



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

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**MATERIAL PRE-QUALIFICATION FOR  
TYPE SG75 W/RAP  
APPROVED** For use until June 1, 2019

<b>Company Name:</b>	<b>ASPHALT SPECIALTIES, INC.</b>
<b>Contact Person:</b>	<b>Scott Conner (scottc@asphaltspecialties.com)</b>
<b>Mailing Address:</b>	<b>10100 Dallas Street Henderson, Colorado 80640</b>
<b>Telephone No.:</b>	<b>303-289-8555</b>
<b>PLANT NAME:</b>	<b>Huron Asphalt Plant</b>
<b>PLANT LOCATION:</b>	<b>6555 Huron Street, Denver, CO</b>

**JOB MIX SPECIFICATION**

<b>Product Identification Code: (AS FOUND ON DELIVERY TICKET)</b>	<b>LOWER LIMIT</b>	<b>H1BM20</b>	<b>UPPER LIMIT</b>
Percentage of RAP	OK	<b>20</b>	25% Max
Percent Passing 1 1/2" Sieve	100	<b>100</b>	100
Percent Passing 1" Sieve	90	<b>96</b>	100
Percent Passing 3/4" Sieve	82	<b>88</b>	94
Percent Passing 1/2" Sieve	75	<b>81</b>	87
Percent Passing 3/8" Sieve	65	<b>71</b>	77
Percent Passing No. 4 Sieve	49	<b>54</b>	59
Percent Passing No. 8 Sieve	38	<b>43</b>	48
Percent Passing No. 16 Sieve	24	<b>29</b>	34
Percent Passing No. 30 Sieve	16	<b>20</b>	24
Percent Passing No. 50 Sieve	8	<b>12</b>	16
Percent Passing No. 100 Sieve	3	<b>7</b>	11
Percent Passing No. 200 Sieve (Including 1% Lime)	3.5	<b>5.5</b>	7.5
Asphaltic Cement Content (%)	4	<b>4.3</b>	4.6
Maximum Unit Weight (pcf)		<b>159.1</b>	
Aggregate Bulk Specific Gravity		<b>2.461</b>	
Maximum Specific Gravity, AASHTO T 209		<b>2.557</b>	
Total Air Voids In Mix	<b>3.0</b>	<b>3.8</b>	<b>5.0</b>
Voids In Mineral Aggregate (VMA)	12	<b>13.2</b>	14.4
Voids Filled With Asphalt (%)	65	<b>71.6</b>	78
Lottman Test (AASHTO T 283)	OK	<b>92</b>	
Dry Tensile Strength (psi)	OK	<b>97</b>	
Fine Aggregate Angularity	OK	<b>46</b>	
Two Fractured Faces	80	<b>92</b>	
L. A. Abrasion	OK	<b>18</b>	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	<b>0</b>	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	<b>0.3</b>	
Additives	OK	<b>68</b>	
Sodium Sulfate Soundness	OK	<b>10</b>	
Asphalt Cement Type	<b>PG58-28 Required</b>	<b>PG58-28</b>	<b>Holly Frontier</b>
Additives	<b>Lime</b>	<b>1%</b>	Pete Lien



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**MATERIAL PRE-QUALIFICATION FOR  
TYPE S75 w/20%RAP  
APPROVED For use until June 1, 2019**

<b>Company Name:</b>	<b>Asphalt Specialties</b>
<b>Contact Person:</b>	<b>Scott Conner / SCOTTC@asphaltspecialties.com</b>
<b>Mailing Address:</b>	<b>10100 Dallas Street Henderson, CO 80640</b>
<b>Telephone No.:</b>	<b>303-289-7707</b>
<b>PLANT NAME:</b>	<b>Henderson Plant</b>
<b>PLANT LOCATION:</b>	<b>9113 Quince St</b>

