

**RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
MATERIALS AND QUALITY ASSURANCE  
COARSE AGGREGATE ANALYSIS REPORT - 2021**

|         |                                   |           |                       |
|---------|-----------------------------------|-----------|-----------------------|
| Vendor: | <u>N.E. BITUMINOUS - MANVILLE</u> | Lab No:   | <u>20210004</u>       |
| Source: | <u>MANVILLE QUARRY</u>            | Location: | <u>CUMBERLAND, RI</u> |

| Sieve Analysis of Coarse Aggregate |    | AASHTO T-27 |    |      |      |      |    |    |
|------------------------------------|----|-------------|----|------|------|------|----|----|
| % Passing                          | 2" | 1 1/2"      | 1" | 3/4" | 1/2" | 3/8" | #4 | #8 |
| CA Size:                           |    |             |    |      |      |      |    |    |
| CA Size:                           |    |             |    |      |      |      |    |    |
| CA Size:                           |    |             |    |      |      |      |    |    |
| CA Size:                           |    |             |    |      |      |      |    |    |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |      |      |      |
|-----------------------------------|-----------------------------|-------------|----|------|------|------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4" | 1/2" | 3/8" |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |      |      |      |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4" | 1/2" | 3/8" |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |      |      |      |

| Resistance to Abrasion of CA by use of the LA Machine |         | AASHTO T-96 |  |
|---|---------|-------------|--|
| Run # 1   | LA Type | LA Result   |  |
| B   |         |             |  |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |       |       |    |        |
|---|-----|-------------|-------|-------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2"  | 3/4"  | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     |             | 2.960 | 2.944 |    |        |
| Specific Gravity (SSD):                             |     |             | 2.974 | 2.961 |    |        |
| Apparent Specific Gravity:                          |     |             | 3.002 | 2.994 |    |        |
| Absorption:   |     |             | 0.480 | 0.559 |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |

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|         |                         |           |                       |
|---------|-------------------------|-----------|-----------------------|
| Vendor: | <u>J.H. LYNCH</u>       | Lab No:   | <u>20210006</u>       |
| Source: | <u>FIRST ST. QUARRY</u> | Location: | <u>CUMBERLAND, RI</u> |

| Sieve Analysis of Coarse Aggregate |       | AASHTO T-27 |       |       |       |      |      |     |
|------------------------------------|-------|-------------|-------|-------|-------|------|------|-----|
| % Passing                          | 2"    | 1 1/2"      | 1"    | 3/4"  | 1/2"  | 3/8" | #4   | #8  |
| CA Size:3/4                        | 100.0 | 100.0       | 100.0 | 98.6  | 16.8  | 5.0  | 2.6  | 2.2 |
| CA Size:1/2                        | 100.0 | 100.0       | 100.0 | 100.0 | 87.9  | 28.4 | 3.2  | 2.5 |
| CA Size:3/8                        | 100.0 | 100.0       | 100.0 | 100.0 | 100.0 | 98.3 | 33.2 | 8.5 |
| CA Size:                           |       |             |       |       |       |      |      |     |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |       |       |        |
|-----------------------------------|-----------------------------|-------------|----|-------|-------|--------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"  | 1/2"  | 3/8"   |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    | 95.19 | 96.23 | 102.63 |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"  | 1/2"  | 3/8"   |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |       |       |        |

| Resistance to Abrasion of CA by use of the LA Machine |          | AASHTO T-96  |  |
|---|----------|--------------|--|
| Run # 1   | LA Type  | LA Result    |  |
|   | <u>B</u> | <u>15.28</u> |  |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |      |      |    |        |
|---|-----|-------------|------|------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2" | 3/4" | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     |             |      |      |    |        |
| Specific Gravity (SSD):                             |     |             |      |      |    |        |
| Apparent Specific Gravity:                          |     |             |      |      |    |        |
| Absorption:   |     |             |      |      |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |

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|         |                             |           |                     |
|---------|-----------------------------|-----------|---------------------|
| Vendor: | <u>PJ KEATING</u>           | Lab No:   | <u>20210009</u>     |
| Source: | <u>PHENIX AVENUE QUARRY</u> | Location: | <u>CRANSTON, RI</u> |

| Sieve Analysis of Coarse Aggregate |       | AASHTO T-27 |       |       |      |      |      |     |
|------------------------------------|-------|-------------|-------|-------|------|------|------|-----|
| % Passing                          | 2"    | 1 1/2"      | 1"    | 3/4"  | 1/2" | 3/8" | #4   | #8  |
| CA Size:3/4                        | 100.0 | 100.0       | 100.0 | 90.8  | 27.0 | 8.5  | 2.5  | 1.7 |
| CA Size:1/2                        | 100.0 | 100.0       | 100.0 | 99.8  | 93.0 | 45.5 | 4.8  | 2.7 |
| CA Size:3/8                        | 100.0 | 100.0       | 100.0 | 100.0 | 99.9 | 94.9 | 18.0 | 4.8 |
| CA Size:                           |       |             |       |       |      |      |      |     |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |        |        |        |
|-----------------------------------|-----------------------------|-------------|----|--------|--------|--------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"   | 1/2"   | 3/8"   |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    | 100.42 | 100.37 | 102.75 |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"   | 1/2"   | 3/8"   |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |        |        |        |

| Resistance to Abrasion of CA by use of the LA Machine |         | AASHTO T-96 |
|---|---------|-------------|
| Run # 1   | LA Type | LA Result   |
| 1   | B       | 29.47       |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |       |      |    |        |
|---|-----|-------------|-------|------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2"  | 3/4" | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     | 2.732       | 2.618 |      |    |        |
| Specific Gravity (SSD):                             |     | 2.770       | 2.647 |      |    |        |
| Apparent Specific Gravity:                          |     | 2.839       | 2.697 |      |    |        |
| Absorption:   |     | 1.380       | 1.126 |      |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |

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|         |                           |           |                   |
|---------|---------------------------|-----------|-------------------|
| Vendor: | <u>BROX IND. - DRACUT</u> | Lab No:   | <u>20210024</u>   |
| Source: | <u>DRACUT QUARRY</u>      | Location: | <u>DRACUT, MA</u> |

| Sieve Analysis of Coarse Aggregate |       | AASHTO T-27 |       |      |      |      |     |     |
|------------------------------------|-------|-------------|-------|------|------|------|-----|-----|
| % Passing                          | 2"    | 1 1/2"      | 1"    | 3/4" | 1/2" | 3/8" | #4  | #8  |
| CA Size: 3/4                       | 100.0 | 100.0       | 100.0 | 88.2 | 34.4 | 18.7 | 1.3 | 0.6 |
| CA Size:                           |       |             |       |      |      |      |     |     |
| CA Size:                           |       |             |       |      |      |      |     |     |
| CA Size:                           |       |             |       |      |      |      |     |     |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |        |      |      |
|-----------------------------------|-----------------------------|-------------|----|--------|------|------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"   | 1/2" | 3/8" |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    | 104.92 |      |      |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"   | 1/2" | 3/8" |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |        |      |      |

| Resistance to Abrasion of CA by use of the LA Machine |         | AASHTO T-96 |  |
|---|---------|-------------|--|
| Run #   | LA Type | LA Result   |  |
| 1   | B       |             |  |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |      |      |    |        |
|---|-----|-------------|------|------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2" | 3/4" | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     |             |      |      |    |        |
| Specific Gravity (SSD):                             |     |             |      |      |    |        |
| Apparent Specific Gravity:                          |     |             |      |      |    |        |
| Absorption:   |     |             |      |      |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |

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|         |                       |           |                        |
|---------|-----------------------|-----------|------------------------|
| Vendor: | <u>G. LOPES</u>       | Lab No:   | <u>20210049</u>        |
| Source: | <u>MIDDLEBORO PIT</u> | Location: | <u>MIDDLEBORO, MA.</u> |

| Sieve Analysis of Coarse Aggregate |       | AASHTO T-27 |       |       |      |      |      |     |
|------------------------------------|-------|-------------|-------|-------|------|------|------|-----|
| % Passing                          | 2"    | 1 1/2"      | 1"    | 3/4"  | 1/2" | 3/8" | #4   | #8  |
| CA Size:3/4                        | 100.0 | 100.0       | 100.0 | 90.8  | 28.5 | 8.7  | 3.6  | 2.5 |
| CA Size:3/8                        | 100.0 | 100.0       | 100.0 | 100.0 | 98.4 | 80.2 | 17.3 | 3.7 |
| CA Size:                           |       |             |       |       |      |      |      |     |
| CA Size:                           |       |             |       |       |      |      |      |     |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |        |      |        |
|-----------------------------------|-----------------------------|-------------|----|--------|------|--------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"   | 1/2" | 3/8"   |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    | 100.63 |      | 102.89 |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"   | 1/2" | 3/8"   |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |        |      |        |

| Resistance to Abrasion of CA by use of the LA Machine |         | AASHTO T-96 |  |
|---|---------|-------------|--|
| Run # 1   | LA Type | LA Result   |  |
| B   |         |             |  |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |      |      |    |        |
|---|-----|-------------|------|------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2" | 3/4" | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     |             |      |      |    |        |
| Specific Gravity (SSD):                             |     |             |      |      |    |        |
| Apparent Specific Gravity:                          |     |             |      |      |    |        |
| Absorption:   |     |             |      |      |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |

