



TECH NOTE NO: 9
TITLE: Freeze Thaw Performance of Coarse Aggregates
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Concrete that is properly designed for environmental effects and produced under good quality control will be capable of near maintenance-free performance. One environmental effect that may cause concrete to deteriorate prematurely is freeze thaw cycles. When freeze thaw cycles cause expansion in aggregates, they cause D-cracking in the concrete. Coarse aggregates are especially susceptible to freeze thaw damage. Concrete can become damaged under repeated freezing and thawing cycles due to the expansion of water in freezing when the concrete pores are filled with water. Freeze thaw is a very aggressive deterioration process and needs to be prevented by proper concrete designs. Freeze thaw expansion in cement paste can be prevented by simply adding air entrainment, but freeze thaw expansion in aggregates can be prevented only by avoiding susceptible aggregates.

The proposal to OMP stated that a testing program would be developed to determine susceptible aggregates in the Chicago area quarries. After consulting with the Illinois Department of Transportation (IDOT), we are recommending the use of their approved aggregate suppliers. IDOT has made available a Freeze Thaw Rating List based

on a 40 year design life, a copy of which is attached with this note. IDOT has been testing for freeze thaw susceptible aggregates all over the state. For any aggregate producer to use their stone for a project funded by the state of Illinois, it first must be approved by IDOT. Therefore, this list is a reliable resource for selecting the source of the coarse aggregate selected for use in the concrete for the OMP project.

Maximum aggregate size is a big consideration when evaluating freeze thaw performance. There is a critical size of aggregate above which the aggregate is liable to fracture. It is measured as the maximum distance water must flow to reach the outside surface in order to relieve hydraulic pressure. The size is determined based on the freezing rate, degree of saturation, permeability, and tensile strength. Worst case scenario for aggregates is having fine pores with high absorption and low permeability. Once saturated, as the water freezes it will not be able to escape the pores quick enough to avoid expansion that causes internal cracking.

IDOT uses a modified procedure B of ASTM C666 for testing. The procedure freezes the aggregate in air and thaws it in water. Every 50 cycles they measure length change to monitor internal expansion to see if the aggregate is cracking. In order to be approved for freeze thaw resistance, the aggregate must have less than 0.06" expansion on 5 samples tested. The 40 year design life list uses less than 0.025" for approval.

The approved list from IDOT shows what top size stone gradation can be used from each source in the far right hand column for yes (Y) or no (N) under different size gradations tested. The numbers correspond to IDOT gradations of CA5, CA7, CA11, and CA14 which translate to top size aggregates of 1½", 1", ¾", and ½" respectively. The gradations used by IDOT are similar to the requirements of ASTM C33 for aggregate

sizing. Our understanding from consulting with IDOT is that the sources that meet this freeze thaw rating for up to 1½” top size coarse aggregate should meet the rating for up to a 2” as well. Only 9 sources, however, meet this requirement near the Chicago area in IDOT District 3 near Rockford.

For the UIUC concrete mix design research project, aggregate top size is being considered to limit early age shrinkage. Shrinkage tests will be run to see if there is an added benefit to use a larger top size aggregate gradation. Once results are obtained, further research into the freeze thaw performance of these aggregates will be studied.

Illinois Department of Transportation
Bureau of Materials and Physical Research
FREEZE-THAW RATING LIST
October 29, 2004

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Standard Specifications for Road and Bridge Construction, Article 1004.02 (f) (Adopted January 1, 2002)

20 Year Pavement Design

Dist	Producer Name	Location	P/S No.	Ledge Description	F-T Rating	Year Last Sampled
91	BAKLEY CONST. CORP.	HUNTLEY, IL	51110-28	Above Water	19mm (3/4")	2001
91	BAKLEY CONST. CORP.	HUNTLEY, IL	51110-28	Above & Below Water	19mm (3/4")	2001
91	BAKLEY CONST. CORP.	HUNTLEY, IL	51110-29	Above & Below Water-Crushed & Screened	19mm (3/4")	2002
91	BASS SAND & GRAVEL	HEBRON, WI	52400-27	Above & Below Water	19mm (3/4")	2002
91	BEEMSTERBOER SLAG	E. CHICAGO, IN	52103-21	ACBF Slag	12.5mm (1/2")	2000
91	BEVERLY MATL'S, INC	ELGIN, IL	50890-22	Below Water – Crushed Gravel	19mm (3/4")	2001
91	BEVERLY MATL'S, INC	ELGIN, IL	50890-22	Above Water-West Pit-Crushed Gravel	19mm (3/4")	2004
91	BEVERLY MATL'S, INC	ELGIN, IL	50890-22	Above Water - West Pit	19mm (3/4")	2003
91	BEVERLY MATL'S, INC.	HUNTLEY, IL	51110-41	0m - 6.1m - Above Water - Jaw, Cone - Partial Crush	19mm (3/4")	2003
91	BEVERLY MATL'S, INC.	HUNTLEY, IL	51110-41	0m - 4.3m - Below Water - Jaw, Cone - Partial Crush	19mm (3/4")	2003
91	BEVERLY MATL'S, INC.	HUNTLEY, IL	51110-41	6.1m Above & 4.3m Below Water - Jaw, Cone - Crushed Gravel	19mm (3/4")	2003
91	BLUFF CITY MATERIALS	BARTLETT, IL	50310-09	Above Water	19mm (3/4")	2002
91	BLUFF CITY MATERIALS	BARTLETT, IL	50310-09	Above & Below Water - HSI @ 50890-08 - Partial Crush	19mm (3/4")	2004
91	BLUFF CITY MATERIALS	BARTLETT, IL	50430-11	Above Water	19mm (3/4")	2002
91	BLUFF CITY MATERIALS	BARTLETT, IL	50430-11	Above Water - +1" Recirc. HSI - Crushed Gravel	19mm (3/4")	2002
91	BLUFF CITY MATERIALS	BARTLETT, IL	50430-11	Below Water	19mm (3/4")	2002
91	BLUFF CITY MATERIALS	ELGIN, IL	50310-07	Above & Below Water - Jaw, HSI @ 50430-11 - Partial Crush	19mm (3/4")	2003
91	BLUFF CITY MATERIALS	ELGIN, IL	50310-07	Above & Below Water - HSI - Partial Crush	19mm (3/4")	2004
91	BLUFF CITY MATERIALS	ELGIN, IL	50310-07	Above & Below Water - HSI - Crushed Gravel	19mm (3/4")	2004
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Above & Below Water	19mm (3/4")	2003
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Below Water - Jaw, VSI - Crushed Gravel	19mm (3/4")	2003

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91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Above Water - Jaw, VSI - Crushed Gravel	19mm (3/4")	2003
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Below Water	19mm (3/4")	2003
91	CEDAR LAKE S. & G.	HARTFORD, WI	52400-39	Above Water - Jaw, Cone, Roll, not 100% Crushed	19mm (3/4")	2003
91	CONCO WESTERN STONE	N. AURORA, IL	50892-01	78.0-85.0m ledge - Jaw, HSI	25mm (1")	2001
91	ELMHURST CHICAGO ST.	MARENGO, IL	51110-61	Below Water-HSI- Not 100% Crushed	19mm (3/4")	2002
91	ELMHURST CHICAGO ST.	ROMEOVILLE, IL	51972-10	0-15.2m Ledge - Jaw, 6, HSI, 2 VSI	25mm (1")	2001
91	ELMHURST CHICAGO ST.	ROMEOVILLE, IL	51972-10	15.2m - 24.4m - Jaw, 6, HSI, 2VSI	25mm (1")	2002
91	FELTES SAND & GRAVEL	ELBURN, IL	50890-27	Above & Below Water - Jaw - Partial Crush	19mm (3/4")	2003
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-10.4m (0-34') - Jaw, 3 Cones	19mm (3/4")	2002
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-12.5m - Jaw, 6, +3" Triple Roll	19mm (3/4")	2001
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-12.5m - Jaw, 6 to Simplicity Screen	19mm (3/4")	2001
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	88.4-96.0m, Mine - Jaw, Cage, Roll	25mm (1")	2004
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	88.4-96.0m, Mine - Jaw, -1 1/2" Processed	25mm (1")	2002
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	96.0-103.6m, Mine - Jaw, Cage, Roll	25mm (1")	2004
91	KANELAND S & G	KANEVILLE, IL	50890-50	Above Water	19mm (3/4")	2001
91	LAFARGE CORP.	ONTARIO, CA	52352-01	0m - 15.2m - Dolomite - Gyro Cone, Cone, Roll	19mm (3/4")	2004
91	LEVY COMPANY	BURNS HARBOR, IN	52103-10	ACBF Slag	12.5mm (1/2")	2000
91	LEVY COMPANY	E. CHICAGO, IN	52103-11	ACBF Slag	25mm (1")	2000
91	MANN BROS., INC.	EAST TROY, WI	52400-50	Above Water - Jaw, Cone, Roll - Not 100% Crushed	19mm (3/4")	2004
91	MANN BROS., INC.	EAST TROY, WI	52400-51	Above Water - Jaw, Cone, Roll - Not 100% Crushed	19mm (3/4")	2004
91	MANN BROS.,INC.	WHITEWATER, WI	52400-48	27.4-54.9m - Above Water - Jaw, Cone, Roll	19mm (3/4")	2004

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91	MATERIAL SERVICE	ALGONQUIN, IL	51110-12	Above & Below Water	19mm (3/4")	2000
91	MATERIAL SERVICE	JOLIET, IL	51970-39	Above Water - Jaw, Cone - Crushed Gravel	19mm (3/4")	2003
91	MATERIAL SERVICE	JOLIET, IL	51970-39	Above Water - Jaw - Crushed Gravel	12.5mm (1/2")	2002
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0-9.1m- Level #1- EMD- Main Plant	25mm (1")	2001
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0-9.1m (0-30')- Level #1- EMD- Chip Plant	19mm (3/4")	2001
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	9.1-18.3m (30-60')- Level #2- EMD- Main Plant	25mm (1")	2000
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	9.1-18.3m (30-60')- Level #2- EMD- Chip Plant	25mm (1")	2000
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	18.3-27.4m (60-90')- Level #3- EMD- Chip Plant	25mm (1")	2002
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	18.3-27.4m (60-90')- Level #3- EMD- Main Plant	25mm (1")	2002
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	27.4-36.5m- Level #4- EMD - Main	25mm (1")	2000
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	27.4-36.5m- Level #4-EMD - Chip	25mm (1")	2000
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	36.5-46.3m (120-152')- Level #5- EMD- Chip Plant	25mm (1")	2002
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	36.5-46.3m (120-152')- Level #5- EMD- Main Plant	25mm (1")	2002
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0.0-18.3m-Level 1 & 2-EMD-Chip Plant	25mm (1")	2002
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0.0-18.3m-Level 1 & 2-EMD-Main Plant	25mm (1")	2002
91	MATERIAL SERVICE	LYONS, IL	50312-18	0-7.4m (0-24') Level	25mm (1")	2002
91	MATERIAL SERVICE	LYONS, IL	50312-18	Level #7- 73.8-82.9m	25mm (1")	2000
91	MATERIAL SERVICE	ROMEOVILLE, IL	51972-02	0-41.1m - Pierce Quarry	25mm (1")	2001
91	MATERIAL SERVICE	THORNTON, IL	50312-04	112.8-118.9m Ledge	25mm (1")	2001
91	MATERIAL SERVICE	THORNTON, IL	50312-04	0m - 105.8m - Lev. 1-3 - Gyro, Log, Cone	25mm (1")	2002
91	MATERIAL SERVICE	THORNTON, IL	50312-04	22.9m - 76.2m - Gyro, Log, Cone	25mm (1")	2004

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91	MEYER MATERIAL CO	TWIN LAKES, WI	52400-44	Above Water - Screened & Crushed, Jaw, Roll	19mm (3/4")	2002
91	MEYER MATERIAL CO.	ALGONQUIN, IL	51110-07	Above & Below Water	19mm (3/4")	2000
91	MEYER MATERIAL CO.	ALGONQUIN, IL	51110-42	Above Water	19mm (3/4")	2001
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Below Water - Crushed & Screened	19mm (3/4")	2003
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Below Water - Jaw, -1" to Wash Plant	19mm (3/4")	2003
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Above Water - Screened Only	19mm (3/4")	2001
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Above & Below Water - Jaw, -1" to Wash Plant	19mm (3/4")	2003
91	MEYER MATERIAL CO.	LILYMOOR, IL	51110-10	Above Water	19mm (3/4")	2000
91	MEYER MATERIAL CO.	MARENGO, IL	51110-03	Above & Below Water – Crushed & Screened	19mm (3/4")	2003
91	MEYER MATERIAL CO.	MCHENRY, IL	51110-11	Crushed Gravel	19mm (3/4")	2002
91	MEYER MATERIAL CO.	MCHENRY, IL	51110-11	Above Water - Partial Crush	19mm (3/4")	2004
91	MIDWEST AGGREGATES	ANTIOCH, IL	50970-20	Above & Below Water - HSI, Not 100% Crushed	19mm (3/4")	2004
91	PAYNE & DOLAN, INC.	ROCHESTER, WI	52400-42	Above Water - Jaw, Cone, VSI, Roll-Screened & Crushed	19mm (3/4")	2002
91	PETERS, J.W. & SONS	BURLINGTON, WI	52400-36	Above Water - Crushed & Screened	19mm (3/4")	2001
91	PRAIRIE MATERIAL	ELGIN, IL	50892-05	7.6-19.8m Face - Cone, VSI	19mm (3/4")	2000
91	PRAIRIE MATERIAL	KANEVILLE, IL	50890-37	Below Water - Jaw, HSI - Not 100% Crushed	19mm (3/4")	2002
91	PRAIRIE MATERIAL	MARENGO, IL	51110-39	Above & Below Water	19mm (3/4")***	2003
91	THELEN SAND & GRAVEL	ANTIOCH, IL	50970-01	6.1m Above Water - Jaw, Jaw, Cone - Partial Crush	19mm (3/4")***	2004
91	VULCAN MATERIALS	JOLIET, IL	51972-19	0-18.3m Ledge - Jaw, 6, Cone, 1, 2", VSI	25mm (1")	2000
91	VULCAN MATERIALS	JOLIET, IL	51972-19	18.3-36.6m Ledge - Jaw, 6, Cone, 1, 2", VSI	25mm (1")	2000
91	VULCAN MATERIALS	JOLIET, IL	51972-19	0-36.6m Ledge - Jaw, 6, Cone, 1, 2", VSI	25mm (1")	2001

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91	VULCAN MATERIALS	JOLIET, IL	51972-19	36.6m - 42.6m - Jaw, 6, Cone, VSI	25mm (1")	2004
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m-Level 1- Hodgkins- Sand Plant	25mm (1")	2000
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m- Level 1- Hodgkins- Main Plant	25mm (1")	2001
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m-Level 1- Hodgkins- Chip Plant	25mm (1")	2001
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Main Plant	25mm (1")	2004
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Chip Plant	25mm (1")	2004
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Sand Plant	25mm (1")	2003
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	152.4-135.6m- Level 3- Hodgkins- Chip Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	152.4-135.6m- Level 3- Hodgkins- Main Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	135.6-120.4m-Level 4- Hodgkins- Main Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	135.6-120.4m- Level 4- Hodgkins- Chip Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	120.4-106.7m- Level 5- Hodgkins- Main Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	120.4-106.7m- Level 5- Hodgkins- Chip Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	115.8-105.2m- Below Red - NE Side- Main Plant	25mm (1")	2001
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Main Plant	25mm (1")	2003
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	75/25 Blend-Level 1 & New B - Main Plant	25mm (1")	2002
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Chip Plant	25mm (1")	2003
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Sand Plant	25mm (1")	2003
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0-21.3m - Jaw, 1"x3", 7, HSI, 6, Cone, VSI	25mm (1")	2000
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0m - 18.9m - Jaw, 1"x3", 7, HSI, 6, Cone, VSI	25mm (1")	2002
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0m - 18.9m - Jaw, 1"x3", 7, HSI, VSI	25mm (1")	2003