**JOB MIX SPECIFICATION**

<b>Product Identification Code: (AS FOUND ON DELIVERY TICKET)</b>	<b>LOWER LIMIT</b>	<b>H3BM20-18</b>	<b>UPPER LIMIT</b>
Percentage of RAP	OK	<b>20</b>	20% Max
Percent Passing 1" Sieve	100	<b>100</b>	100
Percent Passing 3/4" Sieve	90	<b>96</b>	100
Percent Passing 1/2" Sieve	72	<b>78</b>	84
Percent Passing 3/8" Sieve	68	<b>74</b>	80
Percent Passing No. 4 Sieve	58	<b>63</b>	68
Percent Passing No. 8 Sieve	44	<b>49</b>	54
Percent Passing No. 16 Sieve	34	<b>39</b>	44
Percent Passing No. 30 Sieve	24	<b>28</b>	32
Percent Passing No. 50 Sieve	14	<b>18</b>	22
Percent Passing No. 100 Sieve	7	<b>11</b>	15
Percent Passing No. 200 Sieve (Including 1% Lime)	4.3	<b>6.3</b>	8.3
Asphaltic Cement Content (%)	4.6	<b>4.9</b>	5.2
Maximum Unit Weight (pcf)		<b>157.5</b>	
Aggregate Bulk Specific Gravity		<b>2.694</b>	
Maximum Specific Gravity, AASHTO T 209		<b>2.524</b>	
Total Air Voids In Mix	<b>3.0</b>	<b>3.8</b>	<b>5.0</b>
Voids In Mineral Aggregate (VMA)	13.1	<b>14.3</b>	15.5
Hveem Stability	28	<b>41</b>	OK
Voids Filled With Asphalt (%)	65	<b>73</b>	78
Lottman Test (AASHTO T 283)	OK	<b>90</b>	
Dry Tensile Strength (psi)	OK	<b>91</b>	
Fine Aggregate Angularity	OK	<b>47</b>	
Two Fractured Faces	80	<b>100</b>	
L. A. Abrasion	OK	<b>30</b>	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	<b>1</b>	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	<b>0.2</b>	
Additives	OK	<b>64</b>	
Sodium Sulfate Soundness	OK	<b>3</b>	
Asphalt Cement Type	<b>PG58-28 Required</b>	<b>PG 58-28</b>	<b>Suncor</b>
Additives	<b>Lime</b>	<b>1%</b>	Pete Lien



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TYPE S75  
APPROVED** For use until June 1, 2019

<b>Company Name:</b>	<b>Asphalt Specialties</b>
<b>Contact Person:</b>	<b>Scott Conner / SCOTTC@asphaltspecialties.com</b>
<b>Mailing Address:</b>	<b>10100 Dallas Street Henderson, CO 80640</b>
<b>Telephone No.:</b>	<b>303-289-7707</b>
<b>PLANT NAME:</b>	<b>Huron Plant</b>
<b>PLANT LOCATION:</b>	<b>6555 Hurons St, Denver, CO</b>

**JOB MIX SPECIFICATION**

<b>Product Identification Code: (AS FOUND ON DELIVERY TICKET)</b>	<b>LOWER LIMIT</b>	<b>H3BN00-18</b>	<b>UPPER LIMIT</b>
Percentage of RAP	OK	0	0% RAP
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	93	99	100
Percent Passing 1/2" Sieve	82	88	94
Percent Passing 3/8" Sieve	71	77	83
Percent Passing No. 4 Sieve	51	56	61
Percent Passing No. 8 Sieve	36	41	46
Percent Passing No. 16 Sieve	24	29	34
Percent Passing No. 30 Sieve	16	20	24
Percent Passing No. 50 Sieve	8	12	16
Percent Passing No. 100 Sieve	4	8	12
Percent Passing No. 200 Sieve (Including 1% Lime)	3.9	5.9	7.9
Asphaltic Cement Content (%)	4.6	4.9	5.2
Maximum Unit Weight (pcf)		157.8	
Aggregate Bulk Specific Gravity		2.712	
Maximum Specific Gravity, AASHTO T 209		2.535	
Total Air Voids In Mix	3.0	3.9	5.0
Voids In Mineral Aggregate (VMA)	13.3	14.5	15.7
Hveem Stability	28	43	OK
Voids Filled With Asphalt (%)	65	73.5	78
Lottman Test (AASHTO T 283)	OK	96	
Dry Tensile Strength (psi)	OK	108	
Fine Aggregate Angularity	OK	46	
Two Fractured Faces	80	90	
L. A. Abrasion	OK	20	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.2	
Additives	OK	67	
Sodium Sulfate Soundness	OK	7	
Asphalt Cement Type		PG64-22	Suncor
Additives	Lime	1%	Pete Lien



