

LIST OF COMMERCIAL SOURCES
EFFECTIVE: January 31, 2024
ATTENTION: ALL DISTRICTS

LIST OF SOURCES CHECKED UNDER ARTICLE 703.2 OF THE 2002 CONSTRUCTION MANUAL FOR QUALITY CONTROL OF COMMERCIAL SOURCES, NOTE 4, AND MP 700.00.01.

<u>SOURCE CODE</u>	<u>COMPANY</u>	<u>PRODUCING SITE</u>	<u>TYPE MATERIAL</u>	<u>REPORT NUMBER</u>	<u>REACTIVITY CLASS (Note 3)</u>
LHX6.704	AA Quarry	Grayson, KY	C. Agg-Limestone	2302522	R1
			F. Agg-Limestone	2302323	R1
AAC1.704	Ace Aggregates	Philippi, WV	C. Agg-Limestone	2301662	R1
			F. Agg-Limestone	2301670	R1
AIC3.704	Aggregate Industries (Dolomite)	Millville, WV	C. Agg-Limestone	2301696	R0
			F. Agg-Limestone	2301695	R0
ACC2.704	Allegany Aggregates	Flintstone, MD	C. Agg-Limestone	2301665	R1
			F. Agg- Limestone	2301430	R1
ACC1.704	Allegany Aggregates	Short Gap, WV	C. Agg-Limestone	2301665	R0
			F. Agg-Limestone	2301429	R0
JFA2.02.704	Allen, J. F.	Elkins, WV	C. Agg-Limestone	2301003	R1
			F. Agg-Limestone	2301002	R1
JFA2.01.704	Allen, J. F. (Mashey Gap Quarry)	Elkins, WV	C. Agg-Limestone	2300999	R1
			F. Agg-Limestone	2301000	R1
BSG1.704	Belpre Sand & Gravel	Little Hocking, OH	C. Agg- Gravel	2302558	R1
			F. Agg-Silica Sand	2302557	R1
BIZ1.704	Bizzack Construction	Castlewood, VA	C. Agg-Limestone	2301389	R2
			F. Agg-Limestone	2301390	R2

List of Commercial Sources
Effective January 31, 2024
Page 2

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BVR1.704	Buffalo Valley Resources	Grayson, KY	C. Agg- Limestone	2302330	R1
			F. Agg- Limestone	2302339	R1
MMA1.704	Martin Marietta	Warfordsburg, PA	C. Agg-Limestone	2301716	R3
			F. Agg-Limestone	2301717	R3
BAC1.02.704	Appalachian Agg. of WV	Lewisburg, WV	C. Agg-Limestone	2300728	R1
			F. Agg-Limestone	2300729	R1
BAC1.03.704	Appalachian Agg. of WV	Mill Point, WV	C. Agg-Limestone	2300994	R1
			F. Agg-Limestone	2300995	R1
CRH13.03.704	Mountain Materials	Olive Hill, KY	C. Agg-Limestone	2302325	R1
			F. Agg-Limestone	2302327	R1
GII5.704	Greer Industries	Blaney Hollow, WV	C. Agg-Limestone	2301657	R1
			F. Agg-Limestone	2301661	R1
CLC1.03.704	Carmeuse Lime	Maysville, KY	C. Agg-Limestone	2300704	R0
			F. Agg-Limestone	2300705	R0
CLC1.704	Carmeuse Lime	Clearbrook, VA	C. Agg-Limestone	2301676	R1
			F. Agg-Limestone	2301694	R1
CLC2.704	Carmeuse Lime	Strasburg, VA	C. Agg-Limestone	2301693	R2
			F. Agg-Limestone	2301692	R2
CSS1.704	Cool Springs Stone Supply	Hopwood, PA	C. Agg-Limestone	2301660	R1
			F. Agg- Limestone	2301426	R1

