

COARSE AGGREGATE RESULTS - 2009

VENDOR:
AGGREGATE INDUSTRIES

SOURCE:
GREEN STREET QUARRY

LOCATION:
WRENTHAM, MA

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

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	84.4	100.0	100.0
1/2"	8.7	84.2	100.0
3/8"	1.6	28.9	96.9
#4	1.0	1.7	39.9
#8	0.9	1.4	5.6

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

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

1 1/2"	
1"	
3/4"	94.41
1/2"	93.22
3/8"	91.41

**Resistance to Abrasion of Small
 Size Coarse Aggregate by use of
 the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	19.55
Run # 2		

COARSE AGGREGATE RESULTS - 2009

VENDOR:**AGGREGATE INDUSTRIES****SOURCE:****GREEN STREET QUARRY****LOCATION:****WRENTHAM, MA****Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.660	2.658	2.660
Specific Gravity (S.S.D.):	2.669	2.669	2.675
Apparent Specific Gravity:	2.684	2.688	2.700
Absorption:	0.34	0.42	0.56

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.20
1/2" - 3/8"	0.21
3/8" - # 4	
# 4 - # 8	

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve****(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
SM - LO RUSSO

SOURCE:
ELYSIUM QUARRY

LOCATION:
WRENTHAM, MA.

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	88.2	100.0	100.0
1/2"	19.8	96.4	100.0
3/8"	2.2	16.2	98.4
#4	1.1	1.1	18.2
#8	0.8	0.8	1.0

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	90.25
1/2"	89.36
3/8"	89.04

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	15.47
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
SM - LO RUSSO

SOURCE:
ELYSIUM QUARRY

LOCATION:
WRENTHAM, MA.

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.667	2.645	2.657
Specific Gravity (S.S.D.):	2.677	2.664	2.671
Apparent Specific Gravity:	2.694	2.695	2.694
Absorption:	0.38	0.69	0.51

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.53
1/2" - 3/8"	0.62
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
J.H. LYNCH

SOURCE:
FIRST ST. QUARRY

LOCATION:
CUMBERLAND, RI

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	94.0	100.0	100.0
1/2"	44.9	82.1	99.0
3/8"	14.7	28.8	87.7
#4	1.6	1.9	19.4
#8	1.3	1.5	3.1

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	103.33
1/2"	97.44
3/8"	89.14

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	11.91
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
J.H. LYNCH

SOURCE:
FIRST ST. QUARRY

LOCATION:
CUMBERLAND, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.846	2.851	2.734
Specific Gravity (S.S.D.):	2.854	2.862	2.750
Apparent Specific Gravity:	2.869	2.882	2.778
Absorption:	0.28	0.38	0.58

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.40
1/2" - 3/8"	0.76
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

D'AMBRA - RICO

SOURCE:

RT. 2 QUARRY

LOCATION:

EXETER, RI

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

Nominal Aggregate Size

% Passing

2"

1 1/2"

1"

3/4"

1/2"

3/8"

#4

#8

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

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

1 1/2"

1"

3/4" 91.44

1/2" 88.71

3/8" 91.51

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1 B

Run # 2 B

COARSE AGGREGATE RESULTS - 2009

VENDOR:

D'AMBRA - RICO

SOURCE:

RT. 2 QUARRY

LOCATION:

EXETER, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:

Specific Gravity (S.S.D.):

Apparent Specific Gravity:

Absorption:

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:

% LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

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

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2009

VENDOR:
PJ KEATING

SOURCE:
PHENIX AVENUE QUARRY

LOCATION:
CRANSTON, RI

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	83.0	100.0	100.0
1/2"	13.0	85.8	100.0
3/8"	3.4	28.9	86.9
#4	1.4	3.1	8.1
#8	1.0	1.6	2.0

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	95.90
1/2"	95.90
3/8"	93.68

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	25.31
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
PJ KEATING

SOURCE:
PHENIX AVENUE QUARRY

LOCATION:
CRANSTON, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.705	2.731	2.729
Specific Gravity (S.S.D.):	2.716	2.743	2.747
Apparent Specific Gravity:	2.734	2.765	2.777
Absorption:	0.40	0.45	0.63

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.37
1/2" - 3/8"	0.50
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

**DRY BRIDGE SAND and
STONE**

SOURCE:

SLOCUM PIT

LOCATION:

