

1	<u>DIVISION5.GR5</u>	SURFACE TREATMENTS AND PAVEMENTS
2		
3	<u>01.GR5</u>	CEMENT CONCRETE PAVEMENT REHABILITATION
4		
5	<u>0103.GR5</u>	Construction Requirements
6		
7	<u>01031A1.GR5</u>	Submittals
8		(April 3, 2006)
9		Include in all projects when pH monitoring is a condition of
10		a 401 Water Quality Certification, or other permit. Do not
11		use in projects covered by a NPDES General Construction
12		Permit. <i>Must also use 0105.GR5, 05031B.GR5, 0505.GR5,</i>
13		<i>023003.GB6, 025A4.GB6, 0103A.GR8, 01031A.GR8, and</i>
14		<i>1005.GR8.</i>
15		
16	<u>0105.GR5</u>	Payment
17		(April 3, 2006)
18		<i>Must include with 01031A1.GR5, 05031B.GR5, 0505.GR5,</i>
19		<i>023003.GB6, 025A4.GB6, 0103A.GR8, 01031A.GR8, and</i>
20		<i>0105.GR8.</i>
21		
22	<u>02.GR5</u>	BITUMINOUS SURFACE TREATMENT
23		
24	<u>0201.GR5</u>	Description
25		
26	<u>0201A.GR5</u>	(Coal Tar/Asphalt Emulsion Blended Sealer)
27		(August 6, 2007)
28		Use in projects where Hot Mix Asphalt requires added
29		protection from spilled fluids such as solvents, hydraulic
30		fluids, diesel, gas or other oil products that dissolve hot mix
31		asphalt products. The typical location for the application of
32		Coal Tar/Asphalt Emulsion Blended Sealer would be in Rest
33		Areas or Weigh Stations.
34		<i>Must also use 0202A.GR5, 0203A.GR5, 0204A.GR5, and</i>
35		<i>0205A.GR5.</i>
36		
37	<u>0202.GR5</u>	Materials
38		
39	<u>0202A.GR5</u>	(Coal Tar Emulsion Seal Coat)
40		(August 6, 2007)
41		<i>Must use with 0201A.GR5, 0203A.GR5, 0204A.GR5, and</i>
42		<i>0205A.GR5</i>
43		
44	<u>0203.GR5</u>	Construction Requirements
45		
46	<u>0203A.GR5</u>	(Coal Tar/Asphalt Emulsion Blended Sealer)
47		(August 6, 2007)
48		<i>Must use with 0201A.GR5, 0202A.GR5, 0204A.GR5, and</i>
49		<i>0205A.GR5</i>
50		
51	<u>020303.GR5</u>	Application Of Asphalt

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[0203031.FR5](#)

(BST New Construction)
(August 6, 2007)
*May use with **0203032.FR5**.*
Use in projects requiring a Bituminous Surface Treatment on a newly constructed roadway.
(2 fill-ins)

[0203032.FR5](#)

(BST Seal Coat)
(August 6, 2007)
*May use with **0203031.FR5**.*
Use in projects requiring a Bituminous Surface Treatment seal coat on an existing roadway.
(1 fill-in)

[0204.GR5](#)

Measurement

[0204A.GR5](#)

(Coal Tar/Asphalt Emulsion Blended Sealer)
(August 6, 2007)
*Must use with **0201A.GR5, 0202A.GR5, 0203A.GR5, and 0205A.GR5***

[02041.GR5](#)

(BST existing road approaches)
(March 13, 1995)
*Must also use **02051.GR5**.*
Use in BST projects when there are a substantial number of existing road approaches to be paved and the extra cost of labor for paving approaches becomes a factor in determining the bid price for BST.

[02042.GR5](#)

(CRS-2P Cost Price Adjustment Measurement)
(April 6, 2009)
Include in all BST projects. *Must include **02052.GR5** and **standard item #5294**.*

[0205.GR5](#)

Payment

[0205A.GR5](#)

(Coal Tar/Asphalt Emulsion Blended Sealer)
(August 6, 2007)
*Must use with **0201A.GR5, 0202A.GR5, 0203A.GR5, and 0204A.GR5***

