

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS REPORT - 2015**

Vendor: J.H. LYNCH Lab No: 20150103
 Source: FIRST STREET QUARRY 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	99.7	80.5	48.6	30.6	20.5	13.4	8.9	3.07

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 121.17 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.891 Apparent S.G.: 2.946
 Bulk (SSD): 2.910 Absorption: 0.64

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 - 2015**

Vendor: PJ KEATING - CRANSTON Lab No: 20150110
 Source: PHENIX AVE. Location: CRANSTON, 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	75.7	47.9	28.6	16.1	6.1	2.5	3.26

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 109.03 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.650 Apparent S.G.: 2.693
 Bulk (SSD): 2.666 Absorption: 0.60

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 - 2015**

Vendor: DRY BRIDGE SAND and STONE Lab No: 20150113
 Source: SLOCUM PIT Location: N. KINGSTOWN, RI

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	98.2	84.7	67.1	45.4	23.9	7.8	1.0	2.73

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 110.25 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.612 Apparent S.G.: 2.652
 Bulk (SSD): 2.627 Absorption: 0.58

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 - 2015**

Vendor: CHERENZIA Lab No: 20150123
 Source: OLD HOPKINTON RD. QUARRY Location: WESTERLY, RI

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	99.4	83.2	55.5	35.3	20.5	8.7	2.5	2.97

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 107.80 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.600 Apparent S.G.: 2.642
 Bulk (SSD): 2.616 Absorption: 0.60

Plastic Fines by Sand Equivalence

AASHTO T-176

Plastic Fines: 90.50

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 - 2015**

Vendor: RICHMOND SAND and GRAVEL Lab No: 20150125
 Source: STILSON ROAD PIT Location: RICHMOND, RI

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

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	97.6	85.7	74.6	53.9	28.0	8.6	1.5	2.52

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

Unit Weight: 103.43 (lbs./cu. ft.)

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

Bulk S.G.: 2.632 Apparent S.G.: 2.662
 Bulk (SSD): 2.644 Absorption: 0.42

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 - 2015**

Vendor: PJ KEATING - ACUSHNET Lab No: 20150135
 Source: ACUSHNET QUARRY Location: ACUSHNET, MA

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	98.7	70.0	43.4	27.9	17.5	7.7	3.2	3.35

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 110.60 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.644 Apparent S.G.: 2.699
 Bulk (SSD): 2.665 Absorption: 0.77

Plastic Fines by Sand Equivalence

AASHTO T-176

Plastic Fines: 87.00

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 - 2015**

Vendor: LYNCH - TIVERTON Lab No: 20150141
 Source: FISH ROAD QUARRY Location: TIVERTON

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	97.8	69.8	46.5	32.2	21.8	13.5	8.2	3.18

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 112.44 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.604 Apparent S.G.: 2.651
 Bulk (SSD): 2.621 Absorption: 0.68

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 - 2015**

Vendor: SOUTH COUNTY S & G Lab No: 20150148
 Source: CHARLESTOWN PIT Location: CHARLESTOWN, RI

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

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	100.0	85.0	61.2	36.5	18.7	6.8	1.7	2.92

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

Unit Weight: 108.79 (lbs./cu. ft.)

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

Bulk S.G.: 2.595 Apparent S.G.: 2.642
 Bulk (SSD): 2.613 Absorption: 0.68

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 - 2015**

Vendor: G. LOPES Lab No: 20150169
 Source: MIDDLEBORO PIT Location: MIDDLEBORO, MA

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	99.6	86.2	68.8	46.7	22.6	6.2	1.6	2.70

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 110.63 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.617 Apparent S.G.: 2.670
 Bulk (SSD): 2.637 Absorption: 0.77

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 - 2015**

Vendor: MATERIALS SAND and STONE Lab No: 20150171
 Source: POUND HILL ROAD Location: N. SMITHFIELD

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	99.6	74.6	48.9	33.3	21.4	9.1	3.0	3.13

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 109.30 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.598 Apparent S.G.: 2.648
 Bulk (SSD): 2.617 Absorption: 0.73

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 - 2015**

Vendor: J.P. CARRARA Lab No: 20150172
 Source: MIDDLEBURY, VT Location: MIDDLEBURY, VT

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

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	95.7	82.2	64.5	41.5	18.1	5.1	1.3	2.93

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

Unit Weight: 110.35 (lbs./cu. ft.)

