



Illinois Voluntary Limestone Program **PRODUCER INFORMATION**

AUGUST 2014 Edition

Produced by:

Illinois Department of Agriculture

Illinois Department of Transportation



The application of limestone to Illinois cropland is a time tested method of controlling soil acidity. It can help maintain optimum nutrient availability and consequently, crop production. However, variations in limestone quality from the many sources available to farmers can make consistent and economical application difficult. This publication indexes many Illinois sources of agricultural limestone as a function of their effective neutralizing value. Calcium Carbonate Equivalents and Fineness Efficiency of the different limestones have all been figured for the producer.

The result is a correction factor at the end of each entry. Multiply this figure by the ton-per acre of limestone recommended in your soil test for the correct application rate of each quarry's limestone. The application rate number is figured with a one and four year conversion rate.

Figuring ENV for one year conversion rates

The effective neutralizing value of a limestone product is determined by multiplying the Calcium Carbonate Equivalent (CCE given in booklet) by the total fineness efficiency value (TFEV).

You must figure this from data included in the booklet. Total fineness efficiency values (TFEV's) are determined by first obtaining the weight percent (multiply by .01) of stone in the four particle size intervals. These are:

1. Greater than #8 mesh
2. #8 to #30 mesh
3. #30 to #60 mesh
4. #60 and finer mesh.

Obtain the greater than #8 mesh figure by subtracting the #8 mesh percent weight from 1.00. to obtain the #8 to #30 mesh, subtract the percent passing # 30 from the percent passing #8 to obtain the #30 to #60 figure, subtract the #60 from the #30. The passing #60 figure is already given in the table. Here is an example TFEV computation for particle size intervals. For more information, see "A Guide to selecting Agricultural Limestone Products", by Jonathan H. Goodwin. Illinois Mineral Note 73, November, 1973. Illinois State Geological Survey and, Illinois Agronomy Handbook 1995-96 Circular 1333, Cooperative Extension Service, U of I. Or, you may contact your County Extension Advisor.

Particle Size Interval Analysis

	Passing #8	Passing #30	Passing #60
Step 1			
Jones County Cr Stone	85.9	35.2	21.4
Weight Percent			

Step 2 (Multiply by .01)	.859	.352	.214
------------------------------------	------	------	------

Step 3
 $1.00 - .859$ (#8 figure for #8 larger particle size) = .141

Step 4 One Year Conversion Constants*

*The four bold constants are always used when figuring 1 year conversion rates.

$$.141 \times \mathbf{5} = .70$$

$$.507 \times \mathbf{20} = 10.14$$

$$.138 \times \mathbf{50} = 6.90$$

$$.214 \times \mathbf{100} = 21.4$$

39.14 = Total Fineness Efficiency Value

Step 5
 (TFEV) $39.14 \times (\text{CCE}) .9363 = 36.65$ (product)

Step 6 One Year application Rate

Always divide the product of step 5 into 46.35. $46.35 \div 36.65 = 1.26$

Step 7
 $1.26 \times$ (ton-per-acre recommendation in your soil analysis) = ton-per-acre of Jones County Cr Stone to apply.

