1	DIVISION5.GR5	Surface Tro	eatments and Pavements
2 3 4	<u>5-01.GR5</u>	Cement Co	oncrete Pavement Rehabilitation
5	<u>5-01.1.GR5</u>	Descr	ription
6 7 8 9	<u>5-01.1.INST1</u>		Section 5-01.1 is supplemented with the following) lust use once preceding any of the following:
10 11 12 13 14 15	<u>5-01.1.OP</u>	<u>T1.GR5</u>	(Partial Depth Spall Repair) (September 7, 2021) Use in projects that have the Bid item "Partial Depth Spall Repair", by force account. Must also use 5-01.2.OPT1.GR5 & 5-01.3(5).OPT1.GR5 .
16 17	<u>5-01.2.GR5</u>	Mater	ials
18 19	<u>5-01.2.INST1</u>		Section 5-01.2 is supplemented with the following) lust use once preceding any of the following:
20 21 22 23 24 25	<u>5-01.2.OP</u>	<u>T1.GR5</u>	(Partial Depth Spall Repair) (November 4, 2024) Use in projects that have the Bid item "Partial Depth Spall Repair", by force account. Must also use 5-01.1.OPT1.GR5 & 5-01.3(5).OPT1.GR5 .
26 27 28	<u>5-01.3.GR5</u>	Cons	truction Requirements
29 30	5-01.3(5).GR	<u>5</u> P	artial Depth Spall Repair
31 32 33	<u>5-01.3(5).l</u>	NST1.GR5	(Section 5-01.3(5) is revised to read) Must use once preceding any of the following:
34 35 36 37 38	<u>5-01.3(</u>	5).OPT1.GR	(Partial Depth Spall Repair) (November 4, 2024) Use in projects that have the Bid item "Partial Depth Spall Repair", by force account. Must also use 5-01.1.OPT1.GR5 & 5-01.2.OPT1.GR5.
39 40	5-01.3(9).GR	<u>5</u> P	ortland Cement Concrete Pavement Grinding
41 42 43	<u>5-01.3(9).ll</u>	NST1.GR5	(Section 5-01.3(9) is supplemented with the following) Must use once preceding any of the following:
44 45 46 47 48	<u>5-01.3(</u>	9).OPT1.GR	(April 1, 2013) Use in projects that require 10,000 or more square yards of cement concrete pavement grinding.
49	<u>5-01.3(10).GF</u>	<u>R5</u> P	avement Smoothness
50 51 52 53	<u>5-01.3(10)</u>	.INST1.GR5	(Section 5-01.3(10) is supplemented with the following) Must use once preceding any of the following:

1 2 3 4 5	<u>5-01.3</u>	(10).OPT1.GR5	(February 6, 2023) Use in projects where Weigh-in-Motion (WIM) weight sensors are being installed in pavement where Section 5-01 applies. Must include a WIM Site Index Station in the Plans.		
6 7	<u>5-02.GR5</u> Bituminous Surface Treatment				
8 9	<u>5-02.3.GR5</u>	Constru	ction Requirements		
10 11 12	<u>5-02.3(3).GR</u>	<u>5</u> App	lication Of Asphalt Emulsion and Aggregate		
13 14 15	<u>5-02.3(3).</u> l		Section 5-02.3(3) is supplemented with the following) ust use once preceding any of the following:		
16 17 18 19 20 21	<u>5-02.3</u>	(3).OPT1.FR5	(BST New Construction) (August 5, 2013) May use with 5-02.3(3).OPT2.FR5. Use in projects requiring a Bituminous Surface Treatment on a newly constructed roadway.) (2 fill-ins)		
22 23 24 25 26 27 28	<u>5-02.3</u>	(3).OPT2.FR5	(BST Seal Coat) (August 5, 2013) May use with 5-02.3(3).OPT1.FR5 . Use in projects requiring a Bituminous Surface Treatment seal coat on an existing roadway. (1 fill-in)		
29 30 31	<u>5-02.4.GR5</u>	Measure	ment		
32 33	5-02.4.INST1		etion 5-02.4 is supplemented with the following) t use once preceding any of the following:		
34 35 36 37 38 39 40 41 42	5-02.4.OPT2.GR5 (BST existing road approaches) (March 13, 1995) Must also use 5-02.5.OPT2.GR5. Use in BST projects when there are a substantial numb of existing road approaches to be paved and the ext cost of labor for paving approaches becomes a factor determining the bid price for BST.				
43 44	<u>5-02.5.GR5</u>	Payment	t e e e e e e e e e e e e e e e e e e e		
45 46 47	<u>5-02.5.INST1</u>		tion 5-02.5 is supplemented with the following) tuse once preceding any of the following:		
48 49 50 51 52	<u>5-02.5.OP</u>	(F M U	Bituminous Surface Treatment For Road Approach) February 5, 2001) Just include with 5-02.4.OPT2.GR5 . se in BST projects when there are a substantial number f existing road approaches to be paved and the extra		

