

OKLAHOMA MATERIAL SOURCES FOR PORTLAND CEMENT CONCRETE

REPORT NUMBER OK 96(03)

SPECIAL INVESTIGATION REPORT

February, 1996

**Curtis J. Hayes
Branch Manager**

**Kimberly L. Gordon
Project Manager**

Staff of Materials Division

**Research, Development and Technology Transfer
Oklahoma Department of Transportation
200 N.E. 21st Street, Room 2A2
Oklahoma City, OK 73105
(405) 521-2671**

**OKLAHOMA MATERIAL SOURCES
FOR
PORTLAND CEMENT CONCRETE**

SPECIAL INVESTIGATION REPORT

February, 1996

**Curtis J. Hayes
Branch Manager**

**Kimberly L. Gordon
Project Manager**

Staff of Materials Division

**Research, Development and Technology Transfer
Oklahoma Department of Transportation
200 N.E. 21st Street, Room 2A2
Oklahoma City, OK 73105
(405) 521-2671**

TECHNICAL REPORT DOCUMENTATION PAGE

1. REPORT NO. OK 96(03)	2. GOVERNMENT ACCESSION NO.	3. RECIPIENT'S CATALOG NO. TE 200, 044 1996
4. TITLE AND SUBTITLE Oklahoma Material Sources for Portland Cement Concrete		5. REPORT DATE February 1996
		6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) Curtis J. Hayes Kimberly L. Gordon		8. PERFORMING ORGANIZATION REPORT
		10. WORK UNIT NO.
9. PERFORMING ORGANIZATION ADDRESS Oklahoma Department of Transportation Research, Development and Technology Transfer 200 NE 21st Street, Room 2A2 Oklahoma City, Oklahoma 73105		11. CONTRACT OR GRANT NO.
		13. TYPE OF REPORT AND PERIOD COVERED
12. SPONSORING AGENCY NAME AND ADDRESS		14. SPONSORING AGENCY CODE
15. SUPPLEMENTARY NOTES		
16. ABSTRACT Traditionally, Oklahoma Department of Transportation (ODOT) specifications and the high quality of the limestones and shales used for the production of Portland cement concrete (PCC) materials have prevented any significant alkali-silica reactions (ASR) on their structures or pavements. The materials that could affect ASR include: Portland cement, fly ash, coarse aggregate, fine aggregate, and water. This report contains location information for the mineral ingredients used in Portland cement concrete in ODOT pavements and structures.		
17. KEY WORDS Alkali-silica reaction, aggregate sources, Portland Cement	18. DISTRIBUTION STATEMENT No restrictions. This publication is available from the Research and Development Division, Oklahoma DOT.	
19. SECURITY CLASSIF. (OF THIS REPORT) Unclassified	20. SECURITY CLASSIF. (OF THIS PAGE) Unclassified	21. NO. OF PAGES 72
		22. PRICE

The contents of this report reflect the views of the author(s) who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the views of the Oklahoma Department of Transportation or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation. While trade names may be used in this report, it is not intended as an endorsement of any machine, contractor, process or product.

SI (METRIC) CONVERSION FACTORS

<i>Approximate Conversions to SI Units</i>					<i>Approximate Conversions from SI Units</i>				
Symbol	When you know	Multiply by	To Find	Symbol	Symbol	When you know	Multiply by	To Find	Symbol
LENGTH					LENGTH				
in	inches	25.40	millimeters	mm	mm	millimeters	0.0394	inches	in
ft	feet	0.3048	meters	m	m	meters	3.281	feet	ft
yd	yards	0.9144	meters	m	m	meters	1.094	yards	yd
mi	miles	1.609	kilometers	km	km	kilometers	0.6214	miles	mi
AREA					AREA				
in ²	square inches	645.2	square millimeters	mm ²	mm ²	square millimeters	0.00155	square inches	in ²
ft ²	square feet	0.0929	square meters	m ²	m ²	square meters	10.764	square feet	ft ²
yd ²	square yards	0.8361	square meters	m ²	m ²	square meters	1.196	square yards	yd ²
ac	acres	0.4047	hectares	ha	ha	hectares	2.471	acres	ac
mi ²	square miles	2.590	square kilometers	km ²	km ²	square kilometers	0.3861	square miles	mi ²
VOLUME					VOLUME				
fl oz	fluid ounces	29.57	milliliters	mL	mL	milliliters	0.0338	fluid ounces	fl oz
gal	gallons	3.785	liters	L	L	liters	0.2642	gallons	gal
ft ³	cubic feet	0.0283	cubic meters	m ³	m ³	cubic meters	35.315	cubic feet	ft ³
yd ³	cubic yards	0.7645	cubic meters	m ³	m ³	cubic meters	1.308	cubic yards	yd ³
MASS					MASS				
oz	ounces	28.35	grams	g	g	grams	0.0353	ounces	oz
lb	pounds	0.4536	kilograms	kg	kg	kilograms	2.205	pounds	lb
T	short tons (2000 lb)	0.907	megagrams	Mg	Mg	megagrams	1.1023	short tons (2000 lb)	T
TEMPERATURE (exact)					TEMPERATURE (exact)				
°F	degrees Fahrenheit	(°F-32)/1.8	degrees Celsius	°C	°C	degrees Celsius	9/5+32	degrees Fahrenheit	°F
FORCE and PRESSURE or STRESS					FORCE and PRESSURE or STRESS				
lbf	poundforce	4.448	Newtons	N	N	Newtons	0.2248	poundforce	lbf
lb/in ²	poundforce per square inch	6.895	kilopascals	kPa	kPa	kilopascals	0.1450	poundforce per square inch	lb/in ²

Table of Contents

EXECUTIVE SUMMARY	vi
ALKALI-SILICA REACTION	1
COARSE AGGREGATES	3
FINE AGGREGATES	13
CEMENT	18
FLY ASH	24
REFERENCE	28
APPENDIX A	
ODOT MATERIALS DIVISION	
AGGREGATE INFORMATION	29
APPENDIX B	
ODOT SPECIFICATION 701.06: COARSE AGGREGATE	31
APPENDIX C	
ODOT SPECIFICATION 701.05: FINE AGGREGATE	33
APPENDIX D	
ODOT SPECIFICATION 701.02: PORTLAND CEMENT	35
APPENDIX E	
ODOT SPECIFICATION 702.01: FLY ASH	37

List of Tables

Table 1. Coarse Aggregate Information.	4
Table 2. Mineral Type Frequency.	7
Table 3. Fine Aggregate Sources Information	16
Table 4. ODOT Approved Portland Cement Sources.	19
Table 5. Cement Information.	20
Table 6. Approved ODOT Fly Ash Sources	25
Table 7. Fly Ash Information.	26

List of Figures

Figure 1A. Coarse Aggregate Sites.	8
Figure 1B. Coarse Aggregate Sites.	9
Figure 1C. Coarse Aggregate Sites.	10
Figure 1D. Coarse Aggregate Sites.	11
Figure 1E. Coarse Aggregate Sites.	12
Figure 2. Fine Aggregate Sites.	17
Figure 3A. Cement Sites.	22
Figure 3B. Cement Sites.	23
Figure 4. Fly Ash Sites.	27

EXECUTIVE SUMMARY

This report contains location information for the mineral ingredients used in Portland cement concrete (PCC) in Oklahoma Department of Transportation pavements and structures. Portland cement and fly ash are considered to be low alkali in quality. Most of the coarse aggregates used in Oklahoma are limestones, which are non-reactive; the fine aggregates are usually siliceous sands. Generally, Oklahoma Department of Transportation (ODOT) structures do not suffer alkali-silica degradation. Appendix A provides test data for the mineral aggregates.

ALKALI-SILICA REACTION

MATERIALS SOURCES IN OKLAHOMA

Traditionally, Oklahoma Department of Transportation (ODOT) specifications and the high quality of the limestones and shales used for the production of Portland cement concrete (PCC) materials have prevented any significant ASR reactions on their structures or pavements. The possibility does exist, since many city streets and low type structures around the state do show evidence of ASR. Siliceous aggregates, such as chert, in the coarse aggregate size fraction, along with the abundant quartz sand fine aggregates probably produce the classical manifestations of ASR. The materials used in Oklahoma that could affect ASR include: Portland cement, fly ash, coarse aggregate, fine aggregate, and water.

Generally speaking, the Portland cement sources for Oklahoma have traditionally not been "high alkali" in nature. No problems are anticipated for the future. The Class C fly ashes that are used in Oklahoma are all derived from the combustion of subbituminous rank "western" coals. These coals are all from the Wyoming and Montana areas; the out-of-state power plants use the same coals. In addition, the power plants are the "modern" type and handle, pulverize and burn the coal in a similar manner. This produces an unusually consistent quality of high lime Class C fly ash. The Sodium (Na_2O) and Potassium (K_2O) contents are low at all the sources and will not contribute to ASR. Likewise, the autoclave expansion is low for both the Portland cement and fly ash.

The coarse aggregates are generally considered to be the prime source of ASR whenever it occurs. In Oklahoma and the surrounding states, limestone is the predominant aggregate used for Portland cement concrete. Unless an unusual amount of silica is present in the limestone, it is normally not a problem. Sandstone, dolomite, and granite (includes some rhyolite, diorite and anorthosite) are also used without significant problems. The vast majority, probably 90%+ of coarse aggregates used are limestone and dolomite with most of the remaining 5% being sandstone and gravel.

The fine aggregates used are primarily quartz sands with a high percentage of feldspar. These materials do not seem to cause any ASR problems.

The remainder of this report provides figures and tables showing the types and locations of the various sources in Oklahoma and surrounding states. It depicts, with Oklahoma maps and dots, the locations of the sources within the state. The dots also approximate the locations in the state of Texas. The locations in the other contiguous states are depicted as dots outside the border of the Oklahoma outline. Tables have been developed showing rock type, supplier, county, state and pit number. Test results are listed by supplier in alphabetical order in Appendix A.

COARSE AGGREGATES

The coarse aggregates used in PCC are defined in the 1988 Oklahoma Department of Transportation Specifications as: 701.06 "Coarse Aggregate," page 369 (1). This specification can be found in Appendix B.

Table 1. Coarse Aggregate Information.

OBS	TYPE	SOURCE	COUNTY	STATE	PIT
1	#3 CHIP SEAL	CHANDLER MATLS	TULSA	OK	7208
2	B V LAVA	TWIN MOUNTAIN	UNION	NM	8202
3	BASALT	SOUTHWAY	DES MOINES	NM	8201
4	BASALT	TWIN MOUNTAIN	UNION	NM	8202
5	C GRAVEL	J.O.B.	PUSHMATAHA	OK	6401
6	C GRAVEL	WESTERN S&G	OLDHAM	TX	7803
7	C GRAVEL	WESTERN S&G	HUTCHINSON	TX	7804
8	C GRAVEL	BORGER S&G	HUTCHINSON	TX	7805
9	C GRAVEL	BORGER S&G	HUTCHINSON	TX	7806
10	C GRAVEL	TEXAS S&G	OLDHAM	TX	7807
11	C GRAVEL	E.D. BAKER CORP	HUTCHINSON	TX	7808
12	C GRAVEL	TASCOSA S&G	OLDHAM	TX	7809
13	C GRAVEL	APPIAN CORP.	OLDHAM	TX	7811
14	C GRAVEL	APPIAN CORP.	POTTER	TX	7812
15	C GRAVEL	VEGA S&G	OLDHAM	TX	7818
16	C GRAVEL	BACA GRAVEL	BACA	CO	8101
17	C GRAVEL	CARDER INC	BENT	CO	8102
18	C SILIC GRAV	HIGHWAY CHIPS	ELLIS	OK	2301
19	C SILIC GRAV	TEXAS S&G	POTTER	TX	7815
20	CHERT	MERIDIAN	POLK	AR	7908
21	CHERTY LIME	AMIS OTAC	ATOKA	OK	301
22	DOLOM LIME	DOLESE	ATOKA	OK	302
23	DOLOM LIME	LATTIMORE MATLS	ATOKA	OK	303
24	DOLOM LIME	DOLESE	CADDO	OK	801
25	DOLOM LIME	QUAPAW	CREEK	OK	1901
26	DOLOM LIME	ANCHOR STONE	CREEK	OK	1903
27	DOLOM LIME	OK CRUSH STONE	CREEK	OK	1904
28	DOLOM LIME	MERIDIAN	JOHNSTON	OK	3503
29	DOLOM LIME	NUCO ROCK	OSAGE	OK	5701
30	DOLOMITE	JACK PARKS	OSAGE	OK	9571
31	GRANITE	DOLESE	GREER	OK	2801
32	GRANITE	MERIDIAN	JOHNSTON	OK	3502
33	GRANITE	MERIDIAN	KIOWA	OK	3802
34	GRAVEL	JOE BROWN	CARTER	OK	1002
35	LIME (SANDY)	PRYOR A	MAYES	OK	4901
36	LIME (SANDY)	PRYOR C	MAYES	OK	4902
37	LIMESTONE	SOONER R & S	MURRAY	OK	5007
38	LIMESTONE	BENTON	BENTON	AR	7907
39	LIMESTONE	APAC ARK	WASHINGTON	AR	7904
40	LIMESTONE	CLAUD EUBANKS	ADAIR	OK	101
41	LIMESTONE	LATTIMORE MATLS	BRYAN	OK	702
42	LIMESTONE	DOLESE	CARTER	OK	1001
43	LIMESTONE	JAFOR QUARRY	CHEROKEE	OK	1101
44	LIMESTONE	ARKHOLA S&G	CHEROKEE	OK	1102
45	LIMESTONE	DOLESE	COMANCHE	OK	1601
46	LIMESTONE	VINITA ROCK J6	CRAIG	OK	1801
47	LIMESTONE	VINITA ROCK	CRAIG	OK	1802
48	LIMESTONE	SOONER R & S	DELAWARE	OK	2101
49	LIMESTONE	APAC-OKLA	KAY	OK	3601
50	LIMESTONE	DOLESE	KIOWA	OK	3801
51	LIMESTONE	APAC-OKLA	MAYES	OK	4903
52	LIMESTONE	DOLESE	MURRAY	OK	5001
53	LIMESTONE	DOLESE	MURRAY	OK	5002
54	LIMESTONE	DALE BEBOUT	MURRAY	OK	5003
55	LIMESTONE	MATLS. PROD.	MURRAY	OK	5005

Table 1. Coarse Aggregate Information (continued).

OBS	TYPE	SOURCE	COUNTY	STATE	PIT
56	LIMESTONE	ARKHOLA	MUSKOGEE	OK	5101
57	LIMESTONE	BELLCO 1	NOWATA	OK	5301
58	LIMESTONE	APAC-OKLA	OSAGE	OK	5702
59	LIMESTONE	BELLCO 4	OSAGE	OK	5703
60	LIMESTONE	MIDWEST MIN	OTTAWA	OK	5801
61	LIMESTONE	NELSON STONE	OTTAWA	OK	5802
62	LIMESTONE	M E STEWART	PAWNEE	OK	5901
63	LIMESTONE	QUAPAW	PAWNEE	OK	5902
64	LIMESTONE	STEWART STONE	PAWNEE	OK	5903
65	LIMESTONE	QUAPAW	PAWNEE	OK	5904
66	LIMESTONE	DOLESE	PITTSBURG	OK	6101
67	LIMESTONE	STRINGFELLOW	PITTSBURG	OK	6102
68	LIMESTONE	C & O MATLS	PONTOTOC	OK	6201
69	LIMESTONE	COOK STONE	PONTOTOC	OK	6202
70	LIMESTONE	BELLCO 2	ROGERS	OK	6602
71	LIMESTONE	ANCHOR STONE D	ROGERS	OK	6603
72	LIMESTONE	ANCHOR STONE A	ROGERS	OK	6604
73	LIMESTONE	DOLESE	SEMINOLE	OK	6703
74	LIMESTONE	KONAWA MATLS	SEMINOLE	OK	6704
75	LIMESTONE	SEMINOLE STONE	SEMINOLE	OK	6705
76	LIMESTONE	OK CRUSH STONE	SEMINOLE	OK	6706
77	LIMESTONE	SOUTER CONST.	SEQUOYAH	OK	6801
78	LIMESTONE	ANCHOR STONE 46	TULSA	OK	7201
79	LIMESTONE	MCNABB STONE	TULSA	OK	7202
80	LIMESTONE	APAC-OKLA D	TULSA	OK	7203
81	LIMESTONE	STANDARD A	TULSA	OK	7204
82	LIMESTONE	ANCHOR STONE 36	TULSA	OK	7206
83	LIMESTONE	BELLCO 6	WASHINGTON	OK	7402
84	LIMESTONE	BELLCO 3	WASHINGTON	OK	7403
85	LIMESTONE	BELLCO 7	WASHINGTON	OK	7407
86	LIMESTONE	TXI BRIDGEPORT	WISE	TX	7817
87	LIMESTONE	KEITH & SONS	MONTGOMERY	KS	8001
88	LIMESTONE	BLACKTOP	LYON	KS	8002
89	LIMESTONE	MCADAM	COWLEY	KS	8010
90	LIMESTONE	JOE HERBERT	ATOKA	OK	9034
91	LIMESTONE	TEXHOMA	BRYAN	OK	9070
92	LIMESTONE	MIDWEST MIN	MONTGOMERY	KS	9851
93	LIMY SANDST	OKAY MATLS	WAGONER	OK	7302
94	RHYOLITE	WESTERN ROCK	MURRAY	OK	5008
95	RHYOLITE	MERIDIAN	POLK	AR	7908
96	RIP-RAP BAS	TWIN MOUNTAIN	COLFAX	NM	8203
97	SANDSTONE	KEMP STONE	MUSKOGEE	OK	5106
98	SANDSTONE	MERIDIAN	CHOCTAW	OK	1205
99	SANDSTONE	MERIDIAN	CHOCTAW	OK	1206
100	SANDSTONE	HASKELL GRAV.	HASKELL	OK	3101
101	SANDSTONE	STIGLER	HASKELL	OK	3102
102	SANDSTONE	MCCONNEL	LEFLORE	OK	4002
103	SANDSTONE	ROCK PROD.	LEFLORE	OK	4003
104	SANDSTONE	YOUNGMAN	MCINTOSH	OK	4601
105	SANDSTONE	TALIHINA STONE	PUSHMATAHA	OK	6402
106	SANDSTONE	ARKHOLA	CRAWFORD	AR	7901
107	SANDSTONE	ARKHOLA	SEBASTIAN	AR	7902
108	SANDSTONE	ARKHOLA S&G	CRAWFORD	AR	7903
109	SANDSTONE	ALMA	CRAWFORD	AR	7906
110	SANDSTONE	FINES	LEFLORE	OK	9404

Table 1. Coarse Aggregate Information (continued).

OBS	TYPE	SOURCE	COUNTY	STATE	PIT
111	SILIC GRAVEL	CARLILE	BEAVER	OK	401
112	SILIC GRAVEL	CHOCTAW MATLS	CHOCTAW	OK	1201
113	SILIC GRAVEL	B&B	MCCURTAIN	OK	4502
114	SILIC GRAVEL	LEEDEY	ROGER MILLS	OK	6501
115	UNKNOWN	DOLESE	COAL	OK	501
116	UNKNOWN	PEERLESS PIT	NOWATA	OK	5303

Table 2. Mineral Type Frequency.

TYPE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
#3 CHIP SEAL	1	0.9	1	0.9
B V LAVA	1	0.9	2	1.7
BASALT	2	1.7	4	3.4
C GRAVEL	13	11.2	17	14.7
C SILIC GRAV	2	1.7	19	16.4
CHERT	1	0.9	20	17.2
CHERTY LIME	1	0.9	21	18.1
DOLOM LIME	8	6.9	29	25.0
DOLOMITE	1	0.9	30	25.9
GRANITE	3	2.6	33	28.4
GRAVEL	1	0.9	34	29.3
LIME (SANDY)	2	1.7	36	31.0
LIMESTONE	56	48.3	92	79.3
LIMY SANDST	1	0.9	93	80.2
RHYOLITE	2	1.7	95	81.9
RIP-RAP BAS	1	0.9	96	82.8
SANDSTONE	14	12.1	110	94.8
SILIC GRAVEL	4	3.4	114	98.3
UNKNOWN	2	1.7	116	100.0

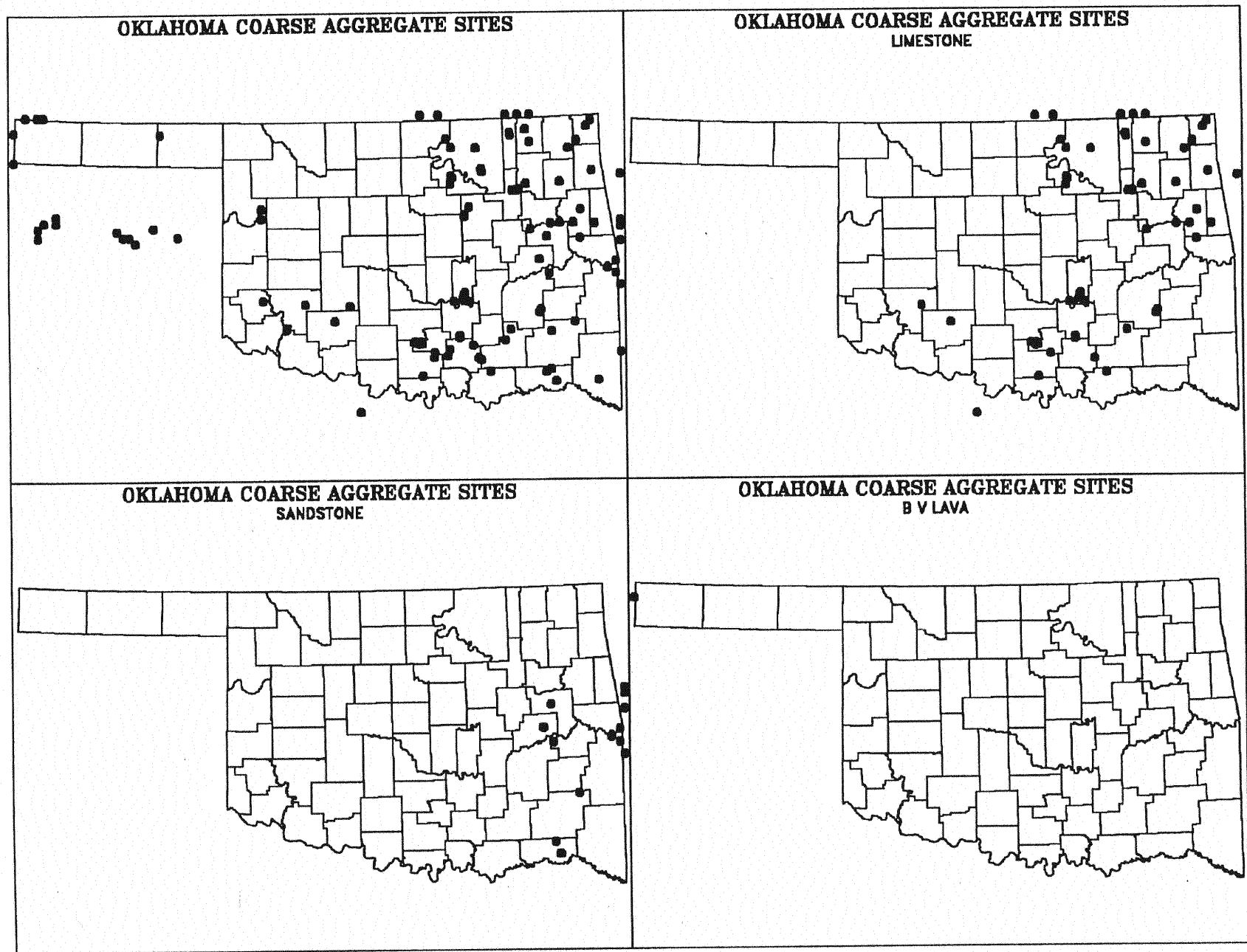


Figure 1A. Coarse Aggregate Sites.

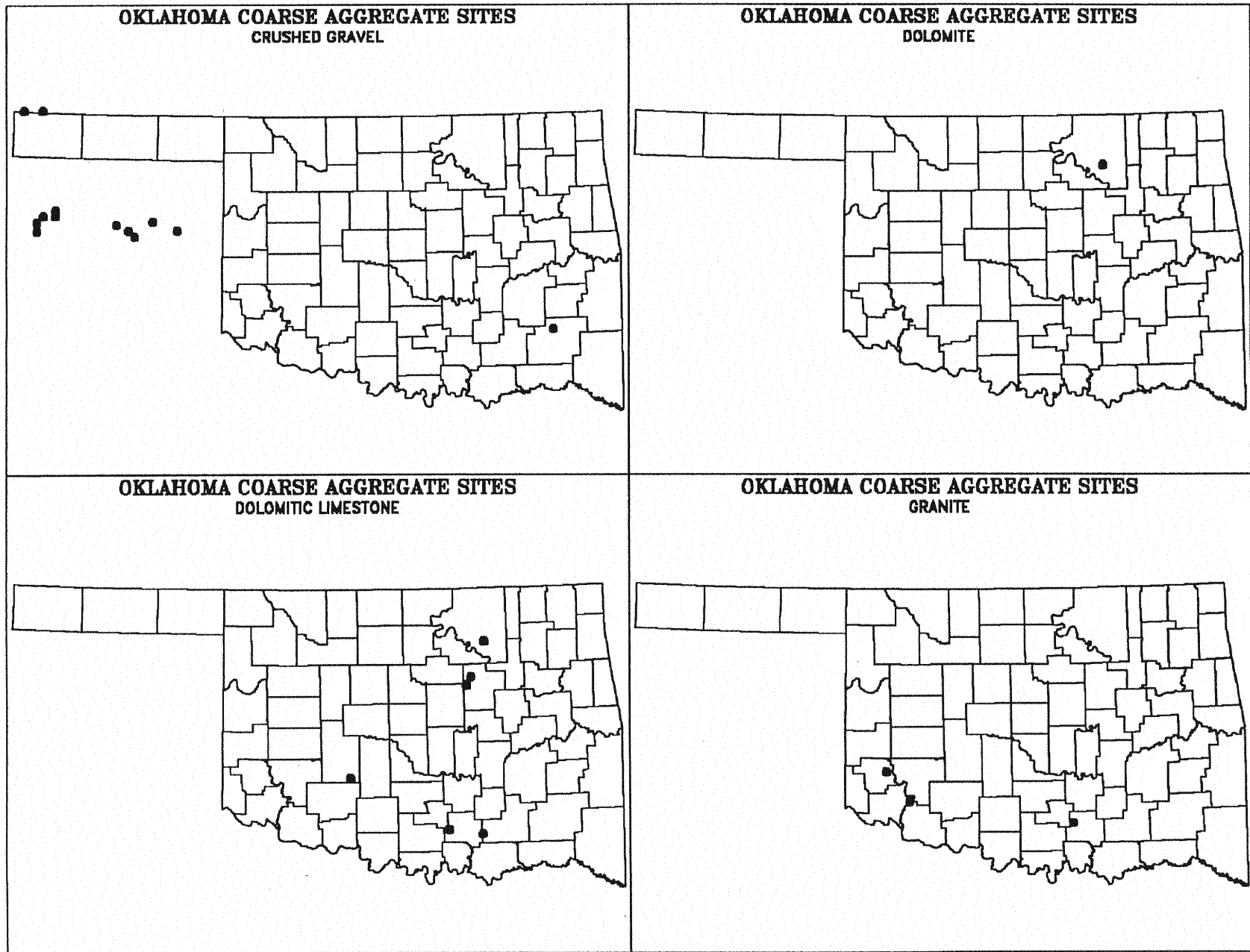


Figure 1B. Coarse Aggregate Sites.

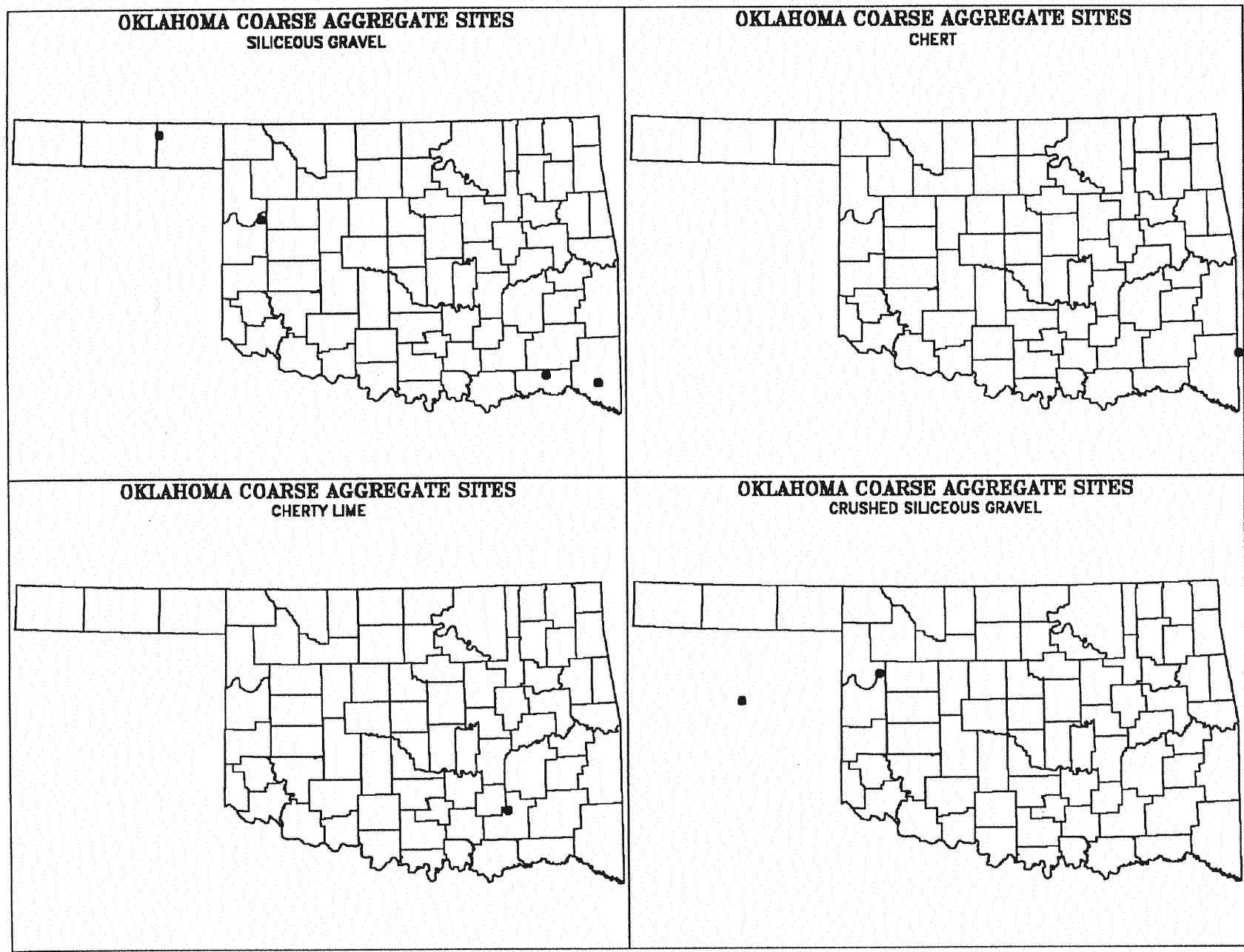


Figure 1C. Coarse Aggregate Sites.

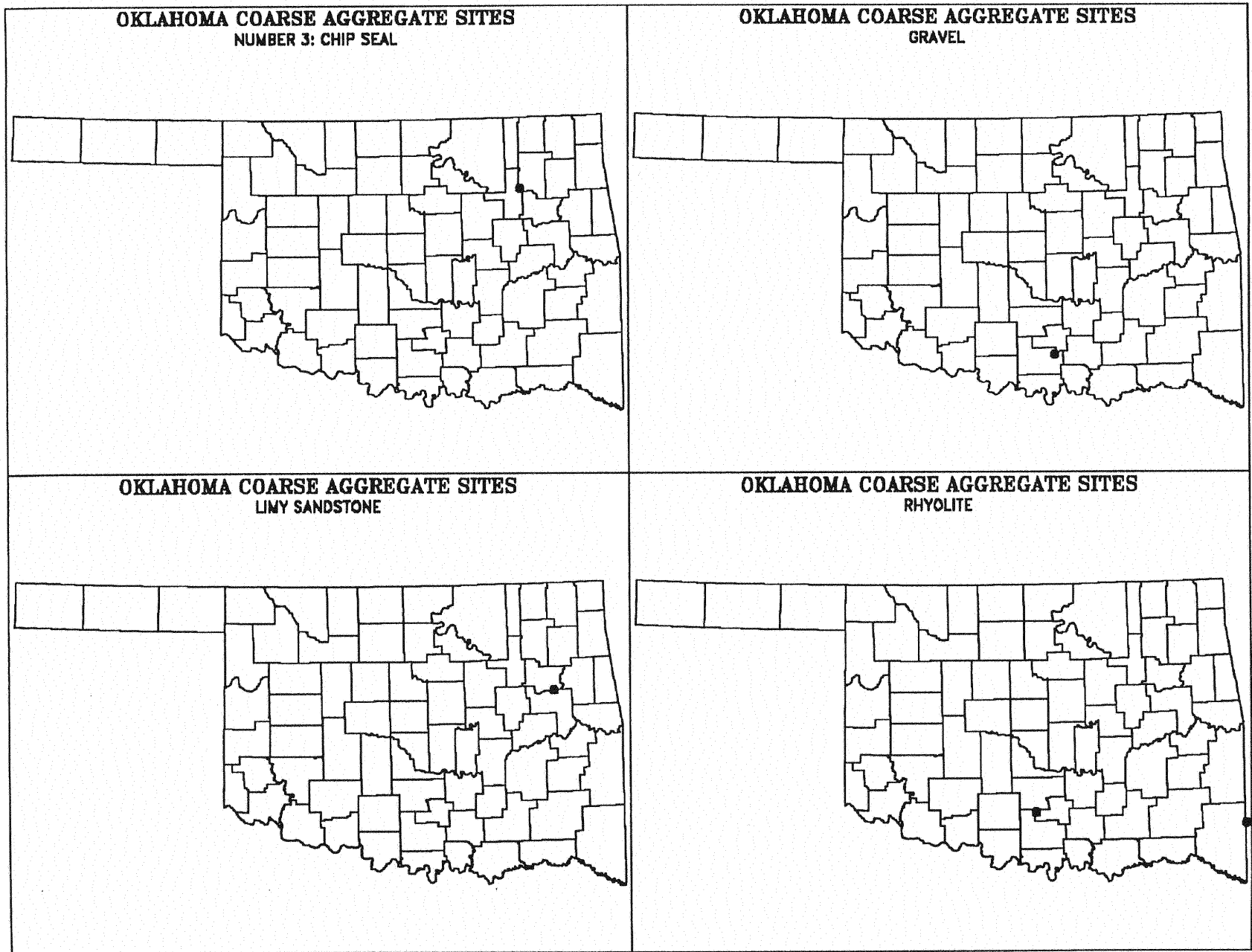


Figure 1D. Coarse Aggregate Sites.