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-074	AG-74	5001 2-04	CENTRAL STONE-LORAIN	ADAMS	LORAIN COMMON STOCKPILE	25	2.46	80.75	85.10	50.10	34.70	1.14	1.23	
L-081	AG-81	5001 2-06	CENTRAL STONE-QUINCY	ADAMS	QUINCY COMMON STOCKPILE	25	2	82.80	91.10	58.30	40	1	1.10	
L-083	AG-83	5001 2-33	CENTRAL STONE-MARBLEHEAD	ADAMS	MARBLEHEAD COMMON STOCKPILE	25	2.95	89.07	97.30	44.60	37.10	1.01	1.10	
L-099	AG-99	5007 2-01	WM CHAS. CONST.&MATERIALS	BOONE	BELVIDERE 1.8M-26.5M	19	11.4	103.18	77.40	38.30	27.30	1.08	1.10	
L-100	AG-100	5007 2-16	BEVERLY MATERIALS	BOONE	BELVIDERE 9.1M-15.2M	19	11.46	101.30	91.40	54.80	36.30	0.86	0.92	
L-102	AG-102	5007 2-04	QUALITY AGGREGATES LLC	BOONE	IRENE 0.0M-29.0M	18	11.38	100.33	71.60	36.10	24.70	1.19	1.19	
L-012	AG-12	5015 2-53	EAGLE CREEK QUARRY	CARROLL	MILLEDGEVILLE +2.7-11.0M.	21	11.47	96.44	81.20	64.10	50.60	0.78	0.94	
L-013	AG13	5015 2-78	CONMAT INC	CARROLL	LANARK 0.0-16.8 M. NW FACE	21	11.41	100.02	70.20	36.50	27.50	1.15	1.2	
L-014	AG-14	5015 2-74	WENDLING QUARRIES INC	CARROLL	MT CARROLL 18.0-31.7+3.0-18.0 M.	21	12.24	97.52	67.90	36.60	27.20	1.20	1.25	
L-134	AG-134	5015 2-92	SAVANNA QUARRIES	CARROLL	WACKER 0.0 - 31.1 M. N. FACE	19	11.27	98.77	75.40	42.20	30.70	1.06	1.12	
L-118	AG-118	5021 2-04	PANA LIMESTONE	CHRISTIAN	PANA COMBINED LEDGES	30	0.46	90.83	90.10	42.00	24.10	1.18	1.14	
L-071	AG-71	5023 2-06	CASEY STONE COMPANY	CLARK	CASEY FULL FACE	31	0.45	90.97	86.40	51.00	34.40	1.01	1.08	
L-088	AG-88	5023 2-02	MID- ILLINOIS QUARRY	CLARK	CASEY FULL FACE WEST PIT	31	0.36	86.98	98.70	46.80	28.80	1.10	1.10	
L-109	AG-109	5023 2-05	QUALITY LIME	CLARK	EAST MARSHALL WEST LEDGE REG PRODUCTION THIS SAMPLE BEFORE NEW PRODUCTION OF FM 22 MATERIAL	20	1.20	33.89	98.30	46.40	29.50	2.82	2.84	
L-110	AG-110	5029 2-02	CHARLESTON STONE	COLES	CHARLESTON EAST LEDGE REG PRODUCTION	32	1.50	68.24	99.30	51.40	31.70	1.33	1.35	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-111	AG-111	5029 2-02	CHARLESTON STONE	COLES	CHARLESTON EAST LEDGE FINE PRODUCTION	23	0.47	91.13	99.40	38.80	16.40	1.28	1.12	
L-006	AG-6	5031 2-90	VULCAN MATERIALS	COOK	BARTLETT LEVEL 1 & 2A	21	12.02	101.01	74.60	41.80	30.30	1.05	1.11	
L-046	AG-46	5031 2-78	VULCAN MCCOOK	COOK	MCCOOK VARIOUS LEDGES,CHIP PLANT SCREENING	18	11.06	95.92	89.80	49.80	34.60	0.95	1.02	
L-047	AG-47	5031 2-02	HANSON MATERIAL SERVICE	COOK	MCCOOK VARIOUS LOCATIONS	15	9.50	81.63	89.40	47.90	33.40	1.15	1.21	
L-133	AG-133	5031 2-04	HANSON MATERIAL SERVICE YARD	COOK	THORTON MAIN QUARRY LEDGES 2 & 3	19	11.11	98.84	99.90	53.61	33.40	0.89	0.92	
L-009	AG-9	5037 2-02	VULCAN MATERIALS	DEKALB	DEKALB VARIOUS LEDGES	21	12.42	101.64	96.20	63.20	46.23	0.74	0.84	
L-040	AG-40	5037 2-01	VULCAN MATERIALS	DEKALB	SYCAMORE VARIOUS LEDGES	21	11.93	96.48	89.70	50.00	36.90	0.93	1.01	
