

**Trub**  
**STR\_4272 /M62//63.40//**

'WARNING – Assume that Asbestos is present. Be familiar with the relevant National Highways Help Guide and follow your own safe working procedures.'



# **Structures General Inspection Report**

**13/02/2023**  
**Completed**

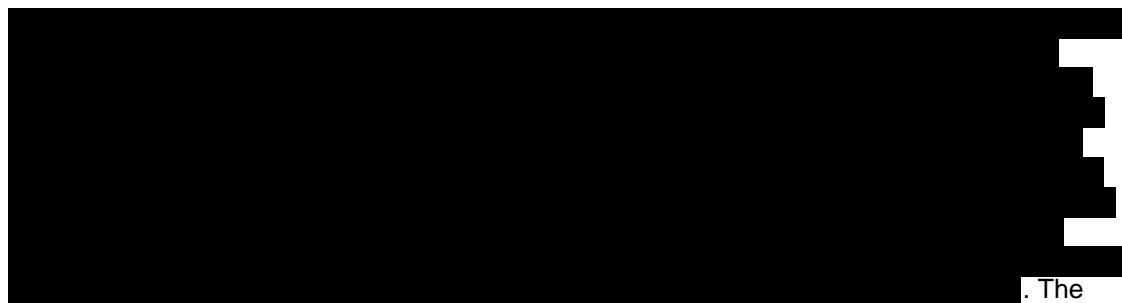
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## 1. Inspection Summary

**Structure Name** Trub **Maintaining Agent** National Highways Area 10/Area 10  
**Structure Key** STR\_4272 **Geographical Area** Manchester  
**Structure Number** /M62//63.40// **Custodian/Region** NH\_OWNED / North West  
**OS Grid** 388500 / 409880 **Structure Type** Bridge And Large Culvert

**General Description**

. The parapets are P1 steel double post and 3 rail and there are safety fences in the centre reserve.

**Structure Articulation**

**Inspection Date** 13/02/2023

Inspection Weather Date	Weather	Day Or Night
13/02/2023	Dry and mild	Day

**Overall Condition** Good  
**Inspection Method** On foot visual  
**Equipment Used** Light hand tools (i.e. camera, chalk and tape)  
**Inspected By** (Inertia)

**Authorised By** **Date Authorised** 06/06/2023

**Summary**

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**Parts of Structure Not Inspected**

Any buried surfaces (i.e. foundations)