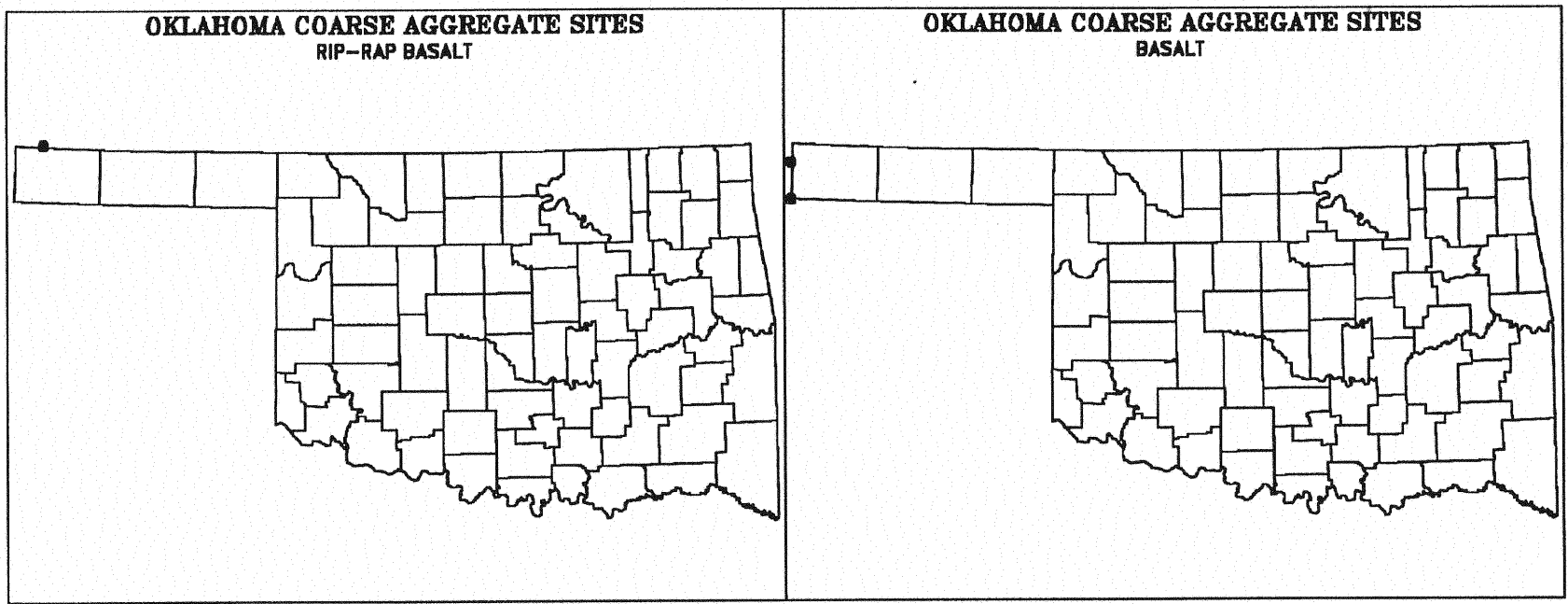


Figure 1E. Coarse Aggregate Sites.

FINE AGGREGATES

The fine aggregates used in PCC are defined in the 1988, Oklahoma Department of Transportation Specifications as: 701.05, "Fine Aggregate," pages 367-368. This specification is given in Appendix C.

Table 3. Fine Aggregate Sources Information

OBS	TYPE	SOURCE	COUNTY	STATE	PIT
1	CHERTY LIME	SANDY CREEK S&G	ATOKA	OK	301
2	SILIC GRAVEL	BIG CHIEF S&R	BEAVER	OK	401
3		J & R SAND CO	BEAVER	OK	402
4		BOON S&G	BLAINE	OK	601
5		BOON S&G	BLAINE	OK	602
6		BOON S&G	BLAINE	OK	603
7		OKLAHOMA SAND	BRYAN	OK	701
8	LIMESTONE	BRYAN CO. SAND	BRYAN	OK	702
9		OK SAND	BRYAN	OK	703
10		BOORHEM-FIELDS	BRYAN	OK	704
11		HOPE SAND	BRYAN	OK	705
12		STRINGFIELD	BRYAN	OK	707
13		DOLESE	CANADIAN	OK	903
14		MURPHY PERKINS	CANADIAN	OK	904
15		DOLESE	CANADIAN	OK	905
16	SILIC GRAVEL	BOORHEM-FIELDS	CHOCTAW	OK	1201
17		BLUFF MATLS	CHOCTAW	OK	1202
18	SANDSTONE	BOORHEM-FIELDS	CHOCTAW	OK	1205
19		J. J. & A	CHOCTAW	OK	1207
20		SOONER R&S	CLEVELAND	OK	1401
21		GENERAL MATLS	CLEVELAND	OK	1402
22	LIMESTONE	DOLESE	COMANCHE	OK	1601
23		SWIN FORD	COMANCHE	OK	1602
24		E & A MATLS	COTTON	OK	1701
25		WESTERN OK S&G	DEWEY	OK	2201
26	C SILIC GRAV	CHARLES WORD	ELLIS	OK	2301
27		JACOBSON	GARVIN	OK	2501
28		W. F. HUDSON	HARPER	OK	3001
29		TURPIN	HUGHES	OK	3201
30		CITY CONCRETE	JACKSON	OK	3301
31		RED RIVER SAND	JACKSON	OK	3303
32		E & A MATLS	JEFFERSON	OK	3402
33		TXI RED RIVER	JEFFERSON	OK	3403
34		LEE'S S&G	JOHNSTON	OK	3501
35	LIMESTONE	SOBER SAND	KAY	OK	3601
36		SOBER SAND	KAY	OK	3602
37		THROOP	KAY	OK	3603
38		LIGHTLE SAND	KINGFISHER	OK	3701
39		DOLESE	KINGFISHER	OK	3702
40		SPIRO SAND	LEFLORE	OK	4001
41	SANDSTONE	CORFF S&G	LEFLORE	OK	4002
42		DOLESE	LOGAN	OK	4201
43		GAINESVILLE	LOVE	OK	4301
44		MCGEHEE'S S&G	LOVE	OK	4305
45		WILDCAT	LOVE	OK	4306
46		DOLESE	MCCLAIN	OK	4401
47	SILIC GRAVEL	ANDERSON-DUNHAM	MCCURTAIN	OK	4501
48	SILIC GRAVEL	B & B S&G	MCCURTAIN	OK	4502
49		EAGLE S&R	MAJOR	OK	4701
50		B & B S&G	MAJOR	OK	4702
51		WINTERS SAND	MURRAY	OK	5007
52		ARKHOLA	MUSKOGEE	OK	5103
53		MUSKOGEE SAND	MUSKOGEE	OK	5104
54		PRYOR	MUSKOGEE	OK	5105
55		NOVA SAND	OKLAHOMA	OK	5501

Table 3. Fine Aggregate Sources Information (continued).

OBS	TYPE	SOURCE	COUNTY	STATE	PIT
56		MURPHY PERKINS	OKLAHOMA	OK	5502
57		SOONER ROAD	OKLAHOMA	OK	5503
58		DOLESE	OKLAHOMA	OK	5506
59		CORFF S&G	OKLAHOMA	OK	5507
60		WULLICH	OKLAHOMA	OK	5508
61		SHARP SAND	OKLAHOMA	OK	5509
62		SCHWARTZ	OKLAHOMA	OK	5510
63		NOVA SAND	OKLAHOMA	OK	5511
64		GODDARD	OKLAHOMA	OK	5512
65	DOLOM LIME	MID-CONTINENT	OSAGE	OK	5701
66	LIMESTONE	DAVIS SAND	PAWNEE	OK	5903
67		RENFRO SAND	PAWNEE	OK	5904
68		J. L. IRWIN S&G	PAYNE	OK	6001
69	LIMESTONE	ENGLE CONST	PONTOTOC	OK	6201
70	LIMESTONE	J. & W. CONST	PONTOTOC	OK	6202
71		CORFF S&G	POTTAWATOMIE	OK	6301
72		MARKWELL S&G	POTTAWATOMIE	OK	6302
73		CORFF S&G	POTTAWATOMIE	OK	6303
74	LIMESTONE	SAND DREDGING	SEMINOLE	OK	6703
75		JEFFREY S&G	SEQUOYAH	OK	6801
76		SMITH S&G	SEQUOYAH	OK	6802
77		S&S SAND	SEQUOYAH	OK	6803
78		BEHNE S&G	TEXAS	OK	7001
79		SOUTHWESTERN	TILLMAN	OK	7101
80		SOUTHWEST S&G	TILLMAN	OK	7102
81	LIMESTONE	ANCHOR SAND	TULSA	OK	7203
82	LIMESTONE	ANCHOR SAND	TULSA	OK	7204
83	LIMESTONE	TULSA SAND	TULSA	OK	7206
84		MOHAWK SAND	TULSA	OK	7207
85		MCMICHEAL	TULSA	OK	7208
86		SANDSPRING SAND	TULSA	OK	7209
87		HOLLDAY S&G	TULSA	OK	7212
88		BIXBY FOUR STAR	TULSA	OK	7213
89		MOHAWK SAND	TULSA	OK	7215
90		CUMMINS SAND	TULSA	OK	7216
91		ANCHOR SAND	TULSA	OK	7217
92		GRACE SAND	TULSA	OK	7220
93		SAHARA SAND	TULSA	OK	7221
94		D & R TRUCKING	TULSA	OK	7226
95		ANCHOR SAND	TULSA	OK	7228
96	LIMESTONE	COWETA SAND	WAGONER	OK	7301
97		WATKINS SAND	TULSA	OK	7301
98		MUSKOGEE SAND	WAGONER	OK	7302
99		MUSKOGEE SAND	WAGONER	OK	7303
100		HASKELL	WAGONER	OK	7304
101		COWETA MATLS	WAGONER	OK	7305
102		ALVA CONC	WOODS	OK	7602
103		KLINE SAND	WOODWARD	OK	7701
104		WOODWARD SAND	WOODWARD	OK	7702
105		LATTIMORE MATLS		TX	7802
106	C GRAVEL	WESTERN S&G	OLDHAM	TX	7803
107	C GRAVEL	BORGER S&G	HUTCHINSON	TX	7805
108	C GRAVEL	BORGER S&G	HUTCHINSON	TX	7806
109	C GRAVEL	TEXAS S&G	OLDHAM	TX	7807
110	C GRAVEL	E. D. BAKER	HUTCHINSON	TX	7808

Table 3. Fine Aggregate Sources Information (continued).

OBS	TYPE	SOURCE	COUNTY	STATE	PIT
111	C GRAVEL	TASCOSA S&G	OLDHAM	TX	7809
112	C GRAVEL	PANHANDLE	POTTER	TX	7810
113	C GRAVEL	GIFFORD HILL		TX	7812
114	C GRAVEL	APPIAN CORP	HUTCHINSON	TX	7812
115		VOLCANIC STONE	HUTCHINSON	TX	7813
116		TEXAS S&G	POTTER	TX	7814
117		GAINESVILLE		TX	7815
118	SANDSTONE	ARKHOLA	CRAWFORD	AR	7901
119	SANDSTONE	JEFFREY SAND	SEBASTIAN	AR	7903
120		GIFFORD HILL	LITTLE RIVER	AR	7907
121	LIMESTONE	J & R SAND CO	SEWARD	KS	8001
122	LIMESTONE	BRYAN SAND	HARVEY	KS	8002
123		ARK CITY CONC	COWLEY	KS	8003
124		PIONEER AGG	SEWARD	KS	8004
125		THACH SAND	HARVEY	KS	8005
126		OXFORD S&G	COWLEY	KS	8006
127		TARBET	HAMILTON	KS	8007
128		MILES SAND	SEDGEWICK	KS	8008
129		RITCHIE SAND	SEDGEWICK	KS	8009
130	C GRAVEL	CARDER INC	PROWER	CO	8101

OKLAHOMA FINE AGGREGATE SITES

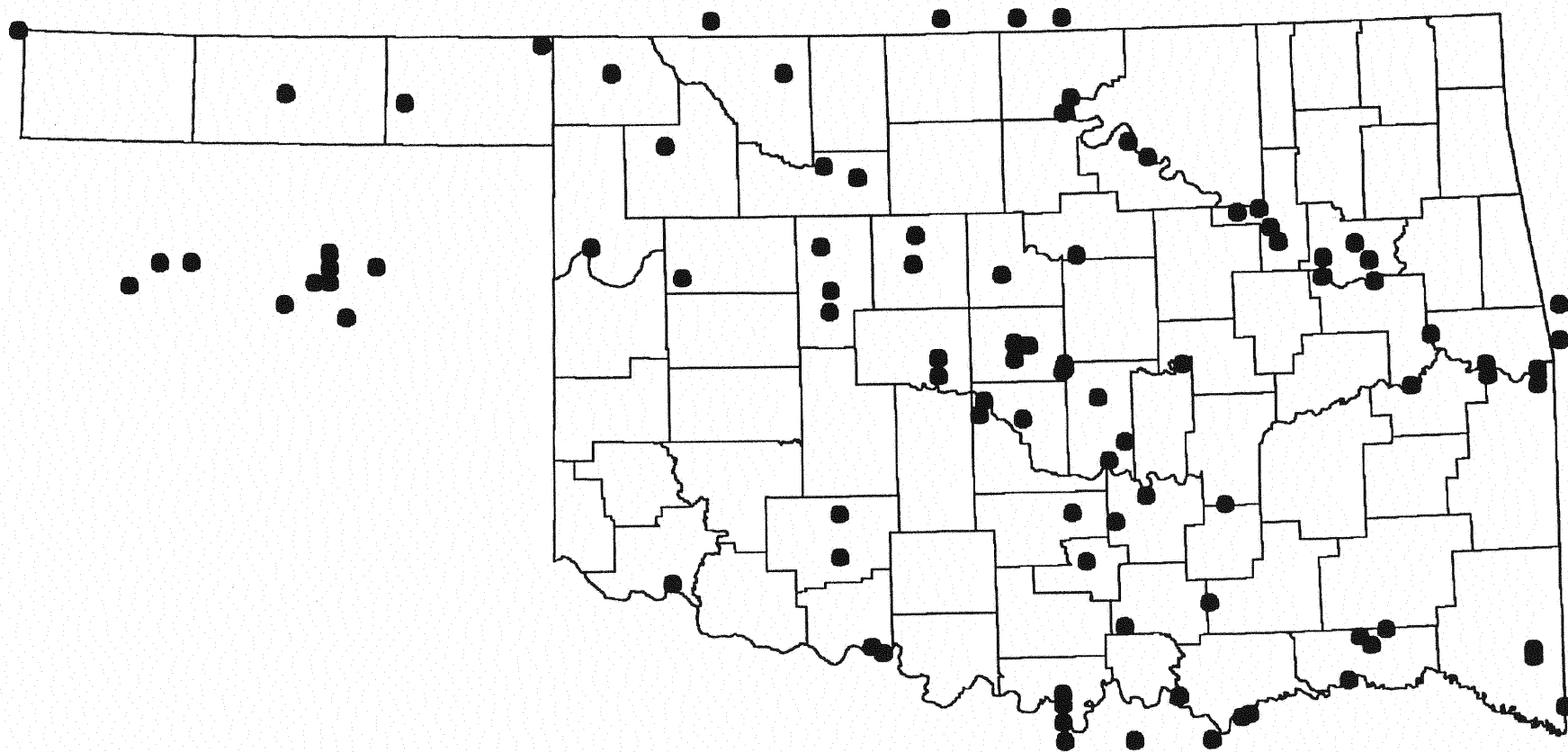


Figure 2. Fine Aggregate Sites.

CEMENT

The Portland cement used in PCC's defined as described in the 1988 Oklahoma Department of Transportation Specifications as: 701.02, "Portland Cement," pages 365-366. Note that the sources of each type of cement are plotted. The specification for Portland Cement is found in Appendix D.

Table 4. ODOT Approved Portland Cement Sources.

COMPANY	TYPE	LOCATION	SOURCE	CHIEF CHEMIST	PHONE NO.
HOLNAM, INC	1,2,3,5	ADA, OK	1	TOM QUAID	(405) 332-1512
LONE STAR	1,2,3	PRYOR, OK	2	BOB MADDUX	(918) 825-1937
BLUE CIRCLE	1,2,3	TULSA, OK	3	NICK RICE	(918) 437-3902
ASH GROVE	1,3	FOREMAN, AK	4	SONNY COBB	(501) 542-6217
NORTH TEXAS CEMENT	1	MIDLOTHIAN, TX	5	MIKE AMOURY	(214) 723-7242
TEXAS INDUSTRIES	1,3	MIDLOTHIAN, TX	6	JAMES OWENS	(214) 647-4929
LAFARGE CORP.	1,3	FREDONIA, KS	7	CALVIN BEARD	(316) 378-4458
ASH GROVE	1,3	CHANUTE, KS	8	MEL KING	(316) 431-4500
MONARCH	1	HUMBOLT, KS	9	ROY HARRIS	(316) 473-2222
HEARTLAND	1,3	INDEPENDENCE, KS	10	DAN CHAPMAN	(316) 331-0200
HOLNAM, TEXAS, L.P.	1,3,5	MIDLOTHIAN, TX	11	TODD HINTON	(214) 299-6350
SOUTHWESTERN	1	ODESSA, TX	12	TOM MULHERN	(915) 381-0190

Table 5. Cement Information.

OBS	TYPE	SOURCE	STATE	CITY	SOURCENO
1	1	ASH GROVE	AK	FOREMAN	4
2	1	ASH GROVE	KS	CHANUTE	8
3	1	MONARCH	KS	HUMBOLT	9
4	1	HEARTLAND	KS	INDEPENDENCE	10
5	1	LAFARGE	KS	FREDONIA	7
6	1	HOLNAM	OK	PONTOTOC	1
7	1	LONESTAR	OK	MAYES	2
8	1	BLUE CIRCLE	OK	TULSA	3
9	1	NORTH TEXAS	TX	MIDLOTHIAN	5
10	1	TEXAS INDUS	TX	MIDLOTHIAN	6
11	1	HOLNAM TEXAS LP	TX	MIDLOTHIAN	11
12	1	SOUTHWESTERN	TX	ODESSA	11
13	2	HOLNAM	OK	PONTOTOC	1
14	2	LONESTAR	OK	MAYES	2
15	2	BLUE CIRCLE	OK	TULSA	3
16	3	ASH GROVE	AK	FOREMAN	4
17	3	ASH GROVE	KS	CHANUTE	8
18	3	HEARTLAND	KS	INDEPENDENCE	10
19	3	LAFARGE	KS	FREDONIA	7
20	3	HOLNAM	OK	PONTOTOC	1
21	3	LONESTAR	OK	MAYES	2
22	3	BLUE CIRCLE	OK	TULSA	3
23	3	TEXAS INDUS	TX	MIDLOTHIAN	6
24	3	HOLNAM TEXAS LP	TX	MIDLOTHIAN	11
25	5	HOLNAM	OK	PONTOTOC	1
26	5	HOLNAM TEXAS LP	TX	MIDLOTHIAN	11

Table 5. Cement Type by Frequency.

TYPE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	12	46.2	12	46.2
2	3	11.5	15	57.7
3	9	34.6	24	92.3
5	2	7.7	26	100.0

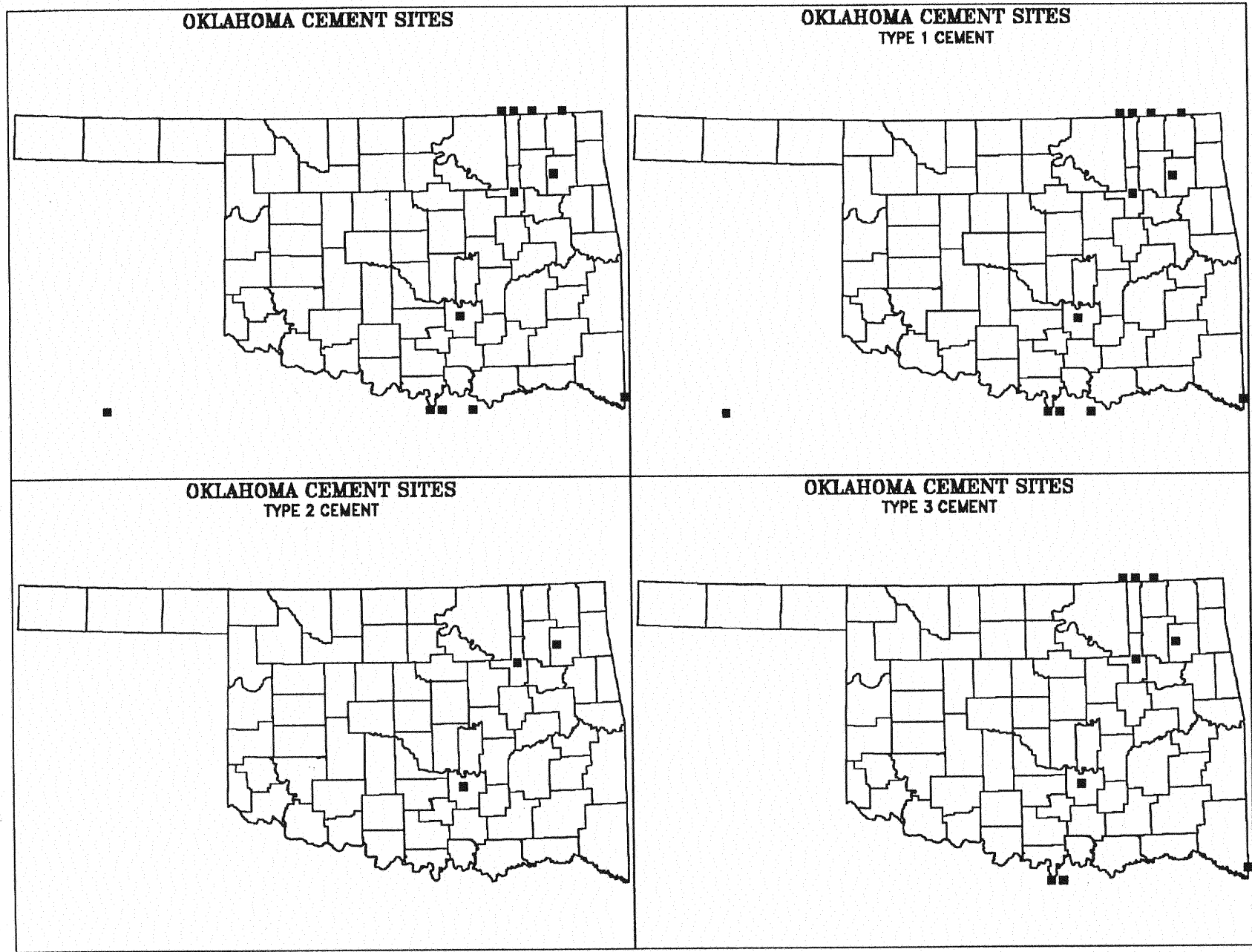


Figure 3A. Cement Sites.

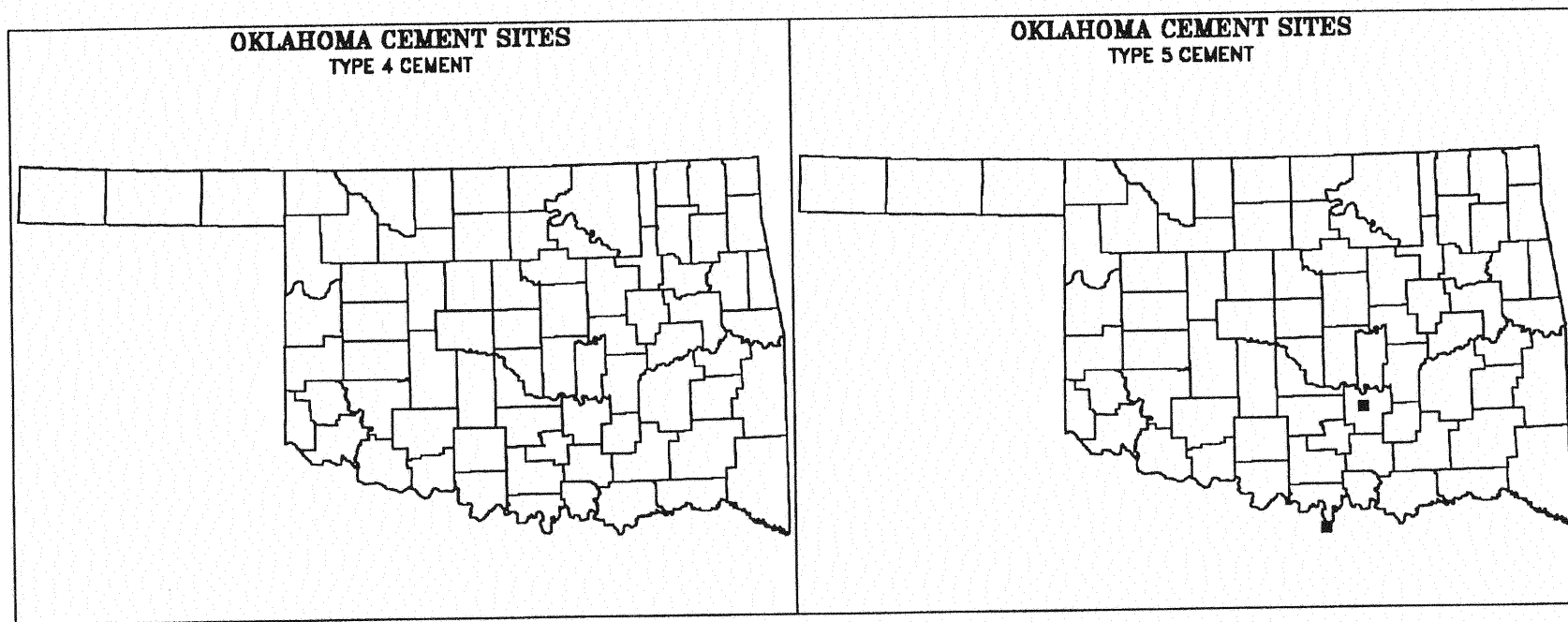


Figure 3B. Cement Sites.

FLY ASH

The fly ash used in the PCC is defined as described in the 1988 Oklahoma Department of Transportation Specifications as: 702.01, "Fly Ash." So far, all fly ash used in Oklahoma is Class C, high lime (greater than 25% C₂O) ash. The ODOT Fly Ash specification is listed in Appendix E.

Table 6. Approved ODOT Fly Ash Sources

COMPANY	LOCATION	SOURCE	CLASS
Monex Resources	Oologah, Oklahoma	1	C
Walter Handy	Muskogee, Oklahoma	2	C
Walter Handy	Red Rock, Oklahoma	3	C
Gifford Hill	Gentry, Arkansas	4	C
Gifford Hill	Cason, Texas	5	C
Lafarge Corporation	Oklahoma, Texas	6	C
DePaw	Amarillo, Texas	7	C
Holnam, Inc.	Hugo, Oklahoma	8	C

Table 7. Fly Ash Information.

OBS	TYPE	SOURCE	COUNTY	STATE	FILENO
1	C	MONEX	ROGERS	OK	1
2	C	WALTER	MUSKOGEE	OK	2
3	C	WALTER	NOBLE	OK	4
4	C	GIFFORD	UNKNOWN	AR	5
5	C	GIFFORD	UNKNOWN	TX	6
6	C	LAFARGE	UNKNOWN	TX	7
7	C	DEPAW	UNKNOWN	TX	8
8	C	HOLNAM	CHOCTAW	OK	9

OKLAHOMA FLY ASH SITES

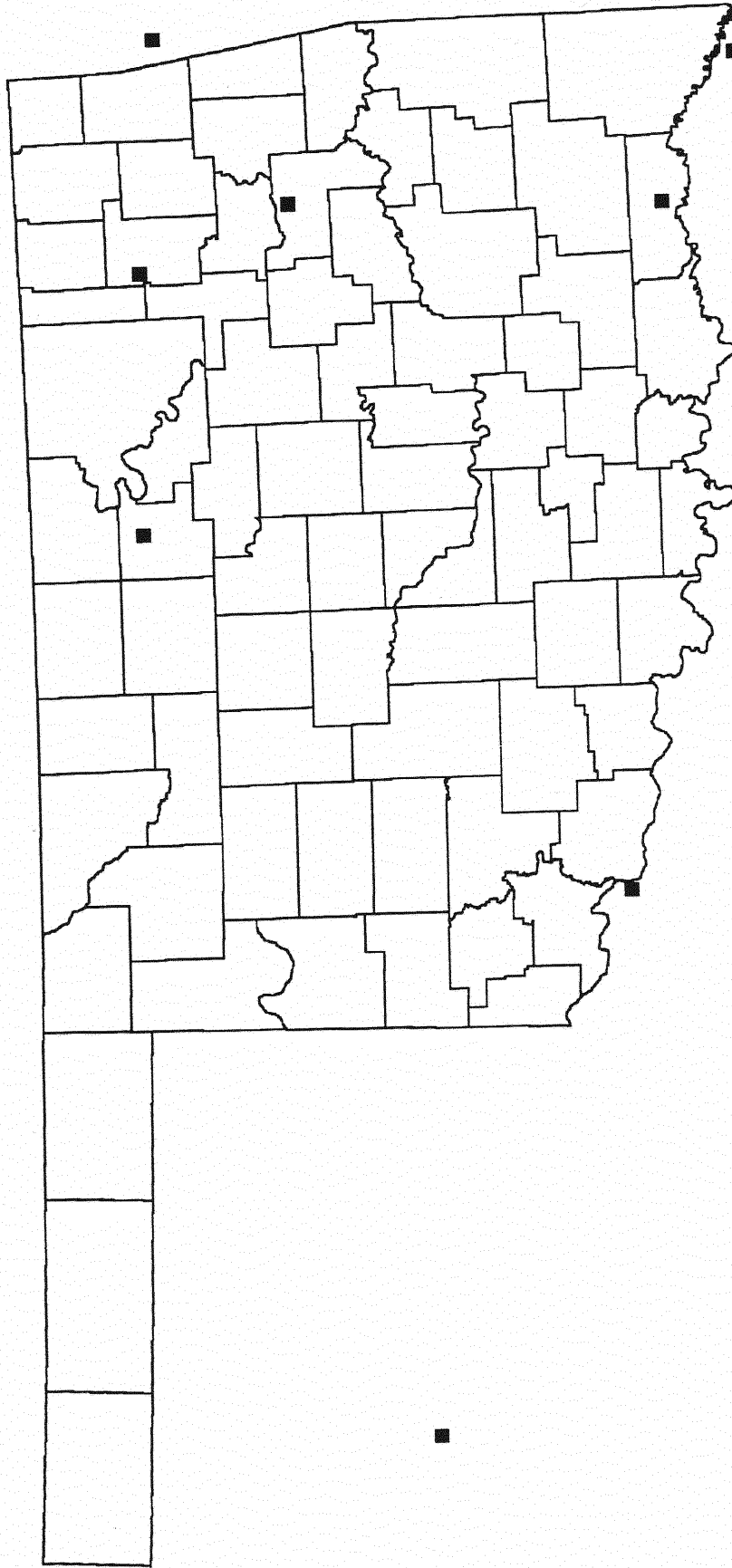


Figure 4. Fly Ash Sites.

REFERENCE

1. **Standard Specifications for Highway Construction, Oklahoma Department of Transportation, 1988.**

APPENDIX A
ODOT MATERIALS DIVISION
AGGREGATE INFORMATION

This appendix contains the latest test results for the fine and coarse aggregates. The fine aggregates are listed first by supplier in alphabetical order.

**OKLAHOMA DEPARTMENT OF TRANSPORTATION
MATERIALS DIVISION
Aggregate Information**

The test results of the samples taken by the Department, as set out in this report, represent only the aggregates that are present at the time of sampling. In as much as this sampling represents a limited amount of the production from the quarry, the test results should not be interpreted to imply that the Department warrants that the material produced from this site is acceptable to be used in work performed under the Department's construction contracts.

The Department makes no claim that this information is complete or accurate. This information is subject to change without notice.

Date report issued

FEB 08 1996

ALVA CONC. MATERIAL CO. SW 1/2 SE 1/4 SEC. 1, T27N, R14W

COUNTY: WOODS

STATE: OK

PIT NO.: 7602

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.4	05/01/86	108.1	108.1	7
SPECIFIC GRAVITY	AASHTO T-84	2.618	11/22/89	2.611	2.611	23
FINENESS MODULUS	AASHTO T-27	2.634	11/22/89	2.806	2.781	23
MINUS 200 SIEVE	AASHTO T-11	0.4	11/22/89	0.4	0.4	23

ANCHOR SAND SW1/4,SEC5,T19N,R11E, WEKIWA PIT TULSA CO.

COUNTY: TULSA

STATE: OK

PIT NO.: 7226

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.0	03/29/93	109.0	109.0	1
SPECIFIC GRAVITY	AASHTO T-84	2.622	01/29/96	2.623	2.623	5
FINENESS MODULUS	AASHTO T-27	2.640	01/29/96	2.646	2.646	5
MINUS 200 SIEVE	AASHTO T-11	2.2	01/29/96	0.8	0.8	5

ANCHOR SAND CO. NE1/4,NE1/4,SEC19,T18N,R13E TULSA CO., JENKS

COUNTY: TULSA

STATE: OK

PIT NO.: 7203

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.4	03/19/92	110.8	110.7	11
SPECIFIC GRAVITY	AASHTO T-84	2.613	04/10/95	2.593	2.618	316
FINENESS MODULUS	AASHTO T-27	3.060	04/10/95	2.726	2.858	316
MINUS 200 SIEVE	AASHTO T-11	0.4	04/10/95	0.6	0.3	292

ANCHOR SAND CO., JENKS BLENDED SAND

COUNTY: TULSA

STATE: OK

PIT NO.: 7204

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.7	03/27/90	110.7	110.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.626	01/24/95	2.622	2.624	13
FINENESS MODULUS	AASHTO T-27	2.630	01/24/95	2.815	2.784	13
MINUS 200 SIEVE	AASHTO T-11	0.4	01/24/95	0.3	0.3	13

ANCHOR SAND NE1/4 SEC33,T18N,R13E TULSA CO., DELAWARE PLANT

COUNTY: TULSA

STATE: OK

PIT NO.: 7217

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	113.8	03/19/92	112.8	112.8	2
SPECIFIC GRAVITY	AASHTO T-84	2.629	02/05/96	2.627	2.623	74
FINENESS MODULUS	AASHTO T-27	2.950	02/05/96	2.874	2.835	74
MINUS 200 SIEVE	AASHTO T-11	0.2	02/05/96	0.3	0.3	73

ANDERSON & DUNHAM INC. EAGLETOWN SEC8,T6S,R26E

COUNTY: MCCURTAIN

STATE: OK

PIT NO.: 4501

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.2	05/06/87	108.0	108.0	5
SPECIFIC GRAVITY	AASHTO T-84	2.627	03/15/89	2.602	2.608	13
FINENESS MODULUS	AASHTO T-27	2.848	03/15/89	2.806	2.846	13
MINUS 200 SIEVE	AASHTO T-11	0.3	03/15/89	1.8	1.7	13

APPIAN CORP., FRITCH, TEXAS

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7812

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	106.1	06/29/87	106.1	106.1	1
SPECIFIC GRAVITY	AASHTO T-84	2.615	10/26/88	2.618	2.618	2
FINENESS MODULUS	AASHTO T-27	2.520	10/26/88	2.636	2.636	2
MINUS 200 SIEVE	AASHTO T-11	0.9	10/26/88	1.0	1.0	2

ARK CITY CONC. NW1/4,SEC26,T34S,R3E,COWLEY CO.KA.