1 2 3		cost of labor for paving approaches becomes a factor in determining the bid price for BST.			
4 5 6 7 8 9 10	<u>5-02.5.OPT3.GR5</u>	(CRS-2P Cost Price Adjustment Payment) (August 5, 2013) Include in all BST projects. Must include standard item #5294 . To determine the Engineer's Estimate for this bid item, refer to the guidance at: https://wsdot.wa.gov/engineering-standards/project-management-training/project-management/cost-risk-assessment.			
12 13 14 15 16 17	<u>5-02.5.OPT4.GR5</u>	(AC-15P Cost Price Adjustment Payment) (January 3, 2017) Include in all BST projects. Must include standard item #5280 .			
18	5-04.GR5 Hot Mix As ₁	ohalt			
19 20	<u>5-04.2.GR5</u> Materi	ale			
21	<u>3-04.2.010</u>	ais			
22 23	5 04 2/2) CB5 M	iv Design - Obtaining Project Approval			
23 24	<u>5-04.2(2).GR5</u> M	ix Design – Obtaining Project Approval			
25 26 27	<u>5-04.2(2).INST1.GR5</u>	(Section 5-04.2(2) is supplemented with the following) Must use once preceding any of the following:			
28 29 30 31 32 33 34	<u>5-04.2(2).OPT1.FR5</u>	(HMA Test Requirements) (January 3, 2011) Include in all projects using HMA. Fill-in (number of ESAL's) is included in the pavement design report. (1 fill-in)			
35 36 37 38	<u>5-04.2(9-03.8(7)).GR5</u>	(HMA Tolerances, Specification Limits and Adjustments) (The second paragraph of item number 1 of Section 9-03.8(7) is revised to read:) Must use once preceding any of the following:			
39 40 41	5-04.2(9-03.8(7)).OPT1.GR5 (September 8, 2020) Include in all projects using HMA.				
42 43	5-04.3.GR5 Construction Requirements				
44 45 46 47		section 5-04.3 is supplemented with the following) ust use once preceding any of the following:			
48 49 50 51 52 53	<u>5-04.3.OPT4.FR5</u>	(Asphalt Binder Revision) (January 3, 2017) Use in projects when the Contracting Agency provides a source of aggregate for HMA. Must use with 5-04.5.OPT3.GR5.			

1 2 3 4 5 6 7 8 9		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 5-04.5.OPT1.FR5. Do not use with 5-04.3(13).OPT3.GR5.
10 11		(6 fill-ins)
12		Contact MLPavementProfileTest@wsdot.wa.gov to
13		schedule the IRI determination and to complete the fill-
14		ins.
15		
16	5-04.3(13).INST2.GR5	
17		and replaced with the following)
18		Must use once preceding any of the following:
19	E 04 2(42) ODT2 ED	Consothers and viron anta)
20 21	5-04.3(13).OPT2.FR	R5 (Smoothness requirements) (March 13, 1995)
22		Use at the discretion of the Region Construction
23		Manager in projects with roadways to be paved that
24		have a combination of posted speeds both greater
25		than and less than 45 MPH. Do not use with 5-
26		04.3(13).OPT1.FR5.
27		(1 fill-in is for sections of roadway with a posted speed
28		limit less than 45 mph)
29		(T)
30	<u>5-04.3(13).INST3.GR5</u>	(The second sentence of Section 5-04.3(13) is revised to
31 32		read) Must use once preceding any of the following:
33		widst use office preceding any of the following.
34	5-04.3(13).OPT3.GR	R5 (Smoothness requirements)
35		(January 5, 2004)
36		Use at the discretion of the Region Construction
37		Manager in projects where all roadways to be paved
38		are posted less than 45 MPH. Do not use with 5-
39		04.3(13).OPT1.FR5.
40 44	5 04 2(42) INIOTA ODS	(Cookies F 04 2/42) is complemented with the falls of
41 42	<u>5-04.3(13).INST4.GR5</u>	(Section 5-04.3(13) is supplemented with the following)
42 43		Must use once preceding any of the following:
+3 44	5-04.3(13).OPT4.GR	R5 (February 6, 2023)
45	<u>5 5 1.5(10).51 1 4.01</u>	Use in projects where Weigh-in-Motion (WIM) weight
46		sensors are being installed in pavement where Section
47		5-04 applies. Must include a WIM Site Index Station in
48		the Plans.
49		
50	<u>5-04.3(14).GR5</u> PI	laning Bituminous Pavement
51 52	5 04 2(14) INICT4 OD5	(Section 5.04.2(14) is supplemented with the following)
52 53	<u>5-04.3(14).INST1.GR5</u>	(Section 5-04.3(14) is supplemented with the following) Must use once preceding any of the following:
JJ		was as once preceding any or the following.

