



Materials Testing Laboratory
15700 E. 32nd Avenue
Aurora, Colorado 80011
(303)326-8270

MATERIAL PRE-QUALIFICATION FOR TYPE S75**APPROVED** For use until June 1, 2019

Company Name:	Aggregate Industries
Contact Person:	John Cheever (John.Cheever@Aggregate-US.com)
Mailing Address:	1705 S. Acoma Denver, CO 80223
Telephone No.:	303-588-9235
PLANT NAME:	Dahlia, Centennial, & Oxford
PLANT LOCATION:	Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	800072-18 (Mix 7)	UPPER LIMIT
Percentage of RAP	OK	0	0% RAP
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	91	97	100
Percent Passing 1/2" Sieve	80	86	92
Percent Passing 3/8" Sieve	70	76	82
Percent Passing No. 4 Sieve	59	64	69
Percent Passing No. 8 Sieve	41	46	51
Percent Passing No. 16 Sieve	29	34	39
Percent Passing No. 30 Sieve	19	23	27
Percent Passing No. 50 Sieve	11	15	19
Percent Passing No. 100 Sieve	5	9	13
Percent Passing No. 200 Sieve (Including 1% Lime)	3.5	5.5	7.5
Asphaltic Cement Content (%)	4.7	5.0	5.3
Maximum Unit Weight (pcf)		153.3	
Aggregate Bulk Specific Gravity		2.632	
Maximum Specific Gravity, AASHTO T 209		2.463	
Total Air Voids In Mix	3.0	4.1	5.0
Voids In Mineral Aggregate (VMA)	13.5	14.7	15.9
Hveem Stability	28	34	OK
Voids Filled With Asphalt (%)	65	72.2	78
Lottman Test (AASHTO T 283)	OK	85	
Dry Tensile Strength (psi)	OK	128	
Fine Aggregate Angularity	OK	45.6	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0	
Additives	OK	62	
Sodium Sulfate Soundness	OK	1	
Asphalt Cement Type		PG 64-22	Agg. Ind.
Additives	Lime	1%	Pete Lien



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MATERIAL PRE-QUALIFICATION FOR TYPE S 100

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Company Name:	Aggregate Industries
Contact Person:	John Cheever (john.cheever@aggregate-us.com)
Mailing Address:	1705 S Acoma Street
	Denver, CO 80223
Telephone No.:	303-588-9235

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	800077-18 (Mix 17)	UPPER LIMIT
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	93	99	100
Percent Passing 1/2" Sieve	83	89	95
Percent Passing 3/8" Sieve	75	77	87
Percent Passing No. 4 Sieve	59	56	69
Percent Passing No. 8 Sieve	43	44	53
Percent Passing No. 16 Sieve	29	33	39
Percent Passing No. 30 Sieve	20	24	28
Percent Passing No. 50 Sieve	11	16	19
Percent Passing No. 100 Sieve	5	10	13
Percent Passing No. 200 Sieve (Including 1% Lime)	4	6.2	8.0
Asphaltic Cement Content (%)	4.5	4.85	5.1
Maximum Unit Weight (pcf)		156.9	
Aggregate Bulk Specific Gravity		2.679	
Maximum Specific Gravity, AASHTO T 209		2.514	
Total Air Voids In Mix	3.0	3.6	5.0
Voids In Mineral Aggregate (VMA)	12.6	13.9	15
Hveem Stability	30	42	OK
Voids Filled With Asphalt (%)	65	74.2	75
Lottman Test (AASHTO T 283)	OK	92	
Dry Tensile Strength (psi)	OK	101	
Fine Aggregate Angularity	OK	45	
Two Fractured Faces	80	98	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	7.9	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.35	
Sand Equivalent, AASHTO L 176	OK	59	
Sodium Sulfate Soundness	OK	5.2	
Asphalt Cement Type* (Greater than 15% RAP Bump)	OK	PG 64-22	
Lime	Lime	1%	Pete Lien



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**MATERIAL PRE-QUALIFICATION FOR
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Company Name:	Aggregate Industries
Contact Person:	John Cheever (John.Cheever@Aggregate-US.com)
Mailing Address:	1705 S. Acoma Denver, CO 80223
Telephone No.:	303-588-9235
PLANT NAME:	Dahlia, Centennial, & Oxford
PLANT LOCATION:	Douglas County, Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	800085-18 (Mix 48)	UPPER LIMIT
Percentage of RAP	OK	15	25% Max
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	91	97	100
Percent Passing 1/2" Sieve	81	87	93
Percent Passing 3/8" Sieve	70	76	82
Percent Passing No. 4 Sieve	57	62	67
Percent Passing No. 8 Sieve	41	46	51
Percent Passing No. 16 Sieve	30	35	40
Percent Passing No. 30 Sieve	21	25	29
Percent Passing No. 50 Sieve	12	16	20
Percent Passing No. 100 Sieve	6	10	14
Percent Passing No. 200 Sieve (Including 1% Lime)	3.8	5.8	7.8
Asphaltic Cement Content (%)	4.7	5	5.3
Maximum Unit Weight (pcf)		153.6	
Aggregate Bulk Specific Gravity		2.648	
Maximum Specific Gravity, AASHTO T 209		2.468	
Total Air Voids In Mix	3.0	3.7	5.0
Voids In Mineral Aggregate (VMA)	13.6	14.8	16.4
Hveem Stability	28	42	OK
Voids Filled With Asphalt (%)	65	74.8	78
Lottman Test (AASHTO T 283)	OK	82	
Dry Tensile Strength (psi)	OK	132	
Fine Aggregate Angularity	OK	45.5	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	FAIL	N/A	
Additives	OK	55	
Sodium Sulfate Soundness	OK	1	
Asphalt Cement Type	OK	PG 64-22	Agg. Ind.
Additives	Lime	1%	Pete Lien



