  |       |      |
|   | # 200           | 3.4   |       |      |

**Unit Weight and Void in  
Aggregate    AASHTO T-19**                      111.9    (lbs./cu. ft.)

**Specific Gravity and Absorption  
of Fine Aggregate    AASHTO T-84**

|                     |                           |
|---------------------|---------------------------|
| <b>Bulk S.G. :</b>  | <b>Apparent<br/>S.G.:</b> |
| 2.601               | 2.629                     |
| <b>Bulk (SSD) :</b> | <b>Absorption:</b>        |
| 2.612               | 0.40                      |

**Plastic Fines by Sand  
Equivalence    AASHTO T-176**                      97.00

**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-11**                      3.2 %

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