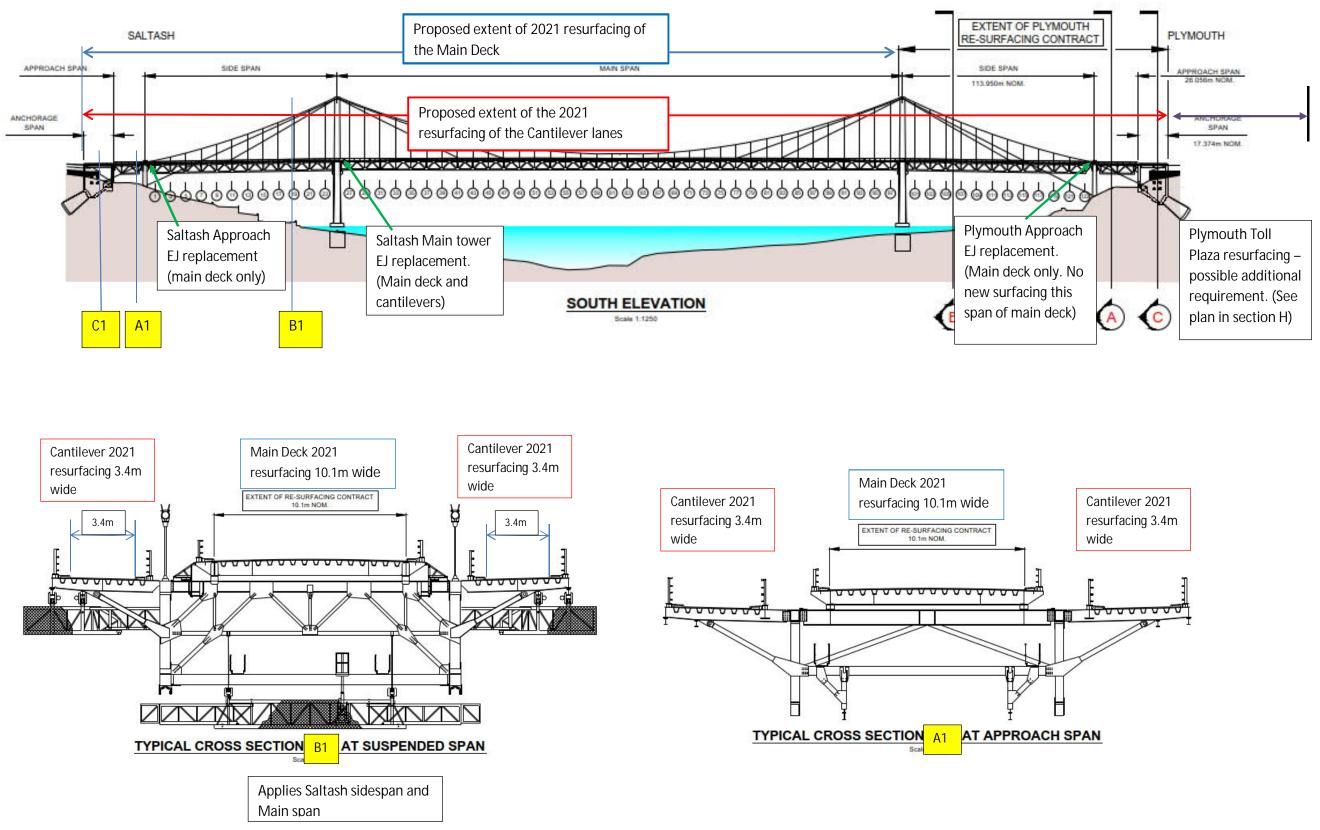
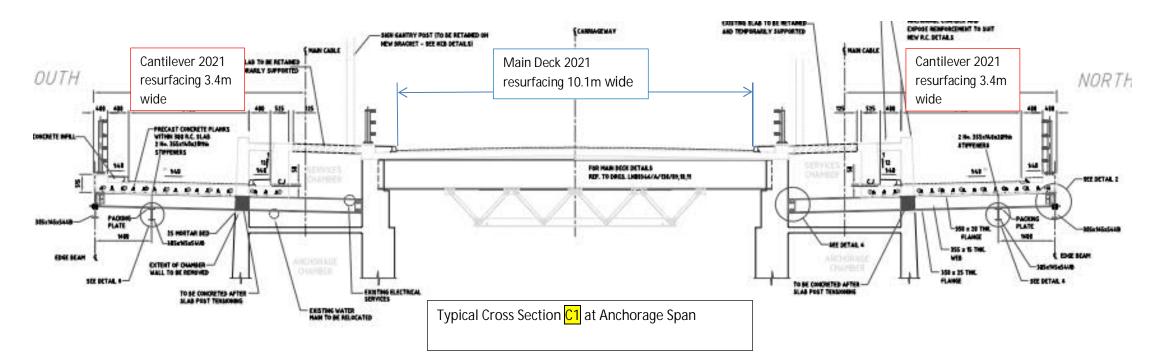
Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

