

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

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**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
J.H. LYNCH

VENDOR NUMBER :
103

SOURCE:
FIRST STREET QUARRY

LOCATION:
CUMBERLAND, RI

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 3.71 |
| | # 4 | 84.2 | | |
| | # 8 | 60.5 | | |
| | # 16 | 37.3 | | |
| | # 30 | 23.8 | | |
| | # 50 | 15.3 | | |
| | # 100 | 9.7 | | |
| | # 200 | 5.9 | | |

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

117.9 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.736 | 2.817 |
| Bulk (SSD) : | Absorption: |
| 2.765 | 1.05 |

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

90.50

**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**

6.8 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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

| | | | | |
|---|-------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 3.30 |
| | # 4 | 96.7 | | |
| | # 8 | 68.7 | | |
| | # 16 | 45.4 | | |
| | # 30 | 30.8 | | |
| | # 50 | 19.5 | | |
| | # 100 | 9.1 | | |
| | # 200 | 3.5 | | |

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

116.7 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.785 | 2.826 |
| Bulk (SSD) : | Absorption: |
| 2.799 | 0.52 |

**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 3.4 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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 | F.M.: | 2.78 |
| | # 4 | 100.0 | | |
| | # 8 | 89.1 | | |
| | # 16 | 63.2 | | |
| | # 30 | 39.8 | | |
| | # 50 | 20.9 | | |
| | # 100 | 8.7 | | |
| | # 200 | 2.6 | | |

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

111.2 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.607 | 2.661 |
| Bulk (SSD) : | Absorption: |
| 2.627 | 0.77 |

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

93.50

**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**

2.4 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
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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 | F.M.: | 2.97 |
| | # 4 | 100.0 | | |
| | # 8 | 82.2 | | |
| | # 16 | 56.2 | | |
| | # 30 | 36.7 | | |
| | # 50 | 20.5 | | |
| | # 100 | 7.5 | | |
| | # 200 | 1.7 | | |

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

105.6 (lbs./cu. ft.)

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

| | |
|---------------------|--------------------|
| Bulk S.G. : | Apparent |
| 2.621 | S.G.: 2.652 |
| Bulk (SSD) : | Absorption: |
| 2.633 | 0.44 |

**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**

1.6 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
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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 | F.M.: | 2.76 |
| | # 4 | 99.3 | | |
| | # 8 | 89.7 | | |
| | # 16 | 74.2 | | |
| | # 30 | 45.9 | | |
| | # 50 | 13.0 | | |
| | # 100 | 1.5 | | |
| | # 200 | 0.2 | | |

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

107.9 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.613 | 2.643 |
| Bulk (SSD) : | Absorption: |
| 2.624 | 0.44 |

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

100.00

**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**

0.1 %

**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 | F.M.: | 3.04 |
| | # 4 | 99.9 | | |
| | # 8 | 84.3 | | |
| | # 16 | 58.7 | | |
| | # 30 | 33.5 | | |
| | # 50 | 14.9 | | |
| | # 100 | 4.7 | | |
| | # 200 | 1.2 | | |

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

108.6 (lbs./cu. ft.)

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

| | |
|---------------------|--------------------|
| Bulk S.G. : | Apparent |
| 2.595 | S.G.: 2.647 |
| Bulk (SSD) : | Absorption: |
| 2.615 | 0.75 |

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

94.00

**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**

1.4 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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 | F.M.: | 2.56 |
| | # 4 | 98.5 | | |
| | # 8 | 90.3 | | |
| | # 16 | 76.3 | | |
| | # 30 | 53.4 | | |
| | # 50 | 21.9 | | |
| | # 100 | 4.0 | | |
| | # 200 | 0.9 | | |

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

109.8 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.606 | 2.667 |
| Bulk (SSD) : | Absorption: |
| 2.629 | 0.89 |

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

91.00

**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**

1.4 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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 | F.M.: | 2.93 |
| | # 4 | 97.9 | | |
| | # 8 | 87.6 | | |
| | # 16 | 67.0 | | |
| | # 30 | 37.8 | | |
| | # 50 | 13.8 | | |
| | # 100 | 3.2 | | |
| | # 200 | 0.4 | | |

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

107.5 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.657 | 2.695 |
| Bulk (SSD) : | Absorption: |
| 2.671 | 0.54 |

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

96.00

**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**

0.6 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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VENDOR:
WILLIAM E. DAILEY, INC.