## 2. Associated Images and Documents

02. South elevation.JPG

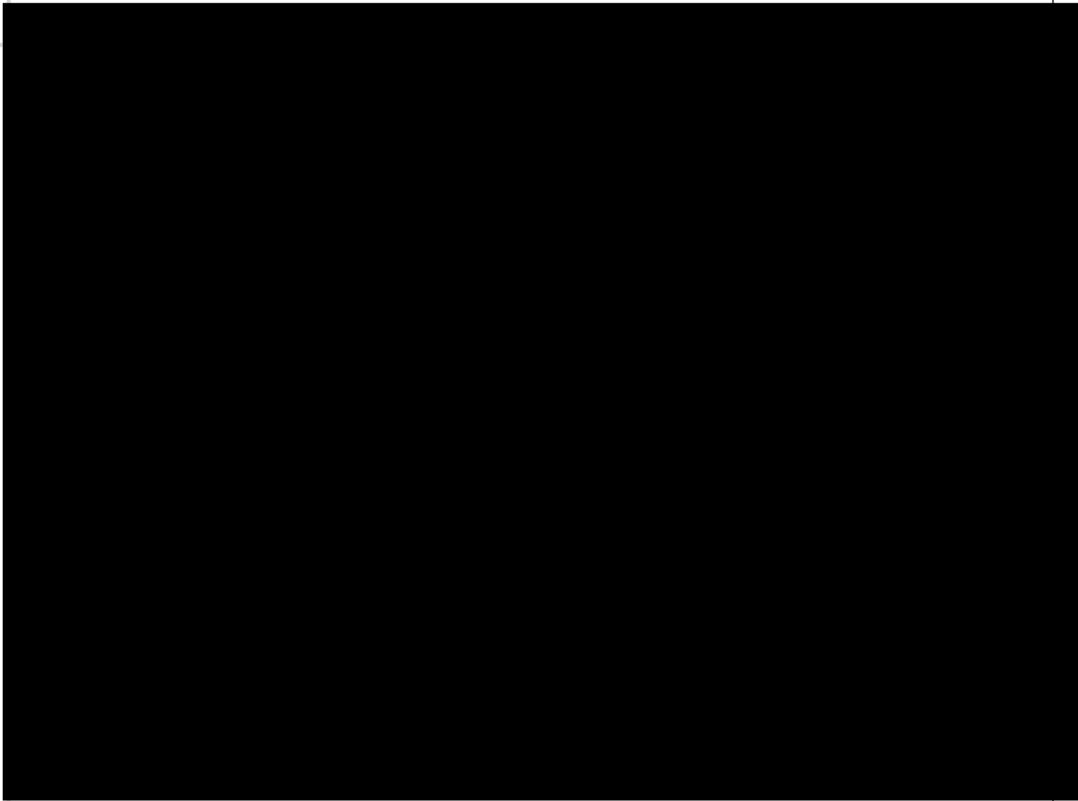
06. West abutment.JPG



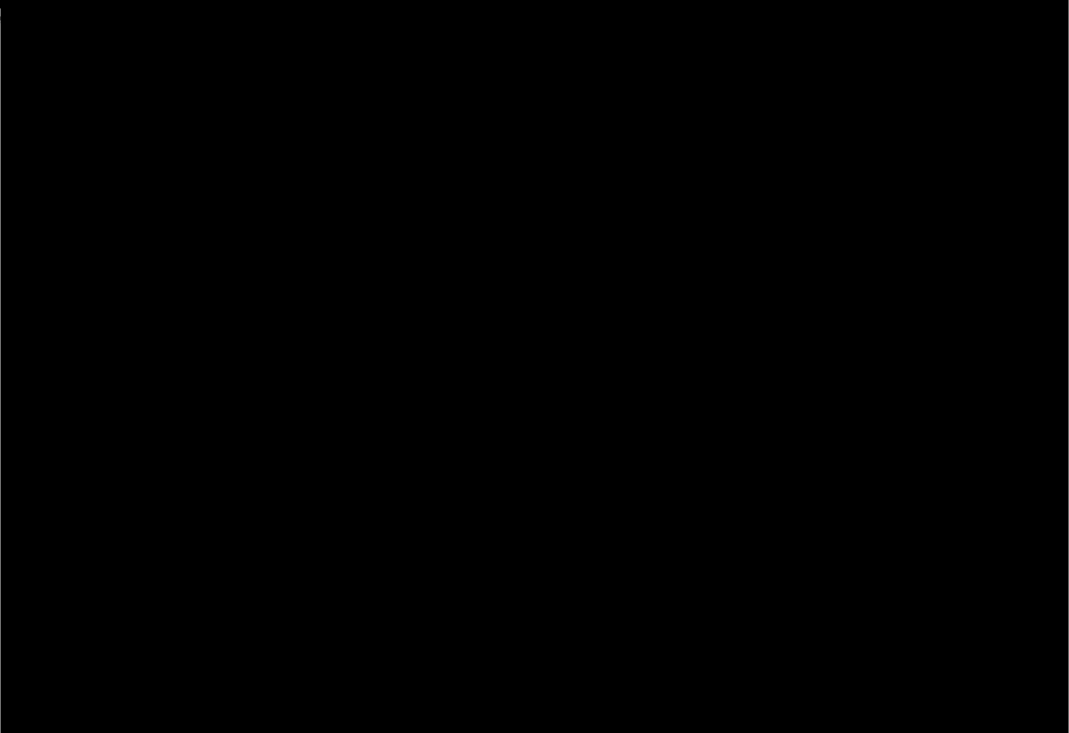
15. South parapet.JPG



05. East abutment.JPG



03. View over looking East.JPG



11. Deck soffit.JPG



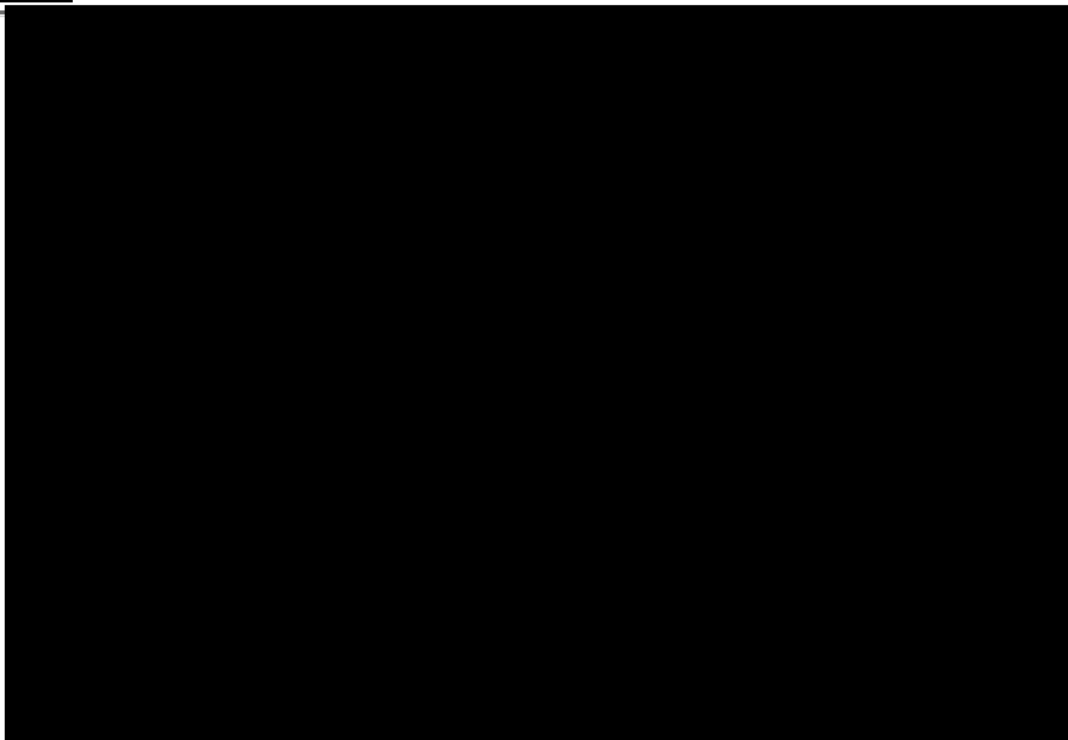
01. North elevation.JPG



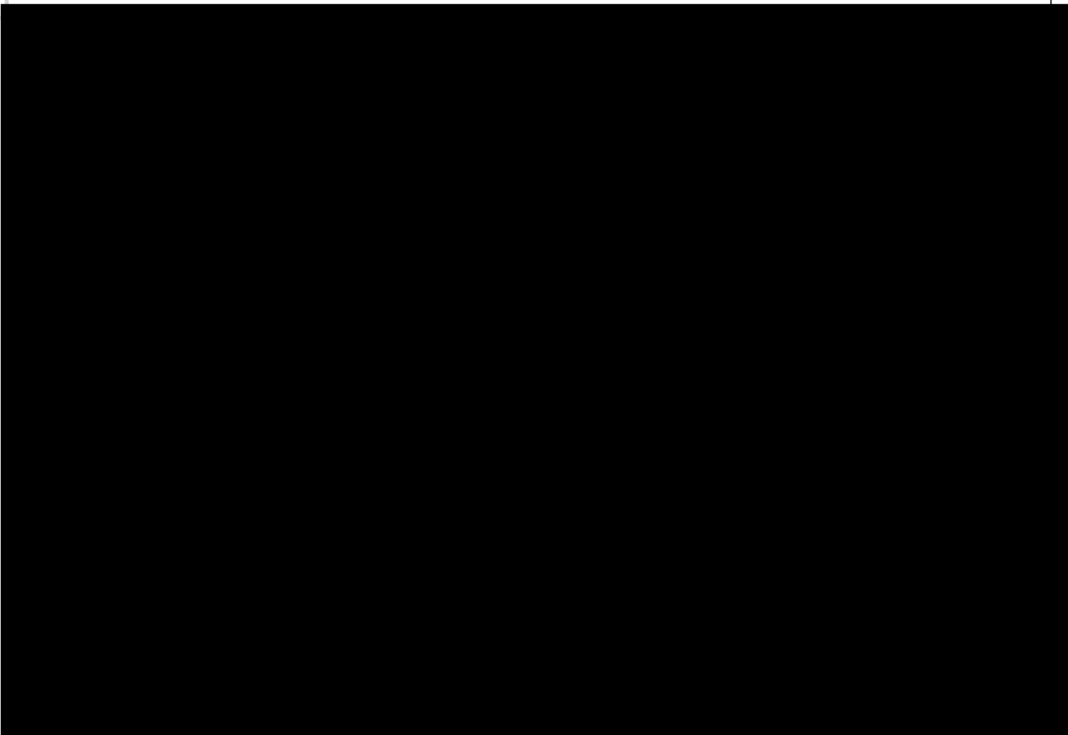
14. North parapet.JPG



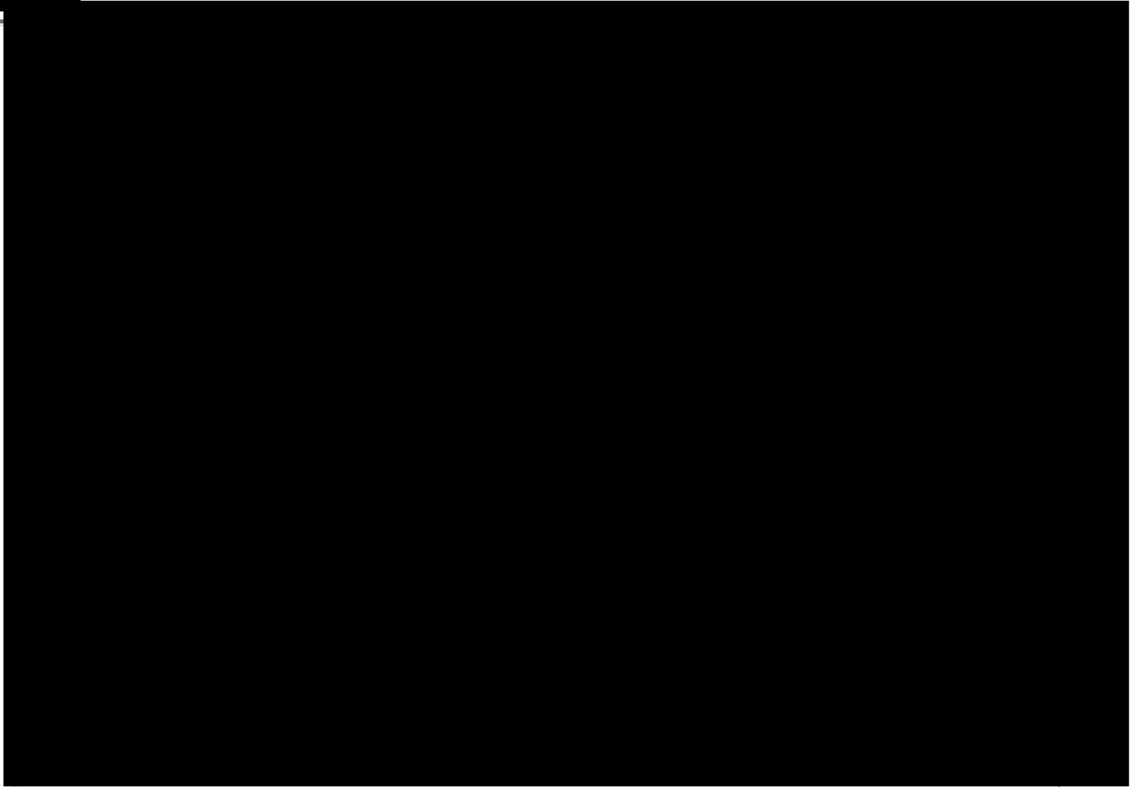
04. View over looking West.JPG



13. Westbound surfacing.JPG



09. South-East wingwall.JPG



08. North-West wingwall.JPG





12. Eastbound surfacing.JPG



07. North-East wingwall.JPG



10. South-West wingwall.JPG



STR\_4272 2023-06-06  
Structures General Inspection  
Report.pdf





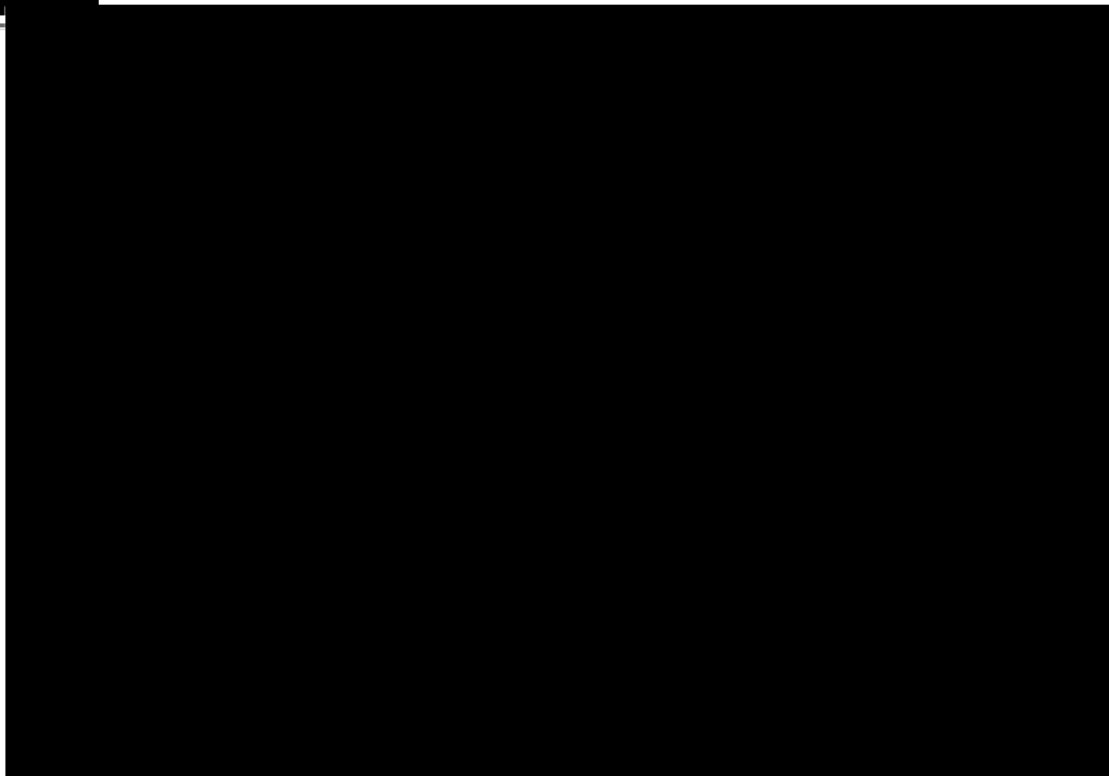


### 3. Observations/Defects Confirmed at this Inspection

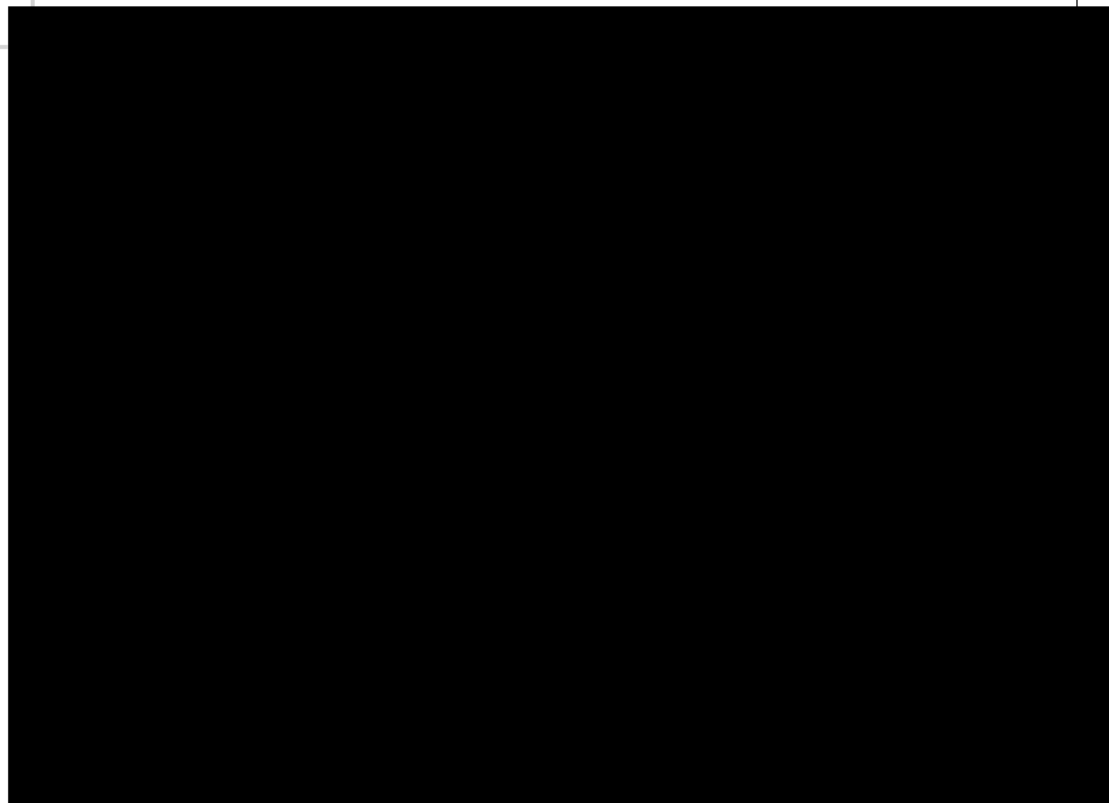
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[illegible]

