

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibration Results**

Supplier : Vulcan Materials
Plant No. : 117
Design Lab : WTI

Date Received : 12/1/2011
Date Completed : 1/1/2012
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	B14	149.3	2.482	3.60%	-0.24	Yes - NN
C3/4 @ 5.0%	B1L	146.2	2.433	3.70%	0.11	Yes - NN
C3/4 @ 5.5%	B1Q	146.9	2.419	2.70%	0.24	Yes - NN
D1/2 @ 5.1%	B1U	146.4	2.439	3.80%	0.21	Yes - NN
D1/2 @ 5.6%	B1Y	146.6	2.425	3.10%	0.22	Yes - NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibration Results**

Supplier : Vulcan Materials
Plant No. : 130
Design Lab : WTI

Date Received : 12/1/2011
Date Completed : 1/1/2012
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	B14	147.7	2.482	4.60%	-0.17	Yes - NN
C3/4 @ 5.0%	B1L	147.6	2.477	4.50%	0.05	Yes - NN
C3/4 @ 5.5%	B1Q	145.9	2.453	4.70%	0.13	Yes - NN
D1/2 @ 5.1%	B1U	146.8	2.457	4.30%	0.11	Yes - NN
D1/2 @ 5.6%	B1Y	146.8	2.441	3.60%	-0.09	Yes - NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibration Results**

Supplier : Vulcan Materials
Plant No. : 131
Design Lab : WTI

Date Received : 12/1/2011
Date Completed : 1/1/2012
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	B14	147.8	2.489	4.90%	0.01	Yes - NN
C3/4 @ 5.0%	B1L	146.5	2.463	4.60%	0.07	Yes - NN
C3/4 @ 5.5%	B1Q	147	2.437	3.30%	0.21	Yes - NN
D1/2 @ 5.1%	B1U	146.6	2.464	4.60%	0.16	Yes - NN
D1/2 @ 5.6%	B1Y	146.5	2.434	3.60%	0.19	Yes - NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibtarion Results**

Supplier : Cemex Materials
Plant No. : 10531/1396
Design Lab : In-House

Date Received : 12/1/2011
Date Completed : 1/1/2012
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	1333312	147.9	2.478	4.30%	-0.3	Yes-NN
C3/4 @ 5.0%	1361755	148.6	2.433	2.10%	-0.35	Yes-NN
C3/4 @ 5.5%	1361760	148.1	2.414	1.70%	-0.33	Yes-NN
D1/2 @ 5.1%	1333314	146.4	2.44	3.80%	-0.32	Yes-NN
D1/2 @ 5.6%	1333317	147.6	2.417	2.10%	-0.31	Yes-NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibtarion Results**

Supplier : Cemex Materials
Plant No. : 11131/1386
Design Lab : In-House

Date Received : 12/1/2011
Date Completed : 1/1/2012
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	1333312	148.3	2.488	4.50%	-0.13	Yes-NN
C3/4 @ 5.0%	1333311	147.8	2.466	4.00%	-0.12	Yes-NN
C3/4 @ 5.5%	1333316	147.9	2.438	2.80%	-0.21	Yes-NN
D1/2 @ 5.1%	1333314	147.6	2.46	3.80%	-0.25	Yes-NN
D1/2 @ 5.6%	1333317	148.2	2.446	2.90%	-0.13	Yes-NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibration Results**

Supplier : Hanson
Plant No. : 35
Design Lab : In-House

Date Received : 12/1/2011
Date Completed : 01/01/12
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	3525PH	150.5	2.467	2.20%	-0.12	Yes-NN
C3/4 @ 5.0%	3519PH	148.5	2.427	1.90%	-0.04	Yes-NN
C3/4 @ 5.5%	3519PH	149.8	2.424	0.90%	-0.07	Yes-NN
D1/2 @ 5.1%	3512PH	148.9	2.441	2.30%	-0.07	Yes-NN
D1/2 @ 5.6%	3512PH	149.6	2.431	1.40%	-0.04	Yes-NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibtarion Results**

Supplier : Mesa Materials
Plant No. : Sun Plant
Design Lab : In-House

Date Received : 12/1/2011
Date Completed : 01/01/12
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	548	147.9	2.476	4.30%	0.23	Yes-NN
C3/4 @ 5.0%	541	147.4	2.454	3.80%	0.13	Yes-NN
C3/4 @ 5.5%	543	148	2.425	2.20%	0.19	Yes-NN
D1/2 @ 5.1%	527	147.2	2.434	3.10%	0.15	Yes-NN
D1/2 @ 5.6%	531	147.8	2.429	2.50%	0.23	Yes-NN
Rubberized						
Remarks						

**City of Phoenix
Asphalt Lab
2012 Annual Hot Plant Calibration Results**

Supplier : Southwest Asphalt
Plant No. : 4 & 7
Design Lab : In-House

Date Received : 12/1/2011
Date Completed : 1/1/2012
Completed By : N. Nalwood

Type of Mix	Product Code	Marshall	Rice	Voids	Ignition Corr. Factor	Gradation Verification
Conventional						
A 1-1/2 @ 4.3%	4543PHMGH2	150.1	2.499	3.70%	-0.25	Yes-NN
C3/4 @ 5.0%	4350PHMGH2	147.6	2.484	4.80%	-0.35	Yes-NN
C3/4 @ 5.5%	4355PLMGH2	148.3	2.452	3.10%	-0.27	Yes-NN
D1/2 @ 5.1%	4251PHMGH2	148.5	2.505	5.00%	-0.26	Yes-NN
D1/2 @ 5.6%	4256PLMGH2	148.1	2.463	3.70%	-0.32	Yes-NN
Rubberized						
Remarks						