

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
AGGREGATE INDUSTRIES

LAB NUMBER :
10001

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"	98.0	99.9	100.0
1/2"	35.6	86.0	100.0
3/8"	13.1	28.9	96.3
#4	3.3	2.4	35.8
#8	2.3	2.1	4.6

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

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

1 1/2"	
1"	
3/4"	97.38
1/2"	94.41
3/8"	93.98

**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 21.08

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
AGGREGATE INDUSTRIES

LAB NUMBER :
10001

SOURCE:
GREEN STREET QUARRY

LOCATION:
WRENTHAM, MA

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.629	2.646	2.644			
Specific Gravity (S.S.D.):	2.642	2.656	2.653			
Apparent Specific Gravity:	2.664	2.674	2.668			
Absorption:	0.511	0.392	0.335			

**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"	0.24
1/2" - 3/8"	0.24
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.32
1/2"	1.39
3/8"	1.49
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
SM - LO RUSSO

LAB NUMBER :
10003

SOURCE:
ELYSIUM QUARRY

LOCATION:
WRENTHAM, MA.

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

Nominal Aggregate Size

% Passing	3/4	0	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"	94.9	100.0	100.0
1/2"	26.7	97.0	100.0
3/8"	6.0	43.5	98.6
#4	2.5	3.8	30.0
#8	1.9	2.5	2.5

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

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

1 1/2"	
1"	
3/4"	97.38
1/2"	92.93
3/8"	93.98

**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 14.94

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
SM - LO RUSSO

LAB NUMBER :
10003

SOURCE:
ELYSIUM QUARRY

LOCATION:
WRENTHAM, MA.

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.707	2.708	2.769			
Specific Gravity (S.S.D.):	2.722	2.722	2.778			
Apparent Specific Gravity:	2.747	2.746	2.794			
Absorption:	0.537	0.517	0.319			

**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"	0.12
1/2" - 3/8"	0.93
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.66
1/2"	1.69
3/8"	1.81
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
J.H. LYNCH

LAB NUMBER :
10006

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"	99.8	100.0	100.0
3/4"	99.0	100.0	100.0
1/2"	19.2	77.3	100.0
3/8"	5.9	21.4	98.8
#4	2.6	1.6	38.0
#8	2.0	1.4	8.0

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

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

1 1/2"	
1"	
3/4"	100.36
1/2"	97.38
3/8"	103.85

**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 15.66

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
J.H. LYNCH

LAB NUMBER :
10006

SOURCE:
FIRST ST. QUARRY

LOCATION:
CUMBERLAND, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.744	2.739	2.785			
Specific Gravity (S.S.D.):	2.757	2.748	2.793			
Apparent Specific Gravity:	2.781	2.763	2.808			
Absorption:	0.487	0.320	0.297			

**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"	0.03
1/2" - 3/8"	0.45
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.84
1/2"	1.41
3/8"	3.38
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
PJ KEATING

LAB NUMBER :
10009

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"	86.5	100.0	100.0
1/2"	8.3	74.4	99.6
3/8"	1.9	24.7	80.4
#4	1.2	2.9	9.3
#8	1.0	1.9	2.6

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

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

1 1/2"	
1"	
3/4"	92.93
1/2"	94.41
3/8"	93.98

**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 35.00

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
PJ KEATING

LAB NUMBER :
10009

SOURCE:
PHENIX AVENUE QUARRY

LOCATION:
CRANSTON, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.771	2.681	2.721		
Specific Gravity (S.S.D.):		2.788	2.693	2.732		
Apparent Specific Gravity:		2.817	2.714	2.751		
Absorption:		0.591	0.454	0.403		

**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"	0.13
1/2" - 3/8"	0.51
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.81
1/2"	0.95
3/8"	1.56
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
**DRY BRIDGE SAND and
STONE**

