

		NOTES
	0 2000 3000 3500 3600 2600 1750 minimum 3 Central Lane 3 Lane 2 Lane 1 Hard shoulder Verge 10100 0 0 2000 3000 3600 2600 1750 minimum 3 Central Lane 3 Lane 2 Lane 1 Hard shoulder Verge 10100 Deck App. 17/1. For detail refer to drawing SBIM-POW-T0824-DWG-0005. Afsmm HRA 35/14 F PMB Surf. PSV:50, AAV:10 HRA 50/10 reg as required (20 - 68 mm) based on cores. 500 500 45mm HRA 35/14 F PMB Surf. PSV:50, AAV:10 HRA 50/10 reg as required 45mm HRA 35/14 F PMB Surf. PSV:50, AAV:10 HRA 50/10 reg as required 45mm HRA 35/14 F PMB 500 500 45mm HRA 35/14 F PMB Surf. PSV:50, AAV:10 HRA 50/10 reg as required 45mm HRA 35/14 F PMB 45mm HRA 35/	 DRAWING TO BE PRINTED IN COLOUR. All dimensions are in millimeters unless otherwise stated. Road Markings and Marker Post locations are shown indicatively. This drawing is to be read in conjunction with the all drawings in the SBIM-POW-TO824 Series and all other relevant documents. Measurements and locations of assets are as per As-Built information and should be checked for accuracy on site. Principal Contractor to ensure topographical survey is carried out to obtain existing levels prior to planing out. Surfacing to be reinstated to match existing lines and levels. All surfacing works are to be installed as specified in Appendix 7 of the Specification of works. This drawing is to be read in conjunction with the relevant GPR data. The data shows that the thickness of the surfacing varies across the deck, therefore a regulating course is specified to allow the HRA to be laid at a nominal thickness of 45mm as specified in MCHW clause 943.2. The void content of hte binder shall be no more than 4% as defined in CD358 clause 8.6. Waterproofing laps required at locations between construction phases. Phasing: The works are expected to be separated into the following phases: Westbound Lane 1 and Hard Shoulder Westbound Lane 2 and Lane 3
	 as specified by the 300mm. For detail 4-DWG-0005. accommodate phasing of works by the waterproofing contractor, minimum 300mm. For detail refer to drawing SBIM-POW-TO824- DWG-0005. 	 c) Eastbound Lane 1 and Hard Shoulder d) Eastbound Lane 2 and Lane 3 13. The thickness of existing pavement is based on the historic and the most recent core surveys. Principal Contractor shall also refer to the GPR surveys and the heat maps provided in Appendix A of the PCI. KEY: M Main Tower MJ Movement Joint Option A1: 45mm HRA 35/14F Surf PMB 40/60 + HRA 50/10 PMB reg/bin as required (20-68 mm). PSV: 65 AAV: 10
	Set the Cable Stay Bridge ten 4300, and 4400 centres set 4300, and 4400 centres stuary via chutes. Existing Central Reserve Barrier Existing DOT Matrix Sign. Existing DOT Matrix Sign. Gullies at variable spacing across the Cable Stay Bridge Main span gully spacing varies between 3648, and 4300 centres Gullies direct discharge to estuary via chutes. Pavement Treatment Option: A2 Area: 3304m ² Protruding Reinforcement Protruding Reinforcement Protruding Reinforcement MP 198/7 B Existing Central Reserve Barrier Existing DOT Matrix Sign. Favement Treatment Option: A3 Area: 2960m ² MP 198/6 B MI MP 198/6 B MI	 Option A3: 45mm HRA 35/14F Surf PMB 40/60 + HRA 50/10 PMB reg/bin as required (20-68 mm).PSV: 50 AAV: 14 Option A4: 45mm HRA 35/14F Surf PMB 40/60 PSV: 50 AAV: 14 70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/1. Locations of Protuding Reinforcement (Hazard HS-03). Refer to drawing SBIM-POW-T0824-DWG-0008 - Patch Repair
		 (The following information has been collected from Preconstruction Information and the Amey CDM Hazard Management Process). Residual Design Hazards: HS-01 - Striking Existing Utilities. HS-02 - Temporary Instability of Bridge due to Concrete Removal. HS-03 - Risk of injury from Protruding Reinforcement. HS-04 - RA1 Procedure limitations. HS-05 - Reduction in deck thickness due to Hydro Demolition. HS-06 - Depth of Deck when Breaking-out Concrete. HS-07 - Trafficking of the Deck following Treatment.