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|         |                          |           |                     |
|---------|--------------------------|-----------|---------------------|
| Vendor: | <u>RAWSON-WHITE ROCK</u> | Lab No:   | <u>20210058</u>     |
| Source: | <u>WHITE ROCK QUARRY</u> | Location: | <u>WESTERLY, RI</u> |

|   |  |                    |        |    |      |      |      |    |    |
|---|--|--------------------|--------|----|------|------|------|----|----|
| <b>Sieve Analysis of Coarse Aggregate</b> |  | <b>AASHTO T-27</b> |        |    |      |      |      |    |    |
| % Passing                                 |  | 2"                 | 1 1/2" | 1" | 3/4" | 1/2" | 3/8" | #4 | #8 |
| CA Size:                                  |  |                    |        |    |      |      |      |    |    |
| CA Size:                                  |  |                    |        |    |      |      |      |    |    |
| CA Size:                                  |  |                    |        |    |      |      |      |    |    |
| CA Size:                                  |  |                    |        |    |      |      |      |    |    |

|  |                             |                    |    |      |      |      |
|--|-----------------------------|--------------------|----|------|------|------|
| <b>Unit Weight and Void in Aggregate</b> |                             | <b>AASHTO T-19</b> |    |      |      |      |
| Compacted                                | Nominal Aggregate Size:     | 1 1/2"             | 1" | 3/4" | 1/2" | 3/8" |
|  | Unit Weight: (lbs./cu. ft.) |                    |    |      |      |      |
| Loose                                    | Nominal Aggregate Size:     | 1 1/2"             | 1" | 3/4" | 1/2" | 3/8" |
|  | Unit Weight: (lbs./cu. ft.) |                    |    |      |      |      |

|  |          |                    |  |
|--|----------|--------------------|--|
| <b>Resistance to Abrasion of CA by use of the LA Machine</b> |          | <b>AASHTO T-96</b> |  |
|  | LA Type  | LA Result          |  |
| Run # 1  | <u>B</u> |                    |  |

|  |     |                    |       |       |    |        |
|--|-----|--------------------|-------|-------|----|--------|
| <b>Specific Gravity and Absorption of Coarse Aggregate</b> |     | <b>AASHTO T-85</b> |       |       |    |        |
| Nominal Aggregate Size:                                    | # 4 | 3/8"               | 1/2"  | 3/4"  | 1" | 1 1/2" |
| Bulk Specific Gravity:                                     |     | 2.519              | 2.574 | 2.578 |    |        |
| Specific Gravity (SSD):                                    |     | 2.570              | 2.604 | 2.612 |    |        |
| Apparent Specific Gravity:                                 |     | 2.656              | 2.653 | 2.668 |    |        |
| Absorption:  |     | 2.046              | 1.156 | 1.313 |    |        |

|  |             |                     |           |             |             |            |           |
|--|-------------|---------------------|-----------|-------------|-------------|------------|-----------|
| <b>Soundness of Aggregate by Use of Sodium Sulfate</b> |             | <b>AASHTO T-104</b> |           |             |             |            |           |
| Sieve Size:  | 2" - 1 1/2" | 1 1/2" - 1"         | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:  |             |                     |           |             |             |            |           |

|   |        |                    |      |      |      |     |
|---|--------|--------------------|------|------|------|-----|
| <b>Amount of Material Finer than # 200 Sieve in Aggregate</b> |        | <b>AASHTO T-11</b> |      |      |      |     |
| Aggregate Bin Size  | 1 1/2" | 1"                 | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve   |        |                    |      |      |      |     |