L-101	AG-101	5041 2-01	TUSCOLA STONE COMPANY	DOUGLAS	TUSCOLA VARIOUS LEDGES AND LOCATIONS	15	9.11	84.61	82.10	47.00	35.20	1.12	1.22	
L-158	AG-158	5177 2-23	SHEELY AGGREGATES	EDGAR		20	12.52	101.65						TO FINE TO SIEVE
L-097	AG-97	5061 2-02	KIMATERIALS-KANE	GREENE	KANE VARIOUS LEDGES AND LOCATIONS	27	2.80	87.80	64.40	31.20	20.90	1.53	1.49	
L-117	AG-117	5063 2-01	LAFARGE NA (AUX SABLE QUARRY)	GRUNDY	MORRIS 0-75' LEDGE	18	2.82	94.63	93.30	57.00	38.90	0.88	0.96	
L-075	AG-75	5067 2-04	R.L. O'NEAL QUARRIES	HANCOCK	PLYMOUTH 0M-12.2M LEDGE 1	24	1.50	78.61	87.60	52.80	35.30	1.14	1.22	
L-077	AG-77	5067 2-04	R.L. O'NEAL QUARRIES	HANCOCK	PLYMOUTH 13.7M-44.8M LEDGE 2 AND 3	25	3.51	89.18	82.90	51.70	38.40	1.00	1.11	
L-078	AG-78	5067 2-03	GRAY QUARRIES	HANCOCK	HAMILTON 48.8M-54.9M LEDGE 5	27	3.31	98.52	97.20	67.20	52.20	0.71	0.84	
L-087	AG-87	5067 2-03	GRAY QUARRIES	HANCOCK	HAMILTON COMMON STOCKPILE	27	2.91	90.55	69.90	33.90	26.19	1.32	1.36	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-135	AG-135	5069 2-09	LAFARGE HC #3	HARDIN	ROSICLARE VARIOUS LEDGES AND LOCATIONS	33	2	93.26	83.90	47.10	29.80	1.07	1.10	
L-143	AG-143	5069 2-04	HASTIE MINING	HARDIN	CAVE IN ROCK VARIOUS LEDGES AND LOCATIONS	33	0.20	88.36	80.40	50.50	36.60	1.04	1.14	
L-127	AG-127	5071 2-02	CESSFORD CONSTRUCTION- DALLAS CITY	HENDERSEN	DALLAS CITY KEOKUK/BURLINGTON LEDGES 120' face	31	1.54	93.43	78.60	47.50	32.80	1.05	1.12	
L-130	AG-130	5071 2-03	CESSFORD CONSTRUCTION- BIGGSVILLE	HENDERSEN	BIGGSVILLE KEOKUK & CEDAR FORK	27	3.95	82.22	87.00	58.20	43.80	0.98	1.12	
L-147	AG-147	5073 2-12	RIVERSTONE GROUP INC	HENRY	CLEVELAND LEDGES 2 & 3	19	10.92	101.9 0	90.90	43.40	27.10	1.01	1.00	
L-036	AG-36	5075 2-01	PRAIRIE MATERIALS	IROQUOIS	ASHKUM REGULAR GRINDS/ A LEDGE	29	3.39	84.6	85.00	42.50	31.39	1.18	1.25	
L-137	AG-137	5077 2-02	KINCAID STONE COMPANY	JACKSON	AVA VARIOUS LEDGES REGULAR PRODUCTION	31	1.48	86.09	84.40	41.89	26.19	1.24	1.24	
L-139	AG-139	5077 2-02	KINCAID STONE COMPANY	JACKSON	AVA VARIOUS LEDGES FINE AG LIME	32	1.07	89.86	89.70	45.10	29.39	1.10	1.12	
L-094	AG-94	5083 2-03	CALHOUN QUARRY INC EAST	JERSEY	FIELDON 30'-50' LEDGE 1 NORTH	30	1.84	93.48	96.50	50.70	33.00	0.96	1.01	
L-015	AG-15	5808 52- 61	CONMAT INC	JO DAVIESS	ELIZABETH 2.5-22.3 M. N. FACE, UPPER LEDGE	21	12.41	100.8 1	79.09	42.39	30.19	1.03	1.08	
L-016	AG-16	5085 2-90	LOUIE'S AGGREGATE COMPANY	JO DAVIESS	GUILFORD 0.0-13.7 M.	21	12.01	97.33	71.30	34.30	24.40	1.25	1.26	
L-020	AG-20	5085 2-17	LOUIE'S AGGREGATE COMPANY	JO DAVIESS	NORA 0.0-10.7 M. S. FACE	22	12.15	98.06	72.80	36.50	26.80	1.17	1.21	
L-026	AG-26	5085 2-45	HDI QUARRY	JO DAVIESS	PLEASANT VALLEY 9.1 - 14.6 M. LOWER LEDGE	16	8.77	71.52	91.20	58.50	46.60	1.04	1.21	