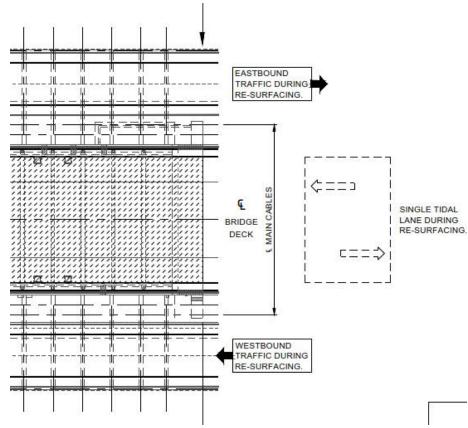
A - Extent of resurfacing operations proposed shown on structure drawings



Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice



B – Indicative lane constraints / TM



Activity	Lane status	Arrangements / I
Main deck surfacing		
Off peak hours (23.00-7.00)	Main deck can be fully closed to traffic provided 1 EB and 1 WB lane available on the cantilevers	Subject to TB app
Peak hours (7.00 to 23.00)	One main deck lane to be available to supplement the cantilever lanes. The direction of the main deck lane will be "tidal" i.e. either EB or WB to suit traffic conditions	There can be sev morning and after conditions. Thes Crossings Contro
Cantilever surfacing		
At all times	The affected cantilever will be closed and all other lanes will be open	Localised temp T permitted in con