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|                             |                                     |
|-----------------------------|-------------------------------------|
| Vendor: <u>CARDI CORP.</u>  | Lab No: <u>20210066</u>             |
| Source: <u>Hopkins Hill</u> | Location: <u>West Greenwich, RI</u> |

| Sieve Analysis of Coarse Aggregate |       | AASHTO T-27 |       |       |      |      |      |     |
|------------------------------------|-------|-------------|-------|-------|------|------|------|-----|
| % Passing                          | 2"    | 1 1/2"      | 1"    | 3/4"  | 1/2" | 3/8" | #4   | #8  |
| CA Size:3/4                        | 100.0 | 100.0       | 100.0 | 98.0  | 20.1 | 4.2  | 0.7  | 0.5 |
| CA Size:1/2                        | 100.0 | 100.0       | 100.0 | 100.0 | 79.7 | 27.6 | 5.1  | 3.2 |
| CA Size:3/8                        | 100.0 | 100.0       | 100.0 | 100.0 | 99.5 | 91.0 | 21.8 | 8.5 |
| CA Size:                           |       |             |       |       |      |      |      |     |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |       |       |       |
|-----------------------------------|-----------------------------|-------------|----|-------|-------|-------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"  | 1/2"  | 3/8"  |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    | 95.26 | 94.70 | 99.95 |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4"  | 1/2"  | 3/8"  |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |       |       |       |

| Resistance to Abrasion of CA by use of the LA Machine |         | AASHTO T-96 |
|---|---------|-------------|
| Run # 1   | LA Type | LA Result   |
| 1   | B       | 34.51       |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |      |      |    |        |
|---|-----|-------------|------|------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2" | 3/4" | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     |             |      |      |    |        |
| Specific Gravity (SSD):                             |     |             |      |      |    |        |
| Apparent Specific Gravity:                          |     |             |      |      |    |        |
| Absorption:   |     |             |      |      |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |

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|         |                           |           |                 |
|---------|---------------------------|-----------|-----------------|
| Vendor: | <u>Continental Paving</u> | Lab No:   | <u>20210069</u> |
| Source: | <u>Hanover, NH</u>        | Location: | <u>NH</u>       |

| Sieve Analysis of Coarse Aggregate |       | AASHTO T-27 |       |       |      |      |     |     |
|------------------------------------|-------|-------------|-------|-------|------|------|-----|-----|
| % Passing                          | 2"    | 1 1/2"      | 1"    | 3/4"  | 1/2" | 3/8" | #4  | #8  |
| CA Size: 1/2                       | 100.0 | 100.0       | 100.0 | 100.0 | 92.4 | 35.8 | 3.1 | 1.8 |
| CA Size:                           |       |             |       |       |      |      |     |     |
| CA Size:                           |       |             |       |       |      |      |     |     |
| CA Size:                           |       |             |       |       |      |      |     |     |

| Unit Weight and Void in Aggregate |                             | AASHTO T-19 |    |      |       |      |
|-----------------------------------|-----------------------------|-------------|----|------|-------|------|
| Compacted                         | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4" | 1/2"  | 3/8" |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |      | 87.69 |      |
| Loose                             | Nominal Aggregate Size:     | 1 1/2"      | 1" | 3/4" | 1/2"  | 3/8" |
|                                   | Unit Weight: (lbs./cu. ft.) |             |    |      |       |      |

| Resistance to Abrasion of CA by use of the LA Machine |         | AASHTO T-96 |  |
|---|---------|-------------|--|
| Run #   | LA Type | LA Result   |  |
| 1   | B       |             |  |

| Specific Gravity and Absorption of Coarse Aggregate |     | AASHTO T-85 |      |      |    |        |
|---|-----|-------------|------|------|----|--------|
| Nominal Aggregate Size:                             | # 4 | 3/8"        | 1/2" | 3/4" | 1" | 1 1/2" |
| Bulk Specific Gravity:                              |     |             |      |      |    |        |
| Specific Gravity (SSD):                             |     |             |      |      |    |        |
| Apparent Specific Gravity:                          |     |             |      |      |    |        |
| Absorption:   |     |             |      |      |    |        |

| Soundness of Aggregate by Use of Sodium Sulfate |             | AASHTO T-104 |           |             |             |            |           |
|---|-------------|--------------|-----------|-------------|-------------|------------|-----------|
| Sieve Size:                                     | 2" - 1 1/2" | 1 1/2" - 1"  | 1" - 3/4" | 3/4" - 1/2" | 1/2" - 3/8" | 3/8" - # 4 | # 4 - # 8 |
| % Loss:   |             |              |           |             |             |            |           |

| Amount of Material Finer than # 200 Sieve in Aggregate |        | AASHTO T-11 |      |      |      |     |
|--|--------|-------------|------|------|------|-----|
| Aggregate Bin Size                                     | 1 1/2" | 1"          | 3/4" | 1/2" | 3/8" | # 4 |
| % Passing # 200 sieve                                  |        |             |      |      |      |     |