DSC\_0548.JPG



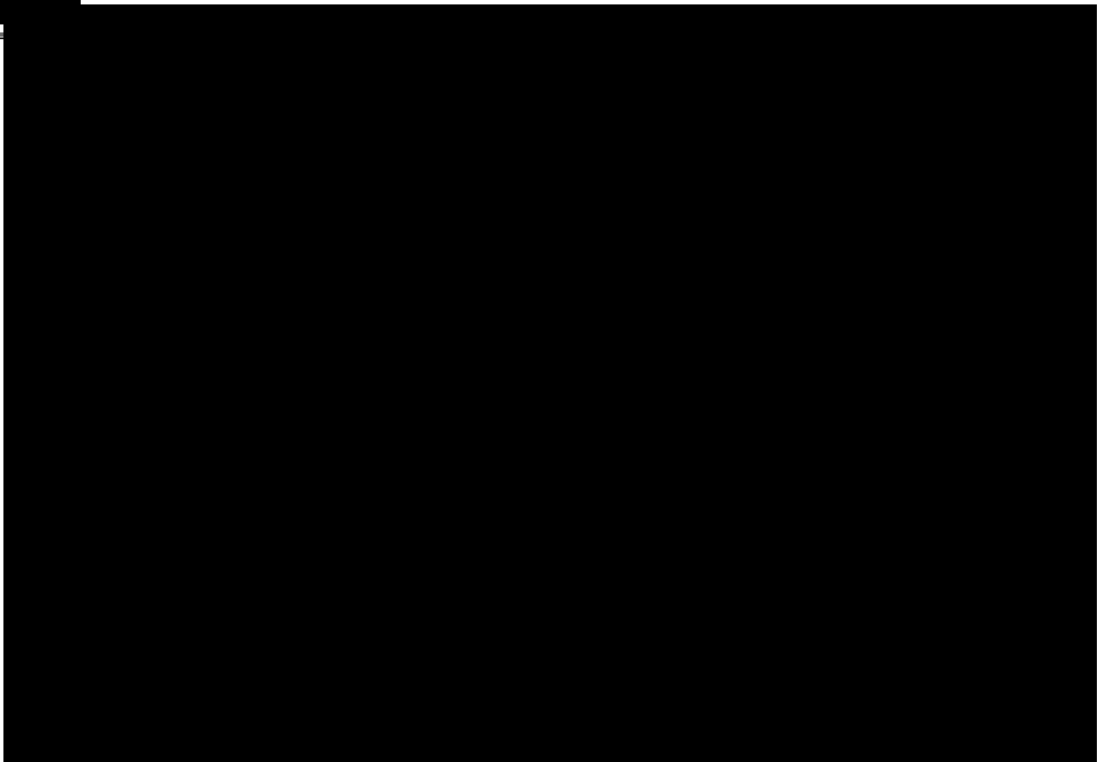
DSC\_0534.JPG



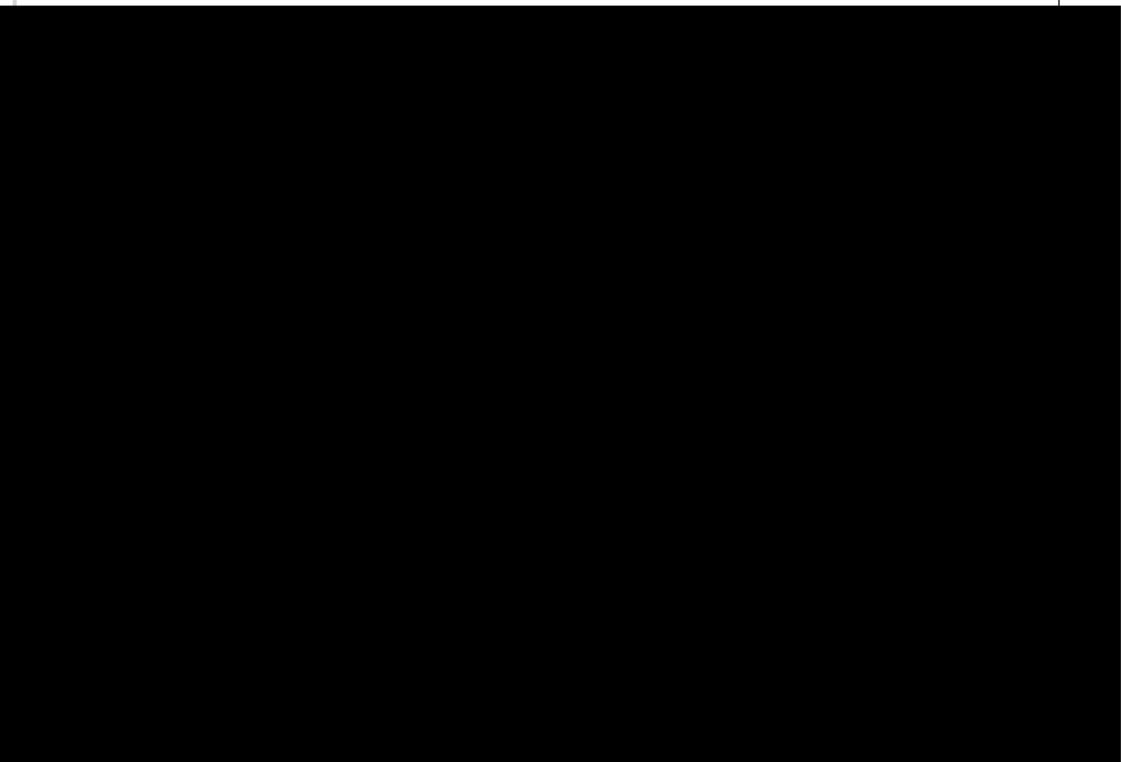
[REDACTED]