List of Commercial Sources
Effective January 31, 2024
Page 3

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CSI1.704	Cranesville Stone	Cranesville, WV	C. Agg-Limestone	2302674	R1
			F. Agg-Limestone	2302675	R1
EDC1.704	Dillon, E. & Co.	Swords Creek, VA	C. Agg-Limestone	2301387	R0
			F. Agg-Limestone	2301388	R0
ERA1.704	East River Aggregates	Princeton, WV	C. Agg-Limestone	2301474	R1
			F. Agg-Limestone	2301035	R1
FMI1.704	Fairfax Materials	Petersburg, WV	C. Agg-Limestone	2301691	R0
			F. Agg-Limestone	2301699	R0
FMI4.601	Fairfax Materials	Scherr, WV	C. Agg-Limestone	2301689	R0
			F. Agg-Limestone	2301690	R0
FMI3.704	Fairfax Materials	Thomas, WV	F. Agg-Silica (Man)	2301427	R1
GII1.704	Greer Industries	Greer, WV	C. Agg-Limestone	2301663	R2
			F. Agg-Limestone	2301668	R2
GII3.704	Greer Industries (Deckers Creek)	Greer, WV	C. Agg-Limestone	2301655	R1
			F. Agg-Limestone	2301667	R1
GII2.704	Greer Lime (Germany Valley)	Riverton, WV	C. Agg-Limestone	2301431	R1
			F. Agg-Limestone	2301656	R1
HML1.703	Battletown Materials	Battletown, KY	C. Agg-Limestone	2302324 Note 1	R0
			F. Agg-Limestone	2302326 Note 1	R0

List of Commercial Sources
Effective January 31, 2024
Page 4

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HCX1.704	Hilltop (Big Bend Quarry)	Battletown, KY	C. Agg-Limestone	2302331	R0
			F. Agg-Limestone	2302329	R0
HBR1.01.704	Hilltop Basic Resources	Patriot, IN	C. Agg-Gravel	2300708	R1
			F. Agg-Silica Sand	2300709	R1
IQI1.704	Inwood Quarry	Inwood, WV	C. Agg-Limestone	2301688	R1
			F. Agg-Limestone	2301687	R1
JIC1.705	Jaymar, Inc.	Reedsville, OH	C. Agg-Gravel	2302556 Note 1	R1
			F. Agg-Silica Sand	2302555 Note 1	R2
KLC1.01.709	Keystone Lime	Springs, PA	C. Agg-Limestone	2301658	R2
			F. Agg-Limestone	2301428	R2
JCX1.704	Latham Stone	Latham, OH	C. Agg-Limestone	2302524	R0
			F. Agg-Limestone	2302523	R0
LAX1.704	Laural Aggregates	Lake Lynn, PA	C. Agg-Limestone	2301664	R1
			F. Agg -Limestone	2301669	R1
LSG1.704	Letart Sand & Gravel	Gallipolis Ferry, WV	C. Agg-Gravel	2302540	R1
			F. Agg-Silica Sand	2302539	R1
LSC1.704	Lucks Stone Co. (Goose Creek Plant)	Leesburg, VA	C. Agg-Diabase	2301685	R0
LSC2.704	Lucks Stone Co. (Leesburg Plant)	Leesburg, VA	C. Agg-Diabase	2301686	R0

List of Commercial Sources
Effective January 31, 2024
Page 5

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LSC4.704	Luck Stone Co.	Ruckersville, VA	C. Agg- Granite	2302314	R0
			F. Agg - Granite	2302315	R0
MMA4.704	Martin Marietta Aggregates	Apple Grove, OH	C. Agg-Gravel	2302559	R0
			F. Agg-Silica Sand	2302560	R0
MMA5.704	Martin Marietta Aggregates	Boonesboro, MD	C. Agg-Limestone	2301684	R0
			F. Agg-Limestone	2301683	R0
MMA1.13.704	Martin Marietta Aggregates	Petersburg, KY	C. Agg- Gravel	2300706	R0
			F. Agg- Silica Sand	2300707	R1
MMA1.02.704	Martin Marietta (Burning Springs)	Petroleum, WV	C. Agg-Limestone	2302665 Note 1	R0
			F. Agg-Limestone	2302666 Note 1	R0
MMA3.704	Martin Marietta Aggregates	Pinesburg, MD	C. Agg-Limestone	2301680	R0
			F. Agg-Limestone	2301681	R0
MMI1.700	Maryland Minerals	Accident, MD	F. Agg-Silica Sand Manufactured	2301425	R0
MSP1.01.704	Meadows Stone & Paving	Monterville, WV	C. Agg-Limestone	2300996	R1
			F. Agg-Limestone	2300997	R1
CRH01.11.704	Appalachian Aggregates	Princeton, WV	C. Agg-Limestone	2301036	R0
			F. Agg-Limestone	2301037	R2
MSG1.704	Midvale Sand & Gravel	Midvale, OH	C. Agg-Gravel	2302538 Note 1	R1
			F. Agg-Silica Sand	2302541 Note 1	R1

