

PITTING CORROSION TO XGI
BOTTOM FLANGE AT MAIN AND
CROSS GIRDER CONNECTIONS
(2 TO 3mm LOSS OF
THICKNESS)

25% AREA OF DECK HAS
PITTING CORROSION PATCHES
(2 TO 3mm LOSS OF SECTION)

PITTING CORROSION TO XGI
BOTTOM FLANGE AT MAIN
AND CROSS GIRDER
CONNECTIONS (80% BOTTOM
FLANGE WIDTH L.O.S)

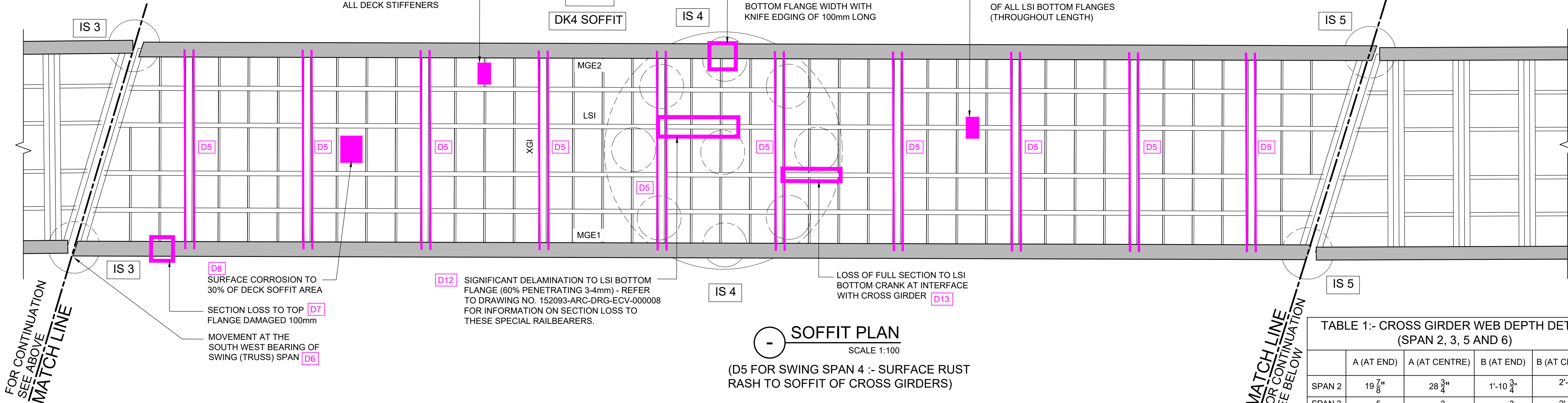
DOWN LINE
TO SWANSEA

2 TO 3mm L.O.S TO MGE1
BOTTOM FLANGE

D10

PITTING CORROSION TO XGI
BOTTOM FLANGE AT MAIN AND
CROSS GIRDER CONNECTIONS
(2 TO 3mm LOSS OF THICKNESS)

