

	1	Corrosion to stainless steel sliding surface	
	2	Delaminated, deformed or cracked sliding plate	
	3	Signs of excessive or insufficient grease on sliding plates	
11	Condition of grout pads		
	1	Spalled areas	
	2	Fractures and cracks	
	3	Rust staining	
12	Bearing movement		
	1	Movement of bearing in longitudinal and transverse direction if movement indicators provided	
	2	Evidence that bearing has undergone unexpected movement, eg. Sliding plates at the end of travel	
	3	Deformation of guides (on guided bearings)	

13	Condition of corrosion protection (ie. peeling paint, cracks to paint, rust staining)	
14	Condition of bolts (ie. signs of corrosion, any missing, bolt sockets, check bolts are tight)	
15	Condition of welds (ie. signs of cracks, fissures, broken or incomplete welding)	
16	Condition of other steel bearing parts (i.e. Top and Bottom plate)	
17	Other comments on condition of bearing	
18	Overall condition scoring for each bearing (considering above items 7-17) (see PDF table below)	

Other Remarks

19	Condition of adjacent bridge structure (ie. spalled concrete, cracks, rust staining, exposed rebar)	
20	Any nearby movement joints and is this causing water leakage onto the shelf/bearings?	
21	Signs of ponding on shelf and presence of drainage channels. Is this effective or blocked?	
22	Visible ducts or services which may affect replacement works	
23	Possible route cause of bearing defects and possible mitigation	
24	Estimated remaining service life	
25	Explore any requirements of permanent access platform to inspect the bearing more frequently eg. Need for access steps and bearing inspection shelf	

26	Any other remarks	
----	-------------------	--

LASTLY, REMEMBER TO TAKE PLENTY OF PHOTOS

Overall condition scoring methodology (for answer to Qu.18):

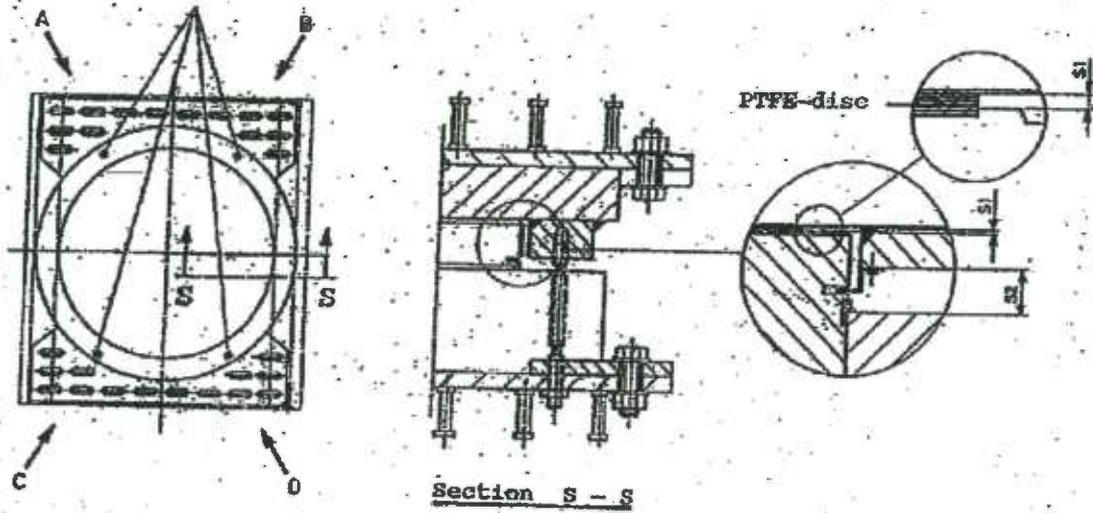
Defect/Condition	S1 (smallest of four readings)	Condition Score
<u>Good:</u> As/almost new condition. No significant defects	>1.5mm	1
<u>Fair</u> Dust on sliding plate Small no. Of cover bolts missing Minor corrosion	1.25 - 1.50	2
<u>Minor defects</u> As above with: -More bolts missing -More corrosion -Dust seal down (minor) -Grease	1.00 - 1.25	3
<u>Moderate defects:</u> As above with: -More bolts missing -More corrosion -Dust seal down (major) -Minor spalling/fractures to grout pad -Cold flow -Heavy grease	0.60 - 1.00	4
<u>Severe defects:</u> Severe spalling/fractures to grout pad Seized bearing Spalling/fracture to plinth Any other critical/urgent defects identified on inspection record sheet	<0.60	5