VENDOR NUMBER :
173

SOURCE:
SHAFTESBURY, VT

LOCATION:
SHAFTESBURY, VT

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.91 |
| | # 4 | 99.6 | | |
| | # 8 | 90.9 | | |
| | # 16 | 59.7 | | |
| | # 30 | 34.3 | | |
| | # 50 | 17.0 | | |
| | # 100 | 7.3 | | |
| | # 200 | 2.8 | | |

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

112.8 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.663 | 2.731 |
| Bulk (SSD) : | Absorption: |
| 2.688 | 0.93 |

**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 2.8 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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 | F.M.: | 2.69 |
| | # 4 | 98.7 | | |
| | # 8 | 84.0 | | |
| | # 16 | 66.9 | | |
| | # 30 | 49.8 | | |
| | # 50 | 26.5 | | |
| | # 100 | 5.0 | | |
| | # 200 | 1.2 | | |

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

108.7 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.615 | 2.677 |
| Bulk (SSD) : | Absorption: |
| 2.638 | 0.89 |

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

93.00

**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 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
AGG. IND. - WRENTHAM

VENDOR NUMBER :
179

SOURCE:
GREEN ST. QUARRY

LOCATION:
WRENTHAM, MA

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 3.13 |
| | # 4 | 99.0 | | |
| | # 8 | 78.4 | | |
| | # 16 | 50.4 | | |
| | # 30 | 31.7 | | |
| | # 50 | 18.6 | | |
| | # 100 | 9.1 | | |
| | # 200 | 3.3 | | |

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

108.6 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.625 | 2.667 |
| Bulk (SSD) : | Absorption: |
| 2.641 | 0.60 |

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

84.50

**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**

3.6 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
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VENDOR:
YORK BUILDING PRODUCTS

VENDOR NUMBER :
181

SOURCE:
Belvedere, MD

LOCATION:
Belvedere, MD

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.75 |
| | # 4 | 99.1 | | |
| | # 8 | 85.7 | | |
| | # 16 | 69.6 | | |
| | # 30 | 49.0 | | |
| | # 50 | 18.8 | | |
| | # 100 | 3.0 | | |
| | # 200 | 0.6 | | |

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

104.9 (lbs./cu. ft.)

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

| | |
|---------------------|--------------------|
| Bulk S.G. : | Apparent |
| 2.593 | S.G.: 2.641 |
| Bulk (SSD) : | Absorption: |
| 2.611 | 0.70 |

**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**

0.8 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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 | F.M.: | 2.87 |
| | # 4 | 99.6 | | |
| | # 8 | 80.8 | | |
| | # 16 | 58.2 | | |
| | # 30 | 40.7 | | |
| | # 50 | 24.1 | | |
| | # 100 | 9.0 | | |
| | # 200 | 2.1 | | |

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

107.3 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.627 | 2.656 |
| Bulk (SSD) : | Absorption: |
| 2.638 | 0.42 |

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

93.00

**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 2.2 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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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 | F.M.: | 2.68 |
| | # 4 | 99.6 | | |
| | # 8 | 87.0 | | |
| | # 16 | 67.3 | | |
| | # 30 | 47.0 | | |
| | # 50 | 24.2 | | |
| | # 100 | 6.6 | | |
| | # 200 | 1.0 | | |

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

104.4 (lbs./cu. ft.)

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

| | |
|---------------------|--------------------|
| Bulk S.G. : | Apparent |
| 2.598 | S.G.: 2.632 |
| Bulk (SSD) : | Absorption: |
| 2.611 | 0.50 |

**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**

1.0 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
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VENDOR:
Cumberland Quarry Corp.

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 | F.M.: | 3.37 |
| | # 4 | 99.8 | | |
| | # 8 | 72.8 | | |
| | # 16 | 43.1 | | |
| | # 30 | 25.8 | | |
| | # 50 | 14.5 | | |
| | # 100 | 6.5 | | |
| | # 200 | 2.9 | | |

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

115.0 (lbs./cu. ft.)

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

| | |
|---------------------|--------------------|
| Bulk S.G. : | Apparent |
| 2.845 | S.G.: 2.926 |
| Bulk (SSD) : | Absorption: |
| 2.873 | 0.97 |

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

90.00

**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 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
ATTLEBORO S & G (STONE SAND)

VENDOR NUMBER :
200

SOURCE:
ATTLEBORO PIT

LOCATION:
ATTLEBORE, MA.