**List of Commercial Sources
Effective January 31, 2024
Page 6**

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CRH13.05.704	Mountain Aggregates	Elkhorn City, KY	C. Agg-Limestone	2301391	R1
			F. Agg-Limestone	2301392	R1
CRH13.06.704	Mountain Aggregates	Jenkins, KY	C. Agg-Limestone	2301393	R1
			F. Agg-Limestone	2301394	R1
CRH13.01.704	Mountain Materials (Valley Quarry)	Olive Hill, KY	C. Agg-Limestone	2302340	R0
			F. Agg-Limestone	2302342	R0
CRH3.01.704	Mulzer Stone	Cape Sandy, IN	C. Agg-Limestone	2302328	R0
			F. Agg-Limestone	2302335	R0
CRH3.02.704	Mulzer Stone (Dolomite)	Charlestown, IN	C. Agg-Limestone	2302332	R1
			F. Agg-Limestone	2302334	R1
CRH3.03.704	Mulzer Stone	New Amsterdam, IN	C. Agg-Limestone	2302333	R2
			F. Agg-Limestone	2302336	R2
NLS1.704	National Lime and Stone	Carey, OH	C. Agg-Limestone	2302531	R0
			F. Agg-Limestone	2302532	R0
NES3.704	New Enterprise Stone	Everett, PA	C. Agg-Limestone	2301722	R1
			F. Agg-Limestone	2301723	R1
NES^.704	New Enterprise	Fayetteville, PA	F. Agg- Silica Sand	2301726	R1
NES4.704	New Enterprise	Roaring Springs, PA	C. Agg- Limestone	2301727	R1
			F. Agg- Limestone	2301728	R1

List of Commercial Sources
Effective January 31, 2024
Page 7

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NSG1.704	Nugent Sand & Gravel	Milton, KY	C. Agg-Gravel	2302338	R0
			F. Agg-Silica Sand	2302337	R0
LHX2.704	Piketon Sand & Gravel	Piketon, OH	C. Agg-Gravel	2302529	R1
			F. Agg-Silica Sand	2302528	R1
LHX1.704	Hanson Aggregates (Plum Run Stone)	Peebles, OH	C. Agg-Limestone	2302527	R0
			F. Agg-Limestone	2302526	R0
CRH01.10.704	Appalachian Aggregates	Pounding Mill, VA	C. Agg-Limestone	2301382	R1
			F. Agg-Limestone	2301383	R1
CRH01.03.704	Appalachian Aggregates	Bluefield, VA	C. Agg-Limestone	2301038	R0
			F. Agg-Limestone	2301039	R0
SSC3.704	Rocky Gap Quarry	Rocky Gap, VA	C. Agg-Limestone	2301040	R1
			F. Agg-Limestone	2301041	R1
RBS1.01.704	RBS Quarry	Lewisburg, WV	C. Agg-Limestone	2300730	R1
			F. Agg-Limestone	2300731	R1
AIC4.704	Aggregate Industries	King George, VA	F. Agg.-Silica Sand	2302312	R1
RSC1.704	Yager Materials	Wolf Creek, KY	C. Agg-Limestone	2302343	R0
			F. Agg-Limestone	2302341	R0
SSC1.704	Salem Stone (Quartzite)	Sylvatus, VA	C. Agg-Quartzite	2301673	R1
			F. Agg-Quartzite	2301385	R1

List of Commercial Sources
Effective January 31, 2024
Page 8

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CRH4.05.704	Shelly Materials (Willow Island/Reno)	Marietta, OH	C. Agg-Gravel	2302554	R0
			F. Agg-Silica Sand	2302553	R1
CRH4.02.704	Shelly Materials (Portland Plant)	Portland, OH	C. Agg-Gravel	2302551	R1
			F. Agg-Silica Sand	2302552	R0
SCS1.704	South Central Sand and Gravel	Piketon, OH	F. Agg-Silica Sand	2302350	R1
SPL1.703	Specialty Granules	Blueridge Summit, PA	C. Agg-Phyllite	2301729	R2
SWV1.01.704	Appalachian Aggregates	Elkins, WV	C. Agg-Limestone	2301001	R1
			F. Agg-Limestone	2301004	R1
SSG1.704	Stocker Sand & Gravel	Gnadenhutten, OH	C. Agg-Gravel	2302542	R1
			F. Agg-Silica Sand	2302543	R1
SMP1.704	Stuart M. Perry	Winchester, VA	C. Agg-Limestone	2301678	R1
			F. Agg-Limestone	2301677	R1
SMP2.704	Stuart M. Perry	Berryville, VA	C. Agg-Limestone	2301680	R0
			F. Agg-Limestone	2301679	R0
EFS1.704	Subtropolis Mining	Petersburg, OH	C. Agg- Limestone	2302544	R1
			F. Agg- Limestone	2302545	R1
NES1.704	New Enterprise Stone	Chambersburg, PA	C. Agg-Limestone	2301720	R1
			F. Agg-Limestone	2301721	R1