'notifications

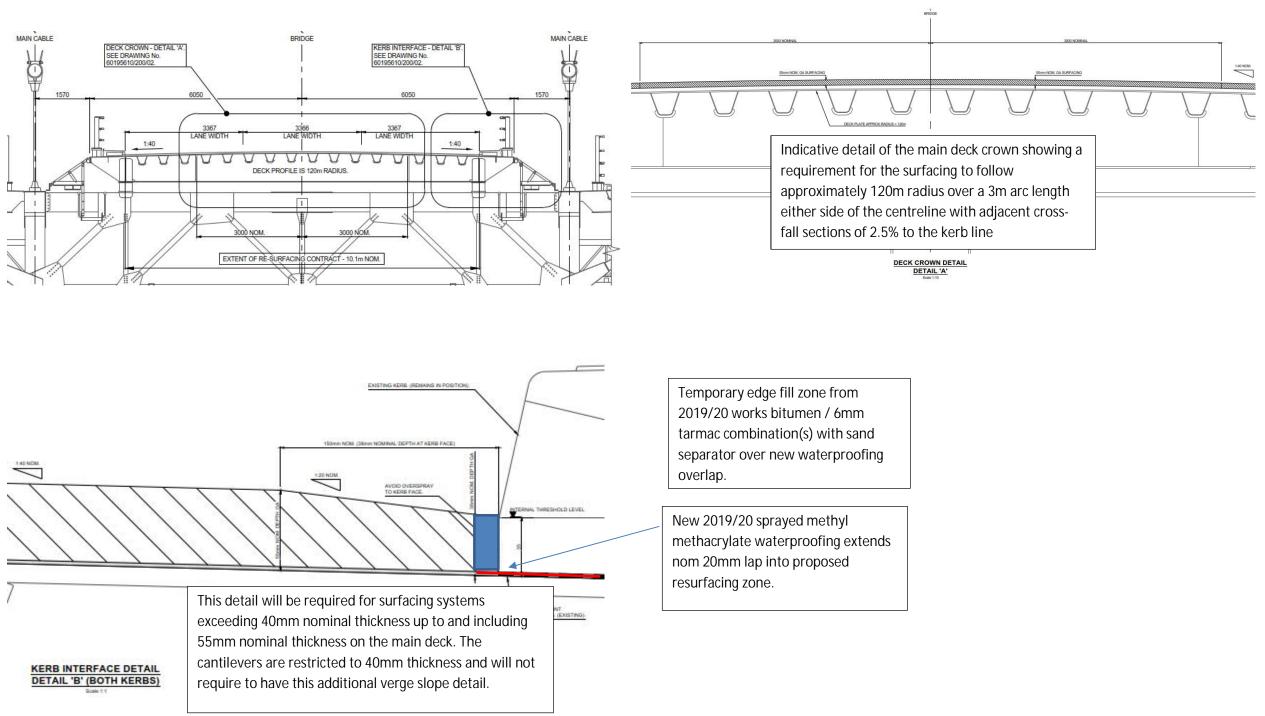
oproval – reviewed daily

everal TM tidal changes in the ternoon to suit prevailing traffic ese will be determined by Tamar ol Room / Bridge Supervisor

TM to suit plant movements will be nsultation with TB control.

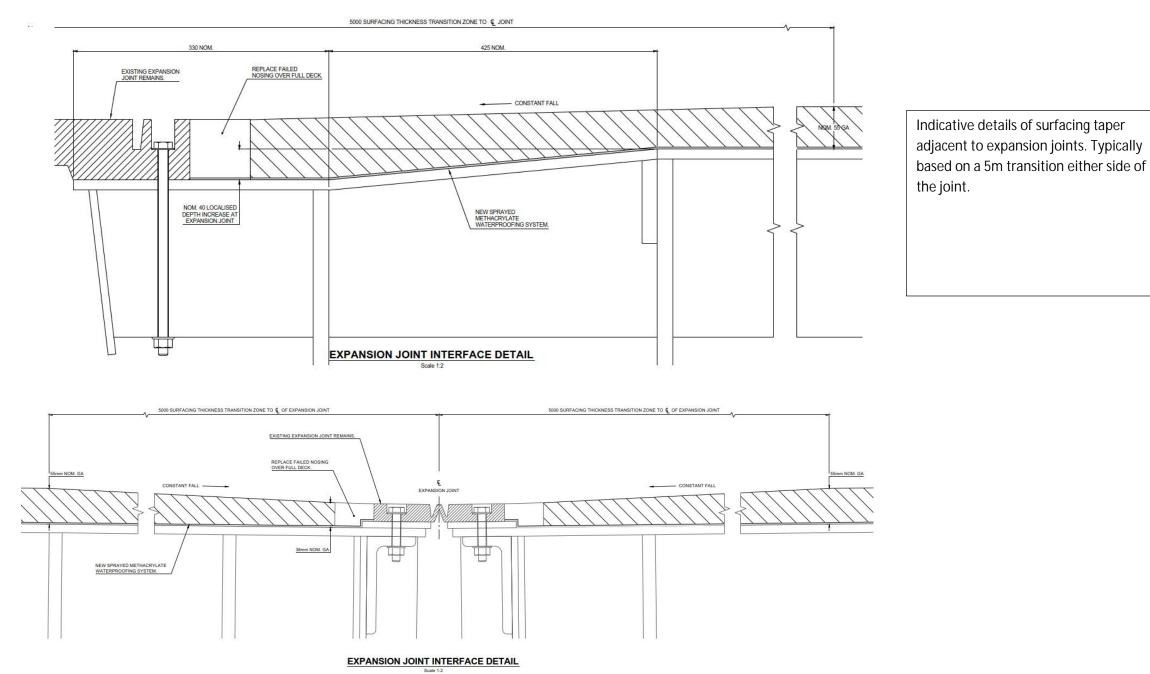
Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