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 3.00 |
| | # 4 | 99.0 | | |
| | # 8 | 83.4 | | |
| | # 16 | 59.5 | | |
| | # 30 | 37.6 | | |
| | # 50 | 16.8 | | |
| | # 100 | 4.0 | | |
| | # 200 | 1.3 | | |

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

109.4 (lbs./cu. ft.)

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

| | |
|---------------------|--------------------|
| Bulk S.G. : | Apparent |
| 2.650 | S.G.: 2.730 |
| Bulk (SSD) : | Absorption: |
| 2.679 | 1.11 |

**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**

2.3 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
T.L. EDWARDS

VENDOR NUMBER :
201

SOURCE:
PLYMOUTH, MA

LOCATION:
PLYMOUTH, MA

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.50 |
| | # 4 | 99.4 | | |
| | # 8 | 90.8 | | |
| | # 16 | 76.9 | | |
| | # 30 | 52.2 | | |
| | # 50 | 25.5 | | |
| | # 100 | 5.5 | | |
| | # 200 | 0.6 | | |

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

110.3 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.619 | 2.648 |
| Bulk (SSD) : | Absorption: |
| 2.630 | 0.42 |

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

96.00

**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**

0.6 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
CARDI CORP. (ASPHALT Sand)

VENDOR NUMBER :
202

SOURCE:
HOPKINS HILL ROAD

LOCATION:
COVENTRY, RI

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 3.35 |
| | # 4 | 97.6 | | |
| | # 8 | 65.4 | | |
| | # 16 | 42.4 | | |
| | # 30 | 30.4 | | |
| | # 50 | 20.7 | | |
| | # 100 | 8.8 | | |
| | # 200 | 1.9 | | |

**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.: |
| 2.604 | 2.636 |
| Bulk (SSD) : | Absorption: |
| 2.616 | 0.46 |

**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 2.0 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
GREENVILLE S & G

VENDOR NUMBER :
203

SOURCE:
SMITHFIELD, RI

LOCATION:
SMITHFIELD, RI

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.78 |
| | # 4 | 95.4 | | |
| | # 8 | 80.5 | | |
| | # 16 | 64.4 | | |
| | # 30 | 46.1 | | |
| | # 50 | 25.6 | | |
| | # 100 | 10.4 | | |
| | # 200 | 4.5 | | |

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

111.4 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.591 | 2.646 |
| Bulk (SSD) : | Absorption: |
| 2.612 | 0.81 |

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

91.48

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

Between Organic Plate # 3 and # 4

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

4.6 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
J R SLAW

VENDOR NUMBER :
204

SOURCE:
CLAYTON

LOCATION:
LEHIGHTON, PA

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

Percent Passing

| | | | | |
|---|-------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.48 |
| | # 4 | 99.1 | | |
| | # 8 | 94.7 | | |
| | # 16 | 81.1 | | |
| | # 30 | 55.6 | | |
| | # 50 | 19.1 | | |
| | # 100 | 2.5 | | |
| | # 200 | 0.2 | | |

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

105.6 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.614 | 2.637 |
| Bulk (SSD) : | Absorption: |
| 2.623 | 0.32 |

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

97.70

**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 0.4 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
COPAR QUARRIES

VENDOR NUMBER :
205

SOURCE:

LOCATION:
BRADFORD, RI

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

Percent Passing

| | | | | |
|---|--------------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.77 |
| | # 4 | 97.8 | | |
| | # 8 | 77.9 | | |
| | # 16 | 60.4 | | |
| | # 30 | 43.6 | | |
| | # 50 | 28.1 | | |
| | # 100 | 15.2 | | |
| | # 200 | 8.1 | | |

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

112.1 (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 8.9 %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS RESULTS - 2011**

VENDOR:
VULCAN MATERIALS

VENDOR NUMBER :
206

SOURCE:
PUDDLEDOCK

LOCATION:

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

Percent Passing

| | | | | |
|---|-------|-------|--------------|------|
| - | 3/8" | 100.0 | F.M.: | 2.94 |
| | # 4 | 99.8 | | |
| | # 8 | 93.1 | | |
| | # 16 | 71.5 | | |
| | # 30 | 32.4 | | |
| | # 50 | 7.3 | | |
| | # 100 | 1.5 | | |
| | # 200 | 0.4 | | |

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

102.0 (lbs./cu. ft.)

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

| | |
|---------------------|---------------------------|
| Bulk S.G. : | Apparent S.G.: |
| 2.556 | 2.618 |
| Bulk (SSD) : | Absorption: |
| 2.580 | 0.93 |

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

93.00

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

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

1.1 %