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**MATERIAL PRE-QUALIFICATION FOR  
TYPE SX75 W 20% RAP– PRIVATE USE ONLY  
APPROVED For use until June 1, 2019**

<b>Company Name:</b>	<b>Asphalt Specialties, Inc.</b>
<b>Contact Person:</b>	<b>Scott Conner (scottc@asphaltspecialties.com)</b>
<b>Mailing Address:</b>	<b>10100 Dallas St Henderson, CO, 80640</b>
<b>Telephone No.:</b>	<b>303-289-8555</b>
<b>PLANT NAME:</b>	<b>Huron Asphalt Plant</b>
<b>PLANT LOCATION:</b>	<b>6555 Huron St, Denver, CO</b>

**JOB MIX SPECIFICATION**

<b>Product Identification Code: (AS FOUND ON DELIVERY TICKET)</b>	<b>LOWER LIMIT</b>	<b>H5BM20-18</b>	<b>UPPER LIMIT</b>
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	91	97	100
Percent Passing 3/8" Sieve	78	84	90
Percent Passing No. 4 Sieve	57	62	67
Percent Passing No. 8 Sieve	43	48	53
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)	4.6	6.6	8.6
Asphaltic Cement Content (%)	5	5.3	5.6
Maximum Unit Weight (pcf)		157.2	
Aggregate Bulk Specific Gravity		2.435	
Maximum Specific Gravity, AASHTO T 209		2.526	
Total Air Voids In Mix	3.0	3.6	5.0
Voids In Mineral Aggregate (VMA)	13.9	15.1	16.4
Hveem Stability	28	40	
Voids Filled With Asphalt (%)	65	76.2	78
Lottman Test (AASHTO T 283)	OK	96	
Dry Tensile Strength (psi)	OK	98	
Fine Aggregate Angularity	OK	46	
Two Fractured Faces	80	88	
L. A. Abrasion	OK	19	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.3	
Additives	OK	68	
Sodium Sulfate Soundness	OK	6	
Asphalt Cement Type	<b>PG58-28 Required</b>	<b>PG 58-28</b>	<b>Suncor</b>
Additives	<b>Lime</b>	<b>1%</b>	<b>Pete Lien</b>





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**MATERIAL PRE-QUALIFICATION FOR  
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<b>Contact Person:</b>	<b>Scott Conner (scottc@asphaltspecialties.com)</b>
<b>Mailing Address:</b>	<b>10100 Dallas St Henderson, CO, 80640</b>
<b>Telephone No.:</b>	<b>303-289-8555</b>
<b>PLANT NAME:</b>	<b>Huron Asphalt Plant</b>
<b>PLANT LOCATION:</b>	<b>6555 Huron St, Denver, CO</b>

**JOB MIX SPECIFICATION**

<b>Product Identification Code: (AS FOUND ON DELIVERY TICKET)</b>	<b>LOWER LIMIT</b>	<b>H5BN00-18</b>	<b>UPPER LIMIT</b>
Percentage of RAP	OK		0% RAP
Percent Passing 1" Sieve	100	100	100
Percent Passing 3/4" Sieve	100	100	100
Percent Passing 1/2" Sieve	92	98	100
Percent Passing 3/8" Sieve	82	88	94
Percent Passing No. 4 Sieve	60	65	70
Percent Passing No. 8 Sieve	42	47	52
Percent Passing No. 16 Sieve	27	32	37
Percent Passing No. 30 Sieve	18	22	26
Percent Passing No. 50 Sieve	10	14	18
Percent Passing No. 100 Sieve	5	9	13
Percent Passing No. 200 Sieve (Including 1% Lime)	4.3	6.3	8.3
Asphaltic Cement Content (%)	4.9	5.2	5.5
Maximum Unit Weight (pcf)		157.5	
Aggregate Bulk Specific Gravity		2.714	
Maximum Specific Gravity, AASHTO T 209		2.53	
Total Air Voids In Mix	3.0	3.8	5.0
Voids In Mineral Aggregate (VMA)	14.5	15	16.4
Hveem Stability	28	43	OK
Voids Filled With Asphalt (%)	65	74.9	78
Lottman Test (AASHTO T 283)	OK	90	
Dry Tensile Strength (psi)	OK	112	
Fine Aggregate Angularity	OK	46	
Two Fractured Faces	80	84	
L. A. Abrasion	OK	21	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	0	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	0.2	
Additives	OK	68	
Sodium Sulfate Soundness	OK	7	
Asphalt Cement Type		PG64-22	Suncor
Additives	Lime	1%	Pete Lien