**Structures General Inspection Report**  
 Trub /M62//63.40//  
 Data Provided by IAMIS at 11:31 Thursday 20 June 2024

DSC\_0534.JPG

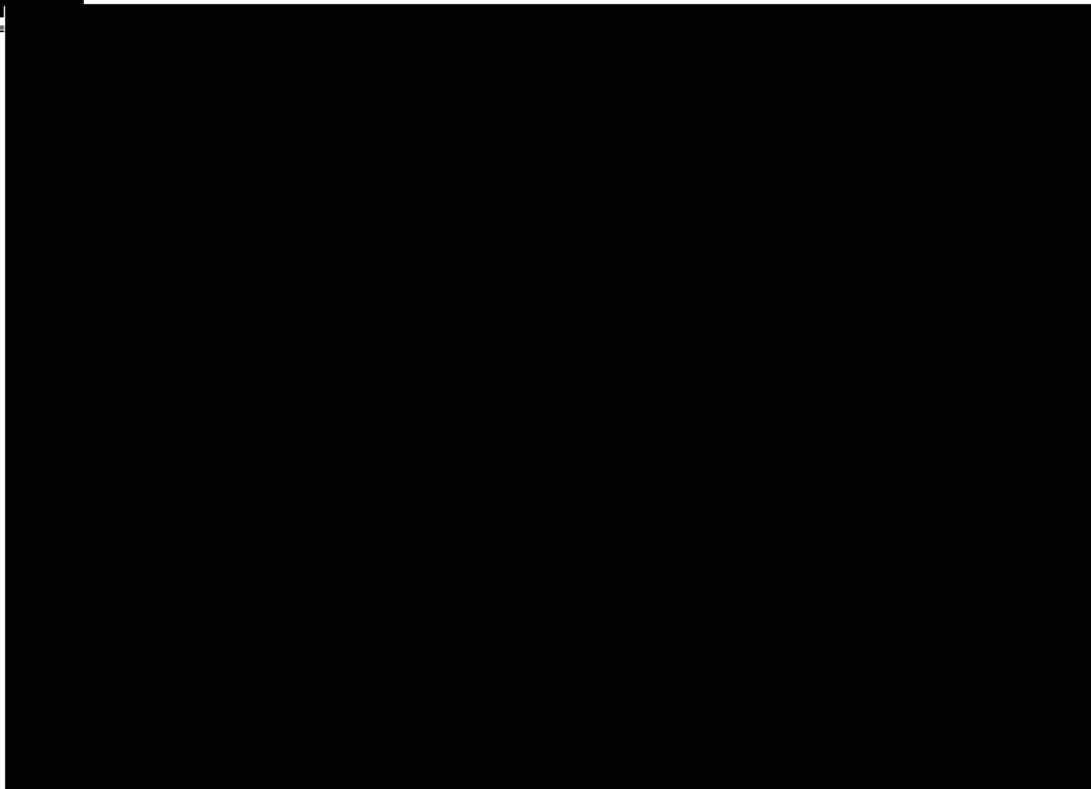


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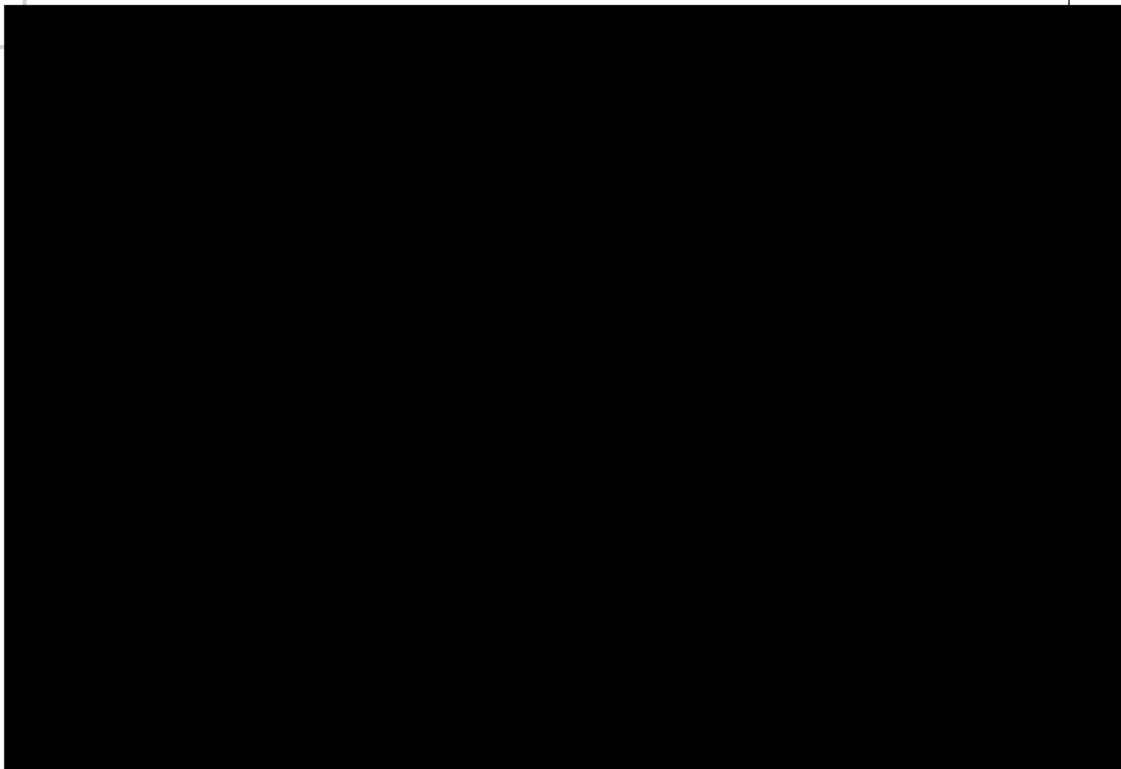


[illegible]

DSC\_0617.JPG



DSC\_0503.JPG

**Defect Code** DEF\_6621643-0001**Component** Wing Wall

North West wing wall

[illegible]




DSC\_0494.JPG

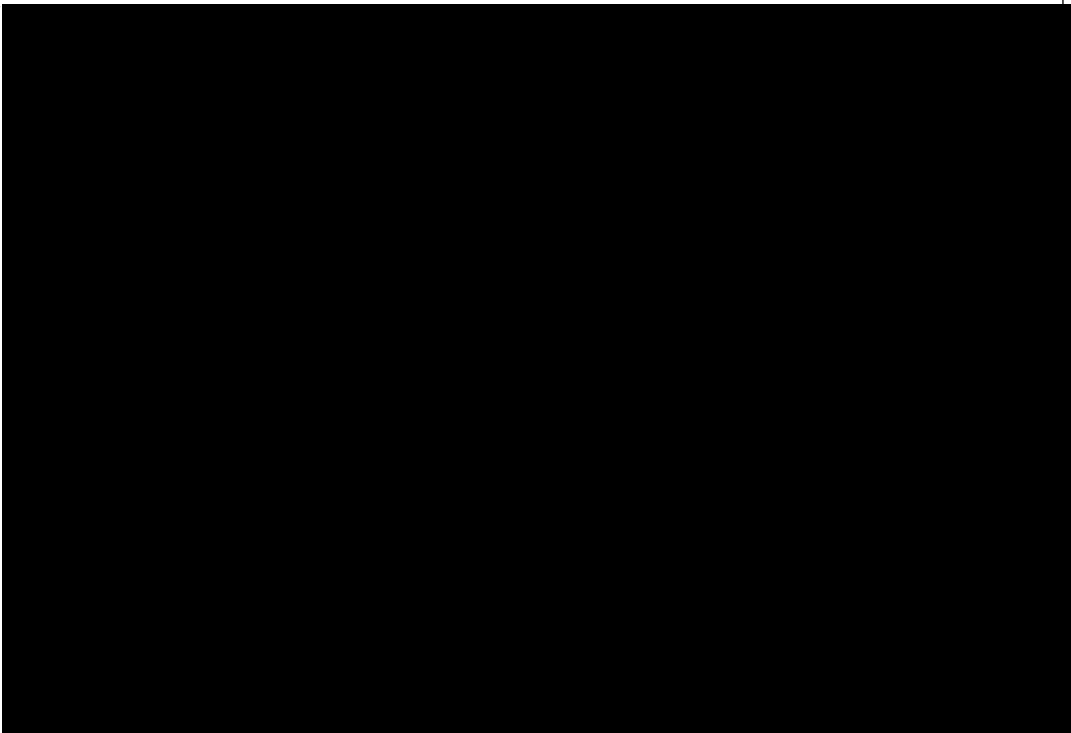


DSC\_0493.JPG

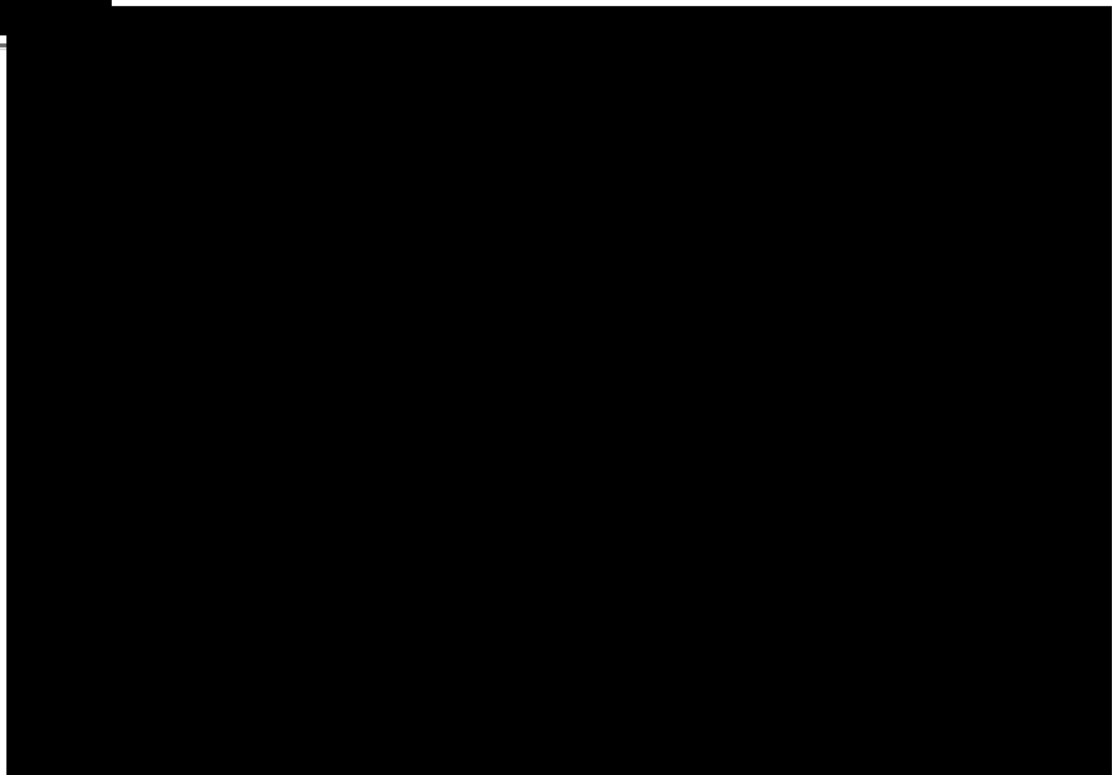


<b>Defect Code</b>	DEF_6621540-0001		
<b>Component</b>	Road Vehicle Restraint System	North Parapet	
<b>Defect Type</b>	Sp - Spalled area Loss of concrete or masonry		
<b>Extent</b>	SC - Defect present in 5% to not more than 20% of area or length of element		
<b>Severity</b>	D2 - Minor: Defect is unlikely to be causing damage to the element or structure now or unlikely to do so in the near future		
<b>Priority</b>	Low		
<b>Comments</b>	The grout beneath the parapet post base plates was found to be cracked and spalled.		
<b>Cause</b>	<b>Certainty</b>		
<b>Comment on Cause</b>			
<b>Document ID</b>	4291984	<b>Document Title</b>	STR_4272 GI Defect photos 13/02/2023
DSC_0610.JPG			

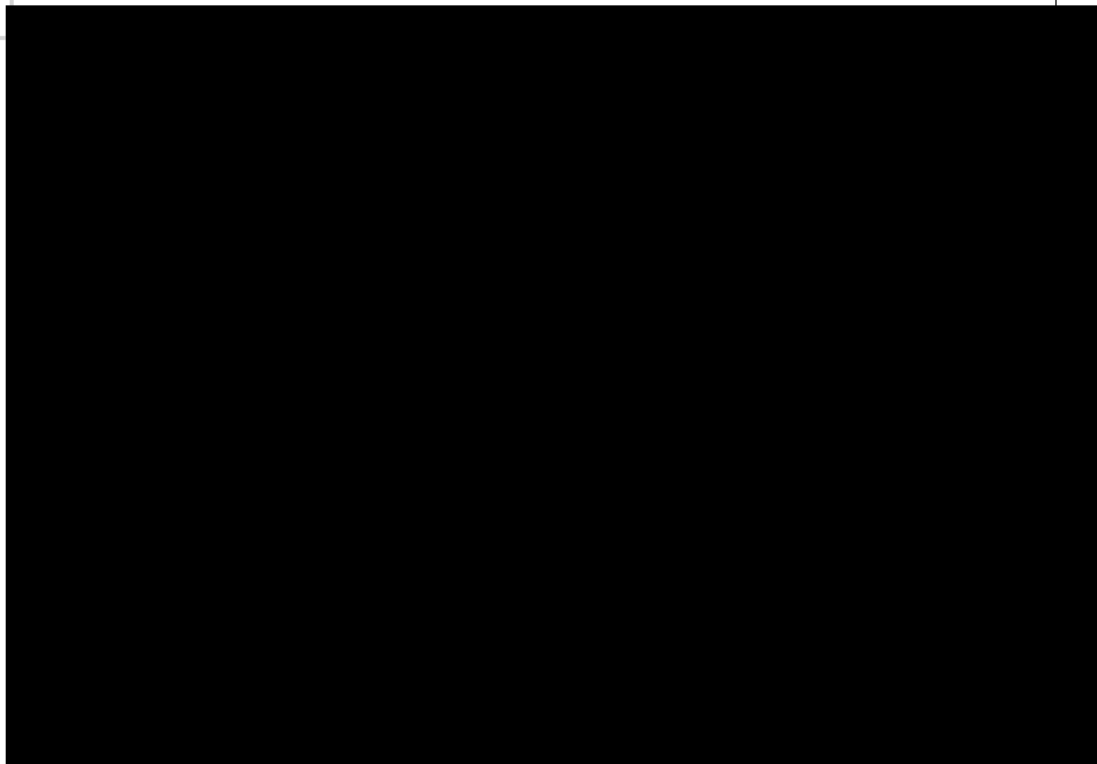
[illegible]

