

# Bituminous Rated Source Quality Catalog

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## Material Producer List

Materials & Tests Division – Soils and Aggregates Section (MTD/SA)

*December 27, 2019*



## Bituminous Rated Source Quality Catalog

### Overview

The Materials and Tests Division oversees TxDOT's Aggregate Quality Monitoring Program (AQMP) in accordance with Tex-499-A. The AQMP was created by TxDOT to improve efficiency of TxDOT operations. The program provides rated values for aggregate products from sources demonstrating continued quality and uniformity. Districts are allowed to use aggregates from rated sources qualified through the AQMP without project specific testing.

Sources are subject to sampling and testing at least twice a year to publish the Bituminous Rated Source Quality Catalog (BRSQC) bi-annually. Aggregate sources are added to the catalog based on their testing history of material only supplied to TxDOT projects. Participation is at TxDOT's discretion and not at the option of the aggregate supplier.

This catalog produces rated values for the following aggregate tests:

- *Tex-410-A, Abrasion of Coarse Aggregate Using the Los Angeles Abrasion Machine*
- *Tex-411-A, Soundness of Aggregate by Use of Magnesium Sulfate*
- *Tex-461-A, Degradation of Coarse Aggregate by Micro-Deval Abrasion • Tex-612-J, Acid Insoluble Residue for Fine Aggregate*

The AQMP does not exempt sources from project level quality assurance testing. Districts are required to perform project testing in accordance with TxDOT's Guide Schedule to determine specification compliance for those aggregate requirements not rated by this catalog.

TxDOT reserves the right to conduct random sampling & testing of these materials to ensure quality. TxDOT representatives may sample material stockpiled at any location.

Contact the Soils and Aggregates Section at (512) 506-5907 for more information or if you have any questions.

Effective Date: December 27, 2019

## Legend

- SAC = Surface Aggregate Classification for Wet Surface Crash Reduction Program
- RSLA = Rated Source Los Angeles Abrasion
- RSSM = Rated Source Soundness Magnesium
- RSMD = Rated Source Micro-Deval
- HMAC = Hot Mix Asphaltic Concrete
- ST = Surface Treatment
- MS = Microsurfacing
- RSAI = Rated Source Acid Insoluble
- CA = Coarse Aggregate
- Dry Unit Weight is measured in lb./ft.<sup>3</sup>
- \* = Requires project testing for HMAC and/or surface treatment aggregates.

## Producer Code Number

The producer code number for each aggregate source provides information to the quarry or pit location.

- The first two digits identify the district in which the source is located. Sources located outside Texas have '00' as the first two digits of the code.
- The middle three digits identify the county in which the source is located. The counties are numbered beginning with Anderson County as '001' and ending with Zavala County as '254.' A list of counties, in alphabetical order, can be found on the official Texas Travel Map.
- Out of state sources are denoted with the following middle three digits:
  - 401 - Mexico ▪ 402 - Canada
  - 501 - Arkansas
  - 502 - Louisiana
  - 503 - New Mexico ▪ 504 - Oklahoma
- The last two digits represent the sequential order the sources have been assigned within the corresponding county.

## Product Codes

- 082 - Microsurfacing
- 093 - HMAC
- 094 - Surface Treatment
- 095/096 - Lightweight

## Material Code

The following material codes indicate the material type of the source:

### Coarse Aggregate

- 011 - Crushed Siliceous Gravel
- 014 - Crushed Siliceous and Limestone Gravel
- 018 - Crushed Limestone
- 019 - Crushed Dolomite
- 021 - Crushed Limestone Gravel
- 024 - Crushed Limestone and Siliceous Gravel
- 025 - Partly Crushed Limestone and Siliceous Gravel
- 029 - Crushed Sandstone