L-017	AG-17	5085 2-18	CONMAT INC	JODAVIESS	SCALES MOUND 0.0-12.2 M. N. FACE	21	11.78	95.84	83.50	43.40	31.60	1.04	1.10	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-024	AG-24	5085 2-67	CONMAT INC	JODAVIESS	STOCKTON 0.0 - 15.2 M. E. FACE	21	12.10	99.44	75.00	37.70	28.50	1.11	1.17	
L-025	AG-25	5085 2-20	FISCHER EXCAVATING INC	JODAVIESS	STOCKTON 0.0 - 18.3 M. E. FACE	20	11.92	96.68	76.90	41.20	30.80	1.08	1.15	
L-138	AG-138	5087 2-02	SHAWNEE STONE	JOHNSON	CYPRESS VARIOUS LEDGES AND LOCATIONS	32	1.36	93.02	86.30	45.60	27.70	1.10	1.10	
L-032	AG-32	5089 2-01	LAFARGE CONCO	KANE	NORTH AURORA FINE AGLIME	29	6.32	96.23	99.90	83.59	60.30	0.64	0.77	
L-033	AG-33	5089 2-01	LAFARGE CONCO	KANE	NORTH AURORA COARSE AGLIME	30	5.75	94.48	76.00	47.20	36.80	1.00	1.12	
L-034	AG-34	5091 2-02	VULCAN LEHIGH	KANKAKEE	KANKAKEE FINE GRIND/LEDGE 1	19	11.10	88.57	90.60	51.90	39.90	0.97	1.08	
L-037	AG-37	5091 2-04	VULCAN MATERIALS	KANKAKEE	MANTENO REGULAR GRIND/ DE LEDGE	20	11.37	94.05	74.80	35.90	24.90	1.25	1.26	
L-038	AG-38	5091 2-06	PRAIRIE MATERIALS	KANKAKEE	MANTENO REGULAR GRINDS / B LEDGE	19	11.05	87.83	81.80	38.50	26.10	1.26	1.27	
L-089	AG-89	5093 2-03	LAFARGE NORTH AMERICA	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS FINE	18	10.30	99.33	87.10	49.30	32.70	0.95	1.00	
L-092	AG-92	5093 2-02	VULCAN-LISBON	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS FINE MATERIAL	18	10.66	98.47	95.10	48.50	34.00	0.93	0.98	
L-093	AG-93	5093 2-02	VULCAN-LISBON	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS COURSE MATERIAL	18	10.32	97.69	71.00	34.10	25.90	1.22	1.26	
L-131	AG-131	5093 2-01	CENTRAL LIMESTONE	KENDALL	LISBON VARIOUS LEDGES AND LOCATIONS	22	11.38	99.14	89.30	50.40	33.70	0.93	0.98	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-008	AG-8	5099 2-04	RIVERSTONE GROUP INC	LASALLE	OGLESBY IL VARIOUS LEDGES	32	3.64	97.11	84.70	53.00	39.60	0.89	1.00	
3	AG-43	5099 2-01	RIVERSTONE GROUP INC	LASALLE	TROY GROVE VARIOUS LEDGES SAND FINE LIME	19	10.89	96.13	72.20	30.80	19.30	1.39	1.31	
L-044	AG-44	5099 2-01	RIVERSTONE GROUP INC	LASALLE	TROY GROVE VARIOUS LEDGES EXTRA FINE LIME	15	8.69	96.80	98.60	90.50	87.50	0.53	0.74	
L-045	AG-45	5099 2-01	RIVERSTONE GROUP INC	LASALLE	TROY GROVE VARIOUS LEDGES FINE LIME	18	10.81	94.85	98.30	60.40	48.10	0.79	0.92	
L-105	AG-105	5099 2-02	LAFARGE-UTICA	LASALLE	UTICA VARIOUS LEDGES AND LOCATIONS FINE LIME	14	8.66	78.06	97.50	49.00	33.40	1.16	1.21	
L-068	AG-68	5103 2-73	CONMAT-PALMYRA	LEE	DIXON LEDGE-006 4.6 - 19.8M (15-65')	18	11.07	104.15	79.70	50.50	39.20	0.86	0.97	
L-141	AG-141	5103 2-76	RENNER QUARRIES LTD	LEE	ELDENA 008 3M-23.2M	20	11.21	101.45	81.59	57.60	39.70	0.84	0.93	
-107	AG-107	5105 2-09	PRAIRIE MATERIALS	LIVINGSTON	OCOYA 6.0 M FACE	28	0.90	78.66	95.30	48.20	30.60	1.20	1.22	