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

Bulk S.G.: 2.604 Apparent S.G.: 2.657
 Bulk (SSD): 2.624 Absorption: 0.77

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 - 2015**

Vendor: PYNE SAND AND GRAVEL Lab No: 20150178
 Source: PYNE SAND and GRAVEL Location: DOUGLAS, MA

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	98.1	82.3	64.1	44.2	24.0	5.2	1.1	2.82

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 109.06 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.612 Apparent S.G.: 2.659
 Bulk (SSD): 2.630 Absorption: 0.68

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 - 2015**

Vendor: CHERENZIA Lab No: 20150184
 Source: WHITE ROCK ROAD Location: WESTERLY, RI

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

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	100.0	82.8	59.1	39.4	22.3	7.7	1.7	2.89

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

Unit Weight: 105.37 (lbs./cu. ft.)

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

Bulk S.G.: 2.597 Apparent S.G.: 2.654
 Bulk (SSD): 2.619 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**

_____ %

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS AND QUALITY ASSURANCE
FINE AGGREGATE ANALYSIS REPORT - 2015**

Vendor: CARDI CORP Lab No: 20150192
 Source: Hopkins Hill Road Location: Coventry, 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	83.9	64.5	46.8	28.3	7.8	0.9	2.69

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

Unit Weight: 104.80 (lbs./cu. ft.)

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

Bulk S.G.: 2.603 Apparent S.G.: 2.630
 Bulk (SSD): 2.613 Absorption: 0.40

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 - 2015**

Vendor: HARRY COLE CONSTRUCTION Lab No: 20150193
 Source: Dry Bridge Road Location: Exeter, RI

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	98.9	90.9	74.9	49.8	32.0	14.3	4.5	2.39

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 113.84 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.612 Apparent S.G.: 2.652
 Bulk (SSD): 2.627 Absorption: 0.58

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 - 2015**

Vendor: CAPE COD AGGREGATES Lab No: 20150196
 Source: BOURNE, MA Location: BOURNE, MA

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	97.5	85.6	70.2	41.6	15.7	2.2	0.3	2.87

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 110.12 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.609 Apparent S.G.: 2.642
 Bulk (SSD): 2.621 Absorption: 0.48

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 - 2015**

Vendor: CUMBERLAND QUARRY Lab No: 20150198
 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	98.6	68.7	39.9	22.9	13.2	6.2	2.8	3.50

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

Unit Weight: 111.62 (lbs./cu. ft.)

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

Bulk S.G.: 2.746 Apparent S.G.: 2.821
 Bulk (SSD): 2.773 Absorption: 0.97

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 - 2015**

Vendor: ARMETTA SAND & STONE Lab No: 20150205
 Source: BRADFORD, RI Location: BRADFORD, RI

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	99.8	91.7	69.3	42.8	19.2	4.2	1.0	2.73

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 102.85 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.614 Apparent S.G.: 2.644
 Bulk (SSD): 2.625 Absorption: 0.42

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 - 2015**

Vendor: P.A. LANDERS Lab No: 20150212
 Source: HANOVER PIT Location: HANOVER, MA.

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

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	98.6	93.1	80.0	47.5	17.2	2.4	0.3	2.61

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

Unit Weight: 108.12 (lbs./cu. ft.)

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

Bulk S.G.: 2.612 Apparent S.G.: 2.641
 Bulk (SSD): 2.623 Absorption: 0.42

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 - 2015**

Vendor: BROOKLYN S & G Lab No: 20150214
 Source: WAREGAN RD PIT Location: BROOKLYN CONN

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

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	95.7	79.3	66.5	54.0	34.8	10.5	1.7	2.59

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

Unit Weight: 110.23 (lbs./cu. ft.)

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

Bulk S.G.: 2.643 Apparent S.G.: 2.683
 Bulk (SSD): 2.658 Absorption: 0.56

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 - 2015**

Vendor: DE CATO Lab No: 20150216
 Source: LOUDON, NH Location: LOUDON, NH

Sieve Analysis of Fine Aggregate

AASHTO T-27

	3/8"	# 4	# 8	# 16	# 30	# 50	# 100	# 200	F.M.:
Percent Passing :	100.0	97.5	89.3	73.0	37.9	17.1	8.2	2.2	2.77

Unit Weight and Void in Aggregate

AASHTO T-19

Unit Weight: 109.49 (lbs./cu. ft.)

Specific Gravity and Absorption of Fine Aggregate

AASHTO T-84

Bulk S.G.: 2.636 Apparent S.G.: 2.686
 Bulk (SSD): 2.655 Absorption: 0.70

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

_____ %