### Materials

- Sandstone
- 032 - Crushed Rhyolite
- 035 - Crushed Phyllite/Schist**
- 033 - Crushed Rhyolite Gravel
- 040 - Quartzite
- 041 - Tuff
- 048 - Lightweight Aggregate
- 050 - Crushed Trap Rock
- 051 - Crushed Granite

| SANDSTONE            |                    |               |               |               |         |           |           |           |    |           |           |
|----------------------|--------------------|---------------|---------------|---------------|---------|-----------|-----------|-----------|----|-----------|-----------|
| Producer Information |                    |               |               |               | Ratings |           |           |           |    |           |           |
| Producer             | Quarry             | Producer Code | Product Code  | Material Code | SAC     | RSLA      | RSSM      |           |    | RSMD      | CA-RSAI   |
|                      |                    |               |               |               |         |           | HMAC      | ST        | MS |           |           |
| Capitol Aggregates   | Delta Materials    | 1402704       | 082, 093, 094 | 029           | A       | <b>25</b> | 20        | <b>15</b> | 25 | <b>17</b> | <b>64</b> |
| Martin Marietta      | Apple (Sawyer, OK) | 0050437       | 082, 093, 094 | 029           | A       | <b>28</b> | <b>18</b> | <b>17</b> | 17 | 9         | 99        |

|                                  |          |         |          |     |   |    |    |    |  |    |    |
|----------------------------------|----------|---------|----------|-----|---|----|----|----|--|----|----|
| Smith Buster Crushed Stone , LLC | Byrd Pit | 0050447 | 093, 094 | 029 | A | 32 | 20 | 15 |  | 10 | 98 |
|----------------------------------|----------|---------|----------|-----|---|----|----|----|--|----|----|

• Limestones-Dolomites

LIMESTONES-DOLOMITES

| Producer Information          |                     |               |              |               | Ratings |      |      |    |    |      |         |
|-------------------------------|---------------------|---------------|--------------|---------------|---------|------|------|----|----|------|---------|
| Producer                      | Quarry              | Producer Code | Product Code | Material Code | SAC     | RSLA | RSSM |    |    | RSMD | CA-RSAI |
|                               |                     |               |              |               |         |      | HMAC | ST | MS |      |         |
| Allen Keller Company          | Molesworth Quarry   | 0713409       | 093, 094     | 018           | B       | 30   | 25   | 21 |    | 23   | 1       |
| Anderson Columbia Co, Inc.    | Tejas Quarry        | 1504609       | 093, 094     | 018           | B       | 27   | 16   | 12 |    | 19   | 2       |
| Caliza del Golfo S.A. de C.V. | Caliza del Golfo    | 0040109       | 093, 094     | 019           | B       | 25   | 4    | 3  |    | 13   | 4       |
| Capitol Aggregates, LTD.      | Rio Medina Quarry   | 1516321       | 093, 094     | 018           | B       | 35   | 24   | 23 |    | 27   | 3       |
| Capitol Aggregates, LTD.      | Solms Quarry        | 1504610       | 093, 094     | 018           | B       | 31   | 24   | 22 |    | 29   | 3       |
| Cedar Creek Stone             | Pate                | 0914710       | 093, 094     | 018           | B       | 37*  | 27   | 24 |    | 30   | 10      |
| Cemex                         | Balcones Quarry     | 1504602       | 093,094      | 018           | B       | 30   | 22   | 18 |    | 27   | 3       |
| Centex Materials              | Ruby                | 1410507       | 093, 094     | 018           | B       | 29   | 19   | 17 |    | 22   | 4       |
| Chanas Aggregates Blanco, LLC | Johnson City Quarry | 1401601       | 093, 094     | 019           | B       | 26   | 7    | 5  |    | 9    | 1       |