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91	VULCAN MATERIALS	RACINE, WI	52402-01	68.3-79.2m - Gyro, 6, Cone, VSI	25mm (1")	2003
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	0-33.5m (0-110') Face	25mm (1")	2000
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	9.1-33.5m Face- Jaw, 6, 3 Cones	25mm (1")	2002
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	64.5m - 56.7m- Upper Mine - Jaw, 6, 2 Cones	25mm (1")	2004
91	VULCAN MATERIALS	SUSSEX, WI	52402-64	20.4-30.5m - Jaw, 6, HSI, VSI	25mm (1")	2004
91	VULCAN MATERIALS	SUSSEX, WI	52402-64	0-20.4m - Jaw, 6, HSI, VSI	25mm (1")	2003
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0-21.3m (0-70') - Jaw, 10, plus 22.2mm (+7/8") Mill/2 Rolls	19mm (3/4")	2002
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0-21.3m - Jaw, 6, plus 1" Mill, D. Roll	19mm (3/4")	2001
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0m - 21.3m - Jaw, 10, HSI, Recirc.Roll	19mm (3/4")	2002
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	12.2m - 21.3m - Jaw, 10, HSI, Recirc.Roll	19mm (3/4")	2003
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	12.2m - 21.3m - HSI, 10, HSI, Recirc. Roll	19mm (3/4")	2003
92	ALLIANCE MATERIALS	WOOSUNG, IL	51412-71	Plus 5.5m-13.7m - Jaw, 10, Recirc. Imp	19mm (3/4")	2003
92	BOB PROPHETER AGG	DIXON, IL	51032-73	4.6-19.8m - Jaw, 10, Cone, Recirc. T.Roll	19mm (3/4")	2002
92	BOB PROPHETER AGG	DIXON, IL	51032-73	4.6m - 19.8m - Jaw, Cone, Recirc. VSI	19mm (3/4")	2004
92	CONMAT, INC.	ELIZABETH, IL	50852-61	9.1-21.3m - HSI, 10, Recirc. Mill, HSI	19mm (3/4")	2001
92	CONMAT, INC.	ELIZABETH, IL	50852-61	9.1-21.3m - HSI, 10, Recirc. Mill, Mill	19mm (3/4")	2001
92	CONMAT, INC.	ELIZABETH, IL	50852-61	11.3m - 23.5m - HSI, 10, Recirc.HSI	19mm (3/4")	2003
92	CONMAT, INC.	ELIZABETH, IL	50852-61	2.5m - 23.5m - HSI, 10, Recirc. HSI	19mm (3/4")	2003
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, 10, Recirc. HSI	19mm (3/4")	2003
92	CONMAT, INC.	ELIZABETH, IL	50852-61	2.5m - 23.5m - HSI, Recirc.HSI, Wash	19mm (3/4")	2003
92	CONMAT, INC.	ELIZABETH, IL	50852-61	11.3m - 23.5m - HSI, Recirc. HSI, Wash	19mm (3/4")	2003

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Dist	Producer Name	Location	P/S No.	Ledge Description	F-T Rating	Year Last Sampled
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, Recirc. HSI, Wash	19mm (3/4")	2003
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, 10 to Wash Plant	19mm (3/4")	2004
92	CONMAT, INC.	FREEPORT, IL	51772-28	15.2m - 30.5m - HSI, 10, HSI, 16, Recirc. HSI	19mm (3/4")	2004
92	CONMAT, INC.	ORANGEVILLE, IL	51772-27	0-15.2m (0-50') Ledge - HSI, 10, +2" Mill, +1-2" Recirc., HSI	19mm (3/4")	2001
92	CONMAT, INC.	STOCKTON, IL	50852-67	0m-15.2m - Jaw, 10, 2 Mills	19mm (3/4")	2002
92	COX, R.E.	LENA, IL	51772-04	0-15.2m (0-50') - Jaw, 10, plus 37.5mm (+1 1/2") to Mill	19mm (3/4")	2001
92	COX, R.E.	LENA, IL	51772-04	+3.0m - 0m - Jaw, +1 1/2" Scalp, Recirc.Mill	19mm (3/4")	2003
92	FISCHER EXCAVATING	FORRESTON, IL	51412-58	15.2-27.4m - HSI, 6, Recirc., HSI	19mm (3/4")	2001
92	FISCHER EXCAVATING	FORRESTON, IL	51412-58	+3.1m - 15.2m -HSI, 6, Recirc., HSI	19mm (3/4")	2002
92	FISCHER EXCAVATING	FREEPORT, IL	51772-51	0-9.1m Face - HSI, HSI	19mm (3/4")	2001
92	FISCHER EXCAVATING	FREEPORT, IL	51772-51	0-9.1m Face - HSI, 6, HSI	19mm (3/4")	2001
92	FISCHER EXCAVATING	FREEPORT, IL	51772-51	0-9.1m - HSI, 6" to 2", 10, Recirc.HSI	19mm (3/4")	2003
92	FISCHER EXCAVATING	GALENA, IL	50852-93	0m - 15.2m - HSI, 10, HSI	19mm (3/4")	2004
92	FISCHER EXCAVATING	LEE CENTER, IL	51032-30	0-18.3m Ledge - Jaw, 10, VSI, Recirc. VSI	19mm (3/4")	2000
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m-12.2m - HSI, 6, HSI	19mm (3/4")	2002
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m - 12.2m - Imp, 10, Recirc. Imp	19mm (3/4")	2004
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m - 12.2m - Imp, No Scalp, Recirc. Imp	19mm (3/4")	2004
92	FISCHER EXCAVATING	MT. CARROLL, IL	50152-16	+7.7m-15.2m - HSI, 10, HSI	19mm (3/4")	2004
92	FISCHER EXCAVATING	ROCKTON, IL	52012-23	0-12.8m-HSI,10,HSI	19mm (3/4")	2002
92	FISCHER EXCAVATING	STOCKTON, IL	50852-20	0m - 18.3m - HSI, 10, Recirc. HSI	19mm (3/4")	2004
92	JANESVILLE SAND & GR	JANESVILLE, WI	52400-01	0-24.4m - Above Water - Screened	19mm (3/4")	2001

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92	LARSON, E., INC.	CORTLAND, IL	50372-02	54.8m - 69.1m-HSI, 6, Mill, 21, HSI	25mm (1")	2002
92	LARSON, E., INC.	CORTLAND, IL	50372-02	69.1m - 82.8m - HSI, 6, VSI, 21, HSI	25mm (1")	2004
92	LEE, CHARLES & SON	IRENE, IL	50072-02	0-26.2m - Jaw, 6, Mill, VSI	19mm (3/4")	2004
92	LINWOOD MINING	LINWOOD, IA	52202-08	6.1m, Lower Level - Otis - Mill, Cone - Mine	19mm (3/4")	2001
92	LINWOOD MINING	LINWOOD, IA	52202-08	6.1m - Lower Level - Otis - Imp, Cone	19mm (3/4")	2003
92	LOBERG EXCAVATING	FREEPORT, IL	51772-08	0-9.1m -Jaw,10,Recirc.,HSI	19mm (3/4")	2003
92	LOUIE'S AGGREGATE CO	GILFORD, IL	50852-90	0m - 13.7m - HSI, 10, HSI	19mm (3/4")	2004
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	12.2-30.5m (40-100') - Jaw, 10, Cone, Triple Roll (Recirc.)	19mm (3/4")	2000
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	0-30.5m(0-100') - Imp, Cone, 10, Recirc. Cone	19mm (3/4")	2002
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	0m - 30.5m - Imp, 10, 2 Cones, Recirc. Cone	19mm (3/4")	2003
92	MARTIN MATERIALS	OREGON, IL	51412-34	Plus 4.6m (+15') to minus 18.3m (-60') - HSI, 10, HSI	19mm (3/4")	2002
92	MARTIN MATERIALS	OREGON, IL	51412-34	Plus 4.6m - 18.3m - HSI, 2, Recirc. HSI	19mm (3/4")	2002
92	NORTHERN IL SERVICE	ROCKFORD, IL	52012-30	9.8 - 15.9m Ldg. #2 - HSI, 6, HSI	19mm (3/4")	2000
92	NORTHERN MATERIALS	NEW MILFORD, IL	52012-52	0m - 7.9m - Jaw, HSI	19mm (3/4")	2003
92	PRAIRIE MATERIAL	DIXON, IL	51032-80	3.7-11.0m - Butler Pit - Imp, 10,Recirc. Imp	12.5mm (1/2")	2002
92	PRAIRIE MATERIAL	DIXON, IL	51032-80	6.1-14.6m (20-48') - HSI, 10, Recirc. HSI	12.5mm (1/2")	2001
92	PRAIRIE MATERIAL	DIXON, IL	51032-84	8.2-11.9m - Imp, No Scalp, Recirc. Imp	12.5mm (1/2")	2000
92	RIVERSIDE QRY &BLKTP	WACKER, IL	50152-92	15.2 - 24.4m - Imp, 10, + 7/8" HSI	19mm (3/4")	2000
92	RIVERSIDE QRY &BLKTP	WACKER, IL	50152-92	0-24.4m Face - Imp, 10, +7/8" HSI	19mm (3/4")	2004
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	2nd Ledge - 7.6m - 18.3m - IMP, Cone	25mm (1")	2003
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	3rd Ledge - 18.3m - 30.7m - Imp, Cone	37.5mm (1 1/2")	2003

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92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	9th Ledge, 77.7-91.4m - Imp, 2 Cones	37.5mm (1 1/2")	2001
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	3rd & 4th Ledge - 18.3m - 38.1m - IMP, Cone, Log	37.5mm (1 1/2")	2004
92	RIVERSTONE GROUP,INC	LECLAIRE, IA	52202-10	61.0m - 79.3m - Ledge 5 - N. of Fault - HSI, HSI	19mm (3/4")	2003
92	RIVERSTONE GROUP,INC	MCCAUSLAND, IA	52202-16	0-13.7m - Level 1 - HSI, HSI, Oversize, 6, Rescreened	37.5mm (1 1/2")	2003
92	RIVERSTONE GROUP,INC	MCCAUSLAND, IA	52202-16	27.4m - 45.7m - Ledge 3 - 2 HSI, Log	25mm (1")	2003
92	RIVERSTONE GROUP,INC	MILAN, IL	51612-31	5th, 6th, & 7th Ledge, 25.3-52.7m - Silurian-Jaw, HSI, Cone	37.5mm (1 1/2")	2002
92	RIVERSTONE GROUP,INC	MILAN, IL	51612-31	9th Ledge, 64.9m - 77.1m - Jaw, HSI, Cone	37.5mm (1 1/2")	2003
92	RIVERSTONE GROUP,INC	OSBORN, IL	51612-23	1st & 2nd Ledges-0m-9.1m-Jaw, HSI, Cone	37.5mm (1 1/2")	2002
92	RIVERSTONE GROUP,INC	OSBORN, IL	51612-23	3rd Ledge - 9.1m - 21.3m - Jaw, HSI	37.5mm (1 1/2")	2003
92	ROCKFORD SAND & GRAV	BELVIDERE, IL	50072-01	1.8m-26.5m (4-87') Face	25mm (1")	2002
92	ROCKFORD SAND & GRAV	LOVES PARK, IL	52012-69	51.7 - 64.3m Ldg. #4 - HSI, 6, VSI	19mm (3/4")	2000
92	ROCKFORD SAND & GRAV	LOVES PARK, IL	52012-69	64.3-75.3m, Ldg. #5 - HSI, 6, VSI	19mm (3/4")	2000
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52010-07	Below Water	19mm (3/4")*	2003
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52012-45	19.2-28.0m - Jaw, FA6, VSI	19mm (3/4")	2003
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52012-77	6.1-26.8m (20-88') - Jaw, CA06, VSI	25mm (1")	2003
92	ROGERS R-M & MATLS.	BYRON, IL	51412-32	15.2m - 26.0m - HSI, 10, Recirc.HSI	19mm (3/4")	2004
92	ROGERS R-M & MATLS.	CHERRY VALLEY, IL	52012-31	0-12.2m (0-40')	25mm (1")	2003
92	ROGERS R-M & MATLS.	CHERRY VALLEY, IL	52012-31	12.6-26.5m - 6, HSI, 11, HSI - Stockpile Approved	19mm (3/4")	2003
92	SCHLICHTING & SONS	BELVIDERE, IL	50072-15	0m - 25.6m - HSI, 6, HSI	19mm (3/4")	2003
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0.0-40.2m -Gyro, 6, +3", 3 Cones	25mm (1")	2004
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-64.6m - Gyro, 3", 6, 3 cones	25mm (1")	2002

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92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0m - 40.2m - Gyro, 3", 6 to Wash Plant	25mm (1")	2003
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0-40.2m - HSI, 2 cones	19mm (3/4")	2001
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-46.3m - Gyro, 3", 6, 3 Cones	25mm (1")	2002
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-64.6m-Gyro, 3", 6 to Wash Plant	25mm (1")	2001
92	WENDLING QUARRIES	MT. CARROLL, IL	50152-74	18.0-31.7m - Impactor, T.Roll, Hammermill	19mm (3/4")	2004
93	CARRI SCHARF MATL CO	HEYWORTH, IL	51130-82	Below Water - + 5/8" to VSI - Partial Crush	19mm (3/4")*	2004
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	0-24.4m - Jaw, RR1, Cone, 6, Roll - Dolomite	19mm (3/4")	2000
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	0-24.4m - Jaw, Cone, Roll - Dolomite	19mm (3/4")	2002
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	24.4-32.0m - Jaw, Cone, Roll - Dolomite	19mm (3/4")	2003
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	32.0m - 39.6m - Jaw, RR1, 6, Cone, Roll	19mm (3/4")	2004
93	PRAIRIE MATERIAL	FAIRBURY, IL	51052-15	3.7m (12') Ledge - HSI, Washer	25mm (1")	2001
93	PRAIRIE MATERIAL	FAIRBURY, IL	51052-15	3.7m Ledge - 2 HSI	25mm (1")	2004
93	PRAIRIE MATERIAL	MANTENO, IL	50912-06	1.8-19.8m Ledge A - Jaw, 10, 2 Cones	37.5mm (1 1/2")	2004
93	PRAIRIE MATERIAL	OCOYA, IL	51052-09	6.5m - 51052-16 - Imp, Mill, Imp	12.5mm (1/2")	2002
93	PRAIRIE MATERIAL	OCOYA, IL	51052-09	6.5m - 51052-17 - Imp, Mill, Imp	12.5mm (1/2")	2003
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	18.3-33.5m - Ledge 4 - 2 Impactors, Log	19mm (3/4")	2002
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	6.7m - 18.3m - Ledge 3 - 2 Impactors, Log	19mm (3/4")	2003
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	18.3m - 33.5m - Ledge 4 - HSI, HSI, VSI, Log	19mm (3/4")	2003
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	6.7m - 18.3m - Ledge 3 - HSI, HSI, VSI, Log	19mm (3/4")	2003
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m (0-60') - HSI, plus 37.5mm (+1 1/2") to minus 100mm (-4") HSI, Log	19mm (3/4")	2002
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m - 2 HSI, VSI, LOG	19mm (3/4")	2001