L-108	AG-108	5105 2-19	VALLEY VIEW INDUSTRIES	LIVINGSTON	MCDOWELL 4.0 M LEDGE BLENDED LIME	27	0.94	90.62	93.90	52.50	34.60	0.98	1.03	
L-112	AG-112	5105 2-19	VALLEY VIEW INDUSTRIES	LIVINGSTON	MCDOWELL 4.0 M LEDGE FINE (MILLED) LIME	33	0.87	85.80	96.70	67.10	46.30	0.86	0.97	
L-123	AG-123	5107 2-05	HANSON MATERIAL SERVICE YARD 10	LOGAN	LINCOLN COMBINED LEDGES	36	1.12	84.59	78.60	39.90	25.19	1.32	1.32	
L-095	AG-95	5119 2-01	KIMATERIALS-KANE	MADISON	VARIOUS LEDGES AND LOCATIONS	23	5.15	86.86	85.70	48.90	36.70	1.05	1.15	
L-098	AG-98	5119 2-02	BLUFF CITY MINERALS	MADISON	BLUFF CITY ANFO HEADINGS 3E15 BENCH 2E36	31	1.78	94.40	79.70	39.60	25.30	1.18	1.18	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-106	AG-106	5119 2-04	ITICAL PELLET LIME	MADISON	ALTON LEDGES 1-2 ANFO HEADINGS 3E15 BENCH 2E36	28	3.11	88.29						PELLIME
L-129	AG-129	5109 2-03	CENTRAL STONE-TENNESSEE	MCDONOUGH	COLCHESTER L1	29	0.68	75.85	85.10	50.20	34.50	1.22	1.31	
L-124	AG-124	5129 2-02	HANSON MATERIAL SERVICE YARD 17	MENARD	ATHENS COMBINED LEDGES	32	0.42	85.83	86.80	38.50	26.60	1.26	1.26	
L-064	AG-64	5133 2-04	COLUMBIA QUARRY #7	MONROE	WATERLOO 24.4M LEDGE 1-3	30	2.71	91.59	83.59	38.50	26.60	1.18	1.2	
L-119	AG-119	5135 2-03	NOKOMIS QUARRY	MONTGOMER Y	NOKOMIS COMBINED LEDGES FINE GRIND AG LIME	33	0.56	91.97	99.10	50.60	30.50	1.00	1.01	
L-120	AG-120	5135 2-03	NOKOMIS QUARRY	MONTGOMER Y	NOKOMIS COMBINED LEDGES COURSE AG LIME	34	0.56	98.26	80.10	38.80	23.20	1.17	1.14	
L-121	AG-121	5135 2-01	HANSON MATERIAL SERVICE YARD 12	MONTGOMER Y	NOKOMIS COMBINED LEDGES	33	0.57	94.95	96.40	46.10	28.00	1.03	1.03	
L-122	AG-122	5135 2-04	HANSON MATERIAL SERVICE YARD 58	MONTGOMER Y	NOKOMIS COMBINED LEDGES	37	0.63	92.5	100	99.60	95.30	0.51	0.73	
L-011	AG-11	5141 2-92	WAGNER AGGREGATES-FAIRDALE	OGLE	MONROE CENTER LEDGE 008 (0.0-22.3)	22	12.17	102.61	78.40	46.20	31.70	0.97	1.03	
L-069	AG-69	5141 2-47	MARTIN MATERIALS	OGLE	OREGON +1.0-16.8M	17	10.36	101.96	74.20	39.50	29.70	1.06	1.12	
L-113	AG-113	5149 2-42	V.H. CALLENDER	PIKE	PERRY LEDGE 5	30	0.99	93.39	85.40	51.30	35.30	0.98	1.05	
L-114	AG-114	5149 2-01	V.H. CALLENDER	PIKE	NEW HARTFORD LEDGE 1	33	0.55	90.52	84.50	51.90	36.60	0.99	1.08	
L-010	AG-10	5149 2-04	CENTRAL STONE	PIKE	FLORENCE .75 MILES NORTH LEDGE 5	36	1.44	94.07	75.00	43.60	31.70	1.09	1.17	
L-073	AG-73	5149 2-05	CENTRAL STONE-KINDERHOOK	PIKE	KINDERHOOK COMMON STOCKPILE	31	0.62	89.67	95.10	56.80	39.40	0.92	1.01	
L-076	AG-76	5230 2-28	W.B.SMITH	PIKE	LOUISIANA COMMON STOCKPILE	33	0.51	98.75	97.50	55.60	36.20	0.86	0.91	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-080	AG-80	5149 2-41	CENTRAL STONE- FESLER	PIKE	BARRY COMMON STOCKPILE	32	0.36	92.74	91.30	55.50	40.10	0.90	1.00	