|                                 |                      |         |          |     |   |    |    |    |  |    |    |
|---------------------------------|----------------------|---------|----------|-----|---|----|----|----|--|----|----|
| Colorado Materials              | Hunter               | 1504605 | 093, 094 | 018 | B | 27 | 24 | 19 |  | 19 | 3  |
| CSA Materials, Inc              | Turner               | 0722611 | 093, 094 | 018 | B | 32 | 23 | 19 |  | 23 | 1  |
| Dean Word Co.                   | Lone Star            | 1504607 | 093, 094 | 018 | B | 30 | 17 | 15 |  | 20 | 4  |
| Dolese Brothers                 | Ardmore, OK          | 0050412 | 093, 094 | 018 | B | 28 | 18 | 19 |  | 14 | 9  |
| Dolese Brothers                 | Coleman, OK          | 0050414 | 093, 094 | 019 | B | 28 | 5  | 4  |  | 11 | 5  |
| Dolese Brothers                 | Cooperton, OK        | 0050415 | 093, 094 | 019 | B | 29 | 8  | 7  |  | 11 | 6  |
| Dolese Brothers                 | Richards Spur        | 0050405 | 093, 094 | 018 | B | 27 | 11 | 11 |  | 15 | 7  |
| Fisher Sand & Gravel            | Kizer Pit            | 0515304 | 093, 094 | 018 | B | 26 | 29 | 25 |  | 23 | 8  |
| GCC Sun City Materials LLC      | McKelligon-Dolomite  | 2407101 | 093, 094 | 019 | B | 23 | 18 | 17 |  | 11 | 13 |
| H.L. Zumwalt Construction, Inc. | FM 1283 Ranch Quarry | 1516317 | 093, 094 | 018 | B | 33 | 29 | 16 |  | 26 | 2  |
| Hanson Aggregates               | Burnet               | 1402701 | 093, 094 | 019 | B | 27 | 7  | 10 |  | 10 | 8  |
| Hanson Aggregates               | Lake Bridgeport      | 0224902 | 093, 094 | 018 | B | 25 | 24 | 21 |  | 18 | 3  |
| Hanson Aggregates               | Perch-Hill           | 0224901 | 093, 094 | 018 | B | 25 | 9  | 8  |  | 14 | 0  |
| Hanson Aggregates               | Servtex              | 1504603 | 093, 094 | 018 | B | 30 | 20 | 18 |  | 22 | 2  |
| Industrial Asphalt & Aggregate  | Florence Quarry      | 1424608 | 093, 094 | 018 | B | 29 | 20 | 15 |  | 22 | 5  |
| Industrial Asphalt & Aggregate  | Hays Quarry          | 1410508 | 093, 094 | 018 | B | 31 | 15 | 12 |  | 21 | 0  |
| J.H. Strain and Sons, Inc.      | Nelson Pit           | 2306707 | 093, 094 | 018 | B | 28 | 10 | 9  |  | 17 | 1  |

## LIMESTONES-DOLOMITES

| Producer Information          |                     |               |              |               | Ratings |      |      |    |    |      |         |
|-------------------------------|---------------------|---------------|--------------|---------------|---------|------|------|----|----|------|---------|
| Producer                      | Quarry              | Producer Code | Product Code | Material Code | SAC     | RSLA | RSSM |    |    | RSMD | CA-RSAI |
|                               |                     |               |              |               |         |      | HMAC | ST | MS |      |         |
| J. Lee Milligan, Inc.         | Aztec Canyon        | 0418814       | 093, 094     | 018           | B       | 32   | 30   | 25 |    | 18   | 1       |
| Jobe Materials, L.P.          | Ned Finney Quarry   | 2407120       | 093, 094     | 018           | B       | 27   | 9    | 10 |    | 11   | 2       |
| Jones Brothers                | Rankin              | 0623102       | 093, 094     | 018           | B       | 29   | 29   | *  |    | 24   | 1       |
| Killeen Crushed Stone         | Gibbs               | 0901408       | 093, 094     | 018           | B       | 29   | 21   | 18 |    | 17   | 1       |
| Lattimore Materials           | Stringtown, OK      | 0050407       | 093, 094     | 019           | A       | 22   | 8    | 6  |    | 10   | 74      |
| Lone Star Aggrgates           | 487 Quarry          | 1424612       | 093, 094     | 018           | B       | 28   | 20   | 15 |    | 21   | 2       |
| Lone Star Aggregates          | Schertz Quarry      | 1504611       | 093, 094     | 018           | B       | 27   | 17   | 12 |    | 22   | 1       |
| Martin Marietta               | Beckmann            | 1501503       | 093, 094     | 018           | B       | 30   | 24   | 19 |    | 21   | 2       |
| Martin Marietta               | Bridgeport          | 0224904       | 093, 094     | 018           | B       | 26   | 14   | 13 |    | 16   | 1       |
| Martin Marietta               | Chambers            | 0224921       | 093, 094     | 018           | B       | 32   | 28   | *  |    | 22   | 3       |
| Martin Marietta               | Hunter Stone        | 1504608       | 093, 094     | 018           | *       | 31   | *    | *  |    | 30   | 4       |
| Martin Marietta               | Medina Rock & Rail  | 1516319       | 093, 094     | 018           | B       | 30   | 19   | 14 |    | 24   | 5       |
| Martin Marietta               | Mill Creek, OK      | 0050445       | 093, 094     | 019           | B       | 30   | 9    | 7  |    | 12   | 4       |
| Martin Marietta               | Rio Medina Quarry   | 1516312       | 093, 094     | 018           | B       | 29   | 17   | 13 |    | 20   | 3       |
| Martin Marietta               | S.H. 211            | 1516310       | 093, 094     | 018           | B       | 34   | 28   | 21 |    | 28   | 2       |
| Matrimar SA de CV             | Matrimar            | 0040108       | 093, 094     | 019           | B       | 26   | 6    | 5  |    | 13   | 5       |
| Oldcastle Materials Texas     | Marble Falls Quarry | 1402702       | 093,094      | 019           | B       | 29   | 8    | 6  |    | 10   | 0       |
| Paso Del Norte Materials, LLC | Hueco Rock Quarry   | 2407130       | 093, 094     | 019           | B       | 23   | 24   | 18 |    | 17   | 34      |
| South Texas Aggregates        | Chapman             | 1523211       | 093, 094     | 018           | B       | 37*  | 23   | 20 |    | 26   | 1       |