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93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m - HSI, -1" Log, +1" HSI, -1"Log, Recirc. VSI, Log	19mm (3/4")	2000
93	SPICER GRAVEL CO.	MARSEILLES, IL	50990-32	15.2m Below Water - + 1 1/8" Imp - Not 100% Crushed	19mm (3/4")*	2000
93	U.S. AGGREGATES	DELPHI, IN	52102-28	0.9-16.2m Level 1 - Hannah 2 - Jaw, 10, 6, 2 Cones	25mm (1")	2000
93	U.S. AGGREGATES	DELPHI, IN	52102-28	16.2-31.4m Level 2 - Hannah 2 - Jaw, 10, 6, 2 Cones	25mm (1")	2000
93	U.S. AGGREGATES	DELPHI, IN	52102-28	31.4m - 46.6m - Level 3 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	19mm (3/4")	2004
93	U.S. AGGREGATES	DELPHI, IN	52102-28	16.2m - 31.4m - Level 2 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	19mm (3/4")	2004
93	U.S. AGGREGATES	DELPHI, IN	52102-28	0.9m - 16.2m - Level 1 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	19mm (3/4")	2004
93	VALLEY RUN STONE	LISBON, IL	50932-02	0-36.6m - Jaw, 6, 1"x3", Cone, + 1" Recirc. HSI	19mm (3/4")	2000
93	VALLEY RUN STONE	LISBON, IL	50932-02	0-36.6m - Jaw, RR1, 6, Cone, HSI	19mm (3/4")	2003
93	VALLEY RUN STONE	LISBON, IL	50932-02	36.6m-45.7m-Jaw, 3, 6, Cone, VSI	19mm (3/4")	2002
93	VALLEY RUN STONE	LISBON, IL	50932-02	36.6 - 45.7m - Jaw, RR1, 6, Cone, Imp	19mm (3/4")	2003
93	VALLEY RUN STONE	LISBON, IL	50932-02	0m - 45.7m - Jaw, 6, RR1, Cone, Imp	19mm (3/4")	2004
93	VALLEY VIEW INDUST.	FAIRBURY, IL	51052-03	Ledge A - Recirc. HSI	19mm (3/4")	2001
93	VALLEY VIEW INDUST.	FAIRBURY, IL	51052-03	6m Face - HSI, Wash	19mm (3/4")	2004
93	VALLEY VIEW INDUST.	OCOYA, IL	51052-13	4.9m (16') Ledge - 2 Impactors, CA10 Scalped	19mm (3/4")	2003
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	158.5-147.5m, Ledge 5 & 6 - Jaw, Cone, VSI	25mm (1")	2001
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	180.1m - 147.5m - Ledges 3 -7 - Jaw, Cone, Cone, VSI	25mm (1")	2003
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	195.4m - 180.1m - Ledge 8 - Jaw, Cone, Cone, VSI	25mm (1")	2004
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	0-12.5m, Ledge A - Gyro, Cone, 10, 3 cones	37.5mm (1 1/2")	2003
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	0-12.5m, Ledge A - Gyro, 1 1/2" - 3/8" to VSI	25mm (1")	2001
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	25.0-37.5m, Ledge DE - Gyrotory, Cone, 10, 3 Cones	25mm (1")	2003

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93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	25.0-37.5m, Ledge DE - Gyro, Cone, 3/8"-1 1/2" to VSI	25mm (1")	2001
93	VULCAN MATERIALS	MANTENO, IL	50912-04	0.9-22.9m Ledge A - Jaw, Cone, 10/6, VSI	25mm (1")	2000
93	VULCAN MATERIALS	MANTENO, IL	50912-04	22.9-38.7m, Ledge D - Jaw, Cone, 10, VSI	37.5mm (1 1/2")	2004
93	VULCAN MATERIALS	MANTENO, IL	50912-04	21.9-37.8m Ledge D - Jaw, Cone, 1-1/8" Wash	25mm (1")	2000
93	VULCAN MATERIALS	MANTENO, IL	50912-04	22.9m - 38.7m - Ledge D - Jaw, Cone, 10, -3" High Speed Cone	25mm (1")	2002
93	VULCAN MATERIALS	MANTENO, IL	50912-04	0m - 22.9m - Ledge ABC - Jaw, Cone, 10, -3" High Speed Cone	25mm (1")	2002
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	0-16.8m - HSI, 6, HSI, Log	37.5mm (1 1/2")	2002
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	16.8-25.9m - HSI, 6, HSI, Log	37.5mm (1 1/2")	2002
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	25.9m - 35.1m - HSI, 6, HSI, Log	19mm (3/4")	2004
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	0m - 25.9m - HSI, 6, HSI, Log	37.5mm (1 1/2")	2004
94	CORNICK SAND &GRAVEL	PEKIN, IL	51790-15	18.3m - Below Water	19mm (3/4")*	2002
94	GALENA ROAD GRAVEL	CHILLICOTHE, IL	51430-19	Above Water - Crushed	19mm (3/4")*	2003
94	PEORIA CONC. CONST.	SPRING BAY, IL	52030-29	10.7m - 19.8m - Below Water - Partial Crush	12.5mm (1/2")*	2003
95	CASEY STONE CO.	CASEY, IL	50232-06	7.6m - HSI, RR1, 6, HSI, VSI, Log	19mm (3/4")	2004
95	CHARLESTON STONE CO.	CHARLESTON, IL	50292-02	3.5m Top Ledge - W. Pit - Jaw, HSI, Log	19mm (3/4")	2000
95	CHARLESTON STONE CO.	CHARLESTON, IL	50292-02	3.2m-Top Ledge - E. Pit - Jaw, HSI, VSI, Log	19mm (3/4")	2003
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge - Jaw, HSI, RR1, Cone, VSI, Log	19mm (3/4")	2001
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge - Jaw, HSI, Cone, VSI, Log	19mm (3/4")	2001
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge-Jaw, HSI, VSI, Log	19mm (3/4")	2002
95	INTERSTATE SAND & GR	WEST LEBANON, IN	52100-32	Above Water - Partially Crushed - Cone, Imp	19mm (3/4")*	2001
95	INTERSTATE SAND & GR	WEST LEBANON, IN	52100-32	Above Water - Blend with +3 in. (52100-36), VSI, Cone	19mm (3/4")*	2001

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95	LAWRENCE GRAVEL	DARWIN, IL	50230-07	Below Water - HSI - Not 100% crushed	19mm (3/4")*	2001
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	8.2m Bench 1 - Jaw, Imp	19mm (3/4")	2000
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	10.7m Bench 2 - Jaw, Imp	19mm (3/4")	2000
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	18.9m Benches 1 & 2 - Jaw, Imp	19mm (3/4")	2000
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	18.9m Benches 1 & 2 - RR1 to Cone	19mm (3/4")	2001
95	MARTIN MARIETTA AGG	CLOVERDALE, IN	52102-33	20.7M Ledge - Jaw, 6, HSI, 2 Cones	25mm (1")	2002
95	MATERIAL SERVICE	FAIRMOUNT, IL	51832-01	3.7m-Shaft/Pick,10,2 Cones	19mm (3/4")	2001
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	2.7m Top Ledge - E, Pit - HSI, 6, Mill, Log	12.5mm (1/2")	2002
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.0m Bottom Ledge - S. Pit - HSI, 6 Mill, Log	12.5mm (1/2")	2001
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.0m, Bottom Ledge - South Pit - HSI, RR3, 6, Mill	19mm (3/4")	2000
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.4m Bottom Ledge - East Pit - HSI, 6,Mill Log	19mm (3/4")	2001
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.4m Bottom Ledge - East Pit - HSI, Mill, Log	19mm (3/4")	2001
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	2.4m Top Ledge-East Pit - HSI, Mill, Log	12.5mm (1/2")	2002
95	ROBERTSON GRAVEL PIT	CLINTON, IN	52100-47	Below Water - Not 100% Crushed - HSI	12.5mm (1/2")*	2001
95	ROSKOVENSKY CONCRETE	CLINTON, IN	52100-14	Below Water - Cone - Not 100% Crushed	19mm (3/4")*	2003
95	S & G EXCAVATING	TERRE HAUTE, IN	52100-74	Above & Below Water - Crushed Gravel - Cone	19mm (3/4")*	2000
95	TUSCOLA STONE CO.	TUSCOLA, IL	50412-01	6th Level - Jaw, 6, VSI	19mm (3/4")	2001
95	TUSCOLA STONE CO.	TUSCOLA, IL	50412-01	Level 10A-Jaw,3",6,VSI	19mm (3/4")	2001
95	VULCAN MATERIALS	CASEY, IL	50232-02	7.6M Ledge - 2HSI, Log	25mm (1")	2004
96	CENTRAL STONE	HUNTINGTON, MO	52302-04	6.1-21.3m Ledge 2 - Kimmswick - HSI, 2 Cones, Logwasher	25mm (1")	2003
96	CENTRAL STONE	HUNTINGTON, MO	52302-04	6.1m (20') Calloway - HSI, 2 Cones, Log, Log	25mm (1")	2003

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20 Year Pavement Design

Dist	Producer Name	Location	P/S No.	Ledge Description	F-T Rating	Year Last Sampled
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Upper Ledge - HSI, 6, Mill, Cone	19mm (3/4")	2003
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Lower Ledge - HSI, 6, Mill, Cone	19mm (3/4")	2002
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Lower Ledge - HSI, No Scalp, Mill, Cone	19mm (3/4")	2003
96	NOKOMIS QUARRY	NOKOMIS, IL	51352-03	Lower Ledge - HSI, CA06, Mill	12.5mm (1/2")	2003
96	NOKOMIS QUARRY	NOKOMIS, IL	51352-03	Upper Ledge - HSI, 6, Mill	19mm (3/4")	2003
96	PANA LIMESTONE	PANA, IL	50212-04	Upper Ledge (3.0m [10']) - Imp, Mill, Imp	19mm (3/4")	2001
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m [10']) - Jaw, 8", Cone, 1", Recirc. 2 Cones	19mm (3/4")	2003
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m) - Jaw, 6, 3 Cones	19mm (3/4")	2001
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 2 (2.7m [9']) - Jaw, RR3, 3 Cones	19mm (3/4")	2001
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 6B & 7 - Jaw, No Scalp, 3 Cones	19mm (3/4")	2001
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 2 (2.7m [9']) - Jaw, RR3, 10, Cone, RR1, 2 Cones	19mm (3/4")	2003
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m[10']) - Jaw, 6, Cone, RR1, 2 Cones	19mm (3/4")	2003
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 3 (3.4m [11'])	19mm (3/4")	2002
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 4 (4.0m [13'])	19mm (3/4")	2002
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 6A (10.4m [34']) - Jaw, 10, 3 Cones	19mm (3/4")	2003
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m Ledge 3 - Jaw, 10, RR, 2 Cones	19mm (3/4")	2000
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m, Ledge 3 - Jaw, 10, Imp, Roll, Cone	19mm (3/4")	2001
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m Ledge 3 - Jaw, 10, 2 Cones	19mm (3/4")	2000
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	17.7m - 20.7m - Ledge 5 - Jaw, 10, 2 Cones	19mm (3/4")	2000
98	BEELMAN TRUCK CO.	GRANITE CITY, IL	51193-31	ACBF Slag	19mm (3/4")	2002
98	BLUFF CITY MINERAL	ALTON, IL	51192-02	7.6m Level 1 & 15.2m Level 2 - IMP, + 1" Recirc. IMP	19mm (3/4")	2002

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98	CENTRAL STONE	FLORISSANT, MO	52302-53	Benches 3-9 (28.7m [94']) - HSI,27% to Log,HSI	19mm (3/4")	2004
98	CENTRAL STONE	FLORISSANT, MO	52302-53	14.6m Bench 12-14 - HSI, No Scalp, HSI	19mm (3/4")	2001
98	COLUMBIA QUARRY CO.	COLUMBIA, IL	51632-01	Ledge A (4.3m) - HSI, 6, HSI, Cone, VSI	19mm (3/4")	2003
98	COLUMBIA QUARRY CO.	COLUMBIA, IL	51632-01	6.4m - Ledge 8 - HSI, 6, HSI, Cone, VSI	19mm (3/4")	2003
98	COLUMBIA QUARRY CO.	DUPO, IL	51632-09	3.7m - 7.9m - Above 1A & 2 - Jaw, 6, HSI, HSI, Cone	19mm (3/4")	2002
98	COLUMBIA QUARRY CO.	DUPO, IL	51632-09	3.7m - 4.3m - Above 1A & 2 - Jaw, 6, HSI, Cone	37.5mm (1 1/2")	2004
98	COLUMBIA QUARRY CO.	WATERLOO, IL	51332-04	Ledge 1-3 (18.7m) - New Pit - Jaw, 6, 5, HSI, Roll	19mm (3/4")	2002
98	FALLING SPRINGS QRY	FALLING SPRINGS, IL	51632-03	33.5m, Ledge 1B - HSI, 6, RR, HSI, VSI	37.5mm (1 1/2")	2003
98	FALLING SPRINGS QRY	FALLING SPRINGS, IL	51632-03	33.5m, Ledge 1B - HSI, RR, No Scalp, HSI, VSI	19mm (3/4")	2001
98	IRON MT. TRAP ROCK	IRON MOUNTAIN, MO	52302-33	22.9m - Ledge 1 - Jaw, 2 Cones, No Scalp	19mm (3/4")	2003
98	LEAD BELT MATERIAL	ELVINS, MO	52302-45	21.3m - Ledge 1 - Jaw, Cone	19mm (3/4")	2003
98	MARTIN MARIETTA	PERRYVILLE, MO	52302-41	9.4m, Ledge #2 - HSI, VSI, Cone - No Scalp	19mm (3/4")	2002
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	Ledge 1 (Mine) - HSI, VSI, Roll	25mm (1")	2002
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	12.2m Ledge 1 (Mine) - HSI, 3"x1.5" scalped, VSI	25mm (1")	2000
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	8.5m Ledge 1 - Old 51572-04 - HSI, VSI	25mm (1")	2003
98	MISSOURI RED QUARRY	GRANITEVILLE, MO	52302-71	11.6m Ledge - Jaw, Cone	19mm (3/4")	2003
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	77.4-96.6m - BAV - Midwest - Gyro, 10, HSI, 2 Cones	19mm (3/4")	2001
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	110.6m-124.9m - BAV- Hartline - Gyro, 10, HSI, 5, 2 Cones	19mm (3/4")	2002
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	124.9m - 141.4m - BAV - Gyro, 10, HSI, 11, 16, 21, 2 Cones	19mm (3/4")	2003
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	124.9m - 141.4m - BAV - Gyro, 10, HSI	19mm (3/4")	2003
99	DOWNEN AGG. GROUP	ROSICLARE, IL	50692-14	13.4-30.8m - Ledge B - Below Rosiclare - Jaw, 10, H. Mill, Cone	19mm (3/4")	2003