C – Indicative surfacing profile and edge detail – main deck



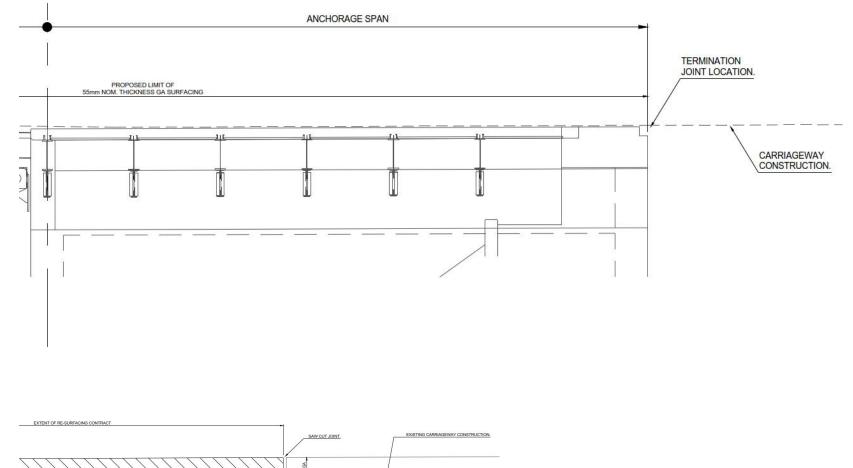
Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

D – Indicative detail of surfacing profile at expansion joints (typical)



Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

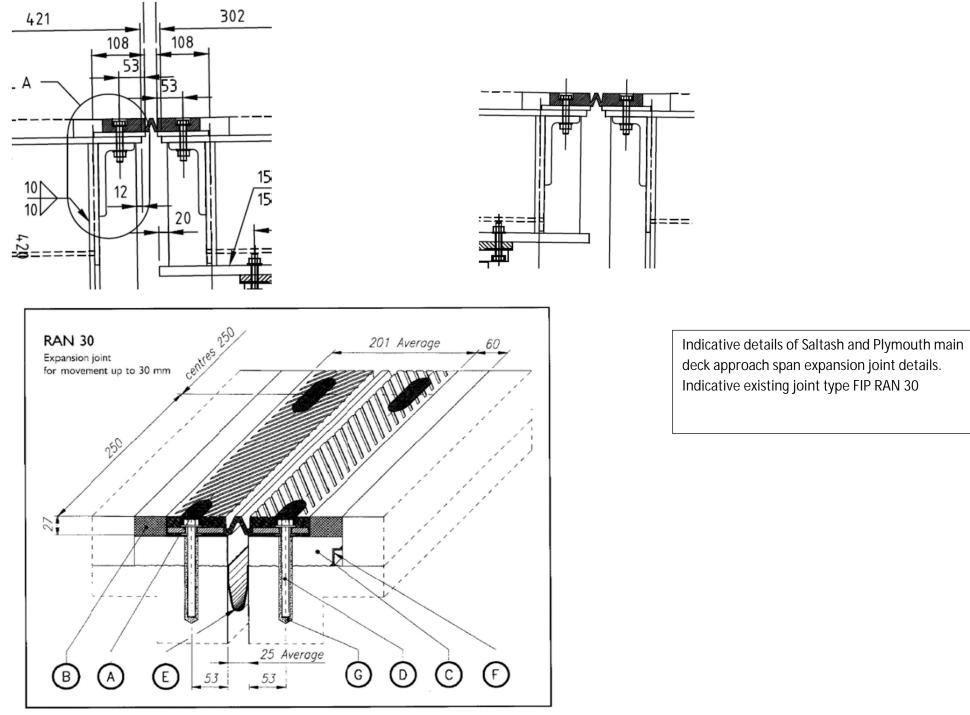
E – Indicative surfacing end termination detail



Typical termination joint detail against adjoining carriageway construction behind the anchorage spans. As drawn for Plymouth, Saltash similar.