|                         |               |         |          |     |   |    |    |    |  |    |   |
|-------------------------|---------------|---------|----------|-----|---|----|----|----|--|----|---|
| Texas Crushed Stone     | Feld          | 1424602 | 093, 094 | 018 | B | 34 | 23 | 18 |  | 23 | 2 |
| Victory Rock Texas, LLC | VR Palo Pinto | 0218207 | 093, 094 | 018 | B | 29 | 20 | 18 |  | 17 | 5 |
| Vulcan Materials        | 1604          | 1501506 | 093, 094 | 018 | B | 35 | 25 | 24 |  | 28 | 4 |
| Vulcan Materials        | Brownwood     | 2302501 | 093, 094 | 018 | B | 28 | 12 | 11 |  | 17 | 6 |
| Vulcan Materials        | Eastland      | 2306705 | 093, 094 | 018 | B | 27 | 14 | 10 |  | 14 | 0 |
| Vulcan Materials        | Helotes       | 1501514 | 093, 094 | 018 | B | 28 | 17 | 14 |  | 20 | 2 |
| Vulcan Materials        | Huebner Road  | 1501507 | 093, 094 | 018 | B | 33 | 30 | 25 |  | 23 | 1 |
| Vulcan Materials        | Mico          | 1516315 | 093, 094 | 018 | B | 32 | 25 | 21 |  | 27 | 4 |

LIMESTONES-DOLOMITES

| Producer Information |                    |               |              |               | Ratings |      |      |    |    |      |         |
|----------------------|--------------------|---------------|--------------|---------------|---------|------|------|----|----|------|---------|
| Producer             | Quarry             | Producer Code | Product Code | Material Code | SAC     | RSLA | RSSM |    |    | RSMD | CA-RSAI |
|                      |                    |               |              |               |         |      | HMAC | ST | MS |      |         |
| Vulcan Materials     | North Troy         | 0050448       | 093, 094     | 019           | B       | 22   | 14   | 14 |    | 9    | 9       |
| Vulcan Materials     | Spicewood          | 1402710       | 093, 094     | 019           | B       | 24   | 10   | 8  |    | 9    | 4       |
| Vulcan Materials     | Weatherford        | 0218409       | 093, 094     | 018           | B       | 27   | 19   | 16 |    | 19   | 2       |
| Zack Burkett Co      | Leach              | 0211901       | 093, 094     | 018           | B       | 29   | 23   | 17 |    | 19   | 2       |
| Zack Burkett Co      | Mayo Pit           | 0325206       | 093, 094     | 018           | B       | 26   | 18   | 17 |    | 16   | 2       |
| Zack Burkett Co      | Springfield Quarry | 0211902       | 093, 094     | 018           | B       | 27   | 13   | 10 |    | 16   | 4       |