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99	DOWNEN AGG. GROUP	ROSICLARE, IL	50692-14	30.8m - 40.0m - Ledge C - Jaw, 10, Mill, Cone	19mm (3/4")	2004
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	0-12.8m, Bel, Rosiclare - Jaw, 6/10, Gyro, VSI	19mm (3/4")	2002
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	13.7m - 33.7m - Below Rosiclare - Jaw, 10, Gyro, VSI	19mm (3/4")	2003
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	0-13.7m-Below Rosiclare-Jaw,10,Gyro,VSI	19mm (3/4")	2002
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	58.5-85.6m, Ledge G - Jaw, 2 Mills	19mm (3/4")	2003
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	85.6-103.3m, Ledge H - Jaw, 2 Mills	19mm (3/4")	2003
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	103.3-125.3m, Ledge I - Jaw, 2 Mills	19mm (3/4")	2003
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	31.4m-41.8m, Ledge F1 - Jaw, 2 Mills	19mm (3/4")	2003
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge B,C,D,-6.1-22.9m Below Rosiclare - Jaw, 10, 2 Cones	19mm (3/4")	2003
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge E, 22.9-35.7m (75-117') Below Rosiclare - Jaw, 10, 2 Cones	19mm (3/4")	2000
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge F, G, H, I - 35.7-57.3m Below Rosiclare - Jaw, 10, 2 cones	19mm (3/4")	2000
99	MARTIN MARIETTA ROS	SHETLERVILLE, IL	50692-09	13.4-35.1m (44-115') Below Rosiclare S.S. - 2 Cones	19mm (3/4")	2003
99	MARTIN MARIETTA ROS	SHETLERVILLE, IL	50692-09	35.1-55.8m Below Rosiclare S.S. - No Scalping	19mm (3/4")	2003
99	SOUTHERN ILL.STONE	BUNCOMBE, IL	50872-03	6.7m - 14.0m - Lower Middle - HSI, 6, 2 HSI, VSI	19mm (3/4")	2003
99	VULCAN MATERIALS	GILBERTSVILLE, KY	52502-03	Bench 4 (33.8-53.9m [111-177']) - Jaw, 90-lb.RR, Cone, 6, Cone	19mm (3/4")	2003
99	VULCAN MATERIALS	GILBERTSVILLE, KY	52502-03	Bench 7 - 95.4 - 114.9m - Jaw, 125-lb.RR, Cone, 6, Cone	19mm (3/4")	2003

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Where Specified

Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	30 Year			
							5	7	11	14
91	BAKLEY CONST. CORP.	HUNTLEY, IL	51110-28	Above Water	2001	19mm (3/4")	N	N	Y	Y
91	BAKLEY CONST. CORP.	HUNTLEY, IL	51110-28	Above & Below Water	2001	19mm (3/4")	N	N	Y	Y
91	BASS SAND & GRAVEL	HEBRON, WI	52400-27	Above & Below Water	2002	19mm (3/4")	N	N	N	Y
91	BEEEMSTERBOER SLAG	E. CHICAGO, IN	52103-21	ACBF Slag	2000	12.5mm (1/2")	N	N	N	Y
91	BEVERLY MATL'S, INC	ELGIN, IL	50890-22	Below Water – Crushed Gravel	2001	19mm (3/4")	N	N	Y	Y
91	BEVERLY MATL'S, INC	ELGIN, IL	50890-22	Above Water-West Pit-Crushed Gravel	2004	19mm (3/4")	N	N	Y	Y
91	BEVERLY MATL'S, INC	ELGIN, IL	50890-22	Above Water - West Pit	2003	19mm (3/4")	N	N	N	Y
91	BEVERLY MATL'S, INC.	HUNTLEY, IL	51110-41	0m - 6.1m - Above Water - Jaw, Cone - Partial Crush	2003	19mm (3/4")	N	N	Y	Y
91	BEVERLY MATL'S, INC.	HUNTLEY, IL	51110-41	0m - 4.3m - Below Water - Jaw, Cone - Partial Crush	2003	19mm (3/4")	N	N	Y	Y
91	BEVERLY MATL'S, INC.	HUNTLEY, IL	51110-41	6.1m Above & 4.3m Below Water - Jaw, Cone - Crushed Gravel	2003	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	BARTLETT, IL	50310-09	Above Water	2002	19mm (3/4")	N	N	N	Y
91	BLUFF CITY MATERIALS	BARTLETT, IL	50310-09	Above & Below Water - HSI @ 50890-08 - Partial Crush	2004	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	BARTLETT, IL	50430-11	Above Water	2002	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	BARTLETT, IL	50430-11	Above Water - +1" Recirc. HSI - Crushed Gravel	2002	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	BARTLETT, IL	50430-11	Below Water	2002	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	ELGIN, IL	50310-07	Above & Below Water - Jaw, HSI @ 50430-11 - Partial Crush	2003	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	ELGIN, IL	50310-07	Above & Below Water - HSI - Partial Crush	2004	19mm (3/4")	N	N	Y	Y
91	BLUFF CITY MATERIALS	ELGIN, IL	50310-07	Above & Below Water - HSI - Crushed Gravel	2004	19mm (3/4")	N	N	Y	Y
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Above & Below Water	2003	19mm (3/4")	N	N	Y	Y
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Below Water - Jaw, VSI - Crushed Gravel	2003	19mm (3/4")	N	N	Y	Y

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							5	7	11	14
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Above Water - Jaw, VSI - Crushed Gravel	2003	19mm (3/4")	N	N	Y	Y
91	CARPENTERSVILLE Q.	CARPENTERSVILLE, IL	50890-10	Below Water	2003	19mm (3/4")	N	N	Y	Y
91	CEDAR LAKE S. & G.	HARTFORD, WI	52400-39	Above Water - Jaw, Cone, Roll, not 100% Crushed	2003	19mm (3/4")	N	N	Y	Y
91	CONCO WESTERN STONE	N. AURORA, IL	50892-01	78.0-85.0m ledge - Jaw, HSI	2001	25mm (1")	N	Y	Y	Y
91	ELMHURST CHICAGO ST.	ROMEOVILLE, IL	51972-10	0-15.2m Ledge - Jaw, 6, HSI, 2 VSI	2001	25mm (1")	N	Y	Y	Y
91	ELMHURST CHICAGO ST.	ROMEOVILLE, IL	51972-10	15.2m - 24.4m - Jaw, 6, HSI, 2VSI	2002	25mm (1")	N	Y	Y	Y
91	FELTES SAND & GRAVEL	ELBURN, IL	50890-27	Above & Below Water - Jaw - Partial Crush	2003	19mm (3/4")	N	N	N	Y
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-10.4m (0-34') - Jaw, 3 Cones	2002	19mm (3/4")	N	N	Y	Y
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-12.5m - Jaw, 6, +3" Triple Roll	2001	19mm (3/4")	N	N	Y	Y
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-12.5m - Jaw, 6 to Simplicity Screen	2001	19mm (3/4")	N	N	Y	Y
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	88.4-96.0m, Mine - Jaw, Cage, Roll	2004	25mm (1")	N	Y	Y	Y
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	88.4-96.0m, Mine - Jaw, -1 1/2" Processed	2002	25mm (1")	N	Y	Y	Y
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	96.0-103.6m, Mine - Jaw, Cage, Roll	2004	25mm (1")	N	Y	Y	Y
91	KANELAND S & G	KANEVILLE, IL	50890-50	Above Water	2001	19mm (3/4")	N	N	Y	Y
91	LAFARGE CORP.	ONTARIO, CA	52352-01	0m - 15.2m - Dolomite - Gyro Cone, Cone, Roll	2004	19mm (3/4")	N	N	Y	Y
91	LEVY COMPANY	BURNS HARBOR, IN	52103-10	ACBF Slag	2000	12.5mm (1/2")	N	N	N	Y
91	LEVY COMPANY	E. CHICAGO, IN	52103-11	ACBF Slag	2000	25mm (1")	N	Y	Y	Y
91	MANN BROS., INC.	EAST TROY, WI	52400-50	Above Water - Jaw, Cone, Roll - Not 100% Crushed	2004	19mm (3/4")	N	N	Y	Y
91	MANN BROS., INC.	EAST TROY, WI	52400-51	Above Water - Jaw, Cone, Roll - Not 100% Crushed	2004	19mm (3/4")	N	N	Y	Y
91	MATERIAL SERVICE	ALGONQUIN, IL	51110-12	Above & Below Water	2000	19mm (3/4")	N	N	Y	Y
91	MATERIAL SERVICE	JOLIET, IL	51970-39	Above Water - Jaw, Cone - Crushed Gravel	2003	19mm (3/4")	N	N	N	Y

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							5	7	11	14
91	MATERIAL SERVICE	JOLIET, IL	51970-39	Above Water - Jaw - Crushed Gravel	2002	12.5mm (1/2")	N	N	N	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0-9.1m- Level #1- EMD- Main Plant	2001	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0-9.1m (0-30')- Level #1- EMD- Chip Plant	2001	19mm (3/4")	N	N	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	9.1-18.3m (30-60')- Level #2- EMD- Main Plant	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	9.1-18.3m (30-60')- Level #2- EMD- Chip Plant	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	18.3-27.4m (60-90')- Level #3- EMD- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	18.3-27.4m (60-90')- Level #3- EMD- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	27.4-36.5m- Level #4- EMD - Main	2000	25mm (1")	N	N	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	27.4-36.5m- Level #4-EMD - Chip	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	36.5-46.3m (120-152')- Level #5- EMD- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	36.5-46.3m (120-152')- Level #5- EMD- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0.0-18.3m-Level 1 & 2-EMD-Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0.0-18.3m-Level 1 & 2-EMD-Main Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LYONS, IL	50312-18	0-7.4m (0-24') Level	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LYONS, IL	50312-18	Level #7- 73.8-82.9m	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	ROMEOVILLE, IL	51972-02	0-41.1m - Pierce Quarry	2001	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	THORNTON, IL	50312-04	112.8-118.9m Ledge	2001	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	THORNTON, IL	50312-04	0m - 105.8m - Lev. 1-3 - Gyro, Log, Cone	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	THORNTON, IL	50312-04	22.9m - 76.2m - Gyro, Log, Cone	2004	25mm (1")	N	Y	Y	Y
91	MEYER MATERIAL CO	TWIN LAKES, WI	52400-44	Above Water - Screened & Crushed, Jaw, Roll	2002	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	ALGONQUIN, IL	51110-07	Above & Below Water	2000	19mm (3/4")	N	N	Y	Y

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Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	30 Year			
							5	7	11	14
91	MEYER MATERIAL CO.	ALGONQUIN, IL	51110-42	Above Water	2001	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Below Water - Crushed & Screened	2003	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Below Water - Jaw, -1" to Wash Plant	2003	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Above Water - Screened Only	2001	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	HARVARD, IL	51110-45	Above & Below Water - Jaw, -1" to Wash Plant	2003	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	LILYMOOR, IL	51110-10	Above Water	2000	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	MARENGO, IL	51110-03	Above & Below Water – Crushed & Screened	2003	19mm (3/4")	N	N	N	Y
91	MEYER MATERIAL CO.	MCHENRY, IL	51110-11	Crushed Gravel	2002	19mm (3/4")	N	N	Y	Y
91	MEYER MATERIAL CO.	MCHENRY, IL	51110-11	Above Water - Partial Crush	2004	19mm (3/4")	N	N	Y	Y
91	PAYNE & DOLAN, INC.	ROCHESTER, WI	52400-42	Above Water - Jaw,Cone,VSI,Roll-Screened & Crushed	2002	19mm (3/4")	N	N	Y	Y
91	PETERS, J.W. & SONS	BURLINGTON, WI	52400-36	Above Water - Crushed & Screened	2001	19mm (3/4")	N	N	Y	Y
91	PRAIRIE MATERIAL	ELGIN, IL	50892-05	7.6-19.8m Face - Cone, VSI	2000	19mm (3/4")	N	N	Y	Y
91	PRAIRIE MATERIAL	KANEVILLE, IL	50890-37	Below Water - Jaw, HSI - Not 100% Crushed	2002	19mm (3/4")	N	N	Y	Y
91	THELEN SAND & GRAVEL	ANTIOCH, IL	50970-01	6.1m Above Water - Jaw, Jaw, Cone - Partial Crush	2004	19mm (3/4")***	N	N	Y	N
91	VULCAN MATERIALS	JOLIET, IL	51972-19	0-18.3m Ledge - Jaw, 6, Cone, 1, 2", VSI	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	18.3-36.6m Ledge - Jaw, 6, Cone, 1, 2", VSI	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	0-36.6m Ledge - Jaw, 6, Cone, 1, 2", VSI	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	36.6m - 42.6m - Jaw, 6, Cone, VSI	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m-Level 1- Hodgkins- Sand Plant	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m- Level 1- Hodgkins- Main Plant	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m-Level 1- Hodgkins- Chip Plant	2001	25mm (1")	N	Y	Y	Y

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							<i>5</i>	<i>7</i>	<i>11</i>	<i>14</i>
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Main Plant	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Chip Plant	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Sand Plant	2003	25mm (1")	N	Y	N	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	152.4-135.6m- Level 3- Hodgkins- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	152.4-135.6m- Level 3- Hodgkins- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	135.6-120.4m-Level 4- Hodgkins- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	135.6-120.4m- Level 4- Hodgkins- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	120.4-106.7m- Level 5- Hodgkins- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	120.4-106.7m- Level 5- Hodgkins- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	115.8-105.2m- Below Red - NE Side- Main Plant	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Main Plant	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	75/25 Blend-Level 1 & New B - Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Chip Plant	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Sand Plant	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0-21.3m - Jaw, 1"x3", 7, HSI, 6, Cone, VSI	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0m - 18.9m - Jaw, 1"x3", 7, HSI, 6, Cone, VSI	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0m - 18.9m - Jaw, 1"x3", 7, HSI, VSI	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	RACINE, WI	52402-01	68.3-79.2m - Gyro, 6, Cone, VSI	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	0-33.5m (0-110') Face	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	9.1-33.5m Face- Jaw, 6, 3 Cones	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	64.5m - 56.7m- Upper Mine - Jaw, 6, 2 Cones	2004	25mm (1")	N	Y	Y	Y

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91	VULCAN MATERIALS	SUSSEX, WI	52402-64	20.4-30.5m - Jaw, 6, HSI, VSI	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	SUSSEX, WI	52402-64	0-20.4m - Jaw, 6, HSI, VSI	2003	25mm (1")	N	Y	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0-21.3m (0-70') - Jaw, 10, plus 22.2mm (+7/8") Mill/2 Rolls	2002	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0-21.3m - Jaw, 6, plus 1" Mill, D. Roll	2001	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0m - 21.3m - Jaw, 10, HSI, Recirc.Roll	2002	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	12.2m - 21.3m - Jaw, 10, HSI, Recirc.Roll	2003	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	12.2m - 21.3m - HSI, 10, HSI, Recirc. Roll	2003	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	WOOSUNG, IL	51412-71	Plus 5.5m-13.7m - Jaw, 10, Recirc. Imp	2003	19mm (3/4")	N	N	Y	Y
92	BOB PROPHETER AGG	DIXON, IL	51032-73	4.6-19.8m - Jaw, 10, Cone, Recirc. T.Roll	2002	19mm (3/4")	N	N	Y	Y
92	BOB PROPHETER AGG	DIXON, IL	51032-73	4.6m - 19.8m - Jaw, Cone, Recirc. VSI	2004	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	9.1-21.3m - HSI, 10, Recirc. Mill, HSI	2001	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	9.1-21.3m - HSI, 10, Recirc. Mill, Mill	2001	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	11.3m - 23.5m - HSI, 10, Recirc.HSI	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	2.5m - 23.5m - HSI, 10, Recirc. HSI	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, 10, Recirc. HSI	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	2.5m - 23.5m - HSI, Recirc.HSI, Wash	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	11.3m - 23.5m - HSI, Recirc. HSI, Wash	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, Recirc. HSI, Wash	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, 10 to Wash Plant	2004	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	FREEPOR, IL	51772-28	15.2m - 30.5m - HSI, 10, HSI, 16, Recirc. HSI	2004	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ORANGEVILLE, IL	51772-27	0-15.2m (0-50') Ledge - HSI, 10, +2" Mill, +1-2" Recirc., HSI	2001	19mm (3/4")	N	N	N	Y