Cause		Certainty	
Comment on Cause			
Document ID	4291977	Document Title	STR_4272 GI Defect photos 13/02/2023
DSC_0502.JPG			

DSC\_0506.JPG



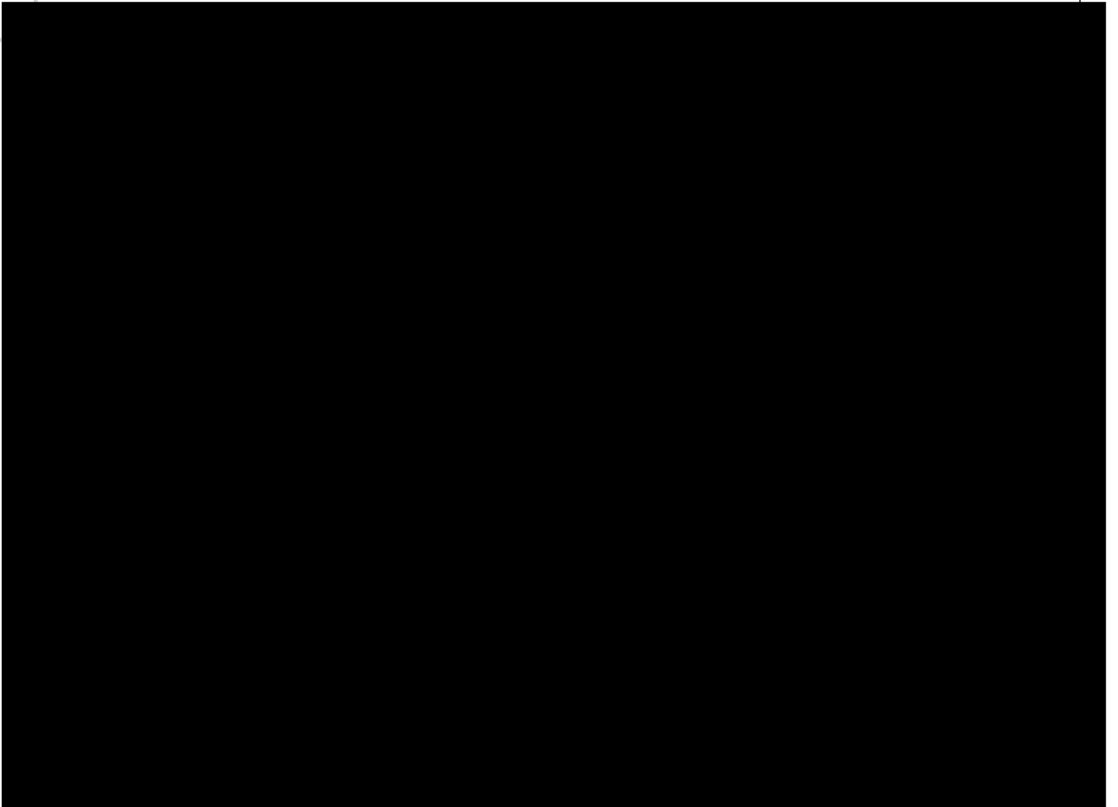
DSC\_0507.JPG



DSC\_0527.JPG



DSC\_0504.JPG



**Defect Code** DEF\_6621510-0001

**Component** Abutment Wall

Abutment Wall

Defect Type

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

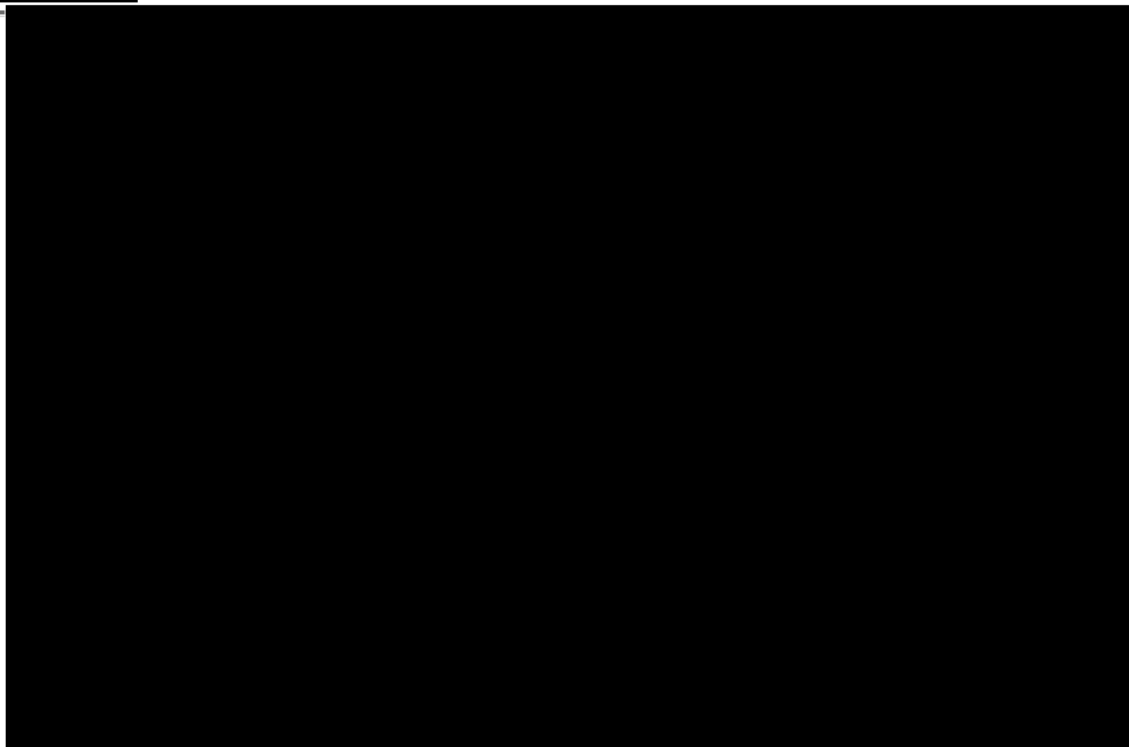
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[REDACTED]

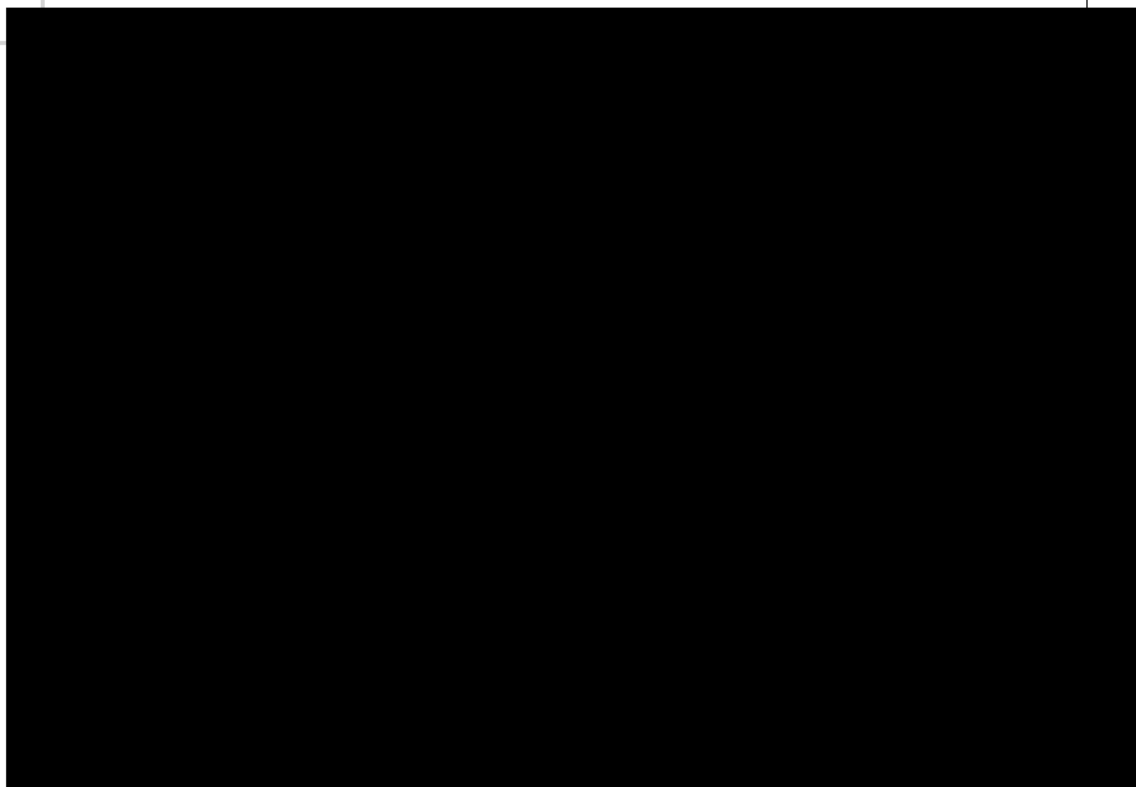
[REDACTED]

[REDACTED]

DSC\_0588.JPG



DSC\_0526.JPG





Cause	Certainty
Comment on Cause	

[illegible][illegible]