• Gravels

GRAVELS

| Producer Information |        |  |              |          | Ratings |      |      |  |  |      |         |
|----------------------|--------|--|--------------|----------|---------|------|------|--|--|------|---------|
| Producer             | Quarry |  | Product Code | Material | SAC     | RSLA | RSSM |  |  | RSMD | CA-RSAI |

|                                 |                     | Producer Code |               | Code |   |    | HMAC | ST | MS |    |    |
|---------------------------------|---------------------|---------------|---------------|------|---|----|------|----|----|----|----|
| Anderson Columbia Co, Inc.      | La Barronea Pit     | 2206607       | 093, 094      | 014  | A | 21 | 6    | 4  |    | 5  | 81 |
| Anderson Columbia Co, Inc.      | Mimosa Pit          | 2225402       | 093, 094      | 014  | A | 22 | 15   | 10 |    | 9  | 69 |
| Big Creek Construction          | Mitchell Pit        | 0907301       | 093, 094      | 024  | B | 22 | 5    | 4  |    | 9  | 32 |
| Big Creek Construction          | Young               | 0907302       | 093, 094      | 024  | B | 22 | 6    | 5  |    | 8  | 33 |
| Big Creek Sand & Gravel, Inc.   | Bear Creek Pit      | 0411712       | 093, 094      | 014  | A | 32 | 20   | 17 |    | 15 | 82 |
| Big Creek Sand & Gravel, Inc.   | Big Creek           | 0411707       | 093, 094      | 011  | A | 32 | 17   | 13 |    | 13 | 83 |
| Capitol Aggregates              | Hoban               | 0619502       | 082, 093, 094 | 033  | A | 23 | 16   | 13 | 15 | 8  | 98 |
| Century Asphalt, Ltd.           | Legna Pit           | 1508203       | 093, 094      | 011  | A | 22 | 3    | 2  |    | 5  | 96 |
| Colorado Materials              | Jaehne Pit          | 1523216       | 093, 094      | 024  | B | 24 | 3    | 2  |    | 9  | 21 |
| CSA Materials, Inc              | Stubbs Quarry       | 2402205       | 093, 094      | 033  | A | 20 | 13   | 11 |    | 10 | 93 |
| Dead River Ranch Materials, LLC | Riesel S&G Plant #1 | 0916122       | 093, 094      | 024  | B | 23 | 11   | 11 |    | 12 | 26 |
| Duininck Brothers               | Matador             | 2517309       | 083, 094      | 014  | A | 25 | 14   | 11 |    | 9  | 75 |
| Fordyce Co.                     | Murphy              | 1323505       | 093, 094      | 014  | A | 20 | 2    | 2  |    | 3  | 92 |
| Fordyce Co.                     | Showers             | 2110804       | 093, 094      | 014  | A | 21 | 11   | 7  |    | 7  | 77 |
| Frontera Materials              | Reavis              | 2110806       | 093, 094      | 014  | A | 20 | 4    | 4  |    | 4  | 88 |
| Hanson Aggregates               | Little River        | 0050114       | 093, 094      | 011  | A | 22 | 6    | 5  |    | 4  | 98 |

GRAVELS

| Producer Information  |            |               |              |               | Ratings |       |      |    |    |      |         |
|-----------------------|------------|---------------|--------------|---------------|---------|-------|------|----|----|------|---------|
| Producer              | Quarry     | Producer Code | Product Code | Material Code | SAC     | RSL A | RSSM |    |    | RSMD | CA-RSAI |
|                       |            |               |              |               |         |       | HMAC | ST | MS |      |         |
| J. Lee Milligan, Inc. | Archer Pit | 2517311       | 093, 094     | 014           | A       | 28    | 15   | 12 |    | 12   | 76      |