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							5	7	11	14
92	CONMAT, INC.	STOCKTON, IL	50852-67	0m-15.2m - Jaw, 10, 2 Mills	2002	19mm (3/4")	N	N	Y	Y
92	COX, R.E.	LENA, IL	51772-04	0-15.2m (0-50') - Jaw, 10, plus 37.5mm (+1 1/2") to Mill	2001	19mm (3/4")	N	N	Y	Y
92	COX, R.E.	LENA, IL	51772-04	+3.0m - 0m - Jaw, +1 1/2" Scalp, Recirc.Mill	2003	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FORRESTON, IL	51412-58	15.2-27.4m - HSI, 6, Recirc., HSI	2001	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FORRESTON, IL	51412-58	+3.1m - 15.2m -HSI, 6, Recirc., HSI	2002	19mm (3/4")	N	N	N	Y
92	FISCHER EXCAVATING	FREEPORT, IL	51772-51	0-9.1m Face - HSI, HSI	2001	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FREEPORT, IL	51772-51	0-9.1m Face - HSI, 6, HSI	2001	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FREEPORT, IL	51772-51	0-9.1m - HSI, 6" to 2", 10, Recirc.HSI	2003	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	GALENA, IL	50852-93	0m - 15.2m - HSI, 10, HSI	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	LEE CENTER, IL	51032-30	0-18.3m Ledge - Jaw, 10, VSI, Recirc. VSI	2000	19mm (3/4")	N	N	N	Y
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m-12.2m - HSI, 6, HSI	2002	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m - 12.2m - Imp, 10, Recirc. Imp	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m - 12.2m - Imp, No Scalp, Recirc. Imp	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MT. CARROLL, IL	50152-16	+7.7m-15.2m - HSI, 10, HSI	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	STOCKTON, IL	50852-20	0m - 18.3m - HSI, 10, Recirc. HSI	2004	19mm (3/4")	N	N	Y	Y
92	LARSON, E., INC.	CORTLAND, IL	50372-02	54.8m - 69.1m-HSI, 6, Mill, 21, HSI	2002	25mm (1")	N	Y	Y	Y
92	LARSON, E., INC.	CORTLAND, IL	50372-02	69.1m - 82.8m - HSI, 6, VSI, 21, HSI	2004	25mm (1")	N	Y	Y	Y
92	LEE, CHARLES & SON	IRENE, IL	50072-02	0-26.2m - Jaw, 6, Mill, VSI	2004	19mm (3/4")	N	N	Y	Y
92	LINWOOD MINING	LINWOOD, IA	52202-08	6.1m, Lower Level - Otis - Mill, Cone - Mine	2001	19mm (3/4")	N	N	Y	Y
92	LINWOOD MINING	LINWOOD, IA	52202-08	6.1m - Lower Level - Otis - Imp, Cone	2003	19mm (3/4")	N	N	Y	Y
92	LOBERG EXCAVATING	FREEPORT, IL	51772-08	0-9.1m -Jaw,10,Recirc.,HSI	2003	19mm (3/4")	N	N	Y	Y

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92	LOUIE'S AGGREGATE CO	GILFORD, IL	50852-90	0m - 13.7m - HSI, 10, HSI	2004	19mm (3/4")	N	N	Y	Y
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	12.2-30.5m (40-100') - Jaw, 10, Cone, Triple Roll (Recirc.)	2000	19mm (3/4")	N	N	Y	Y
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	0-30.5m(0-100') - Imp, Cone, 10, Recirc. Cone	2002	19mm (3/4")	N	N	Y	Y
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	0m - 30.5m - Imp, 10, 2 Cones, Recirc. Cone	2003	19mm (3/4")	N	N	Y	Y
92	MARTIN MATERIALS	OREGON, IL	51412-34	Plus 4.6m (+15') to minus 18.3m (-60') - HSI, 10, HSI	2002	19mm (3/4")	N	N	Y	Y
92	MARTIN MATERIALS	OREGON, IL	51412-34	Plus 4.6m - 18.3m - HSI, 2, Recirc. HSI	2002	19mm (3/4")	N	N	Y	Y
92	NORTHERN IL SERVICE	ROCKFORD, IL	52012-30	9.8 - 15.9m Ldg. #2 - HSI, 6, HSI	2000	19mm (3/4")	N	N	Y	Y
92	NORTHERN MATERIALS	NEW MILFORD, IL	52012-52	0m - 7.9m - Jaw, HSI	2003	19mm (3/4")	N	N	Y	Y
92	PRAIRIE MATERIAL	DIXON, IL	51032-80	3.7-11.0m - Butler Pit - Imp, 10, Recirc. Imp	2002	12.5mm (1/2")	N	N	N	Y
92	RIVERSIDE QRY & BLKTP	WACKER, IL	50152-92	15.2 - 24.4m - Imp, 10, + 7/8" HSI	2000	19mm (3/4")	N	N	Y	Y
92	RIVERSIDE QRY & BLKTP	WACKER, IL	50152-92	0-24.4m Face - Imp, 10, +7/8" HSI	2004	19mm (3/4")	N	N	Y	Y
92	RIVERSTONE GROUP, INC	CLEVELAND, IL	50732-12	2nd Ledge - 7.6m - 18.3m - IMP, Cone	2003	25mm (1")	N	Y	Y	Y
92	RIVERSTONE GROUP, INC	CLEVELAND, IL	50732-12	3rd Ledge - 18.3m - 30.7m - Imp, Cone	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP, INC	CLEVELAND, IL	50732-12	9th Ledge, 77.7-91.4m - Imp, 2 Cones	2001	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP, INC	CLEVELAND, IL	50732-12	3rd & 4th Ledge - 18.3m - 38.1m - IMP, Cone, Log	2004	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP, INC	LECLAIRE, IA	52202-10	61.0m - 79.3m - Ledge 5 - N. of Fault - HSI, HSI	2003	19mm (3/4")	N	N	Y	Y
92	RIVERSTONE GROUP, INC	MCCAUSLAND, IA	52202-16	0-13.7m - Level 1 - HSI, HSI, Oversize, 6, Rescreened	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP, INC	MCCAUSLAND, IA	52202-16	27.4m - 45.7m - Ledge 3 - 2 HSI, Log	2003	25mm (1")	N	Y	Y	Y
92	RIVERSTONE GROUP, INC	MILAN, IL	51612-31	5th, 6th, & 7th Ledge, 25.3-52.7m - Silurian-Jaw, HSI, Cone	2002	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP, INC	MILAN, IL	51612-31	9th Ledge, 64.9m - 77.1m - Jaw, HSI, Cone	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP, INC	OSBORN, IL	51612-23	1st & 2nd Ledges-0m-9.1m-Jaw, HSI, Cone	2002	37.5mm (1 1/2")	Y	Y	Y	Y

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							5	7	11	14
92	RIVERSTONE GROUP,INC	OSBORN, IL	51612-23	3rd Ledge - 9.1m - 21.3m - Jaw, HSI	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	ROCKFORD SAND & GRAV	BELVIDERE, IL	50072-01	1.8m-26.5m (4-87') Face	2002	25mm (1")	N	Y	Y	Y
92	ROCKFORD SAND & GRAV	LOVES PARK, IL	52012-69	51.7 - 64.3m Ldg. #4 - HSI, 6, VSI	2000	19mm (3/4")	N	N	Y	Y
92	ROCKFORD SAND & GRAV	LOVES PARK, IL	52012-69	64.3-75.3m, Ldg. #5 - HSI, 6, VSI	2000	19mm (3/4")	N	N	Y	Y
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52012-45	19.2-28.0m - Jaw, FA6, VSI	2003	19mm (3/4")	N	N	Y	Y
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52012-77	6.1-26.8m (20-88') - Jaw, CA06, VSI	2003	25mm (1")	N	Y	Y	Y
92	ROGERS R-M & MATLS.	BYRON, IL	51412-32	15.2m - 26.0m - HSI, 10, Recirc.HSI	2004	19mm (3/4")	N	N	Y	Y
92	ROGERS R-M & MATLS.	CHERRY VALLEY, IL	52012-31	0-12.2m (0-40')	2003	25mm (1")	N	Y	Y	Y
92	ROGERS R-M & MATLS.	CHERRY VALLEY, IL	52012-31	12.6-26.5m - 6, HSI, 11, HSI - Stockpile Approved	2003	19mm (3/4")	N	N	Y	Y
92	SCHLICHTING & SONS	BELVIDERE, IL	50072-15	0m - 25.6m - HSI, 6, HSI	2003	19mm (3/4")	N	N	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0.0-40.2m -Gyro, 6, +3", 3 Cones	2004	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-64.6m - Gyro, 3", 6, 3 cones	2002	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0m - 40.2m - Gyro, 3", 6 to Wash Plant	2003	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0-40.2m - HSI, 2 cones	2001	19mm (3/4")	N	N	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-46.3m - Gyro, 3", 6, 3 Cones	2002	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-64.6m-Gyro, 3", 6 to Wash Plant	2001	25mm (1")	N	Y	Y	Y
92	WENDLING QUARRIES	MT. CARROLL, IL	50152-74	18.0-31.7m - Impactor, T.Roll, Hammermill	2004	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	0-24.4m - Jaw, RR1, Cone, 6, Roll - Dolomite	2000	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	0-24.4m - Jaw, Cone, Roll - Dolomite	2002	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	24.4-32.0m - Jaw, Cone, Roll - Dolomite	2003	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	32.0m - 39.6m - Jaw, RR1, 6, Cone, Roll	2004	19mm (3/4")	N	N	Y	Y

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							5	7	11	14
93	PRAIRIE MATERIAL	FAIRBURY, IL	51052-15	3.7m (12') Ledge - HSI, Washer	2001	25mm (1")	N	Y	Y	Y
93	PRAIRIE MATERIAL	FAIRBURY, IL	51052-15	3.7m Ledge - 2 HSI	2004	25mm (1")	N	Y	Y	Y
93	PRAIRIE MATERIAL	MANTENO, IL	50912-06	1.8-19.8m Ledge A - Jaw, 10, 2 Cones	2004	37.5mm (1 1/2")	Y	Y	Y	Y
93	PRAIRIE MATERIAL	OCOYA, IL	51052-09	6.5m - 51052-16 - Imp, Mill, Imp	2002	12.5mm (1/2")	N	N	N	Y
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	6.7m - 18.3m - Ledge 3 - 2 Impactors, Log	2003	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	18.3m - 33.5m - Ledge 4 - HSI, HSI, VSI, Log	2003	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	6.7m - 18.3m - Ledge 3 - HSI, HSI, VSI, Log	2003	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m (0-60') - HSI, plus 37.5mm (+1 1/2") to minus 100mm (-4") HSI, Log	2002	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m - 2 HSI, VSI, LOG	2001	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m - HSI, -1" Log, +1" HSI, -1"Log, Recirc. VSI, Log	2000	19mm (3/4")	N	N	Y	Y
93	SPICER GRAVEL CO.	MARSEILLES, IL	50990-32	15.2m Below Water - + 1 1/8" Imp - Not 100% Crushed	2000	19mm (3/4")*	N	N	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	0.9-16.2m Level 1 - Hannah 2 - Jaw, 10, 6, 2 Cones	2000	25mm (1")	N	Y	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	16.2-31.4m Level 2 - Hannah 2 - Jaw, 10, 6, 2 Cones	2000	25mm (1")	N	Y	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	31.4m - 46.6m - Level 3 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	2004	19mm (3/4")	N	N	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	16.2m - 31.4m - Level 2 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	2004	19mm (3/4")	N	N	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	0.9m - 16.2m - Level 1 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	2004	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	0-36.6m - Jaw, 6, 1"x3", Cone, + 1" Recirc. HSI	2000	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	0-36.6m - Jaw, RR1, 6, Cone, HSI	2003	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	36.6m-45.7m-Jaw, 3, 6, Cone, VSI	2002	19mm (3/4")	N	N	Y	Y

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							5	7	11	14
93	VALLEY RUN STONE	LISBON, IL	50932-02	36.6 - 45.7m - Jaw, RR1, 6, Cone, Imp	2003	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	0m - 45.7m - Jaw, 6, RR1, Cone, Imp	2004	19mm (3/4")	N	N	Y	Y
93	VALLEY VIEW INDUST.	FAIRBURY, IL	51052-03	Ledge A - Recirc. HSI	2001	19mm (3/4")	N	N	Y	Y
93	VALLEY VIEW INDUST.	FAIRBURY, IL	51052-03	6m Face - HSI, Wash	2004	19mm (3/4")	N	N	Y	Y
93	VALLEY VIEW INDUST.	OCOYA, IL	51052-13	4.9m (16') Ledge - 2 Impactors, CA10 Scalped	2003	19mm (3/4")	N	N	Y	Y
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	158.5-147.5m, Ledge 5 & 6 - Jaw, Cone, VSI	2001	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	180.1m - 147.5m - Ledges 3 -7 - Jaw, Cone, Cone, VSI	2003	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	195.4m - 180.1m - Ledge 8 - Jaw, Cone, Cone, VSI	2004	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	0-12.5m, Ledge A - Gyro, Cone, 10, 3 cones	2003	37.5mm (1 1/2")	Y	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	0-12.5m, Ledge A - Gyro, 1 1/2" - 3/8" to VSI	2001	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	25.0-37.5m, Ledge DE - Gyro, Cone, 10, 3 Cones	2003	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	25.0-37.5m, Ledge DE - Gyro, Cone, 3/8"-1 1/2" to VSI	2001	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	0.9-22.9m Ledge A - Jaw, Cone, 10/6, VSI	2000	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	22.9-38.7m, Ledge D - Jaw, Cone, 10, VSI	2004	37.5mm (1 1/2")	Y	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	21.9-37.8m Ledge D - Jaw, Cone, 1-1/8" Wash	2000	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	22.9m - 38.7m - Ledge D - Jaw, Cone, 10, -3" High Speed Cone	2002	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	0m - 22.9m - Ledge ABC - Jaw, Cone, 10, -3" High Speed Cone	2002	25mm (1")	N	Y	Y	Y
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	0-16.8m - HSI, 6, HSI, Log	2002	37.5mm (1 1/2")	Y	Y	Y	Y
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	16.8-25.9m - HSI, 6, HSI, Log	2002	37.5mm (1 1/2")	Y	Y	Y	Y
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	25.9m - 35.1m - HSI, 6, HSI, Log	2004	19mm (3/4")	N	N	Y	Y