COUNTY: COWLEY.

STATE: KS PIT NO.: 8003

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	112.2	04/16/86	113.0	113.0	2
SPECIFIC GRAVITY	AASHTO T-84	2.623	11/26/91	2.616	2.616	7
FINENESS MODULUS	AASHTO T-27	3.192	11/26/91	3.043	3.043	7
MINUS 200 SIEVE	AASHTO T-11	0.1	11/26/91	0.3	0.3	7

ARKHOLA S & G, MUSKOGEE W1/2,SEC4,T15N,R18E

COUNTY: MUSKOGEE

STATE: OK PIT NO.: 5103

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.3	04/14/93	110.7	110.2	20
SPECIFIC GRAVITY	AASHTO T-84	2.618	02/05/96	2.597	2.616	223
FINENESS MODULUS	AASHTO T-27	2.870	02/05/96	2.676	2.730	225
MINUS 200 SIEVE	AASHTO T-11	0.2	02/05/96	0.3	0.3	198

ARKHOLA S & G, SEC25,T9N,R32W, CRAWFORD CO., VAN BUREN, ARK.

COUNTY: CRAWFORD.

STATE: AR PIT NO.: 7901

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.3	05/13/86	109.5	109.5	9
SPECIFIC GRAVITY	AASHTO T-84	2.614	11/13/95	2.598	2.610	48
FINENESS MODULUS	AASHTO T-27	2.630	11/13/95	2.828	2.741	48
MINUS 200 SIEVE	AASHTO T-11	0.2	11/13/95	0.7	0.4	44

B & B S.& G.CO. EAGLETOWN SEC17,T6S,R26E, MCCURTAIN CO.

COUNTY: MCCURTAIN

STATE: OK PIT NO.: 4502

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.2	08/03/95	108.4	108.4	9
SPECIFIC GRAVITY	AASHTO T-84	2.625	08/16/95	2.583	2.599	30
FINENESS MODULUS	AASHTO T-27	2.830	08/16/95	2.937	2.954	28
MINUS 200 SIEVE	AASHTO T-11	1.8	08/16/95	2.0	1.9	30

B&B SAND & GRAVEL RINGHOOD, OKLA. W1/2,SEC19,T21N,R10W

COUNTY: MAJOR

STATE: OK PIT NO.: 4702

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.3	06/16/92	109.9	109.9	8
SPECIFIC GRAVITY	AASHTO T-84	2.618	09/27/95	2.602	2.625	87
FINENESS MODULUS	AASHTO T-27	2.650	09/27/95	2.560	2.614	87
MINUS 200 SIEVE	AASHTO T-11	0.5	09/27/95	0.9	0.6	87

BEHNE S & G, GUYMON SEC.13,T3N,R14E, TEXAS COUNTY.

COUNTY: TEXAS CO.

STATE: OK

PIT NO.: 7001

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	105.3	09/02/86	105.9	5	
SPECIFIC GRAVITY	AASHTO T-84	2.616	09/15/95	2.622	61	
FINENESS MODULUS	AASHTO T-27	2.610	09/15/95	2.770	63	
MINUS 200 SIEVE	AASHTO T-11	1.3	09/15/95	2.1	63	

BIG CHIEF S & R GATE, OKLA.SEC.1,T5N,R27E CM, BEAVER CO.

COUNTY: BEAVER

STATE: OK

PIT NO.: 0401

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	105.7	03/19/84	105.7	1	
SPECIFIC GRAVITY	AASHTO T-84	2.599	03/19/84	2.599	1	
FINENESS MODULUS	AASHTO T-27	2.535	03/19/84	2.535	1	
MINUS 200 SIEVE	AASHTO T-11	0.6	03/19/84	0.6	1	

BIXBY FOUR STAR SD & GVL CO. SEC14,T17N,R13E,TULSA CO. BIXBY

COUNTY: TULSA

STATE: OK

PIT NO.: 7213

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.7	03/31/92	110.3	7	
SPECIFIC GRAVITY	AASHTO T-84	2.616	12/14/95	2.628	25	
FINENESS MODULUS	AASHTO T-27	2.990	12/14/95	2.696	25	
MINUS 200 SIEVE	AASHTO T-11	0.3	12/14/95	0.3	23	

BLUFF MATERIALS SEC.19,T7N,R16E,CHOCTAW CO HUGO

COUNTY: CHOCTAW

STATE: OK

PIT NO.: 1202

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	93.2	08/29/88	93.2	1	
SPECIFIC GRAVITY	AASHTO T-84	2.627	04/21/92	2.614	18	
FINENESS MODULUS	AASHTO T-27	2.260	04/21/92	2.507	18	
MINUS 200 SIEVE	AASHTO T-11	0.4	04/21/92	0.4	18	

BOON SAND & GRAVEL, GREENFIELD SEC30,T15N,R12W, BLAINE CO.

COUNTY: BLAINE

STATE: OK

PIT NO.: 0601

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	107.2	07/22/86	107.2	1	
SPECIFIC GRAVITY	AASHTO T-84	2.610	08/11/89	2.605	3	
FINENESS MODULUS	AASHTO T-27	2.350	08/11/89	2.495	3	
MINUS 200 SIEVE	AASHTO T-11	1.0	08/11/89	1.5	3	

BOON SAND & GRAVEL, SEC3,T16N,R12W, WATONGA PLANT # 2

COUNTY: BLAINE

STATE: OK

PIT NO.: 0603

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.4	05/22/91	109.4	1	
SPECIFIC GRAVITY	AASHTO T-84	2.623	05/22/91	2.616	2	
FINENESS MODULUS	AASHTO T-27	2.333	05/22/91	2.378	2	
MINUS 200 SIEVE	AASHTO T-11	0.6	05/22/91	0.8	2	

BOON SAND & GRAVEL, WATONGA SE1/4, SEC6, T15N, R11W, BLAINE CO.

COUNTY: BLAINE

STATE: OK PIT NO.: 0602

	TEST NUMBER	AASHTO	T-	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	.	.	.	.	.	.
SPECIFIC GRAVITY	AASHTO	T-84	2.595	06/18/86	2.595	2.595	1	
FINENESS MODULUS	AASHTO	T-27	2.670	06/18/86	2.670	2.670	1	
MINUS 200 SIEVE	AASHTO	T-11	0.9	06/18/86	0.9	0.9	1	

BOORHEM FIELDS -APPLESEC 31,T4N,R11W.

COUNTY: CHOCTAW

STATE: OK PIT NO.: 1205

	TEST NUMBER	AASHTO	T-	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	101.8	01/04/94	101.8	101.8	1	
SPECIFIC GRAVITY	AASHTO	T-84	2.573	01/04/94	2.573	2.573	1	
FINENESS MODULUS	AASHTO	T-27	3.150	01/04/94	3.150	3.150	1	
MINUS 200 SIEVE	AASHTO	T-11	5.0	01/04/94	5.0	5.0	1	

BOORHEM-FIELDS HUGO SEC25,T5S,R17E,CHOCTAW CO.

COUNTY: CHOCTAW

STATE: OK PIT NO.: 1201

	TEST NUMBER	AASHTO	T-	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	105.7	08/22/85	105.7	105.7	1	
SPECIFIC GRAVITY	AASHTO	T-84	2.616	08/22/85	2.616	2.616	1	
FINENESS MODULUS	AASHTO	T-27	2.193	08/22/85	2.193	2.193	1	
MINUS 200 SIEVE	AASHTO	T-11	0.8	08/22/85	0.8	0.8	1	

BOORHEM-FIELDS YUBA PLANT N1/2 SEC15,T9S,R15E

COUNTY: BRYAN

STATE: OK PIT NO.: 0703

	TEST NUMBER	AASHTO	T-	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	107.3	09/26/85	107.3	107.3	1	
SPECIFIC GRAVITY	AASHTO	T-84	2.618	07/17/89	2.610	2.611	20	
FINENESS MODULUS	AASHTO	T-27	2.388	07/17/89	2.546	2.561	20	
MINUS 200 SIEVE	AASHTO	T-11	0.5	07/17/89	0.6	0.6	20	

BORGER SAND & GRAVEL, BORGER, TEXAS (SPRING CREEK PLANT)

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7805

	TEST NUMBER	AASHTO	T-	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	105.5	06/18/86	105.0	105.0	5	
SPECIFIC GRAVITY	AASHTO	T-84	2.646	08/01/94	2.606	2.606	7	
FINENESS MODULUS	AASHTO	T-27	2.630	08/01/94	2.848	2.848	7	
MINUS 200 SIEVE	AASHTO	T-11	0.7	08/01/94	0.5	0.5	7	

BORGER SAND & GRAVEL, SANFORD, TEXAS

COUNTY: HUTCHINSON.

STATE: TX PIT NO.: 7806

	TEST NUMBER	AASHTO	T-	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	104.1	11/16/83	104.1	104.1	1	
SPECIFIC GRAVITY	AASHTO	T-84	2.596	11/16/83	2.596	2.596	1	
FINENESS MODULUS	AASHTO	T-27	2.824	11/16/83	2.824	2.824	1	
MINUS 200 SIEVE	AASHTO	T-11	1.1	11/16/83	1.1	1.1	1	

BRYAN COUNTY SAND, SEC11,T9S,R10E,BRYAN CO. YUBA OKLA.

COUNTY: BRYAN

STATE: OK

PIT NO.: 0701

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	106.5	08/12/91	105.6	105.6	5
SPECIFIC GRAVITY	AASHTO T-84	2.633	08/03/95	2.601	2.619	56
FINENESS MODULUS	AASHTO T-27	2.630	08/03/95	2.640	2.563	57
MINUS 200 SIEVE	AASHTO T-11	0.7	08/03/95	1.2	0.9	57

BRYAN SAND CO. S1/2,SEC27,T23S,R3W HARVEY CO., KA., BURRTON

COUNTY: HARVEY.

STATE: KS

PIT NO.: 8002

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.4	04/26/82	108.4	108.4	1
SPECIFIC GRAVITY	AASHTO T-84	2.602	04/26/82	2.602	2.602	1
FINENESS MODULUS	AASHTO T-27	3.115	04/26/82	3.115	3.115	1
MINUS 200 SIEVE	AASHTO T-11	0.6	04/26/82	0.6	0.6	1

CARDER, INC., SEC30,T22S,R46W,PROWER CO.; LAMAR COLORADO

COUNTY: PROWER.

STATE: CO

PIT NO.: 8101

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.7	04/25/85	109.7	109.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.618	10/07/87	2.604	2.604	2
FINENESS MODULUS	AASHTO T-27	3.171	10/07/87	3.189	3.189	2
MINUS 200 SIEVE	AASHTO T-11	0.2	10/07/87	0.3	0.3	2

CHARLES WORD S & G ARNETT,OKLA. SW1/4,SEC 20,T18N,R24W

COUNTY: ELLIS

STATE: OK

PIT NO.: 2301

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	106.9	05/01/86	104.9	104.9	6
SPECIFIC GRAVITY	AASHTO T-84	2.609	09/16/87	2.609	2.609	10
FINENESS MODULUS	AASHTO T-27	2.381	09/16/87	2.493	2.493	10
MINUS 200 SIEVE	AASHTO T-11	0.7	09/16/87	1.0	1.0	10

CITY CONCRETE, ALTUS (SEE PIT #3303)

COUNTY: JACKSON

STATE: OK

PIT NO.: 3301

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	112.7	10/27/76	112.7	112.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.618	10/27/76	2.618	2.618	1
FINENESS MODULUS	AASHTO T-27	2.518	10/27/76	2.518	2.518	1
MINUS 200 SIEVE	AASHTO T-11	1.6	10/27/76	1.6	1.6	1

CORFF SAND & GRAVEL CO., SEC.33,T7N,R5E KONAWA. OKLA.

COUNTY: POTTAWATOMIE

STATE: OK

PIT NO.: 6303

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	104.3	03/02/88	104.3	104.3	1
SPECIFIC GRAVITY	AASHTO T-84	2.576	07/17/89	2.568	2.568	3
FINENESS MODULUS	AASHTO T-27	2.717	07/17/89	2.838	2.838	3
MINUS 200 SIEVE	AASHTO T-11	0.6	07/17/89	0.8	0.8	3

CORFF SAND & GRAVEL CO., SEC.35, T13N, R1E,

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5507

	TEST NUMBER	LAST TEST	
		RESULT	DATE
UNIT WEIGHT	AASHTO T-19	105.2	05/16/84
SPECIFIC GRAVITY	AASHTO T-84	2.564	05/16/84
FINENESS MODULUS	AASHTO T-27	2.724	05/16/84
MINUS 200 SIEVE	AASHTO T-11	2.1	05/16/84

LAST 10 TESTS AVERAGE

105.2
2.564
2.724
2.1

ALL TESTS AVERAGE NUMBER

105.2 1
2.564 1
2.724 1
2.1 1

CORFF SAND CO., SEC.10, T6N, R4E, POTT. CO.

COUNTY: POTTAWATOMIE

STATE: OK PIT NO.: 6301

	TEST NUMBER	LAST TEST	
		RESULT	DATE
UNIT WEIGHT	AASHTO T-19	104.0	05/22/91
SPECIFIC GRAVITY	AASHTO T-84	2.585	05/22/91
FINENESS MODULUS	AASHTO T-27	2.643	05/22/91
MINUS 200 SIEVE	AASHTO T-11	1.1	05/22/91

LAST 10 TESTS AVERAGE

105.7
2.575
2.758
1.0

ALL TESTS AVERAGE NUMBER

105.7 6
2.575 9
2.758 9
1.0 9

CORFF SAND&GRAVEL SEC19, T10N, R24E

COUNTY: LE FLORE

STATE: OK PIT NO.: 4002

	TEST NUMBER	LAST TEST	
		RESULT	DATE
UNIT WEIGHT	AASHTO T-19	109.6	12/21/89
SPECIFIC GRAVITY	AASHTO T-84	2.615	12/21/89
FINENESS MODULUS	AASHTO T-27	2.593	12/21/89
MINUS 200 SIEVE	AASHTO T-11	1.6	12/21/89

LAST 10 TESTS AVERAGE

109.6
2.612
2.630
1.0

ALL TESTS AVERAGE NUMBER

109.6 2
2.612 2
2.630 2
1.0 2

COWETA MATERIALS, SEC31, T17N, R16E, WAGONER CO.

COUNTY: WAGONER

STATE: OK PIT NO.: 7305

	TEST NUMBER	LAST TEST	
		RESULT	DATE
UNIT WEIGHT	AASHTO T-19	110.8	03/26/90
SPECIFIC GRAVITY	AASHTO T-84	2.627	11/30/95
FINENESS MODULUS	AASHTO T-27	2.790	11/30/95
MINUS 200 SIEVE	AASHTO T-11	0.1	11/30/95

LAST 10 TESTS AVERAGE

110.8
2.624
2.796
0.2

ALL TESTS AVERAGE NUMBER

110.8 1
2.624 10
2.796 10
0.2 9

COWETA SAND INC. SEC31, T17N, R16E WAGONER CO.

COUNTY: WAGONER

STATE: OK PIT NO.: 7301

	TEST NUMBER	LAST TEST	
		RESULT	DATE
UNIT WEIGHT	AASHTO T-19	110.3	11/14/86
SPECIFIC GRAVITY	AASHTO T-84	2.632	07/26/94
FINENESS MODULUS	AASHTO T-27	2.540	07/26/94
MINUS 200 SIEVE	AASHTO T-11	0.1	07/26/94

LAST 10 TESTS AVERAGE

109.9
2.611
2.806
0.5

ALL TESTS AVERAGE NUMBER

109.9 4
2.616 33
2.706 33
0.3 26

CUMMINS SAND SW1/4 SEC9, T19N, R11E TULSA CO. SAND SPRINGS

COUNTY: TULSA

STATE: OK PIT NO.: 7216

	TEST NUMBER	LAST TEST	
		RESULT	DATE
UNIT WEIGHT	AASHTO T-19	110.1	03/25/86
SPECIFIC GRAVITY	AASHTO T-84	2.625	02/12/93
FINENESS MODULUS	AASHTO T-27	2.980	02/12/93
MINUS 200 SIEVE	AASHTO T-11	1.2	02/12/93

LAST 10 TESTS AVERAGE

110.7
2.614
2.810
1.0

ALL TESTS AVERAGE NUMBER

110.7 4
2.616 36
2.881 36
1.0 36

D & R TRUCKING CO. SW1/4,SEC2,T19N,R10E, TULSA CO, TULSA, OK

COUNTY: TULSA

STATE: OK PIT NO.: 7222

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.7	04/11/91	111.7	111.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.646	04/11/91	2.646	2.646	1
FINENESS MODULUS	AASHTO T-27	2.970	04/11/91	2.970	2.970	1
MINUS 200 SIEVE	AASHTO T-11	0.3	04/11/91	0.3	0.3	1

DAVIS SAND CO. SW1/4,SEC13,T22N,R6E PAWNEE CO. BLACKBURN, OK

COUNTY: PAWNEE

STATE: OK PIT NO.: 5903

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.4	04/03/86	110.7	110.7	9
SPECIFIC GRAVITY	AASHTO T-84	2.623	04/03/86	2.632	2.632	10
FINENESS MODULUS	AASHTO T-27	2.425	04/03/86	2.766	2.766	10
MINUS 200 SIEVE	AASHTO T-11	0.5	04/03/86	0.4	0.4	9

DOLESE @ NEWCASTLE

COUNTY: MCCLAIN

STATE: OK PIT NO.: 4401

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	107.2	01/17/84	107.2	107.2	1
SPECIFIC GRAVITY	AASHTO T-84	2.639	01/17/84	2.639	2.639	1
FINENESS MODULUS	AASHTO T-27	2.569	01/17/84	2.569	2.569	1
MINUS 200 SIEVE	AASHTO T-11	1.4	01/17/84	1.4	1.4	1

DOLESE AT RICHARD SPUR COMANCHE CO. SW1/4,SEC31,T4N,R11W

COUNTY: COMANCHE

STATE: OK PIT NO.: 1601

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	2.660	12/16/91	2.660	2.660	1
SPECIFIC GRAVITY	AASHTO T-84	3.078	12/16/91	3.078	3.078	1
FINENESS MODULUS	AASHTO T-27	2.2	12/16/91	2.2	2.2	1
MINUS 200 SIEVE	AASHTO T-11					

DOLESE SW1/4,SEC11,T12N,R2W OKLA. CO., SPENCER

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5506

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.0	06/23/87	110.0	110.0	1
SPECIFIC GRAVITY	AASHTO T-84	2.621	06/23/87	2.621	2.621	1
FINENESS MODULUS	AASHTO T-27	2.622	06/23/87	2.622	2.622	1
MINUS 200 SIEVE	AASHTO T-11	0.7	06/23/87	0.7	0.7	1

DOLESE, DOVER SEC 11,T17N,R7W

COUNTY: KINGFISHER

STATE: OK PIT NO.: 3702

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	107.9	02/18/92	110.4	109.9	33
SPECIFIC GRAVITY	AASHTO T-84	2.500	02/05/96	2.597	2.619	758
FINENESS MODULUS	AASHTO T-27	2.500	02/05/96	2.502	2.510	760
MINUS 200 SIEVE	AASHTO T-11	1.1	02/05/96	1.1	1.0	760

DOLESE, GUTHRIE N1/2,SEC28,T17N,R2W

COUNTY: LOGAN

STATE: OK PIT NO.: 4201

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	108.5	08/29/84	107.1	107.9	17
SPECIFIC GRAVITY	AASHTO	T-84	2.627	02/05/96	2.603	2.646	135
FINENESS MODULUS	AASHTO	T-27	2.580	02/05/96	2.490	2.522	135
MINUS 200 SIEVE	AASHTO	T-11	0.5	02/05/96	1.0	0.9	135

DOLESE, YUKON#1 SW1/4 SEC13,T12N,R6W

COUNTY: CANADIAN

STATE: OK PIT NO.: 0903

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	109.1	12/30/91	108.5	108.7	16
SPECIFIC GRAVITY	AASHTO	T-84	2.614	11/13/95	2.595	2.634	257
FINENESS MODULUS	AASHTO	T-27	2.690	11/13/95	2.576	2.565	257
MINUS 200 SIEVE	AASHTO	T-11	2.6	11/13/95	1.5	1.2	257

DOLESE, YUKON #2 E1/2,NE1/4,SEC.9,T12N,R6W,CANADIAN CO.

COUNTY: CANADIAN

STATE: OK PIT NO.: 0905

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	106.5	03/27/95	106.5	106.5	1
SPECIFIC GRAVITY	AASHTO	T-84	2.611	12/20/95	2.624	2.624	38
FINENESS MODULUS	AASHTO	T-27	2.750	12/20/95	2.503	2.553	39
MINUS 200 SIEVE	AASHTO	T-11	2.7	12/20/95	2.2	2.0	39

E & A MATERIALS, WAURIKA, OKLA (SEE PIT #1701)

COUNTY: JEFFERSON

STATE: OK PIT NO.: 3402

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	115.5	11/14/85	115.5	115.5	1
SPECIFIC GRAVITY	AASHTO	T-84	2.632	05/13/94	2.619	2.621	36
FINENESS MODULUS	AASHTO	T-27	2.540	05/13/94	2.537	2.541	36
MINUS 200 SIEVE	AASHTO	T-11	0.4	05/13/94	0.7	0.5	36

E & A MATLS TEMPLE COTTON CO. S1/2,SEC12,T5S,R10W

COUNTY: COTTON

STATE: OK PIT NO.: 1701

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	110.2	05/22/91	111.9	111.7	11
SPECIFIC GRAVITY	AASHTO	T-84	2.550	02/05/96	2.603	2.612	138
FINENESS MODULUS	AASHTO	T-27	2.550	02/05/96	2.625	2.594	138
MINUS 200 SIEVE	AASHTO	T-11	0.3	02/05/96	0.6	0.8	138

E.D.BAKER(BORGER)

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7808

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO	T-19	105.7	08/02/94	105.7	105.7	1
SPECIFIC GRAVITY	AASHTO	T-84	2.644	08/02/94	2.644	2.644	1
FINENESS MODULUS	AASHTO	T-27	2.410	08/02/94	2.410	2.410	1
MINUS 200 SIEVE	AASHTO	T-11	1.0	08/02/94	1.0	1.0	1

EAGLE SAND & ROCK, CLEO SPRINGS NE1/4,SEC23,T22N,R21W

COUNTY: MAJOR

STATE: OK

PIT NO.: 4701

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.3	05/01/86	110.9	110.9	2
SPECIFIC GRAVITY	AASHTO T-84	2.633	08/30/95	2.612	2.620	16
FINENESS MODULUS	AASHTO T-27	2.510	08/30/95	2.558	2.492	16
MINUS 200 SIEVE	AASHTO T-11	0.9	08/30/95	1.0	0.9	16

ENGL CONST. CO., INC. SEC8,T4N,R6E,PONTOTOC CO. ADA,OKLA.

COUNTY: PONTOTOC

STATE: OK

PIT NO.: 6201

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	103.8	05/22/91	104.7	104.7	2
SPECIFIC GRAVITY	AASHTO T-84	2.604	09/20/95	2.602	2.613	34
FINENESS MODULUS	AASHTO T-27	2.600	09/20/95	2.520	2.547	34
MINUS 200 SIEVE	AASHTO T-11	2.5	09/20/95	1.2	1.2	34

GAINESVILLE SAND CO., GAINESVILLE, TEXAS

COUNTY: TEXAS ST.

STATE: TX

PIT NO.: 7816

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	112.7	04/19/84	112.7	112.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.577	04/19/84	2.577	2.577	1
FINENESS MODULUS	AASHTO T-27	2.928	04/19/84	2.928	2.928	1
MINUS 200 SIEVE	AASHTO T-11	0.5	04/19/84	0.5	0.5	1

GAINESVILLE SAND CO., THACKERVILLE, SEC2&3,T9S,R1E, LOVE, CO. OK.

COUNTY: LOVE

STATE: OK

PIT NO.: 4301

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.6	07/08/93	110.1	110.1	6
SPECIFIC GRAVITY	AASHTO T-84	2.610	01/29/96	2.605	2.618	74
FINENESS MODULUS	AASHTO T-27	2.850	01/29/96	2.630	2.570	77
MINUS 200 SIEVE	AASHTO T-11	0.8	01/29/96	1.1	1.0	77

GENERAL MATLS. INC., OKLA CITY E1/2, SEC 27, T10N, R4W

COUNTY: CLEVELAND

STATE: OK

PIT NO.: 1402

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	106.7	01/13/87	107.5	107.6	19
SPECIFIC GRAVITY	AASHTO T-84	2.632	10/18/94	2.610	2.612	66
FINENESS MODULUS	AASHTO T-27	2.260	10/18/94	2.530	2.423	66
MINUS 200 SIEVE	AASHTO T-11	0.4	10/18/94	1.2	0.9	66

GIFFORD HILL, DALLAS, TEXAS.

COUNTY: TEXAS ST.

STATE: TX

PIT NO.: 7813

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.8	05/13/86	111.8	111.8	1
SPECIFIC GRAVITY	AASHTO T-84	2.633	02/26/93	2.641	2.641	2
FINENESS MODULUS	AASHTO T-27	2.570	02/26/93	2.511	2.511	2
MINUS 200 SIEVE	AASHTO T-11	0.5	02/26/93	0.6	0.6	2

GIFFORD HILL, WILTON, ARKANSAS

COUNTY: LITTLE RIVER STATE: AR PIT NO.: 7907

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.5	08/03/95	112.0	112.0	2
SPECIFIC GRAVITY	AASHTO T-84	2.623	10/12/95	2.629	2.628	15
FINENESS MODULUS	AASHTO T-27	2.850	10/12/95	2.714	2.733	15
MINUS 200 SIEVE	AASHTO T-11	0.5	10/12/95	0.3	0.3	15

GODDARD CONCRETE SEC24,T13N,R2W OKLAHOMA CO.

COUNTY: OKLAHOMA STATE: OK PIT NO.: 5512

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.0	07/28/93	109.0	109.0	1
SPECIFIC GRAVITY	AASHTO T-84	2.632	11/08/94	2.624	2.624	2
FINENESS MODULUS	AASHTO T-27	2.850	11/08/94	2.565	2.565	2
MINUS 200 SIEVE	AASHTO T-11	1.1	11/08/94	1.1	1.1	2

GRACE SAND CO. SEC19,T18N,R13E,TULSA CO., TULSA, OK

COUNTY: TULSA STATE: OK PIT NO.: 7220

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.5	03/19/92	111.0	111.0	4
SPECIFIC GRAVITY	AASHTO T-84	2.621	12/21/93	2.622	2.623	13
FINENESS MODULUS	AASHTO T-27	2.920	12/21/93	2.915	2.939	13
MINUS 200 SIEVE	AASHTO T-11	0.1	12/21/93	0.1	0.1	10

HASKELL SAND CO. NW1/4,SEC32,T16N,R16E, WAGONER CO., HASKELL

COUNTY: WAGONER STATE: OK PIT NO.: 7304

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.0	03/30/90	109.5	109.5	9
SPECIFIC GRAVITY	AASHTO T-84	2.627	07/29/94	2.604	2.618	32
FINENESS MODULUS	AASHTO T-27	2.660	07/29/94	2.791	2.823	32
MINUS 200 SIEVE	AASHTO T-11	0.1	07/29/94	0.4	0.3	28

HOLLDAY S&G CO. SEC13,T17N,R13E,TULSA CO. BIXBY

COUNTY: TULSA STATE: OK PIT NO.: 7212

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.1	06/30/94	111.6	110.9	17
SPECIFIC GRAVITY	AASHTO T-84	2.625	01/05/96	2.601	2.643	188
FINENESS MODULUS	AASHTO T-27	2.750	01/05/96	2.725	2.842	190
MINUS 200 SIEVE	AASHTO T-11	0.1	01/05/96	0.4	0.2	171

HOPE SAND CO.,INC,SEC10,T9S,R10E, BRYAN C., YUBA, OKLA.

COUNTY: BRYAN STATE: OK PIT NO.: 0704

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.2	08/12/91	108.7	108.7	2
SPECIFIC GRAVITY	AASHTO T-84	2.630	04/04/92	2.616	2.619	12
FINENESS MODULUS	AASHTO T-27	2.781	04/04/92	2.573	2.597	12
MINUS 200 SIEVE	AASHTO T-11	0.8	04/04/92	0.9	0.9	12

J & W CONST. CO. E1/2SEC9,T3N,R4E PONTOTOC CO.

COUNTY: PONTOTOC

STATE: OK PIT NO.: 6202

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	101.6	05/10/91	101.1	101.1	2
SPECIFIC GRAVITY	AASHTO T-84	2.614	11/13/91	2.603	2.603	3
FINENESS MODULUS	AASHTO T-27	3.288	11/13/91	3.354	3.354	3
MINUS 200 SIEVE	AASHTO T-11	0.9	11/13/91	1.3	1.3	3

J. L. IRWIN S & G CO. SEC7,T17N,R3E PAYNE CO. PERKINS, OK

COUNTY: PAYNE

STATE: OK PIT NO.: 6001

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	106.7	01/28/87	107.4	107.4	9
SPECIFIC GRAVITY	AASHTO T-84	2.643	10/16/92	2.600	2.607	15
FINENESS MODULUS	AASHTO T-27	2.700	10/16/92	2.609	2.636	15
MINUS 200 SIEVE	AASHTO T-11	0.4	10/16/92	0.8	0.7	14

J.J. & A. @ HUGO.S1/2,SW1/4,SEC.24,T5S,R17E(NEAR MESSER)

COUNTY: CHOCTAW

STATE: OK PIT NO.: 1207

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	2.630	03/22/95	2.630	2.630	1
SPECIFIC GRAVITY	AASHTO T-84	1.990	03/22/95	1.990	1.990	1
FINENESS MODULUS	AASHTO T-27	2.2	03/22/95	2.2	2.2	1
MINUS 200 SIEVE	AASHTO T-11					

J&R SAND CO, INC. SEC.15,T3S,R21E,BEAVER COUNTY, OKLA.

COUNTY: BEAVER

STATE: OK PIT NO.: 0402

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	107.5	05/12/87	107.5	107.5	1
SPECIFIC GRAVITY	AASHTO T-84	2.672	09/29/94	2.668	2.668	9
FINENESS MODULUS	AASHTO T-27	2.760	09/29/94	2.823	2.823	9
MINUS 200 SIEVE	AASHTO T-11	1.4	09/29/94	0.8	0.8	9

J&R SAND CO, INC. SEC.36,T32S,R33W,SEWARD CO. KS.

COUNTY: SEWARD.

STATE: KS PIT NO.: 8001

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.5	04/25/85	107.0	107.0	6
SPECIFIC GRAVITY	AASHTO T-84	2.671	12/15/95	2.611	2.637	34
FINENESS MODULUS	AASHTO T-27	2.890	12/15/95	2.776	2.855	34
MINUS 200 SIEVE	AASHTO T-11	1.2	12/15/95	0.6	0.6	33

JACOBSON SEC-15,T3N,R2E GARVIN COUNTY

COUNTY: GARVIN

STATE: OK PIT NO.: 2501

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	105.9	05/22/91	104.9	104.9	9
SPECIFIC GRAVITY	AASHTO T-84	2.611	02/05/96	2.599	2.605	59
FINENESS MODULUS	AASHTO T-27	3.060	02/05/96	3.108	3.132	59
MINUS 200 SIEVE	AASHTO T-11	1.3	02/05/96	1.2	0.9	59

JEFFREY SAND & GRAVEL, SEC19.T12N,R21E,SEQUOYAH COUNTY GORE

COUNTY: SEQUOYAH

STATE: OK PIT NO.: 6801

	TEST NUMBER		LAST TEST RESULT	LAST TEST DATE
UNIT WEIGHT	AASHTO T-19		111.4	05/30/86
SPECIFIC GRAVITY	AASHTO T-84		2.632	06/29/92
FINENESS MODULUS	AASHTO T-27		3.040	06/29/92
MINUS 200 SIEVE	AASHTO T-11		0.1	06/29/92

LAST 10 TESTS AVERAGE

110.4
2.601
2.840
0.3

ALL TESTS AVERAGE NUMBER

110.0 19
2.614 88
2.863 88
0.3 78

JEFFREY SAND CO. SEC12,T8N,R32W,SEBASTIAN CO., FT.SMITH, ARK

COUNTY: SEBASTIAN.

STATE: AR PIT NO.: 7903

	TEST NUMBER		LAST TEST RESULT	LAST TEST DATE
UNIT WEIGHT	AASHTO T-19		111.7	05/13/86
SPECIFIC GRAVITY	AASHTO T-84		2.630	07/29/93
FINENESS MODULUS	AASHTO T-27		2.850	07/29/93
MINUS 200 SIEVE	AASHTO T-11		0.1	07/29/93

LAST 10 TESTS AVERAGE

109.7
2.613
2.779
0.4

ALL TESTS AVERAGE NUMBER

109.7 3
2.613 7
2.779 7
0.4 6

KLINE SAND NE1/4,SEC21,T23N,R20W WOODWARD CO., WOODWARD, OK

COUNTY: WOODWARD

STATE: OK PIT NO.: 7701

	TEST NUMBER		LAST TEST RESULT	LAST TEST DATE
UNIT WEIGHT	AASHTO T-19		107.7	01/16/91
SPECIFIC GRAVITY	AASHTO T-84		2.630	11/13/95
FINENESS MODULUS	AASHTO T-27		2.680	11/13/95
MINUS 200 SIEVE	AASHTO T-11		0.4	11/13/95

LAST 10 TESTS AVERAGE

108.8
2.598
2.595
0.7

ALL TESTS AVERAGE NUMBER

108.6 14
2.620 126
2.624 126
0.5 126

LATTIMORE MATERIALS, BELLS, TEXAS

COUNTY: TEXAS ST.

STATE: TX PIT NO.: 7802

	TEST NUMBER		LAST TEST RESULT	LAST TEST DATE
UNIT WEIGHT	AASHTO T-19		108.1	08/19/86
SPECIFIC GRAVITY	AASHTO T-84		2.632	07/26/90
FINENESS MODULUS	AASHTO T-27		2.654	07/26/90
MINUS 200 SIEVE	AASHTO T-11		0.5	07/26/90

LAST 10 TESTS AVERAGE

108.5
2.601
2.915
0.7

ALL TESTS AVERAGE NUMBER

108.3 12
2.606 22
2.797 22
0.6 22

LEE'S SAND & GRAVEL N1/2,SEC9,T4S,R4E JOHNSTON CO.