Document ID 4291969

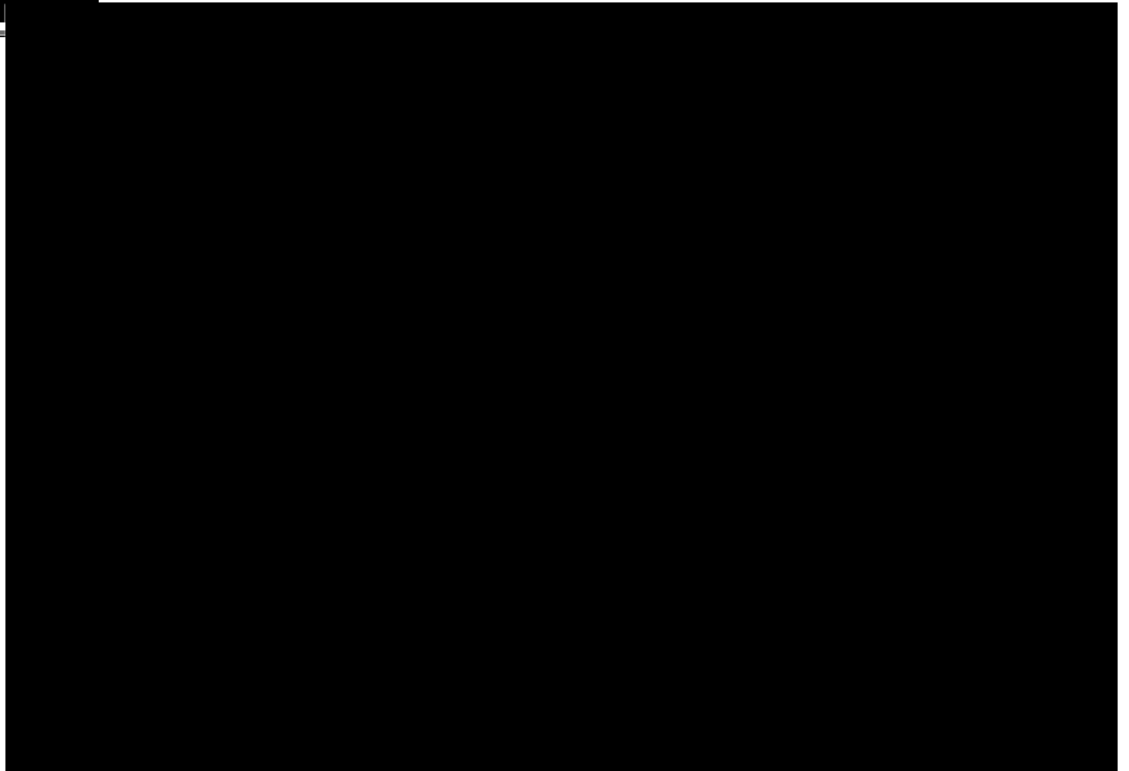
Document Title STR\_4272 GI Defect photos 13/02/2023

DSC\_0590.JPG

DSC\_0615.JPG

[illegible]