L-115	AG-115	5210 2-33	MARTIN MARIETTA	PUTNAM	CLOVERDALE 58' FACE-WEST PIT,SOUTH SIDE,LEDGES 101-402	33	0.23	89.81	87.70	50.00	29.60	1.08	1.09	
L-061	AG-61	5157 2-04	BLUFF CITY MATERIAL	RANDOLPH	PRAIRIE DUROCHER 8.5 M LEDGE 1	35	0.22	97.22	80.00	45.60	28.70	1.06	1.08	
L-146	AG-146	5220 2-10	RIVERSTONE GROUP INC	ROCK ISLAND	LECLAIRE VARIOUS LEDGES AND LOCATIONS AG LIME	20	11.07	103.41	90.10	46.60	31.70	0.93	0.96	
L-148	AG-148	5161 2-31	RIVERSTONE GROUP INC	ROCK ISLAND	MILAN VARIOUS LEDGES AND LOCATIONS	19	9.62	91.24	82.10	44.00	29.10	1.13	0.82	
L-149	AG-149	5161 2-23	RIVERSTONE GROUP INC	ROCK ISLAND	OSBORN LEDGES 1 & 2	20	10.80	94.82	89.10	47.50	31.00	1.02	1.14	
L-151	AG-151	5220 2-10	RIVERSTONE GROUP INC	ROCK ISLAND	LECLAIRE VARIOUS LEDGES HY-G	28	11.40	82.15	99.80	99.40	97.70	0.57	0.71	
L-152	AG-152	5220 2-10	RIVERSTONE GROUP INC	ROCK ISLAND	LECLAIRE VARIOUS LEDGES GR-32 SCREENINGS	32	11.50	104.13	79.80	32.60	14.20	1.31	1.07	
L-153	AG-153	5220 2-16	RIVERSTONE GROUP INC	ROCK ISLAND	MCCAUSLAND VARIOUS LEDGES	32	10.84	103.29	90.20	61.10	49.30	0.73	0.86	
L-125	AG-125	5171 2-01	V.H. CALLENDER	SCOTT	GLASGOW LEDGE 1	34	0.96	93.14	80.80	38.50	26.60	1.06	1.13	
L-084	AG-84	5173 2-01	BRUSH CREEK QUARRY	SHELBY	STEWARDSON FULL FACE	8	0.43	24.65	79.30	48.20	37.40	3.76	4.19	
L-063	AG-63	5163 2-09	COLUMBIA QUARRY #9	ST CLAIR	DUPO 18.9M LEDGE 1A-5	31	1.69	90.50	95.90	78.40	60.80	0.70	0.86	
L-155	AG-155	5163 2-03	FALLINGS SPRINGS	ST CLAIR	DUPO LEDGE 1B	34	3.34	93.20	86.90	48.80	33.50	1.01	1.07	
L-157	AG-157	5163 2-05	CASPER STOLLE	ST CLAIR	DUPO LEDGE 12	35	0.77	93.68	75.00	32.70	20.80	1.36	1.3	
L-018	AG-18	5177 2-83	CONMAT INC	STEPHENSON	PEARL CITY 0.0-15.2 M. N. FACE	21	12.03	98.60	69.30	35.90	26.20	1.20	1.23	
L-019	AG-19	5177 2-51	FISCHER EXCAVATING INC	STEPHENSON	FREEPORT 0.0-9.1 M. N. FACE	21	12.65	101.90	79.40	47.80	36.00	0.92	1.02	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-021	AG-21	5177 2-04	DOC'S EXCAVATING	STEPHENSON	LENA +3.0-15.2 M. W. FACE	21	11.78	102.93	78.50	47.30	35.20	0.93	1.02	
L-022	AG-22	5177 2-28	CONMAT INC	STEPHENSON	FREEPORT 15.2-30.5 M.	20	11.24	92.13	89.20	68.10	59.50	0.73	0.92	
L-023	AG-23	5177 2-27	CONMAT INC	STEPHENSON	ORANGEVILLE 0.0 - 15.2 M.	20	11.96	99.11	80.70	46.60	30.40	1.01	1.05	
L-136	AG-136	5181 2-02	ANNA QUARRIES INC	UNION	ANNA VARIOUS LEDGES AND LOCATIONS	31	2.10	90.28	89.30	39.90	24.80	1.20	1.17	
L-144	AG-144	5181 2-03	SHAWNEE STONE	UNION	JONESBORO VARIOUS LEDGES AND LOCATIONS	36	0.55	97.38	87.70	59.70	43.00	0.83	0.93	
L-042	AG-42	5183 2-01	HANSON MATERIAL SERVICE	VERMILLION	FAIRMOUNT SOUTH CUT 15'-18' LEDGE	37	0.47	92.68	97.30	66.50	46.90	0.79	0.90	
L-126	AG-126	5187 2-02	MONMOUTH QUARRY	WARREN	MONMOUTH KEOKUK/BURLINGTON LEDGES	36	4.65	97.0	89.90	62.90	46.10	0.79	0.91	