COUNTY: JOHNSTON

STATE: OK PIT NO.: 3501

	TEST NUMBER		LAST TEST RESULT	LAST TEST DATE
UNIT WEIGHT	AASHTO T-19		106.9	04/20/84
SPECIFIC GRAVITY	AASHTO T-84		2.609	03/26/90
FINENESS MODULUS	AASHTO T-27		2.775	03/26/90
MINUS 200 SIEVE	AASHTO T-11		1.2	03/26/90

LAST 10 TESTS AVERAGE

106.9
2.616
2.794
0.9

ALL TESTS AVERAGE NUMBER

106.9 1
2.616 13
2.802 13
0.9 13

LIGHTLE SAND CO., HENNESSY W1/2,SEC2,T18N,R7W

COUNTY: KINGFISHER

STATE: OK PIT NO.: 3701

	TEST NUMBER		LAST TEST RESULT	LAST TEST DATE
UNIT WEIGHT	AASHTO T-19		109.6	06/16/92
SPECIFIC GRAVITY	AASHTO T-84		2.625	12/15/95
FINENESS MODULUS	AASHTO T-27		2.440	12/15/95
MINUS 200 SIEVE	AASHTO T-11		0.7	12/15/95

LAST 10 TESTS AVERAGE

109.1
2.620
2.463
0.8

ALL TESTS AVERAGE NUMBER

109.1 3
2.629 45
2.548 45
0.6 46

MARKWELL SAND & GRAVEL SEC4,T10N,R3E POTT. CO. SHAWNEE, OK

COUNTY: POTTAWATOMIE STATE: OK PIT NO.: 6302

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.2	07/11/85	110.2	1	
SPECIFIC GRAVITY	AASHTO T-84	2.623	07/11/85	2.623	1	
FINENESS MODULUS	AASHTO T-27	2.901	07/11/85	2.901	1	
MINUS 200 SIEVE	AASHTO T-11	1.5	07/11/85	1.5	1	

MCGEHEE'S SAND AND GRAVEL SW1/4,SEC2,T8S,R1E LOVE CO. OKLA.

COUNTY: LOVE STATE: OK PIT NO.: 4305

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	106.7	05/22/91	107.7	2	
SPECIFIC GRAVITY	AASHTO T-84	2.644	07/14/92	2.629	23	
FINENESS MODULUS	AASHTO T-27	2.460	07/14/92	2.578	23	
MINUS 200 SIEVE	AASHTO T-11	0.8	07/14/92	1.0	23	

MCMICHEAL SAND W1/2,SEC29,T18N,R13E TULSA CO., JENKS, OK

COUNTY: TULSA STATE: OK PIT NO.: 7208

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.4	01/16/86	113.1	4	
SPECIFIC GRAVITY	AASHTO T-84	2.604	11/09/88	2.616	56	
FINENESS MODULUS	AASHTO T-27	2.832	11/09/88	2.854	56	
MINUS 200 SIEVE	AASHTO T-11	0.1	11/09/88	0.7	56	

MID-CONTINENT CONCRETE,SEC.23,T25N,R2E,OSAGE CO.

COUNTY: OSAGE STATE: OK PIT NO.: 5701

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.8	10/13/89	107.5	14	
SPECIFIC GRAVITY	AASHTO T-84	2.634	12/07/90	2.590	56	
FINENESS MODULUS	AASHTO T-27	2.537	12/07/90	2.783	56	
MINUS 200 SIEVE	AASHTO T-11	0.2	12/07/90	0.7	54	

MILES SAND, SEC19,T26S,R1E,SEDGWICK CO. KANSAS, WICHITA

COUNTY: SEDGEWICK STATE: KS PIT NO.: 8008

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.5	11/06/87	111.5	1	
SPECIFIC GRAVITY	AASHTO T-84	2.602	12/16/87	2.616	2	
FINENESS MODULUS	AASHTO T-27	3.080	12/16/87	3.146	2	
MINUS 200 SIEVE	AASHTO T-11	0.3	12/16/87	0.3	2	

MOHAWK SAND CO. SW1/4,SEC14,T19N,R11E TULSA CO., TULSA, OK

COUNTY: TULSA STATE: OK PIT NO.: 7207

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.7	05/05/82	109.7	1	
SPECIFIC GRAVITY	AASHTO T-84	2.629	09/15/93	2.611	24	
FINENESS MODULUS	AASHTO T-27	2.570	09/15/93	2.777	24	
MINUS 200 SIEVE	AASHTO T-11	1.8	09/15/93	0.5	22	

MOHAWK SAND CO., SEC12, T19N, R10E, TULSA CO. SAND SPRINGS

COUNTY: TULSA

STATE: OK PIT NO.: 7215

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	109.9	02/27/86	110.3	110.4	12
SPECIFIC GRAVITY	AASHTO T-84	2.614	04/13/95	2.599	2.618	88
FINENESS MODULUS	AASHTO T-27	2.850	04/13/95	2.804	2.749	88
MINUS 200 SIEVE	AASHTO T-11	1.1	04/13/95	0.5	0.8	85

MURPHY PERKINS OKLA., CITY, OKLA.

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5502

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	103.0	02/26/87	103.0	103.0	1
SPECIFIC GRAVITY	AASHTO T-84	2.632	02/26/87	2.632	2.632	1
FINENESS MODULUS	AASHTO T-27	2.540	02/26/87	2.540	2.540	1
MINUS 200 SIEVE	AASHTO T-11	3.8	02/26/87	3.8	3.8	1

MURPHY PERKINS SEC. 4, T12N, R5W, CANADIAN CO.

COUNTY: CANADIAN

STATE: OK PIT NO.: 0904

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	103.6	06/04/87	103.6	103.6	1
SPECIFIC GRAVITY	AASHTO T-84	2.596	06/04/87	2.596	2.596	1
FINENESS MODULUS	AASHTO T-27	2.640	06/04/87	2.640	2.640	1
MINUS 200 SIEVE	AASHTO T-11	2.0	06/04/87	2.0	2.0	1

MUSKOGEE SAND CO. N1/2, SEC. 3, T15N, R18E, WAGONER CO. MUSKOGEE

COUNTY: WAGONER

STATE: OK PIT NO.: 7303

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	114.0	09/25/91	110.0	110.0	3
SPECIFIC GRAVITY	AASHTO T-84	2.630	12/20/95	2.613	2.606	34
FINENESS MODULUS	AASHTO T-27	2.420	12/20/95	2.520	2.680	34
MINUS 200 SIEVE	AASHTO T-11	0.1	12/20/95	0.6	0.3	28

MUSKOGEE SAND CO. S1/2, SEC34, T16N, R18E WAGONER CO., MUSKOGEE

COUNTY: WAGONER

STATE: OK PIT NO.: 7302

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	112.3	02/27/86	110.2	110.2	6
SPECIFIC GRAVITY	AASHTO T-84	2.622	03/16/93	2.605	2.614	39
FINENESS MODULUS	AASHTO T-27	3.110	03/16/93	2.612	2.668	39
MINUS 200 SIEVE	AASHTO T-11	0.4	03/16/93	0.3	0.3	37

MUSKOGEE SAND, MUSKOGEE (SEE 7302, 7303)

COUNTY: MUSKOGEE

STATE: OK PIT NO.: 5104

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	111.3	12/11/90	111.3	111.3	1
SPECIFIC GRAVITY	AASHTO T-84	2.637	12/21/93	2.632	2.632	10
FINENESS MODULUS	AASHTO T-27	2.770	12/21/93	2.820	2.820	10
MINUS 200 SIEVE	AASHTO T-11	0.2	12/21/93	0.2	0.2	10

NOVA SAND CO. SEC10,T12N,R2W OKLAHOMA COUNTY

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5511

	TEST NUMBER	
UNIT WEIGHT	AASHTO	T-19
SPECIFIC GRAVITY	AASHTO	T-84
FINENESS MODULUS	AASHTO	T-27
MINUS 200 SIEVE	AASHTO	T-11

LAST TEST RESULT	DATE
106.7	05/22/92
2.626	01/29/96
2.450	01/29/96
2.1	01/29/96

LAST 10 TESTS AVERAGE
106.7
2.609
2.626
2.1

ALL TESTS AVERAGE	NUMBER
106.7	1
2.619	64
2.508	66
1.9	66

NOVA SAND CO. OKLAHOMA CITY SEC24,T13N,R2W

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5501

	TEST NUMBER	
UNIT WEIGHT	AASHTO	T-19
SPECIFIC GRAVITY	AASHTO	T-84
FINENESS MODULUS	AASHTO	T-27
MINUS 200 SIEVE	AASHTO	T-11

LAST TEST RESULT	DATE
102.8	12/30/91
2.622	03/08/95
2.540	03/08/95
2.0	03/08/95

LAST 10 TESTS AVERAGE
104.3
2.621
2.518
1.4

ALL TESTS AVERAGE	NUMBER
104.3	2
2.618	17
2.520	17
1.6	17

OKLAHOMA SAND, INC. SEC11,T9S,R10E,BRYAN CO.

COUNTY: BRYAN

STATE: OK PIT NO.: 0702

	TEST NUMBER	
UNIT WEIGHT	AASHTO	T-19
SPECIFIC GRAVITY	AASHTO	T-84
FINENESS MODULUS	AASHTO	T-27
MINUS 200 SIEVE	AASHTO	T-11

LAST TEST RESULT	DATE
106.6	10/06/86
2.600	10/06/86
2.574	10/06/86
1.3	10/06/86

LAST 10 TESTS AVERAGE
106.6
2.600
2.574
1.3

ALL TESTS AVERAGE	NUMBER
106.6	1
2.600	1
2.574	1
1.3	1

OXFORD SAND & GRAVEL, SEC.7,T32S,R3E,COWLEY CO.KANSAS, OXFORD

COUNTY: COWLEY

STATE: KS PIT NO.: 8006

	TEST NUMBER	
UNIT WEIGHT	AASHTO	T-19
SPECIFIC GRAVITY	AASHTO	T-84
FINENESS MODULUS	AASHTO	T-27
MINUS 200 SIEVE	AASHTO	T-11

LAST TEST RESULT	DATE
109.6	09/10/87
2.616	09/10/87
2.543	09/10/87
0.5	09/10/87

LAST 10 TESTS AVERAGE
109.6
2.616
2.543
0.5

ALL TESTS AVERAGE	NUMBER
109.6	1
2.616	1
2.543	1
0.5	1

PANHANDLE GRAVEL WEST, INC. AMARILLO, TEXAS

COUNTY: POTTER.

STATE: TX PIT NO.: 7810

	TEST NUMBER	
UNIT WEIGHT	AASHTO	T-19
SPECIFIC GRAVITY	AASHTO	T-84
FINENESS MODULUS	AASHTO	T-27
MINUS 200 SIEVE	AASHTO	T-11

LAST TEST RESULT	DATE
106.8	06/18/86
2.626	07/01/91
2.546	07/01/91
0.5	07/01/91

LAST 10 TESTS AVERAGE
106.2
2.608
2.626
0.8

ALL TESTS AVERAGE	NUMBER
106.2	3
2.608	6
2.626	6
0.8	6

PIONEER AGGREGATE, INC. SEC.35,T32N,R33W,SEWARD CO KAN.

COUNTY: SEWARD.

STATE: KS PIT NO.: 8004

	TEST NUMBER	
UNIT WEIGHT	AASHTO	T-19
SPECIFIC GRAVITY	AASHTO	T-84
FINENESS MODULUS	AASHTO	T-27
MINUS 200 SIEVE	AASHTO	T-11

LAST TEST RESULT	DATE
105.1	04/25/85
2.615	10/02/87
2.713	10/02/87
1.1	10/02/87

LAST 10 TESTS AVERAGE
104.5
2.605
2.650
1.6

ALL TESTS AVERAGE	NUMBER
104.5	3
2.605	6
2.650	6
1.6	6

PRYOR SAND @ WHITEFIELD OKLA. SEC7,T9N,R20E

COUNTY: MUSKOGEE

STATE: OK PIT NO.: 5105

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	.	.	.	.	.
SPECIFIC GRAVITY	AASHTO T-84	2.618	01/18/95	2.626	2.626	4
FINENESS MODULUS	AASHTO T-27	2.620	01/18/95	2.839	2.839	4
MINUS 200 SIEVE	AASHTO T-11	0.2	01/18/95	0.1	0.1	3

RED RIVER SAND ELMER OKLA. ,SEC.24,T1S,R21W,JACKSON CO.

COUNTY: JACKSON

STATE: OK PIT NO.: 3303

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.8	09/09/86	111.5	111.5	9
SPECIFIC GRAVITY	AASHTO T-84	2.630	04/21/88	2.594	2.610	28
FINENESS MODULUS	AASHTO T-27	2.312	04/21/88	2.617	2.621	28
MINUS 200 SIEVE	AASHTO T-11	0.3	04/21/88	1.2	1.0	28

RENFRO SAND CO. W1/2,SEC1,T23N,R5E PAWNEE CO. RALSTON, OK

COUNTY: PAWNEE

STATE: OK PIT NO.: 5904

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	111.6	08/15/91	112.3	112.3	6
SPECIFIC GRAVITY	AASHTO T-84	2.627	09/22/93	2.608	2.610	18
FINENESS MODULUS	AASHTO T-27	2.950	09/22/93	2.894	2.865	18
MINUS 200 SIEVE	AASHTO T-11	0.1	09/22/93	0.4	0.3	18

RITCHIE SAND CO. SE1/4SEC35,T26S,R1W SEDGEWICK KANSAS

COUNTY: SEDGEWICK.

STATE: KS PIT NO.: 8009

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.1	06/16/92	109.1	109.1	1
SPECIFIC GRAVITY	AASHTO T-84	2.636	09/22/94	2.630	2.630	3
FINENESS MODULUS	AASHTO T-27	2.590	09/22/94	2.587	2.587	3
MINUS 200 SIEVE	AASHTO T-11	0.3	09/22/94	0.3	0.3	3

S&S SAND N1/2,SEC9,T10N,R24E SEQUOYAH CO.

COUNTY: SEQUOYAH

STATE: OK PIT NO.: 6803

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.5	03/26/90	110.5	110.5	1
SPECIFIC GRAVITY	AASHTO T-84	2.630	10/16/92	2.625	2.625	5
FINENESS MODULUS	AASHTO T-27	2.470	10/16/92	2.359	2.359	5
MINUS 200 SIEVE	AASHTO T-11	0.2	10/16/92	0.5	0.5	5

SAHARA SAND CO., SEC.7,T19N,R11E, TULSA CO, TULSA, OK

COUNTY: TULSA

STATE: OK PIT NO.: 7221

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.2	06/26/87	109.3	109.3	15
SPECIFIC GRAVITY	AASHTO T-84	2.616	12/13/94	2.599	2.607	51
FINENESS MODULUS	AASHTO T-27	2.580	12/13/94	2.643	2.681	51
MINUS 200 SIEVE	AASHTO T-11	0.8	12/13/94	1.5	1.0	50

SAND DREDGING CO. SEC15, T11N, R8E, SEMINOLE CO. CROMWELL

COUNTY: SEMINOLE

STATE: OK

PIT NO.: 6703

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	105.0	11/22/95	108.6	107.6	17
SPECIFIC GRAVITY	AASHTO T-84	2.630	12/04/95	2.591	2.618	260
FINENESS MODULUS	AASHTO T-27	2.520	12/04/95	2.702	2.684	263
MINUS 200 SIEVE	AASHTO T-11	0.8	12/04/95	1.0	1.1	262

SANDSPRING SAND, SEC.15, SE1/4, SE1/4, SE1/4, T19N, R11E, TULSA CO.

COUNTY: TULSA

STATE: OK

PIT NO.: 7209

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.2	02/14/86	110.2	110.2	5
SPECIFIC GRAVITY	AASHTO T-84	2.632	01/03/94	2.612	2.615	18
FINENESS MODULUS	AASHTO T-27	2.850	01/03/94	2.842	2.814	18
MINUS 200 SIEVE	AASHTO T-11	0.1	01/03/94	0.5	0.5	16

SANDY CREEK SAND & GRAVEL W1/2SEC7, T35, R10E ATOKA CO

COUNTY: ATOKA

STATE: OK

PIT NO.: 0301

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	98.4	03/30/90	98.4	98.4	1
SPECIFIC GRAVITY	AASHTO T-84	2.595	01/29/92	2.595	2.595	2
FINENESS MODULUS	AASHTO T-27	3.500	01/29/92	3.138	3.138	2
MINUS 200 SIEVE	AASHTO T-11	0.8	01/29/92	0.5	0.5	2

SCHWARTZ READY MIX OF OKC SEC.35, T13N, R2W OKLAHOMA CO.

COUNTY: OKLAHOMA

STATE: OK

PIT NO.: 5510

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	104.1	12/10/91	104.1	104.1	1
SPECIFIC GRAVITY	AASHTO T-84	2.626	11/08/94	2.617	2.617	4
FINENESS MODULUS	AASHTO T-27	2.580	11/08/94	2.547	2.547	4
MINUS 200 SIEVE	AASHTO T-11	2.1	11/08/94	2.9	2.9	4

SHARP SAND CO. SEC17, T13N, R1E, OKLA CO. EDMOND

COUNTY: OKLAHOMA

STATE: OK

PIT NO.: 5509

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	103.9	12/30/91	106.3	106.3	2
SPECIFIC GRAVITY	AASHTO T-84	2.619	11/08/94	2.617	2.619	14
FINENESS MODULUS	AASHTO T-27	2.920	11/08/94	2.475	2.517	14
MINUS 200 SIEVE	AASHTO T-11	0.8	11/08/94	1.7	1.5	14

SMITH SAND & GRAVEL, SEC27 & 28, T10N, R26E, MULDRON

COUNTY: SEQUOYAH

STATE: OK

PIT NO.: 6802

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	107.5	11/21/87	107.5	107.5	1
SPECIFIC GRAVITY	AASHTO T-84	2.633	12/23/88	2.623	2.623	2
FINENESS MODULUS	AASHTO T-27	2.645	12/23/88	2.681	2.681	2
MINUS 200 SIEVE	AASHTO T-11	0.7	12/23/88	0.6	0.6	2

SOBER SAND CO. (SOUTH) NW1/4,SEC35,T26N,R2E

COUNTY: KAY

STATE: OK PIT NO.: 3602

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.7	07/21/89	110.7	110.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.629	05/03/94	2.618	2.622	16
FINENESS MODULUS	AASHTO T-27	2.750	05/03/94	2.979	2.950	16
MINUS 200 SIEVE	AASHTO T-11	0.5	05/03/94	0.2	0.2	15

SOBER SAND CO., PONCA CITY SW1/4,SW1/4,SEC25,T26N,R2E

COUNTY: KAY

STATE: OK PIT NO.: 3601

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	113.9	08/20/90	110.6	111.2	19
SPECIFIC GRAVITY	AASHTO T-84	2.632	11/02/95	2.600	2.609	59
FINENESS MODULUS	AASHTO T-27	3.020	11/02/95	2.773	2.857	53
MINUS 200 SIEVE	AASHTO T-11	0.3	11/02/95	0.6	0.4	55

SOONER ROAD SAND MINE SEC28,T12N,R2W, OKLA CO. OKLA. CITY

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5503

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.6	12/30/91	106.8	106.8	4
SPECIFIC GRAVITY	AASHTO T-84	2.616	11/29/94	2.611	2.619	42
FINENESS MODULUS	AASHTO T-27	2.360	11/29/94	2.562	2.552	42
MINUS 200 SIEVE	AASHTO T-11	2.9	11/29/94	2.0	1.7	42

SOONER ROCK & SAND NORMAN,OKLA. (MORTAR SAND ONLY)

COUNTY: CLEVELAND

STATE: OK PIT NO.: 1401

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	.	.	.	.	.
SPECIFIC GRAVITY	AASHTO T-84	.	.	.	.	.
FINENESS MODULUS	AASHTO T-27	1.623	09/14/82	1.623	1.623	1
MINUS 200 SIEVE	AASHTO T-11	0.9	09/14/82	0.9	0.9	1

SOUTHWEST, S & G, S1/2,SEC4,T1N,R18W TILLMAN CO., SNYDER

COUNTY: TILLMAN

STATE: OK PIT NO.: 7102

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	110.3	02/21/85	110.3	110.3	1
SPECIFIC GRAVITY	AASHTO T-84	2.639	01/05/94	2.625	2.625	2
FINENESS MODULUS	AASHTO T-27	2.549	01/05/94	2.429	2.429	2
MINUS 200 SIEVE	AASHTO T-11	0.9	01/05/94	0.9	0.9	2

SOUTHWESTERN SAND SEC3,T1N,R18W,TILLMAN CO.,SNYDER

COUNTY: TILLMAN

STATE: OK PIT NO.: 7101

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	109.2	04/30/91	108.5	108.5	2
SPECIFIC GRAVITY	AASHTO T-84	2.618	02/05/96	2.616	2.625	160
FINENESS MODULUS	AASHTO T-27	2.500	02/05/96	2.465	2.536	160
MINUS 200 SIEVE	AASHTO T-11	0.7	02/05/96	0.6	0.8	160

SPIRO SAND CO. SPIRO SEC11,T9N,R25E

COUNTY: LE FLORE

STATE: OK

PIT NO.: 4001

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	108.6	05/20/86	108.3	108.3	8
SPECIFIC GRAVITY	AASHTO T-84	2.622	01/29/96	2.594	2.617	54
FINENESS MODULUS	AASHTO T-27	2.720	01/29/96	2.610	2.569	54
MINUS 200 SIEVE	AASHTO T-11	0.4	01/29/96	0.4	0.3	50

SWIN FORD, 666 BISHOP ROAD, LAWTON (MORTAR SAND)

COUNTY: COMANCHE

STATE: OK

PIT NO.: 1602

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	92.7	03/09/78	92.7	92.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.506	03/09/78	2.506	2.506	1
FINENESS MODULUS	AASHTO T-27	2.092	03/09/78	2.092	2.092	1
MINUS 200 SIEVE	AASHTO T-11	6.5	03/09/78	6.5	6.5	1

TARBET, INC. SEC18,T24S,R40W,HAMILTON CO. KANSAS SYRACUSE

COUNTY: HAMILTON

STATE: KS

PIT NO.: 8007

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	110.1	10/21/87	110.1	110.1	1
SPECIFIC GRAVITY	AASHTO T-84	2.604	01/25/89	2.615	2.615	8
FINENESS MODULUS	AASHTO T-27	2.795	01/25/89	2.899	2.899	8
MINUS 200 SIEVE	AASHTO T-11	0.9	01/25/89	0.7	0.7	8

TASCOSA SAND & GRAVEL,INC. WILDORADO,TEX.

COUNTY: OLDHAM.

STATE: TX

PIT NO.: 7809

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	105.6	06/18/86	105.6	105.6	1
SPECIFIC GRAVITY	AASHTO T-84	2.591	06/18/86	2.591	2.591	1
FINENESS MODULUS	AASHTO T-27	2.804	06/18/86	2.804	2.804	1
MINUS 200 SIEVE	AASHTO T-11	0.4	06/18/86	0.4	0.4	1

TEXAS SAND & GRAVEL. KRITSER PIT,POTTER CO. TEXAS

COUNTY: POTTER.

STATE: TX

PIT NO.: 7815

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	107.6	03/02/93	107.6	107.6	1
SPECIFIC GRAVITY	AASHTO T-84	2.615	08/02/94	2.608	2.608	2
FINENESS MODULUS	AASHTO T-27	2.500	08/02/94	2.585	2.585	2
MINUS 200 SIEVE	AASHTO T-11	0.4	08/02/94	0.4	0.4	2

TEXAS SAND &GRAVEL CO.INC., VEGA, TEXAS

COUNTY: OLDHAM.

STATE: TX

PIT NO.: 7807

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	105.7	06/18/86	105.9	105.9	3
SPECIFIC GRAVITY	AASHTO T-84	2.634	10/12/94	2.609	2.619	22
FINENESS MODULUS	AASHTO T-27	2.570	10/12/94	2.729	2.676	22
MINUS 200 SIEVE	AASHTO T-11	0.4	10/12/94	0.7	0.5	22

TEXHOMA SAND & G. SE1/4,SEC36,T7S,R7E BRYAN COUNTY OKLA.

COUNTY: BRYAN

STATE: OK PIT NO.: 0705

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	104.0	01/24/91	104.0	104.0	1
SPECIFIC GRAVITY	AASHTO T-84	2.639	09/18/95	2.623	2.623	10
FINENESS MODULUS	AASHTO T-27	2.400	09/18/95	2.430	2.430	10
MINUS 200 SIEVE	AASHTO T-11	1.0	09/18/95	1.0	1.0	10

THACH SAND, INC., SEC.27,T23S,R3W,HARVEY CO.KANSAS, BURRTON

COUNTY: HARVEY.

STATE: KS PIT NO.: 8005

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	105.7	01/27/87	105.7	105.7	1
SPECIFIC GRAVITY	AASHTO T-84	2.590	01/27/87	2.590	2.590	1
FINENESS MODULUS	AASHTO T-27	2.505	01/27/87	2.505	2.505	1
MINUS 200 SIEVE	AASHTO T-11	0.5	01/27/87	0.5	0.5	1

THROOP CONST. SEC23,T25N,R2E

COUNTY: KAY

STATE: OK PIT NO.: 3603

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	105.8	10/06/93	105.8	105.8	1
SPECIFIC GRAVITY	AASHTO T-84	2.622	10/06/93	2.622	2.622	1
FINENESS MODULUS	AASHTO T-27	2.610	10/06/93	2.610	2.610	1
MINUS 200 SIEVE	AASHTO T-11	0.9	10/06/93	0.9	0.9	1

TULSA SAND CO. SEC.3,T19N,R12E,TULSA CO.

COUNTY: TULSA

STATE: OK PIT NO.: 7206

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.8	02/26/86	111.2	111.2	4
SPECIFIC GRAVITY	AASHTO T-84	2.639	02/26/86	2.615	2.615	4
FINENESS MODULUS	AASHTO T-27	2.776	02/26/86	2.906	2.906	4
MINUS 200 SIEVE	AASHTO T-11	0.2	02/26/86	0.4	0.4	4

TURPIN BROS. SEC34,T4N,R10E,HUGHES CO. CALVIN

COUNTY: HUGHES

STATE: OK PIT NO.: 3201

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	108.8	08/19/86	111.1	111.1	3
SPECIFIC GRAVITY	AASHTO T-84	2.616	07/17/89	2.597	2.597	5
FINENESS MODULUS	AASHTO T-27	2.597	07/17/89	2.675	2.675	5
MINUS 200 SIEVE	AASHTO T-11	1.5	07/17/89	2.4	2.4	5

TXI RED RIVER S&G.WAURIKA,OK. SEC.13 & 24.T5S,R9W,JEFFERSON CO.

COUNTY: JEFFERSON

STATE: OK PIT NO.: 3403

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
UNIT WEIGHT	AASHTO T-19	112.7	09/24/91	112.4	112.4	5
SPECIFIC GRAVITY	AASHTO T-84	2.609	12/20/95	2.613	2.623	107
FINENESS MODULUS	AASHTO T-27	2.660	12/20/95	2.661	2.628	107
MINUS 200 SIEVE	AASHTO T-11	0.9	12/20/95	0.6	0.5	106

VOLCANIC STONE BORGER, TEXAS

COUNTY: HUTCHINSON.

STATE: TX

PIT NO.: 7814

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	111.3	04/30/87	110.6	110.6	2
SPECIFIC GRAVITY	AASHTO T-84	2.623	04/30/87	2.624	2.624	3
FINENESS MODULUS	AASHTO T-27	2.794	04/30/87	2.779	2.779	3
MINUS 200 SIEVE	AASHTO T-11	1.5	04/30/87	1.5	1.5	3

W.F. HUDSON SAND PIT.E 1/2 SEC.1,T27N,R23W @ (BUFFALO,OK)

COUNTY: HARPER

STATE: OK

PIT NO.: 3001

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	106.4	02/23/95	106.4	106.4	1
SPECIFIC GRAVITY	AASHTO T-84	2.618	02/23/95	2.618	2.618	1
FINENESS MODULUS	AASHTO T-27	2.690	02/23/95	2.690	2.690	1
MINUS 200 SIEVE	AASHTO T-11	0.7	02/23/95	0.7	0.7	1

WATKINS SAND W1/2,SEC29,T18N,R13E, TULSA CO,

COUNTY: TULSA

STATE: OK

PIT NO.: 7228

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	113.2	01/10/94	113.2	113.2	1
SPECIFIC GRAVITY	AASHTO T-84	2.618	12/15/94	2.619	2.619	2
FINENESS MODULUS	AASHTO T-27	2.690	12/15/94	2.775	2.775	2
MINUS 200 SIEVE	AASHTO T-11	0.6	12/15/94	0.5	0.5	2

WESTERN OK. SAND & GRVL WOODWARD NE1/4,SE1/4,SEC4,T16N,R19W

COUNTY: DEWEY

STATE: OK

PIT NO.: 2201

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	109.9	03/25/93	109.9	109.9	2
SPECIFIC GRAVITY	AASHTO T-84	2.625	11/28/95	2.618	2.626	31
FINENESS MODULUS	AASHTO T-27	2.470	11/28/95	2.482	2.564	33
MINUS 200 SIEVE	AASHTO T-11	1.1	11/28/95	1.4	1.2	33

WESTERN S & G, TASCOSA, TEXAS

COUNTY: OLDHAM.

STATE: TX

PIT NO.: 7803

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	103.5	07/08/85	104.5	104.5	4
SPECIFIC GRAVITY	AASHTO T-84	2.630	05/24/94	2.605	2.612	14
FINENESS MODULUS	AASHTO T-27	2.740	05/24/94	2.580	2.579	13
MINUS 200 SIEVE	AASHTO T-11	3.6	05/24/94	1.2	1.4	14

WILDCAT SAND & GRAVEL THACKERVILLE SEC14,T8N,R1E

COUNTY: LOVE

STATE: OK

PIT NO.: 4306

	TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
UNIT WEIGHT	AASHTO T-19	110.0	03/29/93	110.0	110.0	1
SPECIFIC GRAVITY	AASHTO T-84	2.634	11/06/95	2.629	2.629	8
FINENESS MODULUS	AASHTO T-27	2.350	11/06/95	2.419	2.419	8
MINUS 200 SIEVE	AASHTO T-11	0.5	11/06/95	0.8	0.8	7

WINTERS SAND CO. SE1/4,SEC30,T1N,R3E MURRAY CO.

COUNTY: MURRAY

STATE: OK PIT NO.: 5007

	TEST NUMBER	LAST TEST DATE	RESULT
UNIT WEIGHT	AASHTO T-19	01/13/87	98.9
SPECIFIC GRAVITY	AASHTO T-84	01/13/87	2.566
FINENESS MODULUS	AASHTO T-27	01/13/87	3.398
MINUS 200 SIEVE	AASHTO T-11	01/13/87	1.2

LAST 10 TESTS AVERAGE

98.9
2.566
3.398
1.2

ALL TESTS AVERAGE NUMBER

98.9 1
2.566 1
3.398 1
1.2 1

WOODWARD S & G. NE1/4,SEC.26,T23N,R20W.WOODWARD,CO.

COUNTY: WOODWARD

STATE: OK PIT NO.: 7702

	TEST NUMBER	LAST TEST DATE	RESULT
UNIT WEIGHT	AASHTO T-19	11/29/94	106.9
SPECIFIC GRAVITY	AASHTO T-84	11/29/94	2.637
FINENESS MODULUS	AASHTO T-27	11/29/94	2.502
MINUS 200 SIEVE	AASHTO T-11	11/29/94	0.8

LAST 10 TESTS AVERAGE

107.3
2.635
2.371
0.5

ALL TESTS AVERAGE NUMBER

107.3 2
2.635 3
2.371 3
0.5 3

WULLICH & WULLICH (W&W) SEC25,T12N,R1E.OK CO.

COUNTY: OKLAHOMA

STATE: OK PIT NO.: 5508

	TEST NUMBER	LAST TEST DATE	RESULT
UNIT WEIGHT	AASHTO T-19	12/30/91	101.0
SPECIFIC GRAVITY	AASHTO T-84	11/27/95	2.618
FINENESS MODULUS	AASHTO T-27	11/27/95	2.630
MINUS 200 SIEVE	AASHTO T-11	11/27/95	2.3

LAST 10 TESTS AVERAGE

105.3
2.611
2.408
2.2

ALL TESTS AVERAGE NUMBER

105.3 4
2.612 82
2.510 85
1.6 85

*****FINE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY PIT NUMBER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
0301	ATOKA	OK	SANDY CREEK SAND & GRAVEL W1/2SEC7,T35,R10E ATOKA CO
0401	BEAVER	OK	BIG CHIEF S & R GATE, OKLA.SEC.1,T5N,R27E CM, BEAVER CO.
0402	BEAVER	OK	J&R SAND CO, INC. SEC.15,T3S,R21E, BEAVER COUNTY, OKLA.
0601	BLAINE	OK	BOON SAND & GRAVEL, GREENFIELD SEC30,T15N,R12W, BLAINE CO.
0602	BLAINE	OK	BOON SAND & GRAVEL, WATONGA SE1/4,SEC6,T15N,R11W, BLAINE CO.
0603	BLAINE	OK	BOON SAND & GRAVEL, SEC3,T16N,R12W, WATONGA PLANT # 2
0701	BRYAN	OK	BRYAN COUNTY SAND, SEC11,T9S,R10E,BRYAN CO. YUBA OKLA.
0702	BRYAN	OK	OKLAHOMA SAND, INC. SEC11,T9S,R10E,BRYAN CO.
0703	BRYAN	OK	BOORHEM-FIELDS YUBA PLANT N1/2 SEC15,T9S,R15E
0704	BRYAN	OK	HOPE SAND CO.,INC,SEC10,T9S,R10E, BRYAN C., YUBA, OKLA.
0705	BRYAN	OK	TEXHOMA SAND & G. SE1/4,SEC36,T7S,R7E BRYAN COUNTY OKLA.
0903	CANADIAN	OK	DOLESE, YUKON#1 SW1/4 SEC13,T12N,R6W
0904	CANADIAN	OK	MURPHY PERKINS SEC.4,T12N,R5W,CANADIAN CO.
0905	CANADIAN	OK	DOLESE,YUKON #2 E1/2,NE1/4,SEC.9,T12N,R6W,CANADIAN CO.
1201	CHOCTAW	OK	BOORHEM-FIELDS HUGO SEC25,T5S,R17E,CHOCTAW CO.
1202	CHOCTAW	OK	BLUFF MATERIALS SEC.19,T7N,R16E,CHOCTAW CO HUGO
1205	CHOCTAW	OK	BOORHEM FIELDS -APPLESEC 31,T4N,R11W.
1207	CHOCTAW	OK	J.J. & A. @ HUGO.S1/2,SW1/4,SEC.24,T5S,R17E(NEAR MESSER)
1401	CLEVELAND	OK	SOONER ROCK & SAND NORMAN,OKLA. (MORTAR SAND ONLY)
1402	CLEVELAND	OK	GENERAL MATLS. INC., OKLA CITY E1/2,SEC 27,T10N,R4W
1601	COMANCHE	OK	DOLESE AT RICHARD SPUR COMANCHE CO. SW1/4,SEC31,T4N,R11W
1602	COMANCHE	OK	SWIN FORD, 666 BISHOP ROAD, LAWTON (MORTAR SAND)
1701	COTTON	OK	E & A MATLS TEMPLE COTTON CO. S1/2,SEC12,T5S,R10W
2201	DEWEY	OK	WESTERN OK. SAND & GRVL WOODWARD NE1/4,SE1/4,SEC4,T16N,R19W
2301	ELLIS	OK	CHARLES WORD S & G ARNETT,OKLA. SW1/4,SEC 20,T18N,R24W
2501	GARVIN	OK	JACOBSON SEC-15,T3N,R2E GARVIN COUNTY
3001	HARPER	OK	W.F. HUDSON SAND PIT.E 1/2 SEC.1,T27N,R23W @ (BUFFALO,OK)
3201	HUGHES	OK	TURPIN BROS. SEC34,T4N,R10E,HUGHES CO. CALVIN
3301	JACKSON	OK	CITY CONCRETE, ALTUS (SEE PIT #3303)
3303	JACKSON	OK	RED RIVER SAND ELMER OKLA.,SEC.24,T1S,R21W,JACKSON CO.
3402	JEFFERSON	OK	E & A MATERIALS, MAURIKA, OKLA (SEE PIT #1701)
3403	JEFFERSON	OK	TXI RED RIVER S&G.MAURIKA,OK. SEC.13 & 24.T5S,R9W,JEFFERSON CO.
3501	JOHNSTON	OK	LEE'S SAND & GRAVEL N1/2,SEC9,T4S,R4E JOHNSTON CO.
3601	KAY	OK	SOBER SAND CO., PONCA CITY SW1/4,SW1/4,SEC25,T26N,R2E
3602	KAY	OK	SOBER SAND CO. (SOUTH) NW1/4,SEC35,T26N,R2E
3603	KAY	OK	THROOP CONST. SEC23,T25N,R2E
3701	KINGFISHER	OK	LIGHTLE SAND CO., HENNESSY W1/2,SEC2,T18N,R7W
3702	KINGFISHER	OK	DOLESE, DOVER SEC 11,T17N,R7W
4001	LE FLORE	OK	SPIRO SAND CO. SPIRO SEC11,T9N,R25E
4002	LE FLORE	OK	CORFF SAND&GRAVEL SEC19,T10N,R24E
4201	LOGAN	OK	DOLESE, GUTHRIE N1/2,SEC28,T17N,R2W
4301	LOVE	OK	GAINESVILLE SAND CO.,THACKERVILLE,SEC2&3,T9S,R1E,LOVE,CO.OK.
4305	LOVE	OK	MCGEHEE'S SAND AND GRAVEL SW1/4,SEC2,T8S,R1E LOVE CO. OKLA.
4306	LOVE	OK	WILDCAT SAND & GRAVEL THACKERVILLE SEC14,T8N,R1E
4401	MCCLAIN	OK	DOLESE @ NEWCASTLE
4501	MCCURTAIN	OK	ANDERSON & DUNHAM INC. EAGLETOWN SEC8,T6S,R26E
4502	MCCURTAIN	OK	B & B S.& G.CO. EAGLETOWN SEC17,T6S,R26E, MCCURTAIN CO.
4701	MAJOR	OK	EAGLE SAND & ROCK, CLEO SPRINGS NE1/4,SEC23,T22N,R21W
4702	MAJOR	OK	B&B SAND & GRAVEL RINGWOOD, OKLA. W1/2,SEC19,T21N,R10W
5007	MURRAY	OK	WINTERS SAND CO. SE1/4,SEC30,T1N,R3E MURRAY CO.
5103	MUSKOGEE	OK	ARKHOLA S & G, MUSKOGEE W1/2,SEC4,T15N,R18E
5104	MUSKOGEE	OK	MUSKOGEE SAND, MUSKOGEE (SEE 7302,7303)
5105	MUSKOGEE	OK	PRYOR SAND @ WHITEFIELD OKLA. SEC7,T9N,R20E
5501	OKLAHOMA	OK	NOVA SAND CO. OKLAHOMA CITY SEC24,T13N,R2W
5502	OKLAHOMA	OK	MURPHY PERKINS OKLA.,CITY,OKLA.