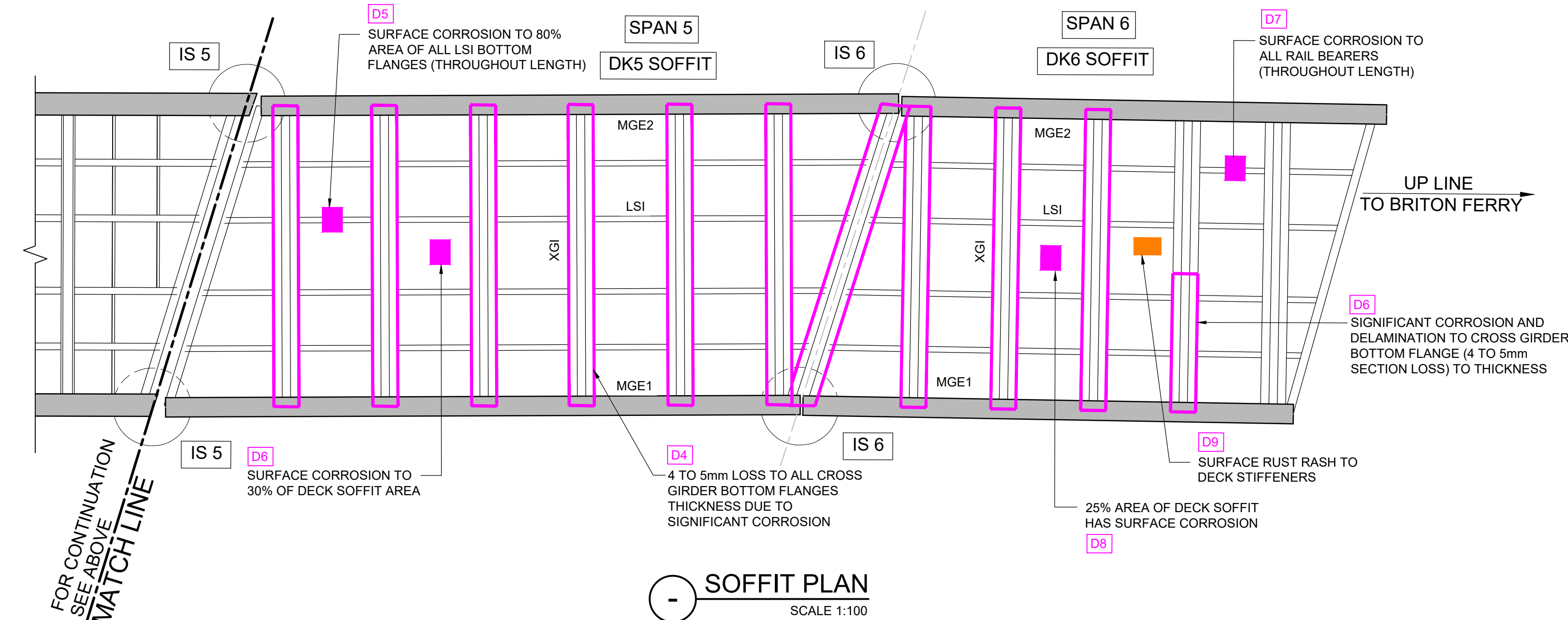
D13



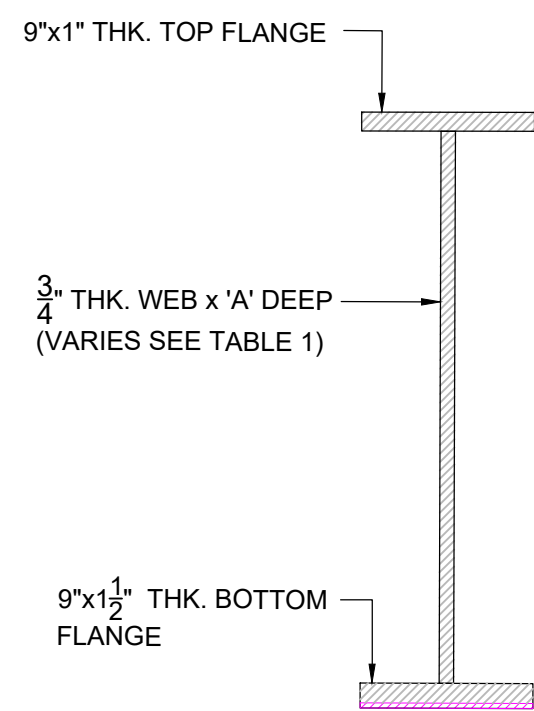
SOFFIT PLAN
SCALE 1:100

SOFFIT PLAN
SCALE 1:100

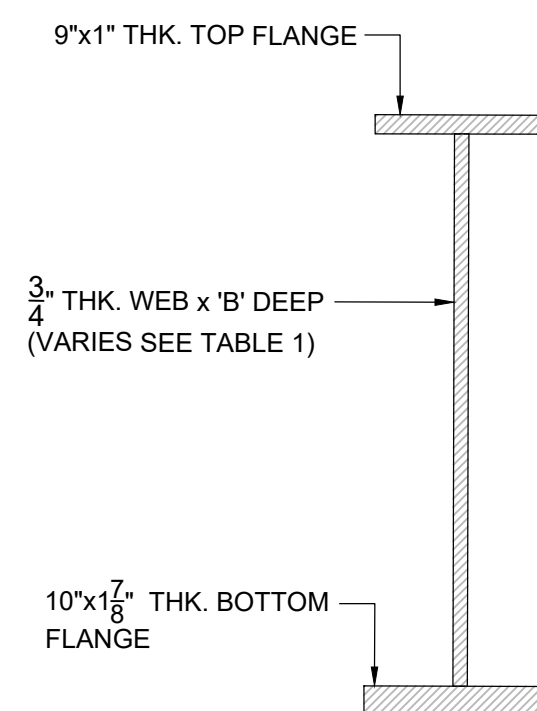
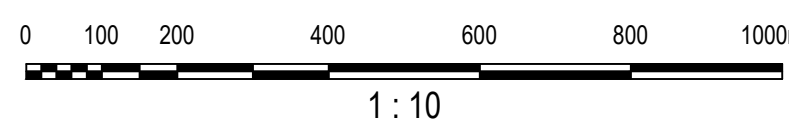
(D5 FOR SWING SPAN 4 :- SURFACE RUST
RASH TO SOFFIT OF CROSS GIRDERS)



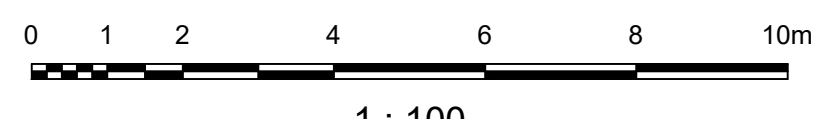
SOFFIT PLAN
SCALE 1:100



TYPICAL CROSS GIRDER
SECTION (XGE)
SCALE: 1:10
(SPAN 2, 3, 5 AND 6)



