

DTMT175  
Run Date: 09 29 15  
Run Time: 08:36 AM

Kansas Department Of Transportation  
Official Quality

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MF Sample Id: 00978120 SI: E  
Inspector Id: 000509007 JASON L BROWN Resp Loc: 50 Total Samples: 1  
Type Insp: OFQ Date Sampled: 08 20 15 Related Sample Id:  
Type Test: 1 AGGREGATE QUALITY TEST  
Proj Id: Contract #: Line #: Quantity: 0.000  
Producer: 00820105 Name: CORNEJO STONE (025) Loc: WICHITA(HOME OFFICE) St: KS  
Legal Desc: S14T31SR10E Mix Plant: Name:  
Matrl Cd: 999900117 LIMESTONE (OFQ) Desc: Unit: TON  
Qty Represented: 0.000 Nbr of Items: 7 Qty Assigned: 0.000  
Sampled From: STOCK PILE Ledge: Lot/Heat Nbr:  
Lab: AGG Name: AGGREGATE Dates::Shipped: 09 03 15 Received: 09 03 15  
Test Start: 09 03 15 Est Compl: Act Compl: 09 23 15  
Test Result: COMP Authorized By: L. SCHROEDER BY GLP  
Remarks:

MRC 15-2538 1-1  
SAMPLED 1" CONCRETE STONE, MOLINE QUARRY

Station:	Dist & Lane:	Latitude N:	Longitude W:
2 1.5 1 ¼ ¼	3/8 4 8 16	37.35844	-096.27563
16 61	82 99 99 99	99 99 99 99.9	GF LL PI % Wash: 6.92

F&T Soundness Ratio: 0.98 % AI: 0.00 % Moist:  
Compressive Strength Ratio: 1 Day: 3 Day: Color Test No:

KT 6 - I	Sp Gr (Dry): 2.502	SP Gr (sat): 2.573	App Sp Gr: 2.692	Abs: 2.8
KT 6 - II	Sp Gr (Dry):	SP Gr (sat):	App Sp Gr:	Abs:
KT 6 - III	Sp Gr:	% Wear (L.A.): 38	Grading: B	%CF:
		Micro Deval % Loss: 28.8	Grading: 1	
Del. Sust.	% Shale:	Soft/Friable:	%Mud Balls:	Sticks:

Remarks:  
DATA ON FILE MRC 15-2538 FILE CODE: 1-1

PLEASE CLARIFY  
WHAT THE INTENDED  
USE IS FOR EACH MATERIAL

**MKEC ENGINEERING, INC.**  
**411 N. WEBB ROAD • WICHITA, KS 67206**

Reviewed  Revise and Resubmit  
 Reviewed as Noted  Rejected  
 Not Required by the Contract Documents

Reviewed for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; for information that pertains solely to the fabrication process or to techniques of construction; and for coordination of the work of all trades.

BY Ernie Z. Binkins DATE 6-3-16



# Gradation Test Report

Plant 010001-Durbin Quarry  
 Product 570-1" Conc. White Stone #67  
 Specification Proposed New Coarse #67



540295884

## Sample Information

Sample No 540295884  
 Date Sampled 03/24/2016 16:36  
 Sampled By Adam Ware  
 Type Production  
 Method Belt-Stream  
 Date Completed 03/24/2016 16:36

Split Sample   
 Resample

## Gradation Results

Tested By Adam Ware

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure		
g	3016.50	2891.20	2878.80	4.3	0.4			
Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
1" (25mm)	0.0	0.0	0.0	0.0	100.0	100-100\100	100-100	
3/4" (19mm)	255.5	255.5	8.8	8.8	91.2	90-95\92	90-100	
1/2" (12.5mm)	1231.0	1486.5	42.6	51.4	48.6	35-45\40		OT
3/8" (9.5mm)	522.8	2009.3	18.1	69.5	30.5	20-30\25	20-55	OT
#4 (4.75mm)	727.9	2737.2	25.2	94.7	5.3	3-8\5	0-10	
#8 (2.36mm)	127.5	2864.7	4.4	99.1	0.9	0-5\2	0-5	
#16 (1.18mm)	0.0	2864.7	0.0	99.1	0.9			
#200 (75µm)	6.4	2871.1	0.22	99.30	0.70			
Pan	7.7	2878.8	0.70	100.00	0.00			



# Gradation Test Report

Plant 010001-Durbin Quarry  
 Product 586-AB-3  
 Specification KSDOT AB-3/AS-1 (Durbin) - 586



## Sample Information

Sample No 524589625  
 Date Sampled 05/31/2016 15:33  
 Sampled By Charles Pratt  
 Type Shipping  
 Method Stockpile

Split Sample   
 Resample

## Gradation Results

Date Completed 05/31/2016 15:33

Tested By Charles Pratt

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure
g	9779.20	9122.70	7661.10	7.2	16.0	

  

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
2" (50mm)	0.0	0.0	0.0	0.0	100.0		100-100	
1 1/2" (37.5mm)	0.0	0.0	0.0	0.0	100.0		95-100	
1" (25mm)	212.3	212.3	2.3	2.3	97.7			
3/4" (19mm)	525.2	737.5	5.8	8.1	91.9		70-95	
1/2" (12.5mm)	1232.3	1969.8	13.5	21.6	78.4			
3/8" (9.5mm)	612.1	2581.9	6.7	28.3	71.7			
#4 (4.75mm)	1657.2	4239.1	18.2	46.5	53.5		40-65	
#8 (2.36mm)	1160.3	5399.4	12.7	59.2	40.8		30-55	
#16 (1.18mm)	742.8	6142.2	8.1	67.3	32.7			
#30 (0.6mm)	532.7	6674.9	5.8	73.2	26.8			
#40 (0.425mm)	6.2	6681.1	0.1	73.2	26.8		16-40	
#50 (0.3mm)	389.0	7070.1	4.3	77.5	22.5			
#100 (0.15mm)	290.1	7360.2	3.2	80.7	19.3			
#200 (75µm)	226.4	7586.6	2.48	83.16	16.84		8-20	
Pan	67.0	7653.6	16.84	100.00	0.00			