DSC\_0521.JPG

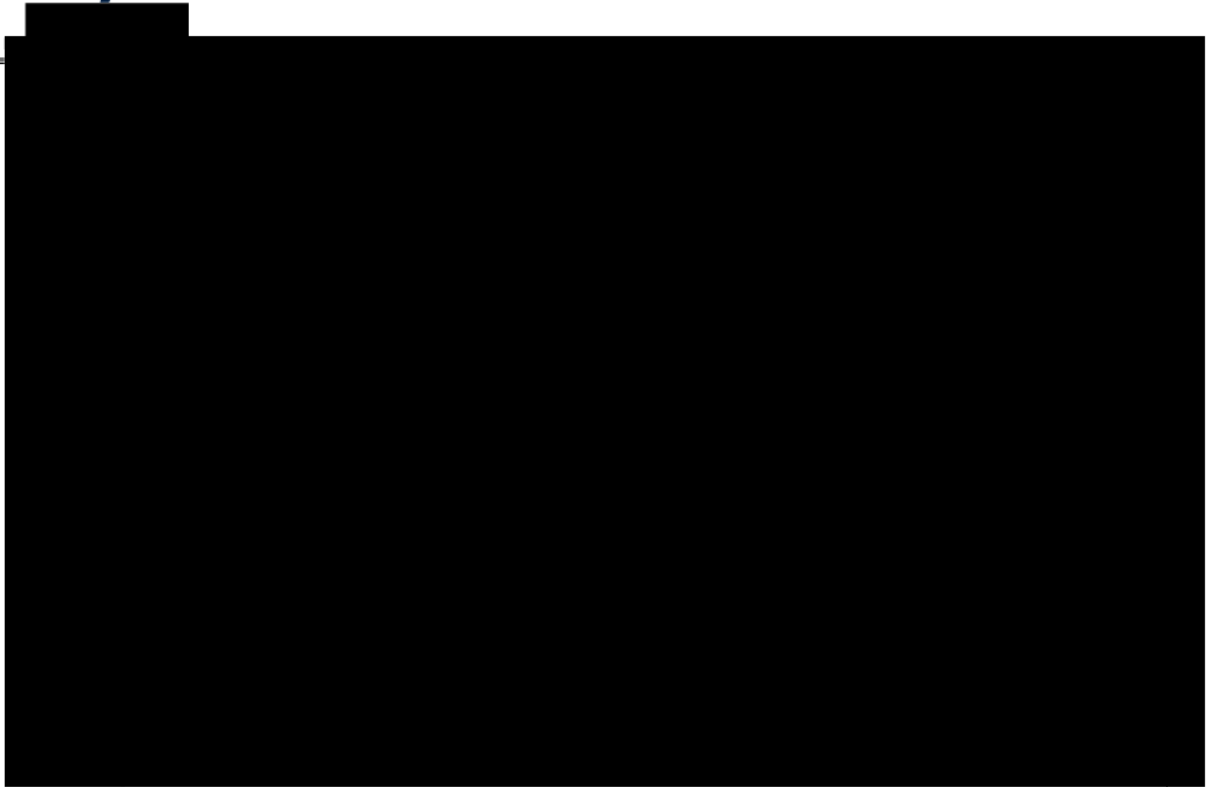


07. North-East wingwall.JPG

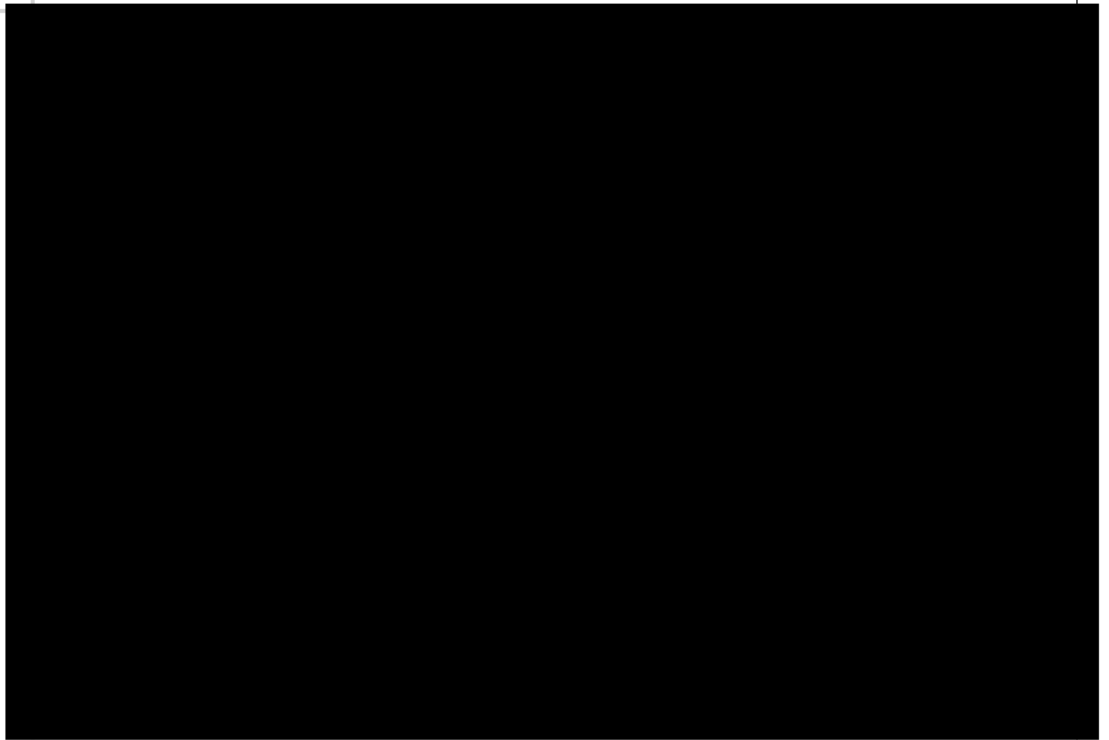


Date		Description		Amount	
10/01/2023		Initial deposit		1000.00	
10/05/2023		Withdrawal		250.00	
10/10/2023		Deposit		500.00	
10/15/2023		Withdrawal		150.00	
10/20/2023		Deposit		750.00	
10/25/2023		Withdrawal		300.00	
10/30/2023		Deposit		600.00	
11/05/2023		Withdrawal		400.00	
11/10/2023		Deposit		800.00	
11/15/2023		Withdrawal		200.00	
11/20/2023		Deposit		900.00	
11/25/2023		Withdrawal		350.00	
11/30/2023		Deposit		700.00	
12/05/2023		Withdrawal		450.00	
12/10/2023		Deposit		850.00	
12/15/2023		Withdrawal		250.00	
12/20/2023		Deposit		950.00	
12/25/2023		Withdrawal		300.00	
12/30/2023		Deposit		750.00	
01/05/2024		Withdrawal		400.00	
01/10/2024		Deposit		800.00	
01/15/2024		Withdrawal		200.00	
01/20/2024		Deposit		900.00	
01/25/2024		Withdrawal		350.00	
01/30/2024		Deposit		700.00	
02/05/2024		Withdrawal		450.00	
02/10/2024		Deposit		850.00	
02/15/2024		Withdrawal		250.00	
02/20/2024		Deposit		950.00	
02/25/2024		Withdrawal		300.00	
02/30/2024		Deposit		750.00	
03/05/2024		Withdrawal		400.00	
03/10/2024		Deposit		800.00	
03/15/2024		Withdrawal		200.00	
03/20/2024		Deposit		900.00	
03/25/2024		Withdrawal		350.00	
03/30/2024		Deposit		700.00	
04/05/2024		Withdrawal		450.00	
04/10/2024		Deposit		850.00	
04/15/2024		Withdrawal		250.00	
04/20/2024		Deposit		950.00	
04/25/2024		Withdrawal		300.00	
04/30/2024		Deposit		750.00	
05/05/2024		Withdrawal		400.00	
05/10/2024		Deposit		800.00	
05/15/2024		Withdrawal		200.00	
05/20/2024		Deposit		900.00	
05/25/2024		Withdrawal		350.00	
05/30/2024		Deposit		700.00	
06/05/2024		Withdrawal		450.00	
06/10/2024		Deposit		850.00	
06/15/2024		Withdrawal		250.00	
06/20/2024		Deposit		950.00	
06/25/2024		Withdrawal		300.00	
06/30/2024		Deposit		750.00	
07/05/2024		Withdrawal		400.00	
07/10/2024		Deposit		800.00	
07/15/2024		Withdrawal		200.00	
07/20/2024		Deposit		900.00	
07/25/2024		Withdrawal		350.00	
07/30/2024		Deposit		700.00	
08/05/2024		Withdrawal		450.00	
08/10/2024		Deposit		850.00	
08/15/2024		Withdrawal		250.00	
08/20/2024		Deposit		950.00	
08/25/2024		Withdrawal		300.00	
08/30/2024		Deposit		750.00	
09/05/2024		Withdrawal		400.00	
09/10/2024		Deposit		800.00	
09/15/2024		Withdrawal		200.00	
09/20/2024		Deposit		900.00	
09/25/2024		Withdrawal		350.00	
09/30/2024		Deposit		700.00	
10/05/2024		Withdrawal		450.00	
10/10/2024		Deposit		850.00	
10/15/2024		Withdrawal		250.00	
10/20/2024		Deposit		950.00	
10/25/2024		Withdrawal		300.00	
10/30/2024		Deposit		750.00	
11/05/2024		Withdrawal		400.00	
11/10/2024		Deposit		800.00	
11/15/2024		Withdrawal		200.00	
11/20/202					

DSC\_0575.JPG



DSC\_0576.JPG



#### 4. All Draft, Instructed and Authorized Works Orders

'N.B., The Origin of Work for each of these Work Orders is Routine Inspections (currently Principal, General, Special and Monitoring)'

Work Order Number	183956	Priority	Medium
Maintenance Object	Parapet	Maintenance Action	Replace
Estimated Cost	£30,000.00	Recommended Action Date	
Comments	Replace 6m of middle parapet rail. Replace 12m of bottom parapet rail.		











[illegible][illegible]

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## 6. Defects Addressed by Inspector on Site

## 7. Defects NOT Confirmed at this Inspection

[illegible]

Cause	Percentage
Unemployment	25%
Healthcare costs	18%
Education expenses	12%
Retirement savings	10%
Property taxes	8%
Insurance premiums	7%
Food and groceries	6%
Transportation costs	5%
Utilities (electricity, gas)	4%
Entertainment and leisure	3%
Personal care and grooming	2%
Charitable contributions	1%
Gifts and special occasions	1%
Emergency fund	1%
Debt payments	1%
Investment losses	1%
Other miscellaneous	1%



[REDACTED]

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[illegible]



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## 8. All Draft, Instructed and Authorized Works Orders from sources other than inspections

N.B. Currently these would be work orders with an Origin of Work not set to Routine Inspection, e.g, BACO Parapets or ASR

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## 9. Other Planned Inspections

Type of Inspection	Planned Start Date	Due Date	Description	Status
Structures General Inspection		10/02/2025		Not Started
Structures Principal Inspection		10/02/2027		Not Started

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10. Appendix 1

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# Structure Report

Trub STR\_4272 /M62//63.40//  
M62 63.40

'WARNING – Assume that Asbestos is present. Be familiar with the relevant Highways England Help Guide and follow your own safe working procedures.'

<b>Road</b>	M62	<b>Custodian</b>	NH_OWNED
<b>OS Grid Reference</b>	388500 / 409880	<b>Designer</b>	North Western Rcu
<b>Year Constructed</b>	1969	<b>Last Principal Inspection</b>	02/03/2021
<b>Maintaining Agent</b>	National Highways Area 10	<b>Frequency Of Principal Inspection</b>	6
<b>Geographical Area</b>	Manchester	<b>Last General Inspection</b>	13/02/2023

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]. The parapets are P1 steel double post and 3 rail and there are safety fences in the centre reserve.

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### 3.1 Completed Inspections

Inspection Type	Inspection Date	Inspection Description
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
		[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]
		[REDACTED]

Structures Special Inspection	05/09/2014	*Actual Date 147/09/2013* Date of Strike: 17/09/2013 Date of Repair: 28/09/2013 Details of the incident are held in the Trace. This has been uploaded into the "Docs Attached" section. No defect has been added as this inspection has been entered after the defect has been repaired.
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED] [REDACTED].
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
Structures Special Inspection	08/02/2011	Eastbound Carriageway  Impact damage to bottom steel parapet rail. Impact damage to rail connection.
[REDACTED] [REDACTED]	[REDACTED]	[REDACTED] [REDACTED].
Structures Special Inspection	01/04/2010	Eastbound Carriageway Impact damage to bottom steel parapet rail.
Structures Special Inspection	09/03/2010	Westbound Parapet Impact damage to lower middle galvanised steel parapet rail. Impact damage to bottom galvanised steel parapet rail. Impact damage to rail connections. Impact damage to parapet edge beam adjacent to impact area. Anchorage bolts lifted after impact.
Structures Principal Inspection	10/02/2009	The structure has significant impact damage and corrosion, to the parapets and impact damage to the stringcourse it was therefore seen to be in fair condition. Temporary barriers have been installed and impact damage is in the process of repair. [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
Structures Special Inspection	10/07/2008	Significant impact damage to the eastbound carriageway parapet was noted at time of inspection.

[illegible]

\_\_\_\_\_

No completed assessments were found for structure

Assessment Type	Assessment Date	Assessment Status	Assessment Description	
[REDACTED]				
[REDACTED]	[REDACTED]			[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]			[REDACTED]
107689	Parapet	Repair	08/04/2010	Replace 7.20m section of bottom parapet rail.



### 3.4 Additional Maintenance History

22/02/2023 Damage to Network property (DNP) repairs completed.

25/02/2023 Damage to Network property (DNP) repairs completed.

[REDACTED]		[REDACTED]	
[REDACTED]		[REDACTED]	
[REDACTED]		[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

## 5. Interim Measures

Edge Protection (TVCB)			
<b>Component</b>	Trub	<b>Expected Start Date</b>	10/03/2010 00:00:00
<b>Origin</b>	Incident	<b>Expected End Date</b>	
<b>Standard (Application)</b>		<b>Location</b>	
<b>Direction</b>	Varioguard	<b>Res. Capacity Tonnes</b>	
<b>Res. Cap. HB (with LL)</b>		<b>Res. Cap. HB (Without LL)</b>	
<b>Description</b>	Varioguard		
Edge Protection (TVCB)			
<b>Component</b>	Trub	<b>Expected Start Date</b>	01/01/2008 00:00:00
<b>Origin</b>	Incident	<b>Expected End Date</b>	
<b>Standard (Application)</b>		<b>Location</b>	
<b>Direction</b>	Installation of varioguard due to sub-standard parapets	<b>Res. Capacity Tonnes</b>	
<b>Res. Cap. HB (with LL)</b>		<b>Res. Cap. HB (Without LL)</b>	
<b>Description</b>	Installation of varioguard due to sub-standard parapets		
Edge Protection (TVCB)			
<b>Component</b>	Trub	<b>Expected Start Date</b>	01/01/2008 00:00:00
<b>Origin</b>	Incident	<b>Expected End Date</b>	09/04/2010 10:05:22
<b>Standard (Application)</b>		<b>Location</b>	
<b>Direction</b>	Installation of Varioguard whilst parapet replacement contract is prepared	<b>Res. Capacity Tonnes</b>	
<b>Res. Cap. HB (with LL)</b>		<b>Res. Cap. HB (Without LL)</b>	
<b>Description</b>	Installation of Varioguard whilst parapet replacement contract is prepared		

## 6. Departures

No Departures present

## 7. Coating System for Steelwork

No Coating System for Steelwork recorded

## 8. Coating System for Concrete

No Coating System for Concrete recorded

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]












[illegible]

Road Vehicle Restraint System	North Parapet
Date Installed	01/JAN/1969
Restraint Location	Deck Edge
Designer - Parapet	Not Known
Parapet Type	Not Applicable
Infill Type	No Infill (O)
Nominal Height	1 (1)
Road Vehicle Restraint Form	Vehicle Parapet
Parapet Modification	Not Modified
Manufacturer - VRS	Not Known
Barrier Type	Other
Containment Performance Class	Not Applicable
Parapet Group	Not Applicable
Parapet System	Not Specified
Working Width	Not Applicable
Safety Fence Approach	Y
Safety Fence Depart	Y
Protection System Effective	N
Parapet Protection Reason	Not Applicable
Containment Capacity Requirement	Not Specified
Containment Basis	Not Known
Risk Ranking	0
Priority Ranking	0
Is Parapet Protected	N

[illegible]




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Platform	18-24	25-34	35-44	45-54	55-64	65+
Facebook	85%	75%	65%	55%	45%	35%
Instagram	75%	65%	55%	45%	35%	25%
Twitter	35%	45%	55%	65%	75%	85%
LinkedIn	25%	35%	45%	55%	65%	75%
YouTube	15%	25%	35%	45%	55%	65%

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<b>Road Vehicle Restraint System</b>	<b>North Parapet delete</b>
<b>Date Installed</b>	01/JAN/1969
<b>Restraint Location</b>	Deck Edge
<b>Designer - Parapet</b>	Not Known
<b>Parapet Type</b>	Not Applicable
<b>Infill Type</b>	No Infill (O)
<b>Nominal Height</b>	1 (1)
<b>Road Vehicle Restraint Form</b>	Vehicle Parapet
<b>Parapet Modification</b>	Not Modified
<b>Manufacturer - VRS</b>	Not Known
<b>Barrier Type</b>	Other
<b>Containment Performance Class</b>	Not Applicable
<b>Parapet Group</b>	Not Applicable
<b>Parapet System</b>	Not Specified
<b>Working Width</b>	Not Applicable
<b>Safety Fence Approach</b>	N
<b>Safety Fence Depart</b>	N
<b>Protection System Effective</b>	N
<b>Parapet Protection Reason</b>	Not Applicable
<b>Containment Capacity Requirement</b>	Not Specified
<b>Containment Basis</b>	Not Known
<b>Risk Ranking</b>	0
<b>Priority Ranking</b>	0
<b>Is Parapet Protected</b>	N