NORTH KINGSTOWN, RI

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

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	99.2	100.0	100.0
3/4"	76.8	100.0	100.0
1/2"	7.2	70.9	100.0
3/8"	1.4	7.2	90.4
#4	0.9	1.4	34.1
#8	0.7	1.0	3.8

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

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

1 1/2"	
1"	
3/4"	97.38
1/2"	97.68
3/8"	95.76

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	34.13
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

**DRY BRIDGE SAND and
STONE**

SOURCE:

SLOCUM PIT

LOCATION:

NORTH KINGSTOWN, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.619	2.617	2.598
Specific Gravity (S.S.D.):	2.638	2.639	2.628
Apparent Specific Gravity:	2.671	2.677	2.679
Absorption:	0.75	0.85	1.16

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.73
1/2" - 3/8"	0.90
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
CONSTRUCTION MATERIALS

SOURCE:
FISH ROAD QUARRY

LOCATION:
TIVERTON, RI

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	71.4	100.0
1/2"	22.7	100.0
3/8"	6.3	92.6
#4	2.2	16.4
#8	1.6	6.7

Unit Weight and Void in Aggregate AASHTO T-19

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

1 1/2"	
1"	
3/4"	92.93
1/2"	
3/8"	95.56

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	42.20
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
CONSTRUCTION MATERIALS

SOURCE:
FISH ROAD QUARRY

LOCATION:
TIVERTON, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.621	2.608
Specific Gravity (S.S.D.):	2.636	2.626
Apparent Specific Gravity:	2.660	2.656
Absorption:	0.55	0.70

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.80
1/2" - 3/8"	1.52
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

RAWSON SAND and GRAVEL

SOURCE:

CHASE PIT

LOCATION:

PUTNAM, CT

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	98.0	100.0	100.0
1/2"	14.2	76.3	100.0
3/8"	3.6	38.0	97.6
#4	1.5	5.8	17.0
#8	1.1	2.1	1.9

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	94.41
1/2"	97.38
3/8"	93.29

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	32.14
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

RAWSON SAND and GRAVEL

SOURCE:

CHASE PIT

LOCATION:

PUTNAM, CT

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.611	2.607	2.611
Specific Gravity (S.S.D.):	2.632	2.631	2.642
Apparent Specific Gravity:	2.667	2.671	2.694
Absorption:	0.81	0.92	1.17

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.64
1/2" - 3/8"	1.86
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
PJ KEATING

SOURCE:
SOUTH MAIN ST. QUARRY

LOCATION:
ACUSHNET, MA

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	89.5	100.0
1/2"	23.4	92.0
3/8"	5.6	29.7
#4	2.4	2.1
#8	2.1	1.7

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	100.36
1/2"	98.87
3/8"	

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	25.08
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
PJ KEATING

SOURCE:
SOUTH MAIN ST. QUARRY

LOCATION:
ACUSHNET, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.800	2.777
Specific Gravity (S.S.D.):	2.815	2.792
Apparent Specific Gravity:	2.843	2.820
Absorption:	0.54	0.55

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.26
1/2" - 3/8"	1.26
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:**BROX INDUSTRIES - HUDSON****SOURCE:****HUDSON QUARRY****LOCATION:****HUDSON, NH****Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	99.6	100.0
3/4"	96.8	100.0
1/2"	28.4	97.9
3/8"	15.0	60.7
#4	5.6	5.7
#8	3.0	2.5

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

1 1/2"	
1"	
3/4"	92.93
1/2"	91.44
3/8"	91.61

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	39.63
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
BROX INDUSTRIES - HUDSON

SOURCE:
HUDSON QUARRY

LOCATION:
HUDSON, NH

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.589	2.573	2.575
Specific Gravity (S.S.D.):	2.610	2.600	2.605
Apparent Specific Gravity:	2.645	2.646	2.656
Absorption:	0.82	1.07	1.19

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.48
1/2" - 3/8"	1.10
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:**BROX INDUSTRIES - DRACUT****SOURCE:****DRACUT QUARRY****LOCATION:****DRACUT, MA****Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	97.7	100.0	100.0
1/2"	46.7	95.7	100.0
3/8"	15.8	37.2	97.3
#4	3.6	2.2	31.7
#8	2.3	1.8	4.2

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

1 1/2"	
1"	
3/4"	103.33
1/2"	103.33
3/8"	100.20

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	15.52
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
BROX INDUSTRIES - DRACUT

SOURCE:
DRACUT QUARRY

LOCATION:
DRACUT, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.886	2.900	2.877
Specific Gravity (S.S.D.):	2.895	2.909	2.893
Apparent Specific Gravity:	2.911	2.927	2.922
Absorption:	0.29	0.32	0.54