**List of Commercial Sources
Effective January 31, 2024
Page 9**

<u>SOURCE CODE</u>	<u>COMPANY</u>	<u>PRODUCING SITE</u>	<u>TYPE MATERIAL</u>	<u>REPORT NUMBER</u>	<u>REACTIVITY CLASS (Note 3)</u>
NES2.704	New Enterprise Stone	Gettysburg, PA	C. Agg-Dolomite	2301724	R1
			F. Agg-Dolomite	2301725	R1
VMC1.704	Vulcan Materials	Warrenton, VA	C. Agg- Basalt	2302317	R1
			F. Agg- Basalt	2302316	R1
WSC1.704	Wythe Stone	Wytheville, VA	C. Agg-Limestone	2301042	R1
			F. Agg-Silica	2301043	R0

THE FOLLOWING SOURCE(S) ARE APPROVED FOR LIMITED APPLICATION ONLY. SEE QUALIFYING STATEMENT ON TEST REPORT TO DETERMINE WHICH APPLICATIONS ARE NOT SUITABLE FOR THIS MATERIAL.

<u>SOURCE CODE</u>	<u>COMPANY</u>	<u>PRODUCING SITE</u>	<u>TYPE MATERIAL</u>	<u>REPORT NUMBER</u>	<u>REACTIVITY CLASS (Note 3)</u>
CRH01.01.704	Appalachian Aggregates	Beckley, WV	C. Agg-Sandstone	2301032	R1
			F. Agg-Sandstone	2301033	R2

Aggregate from the above named company and producing site(s) have been sampled and tested in compliance with the 2002 Construction Manual. Said tests have been evaluated with respect to the Standard Specifications 2017 and the sources are identified as supplying materials which have been found to meet the requirements of said specs, exceptions noted above. Additional sources and/or types of material will be sampled and tested as outlined above and corresponding evaluations will be supplied as an addendum to this report. If District and/or Contractor personnel want additional sources evaluated, a request for pretest service should be made to the Materials Control, Soils and Testing Division (MCS&T Division). When the type and source of material which has current approval is used on a State job, District personnel should request coverage for same in the usual manner but a complete description of material source and quality check lab number must be provided.

List of Commercial Sources
Effective January 31, 2024
Page 10

- * **Removed from list this quarter**
- ** **Added to list this quarter**
- *** **Name change**
- **** **Location change**

Note 1:
Sources sampled and tested this quarter and assigned new report numbers.

Note 2:

Because of the additional qualifications required for Item 402, Hot-Mix Asphalt Skid Resistant Pavement, this list of sources and the corresponding report numbers may not be used for approval of any quantities of said item unless otherwise noted. Notification of acceptable and potential skid resistant aggregate sources and means of evaluation are contained in the "List of Potential Skid Resistant Sources and Ratings".

Note 3:

Alkali-Silica Reaction (ASR) : The reaction between the alkalis (sodium and potassium) present in the concrete pore solution and certain siliceous rocks or minerals, such as opaline chert, strained quartz, and acidic volcanic glass, present in significant quantities in some aggregates. The production of the reaction may cause deleterious expansion and cracking of concrete.

According to AASHTO R 80 (Standard Practice for Determining the Reactivity of Concrete Aggregates and Selecting Appropriate Measures for Preventing Deleterious Expansion in New Concrete Construction), the reactivity classes of aggregates were determined after testing of aggregates according to AASHTO T 303 (Standard Method of Test for Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction) by this division. Testing shall be performed once every 3 years. If one or both of the aggregates (coarse or fine) used in a mix is reactive (any reactivity class other than R0) , mitigation is required as specified in Section 601.3.1. This requirement applies to all concrete used in paving or permanent structures on DOH project.