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Interim Measure Physical Component	Edge Protection (TVCB)
Interim Measure Type	Edge Protection (TVCB)
Interim Measure Description	Installation of varioguard due to sub-standard parapets
Reference to IM Event	1561

Interim Measure Physical Component	Edge Protection (TVCB)
Interim Measure Type	Edge Protection (TVCB)
Interim Measure Description	Varioguard
Reference to IM Event	1560




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Category	Value
Category 1	Value 1
Category 2	Value 2
Category 3	Value 3
Category 4	Value 4
Category 5	Value 5
Category 6	Value 6
Category 7	Value 7
Category 8	Value 8
Category 9	Value 9
Category 10	Value 10

Country	Share of GDP	Share of GDP
United States	1.2%	1.2%
China	0.8%	0.8%
Germany	0.7%	0.7%
France	0.6%	0.6%
United Kingdom	0.5%	0.5%
Japan	0.4%	0.4%
India	0.3%	0.3%
Canada	0.2%	0.2%
Italy	0.2%	0.2%
Spain	0.2%	0.2%
South Korea	0.2%	0.2%
Sweden	0.2%	0.2%
Switzerland	0.2%	0.2%
Netherlands	0.2%	0.2%
Belgium	0.2%	0.2%
Australia	0.2%	0.2%
South Africa	0.2%	0.2%
Brazil	0.2%	0.2%
Argentina	0.2%	0.2%
Chile	0.2%	0.2%
Colombia	0.2%	0.2%
Venezuela	0.2%	0.2%
Russia	0.2%	0.2%
Ukraine	0.2%	0.2%
Poland	0.2%	0.2%
Czech Republic	0.2%	0.2%
Slovakia	0.2%	0.2%
Hungary	0.2%	0.2%
Romania	0.2%	0.2%
Bulgaria	0.2%	0.2%
Greece	0.2%	0.2%
Portugal	0.2%	0.2%
Ireland	0.2%	0.2%
Luxembourg	0.2%	0.2%
Malta	0.2%	0.2%
Cyprus	0.2%	0.2%
Slovenia	0.2%	0.2%
Croatia	0.2%	0.2%
Serbia	0.2%	0.2%
Bosnia and Herzegovina	0.2%	0.2%
Montenegro	0.2%	0.2%
Albania	0.2%	0.2%
Moldova	0.2%	0.2%
Ukraine	0.2%	0.2%
Belarus	0.2%	0.2%
Latvia	0.2%	0.2%
Lithuania	0.2%	0.2%
Estonia	0.2%	0.2%
Finland	0.2%	0.2%
Denmark	0.2%	0.2%
Norway	0.2%	0.2%
Sweden	0.2%	0.2%
Switzerland	0.2%	0.2%
Austria	0.2%	0.2%
Germany	0.2%	0.2%
France	0.2%	0.2%
United Kingdom	0.2%	0.2%
United States	0.2%	0.2%

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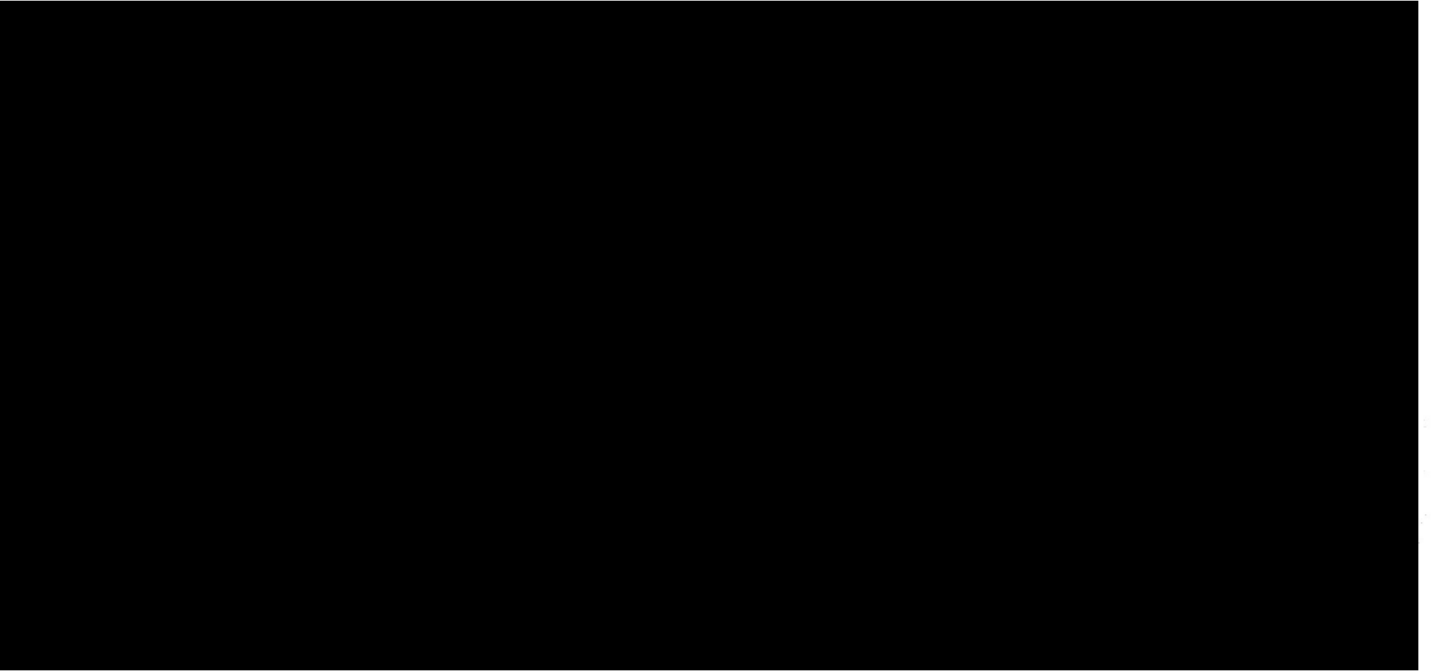
Category	Value
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Category 3	10
Category 4	5
Category 5	10
Category 6	5
Category 7	10
Category 8	10
Category 9	10
Category 10	10
Category 11	10
Category 12	10
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Category 98	10
Category 99	10
Category 100	10

## 10. General Photograph

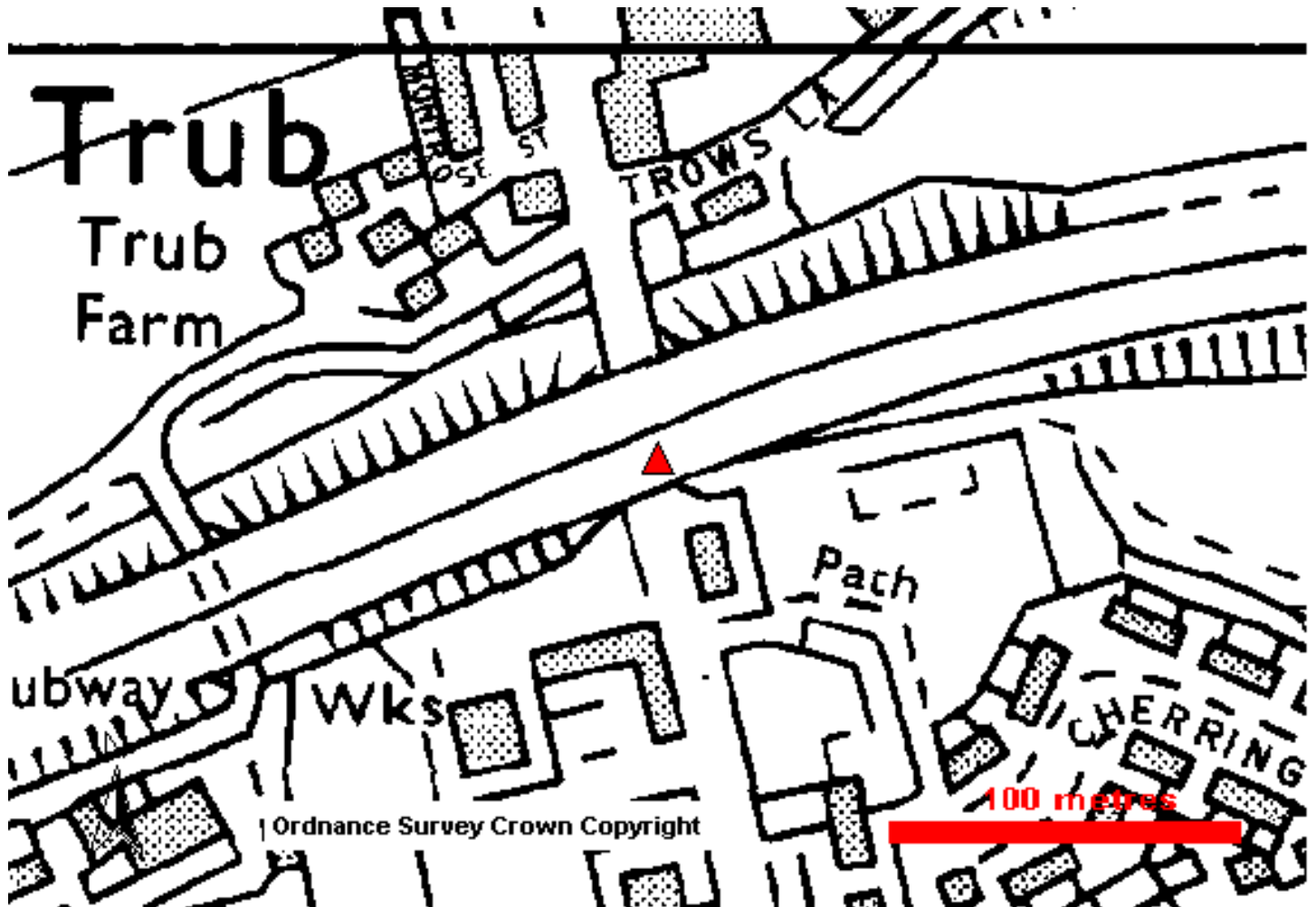


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## 11. Elevation Drawing



12. Map





### 13. 1:50,000 Map