1		
1 2 3 4 5 6 7	<u>5-04.3(14).OPT1.FR5</u>	(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)
8 9 10 11 12 13 14	5-04.3(14).OPT2.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 5-04.3(14).OPT1.FR5 where appropriate.
16 17 18 19 20	5-04.3(14).OPT3.GR5	(Vertical Edge Planing) (March 13, 1995) Use in projects when planed lanes shall be paved prior to being open to traffic.
21 22 23 24 25 26 27 28 29 30 31 32	5-04.3(14).OPT4.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 5-04.3(14).OPT1.FR5 where appropriate.
33	<u>5-04.5.GR5</u> Payment	
34 35 36 37		ion 5-04.5 is supplemented with the following) use once preceding any of the following:
38 39 40 41	(Ja	urface Smoothness) anuary 5, 2015) ust include with 5-04.3(13).OPT1.FR5 .
42 43 44		I-in is the appropriate Pay Adjustment Schedule as termined using the criteria below.
45 46 47 48	pa	y Adjustment Schedule 1 = Interstate highways, new vement construction or multiple lift pavement overlays t least one (1) leveling course + wearing course).
49 50 51		ote: Pre-leveling allowances are not to be counted as a veling course paving lift with respect to this definition.
52 53	<u>Pa</u> ov	y Adjustment Schedule 2 = Single lift pavement erlays with allowance for surface variance corrections

1 2 3		with smoothness averaging devices (paving skis) or full width pavement milling (including shoulder) with single lift replacement overlay.
4 5 6 7 8		Note: Sufficient preleveling and/or pavement thickness variance allowances should be included to repair obvious existing deficiencies (humps, valleys, ruts etc.).
9 10 11 12 13 14 15 16 17 18		Pay Adjustment Schedule 3 = Smoothness will be difficult to attain or when risk associated with meeting a smoothness criteria is unknown. Examples include matching to existing concrete gutter lines; sections with multiple surface utility structures; intersections; multiple skip sections resulting in short paving lengths; and milling/replacement paving where both the shoulder and adjacent lane is not also milled. Bonus incentives are applied to encourage maximum effort to obtain smooth pavements in difficult applications. (1 fill-in)
20 21 22 23 24 25 26	5-04.5.OPT2.GR5	(Asphalt Cost Price Adjustment) (January 13, 2021) Include in all projects containing Hot Mix Asphalt. Must include standard item 5837. To determine the Engineer's Estimate for this bid item, refer to the guidance at:
27 28 29 30		https://wsdot.wa.gov/engineering-standards/project- management-training/project-management/cost-risk- assessment
31 32 33 34	<u>5-04.5.OPT3.GR5</u>	(Asphalt Binder Revision) (August 3, 2009) Must include with 5-04.3.OPT4.FR5 .
35 36	<u>5-05.GR5</u> Cement	Concrete Pavement
37 38	<u>5-05.1.GR5</u> De	scription
39 40 41	<u>5-05.1.INST1.GR5</u>	(Section 5-05.1 is supplemented with the following) Must use once preceding any of the following:
42 43 44 45 46 47 48 49 50 51	<u>5-05.1.OPT1.GR5</u>	(Use when cement concrete pavement has pigmented or textured cement concrete) (August 6, 2012) Use in projects requiring color treatment, textured treatment or both for roundabout truck aprons, splitter islands, and mainline crossings. Requires approval by the Region Landscape Architect or the HQ Roadside and Site Development Manager for regions without a landscape architect.
52 53		wing table to determine the correct combination of GSPs pigmented or textured concrete:

5-05.1.OPT1.GR5	Description for all pigment/textured concrete.
5-05.2.OPT1.GR5	Use for "Brick Red" Pigment.
5-05.2.OPT2.FR5	Use for other pigments specified by LA.
5-05.3.OPT1.GR5	Use to add a test panel for pigments and textures.
5-05.3.OPT2.FR5	Use to specify a pattern or texture for concrete when a
	colored release agent is not required.
5-05.OPT3.FR5	Use to specify a pattern or texture for concrete when a
	colored release agent is required.
5-05.3(1).OPT8.GR5	Use to limit aggregate size for texture concrete.
5-05.4.OPT1.GR5	Measurement for all pigmented or textured concrete.
5-05.5.OPT2.GR5	Payment for pigmented, only, concrete.
5-05.5.OPT3.GR5	Payment for textured, only, concrete.
5-05.5.OPT4.GR5	Payment for both pigmented and textured concrete.
·	

		5-05.5.OPT3.0		Payment for textured, only, concrete.
4		5-05.5.OPT4.0	GR5	Payment for both pigmented and textured concrete.
1 2 3	<u>5-05.2.GR5</u>	Ма	terials	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	<u>5-05.2.IN</u>	IST1.GR5		n 5-05.2 is supplemented with the following) se once preceding the following:
	<u>5-05.2</u>	2.OPT1.GR5	(Nov Use apro	ck Red" pigmented cement concrete pavement) vember 20, 2023) in projects requiring brick red in roundabout truck ons, splitter islands, and mainline crossings. Concrete r must contrast with pavement color.
	<u>5-05.2.OPT2.FR5</u>		(Nov Use trucl	per pigments for cement concrete pavement vember 20, 2023) in projects requiring color treatment in roundabout aprons, splitter islands, and mainline crossings. Crete color must contrast with pavement color.
19 20 21 22 23			the land	uires approval by the Region Landscape Architect or State Landscape Architect for regions without a scape architect. I-ins)
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39			the then	Primary Pigment from Region Landscape Architect or HQ Roadside and Site Development Manager and list all the Manufactures and Pigment Color for that hary Pigment as fill-in information from list shown w:
	<u>5-05.3.GR5</u> Construction Requirements			
	<u>5-05.3.IN</u>	IST1.GR5		n 5-05.3 is supplemented with the following) se once preceding any of the following:
	<u>5-05.3</u>	3.OPT1.GR5	(Aug Use cond	t Panel) gust 6, 2012) in projects requiring pigmented colored cement crete pavement in roundabout truck aprons, splitter and mainline crossings.

 Requires approval by the Region Landscape Architect or the State Landscape Architect for regions without a landscape architect.

5-05.3.OPT2.FR5 (Textured Patterns for Concrete)

(August 6, 2012)

Use in projects requiring textured cement concrete pavement patterns on roundabouts, truck aprons, splitter islands and mainline crossings.

Requires approval by the Region Landscape Architect or the State Landscape Architect for regions without a landscape architect. (1 fill-in)

Get the Primary Pattern from Region Landscape Architect or the HQ Roadside and Site Development Manager and then list all the Manufactures and Patterns for that Primary Pattern as fill-in information from list below (if a colored release agent is required, use **5-05.3.OPT3.FR5** instead):

Primary Pattern - Ashlar Stone:

Manufacturer	Pattern
Bomanite	"Mountain Granite
	Ashlar A"
Brickform/Solomon	"Grand Ashlar, FM-
Colors	3675"
Butterfield Color	"Majestic Ashlar"
Euclid chemical	"Ashlar Slate"
Matcrete	"Grand Ashler Slate"
Renew Crete	"Ashler Slate"
Systems	

Primary Pattern - Brick

Manufacturer	Pattern
Bomanite	"Running Bond Belgian
	Block or Running Bond
	Used Brick"
Brickform/Solomon	"Running Bond Used
Colors	Brick"
Butterfield Color	"Pennsylvania Avenue
	Brick Running Bond"
Euclid Chemical	Running Bond Paver
Matcrete	"Old Brick Running
	Bond"