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.35
1/2" - 3/8"	0.42
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

J.S. LANE & SON - WESTFIELD

SOURCE:

WESTFIELD QUARRY

LOCATION:

WESTFIELD, MA

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	94.3	100.0	100.0
1/2"	23.8	97.0	100.0
3/8"	5.0	37.8	96.7
#4	0.6	1.6	29.6
#8	0.4	0.6	2.3

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	97.38
1/2"	101.84
3/8"	77.49

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	11.36
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

J.S. LANE & SON - WESTFIELD

SOURCE:

WESTFIELD QUARRY

LOCATION:

WESTFIELD, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.878	2.906	2.920
Specific Gravity (S.S.D.):	2.894	2.923	2.944
Apparent Specific Gravity:	2.925	2.957	2.990
Absorption:	0.56	0.59	0.81

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.40
1/2" - 3/8"	2.07
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve**
(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2009

VENDOR:
ABREAU PROPERTIES

SOURCE:

LOCATION:
BERKLEY, MA

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

Nominal Aggregate Size

% Passing

2"

1 1/2"

1"

3/4"

1/2"

3/8"

#4

#8

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

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

1 1/2"

1"

3/4" 100.36

1/2" 98.87

3/8"

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1 B

Run # 2 B

COARSE AGGREGATE RESULTS - 2009

VENDOR:
ABREAU PROPERTIES

SOURCE:

LOCATION:
BERKLEY, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:

Specific Gravity (S.S.D.):

Apparent Specific Gravity:

Absorption:

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:

% LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

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

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2009

VENDOR:

MORSE SAND and GRAVEL

SOURCE:

ATTLEBORO PIT

LOCATION:

ATTLEBORO, MA

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	88.5	100.0
1/2"	27.3	100.0
3/8"	6.1	98.7
#4	1.0	34.2
#8	0.8	3.0

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	95.01
1/2"	
3/8"	93.09

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	13.42
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

MORSE SAND and GRAVEL

SOURCE:

ATTLEBORO PIT

LOCATION:

ATTLEBORO, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.742	2.729
Specific Gravity (S.S.D.):	2.757	2.752
Apparent Specific Gravity:	2.783	2.794
Absorption:	0.53	0.86

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.10
1/2" - 3/8"	0.39
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
CHERENZIA

SOURCE:
OLD HOPKINTON RD. QUARRY

LOCATION:
WESTERLY, RI

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

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	95.7	100.0	100.0
1/2"	14.7	91.4	100.0
3/8"	4.5	30.0	99.8
#4	1.8	2.0	54.5
#8	1.1	1.4	9.4

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

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

1 1/2"	
1"	
3/4"	94.41
1/2"	94.41
3/8"	93.68

**Resistance to Abrasion of Small
 Size Coarse Aggregate by use of
 the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	29.04
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
CHERENZIA

SOURCE:
OLD HOPKINTON RD. QUARRY

LOCATION:
WESTERLY, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.627	2.630	2.605
Specific Gravity (S.S.D.):	2.642	2.644	2.628
Apparent Specific Gravity:	2.668	2.668	2.668
Absorption:	0.58	0.54	0.90

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.12
1/2" - 3/8"	2.83
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

**SOUTH COUNTY SAND and
GRAVEL**

SOURCE:

CHARLESTON PIT

LOCATION:

CHARLESTON, RI

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

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	92.8	100.0	100.0
1/2"	19.3	77.7	100.0
3/8"	4.5	12.9	96.6
#4	1.9	2.1	31.0
#8	1.5	1.5	4.0

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

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

1 1/2"	
1"	
3/4"	95.90
1/2"	94.41
3/8"	92.40

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	47.64
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

**SOUTH COUNTY SAND and
GRAVEL**

SOURCE:

CHARLESTON PIT

LOCATION:

CHARLESTON, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.580	2.584	2.584
Specific Gravity (S.S.D.):	2.600	2.604	2.609
Apparent Specific Gravity:	2.632	2.638	2.651
Absorption:	0.78	0.80	0.98

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.96
1/2" - 3/8"	2.46
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

TILCON - NEW BRITAIN

SOURCE:

NEW BRITAIN QUARRY

LOCATION:

PLAINVILLE, CT

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	98.8	100.0	100.0
1/2"	42.0	90.3	99.7
3/8"	16.0	39.8	93.0
#4	2.8	2.0	17.5
#8	1.3	1.1	3.3