1	040303A2.GR5	(Material Transfer Vehicle)
2		(August 3, 2009)
3		Use in projects containing Hot Mix Asphalt when only
4		an MTV is to be used (no MTD). Use requires
5		approval of the Region Construction Office.
6		
7		
8	040305.GR5	Conditioning of Existing Surface
9		
10	040305C.GR5	Crack Sealing
11		Must use with 040305C1.GR5 or 040305C2.GR5 .
12		
13	040305C1.GR5	(Crack Sealing)
14		(December 6, 2004)
15		At the region's discretion use at the following locations:
16		In areas where HMA will not be placed over the crack
17		sealing such as on shoulders of a grind and inlay
18		project.
19		In areas where BST will be the only material placed
20		over the crack sealing such as chip seal projects.
21		
22	040305C2.GR5	(Crack Sealing)
23		(December 6, 2004)
24		At the region's discretion use on paving projects with
25		prelevel or multiple courses.
26		
27	040307.GR5	Preparation of Aggregates
28		
29	040307A.GR5	Mix Design
30		
31	040307A1.GR5	(Mix Design Verification)
32		(August 3, 2009)
33		Use at the discretion of the Region. Consider
34		using when paving is a critical activity and
35		contract time does not include working days for
36		HMA mix design verification. Not recommended
37		for use on projects with adequate time for mix
38		design verification prior to HMA placement, or
39		when other mechanisms (such as a flexible start
40		date) allow verification to be performed without
41		causing a delay to critical paving activities.
42		
43	040308.GR5	Mixing
44		
45	040308A.GR5	Acceptance Sampling and Testing - HMA Mixture
46		Must use with 040308A1.FR5 .
47		
48	040308A1.FR5	Commercial HMA Evaluation
49		(January 5, 2004)

1 Use in projects where the area that commercial
2 hot mix asphalt is to be used is not identified in
3 the Standard Specifications
4 (1 fill-in)

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6 [040308A4.GR5](#)

Definition of Sampling Lot and Sublot

7
8 [040308A401.FR5](#)

HMA Mixture Sublot Size 1200

(August 3, 2009)

9 Use in projects containing 20,000+ tons
10 of Hot Mix Asphalt that is all of the same
11 class and PG grade when the paving
12 operation is anticipated to place 2,500 or
13 more tons per day. Use requires approval
14 of the Region Construction Office. The
15 GSP HMA Compaction Sublot Size 120
16 should typically be used with this GSP.
17 Must use with **040308A4.GR5**.

18 (1 fill-in)

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21 [040308A402.FR5](#)

HMA Mixture Sublot Size 1600

(August 3, 2009)

22 Use in projects containing 30,000+ tons
23 of Hot Mix Asphalt that is all of the same
24 class and PG grade when the paving
25 operation is anticipated to place 2,500 or
26 more tons per day. Use requires approval
27 of the Region Construction Office. The
28 GSP HMA Compaction Sublot Size 160
29 should typically be used with this GSP.

30 (1 fill-in)

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33 [0403010B.GR5](#)

Control

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35 [0403010B1.GR5](#)

HMA Shoulder Compaction

(August 3, 2009)

36 Use in projects to add compaction control on the
37 shoulders.

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40 [0403010B2.GR5](#)

HMA Compaction Sublot Size 120

(August 3, 2009)

41 Use in projects containing 20,000+ tons of Hot Mix
42 Asphalt when the paving operation is anticipated
43 to place 2,500 or more tons per day. The GSP
44 HMA Mixture Sublot Size 1200 should be used
45 with this GSP. Use requires approval of the
46 Region Construction Office.

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49 [0403010B3.GR5](#)

HMA Compaction Sublot Size 160

(August 3, 2009)

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Use in projects containing 30,000+ tons of Hot Mix Asphalt when the paving operation is anticipated to place 2,500 or more tons per day. The GSP HMA Mixture Sublot Size 1600 should be used with this GSP. Use requires approval of the Region Construction Office.

[0403010B4.GR5](#)

HMA Prelevel Compaction
(August 3, 2009)

Use in projects to require a pneumatic tire roller for the compaction of all prelevel.

[040312.GR5](#)

Joints

[0403121.GR5](#)

(Feathering Hot Mix Asphalt)
(January 5, 2004)

Use in projects requiring the feathering of hot mix asphalt. May be used with the recommendation of the Region Construction Engineer.

[040313.GR5](#)

Surface Smoothness

[0403130.FR5](#)

(Surface Smoothness)
(April 24, 2006)

Use in all projects that contain HMA paving at the discretion of the Region Construction Manager. Paving must be a minimum of one mile in length. For accurate measurements, the HQ Materials Lab profiler must be able to move through the sections to be measured unimpeded at a minimum speed of 35 MPH. Notification must be made to HQ Materials Lab Pavements section in order to schedule the post paving IRI determination. Fill-ins #1-6 are to be provided by the HQ Materials lab Pavements section. *Use with **04042.GR5** and **04053.FR5**. Do not use with **0403132.FR5** or **0403133.GR5**.*

(6 fill-ins) Contact John Livingstron, Pavements Special Projects Manager at 360/709-5472 to schedule the IRI determination and to complete the fill-ins.

[0403132.FR5](#)

(Smoothness requirements)
(March 13, 1995)

Use in projects with roadways to be paved that have posted speeds both greater than and less than 45 MPH. Do not use with **0403130.FR5**.

(1 fill-in)

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[0403133.GR5](#)

(Smoothness requirements)
(January 5, 2004)
Use in projects with all roadways to be paved are posted less than 45 MPH. Do not use with 0403130.FR5.

[040314.GR5](#)

Planing Bituminous Pavement

[0403140.FR5](#)

(January 5, 2004)
Use in projects when it is necessary to control the time the planed area will be open and exposed to traffic prior to paving.
(1 fill-in)

[0403141.GR5](#)

(Requires test section and smoothness requirements)
(January 5, 2004)
Use in projects with large quantities of planing. When using this GSP consider the need to control the amount of time the planed area is open to traffic by adding **0403140.FR5** where appropriate.

