1	DIVISION5.GR5	Surface Tre	atments and Pavements
2 3	<u>5-01.GR5</u>	Cement Co	ncrete Pavement Rehabilitation
4 5 6	<u>5-01.1.GR5</u>	Descr	iption
7 8 9	<u>5-01.1.INST1</u>		section 5-01.1 is supplemented with the following) ust use once preceding any of the following:
10 11 12 13 14	<u>5-01.1.OP</u>	T1.GR5	(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 .
15 16 17	<u>5-01.2.GR5</u>	Materi	als
18 19 20	<u>5-01.2.INST1</u>	,	section 5-01.2 is supplemented with the following) ust use once preceding any of the following:
21 22 23 24 25	<u>5-01.2.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 5-01.1.OPT1.GR5 & 5-01.3(5).OPT1.GR5.
26 27 28	<u>5-01.3.GR5</u>	Const	ruction Requirements
29 30	5-01.3(5).GR	<u>5</u> Pa	artial Depth Spall Repair
31 32 33	<u>5-01.3(5).I</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) (September 7, 2021) 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> Po	ortland Cement Concrete Pavement Grinding
41 42 43	<u>5-01.3(9).I</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).GI</u>	<u>25</u> Pa	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.:</u>	3(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 S	Surface Treatment
8 9	<u>5-02.3.GR5</u>	Constru	ction Requirements
10 11 12	<u>5-02.3(3).Gl</u>	<u>R5</u> App	lication Of Asphalt Emulsion and Aggregate
13 14	<u>5-02.3(3)</u>		Section 5-02.3(3) is supplemented with the following) fust use once preceding any of the following:
15 16 17 18 19 20 21 22	<u>5-02.</u> ;	3(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 29	<u>5-02.:</u>	3(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)
30 31	<u>5-02.4.GR5</u>	Measure	ement
32 33 34	<u>5-02.4.INST</u>		ction 5-02.4 is supplemented with the following) at use once preceding any of the following:
35 36 37 38 39 40 41 42	<u>5-02.4.OI</u>	(i N L o c	AST existing road approaches) March 13, 1995) Must also use 5-02.5.OPT2.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 etermining the bid price for BST.
43 44	<u>5-02.5.GR5</u>	Paymen	t
45 46 47	<u>5-02.5.INST</u>		ction 5-02.5 is supplemented with the following) at use once preceding any of the following:
48 49 50 51 52	<u>5-02.5.OI</u>	(I N L	Bituminous Surface Treatment For Road Approach) February 5, 2001) flust include with 5-02.4.OPT2.GR5 . Is e 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.
5 6 7 8 9	<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-
11 12		management/cost-risk-assessment.
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 19	5-04.GR5 Hot Mix As	phalt
20 21	<u>5-04.2.GR5</u> Mater	rials
22	5.04.0(2) CD5	Air Daoine - Obtaining Drainet Approval
23 24	<u>5-04.2(2).GR5</u>	lix Design – Obtaining Project Approval
25 26	<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:
27 28 29 30 31 32 33	<u>5-04.2(2).OPT1.FR</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)
34 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	<u>5-04.2(9-03.8(7)).O</u>	PT1.GR5 (September 8, 2020) Include in all projects using HMA.
42 43 44 45 46	<u>5-04.2(9-03.21(1)A).GF</u>	(Reclaimed Asphalt Shingles) (Section 9-03.21(1)A, including title, is revised to read:) Must use once preceding any of the following:
47 48 49	5-04.2(9-03.21(1)A)	OPT1.2025.GR5 (April 27, 2022) Include in all projects using HMA.
50	<u>5-04.3.GR5</u> Cons	truction Requirements
51 52 53		Section 5-04.3 is supplemented with the following) Must use once preceding any of the following:

1 2 3			<u>Pay Adjustment Schedule 1</u> = Interstate highways, new pavement construction or multiple lift pavement overlays (at least one (1) leveling course + wearing course).
4 5 6 7			Note: Pre-leveling allowances are not to be counted as a leveling course paving lift with respect to this definition.
8 9 10 11 12 13			<u>Pay Adjustment Schedule 2</u> = Single lift pavement overlays with allowance for surface variance corrections with smoothness averaging devices (paving skis) or full width pavement milling (including shoulder) with single lift replacement overlay.
14 15 16 17			Note: Sufficient preleveling and/or pavement thickness variance allowances should be included to repair obvious existing deficiencies (humps, valleys, ruts etc.).
18 19 20 21 22 23 24 25 26 27 28			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)
29 30 31 32 33 34 35 36 37 38 39	<u>5-04.5.OF</u>	PT2.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: https://wsdot.wa.gov/engineering-standards/project-management-training/project-management/cost-risk-assessment
40 41 42	<u>5-04.5.OF</u>	PT3.GR5	(Asphalt Binder Revision) (August 3, 2009) Must include with 5-04.3.OPT4.FR5.
43 44 45	<u>5-05.GR5</u>	Cement	Concrete Pavement
46 47	<u>5-05.1.GR5</u>	Des	scription
48 49	<u>5-05.1.INST</u>	1.GR5	(Section 5-05.1 is supplemented with the following) Must use once preceding any of the following:
50 51 52 53	<u>5-05.1.OF</u>	PT1.GR5	(Use when cement concrete pavement has pigmented or textured cement concrete) (August 6, 2012)

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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.

Use the following table to determine the correct combination of GSPs to include for 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.
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.

10 11 Materials 5-05.2.GR5 12 13 (Section 5-05.2 is supplemented with the following) 5-05.2.INST1.GR5 14 Must use once preceding the following: 15 5-05.2.OPT1.GR5 ("Brick Red" pigmented cement concrete pavement) 16 17 (November 20, 2023) Use in projects requiring brick red in roundabout truck 18 19 aprons, splitter islands, and mainline crossings. Concrete 20 color must contrast with pavement color. 21 22 5-05.2.OPT2.FR5 (Other pigments for cement concrete pavement 23 (November 20, 2023) Use in projects requiring color treatment in roundabout 24 25 truck aprons, splitter islands, and mainline crossings. 26 Concrete color must contrast with pavement color. 27 28 Requires approval by the Region Landscape Architect or 29 the State Landscape Architect for regions without a 30 landscape architect. 31 (1 fill-ins) 32 33 34 35 36

Get Primary Pigment from Region Landscape Architect or the HQ Roadside and Site Development Manager and then list all the Manufactures and Pigment Color for that Primary Pigment as fill-in information from list shown below:

5-05.3.GR5 **Construction Requirements**

5-05.3.INST1.GR5 (Section 5-05.3 is supplemented with the following) Must use once preceding any of the following:

5-05.3.OPT1.GR5 (Test Panel)

(August 6, 2012)

Use in projects requiring pigmented colored cement concrete pavement in roundabout truck aprons, splitter islands and mainline crossings.

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

(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:

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"

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