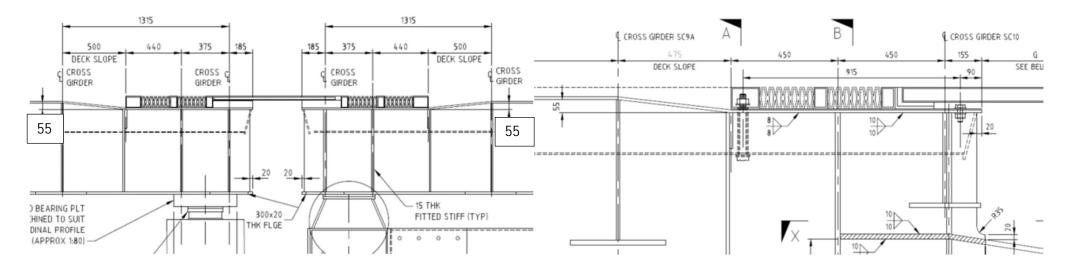
Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

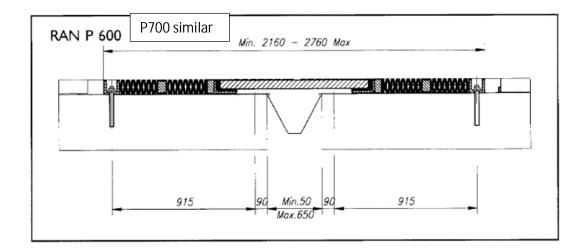
F – Expansion joint replacement (minor) Saltash Approach span



Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

G – Indicative details of Saltash Main Tower EJ





Indicative details of Saltash main tower expansion joint. (RAN P700 on cantilever lanes). Main deck joint (only) replaced in 2015 but now potentially requiring further replacement to allow inclusion of increased stainless steel sliding plate and bedding mortar. If these optional works are to be undertaken it will be necessary to replace the FIP RAN P600 with a new unit (rather than reinstalling the part worn unit).

Proposed Resurfacing 2021 – Contract notice stage – Preliminary indicative scope information (pre-dialogue) – June 2020 for Contract Notice

H - Toll Plaza resurfacing

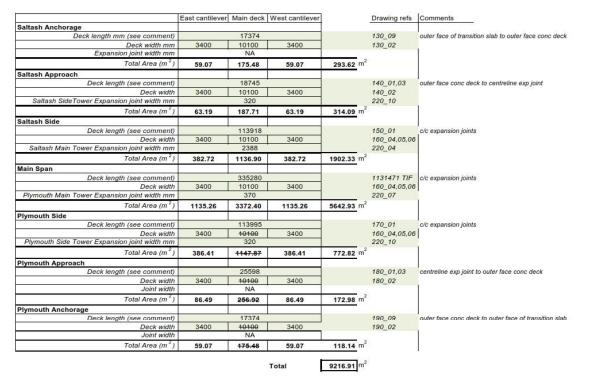
and a large						
			LEGEND			1
	AREA	SURFACE COURSE	BINDER / BEDDING COURSE	BASE	SUB-BASE	CAPPING
Δ.	TOLL PLAZA APPROACH	GREY ANTI-SKID (EPOXY I WITH 1-3mm GRADED CA BAUXITE AGGREGATE, PSV	LCIFIED	F TESTING EXISTING SURFAC		·
	TOLL PLAZA RIGID ROAD CONSTRUCTION	250mm AIR ENTRAINED RC SLAB GRADE C32/40 CONCRETE			150mm TYPE 1 GRANULAR MATERIAL	SEE APPENDIX 6/7 TABLE6/7-1 OF THE SPECIFICATION
	TOLL PLAZA TRANSITION SLAB	SEE DRAWING P	No. 116983/CO03	250mm THICK SLAB	150mm TYPE 1 GRANULAR MATERIAL	SEE APPENDIX 6/7 TABLE6/7-1 OF THE SPECIFICATION
	FLEXIBLE ROAD CONSTRUCTION	35mm SMA 14mm NOM STONE SIZE PSV 65	65mm DBM50 20mm NOM STONE SIZE	200mm DBM50 28mm NOM, STONE SIZE	150mm TYPE 1 GRANULAR MATERIAL	SEE APPENDIX 6/7 TABLE6/7-1 OF THE SPECIFICATION
nereda) Secondar Secondar	TOLL PLAZA ISLAND CONSTRUCTION	200mm AIR ENTRAINED CONCRETE GRADE C2B/30			150mm TYPE 1 GRANULAR MATERIAL	
000000	Flexible bituminus Footway construction	30mm CLOSE GRADED MACADAM 6mm NOM. STONE SIZE	60mm DBM125 20mm NOML STONE SIZE		150mm TYPE 1 GRANULAR MATERIAL	
\boxtimes	scarify and overlay	35mm SMA 14mm NOM STONE SIZE PSV 65				