LAB NUMBER :
10013

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"	100.0	100.0	100.0
3/4"	97.4	100.0	100.0
1/2"	67.6	91.4	99.9
3/8"	2.2	18.8	81.4
#4	0.4	1.8	10.3
#8	0.1	1.3	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"	92.93
3/8"	93.98

**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 34.64

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
**DRY BRIDGE SAND and
STONE**

LAB NUMBER :
10013

SOURCE:
SLOCUM PIT

LOCATION:
NORTH KINGSTOWN, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.604	2.608	2.623			
Specific Gravity (S.S.D.):	2.631	2.632	2.642			
Apparent Specific Gravity:	2.677	2.672	2.673			
Absorption:	1.037	0.907	0.710			

**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"	0.13
1/2" - 3/8"	0.42
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.30
1/2"	0.26
3/8"	0.30
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
TILCON - WAUREGAN

LAB NUMBER :
10018

SOURCE:
WAUREGAN QUARRY

LOCATION:
WAUREGAN, 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"	94.4	100.0	100.0
1/2"	27.0	92.0	100.0
3/8"	6.8	33.1	96.9
#4	3.0	1.8	23.2
#8	2.7	1.4	6.0

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

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

1 1/2"	
1"	
3/4"	98.87
1/2"	97.38
3/8"	98.91

**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 22.28

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
TILCON - WAUREGAN

LAB NUMBER :
10018

SOURCE:
WAUREGAN QUARRY

LOCATION:
WAUREGAN, CT

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.753	2.759	2.752			
Specific Gravity (S.S.D.):	2.771	2.772	2.762			
Apparent Specific Gravity:	2.802	2.797	2.781			
Absorption:	0.635	0.494	0.380			

**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"	0.06
1/2" - 3/8"	0.09
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.95
1/2"	1.27
3/8"	3.19
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
RAWSON SAND and GRAVEL

LAB NUMBER :
10020

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"	99.8	100.0	100.0
3/4"	88.8	99.9	100.0
1/2"	6.1	82.4	99.9
3/8"	2.9	32.5	99.3
#4	2.0	8.0	11.2
#8	1.7	5.2	1.3

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

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

1 1/2"	
1"	
3/4"	98.87
1/2"	101.84
3/8"	98.91

**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 29.87

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
RAWSON SAND and GRAVEL

LAB NUMBER :
10020

SOURCE:
CHASE PIT

LOCATION:
PUTNAM, CT

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.609	2.618	2.622			
Specific Gravity (S.S.D.):	2.639	2.648	2.652			
Apparent Specific Gravity:	2.689	2.698	2.703			
Absorption:	1.147	1.125	1.142			

**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"	0.19
1/2" - 3/8"	0.69
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.58
1/2"	1.37
3/8"	0.61
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
PJ KEATING

LAB NUMBER :
10021

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	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"	93.9	100.0	100.0
1/2"	30.6	93.8	99.8
3/8"	9.9	33.5	84.1
#4	3.5	4.0	65.9
#8	2.9	2.9	14.5

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

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

1 1/2"	
1"	
3/4"	97.38
1/2"	97.38
3/8"	98.91

**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 21.25

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
PJ KEATING

LAB NUMBER :
10021

SOURCE:
SOUTH MAIN ST. QUARRY

LOCATION:
ACUSHNET, MA

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.715	2.747	2.745			
Specific Gravity (S.S.D.):	2.735	2.762	2.759			
Apparent Specific Gravity:	2.770	2.789	2.783			
Absorption:	0.733	0.554	0.487			

**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"	0.86
1/2" - 3/8"	5.28
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.47
1/2"	1.93
3/8"	3.41
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
BROX INDUSTRIES - DRACUT

LAB NUMBER :
10024

SOURCE:
DRACUT QUARRY

LOCATION:
DRACUT, MA

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

Nominal Aggregate Size

% Passing	Nominal Aggregate Size
	3/4"
100.0	2"
100.0	1 1/2"
100.0	1"
100.0	3/4"
96.4	1/2"
44.2	3/8"
3.5	#4
2.4	#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"	
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 15.10