*****FINE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY PIT NUMBER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
5503	OKLAHOMA	OK	SOONER ROAD SAND MINE SEC28,T12N,R2W, OKLA CO. OKLA. CITY
5506	OKLAHOMA	OK	DOLESE SW1/4,SEC11,T12N,R2W OKLA. CO., SPENCER
5507	OKLAHOMA	OK	CORFF SAND & GRAVEL CO.,SEC.35,T13N,R1E,
5508	OKLAHOMA	OK	WULLICH & WULLICH (W&W) SEC25,T12N,R1E.OK CO.
5509	OKLAHOMA	OK	SHARP SAND CO. SEC17,T13N,R1E,OKLA CO. EDMOND
5510	OKLAHOMA	OK	SCHWARTZ READY MIX OF OKC SEC.35,T13N,R2W OKLAHOMA CO.
5511	OKLAHOMA	OK	NOVA SAND CO. SEC10,T12N,R2W OKLAHOMA COUNTY
5512	OKLAHOMA	OK	GODDARD CONCRETE SEC24,T13N,R2W OKLAHOMA CO.
5701	OSAGE	OK	MID-CONTINENT CONCRETE,SEC.23,T25N,R2E,OSAGE CO.
5903	PAWNEE	OK	DAVIS SAND CO. SW1/4,SEC13,T22N,R6E PAWNEE CO. BLACKBURN, OK
5904	PAWNEE	OK	RENFRO SAND CO. W1/2,SEC1,T23N,R5E PAWNEE CO. RALSTON, OK
6001	PAYNE	OK	J. L. IRWIN S & G CO. SEC7,T17N,R3E PAYNE CO. PERKINS, OK
6201	PONTOTOC	OK	ENGLE CONST. CO.,INC. SEC8,T4N,R6E,PONTOTOC CO. ADA,OKLA.
6202	PONTOTOC	OK	J & W CONST. CO. E1/2SEC9,T3N,R4E PONTOTOC CO.
6301	POTTAWATOMIE	OK	CORFF SAND CO., SEC.10,T6N,R4E, POTT. CO.
6302	POTTAWATOMIE	OK	MARKWELL SAND & GRAVEL SEC4,T10N,R3E POTT. CO. SHAWNEE, OK
6303	POTTAWATOMIE	OK	CORFF SAND & GRAVEL CO., SEC.33,T7N,R5E KONAWA. OKLA.
6703	SEMINOLE	OK	SAND DREDGING CO.SEC15,T11N,R8E,SEMINOLE CO. CROMWELL
6801	SEQUOYAH	OK	JEFFREY SAND & GRAVEL, SEC19.T12N,R21E,SEQUOYAH COUNTY GORE
6802	SEQUOYAH	OK	SMITH SAND & GRAVEL, SEC27 & 28,T10N,R26E, MULDROW
6803	SEQUOYAH	OK	S&S SAND N1/2,SEC9,T10N,R24E SEQUOYAH CO.
7001	TEXAS CO.	OK	BEHNE S & G, GUYMON SEC.13,T3N,R14E, TEXAS COUNTY.
7101	TILLMAN	OK	SOUTHWESTERN SAND SEC3,T1N,R18W,TILLMAN CO.,SNYDER
7102	TILLMAN	OK	SOUTHWEST, S & G, S1/2,SEC4,T1N,R18W TILLMAN CO., SNYDER
7203	TULSA	OK	ANCHOR SAND CO. NE1/4,NE1/4,SEC19,T18N,R13E TULSA CO., JENKS
7204	TULSA	OK	ANCHOR SAND CO., JENKS BLENDED SAND
7206	TULSA	OK	TULSA SAND CO. SEC.3,T19N,R12E,TULSA CO.
7207	TULSA	OK	MOHAWK SAND CO. SW1/4,SEC14,T19N,R11E TULSA CO., TULSA, OK
7208	TULSA	OK	MCHICHEAL SAND W1/2,SEC29,T18N,R13E TULSA CO., JENKS, OK
7209	TULSA	OK	SANDSPRING SAND,SEC.15,SE1/4,SE1/4,SE1/4,T19N,R11E,TULSA CO.
7212	TULSA	OK	HOLLDAY S&G CO. SEC13,T17N,R13E,TULSA CO. BIXBY
7213	TULSA	OK	BIXBY FOUR STAR SD & GVL CO. SEC14,T17N,R13E,TULSA CO. BIXBY
7215	TULSA	OK	MOHAWK SAND CO.,SEC12,T19N,R10E,TULSA CO. SAND SPRINGS
7216	TULSA	OK	CUMMINS SAND SW1/4 SEC9,T19N,R11E TULSA CO. SAND SPRINGS
7217	TULSA	OK	ANCHOR SAND NE1/4 SEC33,T18N,R13E TULSA CO., DELAWARE PLANT
7220	TULSA	OK	GRACE SAND CO. SEC19,T18N,R13E,TULSA CO., TULSA, OK
7221	TULSA	OK	SAHARA SAND CO., SEC.7,T19N,R11E, TULSA CO, TULSA, OK
7222	TULSA	OK	D & R TRUCKING CO. SW1/4,SEC2,T19N,R10E, TULSA CO, TULSA, OK
7226	TULSA	OK	ANCHOR SAND SW1/4,SEC5,T19N,R11E, WEKIWA PIT TULSA CO.
7228	TULSA	OK	WATKINS SAND W1/2,SEC29,T18N,R13E, TULSA CO,
7301	WAGONER	OK	COWETA SAND INC. SEC31,T17N,R16E WAGONER CO.
7302	WAGONER	OK	MUSKOGEE SAND CO. S1/2,SEC34,T16N,R18E WAGONER CO., MUSKOGEE
7303	WAGONER	OK	MUSKOGEE SAND CO. N1/2,SEC.3,T15N,R18E,WAGONER CO. MUSKOGEE
7304	WAGONER	OK	HASKELL SAND CO. NW1/4,SEC32,T16N,R16E, WAGONER CO., HASKELL
7305	WAGONER	OK	COWETA MATERIALS, SEC31,T17N,R16E, WAGONER CO.
7602	WOODS	OK	ALVA CONC. MATERIAL CO. SW 1/2 SE 1/4 SEC. 1, T27N, R14W
7701	WOODWARD	OK	KLINE SAND NE1/4,SEC21,T23N,R20W WOODWARD CO., WOODWARD, OK
7702	WOODWARD	OK	WOODWARD S & G. NE1/4,SEC.26,T23N,R20W.WOODWARD,CO.
7802	TEXAS ST.	TX	LATTIMORE MATERIALS, BELLS,TEXAS
7803	OLDHAM.	TX	WESTERN S & G, TASCOSA,TEXAS
7805	HUTCHINSON	TX	BORGER SAND & GRAVEL, BORGER, TEXAS (SPRING CREEK PLANT)
7806	HUTCHINSON.	TX	BORGER SAND & GRAVEL, SANFORD, TEXAS
7807	OLDHAM.	TX	TEXAS SAND &GRAVEL CO.INC., VEGA, TEXAS
7808	HUTCHINSON	TX	E.D.BAKER(BORGER)
7809	OLDHAM.	TX	TASCOSA SAND & GRAVEL,INC. WILDORADO,TEX.

*****FINE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY PIT NUMBER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
7810	POTTER.	TX	PANHANDLE GRAVEL WEST, INC. AMARILLO, TEXAS
7812	HUTCHINSON	TX	APPIAN CORP., FRITCH, TEXAS
7813	TEXAS ST.	TX	GIFFORD HILL, DALLAS, TEXAS.
7814	HUTCHINSON.	TX	VOLCANIC STONE BORGER, TEXAS
7815	POTTER.	TX	TEXAS SAND & GRAVEL. KRITSER PIT,POTTER CO. TEXAS
7816	TEXAS ST.	TX	GAINESVILLE SAND CO., GAINESVILLE, TEXAS
7901	CRAWFORD.	AR	ARKHOLA S & G, SEC25,T9N,R32W, CRAWFORD CO., VAN BUREN, ARK.
7903	SEBASTIAN.	AR	JEFFREY SAND CO. SEC12,T8N,R32W,SEBASTIAN CO., FT.SMITH, ARK
7907	LITTLE RIVER	AR	GIFFORD HILL, WILTON, ARKANSAS
8001	SEWARD.	KS	J&R SAND CO, INC. SEC.36,T32S,R33W,SEWARD CO. KS.
8002	HARVEY.	KS	BRYAN SAND CO. S1/2,SEC27,T23S,R3W HARVEY CO., KA., BURRTON
8003	COWLEY.	KS	ARK CITY CONC. NW1/4,SEC26,T34S,R3E,COWLEY CO.KA.
8004	SEWARD.	KS	PIONEER AGGREGATE, INC.SEC.35,T32N,R33W,SEWARD CO KAN.
8005	HARVEY.	KS	THACH SAND, INC.,SEC.27,T23S,R3W,HARVEY CO.KANSAS, BURRTON
8006	COWLEY	KS	OXFORD SAND & GRAVEL,SEC.7,T32S,R3E,COWLEY CO.KANSAS, OXFORD
8007	HAMILTON	KS	TARBET, INC. SEC18,T24S,R40W,HAMILTON CO. KANSAS SYRACUSE
8008	SEDEGWICK	KS	MILES SAND, SEC19,T26S,R1E,SEDEGWICK CO. KANSAS, WICHITA
8009	SEDEGWICK.	KS	RITCHIE SAND CO. SE1/4SEC35,T26S,R1W SEDGEWICK KANSAS
8101	PROWER.	CO	CARDER, INC., SEC30,T22S,R46W,PROWER CO.; LAMAR COLORADO

*****FINE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY SUPPLIER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
7602	WOODS	OK	ALVA CONC. MATERIAL CO. SW 1/2 SE 1/4 SEC. 1, T27N, R14W
7226	TULSA	OK	ANCHOR SAND SW1/4,SEC5,T19N,R11E, WEKIWA PIT TULSA CO.
7203	TULSA	OK	ANCHOR SAND CO. NE1/4,NE1/4,SEC19,T18N,R13E TULSA CO., JENKS
7204	TULSA	OK	ANCHOR SAND CO., JENKS BLENDED SAND
7217	TULSA	OK	ANCHOR SAND NE1/4 SEC33,T18N,R13E TULSA CO., DELAWARE PLANT
4501	MCCURTAIN	OK	ANDERSON & DUNHAM INC. EAGLETOWN SEC8,T6S,R26E
7812	HUTCHINSON	TX	APPIAN CORP., FRITCH, TEXAS
8003	COWLEY.	KS	ARK CITY CONC. NW1/4,SEC26,T34S,R3E,COWLEY CO.KA.
5103	MUSKOGEE	OK	ARKHOLA S & G, MUSKOGEE W1/2,SEC4,T15N,R18E
7901	CRAWFORD.	AR	ARKHOLA S & G, SEC25,T9N,R32W, CRAWFORD CO., VAN BUREN, ARK.
4502	MCCURTAIN	OK	B & B S.& G.CO. EAGLETOWN SEC17,T6S,R26E, MCCURTAIN CO.
4702	MAJOR	OK	B&B SAND & GRAVEL RINGWOOD, OKLA. W1/2,SEC19,T21N,R10W
7001	TEXAS CO.	OK	BEHNE S & G, GUYMON SEC.13,T3N,R14E, TEXAS COUNTY.
0401	BEAVER	OK	BIG CHIEF S & R GATE, OKLA.SEC.1,T5N,R27E CH, BEAVER CO.
7213	TULSA	OK	BIXBY FOUR STAR SD & GVL CO. SEC14,T17N,R13E,TULSA CO. BIXBY
1202	CHOCTAW	OK	BLUFF MATERIALS SEC.19,T7N,R16E,CHOCTAW CO HUGO
0601	BLAINE	OK	BOON SAND & GRAVEL, GREENFIELD SEC30,T15N,R12W, BLAINE CO.
0603	BLAINE	OK	BOON SAND & GRAVEL, SEC3,T16N,R12W, WATONGA PLANT # 2
0602	BLAINE	OK	BOON SAND & GRAVEL, WATONGA SE1/4,SEC6,T15N,R11W, BLAINE CO.
1205	CHOCTAW	OK	BOORHEM FIELDS -APPLESEC 31,T4N,R11W.
1201	CHOCTAW	OK	BOORHEM-FIELDS HUGO SEC25,T5S,R17E,CHOCTAW CO.
0703	BRYAN	OK	BOORHEM-FIELDS YUBA PLANT N1/2 SEC15,T9S,R15E
7805	HUTCHINSON	TX	BORGER SAND & GRAVEL, BORGER, TEXAS (SPRING CREEK PLANT)
7806	HUTCHINSON.	TX	BORGER SAND & GRAVEL, SANFORD, TEXAS
0701	BRYAN	OK	BRYAN COUNTY SAND, SEC11,T9S,R10E,BRYAN CO. YUBA OKLA.
8002	HARVEY.	KS	BRYAN SAND CO. S1/2,SEC27,T23S,R3W HARVEY CO., KA., BURRTON
8101	PROWER.	CO	CARDER, INC., SEC30,T22S,R46W,PROWER CO.; LAMAR COLORADO
2301	ELLIS	OK	CHARLES WORD S & G ARNETT,OKLA. SW1/4,SEC 20,T18N,R24W
3301	JACKSON	OK	CITY CONCRETE, ALTUS (SEE PIT #3303)
6303	POTTAWATOMIE	OK	CORFF SAND & GRAVEL CO., SEC.33,T7N,R5E KONAWA. OKLA.
5507	OKLAHOMA	OK	CORFF SAND & GRAVEL CO.,SEC.35,T13N,R1E,
6301	POTTAWATOMIE	OK	CORFF SAND CO., SEC.10,T6N,R4E, POTT. CO.
4002	LE FLORE	OK	CORFF SAND&GRAVEL SEC19,T10N,R24E
7305	WAGONER	OK	COWETA MATERIALS, SEC31,T17N,R16E, WAGONER CO.
7301	WAGONER	OK	COWETA SAND INC. SEC31,T17N,R16E WAGONER CO.
7216	TULSA	OK	CUMMINS SAND SW1/4 SEC9,T19N,R11E TULSA CO. SAND SPRINGS
7222	TULSA	OK	D & R TRUCKING CO. SW1/4,SEC2,T19N,R10E, TULSA CO, TULSA, OK
5903	PAWNEE	OK	DAVIS SAND CO. SW1/4,SEC13,T22N,R6E PAWNEE CO. BLACKBURN, OK
4401	MCCLAIN	OK	DOLESE @ NEWCASTLE
1601	COMANCHE	OK	DOLESE AT RICHARD SPUR COMANCHE CO. SW1/4,SEC31,T4N,R11W
5506	OKLAHOMA	OK	DOLESE SW1/4,SEC11,T12N,R2W OKLA. CO., SPENCER
3702	KINGFISHER	OK	DOLESE, DOVER SEC 11,T17N,R7W
4201	LOGAN	OK	DOLESE, GUTHRIE N1/2,SEC28,T17N,R2W
0903	CANADIAN	OK	DOLESE, YUKON#1 SW1/4 SEC13,T12N,R6W
0905	CANADIAN	OK	DOLESE,YUKON #2 E1/2,NE1/4,SEC.9,T12N,R6W,CANADIAN CO.
3402	JEFFERSON	OK	E & A MATERIALS, WAURIKA, OKLA (SEE PIT #1701)
1701	COTTON	OK	E & A MATLS TEMPLE COTTON CO. S1/2,SEC12,T5S,R10W
7808	HUTCHINSON	TX	E.D.BAKER(BORGER)
4701	MAJOR	OK	EAGLE SAND & ROCK, CLEO SPRINGS NE1/4,SEC23,T22N,R21W
6201	PONTOTOC	OK	ENGLE CONST. CO.,INC. SEC8,T4N,R6E,PONTOTOC CO. ADA,OKLA.
7816	TEXAS ST.	TX	GAINESVILLE SAND CO., GAINESVILLE, TEXAS
4301	LOVE	OK	GAINESVILLE SAND CO.,THACKERVILLE,SEC2&3,T9S,R1E,LOVE,CO.OK.
1402	CLEVELAND	OK	GENERAL MATLS. INC., OKLA CITY E1/2,SEC 27,T10N,R4W
7813	TEXAS ST.	TX	GIFFORD HILL, DALLAS, TEXAS.
7907	LITTLE RIVER	AR	GIFFORD HILL, WILTON, ARKANSAS

*****FINE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY SUPPLIER)

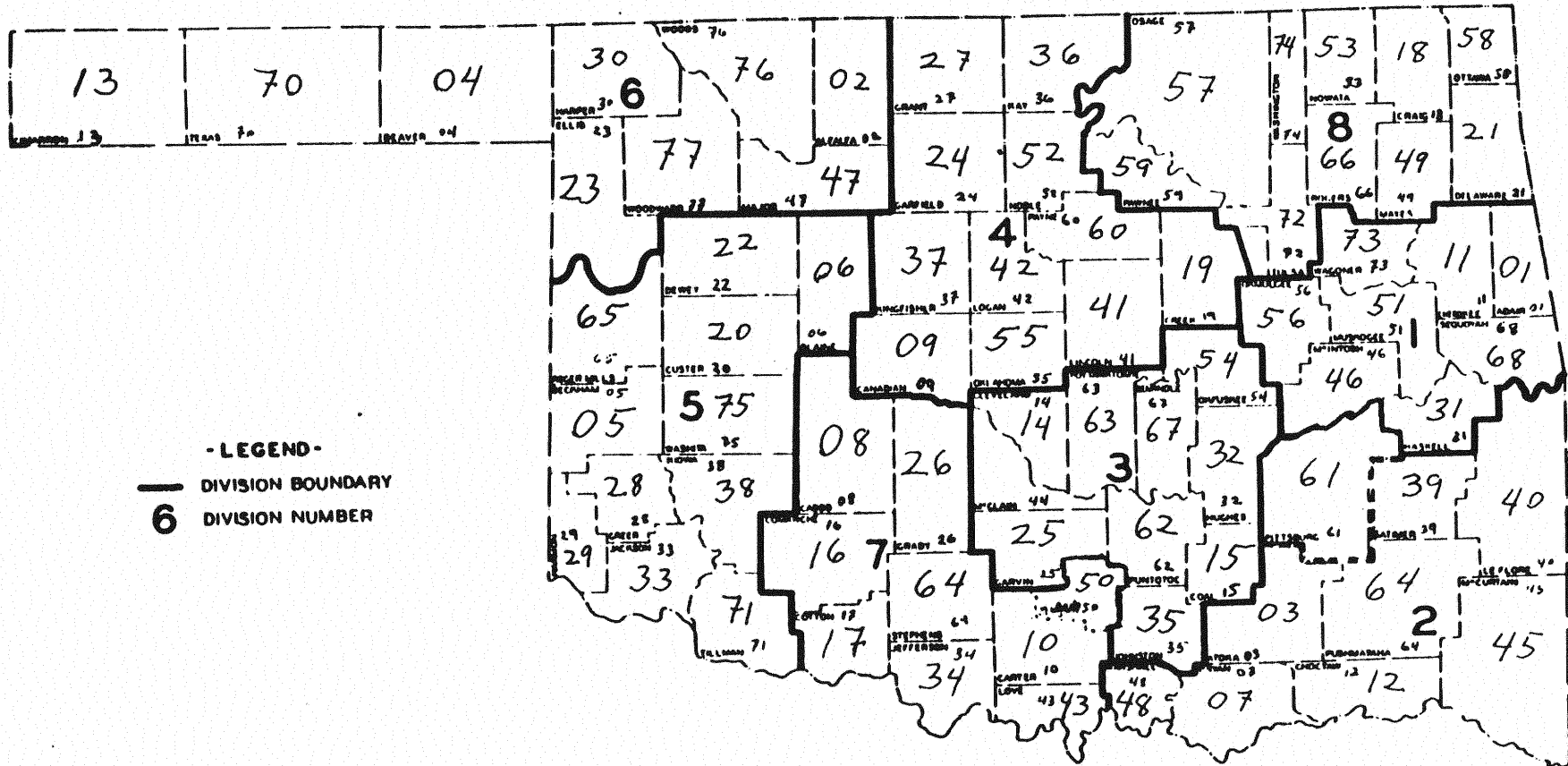
PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
5512	OKLAHOMA	OK	GODDARD CONCRETE SEC24,T13N,R2W OKLAHOMA CO.
7220	TULSA	OK	GRACE SAND CO. SEC19,T18N,R13E,TULSA CO., TULSA, OK
7304	WAGONER	OK	HASKELL SAND CO. NW1/4,SEC32,T16N,R16E, WAGONER CO., HASKELL
7212	TULSA	OK	HOLLDAY S&G CO. SEC13,T17N,R13E,TULSA CO. BIXBY
0704	BRYAN	OK	HOPE SAND CO.,INC,SEC10,T9S,R10E, BRYAN C., YUBA, OKLA.
6202	PONTOTOC	OK	J & W CONST. CO. E1/2SEC9,T3N,R4E PONTOTOC CO.
6001	PAYNE	OK	J. L. IRWIN S & G CO. SEC7,T17N,R3E PAYNE CO. PERKINS, OK
1207	CHOCTAW	OK	J.J. & A. @ HUGO.S1/2,SW1/4,SEC.24,T5S,R17E(NEAR MESSER)
0402	BEAVER	OK	J&R SAND CO, INC. SEC.15,T3S,R21E,BEAVER COUNTY, OKLA.
8001	SEWARD.	KS	J&R SAND CO, INC. SEC.36,T32S,R33W,SEWARD CO. KS.
2501	GARVIN	OK	JACOBSON SEC-15,T3N,R2E GARVIN COUNTY
6801	SEQUOYAH	OK	JEFFREY SAND & GRAVEL, SEC19.T12N,R21E,SEQUOYAH COUNTY GORE.
7903	SEBASTIAN.	AR	JEFFREY SAND CO. SEC12,T8N,R32W,SEBASTIAN CO., FT.SHITH, ARK
7701	WOODWARD	OK	KLINE SAND NE1/4,SEC21,T23N,R20W WOODWARD CO., WOODWARD, OK
7802	TEXAS ST.	TX	LATTIMORE MATERIALS, BELLS,TEXAS
3501	JOHNSTON	OK	LEE'S SAND & GRAVEL N1/2,SEC9,T4S,R4E JOHNSTON CO.
3701	KINGFISHER	OK	LIGHTLE SAND CO., HENNESSY W1/2,SEC2,T18N,R7W
6302	POTTAWATOMIE	OK	MARKWELL SAND & GRAVEL SEC4,T10N,R3E POTT. CO. SHAWNEE, OK
4305	LOVE	OK	MCGEHEE'S SAND AND GRAVEL SW1/4,SEC2,T8S,R1E LOVE CO. OKLA.
7208	TULSA	OK	MCMICHEAL SAND W1/2,SEC29,T18N,R13E TULSA CO., JENKS, OK
5701	OSAGE	OK	MID-CONTINENT CONCRETE,SEC.23,T25N,R2E,OSAGE CO.
8008	SEDGWICK	KS	MILES SAND, SEC19,T26S,R1E,SEDGWICK CO. KANSAS, WICHITA
7207	TULSA	OK	MOHAWK SAND CO. SW1/4,SEC14,T19N,R11E TULSA CO., TULSA, OK
7215	TULSA	OK	MOHAWK SAND CO.,SEC12,T19N,R10E,TULSA CO. SAND SPRINGS
5502	OKLAHOMA	OK	MURPHY PERKINS OKLA.,CITY,OKLA.
0904	CANADIAN	OK	MURPHY PERKINS SEC.4,T12N,R5W,CANADIAN CO.
7303	WAGONER	OK	MUSKOGEE SAND CO. N1/2,SEC.3,T15N,R18E,WAGONER CO. MUSKOGEE
7302	WAGONER	OK	MUSKOGEE SAND CO. S1/2,SEC34,T16N,R18E WAGONER CO., MUSKOGEE
5104	MUSKOGEE	OK	MUSKOGEE SAND, MUSKOGEE (SEE 7302,7303)
5511	OKLAHOMA	OK	NOVA SAND CO. SEC10,T12N,R2W OKLAHOMA COUNTY
5501	OKLAHOMA	OK	NOVA SAND CO. OKLAHOMA CITY SEC24,T13N,R2W
0702	BRYAN	OK	OKLAHOMA SAND, INC. SEC11,T9S,R10E,BRYAN CO.
8006	COWLEY	KS	OXFORD SAND & GRAVEL,SEC.7,T32S,R3E,COWLEY CO.KANSAS, OXFORD
7810	POTTER.	TX	PANHANDLE GRAVEL WEST, INC. AMARILLO, TEXAS
8004	SEWARD.	KS	PIONEER AGGREGATE, INC.SEC.35,T32N,R33W,SEWARD CO KAN.
5105	MUSKOGEE	OK	PRYOR SAND @ WHITEFIELD OKLA. SEC7,T9N,R20E
3303	JACKSON	OK	RED RIVER SAND ELMER OKLA.,SEC.24,T1S,R21W,JACKSON CO.
5904	PAWNEE	OK	RENFRO SAND CO. W1/2,SEC1,T23N,R5E PAWNEE CO. RALSTON, OK
8009	SEDGWICK.	KS	RITCHIE SAND CO. SE1/4SEC35,T26S,R1W SEDGWICK KANSAS
6803	SEQUOYAH	OK	S&S SAND N1/2,SEC9,T10N,R24E SEQUOYAH CO.
7221	TULSA	OK	SAHARA SAND CO., SEC.7,T19N,R11E, TULSA CO, TULSA, OK
6703	SEMINOLE	OK	SAND DREDGING CO.SEC15,T11N,R8E,SEMINOLE CO. CROWHELL
7209	TULSA	OK	SANDSPRING SAND,SEC.15,SE1/4,SE1/4,SE1/4,T19N,R11E,TULSA CO.
0301	ATOKA	OK	SANDY CREEK SAND & GRAVEL W1/2SEC7,T35,R10E ATOKA CO
5510	OKLAHOMA	OK	SCHWARTZ READY MIX OF OKC SEC.35,T13N,R2W OKLAHOMA CO.
5509	OKLAHOMA	OK	SHARP SAND CO. SEC17,T13N,R1E,OKLA CO. EDMOND
6802	SEQUOYAH	OK	SMITH SAND & GRAVEL, SEC27 & 28,T10N,R26E, MULDROW
3602	KAY	OK	SOBER SAND CO. (SOUTH) NW1/4,SEC35,T26N,R2E
3601	KAY	OK	SOBER SAND CO., PONCA CITY SW1/4,SW1/4,SEC25,T26N,R2E
5503	OKLAHOMA	OK	SOONER ROAD SAND MINE SEC28,T12N,R2W, OKLA CO. OKLA. CITY
1401	CLEVELAND	OK	SOONER ROCK & SAND NORMAN,OKLA. (MORTAR SAND ONLY)
7102	TILLMAN	OK	SOUTHWEST, S & G, S1/2,SEC4,T1N,R18W TILLMAN CO., SNYDER
7101	TILLMAN	OK	SOUTHWESTERN SAND SEC3,T1N,R18W,TILLMAN CO.,SNYDER
4001	LE FLORE	OK	SPIRO SAND CO. SPIRO SEC11,T9N,R25E
1602	COMANCHE	OK	SWIN FORD, 666 BISHOP ROAD, LAWTON (MORTAR SAND)

*****FINE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY SUPPLIER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
8007	HAMILTON	KS	TARBET, INC. SEC18,T24S,R40W,HAMILTON CO. KANSAS SYRACUSE
7809	OLDHAM.	TX	TASCOSA SAND & GRAVEL,INC. WILDORADO,TEX.
7815	POTTER.	TX	TEXAS SAND & GRAVEL. KRITSER PIT,POTTER CO. TEXAS
7807	OLDHAM.	TX	TEXAS SAND & GRAVEL CO.INC., VEGA, TEXAS
0705	BRYAN	OK	TEXHOMA SAND & G. SE1/4,SEC36,T7S,R7E BRYAN COUNTY OKLA.
8005	HARVEY.	KS	THACH SAND, INC.,SEC.27,T23S,R3W,HARVEY CO.KANSAS, BURRTON
3603	KAY	OK	THROOP CONST. SEC23,T25N,R2E
7206	TULSA	OK	TULSA SAND CO. SEC.3,T19N,R12E,TULSA CO.
3201	HUGHES	OK	TURPIN BROS. SEC34,T4N,R10E,HUGHES CO. CALVIN
3403	JEFFERSON	OK	TXI RED RIVER S&G.WAURIKA,OK. SEC.13 & 24.T5S,R9W,JEFFERSON CO.
7814	HUTCHINSON.	TX	VOLCANIC STONE BORGER, TEXAS
3001	HARPER	OK	W.F. HUDSON SAND PIT.E 1/2 SEC.1,T27N,R23W @ (BUFFALO,OK)
7228	TULSA	OK	WATKINS SAND W1/2,SEC29,T18N,R13E, TULSA CO,
2201	DEWEY	OK	WESTERN OK. SAND & GRVL WOODWARD NE1/4,SE1/4,SEC4,T16N,R19W
7803	OLDHAM.	TX	WESTERN S & G, TASCOSA,TEXAS
4306	LOVE	OK	WILDCAT SAND & GRAVEL THACKERVILLE SEC14,T8N,R1E
5007	MURRAY	OK	WINTERS SAND CO. SE1/4,SEC30,T1N,R3E MURRAY CO.
7702	WOODWARD	OK	WOODWARD S & G. NE1/4,SEC.26,T23N,R20W.WOODWARD,CO.
5508	OKLAHOMA	OK	WULLICH & WULLICH (W&W) SEC25,T12N,R1E.OK CO.

OKLAHOMA HIGHWAY MAINTENANCE DIVISIONS



- LEGEND -
 — DIVISION BOUNDARY
6 DIVISION NUMBER

ALMA ROCK PRODUCERS @ ALMA(SE1/4,NW1/4,SEC19,T10N,R30W)

TYPE: SANDSTONE

COUNTY: CRAWFORD

STATE: AR PIT NO.: 7906

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	38.1	07/14/94	35.1	35.1	4
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.527	07/14/94	2.528	2.528	4
ABSORPTION (%)	AASHTO T-85	2.532	07/14/94	2.414	2.414	4
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	93.0	07/14/94	94.7	94.7	3
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	68.9	07/14/94	73.1	73.1	3
INSOLUBLE RESIDUE (%)	OHD L-25	96.2	12/03/92	96.2	96.2	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	63	07/14/94	67	67	3

AMIS OTAC @ STRINGTOWN (E 1/2, SEC.9,T1S,R12E)

TYPE: CHERTY LIMESTONE

COUNTY: ATOKA

STATE: OK PIT NO.: 0301

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	20.4	04/21/92	18.1	18.1	3
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.613	06/30/92	2.590	2.590	6
ABSORPTION (%)	AASHTO T-85	0.473	06/30/92	0.709	0.709	6
UNIT WEIGHT (PCF)	AASHTO T-85	163.0	06/30/92	163.0	163.0	2
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	15.0	06/30/92	16.1	16.1	4
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	27.9	04/21/92	45.6	45.6	2
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	76	03/09/90	76	76	2

ANCHOR STONE @ DRUMRIGHT (SEC29,T10N,R8E)

TYPE: DOLOMITIC LIMESTONE

COUNTY: CREEK

STATE: OK PIT NO.: 1903

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.3	08/30/83	22.7	22.7	4
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.650	08/30/83	2.790	2.790	4
ABSORPTION (%)	AASHTO T-85	1.340	08/30/83	0.830	0.830	4
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	80	07/27/83	80	80	1

ANCHOR STONE QUARRY @ JOPLIN MO.SEC.34,T28N,R32W.JASPER CO.

