

ntral Reserve Barrier. ———	Gullies a Back span g	both carriageways located at back of hard at variable spacing across the Cable Stay I gully spacing varies between 4300, and 440 ullies direct discharge to estuary via chutes	Bridge 00 centres		
Treatment Option: A3 0m² Treatment Option: A4 m²	Pavement Treatment Option: A1 Area: 3304m²	Pavement Treatment Option: A2 Area: 3304m² MP 19		Movement Joint 6 - Existing RAN 70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/ Refer to drawing SBIM-TO824-DWG-000 for further detail. Area: 472m ²	1
		M4 Eastbound =>			
		M4 Westbound			
atment Option: A4	Pavement Treatment Option: A1 Area: 3304m²	MP 19 Pavement Treatment Option: A2 Area: 3304m²		70mm C40/50 concrete non thick (varies 65mm to 165m per App. 17/1. Refer to drav SBIM-TO824-DWG-0005 fo further detail. Area: 472m ²	m) as ving —

	NOTES
	 Do not scale from this drawing. 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-T0824 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 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 the PCI.
300mm lap to waterproofing to be created Waterproofing lap onto existing waterproofing within 1.5m of within 500mm of Lane 2 nearside edge to hard shoulder nearside edge. Waterproofing lap as specified accommodate phasing of works by the waterproofing contractor, minimum 300mm. For detail refer to drawing SBIM-POW-TO824- DWG-0005.	KEY: M Main Tower
	MJ Movement Joint
	PMB reg/bin as required (20-68 mm). PSV: 65 AAV: 10 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
Gullies on both carriageways located at back of hard shoulder Gullies at variable spacing across the Cable Stay Bridge	Option A4: 45mm HRA 35/14F Surf PMB 40/60 PSV: 50 AAV: 14
Back span gully spacing varies between 4300, and 4400 centres Gullies direct discharge to estuary via chutes.	70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/1.
Pavement Treatment Option: A1 Pavement Treatment Option: A2 Pavement Treatment Option: A3 Movement Treatment Option: A3 Area: 3304m ² Area: 3304m ² Pavement Treatment Option: A2 Area: 2960m ² 70mm C40/50 concrete nominal thick (varies 65mm to 165mm) as per App. 17/1. MJ 6	Locations of Protuding Reinforcement (Hazard HS-03). Refer to drawing SBIM-POW-TO824-DWG-0008 - Patch Repair Details.
MP 198/0 B The form further detail. Area: 472m ² MP 197/9 B Protuding Reinforcement	
M4 Eastbound => M4 Westbound	RESIDUAL DESIGN HAZARDS(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.P01For TenderRNSPMB12.04.24RevRevision detailsDrwnChkdAppdDate
MP 198/0 A Tomm C40/50 concrete nominal	Designed:AmeyDate:12.04.2024Drawn:Ricardo NunesDate:12.04.2024
Pavement Treatment Option: A1 Pavement Treatment Option: A2 Pavement Treatment Option: A3 thick (varies 65mm to 165mm) as Area: 3304m ² Area: 2943m ² Area: 2943m ² SBIM-TO824-DWG-0005 for	Checked:Santosh PandeyDate:12.04.2024Approved:Mark BroomeDate:12.04.2024
further detail. Area: 472m ²	copyright in this design © Amey
on Main Deck	Amey
Scale 1:500	Client national highways
Resurfacing area Number Section Carriageway Direction Lane Chainage (m) PSV AAV Layer course Nominal Thickness (m)	Project Name M4 Prince of Wales Bridge
1M4 PoW Cable Stay BridgeEastboundHS - Hard Shoulder09485014Surface452M4 PoW Cable Stay BridgeEastboundHS - Hard Shoulder09485014Surface, Regulating, Binder55 - 113*	Resurfacing Strategy
3M4 PoW Cable Stay BridgeEastboundCL1 - Lane 109486510Surface, Regulating, Binder55 - 113*4M4 PoW Cable Stay BridgeEastboundCL2 - Lane 209486010Surface, Regulating, Binder55 - 113*5M4 PoW Cable Stay BridgeEastboundCL3 - Lane 309485014Surface, Regulating, Binder55 - 113*	Drawing Title
6 M4 PoW Cable Stay Bridge Westbound HS - Hard Shoulder 0 948 50 14 Surface 45	Prince of Wales Bridge
7M4 PoW Cable Stay BridgeWestboundHS - Hard Shoulder09485014Surface, Regulating, Binder55 - 113*8M4 PoW Cable Stay BridgeWestboundCL1 - Lane 109486510Surface, Regulating, Binder55 - 113*	Cable Stay Bridge -
7M4 PoW Cable Stay BridgeWestboundHS - Hard Shoulder09485014Surface, Regulating, Binder55 - 113*8M4 PoW Cable Stay BridgeWestboundCL1 - Lane 109486510Surface, Regulating, Binder55 - 113*9M4 PoW Cable Stay BridgeWestboundCL2 - Lane 209486010Surface, Regulating, Binder55 - 113*10M4 PoW Cable Stay BridgeWestboundCL3 - Lane 309485014Surface, Regulating, Binder55 - 113*	C C
7M4 PoW Cable Stay BridgeWestboundHS - Hard Shoulder09485014Surface, Regulating, Binder55 - 113*8M4 PoW Cable Stay BridgeWestboundCL1 - Lane 109486510Surface, Regulating, Binder55 - 113*9M4 PoW Cable Stay BridgeWestboundCL2 - Lane 209486010Surface, Regulating, Binder55 - 113*10M4 PoW Cable Stay BridgeWestboundCL3 - Lane 309485014Surface, Regulating, Binder55 - 113**Surfacing depths vary over the length of the bridge deck. Refer to drawing note 13.Surface is a surface in the bridge deck. Refer to drawing note 13.Surface is a surface is a surface is a surface in the bridge deck. Refer to drawing note 13.Surface is a surface in the bridge deck. Refer to drawing note 13.	Cable Stay Bridge -
7M4 PoW Cable Stay BridgeWestboundHS - Hard Shoulder09485014Surface, Regulating, Binder55 - 113*8M4 PoW Cable Stay BridgeWestboundCL1 - Lane 109486510Surface, Regulating, Binder55 - 113*9M4 PoW Cable Stay BridgeWestboundCL2 - Lane 209486010Surface, Regulating, Binder55 - 113*10M4 PoW Cable Stay BridgeWestboundCL3 - Lane 309485014Surface, Regulating, Binder55 - 113*	Cable Stay Bridge - Proposed Surfacing (Sheet 2 of 2) Original Drawing Size : A1 Scale : As Shown Dimensions : Metres Drawing Status Suitability
7 M4 PoW Cable Stay Bridge Westbound HS - Hard Shoulder 0 948 50 14 Surface, Regulating, Binder 55 - 113* 8 M4 PoW Cable Stay Bridge Westbound CL1 - Lane 1 0 948 65 10 Surface, Regulating, Binder 55 - 113* 9 M4 PoW Cable Stay Bridge Westbound CL2 - Lane 2 0 948 60 10 Surface, Regulating, Binder 55 - 113* 10 M4 PoW Cable Stay Bridge Westbound CL3 - Lane 3 0 948 50 14 Surface, Regulating, Binder 55 - 113* *Surfacing depths vary over the length of the bridge deck. Refer to drawing note 13. Pavement Schedule Scale N/A Scale N/A	Cable Stay Bridge - Proposed Surfacing (Sheet 2 of 2) Original Drawing Size : A1 Scale : As Shown Dimensions : Metres