L-132	AG-132	5187 2-01	RIVERSTONE-VALLEY QUARRY	WARREN	ST AUGUSTINE,IL 60' LEDGE	29	2.16	85.46	94.80	63.40	46.10	0.88	1.01	
L-027	AG-27	5197 2-19	VULCAN MATERIALS LARAWAY	WILL	JOLIET 0 TO 90 FEET SOUTH FACE	18	10.41	95.20	68.30	31.40	22.30	1.36	1.34	
L-028	AG-28	5197 0-29	BOUGHTON TRUCKING	WILL	PLAINFIELD 0-135 FEET NORTH FACE	19	10.76	85.97	49.50	17.40	13.40	2.21	1.99	
L-029	AG-29	5197 2-20	MINING INTERNATIONAL	WILL	JOLIET UNDERGROUND MINE FEED 2	21	11.83	102.63	71.30	36.00	25.70	1.15	1.17	
L-030	AG-30	5197 2-15	LAFARGE	WILL	JOLIET UNDERGROUND MINE LEVEL 1 HEADING & BENCH	21	11.82	96.91	95.60	60.80	43.90	0.80	0.90	
L-031	AG-31	5197 2-09	VULCAN MATERIALS LARAWAY	WILL	BOLINGBROOK UNDERGROUND MINE LEVELS 1,3 & 4	29	5.93	93.72	89.40	60.50	46.80	0.82	0.96	
L-048	AG-48	5197 2-10	ELM HURST CHICAGO STONE	WILL	BOLINGBROOK VARIOUS LOCATIONS	16	9.84	85.37	59.10	15.30	4.90	3.39	1.92	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-049	AG-49	5197 2-04	VULCAN MATERIALS	WILL	ROMEOWILLE VARIOUS LOCATIONS SPLIT WITH ALBERT COLON DEPT AGG RED TAG # 0002340	22	9.48	100.48	77.80	44.00	32.60	1.00	1.07	
L-065	AG-65	5197 2-02	HANSON MATERIAL SERVICE	WILL	ROMEOWILLE NORTH FACE 0 TO 132 FEET WEST QUARRY	15	8.88	81.97	76.70	38.90	21.10	1.46	1.39	
L-103	AG-103	5201 2-31	ROGERS R/M & MATERIALS	WINNEBAGO	CHERRY VALLEY LEDGE 2 12.2M-26.5M	19	11.64	102.11	81.00	50.50	30.90	0.95	0.99	
L-104	AG-104	5201 2-31	ROGERS R/M & MATERIALS	WINNEBAGO	CHERRY VALLEY LEDGE 1 0.0-12.2M	18	11.05	99.17	73.40	45.60	28.10	1.07	1.10	
L-150	AG-150	5220 2-06	WENDLING QUARRIES INC	CLINTON	CAMANCHE VARIOUS LEDGES AND BEDS	23	11.07	102.63	82.30	47.30	34.30	0.93	0.86	
L-072	AG-72	5210 2-11	MULZER CRUSHED STONE	CRAWFORD	ENGLISH LEDGE 4	29	3.37	95.95	91.50	45.70	30.90	1.01	1.04	
L-086	AG-86	5210 2-18	MULZER CRUSHED STONE	CRAWFORD	VARIOUS LEDGES AND LOCATIONS	30	2.13	94.11	100.0	61.10	39.5	0.85	0.91	
L-140	AG-140	5087 2-03	SOUTHERN ILLINOIS STONE	JOHNSON	BUNCOMBE VARIOUS LEDGES AND LOCATIONS	30	1.13	89.71	76.30	35.30	22.90	1.34	1.31	
L-007	AG-7	5089 2-02	LAFARGE	KANE	SOUTH ELGIN LEVEL 1 BENCH	22	12.67	102.32	66.40	33.30	23.60	1.23	1.24	
L-067	AG-67	5210 2-34	HERITAGE AGGREGATES	LAKE	LOWELL COURSE GRIND / LEVEL 3	18	11.40	104.18	76.20	38.10	25.40	1.10	1.10	
L-128	AG-128	5210 2-36	PRAIRIE	LAKE	LOWELL COURSE AG LIME	19	11.38	90.73	66.50	32.80	24.40	1.38	1.40	
L-085	AG-85	5210 2-04	ROGERS GROUP-MITCHELL CRUSHED STONE	LAWRENCE	MITCHELL LEDGES 3-7	33	0.51	94.39	85.60	41.70	26.20	1.13	1.12	
L-082	AG-82	5230 2-46	CENTRAL STONE-TAYLOR	MARION	TAYLOR COMMON STOCKPILE	28	1.10	86.91	93.00	57.70	38.80	0.96	1.04	
L-001	AG-1	5240 2-99	FRANKLIN AGGTEGATE	MILWAUKEE	FRANKLIN WI LEVEL 9,10	19	10.95	96.72	68.90	36.10	26.60	1.21	1.26	