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
BROX INDUSTRIES - DRACUT

LAB NUMBER :
10024

SOURCE:
DRACUT QUARRY

LOCATION:
DRACUT, MA

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:				2.877		
Specific Gravity (S.S.D.):				2.887		
Apparent Specific Gravity:				2.908		
Absorption:				0.375		

**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"	0.14
1/2" - 3/8"	0.12
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	2.00
1/2"	
3/8"	
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
J.S. LANE & SON - WESTFIELD

LAB NUMBER :
10025

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"	91.2	100.0	100.0
1/2"	9.2	90.2	99.9
3/8"	1.2	27.2	91.6
#4	0.3	1.7	19.4
#8	0.3	0.9	1.9

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

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

1 1/2"	
1"	
3/4"	101.84
1/2"	97.38
3/8"	103.85

**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 11.58

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
J.S. LANE & SON - WESTFIELD

LAB NUMBER :
10025

SOURCE:
WESTFIELD QUARRY

LOCATION:
WESTFIELD, MA

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.928	2.896	2.928			
Specific Gravity (S.S.D.):	2.948	2.918	2.940			
Apparent Specific Gravity:	2.989	2.963	2.963			
Absorption:	0.705	0.791	0.399			

**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"	0.03
1/2" - 3/8"	0.15
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.36
1/2"	0.92
3/8"	1.38
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
MORSE SAND and GRAVEL

LAB NUMBER :
10027

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"	93.0	100.0
1/2"	36.0	99.9
3/8"	11.1	91.9
#4	3.2	22.6
#8	2.1	3.4

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

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

1 1/2"	
1"	
3/4"	97.38
1/2"	
3/8"	93.98

**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 17.99

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
MORSE SAND and GRAVEL

LAB NUMBER :
10027

SOURCE:
ATTLEBORO PIT

LOCATION:
ATTLEBORO, MA

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.712		2.707		
Specific Gravity (S.S.D.):		2.736		2.723		
Apparent Specific Gravity:		2.779		2.751		
Absorption:		0.880		0.597		

**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"	0.04
1/2" - 3/8"	0.93
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.72
1/2"	
3/8"	2.14
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
CHERENZIA

LAB NUMBER :
10029

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"	96.2	100.0	100.0
1/2"	35.1	64.4	100.0
3/8"	11.1	15.2	97.8
#4	1.9	2.4	17.1
#8	1.4	1.6	1.9

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

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

1 1/2"	
1"	
3/4"	91.44
1/2"	92.93
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 33.09

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
CHERENZIA

LAB NUMBER :
10029

SOURCE:
OLD HOPKINTON RD. QUARRY

LOCATION:
WESTERLY, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.622	2.622	2.622	2.625		
Specific Gravity (S.S.D.):	2.638	2.637	2.637	2.637		
Apparent Specific Gravity:	2.664	2.663	2.658			
Absorption:	0.602	0.578	0.471			

**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"	0.10
1/2" - 3/8"	0.12
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.50
1/2"	0.48
3/8"	0.28
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
SOUTH COUNTY SAND and
GRAVEL

LAB NUMBER :
10031

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"	98.1	100.0	100.0
1/2"	12.3	77.0	100.0
3/8"	4.4	19.6	95.2
#4	2.5	2.2	32.1
#8	2.3	1.7	5.4

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

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

1 1/2"	
1"	
3/4"	97.38
1/2"	91.44
3/8"	93.98

**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 48.42

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
SOUTH COUNTY SAND and
GRAVEL

LAB NUMBER :
10031

SOURCE:
CHARLESTON PIT

LOCATION:
CHARLESTON, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.564	2.581	2.576		
Specific Gravity (S.S.D.):		2.588	2.603	2.597		
Apparent Specific Gravity:		2.628	2.638	2.631		
Absorption:		0.954	0.848	0.804		