as A2 Perment Treatment Option: A3 Tomm: C4050 concrete nominal per App. 171. Refer to drawing	ent Option: A1 Pavement Treatment Option: A2 Pavement Treatment Option: A3 Area: 2943m ² Cable Stay Bridge Main span Cable Stay Bridge Main span gully spacing varies between 3648, and 4300 centres	RevRevision detailsDrwnChkdAppdDateDesigned:AmeyDate:12.04.2024Drawn:Ricardo NunesDate:12.04.2024Checked:Santosh PandeyDate:12.04.2024Approved:Mark BroomeDate:12.04.2024Copyright in this design © AmeyAmeyDate:12.04.2024Copyright in this design © AmeyCopyright in this design © Amey
Image: Algorithmic details Area: 2943m ² Torm C40/50 concrete nominal thick (varies 65mm to 165mm) as solutions as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as an and thick (varies 65mm to 165mm) as solutions as a solution to 165mm as a solu	Area: 2960m ² Area: 2960m ² Area: 2960m ² thick (varies 65mm to 165mm) as per App. 17/1. Refer to drawing SBIM-T0824-DWG-0005 for further detail. Area: 472m ² MP 198/3 B Protruding Reinforcement Protruding Reinforcement	Client national highways Project Name M4 Prince of Wales Bridge
Pavement Treatment Option: A3 Area: 2943m ² 70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/1. Refer to drawing. Scale 1:500 Plan on Main Deck Scale 1:500 Original Drawing Size : A1 Scale : As Shown Dimensions : Metres Dimensions : Metres Dimensions : Metres Suitability Social 1:500 Cable Stay Bridge Main span Cable Stay Bridge Main span For Tender Suitability Social 1:500	M4 Westbound	Drawing Title Prince of Wales Bridge Cable Stay Bridge -
	ion: A2 Pavement Treatment Option: A3 Area: 2943m ² 70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/1. Refer to drawing SBIM-TO824-DWG-0005 for further detail. Area: 472m ² Scale 1:500	Dimensions : Metres Drawing Status For Tender Drawing No

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27400	1. Do not scale from this drawing.
00 2000 3000 3600 Lane 3 1F PMB VIA Establound carriageway Verge 1F PMB Omm C40/50 concrete nominal thick (varies 65mm to 185mm) as per PAD 17/1, For detail refer to drawing sequired 45mm HRA 35/14 F PMB Surf. PSV:65, AAV:10 Hard shoulder 1F PMB Surf. PSV:60, AAV:14 HRA 35/14 F PMB Surf. PSV:60, AAV:14 HRA 35/14 F PMB Surf. PSV:60, AAV:14 Verge Increases to 2450 at connections to viaducts 1 or ores 45mm HRA 35/14 F PMB Surf. PSV:60, AAV:10 HRA 35/14 F PMB Surf. PSV:60, AAV:10 HRA 35/14 F PMB Surf. PSV:60, AAV:14 1 or ores 45mm HRA 35/14 F PMB Surf. PSV:60, AAV:10 HRA 35/14 F PMB Surf. PSV:60, AAV:10 HRA 35/14 F PMB Surf. PSV:60, AAV:10 1 or ores 45mm HRA 35/14 F PMB Surf. PSV:60, AAV:10 HRA 35/14 F PMB Surf. PSV:60, AAV:10 45mm HRA 35/14 F PMB Surf. PSV:60, AAV:10 1 or ores 45mm HRA 35/14 F PMB Surf. PSV:60, AAV:10 HRA 35/14 F PMB 1 or ores 45mm HRA 35/14 F PMB Surf. PSV:60, AAV:10 1 HRA 50/10 reg as required (20 - 68 mm) based on cores. 2.5% 1 or ores 2.5% 1000 2 or 68 mm based on cores 2.5%	 DRAWING TO BE PRINTED IN COLOUR. All dimensions are in millimeters unless otherwise stated. Road Markings and Marker Post locations are shown indicatively. This drawing is to be read in conjunction with the all drawings in the SBIM-POW-TO824 Series and all other relevant documents. Measurements and locations of assets are as per As-Built information and should be checked for accuracy on site. Principal Contractor to ensure topographical survey is carried out to obtain existing levels prior to