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**MATERIAL PRE-QUALIFICATION FOR
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Company Name:	Aggregate Industries
Contact Person:	John Cheever (John.Cheever@Aggregate-US.com)
Mailing Address:	1705 S. Acoma Denver, CO 80223
Telephone No.:	303-777-2592
PLANT NAME:	Dahlia, Centennial, & Oxford
PLANT LOCATION:	Douglas County, Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	800086-18 (Mix 53)	UPPER LIMIT
Percentage of RAP	OK	15	25% Max
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	94	100	100
Percent Passing 1/2" Sieve	89	95	100
Percent Passing 3/8" Sieve	79	85	91
Percent Passing No. 4 Sieve	65	70	75
Percent Passing No. 8 Sieve	49	54	59
Percent Passing No. 16 Sieve	35	40	45
Percent Passing No. 30 Sieve	24	28	32
Percent Passing No. 50 Sieve	14	18	22
Percent Passing No. 100 Sieve	6	10	14
Percent Passing No. 200 Sieve (Including 1% Lime)	3.9	5.9	7.9
Asphaltic Cement Content (%)	5	5.3	5.6
Maximum Unit Weight (pcf)		152.7	
Aggregate Bulk Specific Gravity		2.643	
Maximum Specific Gravity, AASHTO T 209		2.454	
Total Air Voids In Mix	3.0	4.4	5.0
Voids In Mineral Aggregate (VMA)	15.4	16.6	17.8
Hveem Stability	28	40	OK
Voids Filled With Asphalt (%)	65	73	78
Lottman Test (AASHTO T 283)	OK	97	
Dry Tensile Strength (psi)	OK	115	
Fine Aggregate Angularity	OK	45.9	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	18	
Flat And Elongated (Ration 5:1) %, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	FAIL	N/A	
Additives	OK	59	
Sodium Sulfate Soundness	OK	1	
Asphalt Cement Type	OK	PG 64-22	Agg. Ind.
Additives	Lime	1%	Pete Lien



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PLANT LOCATION:	Douglas County, Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	801493-18 (Mix 13)	UPPER LIMIT
Percentage of RAP	OK	20	25% Max
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	94	100	100
Percent Passing 1/2" Sieve	90	96	100
Percent Passing 3/8" Sieve	80	86	92
Percent Passing No. 4 Sieve	66	71	76
Percent Passing No. 8 Sieve	49	54	59
Percent Passing No. 16 Sieve	36	41	46
Percent Passing No. 30 Sieve	25	29	33
Percent Passing No. 50 Sieve	14	18	22
Percent Passing No. 100 Sieve	7	11	15
Percent Passing No. 200 Sieve (Including 1% Lime)	4.5	6.5	8.5
Asphaltic Cement Content (%)	5	5.3	5.6
Maximum Unit Weight (pcf)		152.4	
Aggregate Bulk Specific Gravity		2.647	
Maximum Specific Gravity, AASHTO T 209		2.448	
Total Air Voids In Mix	3.0	3.9	5.0
Voids In Mineral Aggregate (VMA)	14.6	15.8	17.0
Hveem Stability	28	40	OK
Voids Filled With Asphalt (%)	65	76	78
Lottman Test (AASHTO T 283)	OK	100	
Dry Tensile Strength (psi)	OK	109	
Fine Aggregate Angularity	OK	45.9	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	18	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	FAIL	N/A	
Additives	OK	59	
Sodium Sulfate Soundness	OK	1	
Asphalt Cement Type	PG58-28 Required	PG 58-28	Agg. Ind.
Additives	Lime	1%	Pete Lien