**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"	0.03
1/2" - 3/8"	0.12
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.67
1/2"	0.41
3/8"	0.51
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
TILCON - NEW BRITAIN

LAB NUMBER :
10034

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"	35.9	91.4	99.9
3/8"	6.2	32.8	95.6
#4	0.9	0.9	18.6
#8	0.8	0.8	1.9

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

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

1 1/2"	
1"	
3/4"	104.81
1/2"	98.87
3/8"	103.85

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

LA TYPE	LA RESULT
Run # 1	9.78

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
TILCON - NEW BRITAIN

LAB NUMBER :
10034

SOURCE:
NEW BRITAIN QUARRY

LOCATION:
PLAINVILLE, CT

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:		2.918	2.921	2.925		
Specific Gravity (S.S.D.):		2.946	2.947	2.946		
Apparent Specific Gravity:		3.003	3.001	2.988		
Absorption:		0.968	0.918	0.718		

**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"	0.09
1/2" - 3/8"	0.33
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.74
1/2"	0.96
3/8"	2.00
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
G. LOPES

LAB NUMBER :
10049

SOURCE:
MIDDLEBORO PIT

LOCATION:
MIDDLEBORO, 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"	94.5	100.0	100.0
1/2"	24.1	91.5	91.1
3/8"	5.3	48.5	58.1
#4	1.9	3.7	7.8
#8	1.6	2.0	1.6

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

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

1 1/2"	
1"	
3/4"	92.93
1/2"	94.41
3/8"	93.98

**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 28.63

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
G. LOPES

LAB NUMBER :
10049

SOURCE:
MIDDLEBORO PIT

LOCATION:
MIDDLEBORO, MA

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.600	2.608	2.609			
Specific Gravity (S.S.D.):	2.621	2.632	2.627			
Apparent Specific Gravity:	2.656	2.672	2.657			
Absorption:	0.810	0.921	0.691			

**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"	0.21
1/2" - 3/8"	0.54
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.70
1/2"	0.81
3/8"	0.43
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
WILLIAM E. DAILEY, INC.

LAB NUMBER :
10053

SOURCE:
SHAFTESBURY, VT

LOCATION:
SHAFTESBURY, VT

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

Nominal Aggregate Size

% Passing	3/4
2"	100.0
1 1/2"	100.0
1"	100.0
3/4"	99.4
1/2"	70.0
3/8"	42.0
#4	4.5
#8	1.9

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

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

1 1/2"	
1"	
3/4"	103.33
1/2"	
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 26.81

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
WILLIAM E. DAILEY, INC.

LAB NUMBER :
10053

SOURCE:
SHAFTESBURY, VT

LOCATION:
SHAFTESBURY, VT

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:				2.716		
Specific Gravity (S.S.D.):				2.732		
Apparent Specific Gravity:				2.761		
Absorption:				0.604		

**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"	0.03
1/2" - 3/8"	0.09
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.92
1/2"	
3/8"	
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
CHERENZIA-WHITE ROCK

LAB NUMBER :
10058

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"	96.1	100.0	100.0
1/2"	15.5	86.4	100.0
3/8"	4.2	28.0	97.8
#4	2.0	4.9	29.0
#8	1.8	3.4	4.0

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

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

1 1/2"	
1"	
3/4"	94.41
1/2"	95.90
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 46.77

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
CHERENZIA-WHITE ROCK

LAB NUMBER :
10058

SOURCE:
WHITE ROCK QUARRY

LOCATION:
WESTERLY, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.587	2.619	2.614			
Specific Gravity (S.S.D.):	2.613	2.637	2.630			
Apparent Specific Gravity:	2.656	2.667	2.656			
Absorption:	1.006	0.690	0.611			

**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"	0.13
1/2" - 3/8"	0.03
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.49
1/2"	0.64
3/8"	0.57
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
CARDI CORP.