[0403143.GR5](#)

Vertical Edge Planing

(March 13, 1995)
Use in projects when planed lanes shall be paved prior to being open to traffic.

[0403144.GR5](#)

Beveled Edge Planing

(August 3, 2009)
Use in projects when a beveled edge is required on a planed lane that will be opened to traffic prior to paving. The GSP is required for depths greater than 0.20 feet and may be used with the recommendation of the Region Construction Engineer for depths up to 0.20 feet. When using this GSP consider the need to control the amount of time the planed area is open to traffic by adding 0403140.FR5 where appropriate.

[040316.FR5](#)

Weather Limitations

(August 3, 2009)
Use in projects when it is anticipated that paving will be conducted in the Fall.
(1 fill-in) (Fill-in to be provided by Region Materials Engineer)

[040321.FR5](#)

Asphalt Binder Revision

(August 3, 2009)
Use in projects when the Contracting Agency provides a source of aggregate for HMA.
(1 fill-in) (Fill-in to be provided by Region Materials Engineer)

[0404.GR5](#)

Measurement

1	04042.GR5	(Surface Smoothness)
2		(April 24, 2006)
3		<i>Must include with 0403130.FR5 and 04053.FR5.</i>
4		
5	04044.GR5	(Asphalt Cost Price Adjustment)
6		(September 5, 2006)
7		Include in all projects containing Hot Mix Asphalt. <i>Must</i>
8		<i>include 04054.GR5 and standard item 5837.</i>
9		
10	04046.GR5	(Asphalt Binder Revision)
11		(August 3, 2009)
12		Must include with 04056.GR5 .
13		
14	0405.GR5	Payment
15		
16	0405A.GR5	<i>Must use with 04053.FR5 or 04054.GR5, or 04056.GR5.</i>
17		
18	04053.FR5	(Surface Smoothness)
19		(April 24, 2006)
20		<i>Must include with 0403130.FR5 and 04042.GR5.</i>
21		
22		Fill-in is the appropriate Pay Adjustment Schedule as
23		determined using the criteria below.
24		
25		<u>Pay Adjustment Schedule 1</u> = Interstate highways, new
26		pavement construction or multiple lift pavement overlays (at
27		least one (1) leveling course + wearing course).
28		
29		Note: Pre-leveling allowances are not to be counted as a
30		leveling course paving lift with respect to this definition.
31		
32		<u>Pay Adjustment Schedule 2</u> = Single lift pavement
33		overlays with allowance for surface variance corrections
34		with smoothness averaging devices (paving skis) or full
35		width pavement milling (including shoulder) with single lift
36		replacement overlay.
37		
38		Note: Sufficient preleveling and/or pavement thickness
39		variance allowances should be included to repair obvious
40		existing deficiencies (humps, valleys, ruts etc.).
41		
42		<u>Pay Adjustment Schedule 3</u> = Smoothness will be difficult
43		to attain or when risk associated with meeting a
44		smoothness criteria is unknown. Examples include
45		matching to existing concrete gutter lines; sections with
46		multiple surface utility structures; intersections; multiple skip
47		sections resulting in short paving lengths; and
48		milling/replacement paving where both the shoulder and
49		adjacent lane is not also milled. Bonus incentives are
50		applied to encourage maximum effort to obtain smooth
51		pavements in difficult applications.
52		(1 fill-in)

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04054.GR5

(Asphalt Cost Price Adjustment)
(September 8 2008)
Include in all projects containing Hot Mix Asphalt.
Must include **04044.GR5** and **standard item 5837**.
**To determine the Engineers Estimate for this bid item,
refer to the guidance at:**
<http://www.wsdot.wa.gov/Projects/ProjectMgmt/RiskAssessment/Information.htm>

04056.GR5

(Asphalt Binder Revision)
(August 3, 2009)
Must include with **04046.GR5**.

05.GR5

CEMENT CONCRETE PAVEMENT

0503.GR5

Construction Requirements

050301.GR5

Concrete Mix Design for Paving

050301A.GR5

(Combined Aggregate Concrete Gradation)
(April 3, 2006)
Use in all projects that require cement concrete
pavement.

05031B.GR5

Submittals

(April 3, 2006)
Include in all projects when pH monitoring is a condition of
a 401 Water Quality Certification, or other permit. **Do not
use** in projects covered by an NPDES General Construction
Permit. *Must also use* **0505.GR5, 01031A1.GR5,
0105.GR5, 023003.GB6, 025A4.GB6, 0103A.GR8,
01031A.GR8, and 0105.GR8.**

0505.GR5

Payment

(April 3, 2006)
Must include with **05031B.GR5, 01031A1.GR5, 0105.GR5,
023003.GB6, 025A4.GB6, 0103A.GR8, 01031A.GR8, and
0105.GR8.**