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93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	0m - 25.9m - HSI, 6, HSI, Log	2004	37.5mm (1 1/2")	Y	Y	Y	Y
94	CORNICK SAND &GRAVEL	PEKIN, IL	51790-15	18.3m - Below Water	2002	19mm (3/4")*	N	N	N	Y
94	GALENA ROAD GRAVEL	CHILLICOTHE, IL	51430-19	Above Water – Crushed	2003	19mm (3/4")*	N	N	Y	Y
95	CASEY STONE CO.	CASEY, IL	50232-06	7.6m - HSI, RR1, 6, HSI, VSI, Log	2004	19mm (3/4")	N	N	N	Y
95	CHARLESTON STONE CO.	CHARLESTON, IL	50292-02	3.5m Top Ledge - W. Pit - Jaw, HSI, Log	2000	19mm (3/4")	N	N	Y	Y
95	CHARLESTON STONE CO.	CHARLESTON, IL	50292-02	3.2m-Top Ledge - E. Pit - Jaw, HSI, VSI, Log	2003	19mm (3/4")	N	N	Y	Y
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge - Jaw, HSI, RR1, Cone, VSI, Log	2001	19mm (3/4")	N	N	Y	Y
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge - Jaw, HSI, Cone, VSI, Log	2001	19mm (3/4")	N	N	Y	Y
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge-Jaw, HSI, VSI, Log	2002	19mm (3/4")	N	N	Y	Y
95	INTERSTATE SAND & GR	WEST LEBANON, IN	52100-32	Above Water - Partially Crushed - Cone, Imp	2001	19mm (3/4")*	N	N	N	Y
95	INTERSTATE SAND & GR	WEST LEBANON, IN	52100-32	Above Water - Blend with +3 in. (52100-36), VSI, Cone	2001	19mm (3/4")*	N	N	Y	Y
95	LAWRENCE GRAVEL	DARWIN, IL	50230-07	Below Water - HSI - Not 100% crushed	2001	19mm (3/4")*	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	8.2m Bench 1 - Jaw, Imp	2000	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	10.7m Bench 2 - Jaw, Imp	2000	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	18.9m Benches 1 & 2 - Jaw, Imp	2000	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	18.9m Benches 1 & 2 - RR1 to Cone	2001	19mm (3/4")	N	N	Y	Y
95	MARTIN MARIETTA AGG	CLOVERDALE, IN	52102-33	20.7M Ledge - Jaw, 6, HSI, 2 Cones	2002	25mm (1")	N	Y	Y	Y
95	MATERIAL SERVICE	FAIRMOUNT, IL	51832-01	3.7m-Shaft/Pick,10,2 Cones	2001	19mm (3/4")	N	N	Y	Y
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.0m, Bottom Ledge - South Pit - HSI, RR3, 6, Mill	2000	19mm (3/4")	N	N	Y	Y
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.4m Bottom Ledge - East Pit - HSI, 6,Mill Log	2001	19mm (3/4")	N	N	N	Y
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.4m Bottom Ledge - East Pit - HSI, Mill, Log	2001	19mm (3/4")	N	N	Y	Y

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95	ROSKOVENSKY CONCRET	CLINTON, IN	52100-14	Below Water - Cone - Not 100% Crushed	2003	19mm (3/4")*	N	N	N	Y
95	S & G EXCAVATING	TERRE HAUTE, IN	52100-74	Above & Below Water - Crushed Gravel - Cone	2000	19mm (3/4")*	N	N	Y	Y
95	TUSCOLA STONE CO.	TUSCOLA, IL	50412-01	6th Level - Jaw, 6, VSI	2001	19mm (3/4")	N	N	Y	Y
95	TUSCOLA STONE CO.	TUSCOLA, IL	50412-01	Level 10A-Jaw,3",6,VSI	2001	19mm (3/4")	N	N	Y	Y
95	VULCAN MATERIALS	CASEY, IL	50232-02	7.6M Ledge - 2HSI, Log	2004	25mm (1")	N	Y	Y	Y
96	CENTRAL STONE	HUNTINGTON, MO	52302-04	6.1-21.3m Ledge 2 - Kimmswick - HSI, 2 Cones, Logwasher	2003	25mm (1")	N	Y	Y	Y
96	CENTRAL STONE	HUNTINGTON, MO	52302-04	6.1m (20') Calloway - HSI, 2 Cones, Log, Log	2003	25mm (1")	N	Y	Y	Y
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Upper Ledge - HSI, 6, Mill, Cone	2003	19mm (3/4")	N	N	Y	Y
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Lower Ledge - HSI, 6, Mill, Cone	2002	19mm (3/4")	N	N	N	Y
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Lower Ledge - HSI, No Scalp, Mill, Cone	2003	19mm (3/4")	N	N	N	Y
96	NOKOMIS QUARRY	NOKOMIS, IL	51352-03	Upper Ledge - HSI, 6, Mill	2003	19mm (3/4")	N	N	Y	Y
96	PANA LIMESTONE	PANA, IL	50212-04	Upper Ledge (3.0m [10']) - Imp, Mill, Imp	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m [10']) - Jaw, 8", Cone, 1", Recirc. 2 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m) - Jaw, 6, 3 Cones	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 2 (2.7m [9']) - Jaw, RR3, 3 Cones	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 6B & 7 -Jaw, No Scalp, 3 Cones	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 2 (2.7m [9']) - Jaw, RR3, 10, Cone, RR1, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m[10']) - Jaw, 6, Cone, RR1, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 3 (3.4m [11'])	2002	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 4 (4.0m [13'])	2002	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 6A (10.4m [34']) - Jaw, 10, 3 Cones	2003	19mm (3/4")	N	N	Y	Y

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97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m Ledge 3 - Jaw, 10, RR, 2 Cones	2000	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m, Ledge 3 - Jaw, 10, Imp, Roll, Cone	2001	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m Ledge 3 - Jaw, 10, 2 Cones	2000	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	17.7m - 20.7m - Ledge 5 - Jaw, 10, 2 Cones	2000	19mm (3/4")	N	N	Y	Y
98	BEELMAN TRUCK CO.	GRANITE CITY, IL	51193-31	ACBF Slag	2002	19mm (3/4")	N	N	Y	Y
98	BLUFF CITY MINERAL	ALTON, IL	51192-02	7.6m Level 1 & 15.2m Level 2 - IMP, + 1" Recirc. IMP	2002	19mm (3/4")	N	N	Y	Y
98	CENTRAL STONE	FLORISSANT, MO	52302-53	14.6m Bench 12-14 - HSI, No Scalp, HSI	2001	19mm (3/4")	N	N	Y	Y
98	CENTRAL STONE	FLORISSANT, MO	52302-53	Benches 3-9 (28.7m [94']) - HSI, 27% to Log, HSI	2004	19mm (3/4")	N	N	Y	Y
98	COLUMBIA QUARRY CO.	COLUMBIA, IL	51632-01	Ledge A (4.3m) - HSI, 6, HSI, Cone, VSI	2003	19mm (3/4")	N	N	Y	Y
98	COLUMBIA QUARRY CO.	COLUMBIA, IL	51632-01	6.4m - Ledge 8 - HSI, 6, HSI, Cone, VSI	2003	19mm (3/4")	N	N	N	Y
98	COLUMBIA QUARRY CO.	DUPO, IL	51632-09	3.7m - 7.9m - Above 1A & 2 - Jaw, 6, HSI, HSI, Cone	2002	19mm (3/4")	N	N	Y	Y
98	COLUMBIA QUARRY CO.	DUPO, IL	51632-09	3.7m - 4.3m - Above 1A & 2 - Jaw, 6, HSI, Cone	2004	37.5mm (1 1/2")	Y	Y	Y	Y
98	COLUMBIA QUARRY CO.	WATERLOO, IL	51332-04	Ledge 1-3 (18.7m) - New Pit - Jaw, 6, 5, HSI, Roll	2002	19mm (3/4")	N	N	Y	Y
98	FALLING SPRINGS QRY	FALLING SPRINGS, IL	51632-03	33.5m, Ledge 1B - HSI, 6, RR, HSI, VSI	2003	37.5mm (1 1/2")	Y	Y	Y	Y
98	FALLING SPRINGS QRY	FALLING SPRINGS, IL	51632-03	33.5m, Ledge 1B - HSI, RR, No Scalp, HSI, VSI	2001	19mm (3/4")	N	N	Y	Y
98	IRON MT. TRAP ROCK	IRON MOUNTAIN, MO	52302-33	22.9m - Ledge 1 - Jaw, 2 Cones, No Scalp	2003	19mm (3/4")	N	N	Y	Y
98	LEAD BELT MATERIAL	ELVINS, MO	52302-45	21.3m - Ledge 1 - Jaw, Cone	2003	19mm (3/4")	N	N	Y	Y
98	MARTIN MARIETTA	PERRYVILLE, MO	52302-41	9.4m, Ledge #2 - HSI, VSI, Cone - No Scalp	2002	19mm (3/4")	N	N	N	Y
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	Ledge 1 (Mine) - HSI, VSI, Roll	2002	25mm (1")	N	N	Y	Y
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	12.2m Ledge 1 (Mine) - HSI, 3"x1.5" scalped, VSI	2000	25mm (1")	N	Y	Y	Y
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	8.5m Ledge 1 - Old 51572-04 - HSI, VSI	2003	25mm (1")	N	N	Y	Y

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30 Year Extended Life Pavement Design
Where Specified

Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	30 Year			
							5	7	11	14
98	MISSOURI RED QUARRY	GRANITEVILLE, MO	52302-71	11.6m Ledge - Jaw, Cone	2003	19mm (3/4")	N	N	Y	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	77.4-96.6m - BAV - Midwest - Gyro, 10, HSI, 2 Cones	2001	19mm (3/4")	N	N	Y	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	110.6m-124.9m - BAV- Hartline - Gyro, 10, HSI, 5, 2 Cones	2002	19mm (3/4")	N	N	N	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	124.9m - 141.4m - BAV - Gyro, 10, HSI, 11, 16, 21, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	124.9m - 141.4m - BAV - Gyro, 10, HSI	2003	19mm (3/4")	N	N	Y	Y
99	DOWNEN AGG. GROUP	ROSICLARE, IL	50692-14	13.4-30.8m - Ledge B - Below Rosiclare - Jaw, 10, H. Mill, Cone	2003	19mm (3/4")	N	N	Y	Y
99	DOWNEN AGG. GROUP	ROSICLARE, IL	50692-14	30.8m - 40.0m - Ledge C - Jaw, 10, Mill, Cone	2004	19mm (3/4")	N	N	Y	Y
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	0-12.8m, Bel, Rosiclare - Jaw, 6/10, Gyro, VSI	2002	19mm (3/4")	N	N	Y	Y
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	13.7m - 33.7m - Below Rosiclare - Jaw, 10, Gyro, VSI	2003	19mm (3/4")	N	N	N	Y
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	0-13.7m-Below Rosiclare-Jaw,10,Gyro,VSI	2002	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	58.5-85.6m, Ledge G - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	85.6-103.3m, Ledge H - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	103.3-125.3m, Ledge I - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	31.4m-41.8m, Ledge F1 - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge B,C,D,-6.1-22.9m Below Rosiclare - Jaw, 10, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge E, 22.9-35.7m (75-117') Below Rosiclare - Jaw, 10, 2 Cones	2000	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge F, G, H, I - 35.7-57.3m Below Rosiclare - Jaw, 10, 2 cones	2000	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA ROS	SHETLERVILLE, IL	50692-09	13.4-35.1m (44-115') Below Rosiclare S.S. - 2 Cones	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA ROS	SHETLERVILLE, IL	50692-09	35.1-55.8m Below Rosiclare S.S. - No Scalping	2003	19mm (3/4")	N	N	N	Y

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30 Year Extended Life Pavement Design
Where Specified

<i>Dist</i>	<i>Producer Name</i>	<i>Location</i>	<i>P/S No.</i>	<i>Ledge Description</i>	<i>Year Last Sampled</i>	<i>F-T Rating</i>	<i>30 Year</i>			
							<i>5</i>	<i>7</i>	<i>11</i>	<i>14</i>
99	SOUTHERN ILL.STONE	BUNCOMBE, IL	50872-03	6.7m - 14.0m - Lower Middle - HSI, 6, 2 HSI, VSI	2003	19mm (3/4")	N	N	Y	Y
99	VULCAN MATERIALS	GILBERTSVILLE, KY	52502-03	Bench 4 (33.8-53.9m [111-177']) - Jaw, 90-lb.RR, Cone, 6, Cone	2003	19mm (3/4")	N	N	Y	Y
99	VULCAN MATERIALS	GILBERTSVILLE, KY	52502-03	Bench 7 - 95.4 - 114.9m - Jaw, 125-lb.RR, Cone, 6, Cone	2003	19mm (3/4")	N	N	Y	Y

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40 Year Extended Life Pavement Design
Where Specified

Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	40 Year			
							5	7	11	14
91	BEEMSTERBOER SLAG	E. CHICAGO, IN	52103-21	ACBF Slag	2000	12.5mm (1/2")	N	N	N	Y
91	CONCO WESTERN STONE	N. AURORA, IL	50892-01	78.0-85.0m ledge - Jaw, HSI	2001	25mm (1")	N	N	Y	Y
91	ELMHURST CHICAGO ST.	ROMEOVILLE, IL	51972-10	0-15.2m Ledge - Jaw, 6, HSI, 2 VSI	2001	25mm (1")	N	Y	Y	Y
91	ELMHURST CHICAGO ST.	ROMEOVILLE, IL	51972-10	15.2m - 24.4m - Jaw, 6, HSI, 2VSI	2002	25mm (1")	N	Y	Y	Y
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-10.4m (0-34') - Jaw, 3 Cones	2002	19mm (3/4")	N	N	Y	Y
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-12.5m - Jaw, 6, +3" Triple Roll	2001	19mm (3/4")	N	N	Y	Y
91	FOX RIVER STONE	S. ELGIN, IL	50892-02	0-12.5m - Jaw, 6 to Simplicity Screen	2001	19mm (3/4")	N	N	Y	Y
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	88.4-96.0m, Mine - Jaw, Cage, Roll	2004	25mm (1")	N	Y	Y	Y
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	88.4-96.0m, Mine - Jaw, -1 1/2" Processed	2002	25mm (1")	N	Y	Y	Y
91	JOLIET S. & G.	ROCKDALE, IL	51972-15	96.0-103.6m, Mine - Jaw, Cage, Roll	2004	25mm (1")	N	Y	Y	Y
91	LAFARGE CORP.	ONTARIO, CA	52352-01	0m - 15.2m - Dolomite - Gyro Cone, Cone, Roll	2004	19mm (3/4")	N	N	Y	Y
91	LEVY COMPANY	BURNS HARBOR, IN	52103-10	ACBF Slag	2000	12.5mm (1/2")	N	N	N	Y
91	LEVY COMPANY	E. CHICAGO, IN	52103-11	ACBF Slag	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0-9.1m- Level #1- EMD- Main Plant	2001	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0-9.1m (0-30')- Level #1- EMD- Chip Plant	2001	19mm (3/4")	N	N	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	9.1-18.3m (30-60')- Level #2- EMD- Main Plant	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	9.1-18.3m (30-60')- Level #2- EMD- Chip Plant	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	18.3-27.4m (60-90')- Level #3- EMD- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	18.3-27.4m (60-90')- Level #3- EMD- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	27.4-36.5m- Level #4- EMD - Main	2000	25mm (1")	N	N	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	27.4-36.5m- Level #4-EMD - Chip	2000	25mm (1")	N	Y	Y	Y