LAB NUMBER :
10066

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	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"	99.4	100.0	100.0
1/2"	42.2	98.8	100.0
3/8"	9.6	55.7	90.6
#4	1.4	4.6	10.4
#8	1.1	2.5	2.1

**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"	93.98

**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 36.42

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
CARDI CORP.

LAB NUMBER :
10066

SOURCE:
Hopkins Hill Road

LOCATION:
Coventry, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.621	2.605	2.610			
Specific Gravity (S.S.D.):	2.638	2.621	2.624			
Apparent Specific Gravity:	2.665	2.647	2.647			
Absorption:	0.629	0.618	0.531			

**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"	0.06
1/2" - 3/8"	0.06
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	0.66
1/2"	0.41
3/8"	0.33
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
**CUMBERLAND QUARRY
CORP.**

LAB NUMBER :
10068

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"	99.9	100.0	100.0
1/2"	50.0	98.2	100.0
3/8"	8.7	43.7	98.2
#4	1.5	4.2	22.8
#8	1.0	2.4	2.2

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

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

1 1/2"	
1"	
3/4"	100.36
1/2"	100.36
3/8"	98.91

**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 21.63

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
CUMBERLAND QUARRY
CORP.

LAB NUMBER :
10068

SOURCE:
MANVILLE HILL ROAD

LOCATION:
CUMBERLAND, RI

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:	2.809	2.809	2.806			
Specific Gravity (S.S.D.):	2.822	2.823	2.824			
Apparent Specific Gravity:	2.845	2.849	2.857			
Absorption:	0.445	0.508	0.643			

**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"	0.07
1/2" - 3/8"	2.61
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	1.26
1/2"	1.40
3/8"	1.49
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
Continental Paving

LAB NUMBER :
10069

SOURCE:
NH

LOCATION:
NH

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

Nominal Aggregate Size

% Passing	1/2
2"	100.0
1 1/2"	100.0
1"	100.0
3/4"	100.0
1/2"	94.2
3/8"	40.1
#4	2.1
#8	1.2

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

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

1 1/2"	
1"	
3/4"	
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 18.14

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
Continental Paving

LAB NUMBER :
10069

SOURCE:
NH

LOCATION:
NH

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:			2.735			
Specific Gravity (S.S.D.):			2.750			
Apparent Specific Gravity:			2.776			
Absorption:			0.539			

**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"	0.39
1/2" - 3/8"	0.27
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	
1/2"	1.01
3/8"	
# 4	

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION**

COARSE AGGREGATE RESULTS - 2010

VENDOR:
BENEVENTO QUARRY

LAB NUMBER :
10070

SOURCE:
READING, MA.

LOCATION:
READING, MA.

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

Nominal Aggregate Size

% Passing	Nominal Aggregate Size
	1/2"
100.0	2"
100.0	1 1/2"
100.0	1"
100.0	3/4"
85.2	1/2"
26.8	3/8"
2.8	#4
1.9	#8

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

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

1 1/2"	
1"	
3/4"	
1/2"	95.90
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 23.87

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION
MATERIALS SECTION
COARSE AGGREGATE RESULTS - 2010**

VENDOR:
BENEVENTO QUARRY

LAB NUMBER :
10070

SOURCE:
READING, MA.

LOCATION:
READING, MA.

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

AGGREGATE SIZE:	# 4	3/8"	1/2"	3/4"	1"	1 1/2"
Bulk Specific Gravity:			2.709			
Specific Gravity (S.S.D.):			2.725			
Apparent Specific Gravity:			2.752			
Absorption:			0.569			

**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"	0.04
1/2" - 3/8"	0.12
3/8" - # 4	
# 4 - # 8	

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

Aggregate Bin Size	% Passing # 200 sieve
1 1/2"	
1"	
3/4"	
1/2"	0.47
3/8"	
# 4	