CRUSHED CONCRETE (WEST ROBBINS)

DTMT175

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Official Quality

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Run Date: 06 19 14  
Run Time: 09:30 AM

MF Sample Id: 00928460 SI: E  
Inspector Id: 000509016 RONALD K ARY Resp Loc: 50 Total Samples: 1  
Type Insp: OFQ Date Sampled: 04 07 14 Related Sample Id:  
Type Test: 1 AGGREGATE QUALITY TEST  
Proj Id: Contract #: Line #: Quantity: 0.000  
Producer: CC130400 Name: CORNEJO & SONS (087) Loc: WICHITA St: KS  
Legal Desc: Mix Plant: Name:  
Matrl Cd: 999900517 PCCP (CRUSHED) (OFQ) Desc: Unit: TON  
Qty Represented: 0.000 Nbr of Items: 7 Qty Assigned: 0.000  
Sampled From: STOCK PILE Ledge: Lot/Heat Nbr:  
Lab: AGG Name: AGGREGATE Dates::Shipped: 04 08 14 Received: 04 11 14  
Test Start: 04 11 14 Est Compl: Act Compl: 04 28 14  
Test Result: COMP Authorized By: L. SCHROEDER BY GLP

Remarks:

MRC 14-0667 1-3 DZ

PCCP FROM MCCONNELL AIR BASE RUNWAY, CRUSHED/STOCKPILED AT CORNEJO  
YARD, 235 AND MACARTHUR, WICHITA, CRUSHER #85.105

Station:	Dist & Lane:							Latitude N: 00.00000					Longitude W: -000.00000				
2 1.5 1	3/8	4	8	16	30	40	50	100	200	CF	LL	PI	% Wash:				
1 22 50	64	88	99	99	99	99	99	99	99.5	6.69							

F&T Soundness Ratio: 0.96 % AI: 0.00

% Moist:

Compressive Strength Ratio: 1 Day:

3 Day:

Color Test No:

KT 6 - I	Sp Gr (Dry): 2.229	SP Gr (sat): 2.360	App Sp Gr: 2.565	Abs: 5.9
KT 6 - II	Sp Gr (Dry):	SP Gr (sat):	App Sp Gr:	Abs:
KT 6 - III	Sp Gr:	% Wear (L.A.): 51	Grading: B	%CF:
		Micro Deval & Loss :	Grading:	
Del. Sust.	% Shale:	Soft/Friable:	%Mud Balls:	Sticks:

Remarks:

DATA ON FILE

MRC 14-0667

FILE CODE: 1-3



# Gradation Test Report

Plant 520003-West Robbins  
 Product 802-2-1/4" Crushed Concrete C.O.W (Tensar)  
 Specification 802 - 2-1/4" Crushed Concrete C.O.W (Tensar)



515927885

## Sample Information

Sample No 515927885  
 Date Sampled 05/31/2016 15:00  
 Sampled By Carson Lee  
 Type Shipping  
 Method Loader Stirred

Split Sample   
 Resample

## Gradation Results

Date Completed 05/31/2016 15:00

Tested By Carson Lee

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure
g	8850.20	8175.10	7790.30	8.3	4.7	

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
2 1/2" (63mm)	0.0	0.0	0.0	0.0	100.0		100-100	
2" (50mm)	0.0	0.0	0.0	0.0	100.0			
1 1/2" (37.5mm)	1180.1	1180.1	14.4	14.4	85.6			
1" (25mm)	1173.8	2353.9	14.4	28.8	71.2			
3/4" (19mm)	1016.4	3370.3	12.4	41.2	58.8		40-80	
1/2" (12.5mm)	1038.0	4408.3	12.7	53.9	46.1			
3/8" (9.5mm)	334.2	4742.5	4.1	58.0	42.0			
#4 (4.75mm)	790.2	5532.7	9.7	67.7	32.3		20-50	
#10 (2mm)	693.7	6226.4	8.5	76.2	23.8			
#30 (0.6mm)	744.7	6971.1	9.1	85.3	14.7			
#40 (0.425mm)	201.9	7173.0	2.5	87.7	12.3		6-20	
#50 (0.3mm)	204.7	7377.7	2.5	90.2	9.8			
#100 (0.15mm)	261.7	7639.4	3.2	93.4	6.6			
#200 (75µm)	113.5	7752.9	1.39	94.84	5.16		2-10	
Pan	34.4	7787.3	5.16	100.00	0.00			



June 1, 2016

RE: Certification Fill Sand

This letter is to certify that the material sold as Fill Sand out of Wichita Sand shall be removed from its naturally bedded state and stockpiled. The largest average sieve size shall be - No. 4. The material shall be clean and free of deleterious material such as sticks, mud, clay, lignite, and shale. Fill Sand does not conform to any specific gradation specification and may vary in size depending on production of material.

If I can be of further assistance, please call me at 316-469-3991

Sincerely,

John Brewer  
Sales – Cornejo Materials