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							5	7	11	14
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	36.5-46.3m (120-152')- Level #5- EMD- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	36.5-46.3m (120-152')- Level #5- EMD- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0.0-18.3m-Level 1 & 2-EMD-Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LAGRANGE, IL	50312-02	0.0-18.3m-Level 1 & 2-EMD-Main Plant	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LYONS, IL	50312-18	0-7.4m (0-24') Level	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	LYONS, IL	50312-18	Level #7- 73.8-82.9m	2000	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	ROMEOVILLE, IL	51972-02	0-41.1m - Pierce Quarry	2001	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	THORNTON, IL	50312-04	112.8-118.9m Ledge	2001	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	THORNTON, IL	50312-04	0m - 105.8m - Lev. 1-3 - Gyro, Log, Cone	2002	25mm (1")	N	Y	Y	Y
91	MATERIAL SERVICE	THORNTON, IL	50312-04	22.9m - 76.2m - Gyro, Log, Cone	2004	25mm (1")	N	Y	Y	Y
91	PRAIRIE MATERIAL	ELGIN, IL	50892-05	7.6-19.8m Face - Cone, VSI	2000	19mm (3/4")	N	N	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	0-18.3m Ledge - Jaw, 6, Cone, 1, 2", VSI	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	18.3-36.6m Ledge - Jaw, 6, Cone, 1, 2", VSI	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	0-36.6m Ledge - Jaw, 6, Cone, 1, 2", VSI	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	JOLIET, IL	51972-19	36.6m - 42.6m - Jaw, 6, Cone, VSI	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m-Level 1- Hodgkins- Sand Plant	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m- Level 1- Hodgkins- Main Plant	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3-164.6m-Level 1- Hodgkins- Chip Plant	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Main Plant	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Chip Plant	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	164.6-152.4m-Level 2- Hodgkins- Sand Plant	2003	25mm (1")	N	Y	N	Y

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91	VULCAN MATERIALS	MCCOOK, IL	50312-78	152.4-135.6m- Level 3- Hodgkins- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	152.4-135.6m- Level 3- Hodgkins- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	135.6-120.4m-Level 4- Hodgkins- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	135.6-120.4m- Level 4- Hodgkins- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	120.4-106.7m- Level 5- Hodgkins- Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	120.4-106.7m- Level 5- Hodgkins- Chip Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	115.8-105.2m- Below Red - NE Side- Main Plant	2001	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Main Plant	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	75/25 Blend-Level 1 & New B - Main Plant	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Chip Plant	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	MCCOOK, IL	50312-78	178.3m - 152.4m - Levels 1 & 2 - Hodgkins - Sand Plant	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0-21.3m - Jaw, 1"x3", 7, HSI, 6, Cone, VSI	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0m - 18.9m - Jaw, 1"x3", 7, HSI, 6, Cone, VSI	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	PLAINFIELD, IL	51972-16	0m - 18.9m - Jaw, 1"x3", 7, HSI, VSI	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	RACINE, WI	52402-01	68.3-79.2m - Gyro, 6, Cone, VSI	2003	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	0-33.5m (0-110') Face	2000	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	9.1-33.5m Face- Jaw, 6, 3 Cones	2002	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	ROMEOVILLE, IL	51972-04	64.5m - 56.7m- Upper Mine - Jaw, 6, 2 Cones	2004	25mm (1")	N	Y	Y	Y
91	VULCAN MATERIALS	SUSSEX, WI	52402-64	20.4-30.5m - Jaw, 6, HSI, VSI	2004	25mm (1")	N	N	Y	N
91	VULCAN MATERIALS	SUSSEX, WI	52402-64	0-20.4m - Jaw, 6, HSI, VSI	2003	25mm (1")	N	Y	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0-21.3m (0-70') - Jaw, 10, plus 22.2mm (+7/8") Mill/2 Rolls	2002	19mm (3/4")	N	N	Y	Y

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92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0-21.3m - Jaw, 6, plus 1" Mill, D. Roll	2001	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	0m - 21.3m - Jaw, 10, HSI, Recirc.Roll	2002	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	12.2m - 21.3m - Jaw, 10, HSI, Recirc.Roll	2003	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	COLETA, IL	51952-86	12.2m - 21.3m - HSI, 10, HSI, Recirc. Roll	2003	19mm (3/4")	N	N	Y	Y
92	ALLIANCE MATERIALS	WOOSUNG, IL	51412-71	Plus 5.5m-13.7m - Jaw, 10, Recirc. Imp	2003	19mm (3/4")	N	N	N	Y
92	BOB PROPHETER AGG	DIXON, IL	51032-73	4.6-19.8m - Jaw, 10, Cone, Recirc. T.Roll	2002	19mm (3/4")	N	N	Y	Y
92	BOB PROPHETER AGG	DIXON, IL	51032-73	4.6m - 19.8m - Jaw, Cone, Recirc. VSI	2004	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	9.1-21.3m - HSI, 10, Recirc. Mill, HSI	2001	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	9.1-21.3m - HSI, 10, Recirc. Mill, Mill	2001	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	11.3m - 23.5m - HSI, 10, Recirc.HSI	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	2.5m - 23.5m - HSI, 10, Recirc. HSI	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, 10, Recirc. HSI	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	2.5m - 23.5m - HSI, Recirc.HSI, Wash	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	11.3m - 23.5m - HSI, Recirc. HSI, Wash	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, Recirc. HSI, Wash	2003	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	ELIZABETH, IL	50852-61	6.7m - 23.5m - HSI, 10 to Wash Plant	2004	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	FREEPOR, IL	51772-28	15.2m - 30.5m - HSI, 10, HSI, 16, Recirc. HSI	2004	19mm (3/4")	N	N	Y	Y
92	CONMAT, INC.	STOCKTON, IL	50852-67	0m-15.2m - Jaw, 10, 2 Mills	2002	19mm (3/4")	N	N	Y	Y
92	COX, R.E.	LENA, IL	51772-04	0-15.2m (0-50') - Jaw, 10, plus 37.5mm (+1 1/2") to Mill	2001	19mm (3/4")	N	N	Y	Y
92	COX, R.E.	LENA, IL	51772-04	+3.0m - 0m - Jaw, +1 1/2" Scalp, Recirc.Mill	2003	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FORRESTON, IL	51412-58	15.2-27.4m - HSI, 6, Recirc., HSI	2001	19mm (3/4")	N	N	Y	Y

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40 Year Extended Life Pavement Design
Where Specified

Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	40 Year			
							5	7	11	14
92	FISCHER EXCAVATING	FREEPOR, IL	51772-51	0-9.1m Face - HSI, HSI	2001	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FREEPOR, IL	51772-51	0-9.1m Face - HSI, 6, HSI	2001	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	FREEPOR, IL	51772-51	0-9.1m - HSI, 6" to 2", 10, Recirc.HSI	2003	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	GALENA, IL	50852-93	0m - 15.2m - HSI, 10, HSI	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m-12.2m - HSI, 6, HSI	2002	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m - 12.2m - Imp, 10, Recirc. Imp	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MONROE CENTER, IL	51412-00	0m - 12.2m - Imp, No Scalp, Recirc. Imp	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	MT. CARROLL, IL	50152-16	+7.7m-15.2m - HSI, 10, HSI	2004	19mm (3/4")	N	N	Y	Y
92	FISCHER EXCAVATING	STOCKTON, IL	50852-20	0m - 18.3m - HSI, 10, Recirc. HSI	2004	19mm (3/4")	N	N	Y	Y
92	LARSON, E., INC.	CORTLAND, IL	50372-02	54.8m - 69.1m-HSI, 6, Mill, 21, HSI	2002	25mm (1")	N	Y	Y	Y
92	LARSON, E., INC.	CORTLAND, IL	50372-02	69.1m - 82.8m - HSI, 6, VSI, 21, HSI	2004	25mm (1")	N	Y	Y	Y
92	LEE, CHARLES & SON	IRENE, IL	50072-02	0-26.2m - Jaw, 6, Mill, VSI	2004	19mm (3/4")	N	N	Y	Y
92	LINWOOD MINING	LINWOOD, IA	52202-08	6.1m, Lower Level - Otis - Mill, Cone - Mine	2001	19mm (3/4")	N	N	Y	Y
92	LINWOOD MINING	LINWOOD, IA	52202-08	6.1m - Lower Level - Otis - Imp, Cone	2003	19mm (3/4")	N	N	Y	Y
92	LOBERG EXCAVATING	FREEPOR, IL	51772-08	0-9.1m -Jaw,10,Recirc.,HSI	2003	19mm (3/4")	N	N	N	Y
92	LOUIE'S AGGREGATE CO	GILFORD, IL	50852-90	0m - 13.7m - HSI, 10, HSI	2004	19mm (3/4")	N	N	Y	Y
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	12.2-30.5m (40-100') - Jaw, 10, Cone, Triple Roll (Recirc.)	2000	19mm (3/4")	N	N	Y	Y
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	0-30.5m(0-100') - Imp, Cone, 10, Recirc. Cone	2002	19mm (3/4")	N	N	Y	Y
92	MACKLIN INCORPORATED	ROCHELLE, IL	51412-68	0m - 30.5m - Imp, 10, 2 Cones, Recirc. Cone	2003	19mm (3/4")	N	N	Y	Y
92	MARTIN MATERIALS	OREGON, IL	51412-34	Plus 4.6m (+15') to minus 18.3m (-60') - HSI, 10, HSI	2002	19mm (3/4")	N	N	Y	Y
92	MARTIN MATERIALS	OREGON, IL	51412-34	Plus 4.6m - 18.3m - HSI, 2, Recirc. HSI	2002	19mm (3/4")	N	N	Y	Y

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Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	40 Year			
							5	7	11	14
92	NORTHERN IL SERVICE	ROCKFORD, IL	52012-30	9.8 - 15.9m Ldg. #2 - HSI, 6, HSI	2000	19mm (3/4")	N	N	Y	Y
92	NORTHERN MATERIALS	NEW MILFORD, IL	52012-52	0m - 7.9m - Jaw, HSI	2003	19mm (3/4")	N	N	Y	Y
92	RIVERSIDE QRY &BLKTP	WACKER, IL	50152-92	15.2 - 24.4m - Imp, 10, + 7/8" HSI	2000	19mm (3/4")	N	N	Y	Y
92	RIVERSIDE QRY &BLKTP	WACKER, IL	50152-92	0-24.4m Face - Imp, 10, +7/8" HSI	2004	19mm (3/4")	N	N	Y	Y
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	2nd Ledge - 7.6m - 18.3m - IMP, Cone	2003	25mm (1")	N	Y	Y	Y
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	3rd Ledge - 18.3m - 30.7m - Imp, Cone	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	9th Ledge, 77.7-91.4m - Imp, 2 Cones	2001	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	CLEVELAND, IL	50732-12	3rd & 4th Ledge - 18.3m - 38.1m - IMP, Cone, Log	2004	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	LECLAIRE, IA	52202-10	61.0m - 79.3m - Ledge 5 - N. of Fault - HSI, HSI	2003	19mm (3/4")	N	N	Y	Y
92	RIVERSTONE GROUP,INC	MCCAUSLAND, IA	52202-16	0-13.7m - Level 1 - HSI, HSI, Oversize, 6, Rescreened	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	MCCAUSLAND, IA	52202-16	27.4m - 45.7m - Ledge 3 - 2 HSI, Log	2003	25mm (1")	N	Y	Y	Y
92	RIVERSTONE GROUP,INC	MILAN, IL	51612-31	5th, 6th, & 7th Ledge, 25.3-52.7m - Silurian-Jaw, HSI, Cone	2002	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	MILAN, IL	51612-31	9th Ledge, 64.9m - 77.1m - Jaw, HSI, Cone	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	OSBORN, IL	51612-23	1st & 2nd Ledges-0m-9.1m-Jaw, HSI, Cone	2002	37.5mm (1 1/2")	Y	Y	Y	Y
92	RIVERSTONE GROUP,INC	OSBORN, IL	51612-23	3rd Ledge - 9.1m - 21.3m - Jaw, HSI	2003	37.5mm (1 1/2")	Y	Y	Y	Y
92	ROCKFORD SAND & GRAV	BELVIDERE, IL	50072-01	1.8m-26.5m (4-87') Face	2002	25mm (1")	N	Y	Y	Y
92	ROCKFORD SAND & GRAV	LOVES PARK, IL	52012-69	51.7 - 64.3m Ldg. #4 - HSI, 6, VSI	2000	19mm (3/4")	N	N	Y	Y
92	ROCKFORD SAND & GRAV	LOVES PARK, IL	52012-69	64.3-75.3m, Ldg. #5 - HSI, 6, VSI	2000	19mm (3/4")	N	N	Y	Y
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52012-45	19.2-28.0m - Jaw, FA6, VSI	2003	19mm (3/4")	N	N	Y	Y
92	ROCKFORD SAND & GRAV	ROCKFORD, IL	52012-77	6.1-26.8m (20-88') - Jaw, CA06, VSI	2003	25mm (1")	N	Y	Y	Y
92	ROGERS R-M & MATLS.	BYRON, IL	51412-32	15.2m - 26.0m - HSI, 10, Recirc.HSI	2004	19mm (3/4")	N	N	Y	Y

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92	ROGERS R-M & MATLS.	CHERRY VALLEY, IL	52012-31	0-12.2m (0-40')	2003	25mm (1")	N	N	Y	N
92	ROGERS R-M & MATLS.	CHERRY VALLEY, IL	52012-31	12.6-26.5m - 6, HSI, 11, HSI - Stockpile Approved	2003	19mm (3/4")	N	N	N	Y
92	SCHLICHTING & SONS	BELVIDERE, IL	50072-15	0m - 25.6m - HSI, 6, HSI	2003	19mm (3/4")	N	N	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0.0-40.2m -Gyro, 6, +3", 3 Cones	2004	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-64.6m - Gyro, 3", 6, 3 cones	2002	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0m - 40.2m - Gyro, 3", 6 to Wash Plant	2003	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	0-40.2m - HSI, 2 cones	2001	19mm (3/4")	N	N	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-46.3m - Gyro, 3", 6, 3 Cones	2002	25mm (1")	N	Y	Y	Y
92	VULCAN MATERIALS	SYCAMORE, IL	50372-01	40.2-64.6m-Gyro, 3", 6 to Wash Plant	2001	25mm (1")	N	Y	Y	Y
92	WENDLING QUARRIES	MT. CARROLL, IL	50152-74	18.0-31.7m - Impactor, T.Roll, Hammermill	2004	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	0-24.4m - Jaw, RR1, Cone, 6, Roll - Dolomite	2000	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	0-24.4m - Jaw, Cone, Roll - Dolomite	2002	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	24.4-32.0m - Jaw, Cone, Roll - Dolomite	2003	19mm (3/4")	N	N	Y	Y
93	CENTRAL LIMESTONE CO	LISBON, IL	50932-01	32.0m - 39.6m - Jaw, RR1, 6, Cone, Roll	2004	19mm (3/4")	N	N	Y	Y
93	PRAIRIE MATERIAL	FAIRBURY, IL	51052-15	3.7m (12') Ledge - HSI, Washer	2001	25mm (1")	N	Y	Y	Y
93	PRAIRIE MATERIAL	FAIRBURY, IL	51052-15	3.7m Ledge - 2 HSI	2004	25mm (1")	N	Y	Y	Y
93	PRAIRIE MATERIAL	MANTENO, IL	50912-06	1.8-19.8m Ledge A - Jaw, 10, 2 Cones	2004	37.5mm (1 1/2")	Y	Y	Y	Y
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	18.3m - 33.5m - Ledge 4 - HSI, HSI, VSI, Log	2003	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TONICA, IL	50992-04	6.7m - 18.3m - Ledge 3 - HSI, HSI, VSI, Log	2003	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m (0-60') - HSI, plus 37.5mm (+1 1/2") to minus 100mm (-4") HSI, Log	2002	19mm (3/4")	N	N	Y	Y