RX denotes a new quarry whose material has not been tested for ASR. New ASR testing results will be posted as they are received.

Classification of Aggregate Reactivity

<i>Aggregate-Reactivity Class</i>	<i>Description of Aggregate Reactivity</i>	<i>14-Day Expansion when tested in accordance with AASHTO T 303, %</i>
R0	Non-Reactive	≤ 0.10
R1	Moderately Reactive	>0.10 to ≤ 0.30
R2	Highly Reactive	>0.30 to ≤ 0.45
R3	Very Highly Reactive	>0.45

Should you have any questions or request additional information about ASR Specification, please feel free to contact Mr. Suman Thapa at 304-414-6662 or at Suman.Thapa@WV.Gov.

XX: These newly added Sources samples have not yet been evaluated for Alkali-Silica Reaction and will be updated as available. Contact dohconcretemixdesign@wv.gov prior to use in the Concrete Mix.

LIST OF POTENTIAL SKID RESISTANT SOURCES AND RATING

The following aggregate sources have demonstrated skid resistant potential and may be considered for use in Item 402; Hot Mix Asphalt Skid Resistant Pavement. There may be inadvertent omissions from this list which would include sources unknown to the Division at the time this list was compiled. Failure to appear on this list does not necessarily preclude the use of such material providing acceptance of that material, through appropriate testing, is documented by the Division. Final acceptance will be based on test results derived prior to use and applicable to Section 402.2. Each source has been rated in accordance with the sampling and acceptance procedures applicable to that source. The different ratings for said procedures were derived dependent upon accumulated data and/or conditions existing within the quarry (production processes). To determine acceptance procedures and testing necessary for approval of a particular source, compare the applicable rating with the rating description included herewith. All sampling, testing, and documentation will be in accordance with Division policy. This list will be issued periodically as additions and/or rating changes occur.

A-1 RATING

<u>SOURCE CODE</u>	<u>COMPANY & MATERIAL</u>	<u>PRODUCTION SITE</u>	<u>SOURCE RATING</u>
CRH01.01.704	Appalachian Aggregates (Sandstone)	Beckley, WV	A-1
BAC1.704	Boxley Aggregates (Granite)	Martinsville, VA	A-1
LSC2.704	Luck Stone Co. (Diabase)	Leesburg, VA	A-1
LSC1.704	Luck Stone Co. (Leesburg Plant) (Diabase)	Leesburg, VA	A-1

List of Commercial Sources
Effective January 31, 2024
Page 13

SPL1.703	Specialty Granules (Phylite)	Blueridge Summit, PA	A-1
SSC1.704	Salem Stone (Quartzite)	Sylvatus, VA	A-1
NES1.02.704	New Enterprise Stone (Basalt)	Gettysburg, PA	A-1

A-1 RATING

The source is listed on the Division's "List of Commercial Sources". Material from this source may be used without further quality testing. Coverage for the use of this source material need only reference source report number documented on the Division's "List of Commercial Sources".

A-2 RATING

pebbles

AIC3.704	Aggregate Industries (Dolomite)	Millville, WV	A-2
JIC1.704	Jaymar, Inc. (Gravel)	Reedsville, OH	A-2
MMA4.704	Martin Marietta Aggregates (Gravel)	Apple Grove, OH	A-2
MCS2.02.704	Mulzer Stone (Dolomite)	Charlestown, IN	A-2
LHX2.704	Piketon Sand & Gravel (Gravel)	Piketon, OH	A-2
LHX1.704	Hanson Aggregates (Plum Run) (Dolomite)	Peebles, OH	A-2
CRH4.05.704	Shelly Materials (Willow Island/Reno) (Gravel)	Marietta, OH	A-2
SSG1.01.704	Stocker Sand & Gravel	Gnadenhutten, OH	A-2

A-2 RATING

Although listed on the Division's "List of Commercial Sources", this source, when used for Item 402, needs further testing, i.e., carbonate or elemental magnesium content. Coverage for the quality (LA, soundness, deleterious) of the source material may reference source report number documented on the Division's "List of Commercial Sources". Coverage for carbonate or elemental magnesium content must reference the carbonate or elemental magnesium report number. Sampling for the above tests will be performed by District personnel before utilization and at a subsequent frequency of one sample per 10,000 tons utilized.