|                            |                    |         |                |     |   |     |    |    |  |    |    |
|----------------------------|--------------------|---------|----------------|-----|---|-----|----|----|--|----|----|
| J. Lee Milligan, Inc.      | Boys Ranch         | 0418008 | 093, 094       | 011 | A | 32  | 10 | 8  |  | 10 | 92 |
| J. Lee Milligan, Inc.      | Frasier Pit        | 2506509 | 093, 094       | 014 | A | 35  | 11 | 8  |  | 10 | 93 |
| J. Lee Milligan, Inc.      | Matador Cattle Co. | 2517312 | 093, 094       | 014 | A | 28  | 15 | 13 |  | 12 | 73 |
| J. Lee Milligan, Inc.      | Roach Pit #2       | 2506505 | 093, 094       | 011 | A | 35  | 14 | 12 |  | 11 | 92 |
| J. Lee Milligan, Inc.      | Sawyer             | 0406510 | 093, 094       | 014 | A | 31  | 20 | 18 |  | 16 | 68 |
| Jobe Materials, L.P.       | Avispa Canyon      | 2407129 | 093, 094       | 021 | B | 25  | 5  | 5  |  | 11 | 1  |
| Jobe Materials, L.P.       | Van Horn Quarry    | 2405507 | 093, 094       | 033 | A | 22  | 25 | 23 |  | 16 | 97 |
| Martin Marietta            | Broken Bow S & G   | 0050451 | 093, 094       | 011 | A | 27  | 13 | 10 |  | 10 | 96 |
| Martin Marietta            | Webberville        | 1422712 | 093, 094       | 014 | A | 25  | 5  | 4  |  | 7  | 56 |
| R.E. Janes Gravel Co.      | South Noodle       | 0812703 | Partly Crushed | 025 | B | 25  | 8  | 8  |  | 13 | 32 |
| Rogers Group Inc.          | Bonita Creek       | 0418816 | 093, 094       | 014 | A | 28  | 20 | 18 |  | 15 | 78 |
| Rogers Group Inc.          | West Amarillo      | 0418001 | 093, 094       | 014 | A | 27  | 12 | 10 |  | 11 | 72 |
| SCS Materials              | XIT S & G Pit      | 0418010 | 093, 094       | 014 | A | 36* | 11 | 9  |  | 14 | 93 |
| South Texas Aggregates     | D and D            | 2215905 | 093, 094       | 024 | A | 21  | 11 | 8  |  | 7  | 70 |
| Terra Firma Materials, LLC | La Havana Pit      | 2110807 | 093, 094       | 014 | A | 22  | 19 | 10 |  | 7  | 70 |
| Texas Sand & Gravel        | Kritser-Fain       | 0418812 | 093, 094       | 014 | A | 31  | 9  | 7  |  | 9  | 76 |
| Upper Valley Materials     | Las Viboras        | 2110805 | 093, 094       | 014 | A | 22  | 21 | 11 |  | 9  | 76 |
| Valley Caliche             | Beck               | 2110801 | 093, 094       | 014 | A | 23  | 13 | 10 |  | 7  | 78 |
| Wright Materials           | Realitos           | 2206601 | 093, 094       | 011 | A | 20  | 3  | 1  |  | 3  | 97 |
| Zack Burkett               | Smith              | 0325205 | 093, 094       | 014 | A | 22  | 6  | 4  |  | 7  | 70 |

• Igneous

| IGNEOUS              |                               |               |              |               |         |      |      |    |    |      |         |
|----------------------|-------------------------------|---------------|--------------|---------------|---------|------|------|----|----|------|---------|
| Producer Information |                               |               |              |               | Ratings |      |      |    |    |      |         |
| Producer             | Quarry                        | Producer Code | Product Code | Material Code | SAC     | RSLA | RSSM |    |    | RSMD | CA-RSAI |
|                      |                               |               |              |               |         |      | HMAC | ST | MS |      |         |
| Colorado Materials   | Davenport-Cline Basalt Quarry | 1523215       | 093, 094     | 050           | A       | 13   | 4    | 3  |    | 8    | 93      |

