



Forth road bridge . Suspended structure principal inspection (Side span north) SSNPI. 03			
PP. 23.5. TO PP 20. Main span North.			
Location / Area of Inspection.			
Element / Part / Item	Recorded defects. : (Structure number if applicable)	Inspection Date.	Repairs completed
		Inspector.	Date.
Deck Soffit.	Concrete remains in a satisfactory condition., through areas inspected between PP. 23.5. TO PP. 20.	. 27.05.15.	
Trough stiffeners.	N/A	27.05.15.	
Stringer bearing pads.	Heavy corrosion, paint breakdown on stringer bearing plate edges and bolts.	27.05.15.	
Cross girder beams.	All bolts intact & secure. Areas of corrosion evident. Protective coating required. Located at pp. 20 on beam No 1. (East only) redundant conduit requires to be removed.	. 27.05.15.	
Billets.	N/A. NO BILLETS ON SIDE SPAN STRINGERS.	27.05.15.	
Top laterals.	corrosion & paint breakdown evident on bolts. No bolts missing. Top bolt cluster bolts intact & secure. Discolouration on exposed steelwork. Requires to be washed down.	27.05.15.	
Bottom laterals.	TBD. Access required.	27.05.15.	
Braking girders.	N/A At this location	.27.05.15.	
King posts.	TBD. Access required.	.27.05.15.	
Vertical trusses.	corrosion evident on inner & outer faces. On top connection bolt clusters. Bottom bolt clusters to be completed. Top bolt cluster bolts intact & secure.	.27.05.15.	
Diagonal trusses.	corrosion evident on inner & outer faces. On top connection bolt clusters. Bottom bolt clusters to be completed. Top bolt cluster bolts intact & secure	.27.05.15.	
Top chord (general)	Heavy corrosion & ,paint breakdown evident on chord underside in areas.. No bolts missing.. Discolouration on exposed steelwork. E&W faces. Requires to be washed down.	.27.05.15.	
Bottom chord (general)	TBD. Access required.		
T/ chord splice boxes	Heavy corrosion. & paint breakdown evident on Access cover plates , threaded stud bolts & nuts.	27.05.15..	
B/chord splice boxes	TBD. Access required.		
Service ducts/ conduits	Utility ducts located under inner balustrade both E &W , holdfasts require to be replaced as required. Bolt missing from clamp on small duct located at PP. 23 EAST. Tri-ducts located under cycle track on the "A" LINE walkway, expansion sleeve jubilee clips require to be replaced.	. 27/05/15.	
Drains /down-pipes	All holdfasts & clamps remain in a satisfactory condition between PP. 23.5 To PP. 20.	. 27.05.15.	
Walk-way supports.	Galvanisation of all walkway angle supports breaking down. , quite heavy pitting & salt presence evident . All support fixings have evidence of paint breakdown evident. & medium to heavy corrosion evident on lindaptor fixings..	. 27.05.15.	
Walk-way decking.	Loose or missing floor clips. Located on A.C & D lines. Expamet flooring , slight corrosion evident.	27.05.15.	



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Element / Part / Item	Recorded defects. : (Structure number if applicable)	Inspection Date.	Repairs completed
		Inspector.	Date.
Cycle track soffit	Cycle track deck soffit deck panel steelwork both E & W, paint breakdown, salts & areas of corrosion evident. Intermediate transverse beams have areas of corrosion & paint breakdown evident..	.27.05.15.	
Cycle track bearings.	All remain intact and in-situ, compression and cracking evident on all elastomeric bearings within these locations..	.27.05.15.	
Hanger rope connection	All Remain in a satisfactory condition all castings , top chord assemblies . fixings & bolts satisfactory.	.25.05.15.	
Lamp post connections.	Remain in a satisfactory condition. fixings & bolts satisfactory.	.27.05.15.	
Sign post connections	N/A. At this location	.27.05.15.	
R/beam connections	TBD	.27.05.15.	
Grillages.(underside)	areas of corrosion & paint breakdown evident throughout upper front . Redundant electrical conduit running from pp. 24 to pp. 20. on the underside of the centre grillage , requires to be removed.	.27.05.15.	
Paintwork. (general)	please refer to individual locations for paintwork condition, in general , all areas require remedial paintwork to be carried out.	.27.05.15.	
Corrosion (general)	please refer to individual locations for corrosion condition, in general , all areas require remedial works to be carried out prior to the application of new protective coating .	.27.05.15.	
X/ over steelwork. & Deck fasteners.	All remain intact & secure. Beam support blocks please refer to individual locations for corrosion condition, in general , all areas require remedial works to be carried out prior to the application of new protective coating .	.27.05.15.	
Miscellaneous Information.	General comments. :	General comments. :	General comments. :