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	103.60
1/2"	101.84
3/8"	100.10

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	10.78
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

TILCON - NEW BRITAIN

SOURCE:

NEW BRITAIN QUARRY

LOCATION:

PLAINVILLE, CT

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.935	2.913	2.930
Specific Gravity (S.S.D.):	2.950	2.939	2.956
Apparent Specific Gravity:	2.980	2.990	3.010
Absorption:	0.52	0.88	0.91

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.19
1/2" - 3/8"	0.28
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:

WESTPORT SAND and STONE

SOURCE:

R.C. MELVILLE PIT

LOCATION:

WESTPORT, MA

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	99.2	100.0
3/4"	86.7	100.0
1/2"	32.3	100.0
3/8"	7.8	95.8
#4	1.8	23.3
#8	1.5	3.6

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	95.90
1/2"	
3/8"	94.57

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	34.56
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

WESTPORT SAND and STONE

SOURCE:

R.C. MELVILLE PIT

LOCATION:

WESTPORT, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.603	2.597
Specific Gravity (S.S.D.):	2.622	2.623
Apparent Specific Gravity:	2.653	2.665
Absorption:	0.73	0.98

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	0.77
3/4" - 1/2"	2.01
1/2" - 3/8"	
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2009

VENDOR:

CHERENZIA-WHITE ROCK

SOURCE:

WHITE ROCK QUARRY

LOCATION:

WESTERLY, RI

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	96.6	100.0	100.0
1/2"	22.6	88.3	100.0
3/8"	8.2	17.0	96.4
#4	2.9	1.7	27.8
#8	2.0	1.3	4.7

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	91.44
1/2"	91.44
3/8"	92.40

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	40.67
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:

CHERENZIA-WHITE ROCK

SOURCE:

WHITE ROCK QUARRY

LOCATION:

WESTERLY, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.608	2.604	2.604
Specific Gravity (S.S.D.):	2.624	2.623	2.627
Apparent Specific Gravity:	2.651	2.653	2.665
Absorption:	0.62	0.71	0.89

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	1.90
1/2" - 3/8"	4.01
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
CARDI CORP.

SOURCE:
Hopkins Hill Road

LOCATION:
Coventry, RI

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	97.7	100.0
1/2"	16.9	89.0
3/8"	2.3	25.5
#4	1.1	1.8
#8	0.9	1.2

Unit Weight and Void in Aggregate AASHTO T-19

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

1 1/2"	
1"	
3/4"	91.44
1/2"	91.44
3/8"	

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	29.30
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
CARDI CORP.

SOURCE:
Hopkins Hill Road

LOCATION:
Coventry, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.606	2.607	2.595
Specific Gravity (S.S.D.):	2.619	2.620	2.616
Apparent Specific Gravity:	2.640	2.643	2.650
Absorption:	0.49	0.53	0.80

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.32
1/2" - 3/8"	0.52
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2009

VENDOR:
RIVER VIEW QUARRY LLC

SOURCE:
MANVILLE HILL ROAD

LOCATION:
CUMBERLAND, RI

Sieve Analysis of Fine and Coarse Aggregate AASHTO T-27

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	99.1	100.0	100.0
1/2"	42.2	99.3	100.0
3/8"	8.5	52.2	98.6
#4	1.2	1.5	24.7
#8	0.9	0.9	2.7

Unit Weight and Void in Aggregate AASHTO T-19

UNIT WEIGHT (lbs./cu. ft.)

1 1/2"	
1"	
3/4"	91.44
1/2"	88.71
3/8"	91.51

Resistance to Abrasion of Small Size Coarse Aggregate by use of the Los Angeles Machine AASHTO T-96

LA TYPE LA RESULT

Run # 1	B	21.28
Run # 2	B	

COARSE AGGREGATE RESULTS - 2009

VENDOR:
RIVER VIEW QUARRY LLC

SOURCE:
MANVILLE HILL ROAD

LOCATION:
CUMBERLAND, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.773	2.720	2.722
Specific Gravity (S.S.D.):	2.784	2.736	2.743
Apparent Specific Gravity:	2.805	2.764	2.779
Absorption:	0.41	0.58	0.76

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:	% LOSS
2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	0.32
1/2" - 3/8"	0.43
3/8" - # 4	
# 4 - # 8	

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

**Percentage Passing #
200 sieve
(based on 3/8" nominal material)**