Primary Pattern - River Rock

Manufacturer	
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		Matcrete	Large River Rock			
1 2	<u>5-05.3.OPT3.FR5</u>	(Textured Cement Concrete with Colored Release Agent)				
3 4 5 6 7 8		(September 3, 2024) Use in projects requiring textured cement concrete pavement patterns with colored release agents on roundabouts, truck aprons, splitter islands and mainline crossings.				
9 10 11 12 13		Requires approval by the Region Landscape Architect or the State Landscape Architect for regions without a landscape architect. (1 fill-in)				
14 15		(If a colored release agent is not required, use 5-05.3.OPT2.FR5 instead.)				
16 17	<u>5-05.3(1).GR5</u> C	oncrete Mix Design f	or Paving			
18 19 20 21	5-05.3(1).INST1.GR5 (Item number 1 of Section 5-05.3(1) is supplement the following:) Must use once preceding any of the following:					
22 23	5-05.3(1).OPT1.GR	(Cement Concret (January 2, 2018)				
24 25 26		Ùse in projects	that include reconstruction of ent with a recommendation from			
27 28 29 30	5-05.3(1).INST2.GR5 (Section 5-05.3(1) is supplemented with the following:					
31 32 33 34 35 36 37 38 39	<u>5-05.3(1).OPT2.GR</u>	pavement) (November 20, 20 Use when text patterns are new splitter islands	tured cement concrete paver eded in roundabouts, truck apo and mainline crossings. Prov ements for textured cement cond	rons, ⁄ides		
40 41 42 43		or the HQ Road	al by the Region Landscape Arch side and Site Development Man ut a Landscape Architect.			
43 44 45	<u>5-05.3(12).GR5</u> S	urface Smoothness				
46 47 48	<u>5-05.3(12).INST1.GR5</u>	the following)	of Section 5-05.3(12) is replaced ding any of the following:	with		
49 50	5-05.3(12).OPT1.GF	R5 (Surface Smooth	ness)			

Bomanite.

Increte Systems

River Rock

Savanah Stone

1 2 3 4 5		(January 7, 2019) Use in projects where concrete paving will occur in multiple short segments or in projects where paving will occur in multiple seasons.		
6 7 8	5-05.3(12).INST2.GR	(Section 5-05.3(12) is supplemented with the following) Must use once preceding any of the following:		
9 10 11 12 13	<u>5-05.3(12).OPT2.0</u>	Use in projects where Weigh-in-Motion (WIM) weight sensors are being installed in pavement where Section 5-05 applies. Must include a WIM Site Index Station in the Plans.		
15	<u>5-05.3(17).GR5</u>	Opening to Traffic		
16 17 18 19	5-05.3(17).INST2.GR	(Section 5-05.3(17) is revised to read) Must use once preceding any of the following:		
20 21 22 23 24 25 26 27 28 29	<u>5-05.3(17).OPT1.0</u>	(Maturity Testing for Concrete Pavement) (August 7, 2017) Use in all projects where the Portland Cement Concrete Pavement (PCCP) or the Replacement of Portland Cement Concrete Panels are required to be opened to traffic within 24 hours of placement. Requires the approval of State Pavement Engineer or Headquarters Construction Office. Use with 5-05.5.OPT5.GR5.		
30 31	<u>5-05.4.GR5</u> Measurement			
32 33		(Section 5-05.4 is supplemented with the following) Must use once preceding any of the following:		
34 35 36 37	<u>5-05.4.OPT1.GR5</u>	(August 6, 2012) Textured and pigmented cement concrete pavement per square yard.		
38 39	<u>5-05.5.GR5</u> Payr	ment		
40 41 42 43		(Section 5-05.5 is supplemented with the following) Must use once preceding any of the following:		
44 45 46	<u>5-05.5.OPT2.GR5</u>	(August 6, 2012) Pigmented cement concrete pavement per square yard.		
47 48 49	<u>5-05.5.OPT3.GR5</u>	(August 6, 2012) Textured cement concrete pavement per square yard. Use with		
50 51 52 53	<u>5-05.5.OPT4.GR5</u>	(August 6, 2012) Textured and pigmented cement concrete pavement per square yard.		

1			
2	<u>5-05.5.OP</u> 1	<u>Γ5.GR5</u>	(August 5, 2013)
3			Maturity Testing for Concrete Pavement incidental to bid
4			items Cement Conc. Pavement or Replacement Cement
5			Concrete Panel.
6			Use with 5-05.3(17).OPT1.GR5 .
7			· <i>'</i>
8	<u>5-SA1.FR5</u>	Just in Tim	e Training
9		(August 7, 2	2017)
10		Ùse in all pr	rojects with cement concrete pavement unless approved by
11			r State Pavement Engineer.
			<u> </u>