TYPE:

COUNTY: JASPER

STATE: MO PIT NO.: 8301

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	33.9	01/22/96	33.9	33.9	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.595	01/22/96	2.595	2.595	1
ABSORPTION (%)	AASHTO T-85	0.443	01/22/96	0.443	0.443	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	94.7	01/22/96	94.7	94.7	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	0.8	01/22/96	0.8	0.8	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	68	01/22/96	68	68	1

ANCHOR STONE("A" LEDGE) @ OWASSO(SW1/4,SEC.34,T21N,R14E)

TYPE: LIMESTONE

COUNTY: ROGERS

STATE: OK PIT NO.: 6604

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	27.0	12/05/94	32.0	108
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.700	01/31/95	2.591	112
ABSORPTION (%)	AASHTO	T-85	0.342	01/31/95	1.948	112
UNIT WEIGHT (PCF)	AASHTO	T-85	168.5	01/31/95	160.3	6
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	96.9	09/09/93	95.5	2
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	1.7	01/31/95	2.1	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	43.4	09/09/93	41.1	5
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	67	09/09/93	63	5

ANCHOR STONE(D LEDGE) @ OWASSO (SW1/4,SEC,34,T21N,R14E)

TYPE: LIMESTONE

COUNTY: ROGERS

STATE: OK PIT NO.: 6603

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	32.2	06/18/87	32.2	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.611	12/28/95	2.538	7
ABSORPTION (%)	AASHTO	T-85	1.176	12/28/95	2.128	7
UNIT WEIGHT (PCF)	AASHTO	T-85	162.9	12/28/95	157.7	6
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	.	.	.	.

ANCHOR STONE(46TH ST.) @ TULSA(SE1/4,SEC.8,T20N,R14E)

TYPE: LIMESTONE

COUNTY: TULSA

STATE: OK PIT NO.: 7201

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	33.3	04/04/92	31.8	10
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.622	11/28/92	2.592	12
ABSORPTION (%)	AASHTO	T-85	0.754	11/28/92	1.895	12
UNIT WEIGHT (PCF)	AASHTO	T-85	165.5	07/29/91	165.5	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	78	11/16/84	78	1

ANCHOR(36TH ST) @ TULSA (SEC20,T20N,R14E)

TYPE: LIMESTONE

COUNTY: TULSA

STATE: OK PIT NO.: 7206

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	33.8	04/21/92	30.8	2
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.580	04/21/92	2.619	2
ABSORPTION (%)	AASHTO	T-85	2.301	04/21/92	1.815	2
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	67	05/09/83	67	1

APAC-ARK (MCCLINTON) @ WEST FORK (1 MILE N. OF WEST FORK)

TYPE: LIMESTONE (PITKIN)

COUNTY: WASHINGTON

STATE: AR PIT NO.: 7904

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.1	10/12/94	27.1	27.0	12
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.696	10/12/94	2.663	2.668	12
ABSORPTION (%)	AASHTO T-85	0.546	10/12/94	0.865	0.812	12
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	100.9	07/14/94	101.2	101.2	3
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	86.7	07/14/94	83.0	83.0	3
INSOLUBLE RESIDUE (%)	OHD L-25	0.1	07/14/94	0.1	0.1	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	68	07/14/94	73	73	4

APAC-OKLA @ PRYOR (SEC26,T21N,R19E)

TYPE: LIMESTONE

COUNTY: HAYES

STATE: OK PIT NO.: 4903

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.4	12/14/88	34.0	33.9	105
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.576	01/19/90	2.648	2.638	106
ABSORPTION (%)	AASHTO T-85	1.836	01/19/90	1.092	1.267	106
UNIT WEIGHT (PCF)	AASHTO T-85	160.8	01/19/90	160.8	160.8	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	51	12/18/86	51	51	1

APAC-OKLA. @ BURBANK

TYPE: LIMESTONE

COUNTY: OSAGE

STATE: OK PIT NO.: 5702

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	24.3	04/07/76	24.3	24.3	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.596	04/07/76	2.596	2.596	1
ABSORPTION (%)	AASHTO T-85	2.400	04/07/76	2.400	2.400	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

APAC-OKLA. @ KAW CITY (SEC.30,T27N,R5E)

TYPE: LIMESTONE

COUNTY: KAY

STATE: OK PIT NO.: 3601

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	30.6	09/10/87	30.6	30.6	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.597	09/20/91	2.509	2.509	6
ABSORPTION (%)	AASHTO T-85	1.524	09/20/91	2.341	2.341	6
UNIT WEIGHT (PCF)	AASHTO T-85	162.0	09/20/91	156.6	156.6	5
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.3	01/09/91	0.3	0.3	2
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	42	05/05/83	42	42	1

APAC-OKLA(D LEDGE) @ TULSA (SEC.16,T20N,R14E)

TYPE: LIMESTONE

COUNTY: TULSA

STATE: OK PIT NO.: 7203

	TEST NUMBER	AASHTO	T	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	26.6	01/12/96	28.6	30.0	109	
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.583	10/26/95	2.618	2.619	124	
ABSORPTION (%)	AASHTO	T-85	1.532	10/26/95	1.572	1.545	123	
UNIT WEIGHT (PCF)	AASHTO	T-85	161.2	10/26/95	161.0	160.2	20	
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	96.1	11/26/92	94.1	94.1	2	
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	2.9	06/24/94	19.8	19.8	5	
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	29.2	11/26/92	33.1	33.1	6	
INSOLUBLE RESIDUE (%)	OHD	L-25	3.2	06/20/91	3.2	3.2	1	
DURABILITY INDEX(CALIF.)	AASHTO	T-210	59	11/26/92	65	65	7	

APPIAN CORP. (CHANNING PLANT) 8 MILES SOUTH ON US-385

TYPE: CRUSHED GRAVEL

COUNTY: OLDHAM

STATE: TX PIT NO.: 7811

	TEST NUMBER	AASHTO	T	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	25.4	03/16/89	25.4	25.4	1	
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.651	03/16/89	2.651	2.651	1	
ABSORPTION (%)	AASHTO	T-85	0.520	03/16/89	0.520	0.520	1	
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	88.0	03/16/91	88.0	88.0	2	
INSOLUBLE RESIDUE (%)	OHD	L-25	96.8	03/16/89	96.8	96.8	2	
DURABILITY INDEX(CALIF.)	AASHTO	T-210	93	03/16/89	93	93	2	

APPIAN CORP. @ FRITCH (ON SH-136 SW OF FRITCH)

TYPE: CRUSHED GRAVEL

COUNTY: POTTER

STATE: TX PIT NO.: 7812

	TEST NUMBER	AASHTO	T	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	27.7	03/16/89	27.7	27.7	2	
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.643	03/16/89	2.643	2.643	2	
ABSORPTION (%)	AASHTO	T-85	0.650	03/16/89	0.650	0.650	2	
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	69.4	03/16/89	69.2	69.2	2	
INSOLUBLE RESIDUE (%)	OHD	L-25	97.6	10/19/88	97.3	97.3	2	
DURABILITY INDEX(CALIF.)	AASHTO	T-210	87	10/14/88	87	87	1	

ARKHOLA @ JENNYLIND (1/2 MILE E. OF JENNYLIND)

TYPE: SANDSTONE

COUNTY: SEBASTIAN

STATE: AR PIT NO.: 7902

	TEST NUMBER	AASHTO	T	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
				RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	25.6	10/18/95	23.9	25.4	58	
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.577	10/18/95	2.570	2.575	60	
ABSORPTION (%)	AASHTO	T-85	1.467	10/18/95	1.075	1.258	60	
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	95.8	09/28/95	94.8	94.8	3	
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	75.5	09/28/95	84.0	84.0	4	
INSOLUBLE RESIDUE (%)	OHD	L-25	97.6	07/14/94	97.6	97.6	1	
DURABILITY INDEX(CALIF.)	AASHTO	T-210	80	09/28/95	78	78	5	

ARKHOLA @ VAN BUREN

TYPE: SANDSTONE

COUNTY: CRAWFORD

STATE: AR PIT NO.: 7901

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.0	05/31/77	26.0	26.0	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.529	10/11/91	2.545	2.545	2
ABSORPTION (%)	AASHTO T-85	1.001	10/11/91	1.300	1.300	2
UNIT WEIGHT (PCF)	AASHTO T-85	157.8	10/11/91	157.8	157.8	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.1	10/11/91	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

ARKHOLA S & G @ FT. GIBSON

TYPE: LIMESTONE

COUNTY: MUSKOGEE

STATE: OK PIT NO.: 5101

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	25.7	03/04/83	25.7	25.7	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.659	03/04/83	2.659	2.659	1
ABSORPTION (%)	AASHTO T-85	0.980	03/04/83	0.980	0.980	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	49	09/10/82	49	49	1

ARKHOLA S & G(PRESTON) @ VAN BUREN (JCT I-40 & SH-60)

TYPE: SANDSTONE

COUNTY: CRAWFORD

STATE: AR PIT NO.: 7903

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	32.7	11/15/95	28.4	30.7	30
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.537	11/15/95	2.546	2.551	32
ABSORPTION (%)	AASHTO T-85	1.999	11/15/95	1.790	1.732	32
UNIT WEIGHT (PCF)	AASHTO T-85	157.8	10/11/91	158.5	158.5	2
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	93.4	11/15/95	93.2	93.2	5
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.1	10/11/91	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	75.2	11/15/95	77.4	77.4	4
INSOLUBLE RESIDUE (%)	OHD L-25	96.9	07/29/94	96.9	96.9	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	47	11/15/95	60	60	5

ARKHOLA S & G (ROBERTS QUARRY) @ ZEB (N1/2,SEC.11,T15N,R21E)

TYPE: LIMESTONE

COUNTY: CHEROKEE

STATE: OK PIT NO.: 1102

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.4	12/15/95	27.3	28.3	167
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.677	12/15/95	2.690	2.675	164
ABSORPTION (%)	AASHTO T-85	0.665	12/15/95	0.774	0.713	164
UNIT WEIGHT (PCF)	AASHTO T-85	168.2	04/13/95	166.9	166.9	8
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	96.8	04/20/95	98.7	98.7	4
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.3	02/22/95	2.2	2.2	3
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	82.3	04/20/95	79.3	79.3	5
INSOLUBLE RESIDUE (%)	OHD L-25	2.6	04/23/93	2.6	2.6	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	66	08/29/95	64	67	17

B&B @ BROKEN BOW (SEC.17,T6S,R26E)

TYPE: SILICEOUS GRAVEL

COUNTY: MCCURTAIN

STATE: OK PIT NO.: 4502

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	23.9	10/12/95	22.3	22.8	24
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.584	10/12/95	2.576	2.582	24
ABSORPTION (%)	AASHTO	T-85	1.061	10/12/95	1.283	1.194	24
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	97.2	10/12/95	97.4	97.4	4
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	89.7	10/12/95	88.3	88.3	3
INSOLUBLE RESIDUE (%)	OHD	L-25	99.2	10/12/95	99.2	99.2	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	82	10/12/95	84	84	4

BACA GRAVEL AND CONC. CO.

TYPE: CRUSHED GRAVEL

COUNTY: BACA

STATE: CO PIT NO.: 8101

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.607	10/04/77	2.607	2.607	1
ABSORPTION (%)	AASHTO	T-85	1.470	10/04/77	1.470	1.470	1
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	47	02/11/81	47	47	1

BELLCO # 4 @ PAWHUSKA (N1/2,SEC.11,N1/2,SEC.12,T25N,R8E)

TYPE: LIMESTONE

COUNTY: OSAGE

STATE: OK PIT NO.: 5703

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	32.1	02/22/80	32.1	32.1	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.572	03/29/95	2.610	2.610	4
ABSORPTION (%)	AASHTO	T-85	1.487	03/29/95	1.825	1.825	4
UNIT WEIGHT (PCF)	AASHTO	T-85	160.5	03/29/95	164.1	164.1	3
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	8.7	03/29/95	20.0	20.0	3
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	63	03/31/82	63	63	1

BELLCO #1 @ NOWATA (SEC.26,T26N,R16E)

TYPE: LIMESTONE

COUNTY: NOWATA

STATE: OK PIT NO.: 5301

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	20.4	10/13/95	22.0	22.0	2
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.635	05/27/93	2.622	2.622	3
ABSORPTION (%)	AASHTO	T-85	1.143	05/27/93	1.669	1.669	3
UNIT WEIGHT (PCF)	AASHTO	T-85	164.4	05/27/93	163.6	163.6	2
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.9	05/27/93	0.9	0.9	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	48	08/12/87	48	48	1

BELLCO #2 @ CLAREMORE (SEC.33,T23N,R16E)

TYPE: LIMESTONE

COUNTY: ROGERS

STATE: OK PIT NO.: 6602

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	24.1	12/05/94	25.0	25.0	3
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.635	12/05/94	2.675	2.675	7
ABSORPTION (%)	AASHTO	T-85	1.340	12/05/94	1.072	1.072	7
UNIT WEIGHT (PCF)	AASHTO	T-85	163.4	06/16/93	169.2	169.2	4
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	93.3	11/26/90	93.3	93.3	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	8.7	06/16/93	5.1	5.1	4
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	27.1	11/26/90	27.1	27.1	1
INSOLUBLE RESIDUE (%)	OHD	L-25	0.8	08/14/95	0.8	0.8	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	70	11/26/90	67	67	3

BELLCO #3 @ DEWEY (N1/2,SEC.25,T27N,R13E)

TYPE: LIMESTONE

COUNTY: WASHINGTON

STATE: OK PIT NO.: 7403

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	24.4	04/10/95	24.3	24.6	41
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.637	01/22/96	2.661	2.664	53
ABSORPTION (%)	AASHTO	T-85	0.596	01/22/96	1.336	1.087	53
UNIT WEIGHT (PCF)	AASHTO	T-85	164.5	01/22/96	165.1	165.1	10
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	100.4	07/05/94	100.4	100.4	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	5.1	03/30/93	34.4	34.4	4
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	68.9	07/05/94	53.9	53.9	5
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	51	07/05/94	65	65	3

BELLCO #6 @ BARTLESVILLE (SW1/4,SEC.9,T26N,R14E)

TYPE: LIMESTONE

COUNTY: WASHINGTON

STATE: OK PIT NO.: 7402

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	25.7	05/27/81	25.7	25.7	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.670	05/27/81	2.670	2.670	1
ABSORPTION (%)	AASHTO	T-85	1.650	05/27/81	1.650	1.650	1
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	71	12/12/84	71	71	1

BELLCO #7 @ DEWEY (SEC.23,T27N,R13E)

TYPE: LIMESTONE

COUNTY: WASHINGTON

STATE: OK PIT NO.: 7407

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	25.6	08/12/92	26.6	26.2	19
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.679	08/12/92	2.665	2.668	18
ABSORPTION (%)	AASHTO	T-85	0.990	08/12/92	1.070	1.044	18
UNIT WEIGHT (PCF)	AASHTO	T-85	95.7	02/28/83	95.7	95.7	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	56.0	02/28/83	56.0	56.0	1
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	71	07/16/87	71	71	1

BENTON COUNTY STONE CO. SEC.36,T21N,R33W,BENTON CO. ARKANSAS TYPE: LIMESTONE(PIERSON OF ST.JOE FM COUNTY: BENTON

STATE: AR PIT NO.: 7907

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.0	12/11/95	27.3	27.3	2
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.680	12/11/95	2.685	2.685	2
ABSORPTION (%)	AASHTO T-85	0.542	12/11/95	0.481	0.481	2
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	98.0	12/11/95	99.2	99.2	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	85.3	12/11/95	83.2	83.2	2
INSOLUBLE RESIDUE (%)	OHD L-25	6.9	12/11/95	4.8	4.8	2
DURABILITY INDEX(CALIF.)	AASHTO T-210	34	12/11/95	52	52	2

BLACKTOP @ HARTFORD (NE1/4SEC3,T21S,R13E)

TYPE: LIMESTONE

COUNTY: LYON

STATE: KS PIT NO.: 8002

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.6	12/29/87	28.2	28.2	5
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.592	10/01/88	2.597	2.597	6
ABSORPTION (%)	AASHTO T-85	2.280	10/01/88	2.119	2.119	6
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	28.1	10/05/88	28.0	28.0	2
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	54	10/01/88	54	54	1

BORGER S & G @ BORGER (SPRING CREEK PLANT)

TYPE: CRUSHED GRAVEL

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7805

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	33.8	09/18/95	27.1	28.9	34
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.646	09/18/95	2.643	2.642	34
ABSORPTION (%)	AASHTO T-85	0.320	09/18/95	0.593	0.631	34
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	74.7	03/23/88	74.7	74.7	1
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	85	06/05/85	85	85	1

BORGER S & G @ SANFORD

TYPE: CRUSHED GRAVEL

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7806

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	27.3	03/22/88	29.4	29.2	12
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.631	03/22/88	2.640	2.639	12
ABSORPTION (%)	AASHTO T-85	0.802	03/22/88	0.649	0.694	12
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	75.0	03/22/88	75.0	75.0	1
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	78	03/22/88	78	78	1

C & O MATERIALS @ FITTSTOWN (NW1/4SEC24,T1N,R6E)

TYPE: LIMESTONE

COUNTY: PONTOTOC

STATE: OK PIT NO.: 6201

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	31.3	08/18/83	31.3	31.3	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.626	08/18/83	2.626	2.626	1
ABSORPTION (%)	AASHTO T-85	2.220	08/18/83	2.220	2.220	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	23	08/09/83	23	23	1

CARDER INC. (SEC5,T23S,R48W)

TYPE: CRUSHED GRAVEL

COUNTY: BENT

STATE: CO PIT NO.: 8102

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	31.1	07/23/85	31.1	31.1	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.624	07/23/85	2.624	2.624	1
ABSORPTION (%)	AASHTO T-85	1.005	07/23/85	1.005	1.005	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	100.9	07/23/85	100.9	100.9	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	83.6	07/23/85	83.6	83.6	1
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	85	07/23/85	85	85	1

CARLILE @ TURPIN (SE1/4 SEC.15 T3N R21E)

TYPE: SILICEOUS GRAVEL

COUNTY: BEAVER

STATE: OK PIT NO.: 0401

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.2	03/31/76	28.2	28.2	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	.	.	.	.	.
ABSORPTION (%)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

CAUGHERN CONST. CO. NW 1/4,NW 1/4,SEC.36,T16N,R19E

TYPE: PITKIN LIMESTONE

COUNTY: CHEROKEE

STATE: OK PIT NO.: 1105

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	34.6	12/09/95	34.6	34.6	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.300	09/29/95	2.480	2.480	2
ABSORPTION (%)	AASHTO T-85	3.194	09/29/95	1.873	1.873	2
UNIT WEIGHT (PCF)	AASHTO T-85	143.5	09/29/95	154.8	154.8	2
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	1.7	08/22/95	1.7	1.7	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

CHANDLER MATLS.CO.,TULSA LITE WATE PLANT,2100N145ETULSA74116 TYPE: #3 LIGHT WEIGHT AGGR.CHIP SEAL COUNTY: TULSA

STATE: O. PIT NO.: 7208

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	27.9	06/17/94	24.4	24.4	2
SPECIFIC GRAVITY (SSD)	AASHTO T-85	.	.	.	.	.
ABSORPTION (%)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	52.9	06/17/94	50.6	50.6	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	82	06/17/94	84	84	2

CHOCTAW MATERIALS @ MESSER

TYPE: SILICEOUS GRAVEL

COUNTY: CHOCTAW

STATE: OK PIT NO.: 1201

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	20.7	01/22/81	20.7	20.7	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.540	01/22/81	2.540	2.540	1
ABSORPTION (%)	AASHTO T-85	1.430	01/22/81	1.430	1.430	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	93	01/07/82	93	93	1

CLAUDE EUBANKS (RIP-RAP)NE1/4,NE1/4,NE1/4.SEC.16,T15N,R24E

TYPE: LIMESTONE

COUNTY: ADAIR

STATE: OK PIT NO.: 0101

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.585	08/14/95	2.609	2.609	3
ABSORPTION (%)	AASHTO T-85	1.495	08/14/95	1.116	1.116	3
UNIT WEIGHT (PCF)	AASHTO T-85	161.3	08/14/95	162.8	162.8	3
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.4	03/02/95	0.4	0.4	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

COOK STONE CO. @ FITTSTOWN (SEC10,T11N,R6E)

TYPE: LIMESTONE

COUNTY: PONTOTOC

STATE: OK PIT NO.: 6202

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	18.4	03/10/87	18.4	18.4	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.780	03/10/87	2.780	2.780	1
ABSORPTION (%)	AASHTO T-85	0.830	03/10/87	0.830	0.830	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	63.7	03/10/87	63.7	63.7	1
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	80	09/23/86	80	80	1

DALE BEBOUT QUARRY @ PURCELL (SEC11,T1S,R1E)

TYPE: LIMESTONE

COUNTY: MURRAY

STATE: OK PIT NO.: 5003

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.4	01/20/81	28.4	28.4	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.639	01/20/81	2.639	2.639	1
ABSORPTION (%)	AASHTO T-85	1.230	01/20/81	1.230	1.230	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

DOLESE CO. @ ARDMORE (SEC.27,T5S,R1E)

TYPE: LIMESTONE

COUNTY: CARTER

STATE: OK PIT NO.: 1001

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	25.2	06/02/95	24.9	25.1	42
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.664	12/18/95	2.670	2.665	53
ABSORPTION (%)	AASHTO T-85	0.661	12/18/95	0.778	0.846	52
UNIT WEIGHT (PCF)	AASHTO T-85	166.2	12/18/95	166.3	166.3	11
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	97.4	05/18/95	98.1	98.1	5
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.4	05/03/95	24.3	24.3	4
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	23.6	05/18/95	37.7	35.4	12
INSOLUBLE RESIDUE (%)	OHD L-25	7.3	06/29/92	7.3	7.3	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	76	06/02/95	76	76	13

DOLESE CO. @ BIG CANYON (SEC.30,T2S,R3E)

TYPE: LIMESTONE

COUNTY: MURRAY

STATE: OK PIT NO.: 5001

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	21.3	04/27/87	23.0	22.7	16
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.707	04/27/87	2.698	2.706	17
ABSORPTION (%)	AASHTO T-85	0.630	04/27/87	0.782	0.734	17
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	74.2	04/27/87	74.2	74.2	1
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	73	12/19/86	73	73	1

DOLESE CO. @ COLEMAN (SEC.,33,T3S,R9E)

TYPE: DOLOMITIC LIMESTONE

COUNTY: ATOKA

STATE: OK PIT NO.: 0302

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	23.5	08/09/95	21.0	22.1	107
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.798	08/09/95	2.798	2.777	116
ABSORPTION (%)	AASHTO T-85	0.468	08/09/95	0.453	0.484	116
UNIT WEIGHT (PCF)	AASHTO T-85	174.4	03/13/95	170.8	171.2	11
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	100.2	06/26/95	97.1	97.1	6
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.1	08/27/92	0.1	0.1	2
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	88.7	06/26/95	87.5	87.5	6
INSOLUBLE RESIDUE (%)	OHD L-25	9.9	08/09/95	9.9	9.9	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	78	06/26/95	80	80	4

DOLESE CO. @ COOPERTON (SEC.32,T6N,R15W)

TYPE: LIMESTONE

COUNTY: KIOWA

STATE: OK PIT NO.: 3801

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	T-96	23.8	12/13/95	25.7	25.1	516
SPECIFIC GRAVITY (SSD)	T-85	2.667	01/22/96	2.719	2.714	548
ABSORPTION (%)	T-85	0.517	01/22/96	0.458	0.502	548
UNIT WEIGHT (PCF)	T-85	166.4	01/22/96	168.4	167.9	33
UNIT WEIGHT (PCF)-RODDED	T-19	96.6	07/18/95	97.4	97.4	5
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	1.3	12/09/92	3.8	3.8	4
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	80.6	07/18/95	79.2	79.2	6
INSOLUBLE RESIDUE (%)	OHD L-25	0.6	10/20/95	0.6	0.6	2
DURABILITY INDEX(CALIF.)	AASHTO T-210	78	10/20/95	78	78	9

DOLESE CO. @ CYRIL (S1/2,SEC.36,T6N,R10W)

TYPE: DOLOMITIC SANDSTONE

COUNTY: CADDO

STATE: OK PIT NO.: 0801

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	T-96	23.8	11/27/95	29.7	28.7	55
SPECIFIC GRAVITY (SSD)	T-85	2.688	11/27/95	2.655	2.658	57
ABSORPTION (%)	T-85	0.715	11/27/95	0.912	0.921	57
UNIT WEIGHT (PCF)	T-85	166.6	10/29/92	165.8	165.8	3
UNIT WEIGHT (PCF)-RODDED	T-19	97.2	07/18/95	98.5	98.5	4
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	1.0	10/29/92	1.0	1.0	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	79.3	07/18/95	86.8	86.8	4
INSOLUBLE RESIDUE (%)	OHD L-25	52.6	04/21/93	52.6	52.6	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	82	07/18/95	82	82	5

DOLESE CO. @ DAVIS (W1/2,SEC.9,T1S,R1E)

TYPE: LIMESTONE

COUNTY: MURRAY

STATE: OK PIT NO.: 5002

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	T-96	33.5	01/29/96	23.5	26.4	694
SPECIFIC GRAVITY (SSD)	T-85	2.667	01/29/96	2.667	2.673	590
ABSORPTION (%)	T-85	1.089	01/29/96	1.011	0.731	590
UNIT WEIGHT (PCF)	T-85	164.9	12/28/95	167.5	166.6	50
UNIT WEIGHT (PCF)-RODDED	T-19	97.4	10/12/95	97.6	97.6	3
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	7.2	07/20/93	10.4	10.4	7
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	74.1	10/12/95	69.3	69.3	5
INSOLUBLE RESIDUE (%)	OHD L-25	1.8	08/09/95	1.8	1.8	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	74	10/12/95	70	70	7

DOLESE CO. @ HARTSHORNE (SEC,17,T4N,R17E)

TYPE: LIMESTONE

COUNTY: PITTSBURG

STATE: OK PIT NO.: 6101

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	T-96	20.0	01/04/96	20.4	21.4	163
SPECIFIC GRAVITY (SSD)	T-85	2.642	01/04/96	2.654	2.659	163
ABSORPTION (%)	T-85	0.938	01/04/96	0.945	0.822	163
UNIT WEIGHT (PCF)	T-85	166.8	09/28/95	165.5	165.5	5
UNIT WEIGHT (PCF)-RODDED	T-19	93.8	01/13/95	95.1	95.1	3
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.4	08/31/93	2.9	2.9	2
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	79.0	01/13/95	84.0	84.0	6
INSOLUBLE RESIDUE (%)	OHD L-25	18.2	08/07/95	18.2	18.2	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	69	01/13/95	67	68	18

DOLESE CO. @ KONAWA (SEC,24,T6N,R6E)

TYPE: LIMESTONE

COUNTY: SEMINOLE

STATE: OK PIT NO.: 6703

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	30.2	01/09/96	23.5	25.8	333
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.680	01/09/96	2.693	2.675	353
ABSORPTION (%)	AASHTO	T-85	0.914	01/09/96	0.655	1.220	352
UNIT WEIGHT (PCF)	AASHTO	T-85	175.6	06/30/95	165.6	166.9	29
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	96.7	01/31/95	96.1	96.1	4
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.3	10/18/94	2.9	2.9	3
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	70.4	01/31/95	74.7	74.7	5
INSOLUBLE RESIDUE (%)	OHD	L-25	0.1	12/23/92	0.1	0.1	2
DURABILITY INDEX(CALIF.)	AASHTO	T-210	73	01/31/95	75	75	8

DOLESE CO. @ RICHARD SPUR (SEC.31,T4N,R11W)

TYPE: LIMESTONE

COUNTY: COMANCHE

STATE: OK PIT NO.: 1601

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	26.9	01/31/96	23.2	25.1	776
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.682	01/31/96	2.675	2.683	816
ABSORPTION (%)	AASHTO	T-85	0.542	01/31/96	0.960	0.581	816
UNIT WEIGHT (PCF)	AASHTO	T-85	168.4	12/18/95	168.0	167.7	36
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	95.3	07/18/95	97.3	97.3	4
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	4.5	02/02/93	5.8	5.8	4
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	78.5	07/18/95	75.9	75.9	6
INSOLUBLE RESIDUE (%)	OHD	L-25	3.0	12/21/92	3.0	3.0	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	73	07/18/95	73	73	7

DOLESE QUARRY @ GRANITE (SEC. 21 & 22,T6N,R21W)

TYPE: GRANITE

COUNTY: GREER

STATE: OK PIT NO.: 2801

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	25.3	06/04/93	23.4	23.4	3
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.505	06/04/93	2.596	2.596	5
ABSORPTION (%)	AASHTO	T-85	0.989	06/04/93	0.520	0.520	5
UNIT WEIGHT (PCF)	AASHTO	T-85	163.3	06/03/92	163.9	163.9	4
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	89.5	06/03/92	89.5	89.5	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	06/03/92	0.3	0.3	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	76.9	06/03/92	76.9	76.9	1
INSOLUBLE RESIDUE (%)	OHD	L-25	99.1	06/03/92	97.8	97.8	3
DURABILITY INDEX(CALIF.)	AASHTO	T-210	76	06/03/92	85	85	2

E.D. BAKER CORP. @ BORGER (ON FM1559 NW OF CBN. BLK. PLANTS) TYPE: CRUSHED GRAVEL

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7808

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	27.9	03/03/92	27.9	27.9	2
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.646	03/03/92	2.645	2.645	2
ABSORPTION (%)	AASHTO	T-85	0.544	03/03/92	0.537	0.537	2
UNIT WEIGHT (PCF)	AASHTO	T-85	102.1	06/18/85	102.1	102.1	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	90.5	06/18/85	90.5	90.5	1
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	82	06/12/86	82	82	1

FINES RECOVERY SYSTEMS @ ROCK ISLAND (SEC9&10,T8N,R27E)

TYPE: SANDSTONE

COUNTY: LE FLORE

STATE: OK PIT NO.: 9404

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.525	04/20/92	2.525	2.525	1
ABSORPTION (%)	AASHTO T-85	1.529	04/20/92	1.529	1.529	1
UNIT WEIGHT (PCF)	AASHTO T-85	157.6	04/20/92	157.6	157.6	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.0	04/20/92	0.0	0.0	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

HIGHWAY CHIPS (SE1/4SEC7,T18N,R21W)

TYPE: CRUSHED SILICEOUS GRAVEL

COUNTY: ELLIS

STATE: OK PIT NO.: 2301

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.5	03/16/89	26.5	26.5	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.630	03/16/89	2.630	2.630	1
ABSORPTION (%)	AASHTO T-85	0.500	03/16/89	0.500	0.500	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	89.0	03/16/89	92.3	92.3	3
DURABILITY INDEX(CALIF.)	AASHTO T-210	80	03/16/89	80	80	2

J.O.B. @ CLAYTON, OK.

TYPE: CRUSHED GRAVEL

COUNTY: PUSHMATAHA

STATE: OK PIT NO.: 6401

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	21.1	01/21/89	21.1	21.1	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	.	.	.	.	.
ABSORPTION (%)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	98.7	01/21/89	98.7	98.7	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	67	01/21/89	67	67	1

JACK PARKS (MILLSAP) QUARRY (SEC19,T22N,R10E)

TYPE: DOLOMITE

COUNTY: OSAGE

STATE: OK PIT NO.: 9571

TEST NUMBER	AASHTO	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.788	12/31/91	2.788	2.788	1
ABSORPTION (%)	AASHTO T-85	0.508	12/31/91	0.508	0.508	1
UNIT WEIGHT (PCF)	AASHTO T-85	173.9	12/31/91	173.9	173.9	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.1	12/31/91	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

JAFOR QUARRY @ TAHLEQUAH

TYPE: LIMESTONE

COUNTY: CHEROKEE

STATE: OK PIT NO.: 1101

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.637	12/03/75	2.637	2.637	1
ABSORPTION (%)	AASHTO T-85	0.600	12/03/75	0.600	0.600	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

JOE BROWN @ GENE AUTRY (SE1/4,SEC6,T3S,R3E)

TYPE: GRAVEL

COUNTY: CARTER

STATE: OK PIT NO.: 1002

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	23.0	03/11/77	23.0	23.0	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.620	03/11/77	2.620	2.620	1
ABSORPTION (%)	AASHTO T-85	0.600	03/11/77	0.600	0.600	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

JOE HERBERT CONST. NE1/4,SEC1,T1N,R12E

TYPE: LIMESTONE

COUNTY: ATOKA

STATE: OK PIT NO.: 9034

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.704	05/10/90	2.704	2.704	1
ABSORPTION (%)	AASHTO T-85	0.112	05/10/90	0.112	0.112	1
UNIT WEIGHT (PCF)	AASHTO T-85	168.7	05/10/90	168.7	168.7	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.7	05/10/90	0.7	0.7	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

KEITH & SONS @ COFFEYVILLE

TYPE: LIMESTONE

COUNTY: MONTGOMERY

STATE: KS PIT NO.: 8001

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.8	07/20/81	26.8	26.8	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.618	07/20/81	2.618	2.618	1
ABSORPTION (%)	AASHTO T-85	1.680	07/20/81	1.680	1.680	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	57	06/29/81	57	57	1

KEMP STONE (SEC.31,T14N,R18E)

TYPE: SANDSTONE (BLUE JACKET)

COUNTY: MUSKOGEE

STATE: OK PIT NO.: 5106

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.360	05/15/95	2.360	2.360	1
ABSORPTION (%)	AASHTO T-85	3.975	05/15/95	3.975	3.975	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	147.3	05/15/95	147.3	147.3	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.3	05/15/95	0.3	0.3	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

KONAWA MATLS @ KONAWA

TYPE: LIMESTONE

COUNTY: SEMINOLE

STATE: OK PIT NO.: 6704

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	21.4	08/13/75	21.4	21.4	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.392	08/13/75	2.392	2.392	1
ABSORPTION (%)	AASHTO T-85	4.000	08/13/75	4.000	4.000	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

LATTIMORE MATLS. @ COLEMAN (SEC.28,T3S,R9E)

TYPE: DOLOMITIC LIMESTONE

COUNTY: ATOKA

STATE: OK PIT NO.: 0303

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	22.6	06/26/95	22.8	22.8	11
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.826	06/26/95	2.823	2.823	12
ABSORPTION (%)	AASHTO T-85	0.294	06/26/95	0.341	0.354	12
UNIT WEIGHT (PCF)	AASHTO T-85	177.4	06/11/90	177.4	177.4	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	99.6	06/26/95	103.5	103.5	4
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.2	06/11/90	0.2	0.2	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	88.6	06/26/95	89.1	89.1	4
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	87	06/26/95	89	89	4

LATTIMORE MATLS. @ KENIFIC (SEC.5,T5S,R9E)

TYPE: LIMESTONE

COUNTY: BRYAN

STATE: OK PIT NO.: 0702

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	32.8	01/05/81	32.8	32.8	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.526	07/30/81	2.526	2.526	1
ABSORPTION (%)	AASHTO T-85	3.150	07/30/81	3.150	3.150	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	90.4	07/30/81	90.4	90.4	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	11.7	07/30/81	11.7	11.7	1
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	59	05/29/81	59	59	1

LEEDEY ROCK & SAND CO. @ LEEDEY (SEC21,T17N,R21W)

TYPE: SILICEOUS GRAVEL

COUNTY: ROGER HILLS

STATE: OK PIT NO.: 6501

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.9	12/30/83	26.9	26.9	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.639	12/30/83	2.639	2.639	1
ABSORPTION (%)	AASHTO T-85	0.540	12/30/83	0.540	0.540	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	80.0	12/30/83	80.0	80.0	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	78	12/30/83	78	78	1

M. E. STEWART & SONS @ PAWNEE(SEC.18,T12N,R6E)

TYPE: LIMESTONE

COUNTY: PAWNEE

STATE: OK PIT NO.: 5901

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	24.8	10/04/91	24.8	24.8	5
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.666	10/04/91	2.661	2.661	4
ABSORPTION (%)	AASHTO T-85	1.037	10/04/91	1.023	1.023	4
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

MATERIALS PRODUCERS INC. @ DAVIS (SEC.1&2,T1S.R1W)

TYPE: LIMESTONE

COUNTY: MURRAY

STATE: OK PIT NO.: 5005

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	27.0	12/05/95	28.0	28.2	116
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.575	01/22/96	2.664	2.666	121
ABSORPTION (%)	AASHTO T-85	1.605	01/22/96	0.982	0.850	121
UNIT WEIGHT (PCF)	AASHTO T-85	160.7	01/22/96	165.4	165.4	7
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	99.1	04/20/95	97.5	97.5	4
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	53.5	04/02/91	53.5	53.5	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	75.3	04/20/95	53.6	53.6	8
INSOLUBLE RESIDUE (%)	OHD L-25	0.5	01/13/93	27.8	27.8	2
DURABILITY INDEX(CALIF.)	AASHTO T-210	70	04/20/95	72	72	9

MCADAM LIMESTONE QUARRY,NW1/4,SEC.7,T34S,R8E.COWLEY CO. KS.