2.6.2 Sliding and tilting gap (2)

These gaps must be measured at four different points according to the sketch below where

s1 = sliding gap

s2 = tilting gap



Appendix C – Inspection Location Plans

NOTES

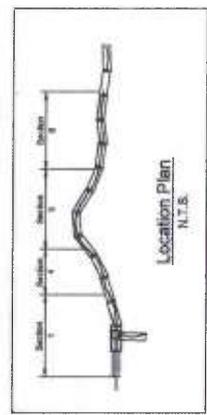
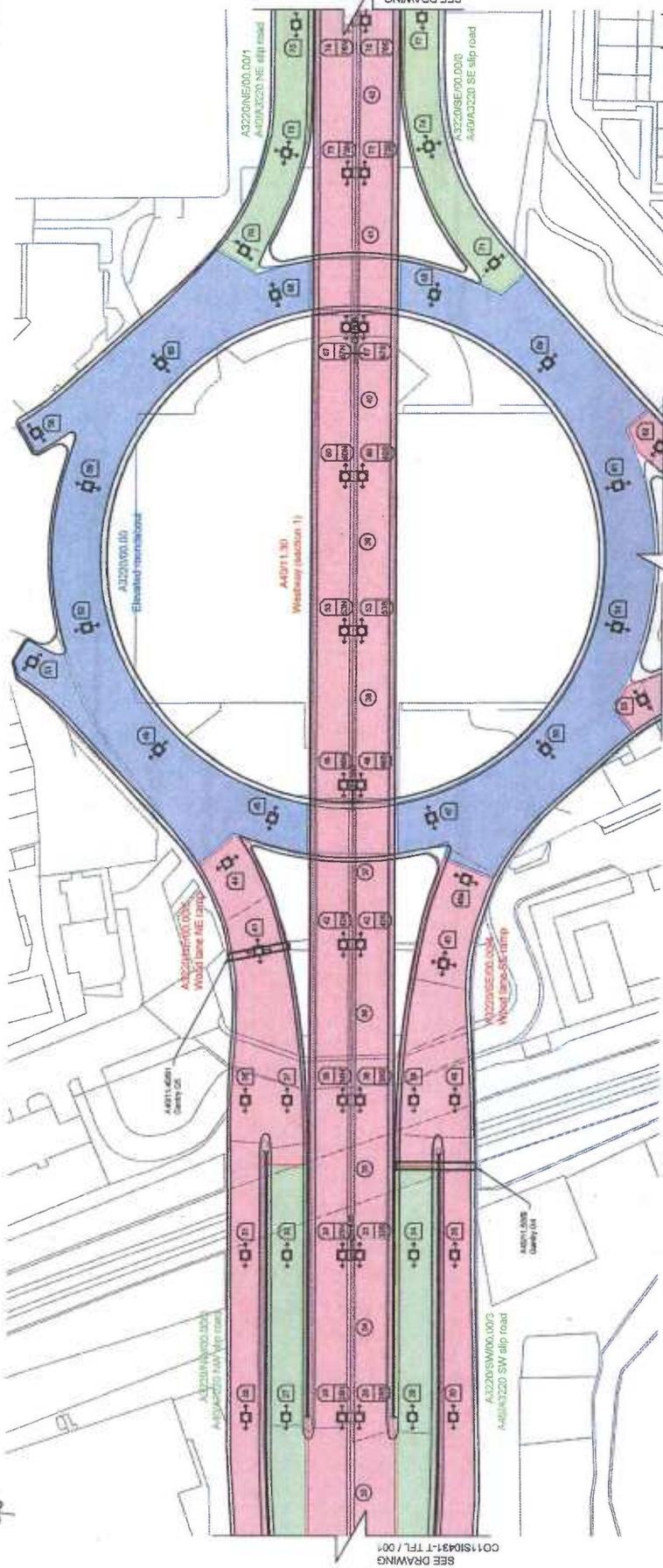
1. This drawing has been produced using a number of different sources. Every endeavour has been made to ensure the details have been drawn correctly and the drawing is sufficiently accurate for the construction of the structure. However, the supporting structure beneath and any associated basement.
2. Do not rely on this drawing for purposes other than described above.

LEGEND

- 1 Longitudinal span reference
- 2 Column & bearing reference
- 3 Bearing reference
- 4 For PTFE bearings (Supports 1 to 100)
- 5 Rubber pad bearings (Supports 105 to 160)
- 6 Anisotropic bearings (Supports 161 to 200)
- 7 Sliding bearings (Supports 201 to 207)
- 8 Spherical bearings
- 9 Shellsoth joint
- 10 Asphaltic plug joint
- 11 Masonry single element joint
- 12 Deming roller exterior joint
- 13 Retaining Wall
- 14 Gully

ARTICULATION KEY

- Guided
- Free
- Fixed



Rev	Description	Checked	Drawn
01	Issue for construction		
02	Issue for construction		
03	Issue for construction		
04	Issue for construction		
05	Issue for construction		
06	Issue for construction		
07	Issue for construction		
08	Issue for construction		
09	Issue for construction		
10	Issue for construction		
11	Issue for construction		
12	Issue for construction		
13	Issue for construction		
14	Issue for construction		
15	Issue for construction		
16	Issue for construction		
17	Issue for construction		
18	Issue for construction		
19	Issue for construction		
20	Issue for construction		



