

| SIEVE<br>mm | 2.5"<br>63 | 2"<br>50 | 1.5"<br>37.5 | 1"<br>25 | 3/4"<br>19 | 1/2"<br>12.5 | 3/8"<br>9.5 | #4<br>4.75 | #8<br>2.36 | #16<br>1.18 | #100<br>0.15 | #200<br>0.075 |
|-------------|------------|----------|--------------|----------|------------|--------------|-------------|------------|------------|-------------|--------------|---------------|
| #3          | 100        | 90 - 100 | 35 - 70      | 0 - 15   |            | 0 - 5        |             |            |            |             |              |               |
| #467        |            | 100      | 95 - 100     |          | 35 - 70    |              | 10 - 30     | 0 - 5      |            |             |              |               |
| #57         |            |          | 100          | 95 - 100 |            | 25 - 60      |             | 0 - 10     | 0 - 5      |             |              |               |
| #67         |            |          |              | 100      | 90 - 100   |              | 20 - 55     | 0 - 10     | 0 - 5      |             |              |               |
| #7          |            |          |              |          | 100        | 90 - 100     | 40 - 70     | 0 - 15     | 0 - 5      |             |              |               |
| #8          |            |          |              |          |            | 100          | 85 - 100    | 10 - 30    | 0 - 10     | 0 - 5       |              |               |
| #10         |            |          |              |          |            |              | 100         | 85 - 100   |            |             | 10 - 30      |               |
| 2A          |            | 100      |              |          | 52 - 100   |              | 36 - 70     | 24 - 50    | 16 - 38    | 10 - 30     |              | 0 - 10        |
| 2RC         |            | 100      |              |          |            |              |             | 15 - 60    |            |             | 0 - 30       |               |
| OGS         |            | 100      |              |          | 52 - 100   |              | 36 - 65     | 8 - 40     |            | 0 - 12      |              | 0 - 5         |

| mm    |       |
|-------|-------|
| 4"    | 100   |
| 3.5"  | 90    |
| 3"    | 75    |
| 2.5"  | 63    |
| 2"    | 50    |
| 1.5"  | 37.5  |
| 1"    | 25    |
| 7/8"  | 22.4  |
| 3/4"  | 19    |
| 5/8"  | 16    |
| 1/2"  | 12.5  |
| 7/16" | 11.2  |
| 3/8"  | 9.5   |
| 5/16" | 8     |
| 1/4"  | 6.3   |
| #4    | 4.75  |
| #5    | 4     |
| #8    | 2.36  |
| #10   | 2     |
| #12   | 1.7   |
| #16   | 1.18  |
| #20   | 0.85  |
| #30   | 0.6   |
| #40   | 0.425 |
| #50   | 0.3   |
| #100  | 0.15  |
| #200  | 0.075 |

|                   | TYPE A                  | TYPE B  | TYPE C |
|-------------------|-------------------------|---------|--------|
| SULF SOUNDNESS    | 10                      | 12      | 20     |
| LA ABRASION       | 45                      | 45      | 55     |
| FLAT / ELONGATE   | 15                      | 20      | --     |
| CRUSHED FRAGMENTS | > 55                    | > 55    | >50    |
| UNIT WEIGHT       | > 70 lb/ft <sup>3</sup> |         |        |
| DELETERIOUS SHALE | 2                       | 2       | 10     |
| CLAY LUMPS        | 0.25                    | 0.25    | 3      |
| FRIABLE PARTICLES | 1.0                     | 1.0     | --     |
| COAL OR COKE      | 1                       | 1       | 5      |
| GLASSY PARTICLES  | 4 or 10                 | 4 or 10 | --     |
| IRON              | 3                       | 3       | 3      |
| ABSORPTION        | 3.0                     | 3.5     | --     |
| TOTAL DEL MAT'L   | 2                       | 2       | 15     |

| TRAFFIC<br>million ESALs | COARSE AGGREGATE      |           |                                  | FINE AGGREGATE         |          |                        |
|--------------------------|-----------------------|-----------|----------------------------------|------------------------|----------|------------------------|
|                          | CRSH FRGS ASTM D 5821 |           | FLT & ELG<br>PART ASTM D<br>4791 | ANGULARITY ASTM D 1252 |          | SAND EQ<br>ASTM D 2419 |
|                          | Depth ><br>< 100 mm   | > 100 mm  |                                  | < 100 mm               | > 100 mm |                        |
| < 0.3                    | 55 / -                | - / -     | --                               | --                     | --       | 40                     |
| < 1                      | 65 / -                | - / -     | --                               | 40                     | --       | 40                     |
| < 3                      | 75 / -                | 50 / -    | 10                               | 40                     | 40       | 40                     |
| < 10                     | 85 / 80               | 60 / -    | 10                               | 45                     | 40       | 45                     |
| < 30                     | 95 / 90               | 80 / 75   | 10                               | 45                     | 40       | 45                     |
| < 100                    | 100 / 100             | 95 / 90   | 10                               | 45                     | 45       | 50                     |
| ≥ 100                    | 100 / 100             | 100 / 100 | 10                               | 45                     | 45       | 50                     |
|                          | ≥ 1 face / > 2 faces  |           | max %                            | minimum %              |          |                        |

| QUALITY REQUIREMENTS |                    |            |                  | TOTAL PERCENT PASSING |            |            |             |            |            |              |               |
|----------------------|--------------------|------------|------------------|-----------------------|------------|------------|-------------|------------|------------|--------------|---------------|
| SAND TYPE            | SOD SULF<br>SNDNSS | FINE. MOD. | STRNGTH<br>RATIO | 3/8"<br>9.5           | #4<br>4.75 | #8<br>2.36 | #16<br>1.18 | #30<br>0.6 | #50<br>0.3 | #100<br>0.15 | #200<br>0.075 |
| TYPE A               | 10                 | 2.3 - 3.15 | 95               | 100                   | 95 - 100   | 70 - 100   | 45 - 85     | 25 - 65    | 10 - 30    | 0 - 10       | 0 - 3         |
| TYPE B               | B1                 | --         | --               | 100                   | 95 - 100   | 70 - 100   | 40 - 80     | 20 - 65    | 7 - 40     | 2 - 20       | 0 - 10        |
|                      | B2                 | --         | --               | 100                   | 100        | 95 - 100   | 85 - 100    | 65 - 90    | 30 - 60    | 5 - 25       | 0 - 5         |
|                      | B3                 | --         | --               | 100                   | 80 - 100   | 65 - 100   | 40 - 80     | 20 - 65    | 7 - 40     | 2 - 20       | 0 - 10        |
| TYPE C               | 10                 | 1.6 - 2.5  | 95               | 100                   | 100        | 95 - 100   | --          | --         | --         | 0 - 25       | 0 - 10        |



**AGGREGATES &  
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