Limestone Analysis Report Summary

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-090	AG-90	5210 2-07	ROGERS GROUP-BLOOMINGTON CR ST	MONROE	BLOOMINGTON LEDGES 4-6	32	0.76	95.44	84.50	57.60	33.20	0.94	0.98	
L-041	AG-41	5210 3-22	WHITESVILLE	MONTGOMER Y	CRAWFORDSVILLE PRODUCED FROM STEEL SLAG	23	6.33	69.63	99.80	59.50	32.40	1.23	1.25	
L-145	AG-145	5220 2-09	WENDLING QUARRIES INC	MUSCATINE	ATALISSA VARIOUS LEDGES AND BEDS	31	1.52	90.25	86.20	47.00	32.20	1.07	1.12	
L-035	AG-35	5210 2-01	NEWTON COUNTY STONE	NEWTON	KENTLAND COURSE GRINDS/AREA 8,LEVEL A, LEDGES 1-2	21	12.18	97.88	85.00	35.5	24.20	1.17	1.15	
L-039	AG-39	5210 2-01	NEWTON COUNTY STONE	NEWTON	KENTLAND FINE GRINDS/AREA 8,LEVEL A,LEDGES 1-2	21	12.21	99.34	94.50	39.10	25.20	1.07	1.05	
L-062	AG-62	5210 3	EDW C LECY COMPANY	NONE	ACBF 002 FA00	36	5.76	79.40	98.70	75.10	25.50	1.06	0.99	
L-066	AG-66	7700 0-97	CAVE QUARRIES INC	ORANGE	PAOLI LEDGE 301-1502	30	1.02	94.69	98.50	56.30	36.30	0.89	0.94	
L-070	AG-70	5210 2-10	CALCAR QUARRIES INC	ORANGE	PAOLI LEDGES 1-16	31	1.85	95.92	88.10	45.50	29.00	1.04	1.06	
L-091	AG-91	5210 2-31	ROGERS GROUP-OWEN VALLEY QUARRY	OWEN	SPENCER LEDGES 201-501	28	2.00	88.63	85.90	43.10	28.30	1.16	1.18	
L-060	AG-60	5230 2-41	LAFARGE	PERRY	PERRYVILLE 19.5 M,LEDGES 2 + 3	32	1.37	93.68	89.50	37.00	22.80	1.21	1.16	
L-005	AG-5	5240 2-01	PAYNE & DOLAN	RACINE	RACINE WI COMBINED LEDGES	19	11.06	89.07	77.10	41.00	30.60	1.18	1.25	
L-079	AG-79	5230 2-04	CENTRAL STONE-HAMILTON	RALLS	HUNTINGTON COMMON STOCKPILE	32	0.29	91.79	99.60	77.50	51.80	0.73	0.84	
L-116	AG-116	5240 2-96	LITTLE LIMESTONE	ROCK	CLINTON 12.2 M - 18.3 M	33	10.98	98.22	82.30	65.20	55.70	0.73	0.91	
L-156	AG-156	5230 2-07	BUSSEN AT KOCH	ROCK ISLAND	ST LOUIS LEDGES 5 - 15	36	0.82	91.72	82.80	37.90	24.00	1.24	1.21	
L-096	AG-96	5230 2-53	CENTRAL STONE	ST LOUIS	ST LOUIS 3-9	30	2.23	90.49	99.80	99.70	96.70	0.52	0.75	
L-154	AG-154	5230 2-02	BUSSEN AT ANTIRE	ST LOUIS	FLORISSANT LEDGES 10 - 27	29	5.51	96.03	99.70	99.50	98.10	0.49	0.719	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-050	AG-50	5230 2-70	APAC	STE.GENEVIEV E	BLOOMSDALE VARIOUS LOCATIONS	34	0.78	96.62	99.00	66.30	47.90	0.76	0.87	
L-051	AG-51	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND CODE H	32	0.22	91.28	97.50	92.90	87.80	0.56	0.78	
L-052	AG-52	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND R- 0 SOIL CONDITIONER	36	0.18	96.48	51.80	37.10	27.60	1.27	1.37	
L-053	AG-53	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND CODE L	41	0.23	96.41	100.0	99.20	95.60	0.49	0.70	
L-054	AG-54	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND LIME HYDRATE	43	0.30	123.94	93.50	92.60	92.30	0.40	0.58	
L-055	AG-55	5230 2-39	TOWER ROCK STONE	STE.GENEVIEV E	STE.GENEVIEVE VARIOUS LOCATIONS	33	1.15	93.05	97.30	65.10	41.40	0.83	0.91	
L-056	AG-56	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND CALCIUM CARBONATE	35	0.21	96.61	97.70	95.20	93.00	0.51	0.72	
L-057	AG-57	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND R- 2 SOIL CONDITIONER	35	0.17	98.01	100.0	100.0	99.30	0.47	0.69	
L-058	AG-58	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND CODE HA	21	0.19	60.35	97.40	92.50	88.70	0.84	1.18	
L-059	AG-59	5230 2-08	MISSISSIPPI LIME COMPANY	STE.GENEVIEV E	STE.GENEVIEVE 30M UNDERGROUND R- 1 SOIL CONDITIONER	33	0.18	96.96	100.0	73.80	29.50	0.84	0.81	
L-142	AG-142	5210 2-30	LINCOLN PARK STONE	VIGO	PUTTAMVILLE L. 1-6	33	0.67	91.88	99.30	54.80	35.50	0.93	0.98	
L-002	AG-2	5240 2-05	WAUKESHA LIME	WAUKESHA	WAUKESHA WI COMBINED LEDGES 0- 185	21	12.71	103.44	90.70	39.70	31.20	0.97	1.02	
L-003	AG-3	5240 2-10	HALQUIST STONE	WAUKESHA	SUSSEX WI NORTHSIDE COMBINED LEDGES	20	10.94	89.33	97.00	80.20	66.70	0.68	0.88	

Limestone Analysis Report Summary

Samples L-001 – L-0159

Lab No.	IDOT Test #	IDOT P/S #	Producer Name	County	City Address Stockpile or Ledge Location	Calcium	%Mg Results	% CCE Results	Sieve 8	Sieve 30	Sieve 60	Corre ction 1 Yr	Factor 4 Yr.	Comment
L-004	AG-4	5240 2-64	LANNON STONE	WAUKESHA	SUSSEX WI LEDGE 2 67-100'	20	11.70	96.26	54.80	24.40	17.60	1.64	1.56	