Project Name
A40 WESTWAY MANAGEMENT STRATEGY

Drawing Title
STRUCTURES SECTION 1 ZONE 2 STRUCTURE & ELEMENT REFERENCE PLAN

Original Drawing Size: A1
Scale: 1:200
Dimensions: -
Copyright: © Arup

Drawing No.
CO11S10431 / 002

Rev
00

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NOTES

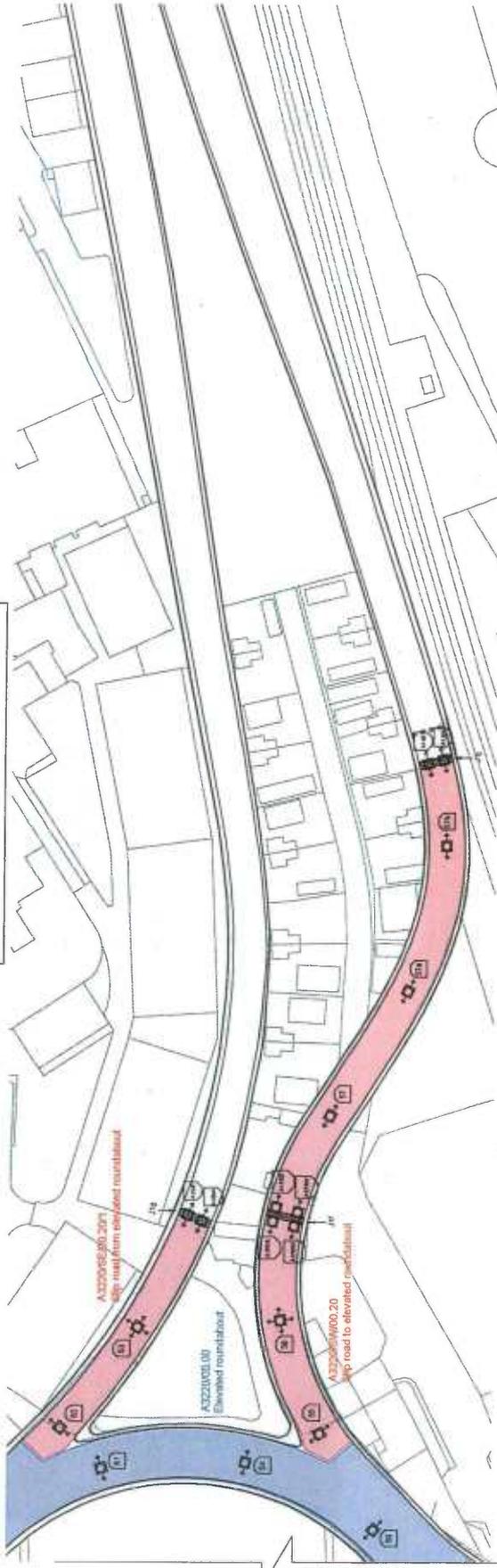
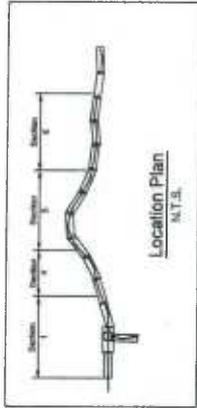
1. This bridge has been prepared using a number of different sources. Every endeavour has been made to ensure that the drawing is as accurate as possible. However, the contractor is responsible for the accuracy of the drawing and for any discrepancies between the drawing and the actual site conditions.
2. Do not rely on the drawing for purposes other than described above.

LEGEND

- ① Longitudinal span reference
- ② Column & bearing reference
- ③ Column reference
- ④ Bearing reference
- ⑤ Post PTFE bearings (Supports 1 to 104)
- ⑥ Rubber pad bearings (Supports 105 to 146)
- ⑦ Antislack bearings (Supports 147 to 164)
- ⑧ Sliding bearings (Supports 165 to 207)
- ⑨ Spherical bearings
- ⑩ Steelball joint
- ⑪ Aliphatic plug joint
- ⑫ Masonry single element joint
- ⑬ Deming roller shutter joint
- ⑭ Restraint Wall
- ⑮ Gantry

ARTICULATION KEY

- Guided
- Free
- Fixed



SEE DRAWING
CO11S10431-T.F.L / 002

Rev	Reason	Date

Drawn	J. Hughes	Prepared	
Design	L. Hooper	For comment	
Check	R. Hooper	For order	
Approved	S. Lamb	For issue	
Date	28/05/2012	As contained	
		Other	



Client
Transport for London

Project Name
A40 WESTWAY MANAGEMENT STRATEGY

Drawing Title
STRUCTURES SECTION 1 ZONE 3 STRUCTURE & ELEMENT REFERENCE PLAN

Original Drawing Size	A1
Scale	1:500
Drawn by	Copyright © TfL

Drawing No
CO11S10431 / 003

Rev
00

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