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93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m - 2 HSI, VSI, LOG	2001	19mm (3/4")	N	N	Y	Y
93	RIVERSTONE GROUP,INC	TROY GROVE, IL	50992-01	0-18.3m - HSI, -1" Log, +1" HSI, -1"Log, Recirc. VSI, Log	2000	19mm (3/4")	N	N	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	0.9-16.2m Level 1 - Hannah 2 - Jaw, 10, 6, 2 Cones	2000	25mm (1")	N	Y	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	16.2-31.4m Level 2 - Hannah 2 - Jaw, 10, 6, 2 Cones	2000	25mm (1")	N	Y	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	31.4m - 46.6m - Level 3 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	2004	19mm (3/4")	N	N	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	16.2m - 31.4m - Level 2 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	2004	19mm (3/4")	N	N	Y	Y
93	U.S. AGGREGATES	DELPHI, IN	52102-28	0.9m - 16.2m - Level 1 - Hannah 2 - Jaw, RR, Cone, 3, 6, Cone	2004	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	0-36.6m - Jaw, 6, 1"x3", Cone, + 1" Recirc. HSI	2000	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	0-36.6m - Jaw, RR1, 6, Cone, HSI	2003	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	36.6m-45.7m-Jaw, 3, 6, Cone, VSI	2002	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	36.6 - 45.7m - Jaw, RR1, 6, Cone, Imp	2003	19mm (3/4")	N	N	Y	Y
93	VALLEY RUN STONE	LISBON, IL	50932-02	0m - 45.7m - Jaw, 6, RR1, Cone, Imp	2004	19mm (3/4")	N	N	Y	Y
93	VALLEY VIEW INDUST.	FAIRBURY, IL	51052-03	Ledge A - Recirc. HSI	2001	19mm (3/4")	N	N	Y	Y
93	VALLEY VIEW INDUST.	FAIRBURY, IL	51052-03	6m Face - HSI, Wash	2004	19mm (3/4")	N	N	Y	Y
93	VALLEY VIEW INDUST.	OCOYA, IL	51052-13	4.9m (16') Ledge - 2 Impactors, CA10 Scalped	2003	19mm (3/4")	N	N	Y	Y
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	158.5-147.5m, Ledge 5 & 6 - Jaw, Cone, VSI	2001	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	180.1m - 147.5m - Ledges 3 -7 - Jaw, Cone, Cone, VSI	2003	25mm (1")	N	N	Y	Y
93	VULCAN MATERIALS	FRANCESVILLE, IN	52102-23	195.4m - 180.1m - Ledge 8 - Jaw, Cone, Cone, VSI	2004	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	0-12.5m, Ledge A - Gyro, Cone, 10, 3 cones	2003	37.5mm (1 1/2")	Y	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	0-12.5m, Ledge A - Gyro, 1 1/2" - 3/8" to VSI	2001	25mm (1")	N	Y	Y	Y

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93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	25.0-37.5m, Ledge DE - Gyratory, Cone, 10, 3 Cones	2003	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	KANKAKEE, IL	50912-02	25.0-37.5m, Ledge DE - Gyro, Cone, 3/8"-1 1/2" to VSI	2001	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	0.9-22.9m Ledge A - Jaw, Cone, 10/6, VSI	2000	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	22.9-38.7m, Ledge D - Jaw, Cone, 10, VSI	2004	37.5mm (1 1/2")	Y	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	21.9-37.8m Ledge D - Jaw, Cone, 1-1/8" Wash	2000	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	22.9m - 38.7m - Ledge D - Jaw, Cone, 10, -3" High Speed Cone	2002	25mm (1")	N	Y	Y	Y
93	VULCAN MATERIALS	MANTENO, IL	50912-04	0m - 22.9m - Ledge ABC - Jaw, Cone, 10, -3" High Speed Cone	2002	25mm (1")	N	Y	Y	Y
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	0-16.8m - HSI, 6, HSI, Log	2002	37.5mm (1 1/2")	Y	Y	Y	Y
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	25.9m - 35.1m - HSI, 6, HSI, Log	2004	19mm (3/4")	N	N	Y	Y
93	WESTERN SAND&GRAVEL	TROY GROVE, IL	50992-05	0m - 25.9m - HSI, 6, HSI, Log	2004	37.5mm (1 1/2")	Y	Y	Y	Y
95	CASEY STONE CO.	CASEY, IL	50232-06	7.6m - HSI, RR1, 6, HSI, VSI, Log	2004	19mm (3/4")	N	N	N	Y
95	CHARLESTON STONE CO.	CHARLESTON, IL	50292-02	3.5m Top Ledge - W. Pit - Jaw, HSI, Log	2000	19mm (3/4")	N	N	N	Y
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge - Jaw, HSI, RR1, Cone, VSI, Log	2001	19mm (3/4")	N	N	Y	Y
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge - Jaw, HSI, Cone, VSI, Log	2001	19mm (3/4")	N	N	Y	Y
95	HANSON AGGREGATES	PUTNAMVILLE, IN	52102-27	30.5m Ledge-Jaw, HSI, VSI, Log	2002	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	8.2m Bench 1 - Jaw, Imp	2000	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	10.7m Bench 2 - Jaw, Imp	2000	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	18.9m Benches 1 & 2 - Jaw, Imp	2000	19mm (3/4")	N	N	Y	Y
95	LINCOLN PARK STONE	PUTNAMVILLE, IN	52102-30	18.9m Benches 1 & 2 - RR1 to Cone	2001	19mm (3/4")	N	N	Y	Y
95	MARTIN MARIETTA AGG	CLOVERDALE, IN	52102-33	20.7M Ledge - Jaw, 6, HSI, 2 Cones	2002	25mm (1")	N	Y	Y	Y

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95	MATERIAL SERVICE	FAIRMOUNT, IL	51832-01	3.7m-Shaft/Pick,10,2 Cones	2001	19mm (3/4")	N	N	Y	Y
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.0m, Bottom Ledge - South Pit - HSI, RR3, 6, Mill	2000	19mm (3/4")	N	N	N	Y
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.4m Bottom Ledge - East Pit - HSI, 6,Mill Log	2001	19mm (3/4")	N	N	N	Y
95	QUALITY LIME CO.	MARSHALL, IL	50232-05	3.4m Bottom Ledge - East Pit - HSI, Mill, Log	2001	19mm (3/4")	N	N	N	Y
95	TUSCOLA STONE CO.	TUSCOLA, IL	50412-01	6th Level - Jaw, 6, VSI	2001	19mm (3/4")	N	N	Y	Y
95	TUSCOLA STONE CO.	TUSCOLA, IL	50412-01	Level 10A-Jaw,3",6,VSI	2001	19mm (3/4")	N	N	Y	Y
95	VULCAN MATERIALS	CASEY, IL	50232-02	7.6M Ledge - 2HSI, Log	2004	25mm (1")	N	N	Y	Y
96	CENTRAL STONE	HUNTINGTON, MO	52302-04	6.1-21.3m Ledge 2 - Kimmswick - HSI, 2 Cones, Logwasher	2003	25mm (1")	N	Y	Y	Y
96	CENTRAL STONE	HUNTINGTON, MO	52302-04	6.1m (20') Calloway - HSI, 2 Cones, Log, Log	2003	25mm (1")	N	Y	Y	Y
96	MATERIAL SERVICE	NOKOMIS, IL	51352-01	Upper Ledge - HSI, 6, Mill, Cone	2003	19mm (3/4")	N	N	Y	Y
96	NOKOMIS QUARRY	NOKOMIS, IL	51352-03	Upper Ledge - HSI, 6, Mill	2003	19mm (3/4")	N	N	Y	Y
96	PANA LIMESTONE	PANA, IL	50212-04	Upper Ledge (3.0m [10']) - Imp, Mill, Imp	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m [10']) - Jaw, 8", Cone, 1", Recirc. 2 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m) - Jaw, 6, 3 Cones	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 2 (2.7m [9']) - Jaw, RR3, 3 Cones	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 6B & 7 -Jaw, No Scalp, 3 Cones	2001	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 2 (2.7m [9']) - Jaw, RR3, 10, Cone, RR1, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MITCHELL CRUSHED STN	MITCHELL, IN	52102-04	Ledge 1 (3.0m[10']) - Jaw, 6, Cone, RR1, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 3 (3.4m [11'])	2002	19mm (3/4")	N	N	N	Y
97	MULZER CR. STONE CO.	ENGLISH, IN	52102-11	Ledge 6A (10.4m [34']) - Jaw, 10, 3 Cones	2003	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m Ledge 3 - Jaw, 10, RR, 2 Cones	2000	19mm (3/4")	N	N	Y	Y

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October 29, 2004

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Standard Specifications for Road and Bridge Construction, Article 1004.02 (f) (Adopted January 1, 2002)

40 Year Extended Life Pavement Design
Where Specified

Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	40 Year			
							5	7	11	14
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m, Ledge 3 - Jaw, 10, Imp, Roll, Cone	2001	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	12.5-16.5m Ledge 3 - Jaw, 10, 2 Cones	2000	19mm (3/4")	N	N	Y	Y
97	MULZER CR. STONE CO.	PAOLI, IN	52102-29	17.7m - 20.7m - Ledge 5 - Jaw, 10, 2 Cones	2000	19mm (3/4")	N	N	Y	Y
98	BEELMAN TRUCK CO.	GRANITE CITY, IL	51193-31	ACBF Slag	2002	19mm (3/4")	N	N	Y	Y
98	BLUFF CITY MINERAL	ALTON, IL	51192-02	7.6m Level 1 & 15.2m Level 2 - IMP, + 1" Recirc. IMP	2002	19mm (3/4")	N	N	Y	Y
98	CENTRAL STONE	FLORISSANT, MO	52302-53	Benches 3-9 (28.7m [94']) - HSI,27% to Log,HSI	2004	19mm (3/4")	N	N	Y	Y
98	CENTRAL STONE	FLORISSANT, MO	52302-53	14.6m Bench 12-14 - HSI, No Scalp, HSI	2001	19mm (3/4")	N	N	N	Y
98	COLUMBIA QUARRY CO.	COLUMBIA, IL	51632-01	Ledge A (4.3m) - HSI, 6, HSI, Cone, VSI	2003	19mm (3/4")	N	N	Y	Y
98	COLUMBIA QUARRY CO.	DUPO, IL	51632-09	3.7m - 7.9m - Above 1A & 2 - Jaw, 6, HSI, HSI, Cone	2002	19mm (3/4")	N	N	Y	Y
98	COLUMBIA QUARRY CO.	DUPO, IL	51632-09	3.7m - 4.3m - Above 1A & 2 - Jaw, 6, HSI, Cone	2004	37.5mm (1 1/2")	Y	Y	Y	Y
98	COLUMBIA QUARRY CO.	WATERLOO, IL	51332-04	Ledge 1-3 (18.7m) - New Pit - Jaw, 6, 5, HSI, Roll	2002	19mm (3/4")	N	N	N	Y
98	FALLING SPRINGS QRY	FALLING SPRINGS, IL	51632-03	33.5m, Ledge 1B - HSI, 6, RR, HSI, VSI	2003	37.5mm (1 1/2")	Y	Y	Y	Y
98	FALLING SPRINGS QRY	FALLING SPRINGS, IL	51632-03	33.5m, Ledge 1B - HSI, RR, No Scalp, HSI, VSI	2001	19mm (3/4")	N	N	Y	Y
98	IRON MT. TRAP ROCK	IRON MOUNTAIN, MO	52302-33	22.9m - Ledge 1 - Jaw, 2 Cones, No Scalp	2003	19mm (3/4")	N	N	Y	Y
98	LEAD BELT MATERIAL	ELVINS, MO	52302-45	21.3m - Ledge 1 - Jaw, Cone	2003	19mm (3/4")	N	N	Y	Y
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	Ledge 1 (Mine) - HSI, VSI, Roll	2002	25mm (1")	N	N	Y	Y
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	12.2m Ledge 1 (Mine) - HSI, 3"x1.5" scalped, VSI	2000	25mm (1")	N	N	Y	Y
98	MARTIN MARIETTA	PRAIRIE DU ROCHER, IL	51572-05	8.5m Ledge 1 - Old 51572-04 - HSI, VSI	2003	25mm (1")	N	N	N	Y
98	MISSOURI RED QUARRY	GRANITEVILLE, MO	52302-71	11.6m Ledge - Jaw, Cone	2003	19mm (3/4")	N	N	Y	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	77.4-96.6m - BAV - Midwest - Gyro, 10, HSI, 2 Cones	2001	19mm (3/4")	N	N	Y	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	110.6m-124.9m - BAV- Hartline - Gyro, 10, HSI, 5, 2 Cones	2002	19mm (3/4")	N	N	N	Y

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40 Year Extended Life Pavement Design
Where Specified

Dist	Producer Name	Location	P/S No.	Ledge Description	Year Last Sampled	F-T Rating	40 Year			
							5	7	11	14
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	124.9m - 141.4m - BAV - Gyro, 10, HSI, 11, 16, 21, 2 Cones	2003	19mm (3/4")	N	N	Y	Y
99	ANNA QUARRIES, INC.	ANNA, IL	51812-02	124.9m - 141.4m - BAV - Gyro, 10, HSI	2003	19mm (3/4")	N	N	Y	Y
99	DOWNEN AGG. GROUP	ROSICLARE, IL	50692-14	13.4-30.8m - Ledge B - Below Rosiclare - Jaw, 10, H. Mill, Cone	2003	19mm (3/4")	N	N	Y	Y
99	DOWNEN AGG. GROUP	ROSICLARE, IL	50692-14	30.8m - 40.0m - Ledge C - Jaw, 10, Mill, Cone	2004	19mm (3/4")	N	N	Y	Y
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	0-12.8m, Bel, Rosiclare - Jaw, 6/10, Gyro, VSI	2002	19mm (3/4")	N	N	Y	Y
99	HASTIE MINING	CAVE-IN-ROCK, IL	50692-04	0-13.7m-Below Rosiclare-Jaw,10,Gyro,VSI	2002	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	58.5-85.6m, Ledge G - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	85.6-103.3m, Ledge H - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	103.3-125.3m, Ledge I - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA CIR	CAVE-IN-ROCK, IL	50692-12	31.4m-41.8m, Ledge F1 - Jaw, 2 Mills	2003	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge B,C,D,-6.1-22.9m Below Rosiclare - Jaw, 10, 2 Cones	2003	19mm (3/4")	N	N	N	Y
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge E, 22.9-35.7m (75-117') Below Rosiclare - Jaw, 10, 2 Cones	2000	19mm (3/4")	N	N	N	Y
99	MARTIN MARIETTA HC2	CAVE-IN-ROCK, IL	50692-02	Ledge F, G, H, I - 35.7-57.3m Below Rosiclare - Jaw, 10, 2 cones	2000	19mm (3/4")	N	N	Y	Y
99	MARTIN MARIETTA ROS	SHETLERVILLE, IL	50692-09	13.4-35.1m (44-115') Below Rosiclare S.S. - 2 Cones	2003	19mm (3/4")	N	N	Y	Y
99	SOUTHERN ILL.STONE	BUNCOMBE, IL	50872-03	6.7m - 14.0m - Lower Middle - HSI, 6, 2 HSI, VSI	2003	19mm (3/4")	N	N	Y	Y
99	VULCAN MATERIALS	GILBERTSVILLE, KY	52502-03	Bench 4 (33.8-53.9m [111-177']) - Jaw, 90-lb.RR, Cone, 6, Cone	2003	19mm (3/4")	N	N	N	Y
99	VULCAN MATERIALS	GILBERTSVILLE, KY	52502-03	Bench 7 - 95.4 - 114.9m - Jaw, 125-lb.RR, Cone, 6, Cone	2003	19mm (3/4")	N	N	N	Y

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