Indicative zone for Toll Plaza resurfacing from the end of the bridge anchorage span to the A38 roundabout intersection. Note that the concrete hardstandings and concrete kerbs and verges within this boundary are not for replacement.

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The following tabulation gives the indicative areas for resurfacing based on information contained within the historical record drawings. The Contractor will be responsible for determining exact quantities.

SURFACING AREAS



21

1 Deck widths taken as distance from internal faces of kerb units

References

1	Drawing List	100 03
2	Saltash Anchorage Cantilever Cross Section and details sht 1of 3	130 02
3	Saltash Anchorage_Main Deck_General Arrangement	130_09
4	Saltash Approach Span - General Arrangement - New Truss	140_01
5	Saltash Approach Span_General Arrangement_Section	140_02
6	Saltash Approach Span_General Arrangement_Plan	140_03
7	Saltash Side Span_Plan	150_01
8	Main Span_Plan	160_01
9	Suspended spans - Main deck cross section	160_04
10	Suspended spans - Cantilever cross section - Sheet 1	160_05
11	Suspended spans - Cantilever cross section - Sheet 2	160_06
12	Plymouth Side Span_Plan	170_01
13	Plymouth Approach Span - General Arrangement - New Truss	180_01
14	Plymouth Approach Span_General Arrangement_Section	180_02
15	Plymouth Approach Span_General Arrangement_Plan	180_03
16	Plymouth Anchorage_Cantilever Cross Section and details_sht 1of 3	190_02
17	Plymouth Anchorage_Main Deck_General Arrangement	190_09
18	Expansion Joints - GA of main deck at Saltash Main Tower	220_04
19	Expansion Joints - GA of main deck at Plymouth Main Tower	220_07
20	Expansion Joints - Approach Spans - Sections & Details	220_10

P:\UKLON06-TI\Projects\Structures - Tamar Road Bridge Technical Consultancy Support Contract\H&S FILE\Hyder Original As-Built Drawings 1998

Existing General Arrangement 1131471 TIF

Summary (Bridge deck)

Total area for 2020 bridge deck resurfacing (approx.) = 92

Approximate surfacing volume at 40mm thickness = 369

Approximate 40mm surfacing weight at 2.3t / m³ = 850

Approximate surfacing volume at 55mm thickness = 507

Approximate 50mm surfacing weight at 2.3t / $m^3 = 1166$

Summary (Toll Plaza)

Approximate surfacing area for replacement - In the reg 2000m² – see indicative plan

Likely depth of replacement system = 35mm SMA / equ course, + 65mm binder = total 100mm depth of replacement.

Approximate surfacing volume = 200m³

Approximate weight at 2.3t $/m^3 = 460t$

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