planing out. Surfacing to be reinstated to match existing lines and levels. All surfacing works are to be installed as specified in Appendix 7 of the Specification of works. This drawing is to be read in conjunction with the relevant GPR data. The data shows that the thickness of the surfacing varies across the deck, therefore a regulating course is specified to allow the HRA to be laid at a nominal thickness of 45mm as specified in MCHW clause 943.2. The void content of hte binder shall be no more than 4% as defined in CD358 clause 8.6. Waterproofing laps required at locations between construction phases. Phasing: The works are expected to be separated into the following phases: Westbound Lane 1 and Hard Shoulder Eastbound Lane 2 and Lane 3 The thickness of existing pavement is based on the historic and the most recent core surveys. Principal Contractor shall also refer to the GPR surveys and the heat maps provided in Appendix A of
aterproofing within	the PCI. KEY: M Main Tower MJ Movement Joint
ection of Bridge Deck	Option A1: 45mm HRA 35/14F Surf PMB 40/60 + HRA 50/10 PMB reg/bin as required (20-68 mm). PSV: 65 AAV: 10
Scale 1:50	Option A2: 45mm HRA 35/14F Surf PMB 40/60 + HRA 50/10 PMB reg/bin as required (20-68 mm). PSV: 60 AAV: 10
	Option A3: 45mm HRA 35/14F Surf PMB 40/60 + HRA 50/10 PMB reg/bin as required (20-68 mm). PSV: 50 AAV: 14
ed at back of hard shoulder so the Cable Stay Bridge teen 4300, and 4400 centres Existing Central Reserve Barrier — Existing DOT Matrix Sign. — Main span gully spacing varies between 3648, and 4300 centres	Option A4: 45mm HRA 35/14F Surf PMB 40/60 PSV: 50 AAV: 14
estuary via chutes. Gullies direct discharge to estuary via chutes.	70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/1.
Area: 3304m ² MP 198/7 B Protruding Reinforcement Pavement Treatment Option: As a second sec	Locations of Protuding Reinforcement (Hazard HS-03). Refer to drawing SBIM-POW-TO824-DWG-0008 - Patch Repair
	Details.
M4 Eastbound \leq	Image: Note of the systemImage: Note of the system
MP 198/7 A Tomm C40/50 concrete nominal thick (varies 65mm to 165mm) as	Rev Revision details Drwn Chkd Appd Date Designed: Amey Date: 12.04.2024
nent Option: A1 Pavement Treatment Option: A2 Area: 3304m ² Pavement Treatment Option: A3 Area: 2943m ² Pavement Treatment Option: A3 Area: 2943m ² BIM-TO824-DWG-0005 for further detail. Area: 472m ²	Drawn:Ricardo NunesDate:12.04.2024Checked:Santosh PandeyDate:12.04.2024Approved:Mark BroomeDate:12.04.2024
Back span Cable Stay Bridge Main span	Copyright in this design © Amey
Gullies at variable spacing across the Cable Stay Bridge Main span gully spacing varies between 3648, and 4300 centres Gullies direct discharge to estuary via chutes.	Amey www.amey.co.uk
Area: 2960m ² /4 B Protruding Reinforcement Protruding Reinforcement	Client national highways
M4 Eastbound 🖘	Project Name M4 Prince of Wales Bridge Resurfacing Strategy
M4.Westbound M4.Westbound M4.Westbound MP 198/3 A	Drawing Title Prince of Wales Bridge Cable Stay Bridge - Proposed Surfacing (Sheet 1 of 2)
70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as	Original Drawing Size : A1 Scale : As Shown Dimensions : Metres
Pavement Treatment Option: A3 Area: 2943m ² Area: 2943m ² Area: 2943m ² Area: 2943m ² Area: 2943m ² Area: 472m ² Area: 472m ² Area: 472m ²	Drawing Status Suitability S2
Cable Stay Bridge Main span	Drawing No Rev
	SBIM-POW-TO824-DWG-0701 P01