TYPE: LIMESTONE

COUNTY: COWLEY

STATE: KS PIT NO.: 8010

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.539	12/03/93	2.539	2.539	1
ABSORPTION (%)	AASHTO T-85	1.944	12/03/93	1.944	1.944	1
UNIT WEIGHT (PCF)	AASHTO T-85	158.5	12/03/93	158.5	158.5	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	38.6	12/03/93	38.6	38.6	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

MCCONNEL CONST @ ARKHOMA

TYPE: SANDSTONE

COUNTY: LEFLORE

STATE: OK PIT NO.: 4002

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	30.2	04/21/76	30.2	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	.	.	.	.
ABSORPTION (%)	AASHTO	T-85	.	.	.	.
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	.	.	.	.

MCNABB STONE @ CATOOSA (W1/2,SEC.33,T20N,R15E)

TYPE: LIMESTONE

COUNTY: TULSA

STATE: OK PIT NO.: 7201

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	33.3	04/04/92	31.8	10
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.622	11/28/92	2.593	12
ABSORPTION (%)	AASHTO	T-85	0.754	11/28/92	1.832	12
UNIT WEIGHT (PCF)	AASHTO	T-85	165.5	07/29/91	165.5	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	78	11/16/84	78	1

MERIDIAN AGGREGATES @ APPLE(SEC.13,T5S,R18E)

TYPE: SANDSTONE

COUNTY: CHOCTAW

STATE: OK PIT NO.: 1205

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	27.8	11/01/94	24.8	56
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.528	11/01/94	2.533	57
ABSORPTION (%)	AASHTO	T-85	1.869	11/01/94	1.885	57
UNIT WEIGHT (PCF)	AASHTO	T-85	157.9	02/14/94	157.9	3
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	91.5	04/01/93	92.7	2
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	02/14/94	5.7	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	84.5	04/01/93	79.8	2
INSOLUBLE RESIDUE (%)	OHD	L-25	100.0	05/05/93	99.7	2
DURABILITY INDEX(CALIF.)	AASHTO	T-210	85	04/01/93	86	5

MERIDIAN AGGREGATES @ TROY.(SEC.1,T3S,R4E)

TYPE: DOLOMITIC LIMESTONE

COUNTY: JOHNSTON

STATE: OK PIT NO.: 3503

TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS		
	RESULT	DATE		AVERAGE	NUMBER	
LA ABRASION TEST(B)	AASHTO	T-96	22.1	11/02/95	23.6	9
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.739	11/02/95	2.746	11
ABSORPTION (%)	AASHTO	T-85	0.368	11/02/95	0.364	11
UNIT WEIGHT (PCF)	AASHTO	T-85	171.2	04/20/90	171.2	2
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	104.8	05/12/95	101.5	3
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.2	04/20/90	0.2	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	86.7	05/12/95	88.6	5
INSOLUBLE RESIDUE (%)	OHD	L-25	12.5	11/01/95	12.5	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	80	05/12/95	77	4

MERIDIAN AGGREGATES BLACK ROCK QUARRY.1 MI. E.OF HATTON,ARK. TYPE: RHYOLITE OR CHERT

COUNTY: POLK

STATE: AR PIT NO.: 7908

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	14.7	10/12/95	15.3	15.3	6
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.666	10/19/95	2.651	2.651	9
ABSORPTION (%)	AASHTO	T-85	0.186	10/19/95	0.555	0.555	9
UNIT WEIGHT (PCF)	AASHTO	T-85	166.3	10/19/95	165.7	165.7	4
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	92.5	10/12/95	92.6	92.6	3
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	10/06/94	0.1	0.1	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	93.5	10/12/95	92.7	92.7	2
INSOLUBLE RESIDUE (%)	OHD	L-25	99.6	03/03/95	99.3	99.3	2
DURABILITY INDEX(CALIF.)	AASHTO	T-210	76	10/12/95	79	79	4

MERIDIAN AGGREGATES INC. @ SNYDER (N1/2,SEC.13,T2N,R18W)

TYPE: GRANITE

COUNTY: KIOWA

STATE: OK PIT NO.: 3802

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	23.8	09/18/95	26.2	25.0	27
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.610	11/27/95	2.605	2.604	32
ABSORPTION (%)	AASHTO	T-85	0.297	11/27/95	0.606	0.631	32
UNIT WEIGHT (PCF)	AASHTO	T-85	162.8	11/27/95	163.5	163.5	9
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	98.2	08/01/95	92.6	92.6	3
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.0	07/08/92	0.0	0.0	3
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	85.4	08/01/95	85.2	85.2	6
INSOLUBLE RESIDUE (%)	OHD	L-25	99.6	03/09/90	98.1	98.1	3
DURABILITY INDEX(CALIF.)	AASHTO	T-210	85	08/01/95	87	87	7

MERIDIAN AGGREGATES-SAWYER.(SE1/4,SEC.13,T5S,R18E)

TYPE: SANDSTONE

COUNTY: CHOCTAW

STATE: OK PIT NO.: 1206

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	27.0	10/16/95	24.3	25.3	24
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.533	10/16/95	2.447	2.494	25
ABSORPTION (%)	AASHTO	T-85	1.695	10/16/95	1.998	1.861	25
UNIT WEIGHT (PCF)	AASHTO	T-85	155.4	03/11/93	155.4	155.4	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	90.6	06/06/95	91.8	91.8	3
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	03/11/93	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	87.6	06/06/95	89.3	89.3	6
INSOLUBLE RESIDUE (%)	OHD	L-25	95.0	06/04/64	97.2	97.2	4
DURABILITY INDEX(CALIF.)	AASHTO	T-210	85	06/04/64	74	74	6

MERIDIAN AGGS @ MILL CREEK (SEC.20,T2S,R5E)

TYPE: GRANITE

COUNTY: JOHNSTON

STATE: OK PIT NO.: 3502

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	25.1	05/12/95	27.3	26.3	34
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.718	05/12/95	2.663	2.683	37
ABSORPTION (%)	AASHTO	T-85	0.481	05/12/95	0.361	0.413	37
UNIT WEIGHT (PCF)	AASHTO	T-85	162.9	05/11/95	165.1	165.1	4
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	99.8	05/12/95	98.9	98.9	2
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	03/30/93	0.2	0.2	3
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	84.4	05/12/95	87.4	87.4	4
INSOLUBLE RESIDUE (%)	OHD	L-25	95.0	10/16/89	95.0	95.0	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	80	05/12/95	84	84	5

MIDWEST MINERALS COFFEYVILLE, KANSAS(SEC34,T34S,R17E)

TYPE: LIMESTONE

COUNTY: MONTGOMERY

STATE: KS PIT NO.: 9851

TEST NUMBER		LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.559	07/09/92	2.559	2.559	1
ABSORPTION (%)	AASHTO T-85	1.802	07/09/92	1.802	1.802	1
UNIT WEIGHT (PCF)	AASHTO T-85	159.7	07/09/92	159.7	159.7	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	6.6	07/09/92	6.6	6.6	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

MIDWEST MINERLS @ MIAMI (SEC.24,T28N,R23E.)

TYPE: LIMESTONE

COUNTY: OTTAWA

STATE: OK PIT NO.: 5801

TEST NUMBER		LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	36.6	09/06/94	33.2	33.2	9
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.629	09/06/94	2.634	2.634	10
ABSORPTION (%)	AASHTO T-85	1.275	09/06/94	1.198	1.198	10
UNIT WEIGHT (PCF)	AASHTO T-85	163.4	08/28/90	163.4	163.4	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	97.6	09/06/94	97.9	97.9	3
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	4.2	08/28/90	4.2	4.2	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	56.5	09/06/94	56.3	56.3	4
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	70	09/06/94	69	69	5

NELSON STONE CO. @ QUAPAW (NW1/4,SEC.5,T28N,R24E)

TYPE: LIMESTONE

COUNTY: OTTAWA

STATE: OK PIT NO.: 5802

TEST NUMBER		LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	31.8	12/01/95	30.9	31.0	19
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.656	12/01/95	2.662	2.658	21
ABSORPTION (%)	AASHTO T-85	0.418	12/01/95	0.717	0.785	21
UNIT WEIGHT (PCF)	AASHTO T-85	165.7	07/31/90	165.7	165.7	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	96.5	02/23/94	93.4	93.4	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	7.1	07/31/90	7.1	7.1	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	79.4	02/23/94	69.8	69.8	3
INSOLUBLE RESIDUE (%)	OHD L-25	0.7	09/27/95	0.7	0.7	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	70	02/23/94	70	70	4

NUCO ROCK CO. @ HOMINY (E1/2SEC4,R10E,T22N)

TYPE: DOLOMITIC LIMESTONE

COUNTY: OSAGE

STATE: OK PIT NO.: 5701

TEST NUMBER		LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS AVERAGE	ALL TESTS NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.0	04/02/81	26.0	26.0	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.832	04/02/81	2.832	2.832	1
ABSORPTION (%)	AASHTO T-85	0.840	04/02/81	0.840	0.840	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	76	04/02/81	76	76	1

OKAY MATERIALS. @ OKAY, OKLAHOMA (SEC21, T16N, R19E)

TYPE: LIMY SANDSTONE

COUNTY: WAGONER

STATE: OK PIT NO.: 7302

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	16.2	12/01/95	16.9	16.9	8
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.532	12/01/95	2.556	2.556	10
ABSORPTION (%)	AASHTO	T-85	2.768	12/01/95	2.383	2.383	10
UNIT WEIGHT (PCF)	AASHTO	T-85	165.6	04/14/94	165.6	165.6	2
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	90.9	05/12/95	88.1	88.1	4
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.4	04/14/94	8.7	8.7	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	52.9	05/12/95	55.2	55.2	4
INSOLUBLE RESIDUE (%)	OHD	L-25	60.7	08/13/92	60.7	60.7	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	54	05/12/95	59	59	4

OKLAHOMA CRUSHED STONE (NW1/4, SEC29, T17N, R8E)

TYPE: DOLOMITIC LIMESTONE

COUNTY: CREEK

STATE: OK PIT NO.: 1904

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	23.0	11/07/83	23.0	23.0	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.830	11/07/83	2.830	2.830	1
ABSORPTION (%)	AASHTO	T-85	0.710	11/07/83	0.710	0.710	1
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	80	07/27/83	80	80	1

OKLAHOMA CRUSHED STONE @ SEMINOLE (SW1/4 SEC35, T8N, R7E)

TYPE: LIMESTONE

COUNTY: SEMINOLE

STATE: OK PIT NO.: 6706

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	32.3	12/31/84	32.3	32.3	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.735	12/31/84	2.735	2.735	1
ABSORPTION (%)	AASHTO	T-85	1.034	12/31/84	1.034	1.034	1
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	86	09/04/84	86	86	1

PRYOR STONE @ PRYOR LEDGE A (NW1/4, SEC36, T21N, R19E)

TYPE: LIMESTONE(SANDY)

COUNTY: MAYES

STATE: OK PIT NO.: 4901

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	21.0	01/29/96	21.3	20.8	150
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.646	01/29/96	2.637	2.770	162
ABSORPTION (%)	AASHTO	T-85	1.115	01/29/96	1.409	1.396	12
UNIT WEIGHT (PCF)	AASHTO	T-85	163.5	06/30/95	156.3	156.9	11
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	99.4	07/29/94	96.0	96.0	4
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	6.7	05/27/93	12.3	12.3	4
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	59.2	07/29/94	60.9	60.6	12
INSOLUBLE RESIDUE (%)	OHD	L-25	24.6	05/09/90	24.6	24.6	2
DURABILITY INDEX(CALIF.)	AASHTO	T-210	51	07/29/94	65	65	10

PRYOR STONE LEDGE "C"

TYPE: LIMESTONE(SANDY)

COUNTY: MAYES

STATE: OK PIT NO.: 4902

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	21.0	09/12/95	17.3	18.2	23
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.628	09/12/95	2.650	2.649	24
ABSORPTION (%)	AASHTO	T-85	1.541	09/12/95	0.948	1.042	24
UNIT WEIGHT (PCF)	AASHTO	T-85	165.9	06/11/90	165.9	165.9	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	95.0	08/01/95	97.1	97.1	2
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	39.1	06/11/90	39.1	39.1	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	59.9	08/01/95	59.1	59.1	2
INSOLUBLE RESIDUE (%)	OHD	L-25	20.3	08/01/95	24.4	24.4	3
DURABILITY INDEX(CALIF.)	AASHTO	T-210	66	08/01/95	70	70	2

QUAPAW (BADGER) @ DRUMRIGHT (NE1/4SEC.35&NW1/4SEC.36,T18N,R7E)

TYPE: DOLOMITIC LIMESTONE

COUNTY: CREEK

STATE: OK PIT NO.: 1901

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	22.5	01/25/96	21.5	21.3	431
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.824	01/25/96	2.786	2.793	364
ABSORPTION (%)	AASHTO	T-85	0.567	01/25/96	0.962	0.812	364
UNIT WEIGHT (PCF)	AASHTO	T-85	176.4	04/06/95	171.5	171.5	3
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	106.8	05/01/95	101.4	101.4	7
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	04/06/95	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	84.5	05/01/95	82.2	82.4	11
INSOLUBLE RESIDUE (%)	OHD	L-25	0.1	01/11/93	0.1	0.1	2
DURABILITY INDEX(CALIF.)	AASHTO	T-210	73	05/01/95	70	71	13

QUAPAW CO @ PAWNEE (SE1/4,SEC.30,T22N,R6E)

TYPE: LIMESTONE

COUNTY: PAWNEE

STATE: OK PIT NO.: 5902

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	27.5	10/06/93	26.1	26.2	122
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.522	11/21/95	2.642	2.625	121
ABSORPTION (%)	AASHTO	T-85	1.007	11/21/95	1.099	1.223	121
UNIT WEIGHT (PCF)	AASHTO	T-85	157.4	11/21/95	152.4	152.4	8
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	96.0	06/23/92	96.0	96.0	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	1.4	06/23/92	1.4	1.4	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	43.9	06/23/92	41.8	41.8	3
INSOLUBLE RESIDUE (%)	OHD	L-25	0.7	06/23/92	0.7	0.7	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	74	12/06/91	64	64	3

QUAPAW QUARRY N AT PAWNEE (NORTH OF #5902)NE1/4SEC30T22NR6E

TYPE: LIMESTONE

COUNTY: PAWNEE

STATE: OK PIT NO.: 5904

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	27.9	06/21/94	26.8	26.8	5
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.366	10/11/95	2.605	2.562	15
ABSORPTION (%)	AASHTO	T-85	3.140	10/11/95	1.198	1.465	15
UNIT WEIGHT (PCF)	AASHTO	T-85	147.7	10/11/95	157.5	157.5	10
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	96.0	06/14/94	95.4	95.4	3
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.3	10/12/94	0.3	0.3	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	27.3	06/14/94	37.7	37.7	3
INSOLUBLE RESIDUE (%)	OHD	L-25	0.7	04/02/93	0.7	0.7	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	70	06/14/94	66	66	3

ROCK PRODUCERS AT SPIRO (SEC20,T9N,R26E)

TYPE: SANDSTONE

COUNTY: LEFLORE

STATE: OK PIT NO.: 4003

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	32.1	11/15/95	33.2	32.9	20
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.512	11/15/95	2.517	2.519	20
ABSORPTION (%)	AASHTO	T-85	2.641	11/15/95	2.601	2.624	20
UNIT WEIGHT (PCF)	AASHTO	T-85	157.2	05/28/91	157.2	157.2	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	90.0	11/15/95	89.6	89.6	5
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.2	05/28/91	0.2	0.2	3
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	82.2	11/15/95	79.6	79.6	4
INSOLUBLE RESIDUE (%)	OHD	L-25	96.3	06/20/88	96.3	96.3	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	67	11/15/95	71	71	6

SEMINOLE STONE @ SEMINOLE (SEC,16,T7N,R7E)

TYPE: LIMESTONE

COUNTY: SEMINOLE

STATE: OK PIT NO.: 6705

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	26.0	05/28/91	27.5	27.5	6
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.721	05/28/91	2.718	2.718	6
ABSORPTION (%)	AASHTO	T-85	0.870	05/28/91	0.903	0.903	6
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	100.0	05/28/91	100.0	100.0	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	69.4	05/28/91	64.7	64.7	2
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	76	05/28/91	67	67	3

SOONER ROCK & SAND @ DAVIS (NE1/4,SEC.15,T1S,R1E)

TYPE: LIMESTONE (MIDDLE VIOLA FORM.)

COUNTY: MURRAY

STATE: OK PIT NO.: 5007

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	22.8	11/04/93	24.5	23.8	89
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.654	11/04/93	2.641	2.645	103
ABSORPTION (%)	AASHTO	T-85	1.167	11/04/93	1.132	1.109	103
UNIT WEIGHT (PCF)	AASHTO	T-85	164.7	08/11/92	163.8	163.9	11
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	97.6	10/11/93	98.0	98.0	2
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	11.9	11/27/89	11.9	11.9	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	29.5	10/11/93	58.8	58.8	6
INSOLUBLE RESIDUE (%)	OHD	L-25	9.5	06/20/88	9.5	9.5	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	48	10/11/93	54	54	5

SOONER ROCK & SAND @ JAY, OK.(SEC22,T22N,R24E)

TYPE: LIMESTONE

COUNTY: DELAWARE

STATE: OK PIT NO.: 2101

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	30.9	07/26/90	30.9	30.9	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.703	05/10/90	2.701	2.701	2
ABSORPTION (%)	AASHTO	T-85	0.116	05/10/90	0.418	0.418	2
UNIT WEIGHT (PCF)	AASHTO	T-85	168.7	05/10/90	168.7	168.7	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	1.0	05/10/90	1.0	1.0	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	74.5	11/03/89	74.5	74.5	1
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	46	07/26/90	46	46	1

SOUTER CONST. CO INC. @ GORE (W1/2SEC21,T13N,R21E)

TYPE: LIMESTONE

COUNTY: SEQUOYAH

STATE: OK PIT NO.: 6801

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	43.0	04/01/91	43.0	43.0	1
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.664	04/01/91	2.595	2.595	2
ABSORPTION (%)	AASHTO	T-85	0.540	04/01/91	0.418	0.418	2
UNIT WEIGHT (PCF)	AASHTO	T-85	157.6	01/09/91	157.6	157.6	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	1.5	01/09/91	1.5	1.5	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	77.4	04/01/91	77.4	77.4	1
INSOLUBLE RESIDUE (%)	OHD	L-25	0.1	04/01/91	0.1	0.1	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	65	04/01/91	65	65	1

SOUTHWAY CONSTRUCTION CO., INC. (CLAYTON QUARRY)

TYPE: BASALT

COUNTY: DES MOINES CO. STATE: NM PIT NO.: 8201

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	22.3	07/11/95	21.4	21.2	14
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.722	07/11/95	2.738	2.738	16
ABSORPTION (%)	AASHTO	T-85	2.393	07/11/95	1.940	2.035	16
UNIT WEIGHT (PCF)	AASHTO	T-85	171.7	11/13/91	172.1	172.1	2
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.1	08/23/90	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	84.0	01/17/91	84.0	84.0	1
INSOLUBLE RESIDUE (%)	OHD	L-25	85.8	01/17/91	85.8	85.8	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	85	02/22/91	84	84	2

STANDARD INDUSTRIES (LEDGE A)(SEC16,T20N,R14E)

TYPE: LIMESTONE

COUNTY: TULSA STATE: OK PIT NO.: 7204

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	31.6	08/08/91	32.5	32.5	2
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.628	01/22/96	2.605	2.607	11
ABSORPTION (%)	AASHTO	T-85	1.054	01/22/96	1.468	1.431	11
UNIT WEIGHT (PCF)	AASHTO	T-85	164.0	01/22/96	162.5	162.5	9
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.3	09/20/94	4.5	4.5	2
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	26.4	08/08/91	38.7	38.7	2
INSOLUBLE RESIDUE (%)	OHD	L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO	T-210	70	08/08/91	72	72	2

STEWART STONE @ PAWNEE (SEC19,T21N,R6E)

TYPE: LIMESTONE

COUNTY: PAWNEE STATE: OK PIT NO.: 5903

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	28.4	01/25/96	25.7	25.8	87
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.660	01/25/96	2.667	2.653	87
ABSORPTION (%)	AASHTO	T-85	0.916	01/25/96	0.953	1.076	87
UNIT WEIGHT (PCF)	AASHTO	T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	97.1	04/20/95	97.7	97.7	5
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	64.9	04/20/95	57.1	57.1	6
INSOLUBLE RESIDUE (%)	OHD	L-25	0.6	10/19/92	0.6	0.6	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	66	04/20/95	68	68	7

STIGLER STONE @ ENTERPRISE (E1/2SEC24,T9N,R18E)

TYPE: SANDSTONE

COUNTY: HASKELL

STATE: OK PIT NO.: 3102

TEST NUMBER	TEST	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	34.6	06/24/94	34.6	34.6	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.430	10/17/95	2.419	2.419	8
ABSORPTION (%)	AASHTO T-85	2.979	10/17/95	2.642	2.642	8
UNIT WEIGHT (PCF)	AASHTO T-85	151.6	10/17/95	151.0	151.0	8
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.2	01/09/90	0.2	0.2	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	94.5	06/24/94	94.5	94.5	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

STRINGFELLOW AND SONS NW1/4,NW1/4,SEC23,T4N,R16E

TYPE: LIMESTONE

COUNTY: PITTSBURG

STATE: OK PIT NO.: 6102

TEST NUMBER	TEST	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	22.1	01/13/95	23.0	23.0	3
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.672	01/13/95	2.673	2.673	4
ABSORPTION (%)	AASHTO T-85	0.527	01/13/95	0.499	0.499	4
UNIT WEIGHT (PCF)	AASHTO T-85	167.2	07/15/93	167.2	167.2	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	96.4	01/13/95	94.6	94.6	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	1.3	07/15/93	1.3	1.3	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	75.7	01/13/95	78.9	78.9	2
INSOLUBLE RESIDUE (%)	OHD L-25	6.8	10/08/93	6.8	6.8	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	74	01/13/95	73	73	2

TALIHINA STONE @ ALBION (SEC6,T2N,R22E)

TYPE: SANDSTONE

COUNTY: PUSHMATAHA

STATE: OK PIT NO.: 6402

TEST NUMBER	TEST	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	34.3	10/23/92	37.1	37.1	3
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.417	10/17/95	2.427	2.427	6
ABSORPTION (%)	AASHTO T-85	2.096	10/17/95	2.907	2.907	6
UNIT WEIGHT (PCF)	AASHTO T-85	150.8	10/17/95	149.2	149.2	4
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	94.2	10/23/92	94.2	94.2	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	6.6	11/18/92	28.0	28.0	3
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	53.9	10/23/92	53.9	53.9	2
INSOLUBLE RESIDUE (%)	OHD L-25	96.8	10/23/92	96.8	96.8	2
DURABILITY INDEX(CALIF.)	AASHTO T-210	47	10/23/92	47	47	2

TASCOSA S & G @ WILDRADO

TYPE: CRUSHED GRAVEL

COUNTY: OLDHAM

STATE: TX PIT NO.: 7809

TEST NUMBER	TEST	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	32.5	07/15/86	32.5	32.5	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.608	07/15/86	2.608	2.608	1
ABSORPTION (%)	AASHTO T-85	1.716	07/15/86	1.716	1.716	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	71	12/12/86	71	71	1

TEXAS SAND & GRAVEL KRITSER PIT

TYPE: CRUSHED SILICEOUS GRAVEL

COUNTY: POTTER

STATE: TX PIT NO.: 7815

TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
				AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	26.7	05/17/93	26.7	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.661	05/17/93	2.661	1
ABSORPTION (%)	AASHTO T-85	1.040	05/17/93	1.040	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	99.6	05/17/93	99.6	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	76.1	05/17/93	76.1	1
INSOLUBLE RESIDUE (%)	OHD L-25	89.4	05/17/93	89.4	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	74	05/17/93	74	1

TEXAS S & G @ VEGA (ON US-385 11 MILES NORTH OF VEGA)

TYPE: CRUSHED GRAVEL

COUNTY: OLDHAM

STATE: TX PIT NO.: 7807

TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
				AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	28.3	10/03/94	26.9	21
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.636	10/03/94	2.638	16
ABSORPTION (%)	AASHTO T-85	0.922	10/03/94	0.960	16
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	99.6	10/03/94	99.6	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	67.4	10/03/94	68.7	2
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	78	10/03/94	81	3

TEXHOMA MATERIALS @ CADDO (NE1/2,SEC7,T5S,R12E)

TYPE: LIMESTONE

COUNTY: BRYAN

STATE: OK PIT NO.: 9070

TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
				AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.480	04/06/95	2.417	3
ABSORPTION (%)	AASHTO T-85	2.796	04/06/95	3.590	3
UNIT WEIGHT (PCF)	AASHTO T-85	154.8	04/06/95	150.8	3
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	7.9	03/11/92	7.9	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.

TIGER MATERIALS.SEC.24,T9N,R18E.

TYPE: SANDSTONE

COUNTY: HASKELL

STATE: OK PIT NO.: 3101

TEST NUMBER	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
				AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	38.5	12/07/95	34.7	12
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.467	01/13/95	2.478	13
ABSORPTION (%)	AASHTO T-85	3.267	01/13/95	3.070	13
UNIT WEIGHT (PCF)	AASHTO T-85	155.0	10/05/90	155.0	2
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	89.0	01/13/95	91.0	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.2	10/05/90	0.2	2
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	58.3	01/13/95	67.1	3
INSOLUBLE RESIDUE (%)	OHD L-25	92.9	10/23/89	92.9	2
DURABILITY INDEX(CALIF.)	AASHTO T-210	70	01/13/95	61	4

TWIN MOUNTAIN ROCK CO. 1000 KIEWIT PLAZA OMAHA NE 68131

TYPE: BASALT & BROWN VESICULAR LAVA COUNTY: UNION

STATE: NM PIT NO.: 8202

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.555	07/25/94	2.555	2.555	1
ABSORPTION (%)	AASHTO T-85	2.032	07/25/94	2.032	2.032	1
UNIT WEIGHT (PCF)	AASHTO T-85	159.4	07/25/94	159.4	159.4	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.4	07/25/94	0.4	0.4	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

TWIN MOUNTAIN ROCK CO. 1000 KIEWIT PLAZA, OMAHA, NEB. 68131

TYPE: RIP-RAP BASALT

COUNTY: COLFAX

STATE: NM PIT NO.: 8203

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.854	06/17/94	2.854	2.854	1
ABSORPTION (%)	AASHTO T-85	0.846	06/17/94	0.846	0.846	1
UNIT WEIGHT (PCF)	AASHTO T-85	177.8	06/17/94	177.8	177.8	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.1	06/17/94	0.1	0.1	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	100.0	06/17/94	100.0	100.0	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

TXI BRIDGEPORT QUARRY(3 MILES N. W. OF BRIDGEPORT)

TYPE: LIMESTONE

COUNTY: WISE COUNTY

STATE: TX PIT NO.: 7817

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	25.5	08/16/93	27.6	27.6	4
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.662	08/16/93	2.642	2.642	4
ABSORPTION (%)	AASHTO T-85	1.067	08/16/93	1.262	1.262	4
UNIT WEIGHT (PCF)	AASHTO T-85	166.1	08/16/93	166.1	166.1	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	101.9	08/16/93	101.9	101.9	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	61.4	08/16/93	51.7	51.7	2
INSOLUBLE RESIDUE (%)	OHD L-25	2.3	08/16/93	2.3	2.3	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	63	08/16/93	69	69	2

VEGA SAND & GRAVEL, FULTON PIT

TYPE: CRUSHED GRAVEL

COUNTY: OLDHAM

STATE: TX PIT NO.: 7818

	TEST NUMBER	LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
		RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	29.5	10/04/94	29.5	29.5	1
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.643	10/04/94	2.643	2.643	1
ABSORPTION (%)	AASHTO T-85	0.847	10/04/94	0.847	0.847	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	97.5	10/04/94	97.5	97.5	1
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	82.2	10/04/94	82.2	82.2	1
INSOLUBLE RESIDUE (%)	OHD L-25	83.5	10/04/94	83.5	83.5	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	76	10/04/94	76	76	1

VINITA ROCK CO. (J-6 QUARRY) @ VINITA (SEC.21,T25N,R21E)

TYPE: LIMESTONE

COUNTY: CRAIG

STATE: OK PIT NO.: 1802

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	21.4	12/01/95	27.2	26.1	29
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.552	12/01/95	2.652	2.611	36
ABSORPTION (%)	AASHTO T-85	2.074	12/01/95	1.137	1.372	36
UNIT WEIGHT (PCF)	AASHTO T-85	164.0	07/24/95	155.6	155.6	9
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	92.2	08/01/95	92.0	92.0	2
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	2.9	07/24/95	2.0	2.0	2
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	56.2	08/01/95	62.9	62.9	4
INSOLUBLE RESIDUE (%)	OHD L-25	30.8	08/01/95	26.7	26.7	2
DURABILITY INDEX(CALIF.)	AASHTO T-210	73	08/01/95	74	74	2

VINITA ROCK CO. @ VINITA (SEC16&20,T25N,R21E)

TYPE: LIMESTONE

COUNTY: CRAIG

STATE: OK PIT NO.: 1801

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	29.2	04/12/90	24.5	25.1	31
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.678	05/08/92	2.592	2.595	32
ABSORPTION (%)	AASHTO T-85	0.416	05/08/92	1.406	1.483	32
UNIT WEIGHT (PCF)	AASHTO T-85	167.1	05/08/92	167.1	167.1	1
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	4.5	05/08/92	4.5	4.5	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	76	06/13/88	76	76	1

WESTERN ROCK @ DAVIS (SEC.10,T1S,R1W)

TYPE: RHYOLITE

COUNTY: MURRAY

STATE: OK PIT NO.: 5008

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	14.1	07/05/94	15.1	16.2	24
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.665	12/28/95	2.707	2.709	35
ABSORPTION (%)	AASHTO T-85	0.566	12/28/95	1.128	0.923	35
UNIT WEIGHT (PCF)	AASHTO T-85	166.3	12/28/95	161.1	163.1	13
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	94.9	07/05/94	95.8	95.8	3
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	0.2	06/08/92	0.2	0.2	1
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	88.6	07/05/94	78.3	78.3	5
INSOLUBLE RESIDUE (%)	OHD L-25	90.7	08/24/95	90.7	90.7	1
DURABILITY INDEX(CALIF.)	AASHTO T-210	76	07/05/94	75	75	5

WESTERN S & G @ BORGER

TYPE: CRUSHED GRAVEL

COUNTY: HUTCHINSON

STATE: TX PIT NO.: 7804

TEST NUMBER	TEST	LAST TEST RESULT	LAST TEST DATE	LAST 10 TESTS AVERAGE	ALL TESTS	
					AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO T-96	.	.	.	.	.
SPECIFIC GRAVITY (SSD)	AASHTO T-85	2.649	04/05/78	2.649	2.649	1
ABSORPTION (%)	AASHTO T-85	0.300	04/05/78	0.300	0.300	1
UNIT WEIGHT (PCF)	AASHTO T-85	.	.	.	.	.
UNIT WEIGHT (PCF)-RODDED	AASHTO T-19	.	.	.	.	.
FREEZE-THAW SOUNDNESS(%)	CRD C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO T-161(A-350 CYCLES)	.	.	.	.	.
INSOLUBLE RESIDUE (%)	OHD L-25	.	.	.	.	.
DURABILITY INDEX(CALIF.)	AASHTO T-210	.	.	.	.	.