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**MATERIAL PRE-QUALIFICATION FOR
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Contact Person:	John Cheever (John.Cheever@Aggregate-US.com)
Mailing Address:	1705 S. Acoma Denver, CO 80223
Telephone No.:	303-588-9235
PLANT NAME:	Dahlia, Centennial, & Oxford
PLANT LOCATION:	Douglas County, Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	801501-18 (Mix 28)	UPPER LIMIT
Percentage of RAP	OK	20	25% Max
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	91	97	100
Percent Passing 1/2" Sieve	81	87	93
Percent Passing 3/8" Sieve	70	76	82
Percent Passing No. 4 Sieve	57	62	67
Percent Passing No. 8 Sieve	41	46	51
Percent Passing No. 16 Sieve	30	35	40
Percent Passing No. 30 Sieve	21	25	29
Percent Passing No. 50 Sieve	12	16	20
Percent Passing No. 100 Sieve	6	10	14
Percent Passing No. 200 Sieve (Including 1% Lime)	3.9	5.9	7.9
Asphaltic Cement Content (%)	4.7	5.0	5.3
Maximum Unit Weight (pcf)		153.9	
Aggregate Bulk Specific Gravity		2.652	
Maximum Specific Gravity, AASHTO T 209		2.473	
Total Air Voids In Mix	3.0	4.2	5.0
Voids In Mineral Aggregate (VMA)	13.9	15.1	16.4
Hveem Stability	28	43	OK
Voids Filled With Asphalt (%)	65	72	78
Lottman Test (AASHTO T 283)	OK	85	
Dry Tensile Strength (psi)	OK	131	
Fine Aggregate Angularity	OK	45.5	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	FAIL	N/A	
Additives	OK	55	
Sodium Sulfate Soundness	OK	1	
Asphalt Cement Type	PG58-28 Required	PG 58-28	Agg. Ind.
Additives	Lime	1%	Pete Lien



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MATERIAL PRE-QUALIFICATION FOR TYPE SG75 W/RAP
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Telephone No.:	303-777-2592
PLANT NAME:	Dahlia, Centennial, & Oxford
PLANT LOCATION:	Douglas County, Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	401506-18 (Mix 125)	UPPER LIMIT
Percentage of RAP	OK	20	25% Max
Percent Passing 1 1/2" Sieve	100	100	100
Percent Passing 1" Sieve	94	100	100
Percent Passing 3/4" Sieve	89	95	100
Percent Passing 1/2" Sieve	75	81	87
Percent Passing 3/8" Sieve	66	72	78
Percent Passing No. 4 Sieve	55	60	65
Percent Passing No. 8 Sieve	40	45	50
Percent Passing No. 16 Sieve	29	34	39
Percent Passing No. 30 Sieve	20	24	28
Percent Passing No. 50 Sieve	12	16	20
Percent Passing No. 100 Sieve	6	10	14
Percent Passing No. 200 Sieve (Including 1% Lime)	3.8	5.8	7.8
Asphaltic Cement Content (%)	4.1	4.4	4.7
Maximum Unit Weight (pcf)		154.6	
Aggregate Bulk Specific Gravity		2.655	
Maximum Specific Gravity, AASHTO T 209		2.484	
Total Air Voids In Mix	3.0	4.3	5.0
Voids In Mineral Aggregate (VMA)	13.2	14.4	15.6
Hveem Stability	28	N/A	OK
Voids Filled With Asphalt (%)	65	70	78
Lottman Test (AASHTO T 283)	OK	N/A	
Dry Tensile Strength (psi)	OK	N/A	
Fine Aggregate Angularity	OK	45.8	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	24	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0.0	
Adherent Coating (Dry Sieving) ASTM D 5711	FAIL	N/A	
Additives	OK	76	
Sodium Sulfate Soundness	OK	1.0	
Asphalt Cement Type	PG58-28 Required	PG58-28	Agg. Ind.
Additives	Lime	1%	Pete Lien



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PLANT LOCATION:	Douglas County, Commerce City, Englewood

JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	8001491-18 (Mix 8)	UPPER LIMIT
Percentage of RAP	OK	25	25% Max
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	91	97	100
Percent Passing 1/2" Sieve	83	89	95
Percent Passing 3/8" Sieve	73	79	85
Percent Passing No. 4 Sieve	60	65	70
Percent Passing No. 8 Sieve	44	49	54
Percent Passing No. 16 Sieve	32	37	42
Percent Passing No. 30 Sieve	22	26	30
Percent Passing No. 50 Sieve	13	17	21
Percent Passing No. 100 Sieve	7	11	15
Percent Passing No. 200 Sieve (Including 1% Lime)	4.4	6.4	8.4
Asphaltic Cement Content (%)	4.7	5.0	5.3
Maximum Unit Weight (pcf)		154.0	
Aggregate Bulk Specific Gravity		2.655	
Maximum Specific Gravity, AASHTO T 209		2.474	
Total Air Voids In Mix	3.0	3.7	5.0
Voids In Mineral Aggregate (VMA)	14.0	15.2	16.4
Hveem Stability	28	43	OK
Voids Filled With Asphalt (%)	65	76	78
Lottman Test (AASHTO T 283)	OK	84	
Dry Tensile Strength (psi)	OK	114	
Fine Aggregate Angularity	OK	45.5	
Two Fractured Faces	80	100	
L. A. Abrasion	OK	23	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	FAIL	N/A	
Additives	OK	55	
Sodium Sulfate Soundness	OK	1	
Asphalt Cement Type	PG58-28 Required	PG 58-28	Agg. Ind.
Additives	Lime	1%	Pete Lien