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## MATERIAL PRE-QUALIFICATION FOR TYPE SMA

**APPROVED** For use until June 1, 2019

<b>Company Name:</b>	<b><i>Asphalt Specialties, Inc.</i></b>
<b>Contact Person:</b>	<b>Scott Conner / <a href="mailto:scottc@asphaltspecialties.com">scottc@asphaltspecialties.com</a></b>
<b>Mailing Address:</b>	<b>10100 Dallas Street Henderson, CO 80640</b>
<b>Telephone No.:</b>	<b>303-289-8555</b>

### JOB MIX SPECIFICATION

Product Identification Code: (AS FOUND ON DELIVERY TICKET)	LOWER LIMIT	H7CP00-18	UPPER LIMIT
Percent Passing 1" Sieve	100	<b>100</b>	100
Percent Passing 3/4" Sieve	90	<b>94</b>	100
Percent Passing 1/2" Sieve	51	<b>57</b>	63
Percent Passing 3/8" Sieve	41	<b>47</b>	53
Percent Passing No. 4 Sieve	22	<b>27</b>	32
Percent Passing No. 8 Sieve	16	<b>18</b>	23
Percent Passing No. 16 Sieve	11	<b>16</b>	21
Percent Passing No. 30 Sieve	9	<b>13</b>	17
Percent Passing No. 50 Sieve	8	<b>12</b>	16
Percent Passing No. 100 Sieve	6	<b>10</b>	14
Percent Passing No. 200 Sieve (Including 1% Lime)	8	<b>8.5</b>	10.5
Asphaltic Cement Content (%)	5.5	<b>5.8</b>	6.1
Maximum Unit Weight (pcf)		<b>156.3</b>	
Aggregate Bulk Specific Gravity		<b>2.749</b>	
Maximum Specific Gravity, AASHTO T 209		<b>2.511</b>	
Total Air Voids In Mix	<b>3.0</b>	<b>3.5</b>	<b>5.0</b>
Voids In Mineral Aggregate (VMA)	15.8	<b>17</b>	18.2
Hveem Stability	30	<b>N/A</b>	OK
Voids Filled With Asphalt (%)	65	<b>79.2</b>	80
Lottman Test (AASHTO T 283)	OK	<b>97</b>	
Dry Tensile Strength (psi)	OK	<b>97</b>	
Fine Aggregate Angularity	FAIL	<b>45</b>	
Two Fractured Faces	80	<b>99</b>	
L. A. Abrasion	OK	<b>20</b>	
Flat And Elongated (Ratio 5:1)%, AASHTO M 283	OK	<b>0</b>	
Adherent Coating (Dry Sieving) ASTM D 5711	OK	<b>0.2</b>	
Sand Equivalent, AASHTO L 176	OK	<b>71</b>	
Sodium Sulfate Soundness	OK	<b>8</b>	
Asphalt Cement Type* ( Greater than 15% RAP Bump)		<b>PG76-28</b>	Suncor
<b>Lime</b>	<b>Lime</b>	<b>1%</b>	Pete Lien
<b>Cellulose Fiber</b>	<b>Cellulose Fiber</b>	<b>0.3%</b>	
<b>Limestone Dust</b>	<b>Mineral Filler</b>	<b>4%</b>	Pete Lien