TYPICAL CROSS GIRDER
SECTION (XGI)
SCALE: 1:10
(SPAN 2, 3, 5 AND 6)



MATCH LINE
FOR CONTINUATION
SEE BELOW

TABLE 1:- CROSS GIRDER WEB DEPTH DETAIL (SPAN 2, 3, 5 AND 6)				
	A (AT END)	A (AT CENTRE)	B (AT END)	B (AT CENTRE)
SPAN 2	19 7/8"	28 3/4"	1'-10 3/4"	2'-4"
SPAN 3	19 5/8"	28 3/4"	1'-10 3/4"	2'-4"
SPAN 5	17 3/8"	28 3/4"	1'-10 3/4"	2'-4"
SPAN 6	17 3/8"	28 3/4"	1'-10 3/4"	2'-4"

NOTE:- MINIMUM XGE WEB DEPTHS HAVE BEEN SHOWN IN THE
ABOVE TABLE. REFER TO ARCHIVE DRAWINGS FOR OTHER DETAILS.

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES
AOD UNLESS NOTED OTHERWISE.
 - DO NOT SCALE OFF THIS DRAWING, USE FIGURED DIMENSION
ONLY.
 - THIS DRAWING HAS BEEN PREPARED BASED ON TOPOGRAPHICAL
SURVEY UNDERTAKEN BY JOHN VINCENT SURVEYS LTD. IN
NOVEMBER 2018 ON BEHALF OF ARCADIS CONSULTING (UK) LTD.
 - THIS DRAWING HAS BEEN PREPARED BASED ON NETWORK RAIL
ARCHIVE DRAWING No. MF1386, MF16279, MF13787, MF39241,
MF13789, MF38862, MF38863, MF38865, MF38864 MF38859.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWINGS:
152093-ARC-DRG-ECV-000002,
152093-ARC-DRG-ECV-000003,
152093-ARC-DRG-ECV-000004 &
152093-ARC-DRG-ECV-000006.
 - REFER TO DRAWING NO. 152093-ARC-DRG-ECV-000030 FOR
TABLE OF DEFECTS.
 - REFER TO DRAWING NO. 152093-ARC-DRG-ECV-000025 FOR
DETAILS / DEFECTS OF EXISTING BEARING.
 - THIS DRAWING HAS BEEN PREPARED BASED ON TOPOGRAPHICAL
SURVEY UNDERTAKEN BY PBH SURVEYS IN JANUARY 2020 ON
BEHALF OF ARCADIS CONSULTING (UK) LIMITED.

- LEGEND:-
- SURFACE RUST RASH
 - CORROSION TO RAIL BEARERS/ CROSS GIRDERS/
MAIN LONGITUDINAL GIRDERS/ DECK PLATE
 - MOSS GROWTH
 - PART OF SECTION NOT CONSIDERED TO BE
EFFECTIVE STRUCTURALLY

- GENERAL INSPECTION NOTES:-
- DECK SOFFIT OF ALL SPANS IS IN FAIR CONDITION AND
GENERAL RUST RASH CAN BE OBSERVED IN MOST
AREAS OF THE DECK PLATE SOFFIT.
 - MAIN GIRDER AND CROSS GIRDER WEBS OF ALL SPANS
ARE IN FAIR CONDITION.
 - SECTION LOSS AND DELAMINATION TO DK1 XGI BOTTOM
FLANGE AT XGI AND MGE CONNECTION LOCATIONS.
 - UNDER SLUNG MAINTENANCE ACCESS GANGWAY IS
SIGNIFICANTLY CORRODED AND DELAMINATED.
- L.O.S - LOSS OF SECTION

NOTE: D1, D2, ... - DEFECT NUMBERING

A03	24.04.2020	FOR FORM 001 REVIEW	K.S	B.K	J.L
A02	05.02.2020	FOR FORM BA REVIEW	D.K	B.K	J.L
A01	29.01.2019	FOR FORM AA REVIEW	D.K	B.K	J.L
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability

FOR FORM 001 REVIEW

S3



Contractor(s):



Project:

RIVER NEATH SWING
BRIDGE GRIP 4

Drawing Title:

SOFFIT PLAN
DEFECTS

Designed	S. ALURU	Signed	S.A	Date	24.04.2020
Drawn	K. SRILEKHA	Signed	K.S	Date	24.04.2020
Checked	B. KING	Signed	B.K	Date	24.04.2020
Approved	J. LYNN	Signed	J.L	Date	24.04.2020
Scale(s)	AS SHOWN @ A1				
Alternative Reference	SDI1 207m 63ch				
Drawing Number	152093	Sheet	1	of	1
Drawing Number	152093-ARC-DRG-ECV-000005	Revision			
					A03