A-3 RATING

List of Commercial Sources
Effective January 31, 2024
Page 16

JFA2.704	Allen, J. F. (Limestone)	Elkins, WV	A-3
JFA1.704	Allen, J. F. (Mashey Gap Quarry) (Limestone)	Elkins, WV	A-3
GII5.704	Greer Industries (Buckeye Stone) (Limestone)	Blaney Hollow, WV	A-3
LAX1.704	Laural Aggregates (Limestone)	Lake Lynn, PA	A-3
CRH01.02.704	Southern West Virginia Asphalt (Limestone)	Elkins, WV	A-3
CSS1.704	Cool Springs Stone Supply (Limestone)	Hopwood, PA	A-3
KLC1.02.709	Keystone Lime (Red) (Limestone)	Springs, PA	A-3

A-3 RATING

Although listed on the Division's "List of Commercial Sources", this source, when used for Item 402, must be sampled and approved per stockpile. Coverage for quality (LA, soundness, deleterious) and other qualifying skid criteria, if applicable, shall be based on sample

results generated through stockpile sampling. Sampling may be performed by District and/or Central Division (Materials Control, Soils and Testing Division) personnel.

B-1 RATING

List of Commercial Sources
Effective January 31, 2024
Page 18

LSC3.704	Luck Stone Co. (Granite)	Charlottesville, VA	B-1
VMC1.704	Vulcan Materials (Sanders Quarry) (Dolomite)	Warrenton, VA	B-1

B-1 RATING

This source is not listed on the Division's "List of Commercial Sources". Acceptance of this material shall be by the "Local Source" system of approval. That is, this source will be sampled for quality (LA, soundness, deleterious) by District personnel utilizing a sampling frequency of one sample for each 6 days of production. Because of the nature of this material, and its relationship to total production, further qualifying skid criteria is not required.

B-2 RATING

**List of Commercial Sources
Effective January 31, 2024
Page 19**

BMG2.701	Georgetown Sand & Gravel (Gravel)	Georgetown, PA	B-2
KLC1.01.709	Keystone Lime (Gray) (Limestone)	Springs, PA	B-2
NES1.05.704	New Enterprise Stone (Limestone)	Bakersville, PA	B-2
NES1.04.704	New Enterprise Stone (Limestone)	Roaring Springs, PA	B-2
CRH4.01.704	Shelly and Sands (Gravel)	Richmondale, OH	B-2

B-2 RATING

The source is not listed on the Division's "List of Commercial Sources". Acceptance of this material will be per stockpile. Coverage for quality (LA, soundness, deleterious) and other applicable qualifying skid criteria shall be based on sample results generated through stockpile sampling. Sampling may be performed by District and/or Central Division (MCS&T Division) personnel.

LIST OF LIGHTWEIGHT COARSE AGGREGATE FOR CONCRETE CONSTRUCTION

**List of Commercial Sources
Effective January 31, 2024
Page 20**

<u>SOURCE CODE</u>	<u>COMPANY</u>	<u>PRODUCING SITE</u>	<u>TYPE MATERIAL</u>	<u>REPORT NUMBER</u>
SLA1.703	Stalite	Gold Hill, NC	Stalite ¹ (Expanded Slate)	2201908
ALX1.703	Arcosa	Brooks, KY	Solite ¹ (Expanded Shale)	2202261

Lightweight Coarse Aggregate (LCA) from the above named company(ies) and producing site(s) have been sampled and tested in compliance with MP 700.00.01. Said tests have been evaluated with respect to the West Virginia Division of Highways Standard Specifications 2010, Section 703.5 Structural Concrete. ¹Source is on a stockpile by stockpile approval. When Stock pile is depleted, the source must be resampled and assigned a new approval number. ²Source pertains only to a yard stockpile. A bill of lading should be required. If District and/or Contractor personnel want additional sources evaluated, a request for pretest service should be made to the Materials Control, Soils and Testing Division (MCS&T Division). When the type and source of material which has current approval is used on a State job, District personnel should request coverage for same in the usual manner but a complete description of material source and quality check lab number must be provided.

Note 1: Sources sampled and tested this quarter and assigned new report numbers.

- * Removed from list this quarter
- ** Added to list this quarter
- *** Name change
- **** Acceptable dolomite may be used alone or as a part of a coarse aggregate blend on roadways with a projected ESAL value of less than 3,000,000. On roadways with a projected ESAL value of 3,000,000 or greater, acceptable dolomite may be used only as a part of the coarse aggregate blend and shall not exceed 50% of that blend.
- ***** The Source Rating has been changed.