| IGNEOUS                    |                       |               |               |               |         |      |      |    |    |       |         |
|----------------------------|-----------------------|---------------|---------------|---------------|---------|------|------|----|----|-------|---------|
| Producer Information       |                       |               |               |               | Ratings |      |      |    |    |       |         |
| Producer                   | Quarry                | Producer Code | Product Code  | Material Code | SAC     | RSLA | RSSM |    |    | RS ID | CA-RSAI |
|                            |                       |               |               |               |         |      | HMAC | ST | MS |       |         |
| Dolese Brothers            | Roosevelt Quarry      | 0050454       | 093, 094      | 051           | A       | 32   | 12   | 9  |    | 12    | 97      |
| DRS Rock Materials, LLC    | Pipeline Quarry       | 2411515       | 093, 094      | 051           | A       | 35   | 12   | 11 |    | 10    | 96      |
| GCC Sun City Materials LLC | McKelligon-Granite    | 2407106       | 093, 094      | 051           | A       | 39*  | 23   | 20 |    | 11    | 96      |
| GCC Sun City Materials LLC | Vado                  | 0050310       | 093, 094      | 032           | A       | 23   | 13   | 10 |    | 12    | 97      |
| Granite Mountain Quarries  | Plant 1               | 0050106       | 093, 094      | 051           | A       | 29   | 3    | 2  |    | 5     | 96      |
| Hanson Aggregates          | Davis Pit, OK         | 0050439       | 093, 094      | 032           | A       | 18   | 12   | 11 |    | 12    | 98      |
| Jobe Materials, L.P.       | Padre Canyon          | 2411513       | 093, 094      | 051           | A       | 28   | 13   | 11 |    | 9     | 95      |
| Jobe Materials, L.P.       | Vado Quarry           | 0050314       | 093, 094      | 032           | A       | 25   | 16   | 13 |    | 13    | 94      |
| Martin Marietta            | Bird Hill             | 1523213       | 093, 094      | 050           | A       | 14   | 11   | 8  |    | 13    | 91      |
| Martin Marietta            | Jones Mill            | 0050122       | 093, 094      | 040           | A       | 17   | 5    | 4  |    | 7     | 94      |
| Martin Marietta            | Mill Creek (Grnt), OK | 0050433       | 082, 093, 094 | 051           | A       | 30   | 5    | 5  | 5  | 8     | 97      |
| Martin Marietta            | Snyder, OK            | 0050435       | 093, 094      | 051           | A       | 28   | 3    | 2  |    | 5     | 99      |
| Volcanic Stone             | Cinder Mountain       | 0050313       | 093, 094      | 041           | A       | 29   | 15   | 10 |    | 15    | 96      |
| Vulcan Materials           | Knippa                | 1523206       | 093, 094      | 050           | A       | 14   | 6    | 5  |    | 12    | 90      |

|                  |                 |         |          |     |   |    |   |   |  |    |    |
|------------------|-----------------|---------|----------|-----|---|----|---|---|--|----|----|
| Vulcan Materials | Torrance Quarry | 0050315 | 093, 094 | 035 | A | 21 | 7 | 5 |  | 10 | 97 |
|------------------|-----------------|---------|----------|-----|---|----|---|---|--|----|----|

• Lightweight

LIGHTWEIGHT

| Producer Information |           |               |               | Ratings |      |      |    |      |            |                                     |                                     |            |   |
|----------------------|-----------|---------------|---------------|---------|------|------|----|------|------------|-------------------------------------|-------------------------------------|------------|---|
| Producer             | Quarry    | Producer Code | Material Code | SAC     | RSLA | RSSM |    | RSMD | CA<br>RSAI | Pressure<br>Slake                   | FreezeThaw                          | Absorption | Dry Unit<br>Weight<br>(lb./ft. <sup>3</sup> ) |
|                      |           |               |               |         |      | HMAC | ST |      |            |                                     |                                     |            |   |
| Arcosa Lightweight   | Streetman | 1817502       | 048           | A       | 29   | 8    | 5  | 26   | 98         | HMAC: 3<br>ST Gr 4: 4<br>ST Gr 3: 4 | HMAC: 7<br>ST Gr 4: 9<br>ST Gr 3: 6 | 10.1       | 56.4  |