WESTERN S & G @ TASCOSA (ON US-385 1 MILE SOUTH OF TASCOSA)

TYPE: CRUSHED GRAVEL

COUNTY: OLDHAM

STATE: TX

PIT NO.: 7803

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	31.4	10/03/94	27.2	28.5	33
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.635	10/03/94	2.632	2.633	32
ABSORPTION (%)	AASHTO	T-85	1.099	10/03/94	1.002	0.944	32
UNIT WEIGHT (PCF)	AASHTO	T-85	82.0	03/28/84	82.0	82.0	1
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	98.3	10/03/94	98.3	98.3	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	.	.	.	.	.
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	70.2	10/03/94	75.1	75.1	2
INSOLUBLE RESIDUE (%)	OHD	L-25	85.3	03/28/84	85.3	85.3	1
DURABILITY INDEX(CALIF.)	AASHTO	T-210	85	10/03/94	84	84	2

YOUNGMAN CO. @ ONAPA (SEC.31,T11N,R17E)

TYPE: SANDSTONE

COUNTY: MCINTOSH

STATE: OK

PIT NO.: 4601

	TEST NUMBER		LAST TEST		LAST 10 TESTS AVERAGE	ALL TESTS	
			RESULT	DATE		AVERAGE	NUMBER
LA ABRASION TEST(B)	AASHTO	T-96	35.1	01/05/96	36.9	36.9	13
SPECIFIC GRAVITY (SSD)	AASHTO	T-85	2.454	02/22/96	2.385	2.385	6
ABSORPTION (%)	AASHTO	T-85	2.756	02/22/96	3.594	3.594	6
UNIT WEIGHT (PCF)	AASHTO	T-85	153.1	02/22/96	147.2	147.2	4
UNIT WEIGHT (PCF)-RODDED	AASHTO	T-19	89.8	02/08/93	89.8	89.8	1
FREEZE-THAW SOUNDNESS(%)	CRD	C-144(20 CYCLES)	0.6	12/16/92	0.6	0.6	1
FREEZE-THAW DURABILITY(%)	AASHTO	T-161(A-350 CYCLES)	68.9	02/08/93	68.9	68.9	1
INSOLUBLE RESIDUE (%)	OHD	L-25	94.0	02/08/93	93.0	93.0	3
DURABILITY INDEX(CALIF.)	AASHTO	T-210	40	01/05/96	42	40	12

*****COARSE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY PIT NUMBER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
0101	ADAIR	OK	CLAUDE EUBANKS (RIP-RAP)NE1/4,NE1/4,NE1/4.SEC.16,T15N,R24E
0301	ATOKA	OK	AMIS OTAC @ STRINGTOWN (E 1/2, SEC.9,T1S,R12E)
0302	ATOKA	OK	DOLESE CO. @ COLEMAN (SEC.,33,T3S,R9E)
0303	ATOKA	OK	LATTIMORE MATLS. @ COLEMAN (SEC.28,T3S,R9E)
0401	BEAVER	OK	CARLILE @ TURPIN (SE1/4 SEC.15 T3N R21E)
0702	BRYAN	OK	LATTIMORE MATLS. @ KENIFIC (SEC.5,T5S,R9E)
0801	CADDO	OK	DOLESE CO. @ CYRIL (S1/2,SEC.36,T6N,R10W)
1001	CARTER	OK	DOLESE CO. @ ARDMORE (SEC.27,T5S,R1E)
1002	CARTER	OK	JOE BROWN @ GENE AUTRY (SE1/4,SEC6,T3S,R3E)
1101	CHEROKEE	OK	JAFOR QUARRY @ TAHLEQUAH
1102	CHEROKEE	OK	ARKHOLA S & G (ROBERTS QUARRY) @ ZEB (N1/2,SEC.11,T15N,R21E)
1105	CHEROKEE	OK	CAUGHERN CONST. CO. NW 1/4,NW 1/4,SEC.36,T16N,R19E
1201	CHOCTAW	OK	CHOCTAW MATERIALS @ MESSER
1205	CHOCTAW	OK	MERIDIAN AGGREGATES @ APPLE(SEC.13,T5S,R18E)
1206	CHOCTAW	OK	MERIDIAN AGGREGATES-SAWYER.(SE1/4,SEC.13,T5S,R18E)
1501	COAL	OK	DOLESE CO. @ BROMIDE
1601	COMANCHE	OK	DOLESE CO. @ RICHARD SPUR (SEC.31,T4N,R11W)
1801	CRAIG	OK	VINITA ROCK CO. @ VINITA (SEC16&20,T25N,R21E)
1802	CRAIG	OK	VINITA ROCK CO. (J-6 QUARRY) @ VINITA (SEC.21,T25N,R21E)
1901	CREEK	OK	QUAPAW (BADGER)@ DRUMRIGHT(NE1/4SEC.35&NW1/4SEC.36,T18N,R7E)
1903	CREEK	OK	ANCHOR STONE @ DRUMRIGHT (SEC29,T18N,R8E)
1904	CREEK	OK	OKLAHOMA CRUSHED STONE (NW1/4,SEC29,T17N,R8E)
2101	DELAWARE	OK	SOONER ROCK & SAND @ JAY, OK.(SEC22,T22N,R24E)
2301	ELLIS	OK	HIGHWAY CHIPS (SE1/4SEC7,T18N,R21W)
2801	GREER	OK	DOLESE QUARRY @ GRANITE (SEC. 21 & 22,T6N,R21W)
3101	HASKELL	OK	TIGER MATERIALS.SEC.24,T9N,R18E.
3102	HASKELL	OK	STIGLER STONE @ ENTERPRISE (E1/2SEC24,T9N,R18E)
3502	JOHNSTON	OK	MERIDIAN AGGS @ MILL CREEK (SEC.20,T2S,R5E)
3503	JOHNSTON	OK	MERIDIAN AGGREGATES @ TROY.(SEC.1,T3S,R4E)
3601	KAY	OK	APAC-OKLA. @ KAW CITY (SEC.30,T27N,R5E)
3801	KIOWA	OK	DOLESE CO. @ COOPERTON (SEC.32,T6N,R15W)
3802	KIOWA	OK	MERIDIAN AGGREGATES INC. @ SNYDER (N1/2,SEC.13,T2N,R18W)
4002	LEFLORE	OK	MCCONNELL CONST @ ARKHOMA
4003	LEFLORE	OK	ROCK PRODUCERS AT SPIRO (SEC20,T9N,R26E)
4502	MCCURTAIN	OK	B&B @ BROKEN BOW (SEC.17,T6S,R26E)
4601	MCINTOSH	OK	YOUNGMAN CO. @ ONAPA (SEC.31,T11N,R17E)
4901	MAYES	OK	PRYOR STONE @ PRYOR LEDGE A (NW1/4,SEC36,T21N,R19E)
4902	MAYES	OK	PRYOR STONE LEDGE "C"
4903	MAYES	OK	APAC-OKLA @ PRYOR (SEC26,T21N,R19E)
5001	MURRAY	OK	DOLESE CO. @ BIG CANYON (SEC.30,T2S,R3E)
5002	MURRAY	OK	DOLESE CO. @ DAVIS (W1/2,SEC.9,T1S,R1E)
5003	MURRAY	OK	DALE BEBOUT QUARRY @ PURCELL (SEC11,T1S,R1E)
5005	MURRAY	OK	MATERIALS PRODUCERS INC. @ DAVIS (SEC.1&2,T1S,R1W)
5007	MURRAY	OK	SOONER ROCK & SAND @ DAVIS (NE1/4,SEC.15,T1S,R1E)
5008	MURRAY	OK	WESTERN ROCK @ DAVIS (SEC.10,T1S,R1W)
5101	MUSKOGEE	OK	ARKHOLA S & G @ FT. GIBSON
5106	MUSKOGEE	OK	KEMP STONE (SEC.31,T14N,R18E)
5301	NOWATA	OK	BELLCO #1 @ NOWATA (SEC.26,T26N,R16E)
5303	NOWATA	OK	PEERLESS PIT @ LENAPAH (SEC.30,T28N,R16E)
5701	OSAGE	OK	NUCO ROCK CO. @ HOMINY (E1/2SEC4,R10E,T22N)
5702	OSAGE	OK	APAC-OKLA. @ BURBANK
5703	OSAGE	OK	BELLCO # 4 @ PAWUSKA (N1/2,SEC.11,N1/2,SEC.12,T25N,R8E)
5801	OTTAWA	OK	MIDWEST MINERLS @ MIAMI (SEC.24,T28N,R23E.)
5802	OTTAWA	OK	NELSON STONE CO. @ QUAPAW (NW1/4,SEC.5,T28N,R24E)
5901	PAWNEE	OK	M. E. STEWART & SONS @ PAWNEE(SEC.18,T12N,R6E)

*****COARSE AGGREGATE***** LISTING OF AGGREGATE SOURCES (BY PIT NUMBER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
5902	PAWNEE	OK	QUAPAW CO @ PAWNEE (SE1/4,SEC.30,T22N,R6E)
5903	PAWNEE	OK	STEWART STONE @ PAWNEE (SEC19,T21N,R6E)
5904	PAWNEE	OK	QUAPAW QUARRY N AT PAWNEE (NORTH OF #5902)NE1/4SEC30T22NR6E
6101	PITTSBURG	OK	DOLESE CO. @ HARTSHORNE (SEC,17,T4N,R17E)
6102	PITTSBURG	OK	STRINGFELLOW AND SONS NW1/4,NW1/4,SEC23,T4N,R16E
6201	PONTOTOC	OK	C & O MATERIALS @ FITTSTOWN (NW1/4SEC24,T1N,R6E)
6202	PONTOTOC	OK	COOK STONE CO. @ FITTSTOWN (SEC10,T11N,R6E)
6401	PUSHMATAHA	OK	J.O.B. @ CLAYTON, OK.
6402	PUSHMATAHA	OK	TALIHINA STONE @ ALBION (SEC6,T2N,R22E)
6501	ROGER MILLS	OK	LEEDEY ROCK & SAND CO. @ LEEDEY (SEC21,T17N,R21W)
6602	ROGERS	OK	BELLCO #2 @ CLAREMORE (SEC.33,T23N,R16E)
6603	ROGERS	OK	ANCHOR STONE(D LEDGE) @ OWASSO (SW1/4,SEC,34,T21N,R14E)
6604	ROGERS	OK	ANCHOR STONE("A" LEDGE) @ OWASSO(SW1/4,SEC.34,T21N,R14E)
6703	SEMINOLE	OK	DOLESE CO. @ KONAWA (SEC,24,T6N,R6E)
6704	SEMINOLE	OK	KONAWA MATLS @ KONAWA
6705	SEMINOLE	OK	SEMINOLE STONE @ SEMINOLE (SEC,16,T7N,R7E)
6706	SEMINOLE	OK	OKLAHOMA CRUSHED STONE @ SEMINOLE (SW1/4SEC35,T8N,R7E)
6801	SEQUOYAH	OK	SOUTER CONST. CO INC. @ GORE (W1/2SEC21,T13N,R21E)
7201	TULSA	OK	ANCHOR STONE(46TH ST.) @ TULSA(SE1/4,SEC.8,T20N,R14E)
7201	TULSA	OK	MCNABB STONE @ CATOOSA (W1/2,SEC.33,T20N,R15E)
7203	TULSA	OK	APAC-OKLA(D LEDGE) @ TULSA (SEC.16,T20N,R14E)
7204	TULSA	OK	STANDARD INDUSTRIES (LEDGE A)(SEC16,T20N,R14E)
7206	TULSA	OK	ANCHOR(36TH ST) @ TULSA (SEC20,T20N,R14E)
7208	TULSA	O.	CHANDLER MATLS.CO.,TULSA LITE WATE PLANT,2100N145ETULSA74116
7302	WAGONER	OK	OKAY MATERIALS. @ OKAY,OKLAHOMA (SEC21,T16N,R19E)
7402	WASHINGTON	OK	BELLCO #6 @ BARTLESVILLE (SW1/4,SEC,9,T26N,R14E)
7403	WASHINGTON	OK	BELLCO #3 @ DEWEY (N1/2,SEC.25,T27N,R13E)
7407	WASHINGTON	OK	BELLCO #7 @ DEWEY (SEC.23,T27N,R13E)
7803	OLDHAM	TX	WESTERN S & G @ TASCOSA (ON US-385 1 MILE SOUTH OF TASCOSA)
7804	HUTCHINSON	TX	WESTERN S & G @ BORGER
7805	HUTCHINSON	TX	BORGER S & G @ BORGER (SPRING CREEK PLANT)
7806	HUTCHINSON	TX	BORGER S & G @ SANFORD
7807	OLDHAM	TX	TEXAS S & G @ VEGA (ON US-385 11 MILES NORTH OF VEGA)
7808	HUTCHINSON	TX	E.D. BAKER CORP. @ BORGER (ON FM1559 NW OF CBN. BLK. PLANTS)
7809	OLDHAM	TX	TASCOSA S & G @ WILDORADO
7811	OLDHAM	TX	APPIAN CORP. (CHANNING PLANT) 8 MILES SOUTH ON US-385
7812	POTTER	TX	APPIAN CORP. @ FRITCH (ON SH-136 SW OF FRITCH)
7815	POTTER	TX	TEXAS SAND & GRAVEL KRITSER PIT
7817	WISE COUNTY	TX	TXI BRIDGEPORT QUARRY(3 MILES N. W. OF BRIDGEPORT)
7818	OLDHAM	TX	VEGA SAND & GRAVEL, FULTON PIT
7901	CRAWFORD	AR	ARKHOLA @ VAN BUREN
7902	SEBASTIAN	AR	ARKHOLA @ JENNYLIND (1/2 MILE E. OF JENNYLIND)
7903	CRAWFORD	AR	ARKHOLA S & G(PRESTON) @ VAN BUREN (JCT I-40 & SH-60)
7904	WASHINGTON	AR	APAC-ARK (MCCLINTON) @ WEST FORK (1 MILE N. OF WEST FORK)
7906	CRAWFORD	AR	ALMA ROCK PRODUCERS @ ALMA(SE1/4,NW1/4,SEC19,T10N,R30W)
7907	BENTON	AR	BENTON COUNTY STONE CO. SEC.36,T21N,R33W,BENTON CO. ARKANSAS
7908	POLK	AR	MERIDIAN AGGREGATES BLACK ROCK QUARRY.1 MI. E.OF HATTON,ARK.
8001	MONTGOMERY	KS	KEITH & SONS @ COFFEYVILLE
8002	LYON	KS	BLACKTOP @ HARTFORD (NE1/4SEC3,T21S,R13E)
8010	COWLEY	KS	MCADAM LIMESTONE QUARRY,NW1/4,SEC.7,T34S,R8E.COWLEY CO. KS.
8101	BACA	CO	BACA GRAVEL AND CONC. CO.
8102	BENT	CO	CARDER INC. (SEC5,T23S,R48W)
8201	DES MOINES CO.	NH	SOUTHWAY CONSTRUCTION CO.,INC. (CLAYTON QUARRY)
8202	UNION	NH	TWIN MOUNTAIN ROCK CO. 1000 KIEWIT PLAZA OMAHA NE 68131
8203	COLFAX	NH	TWIN MOUNTAIN ROCK CO. 1000 KIEWIT PLAZA,OMAHA,NEB.68131

*****COARSE AGGREGATE***** LISTING OF AGGREGATE SOURCES (BY PIT NUMBER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
8301	JASPER	MO	ANCHOR STONE QUARRY @ JOPLIN MO.SEC.34,T28N,R32W.JASPER CO.
9034	ATOKA	OK	JOE HERBERT CONST. NE1/4,SEC1,T1N,R12E
9070	BRYAN	OK	TEXHOMA MATERIALS @ CADDO (NE1/2,SEC7,T5S,R12E)
9404	LE FLORE	OK	FINES RECOVERY SYSTEMS @ ROCK ISLAND (SEC9&10,T8N,R27E)
9571	OSAGE	OK	JACK PARKS (MILLSAP) QUARRY (SEC19,T22N,R10E)
9602	BLAINE	OK	WATONGA QUARRY (SEC.32,T17N,R11W)
9851	MONTGOMERY	KS	MIDWEST MINERALS COFFEYVILLE, KANSAS(SEC34,T34S,R17E)

*****COARSE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY SUPPLIER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
7906	CRAWFORD	AR	ALMA ROCK PRODUCERS @ ALMA(SE1/4,NW1/4,SEC19,T10N,R30W)
0301	ATOKA	OK	AMIS OTAC @ STRINGTOWN (E 1/2, SEC.9,T1S,R12E)
1903	CREEK	OK	ANCHOR STONE @ DRUMRIGHT (SEC29,T18N,R8E)
8301	JASPER	MO	ANCHOR STONE QUARRY @ JOPLIN MO.SEC.34,T28N,R32W.JASPER CO.
6604	ROGERS	OK	ANCHOR STONE("A" LEDGE) @ OWASSO(SW1/4,SEC.34,T21N,R14E
6603	ROGERS	OK	ANCHOR STONE(D LEDGE) @ OWASSO (SW1/4,SEC,34,T21N,R14E)
7201	TULSA	OK	ANCHOR STONE(46TH ST.) @ TULSA(SE1/4,SEC.8,T20N,R14E)
7206	TULSA	OK	ANCHOR(36TH ST) @ TULSA (SEC20,T20N,R14E)
7904	WASHINGTON	AR	APAC-ARK (MCCLINTON) @ WEST FORK (1 MILE N. OF WEST FORK)
4903	MAYES	OK	APAC-OKLA @ PRYOR (SEC26,T21N,R19E)
5702	OSAGE	OK	APAC-OKLA. @ BURBANK
3601	KAY	OK	APAC-OKLA. @ KAW CITY (SEC.30,T27N,R5E)
7203	TULSA	OK	APAC-OKLA(D LEDGE) @ TULSA (SEC.16,T20N,R14E)
7811	OLDHAM	TX	APPIAN CORP. (CHANNING PLANT) 8 MILES SOUTH ON US-385
7812	POTTER	TX	APPIAN CORP. @ FRITCH (ON SH-136 SW OF FRITCH)
7902	SEBASTIAN	AR	ARKHOLA @ JENNYLIND (1/2 MILE E. OF JENNYLIND)
7901	CRAWFORD	AR	ARKHOLA @ VAN BUREN
5101	MUSKOGEE	OK	ARKHOLA S & G @ FT. GIBSON
7903	CRAWFORD	AR	ARKHOLA S & G(PRESTON) @ VAN BUREN (JCT I-40 & SH-60)
1102	CHEROKEE	OK	ARKHOLA S & G (ROBERTS QUARRY) @ ZEB (N1/2,SEC.11,T15N,R21E)
4502	MCCURTAIN	OK	B&B @ BROKEN BOW (SEC.17,T6S,R26E)
8101	BACA	CO	BACA GRAVEL AND CONC. CO.
5703	OSAGE	OK	BELLCO # 4 @ PAWHUSKA (N1/2,SEC.11,N1/2,SEC.12,T25N,R8E)
5301	NOWATA	OK	BELLCO #1 @ NOWATA (SEC.26,T26N,R16E)
6602	ROGERS	OK	BELLCO #2 @ CLAREMORE (SEC.33,T23N,R16E)
7403	WASHINGTON	OK	BELLCO #3 @ DEWEY (N1/2,SEC.25,T27N,R13E)
7402	WASHINGTON	OK	BELLCO #6 @ BARTLESVILLE (SW1/4,SEC,9,T26N,R14E)
7407	WASHINGTON	OK	BELLCO #7 @ DEWEY (SEC.23,T27N,R13E)
7907	BENTON	AR	BENTON COUNTY STONE CO. SEC.36,T21N,R33W,BENTON CO. ARKANSAS
8002	LYON	KS	BLACKTOP @ HARTFORD (NE1/4SEC3,T21S,R13E)
7805	HUTCHINSON	TX	BORGER S & G @ BORGER (SPRING CREEK PLANT)
7806	HUTCHINSON	TX	BORGER S & G @ SANFORD
6201	PONTOTOC	OK	C & O MATERIALS @ FITTSTOWN (NW1/4SEC24,T1N,R6E)
8102	BENT	CO	CARDER INC. (SEC5,T23S,R48W)
0401	BEAVER	OK	CARLILE @ TURPIN (SE1/4 SEC.15 T3N R21E)
1105	CHEROKEE	OK	CAUGHERN CONST. CO. NW 1/4,NW 1/4,SEC.36,T16N,R19E
7208	TULSA	O.	CHANDLER MATLS.CO.,TULSA LITE WATE PLANT,2100N145ETULSA74116
1201	CHOCTAW	OK	CHOCTAW MATERIALS @ HESSER
0101	ADAIR	OK	CLAUDE EUBANKS (RIP-RAP)NE1/4,NE1/4,NE1/4.SEC.16,T15N,R24E
6202	PONTOTOC	OK	COOK STONE CO. @ FITTSTOWN (SEC10,T11N,R6E)
5003	MURRAY	OK	DALE BEBOUT QUARRY @ PURCELL (SEC11,T1S,R1E)
1001	CARTER	OK	DOLESE CO. @ ARDMORE (SEC.27,T5S,R1E)
5001	MURRAY	OK	DOLESE CO. @ BIG CANYON (SEC.30,T2S,R3E)
1501	COAL	OK	DOLESE CO. @ BROMIDE
0302	ATOKA	OK	DOLESE CO. @ COLEMAN (SEC.,33,T3S,R9E)
3801	KIOWA	OK	DOLESE CO. @ COOPERTON (SEC.32,T6N,R15W)
0801	CADDO	OK	DOLESE CO. @ CYRIL (S1/2,SEC.36,T6N,R10W)
5002	MURRAY	OK	DOLESE CO. @ DAVIS (W1/2,SEC.9,T1S,R1E)
6101	PITTSBURG	OK	DOLESE CO. @ HARTSHORNE (SEC,17,T4N,R17E)
6703	SEMINOLE	OK	DOLESE CO. @ KONAWA (SEC,24,T6N,R6E)
1601	COMANCHE	OK	DOLESE CO. @ RICHARD SPUR (SEC.31,T4N,R11W)
2801	GREER	OK	DOLESE QUARRY @ GRANITE (SEC. 21 & 22,T6N,R21W)
7808	HUTCHINSON	TX	E.D. BAKER CORP. @ BORGER (ON FH1559 NW OF CBN. BLK. PLANTS)
9404	LE FLORE	OK	FINES RECOVERY SYSTEMS @ ROCK ISLAND (SEC9&10,T8N,R27E)
2301	ELLIS	OK	HIGHWAY CHIPS (SE1/4SEC7,T18N,R21W)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
6401	PUSHMATAHA	OK	J.O.B. @ CLAYTON, OK.
9571	OSAGE	OK	JACK PARKS (MILLSAP) QUARRY (SEC19,T22N,R10E)
1101	CHEROKEE	OK	JAFOR QUARRY @ TAHLEQUAH
1002	CARTER	OK	JOE BROWN @ GENE AUTRY (SE1/4,SEC6,T3S,R3E)
9034	ATOKA	OK	JOE HERBERT CONST. NE1/4,SEC1,T1N,R12E
8001	MONTGOMERY	KS	KEITH & SONS @ COFFEYVILLE
5106	MUSKOGEE	OK	KEMP STONE (SEC.31,T14N,R18E)
6704	SEMINOLE	OK	KONAWA MATLS @ KONAWA
0303	ATOKA	OK	LATTIMORE MATLS. @ COLEMAN (SEC.28,T3S,R9E)
0702	BRYAN	OK	LATTIMORE MATLS. @ KENIFIC (SEC.5,T5S,R9E)
6501	ROGER MILLS	OK	LEEDEY ROCK & SAND CO. @ LEEDEY (SEC21,T17N,R21W)
5901	PAWNEE	OK	H. E. STEWART & SONS @ PAWNEE(SEC.18,T12N,R6E)
5005	MURRAY	OK	MATERIALS PRODUCERS INC. @ DAVIS (SEC.1&2,T1S,R1W)
8010	COWLEY	KS	MCADAM LIMESTONE QUARRY,NW1/4,SEC.7,T34S,R8E.COWLEY CO. KS.
4002	LEFLORE	OK	MCCONNEL CONST @ ARKHOMA
7201	TULSA	OK	MENABB STONE @ CATOOSA (W1/2,SEC.33,T20N,R15E)
1205	CHOCTAW	OK	MERIDIAN AGGREGATES @ APPLE(SEC.13,T5S,R18E)
3503	JOHNSTON	OK	MERIDIAN AGGREGATES @ TROY.(SEC.1,T3S,R4E)
7908	POLK	AR	MERIDIAN AGGREGATES BLACK ROCK QUARRY.1 MI. E.OF HATTON,ARK.
3802	KIOWA	OK	MERIDIAN AGGREGATES INC. @ SNYDER (N1/2,SEC.13,T2N,R18W)
1206	CHOCTAW	OK	MERIDIAN AGGREGATES-SAWYER.(SE1/4,SEC.13,T5S,R18E)
3502	JOHNSTON	OK	MERIDIAN AGGS @ MILL CREEK (SEC.20,T2S,R5E)
9851	MONTGOMERY	KS	MIDWEST MINERALS COFFEYVILLE, KANSAS(SEC34,T34S,R17E)
5801	OTTAWA	OK	MIDWEST MINERLS @ MIAMI (SEC.24,T28N,R23E.)
5802	OTTAWA	OK	NELSON STONE CO. @ QUAPAW (NW1/4,SEC.5,T28N,R24E)
5701	OSAGE	OK	NUCO ROCK CO. @ HOMINY (E1/2SEC4,R10E,T22N)
7302	WAGONER	OK	OKAY MATERIALS. @ OKAY,OKLAHOMA (SEC21,T16N,R19E)
1904	CREEK	OK	OKLAHOMA CRUSHED STONE (NW1/4,SEC29,T17N,R8E)
6706	SEMINOLE	OK	OKLAHOMA CRUSHED STONE @ SEMINOLE (SW1/4SEC35,T8N,R7E)
5303	NOWATA	OK	PEERLESS PIT @ LENAPAH (SEC.30,T28N,R16E)
4901	MAYES	OK	PRYOR STONE @ PRYOR LEDGE A (NW1/4,SEC36,T21N,R19E)
4902	MAYES	OK	PRYOR STONE LEDGE "C"
1901	CREEK	OK	QUAPAW (BADGER)@ DRUMRIGHT(NE1/4SEC.35&NW1/4SEC.36,T18N,R7E)
5902	PAWNEE	OK	QUAPAW CO @ PAWNEE (SE1/4,SEC.30,T22N,R6E)
5904	PAWNEE	OK	QUAPAW QUARRY N AT PAWNEE (NORTH OF #5902)NE1/4SEC30T22NR6E
4003	LEFLORE	OK	ROCK PRODUCERS AT SPIRO (SEC20,T9N,R26E)
6705	SEMINOLE	OK	SEMINOLE STONE @ SEMINOLE (SEC,16,T7N,R7E)
5007	MURRAY	OK	SOONER ROCK & SAND @ DAVIS (NE1/4,SEC.15,T1S,R1E)
2101	DELAWARE	OK	SOONER ROCK & SAND @ JAY, OK.(SEC22,T22N,R24E)
6801	SEQUOYAH	OK	SOUTER CONST. CO INC. @ GORE (W1/2SEC21,T13N,R21E)
8201	DES MOINES CO.	NM	SOUTHWAY CONSTRUCTION CO.,INC. (CLAYTON QUARRY)
7204	TULSA	OK	STANDARD INDUSTRIES (LEDGE A)(SEC16,T20N,R14E)
5903	PAWNEE	OK	STEWART STONE @ PAWNEE (SEC19,T21N,R6E)
3102	HASKELL	OK	STIGLER STONE @ ENTERPRISE (E1/2SEC24,T9N,R18E)
6102	PITTSBURG	OK	STRINGFELLOW AND SONS NW1/4,NW1/4,SEC23,T4N,R16E
6402	PUSHMATAHA	OK	TALIHINA STONE @ ALBION (SEC6,T2N,R22E)
7809	OLDHAM	TX	TASCOSA S & G @ WILDORADO
7815	POTTER	TX	TEXAS SAND & GRAVEL KRITSER PIT
7807	OLDHAM	TX	TEXAS S & G @ VEGA (ON US-385 11 MILES NORTH OF VEGA)
9070	BRYAN	OK	TEXHOMA MATERIALS @ CADDO (NE1/2,SEC7,T5S,R12E)
3101	HASKELL	OK	TIGER MATERIALS.SEC.24,T9N,R18E.
8202	UNION	NM	TWIN MOUNTAIN ROCK CO. 1000 KIEWIT PLAZA OMAHA NE 68131
8203	COLFAX	NM	TWIN MOUNTAIN ROCK CO. 1000 KIEWIT PLAZA,OMAHA,NEB.68131
7817	WISE COUNTY	TX	TXI BRIDGEPORT QUARRY(3 MILES N. W. OF BRIDGEPORT)
7818	OLDHAM	TX	VEGA SAND & GRAVEL, FULTON PIT

*****COARSE AGGREGATE*****

LISTING OF AGGREGATE SOURCES (BY SUPPLIER)

PIT#	COUNTY NAME	STATE	SUPPLIER NAME & LOCATION
1802	CRAIG	OK	VINITA ROCK CO. (J-6 QUARRY) @ VINITA (SEC.21,T25N,R21E)
1801	CRAIG	OK	VINITA ROCK CO. @ VINITA (SEC16&20,T25N,R21E)
9602	BLAINE	OK	WATONGA QUARRY (SEC.32,T17N,R11W)
5008	MURRAY	OK	WESTERN ROCK @ DAVIS (SEC.10,T1S,R1W)
7804	HUTCHINSON	TX	WESTERN S & G @ BORGER
7803	OLDHAM	TX	WESTERN S & G @ TASCOSA (ON US-385 1 MILE SOUTH OF TASCOSA)
4601	MCINTOSH	OK	YOUNGMAN CO. @ ONAPA (SEC.31,T11N,R17E)

APPENDIX B
ODOT SPECIFICATION 701.06: COARSE AGGREGATE

701.06. COARSE AGGREGATE.

- (a) **Materials Covered.** These Specifications cover the quality and size of coarse aggregate for use in portland cement concrete pavements or bases, highway bridges, and incidental structures.

- (b) **General Requirements.** Coarse aggregate shall be stockpiled in accordance with Subsection 106.07.

Coarse aggregate shall be a gravel or crushed stone which shall conform to the requirements of AASHTO M 80, Class A, except as modified by these Specifications. Coarse aggregate shall produce Class A concrete with a durability factor of 50 or more. The durability factor will be determined after 350 cycles of alternate freezing and thawing in accordance with AASHTO T 161, Procedure A. The Los Angeles Abrasion percent wear shall be limited to a maximum of 40 percent after 500 revolutions, when tested in accordance with AASHTO T 96.

Coarse aggregate shall consist of clean, tough, durable particles, practically free from clay, shale, coatings of any character, disintegrated or soft pieces, conglomerates, mud balls, sticks, salt, alkali, or vegetable matter.

Crushed stone or crushed gravel from different sources may be combined in the mix when batched separately in recommended proportions upon written permission of the Engineer.

At least 70 percent of all aggregate retained on the no. 4 sieve in the combined mix shall be crushed stone or mechanically crushed gravel having two or more fractured faces and shall contain not more than 15 percent of flat and elongated pieces. (A flat and elongated piece is one in which the length is greater than five times the average thickness).

- (c) **Gradation.** The coarse aggregate shall be well graded within the limits of the following table:

**Percentage by weight passing laboratory sieves
having square openings in inches**

Sieve Size	No. 3 (2" to 1")	No. 357 (2" to #4)	No. 57 (1" to #4)	No. 67 (¾" to #4)	No. 7 (½" to #4)
2½"	100	100			
2"	90-100	95-100			
1½"	35-70		100		
1"	0-15	35-70	95-100	100	
¾"				90-100	100
½"	0-5	10-30	25-60		90-100
⅜"				20-55	40-70
No. 4		0-5	0-10	0-10	0-15
No. 8			0-5	0-5	0-5
No. 200	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5

701.06

- Coarse aggregate for Class A and Class AA concrete shall be furnished in the no. 57 size only, except that coarse aggregate for pavements and base courses may be furnished, in the no. 3 and no. 57 sizes, combined. When two separate sizes are used, the batch requirement of each size shall be between 35 and 65 percent of the total quantity of coarse aggregate required for each batch.
- Coarse aggregate for massive Class A concrete shall be furnished in the no. 357 size. Coarse aggregate for Class C concrete may be either no. 57 or no. 357.
- Coarse aggregate for thin section concrete shall be furnished in the no. 7 size.
- Coarse aggregate for Class P5 or P6 concrete shall be furnished in the no. 67 size.

APPENDIX C
ODOT SPECIFICATION 701.05: FINE AGGREGATE

701.05. FINE AGGREGATE.

- (a) **Materials Covered.** These Specifications cover the quality and size of fine aggregates for portland cement concrete pavements or bases, highway bridges and incidental structures.

Mortar sand shall meet the requirements of AASHTO M 45.

- (b) **General Requirements.** Fine aggregate shall consist of natural sand, or subject to approval, combinations of manufactured sand and natural sand, having hard, strong, durable particles and shall conform to these Specifications.

Fine aggregate from different sources of supply shall not be mixed or stored in the same stockpile nor used alternately in the same class of construction or mix, without permission from the Engineer, or as provided herein for manufactured sand.

Fine aggregate shall be stockpiled in accordance with with Subsection 106.07.

When manufactured sand is approved for use in combination with natural sand, at least 50 percent of the total fine aggregate by weight shall be natural sand. The two materials shall be stored and batched separately. Each of the materials shall conform to the requirements of these Specifications, except that the mortar strength test shall be made on the blend of materials proposed for use.

- (c) **Deleterious Substances.** The amount of deleterious substances shall not exceed the following limits:

ITEM	MAXIMUM PERMISSIBLE LIMITS MASS PERCENT
Clay lumps and friable particles	3.0
Coal and Lignite	0.5

- (d) **Soundness.** When the fine aggregate is subjected to five alternations of the sodium sulfate soundness test, the weighted loss shall not exceed 10 mass percent.

- (e) **Organic Impurities.** All fine aggregate shall be free from injurious amounts of organic impurities. Aggregates subjected to the colorimetric test for organic

impurities and producing a color darker than the standard shall be rejected unless they pass the mortar strength test as specified below. Should the aggregate show a darker color than that of samples originally approved for the work, its use shall be withheld until tests satisfactory to the Engineer have been made to determine whether the increased color is indicative of an injurious amount of deleterious substances.

A fine aggregate failing in the test may be used provided that, when tested for the effect of organic impurities on strength of mortar, the relative strength at 7 and 28 days calculated in accordance with Section 10 of AASHTO T 71 is not less than 95 percent.

- (f) **Gradation.** Fine aggregate shall be well graded from coarse to fine and when tested by means of laboratory sieves shall conform to the following requirements:

SIEVE	MASS PERCENT PASSING
3/8 inch	100
No. 4	95-100
No. 16	45-85
No. 50	5-30
No. 100	0-10
No. 200	0-3

The gradation requirements given above represent the extreme limits which shall determine suitability for use from all sources of supply. The gradation from any one source shall be reasonably uniform and not subject to the extreme percentages of gradation specified above. For the purpose of determining the degree of uniformity, a fineness modulus (Note) determination shall be made upon representative samples, submitted by the Contractor, from such sources as he proposes to use. Fine aggregate from any one source having a variation in fineness modulus greater than 0.20 either way from the fineness modulus of the representative sample submitted by the Contractor may be rejected.

Note: The fineness modulus of an aggregate is determined by adding the percentages by weight retained on the following sieves having square openings, and dividing by 100: 3 in., 1 1/2 in., 3/4 in., 3/8 in., no. 4, no 8, no. 16, no. 30, no. 50 and no. 100.

- (g) **Methods of Sampling and Testing.** Sampling and testing of fine aggregate shall be in accordance with the following methods of the American Association of State Highway and Transportation Officials:

Sampling	T 2
Friable particles	T 112
Coal and lignite	T 113
Amount of passing a No. 200 sieve	T 11
Organic impurities	T 21
Mortar-making properties	T 71
Sieve analysis	T 27
Soundness (sodium sulfate or magnesium sulfate)	T 104

APPENDIX D
ODOT SPECIFICATION 701.02: PORTLAND CEMENT

701.02. PORTLAND CEMENT. Portland cement shall conform to the requirements of AASHTO M 85 or AASHTO M 240.

Type I, type IA and type IP shall be used in concrete for general concrete construction. When white portland cement is required, it shall meet the requirements of type I.

Type II and type II A shall be used in concrete exposed to moderate sulphate action or moderate heat of hydration, when specified on the Plans or in the Proposal.

Type III and type III A shall be used when high early strength concrete is required.

Unless otherwise approved by the Engineer, the product of only one mill of any one brand and type of portland cement shall be used on the project, except for reduction of any excessive air entrainment where air entraining cement is used.

The Contractor shall provide suitable means of storing and protecting the cement against dampness. Cement which for any reason has become partially set or which contains lumps of caked cement will be rejected. Cement salvaged from discarded or used bags shall not be used.

701.02

All methods of sampling and testing shall be in accordance with the requirements of AASHTO M 85 or AASHTO M 240, except as modified by the Department's acceptance policy published as: "Procedure for Sampling, Testing and Acceptance of Portland Cement." Copies of the procedure are available at the office of the Materials Engineer.

APPENDIX E
ODOT SPECIFICATION 702.01: FLY ASH

**SECTION 702
FLY ASH**

702.01. DESCRIPTION. This Section covers fly ash to be used as an admixture for concrete and to modify or stabilize soils. Fly ash shall meet the requirements of ASTM C 618, Class C or Class F.

The product of only one plant shall be used on the project, unless otherwise approved by the Engineer. The Contractor shall provide suitable means of storing and protecting the fly ash against contamination and dampness. Fly ash which has become partially set, contains lumps of caked fly ash or has been contaminated will be rejected.

All methods of sampling and testing shall be in accordance with the requirements of ASTM C 311 except as modified by the Department's acceptance policy published as: "Procedure for Sampling, Testing and Acceptance of Fly Ash." Copies of the procedure are available at the office of the Materials Engineer.