

6-170

Bevans Terrace Retaining Wall:
Pelenna Division

General



Easting: 279021.104469826

Northing: 194670.982747014

Inspection Type: General	Form No.: 1 of 1	Description:	
Inspector: David Griffiths	Date: 05/04/2022 11:12	Next Inspection:	
Name:	Bevans Terrace Retaining Wall (6-170)	Road Ref:	B4287 main Road, Ponrhydyfen

Map Ref:	OS:	SS79029467			Primary Str. Form:				
Width:	60	Length:	0.65		Primary Material:		B		
All Above Ground Elements Inspected:			Yes		Secondary Str. Form:				
					Secondary Material:				
Set	No	Element Description	S	Ex	Def	W	P	Cost	Comments/Remarks
Main Els.	1	Foundations	4	C	6.1		H	£0	There are large sections were it appears that there are no or very limited foundations
	2	Retaining Wall (Primary)	4	C	3.7	N	H	£250,000	The concrete dwarf wall is heavily cracked and is bulging. it has partially collapses at one location and a major dip in footpath and roadway adjacent to no 5 for a section of 10m this section requires replacing as asap as there is no support to the footpath and roadway.
Safety Elements	10	Carriageway	4	C	9.6		M	£150,000	Heavy longitudinal cracking and deformation in the road opposite no 5 where the concrete wall has partially collapsed
	12	Footway/Verge	4	C	3.7	R	H	£25,000	There is cracking to the footpath surfacing throughout the length of the wall but there is a significant deformation above the area where the wall has partially collapsed.
Other Elements	14	Concrete Posts	4	C	3.7	R	M	£50,000	These are substandard by design. 6 no of concrete posts leaning towards river these need replacing with new concrete plinth of 10m
	15	Chain link Fencing	1	A	1.2		N	£0	Good condition
S- Severity ,Ex - Extent, def - Defect. W - Work Required, P - Work Priority, Cost - Cost of work									

Structure: Bevans Terrace Retaining Wall	Structure Ref: 6-170	Form: 1 of 1
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MULTIPLE DEFECTS

Element No.	S	Ex	Defect	Comments
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INSPECTOR'S COMMENTS

No.	Comments	Comment Type		
	The wall needs to be rebuilt along with the footpath & the adjacent carriageway	Engineers Comment		
	The concrete plinth has given way causing cracking and a major dip in footpath and roadway adjacent to no 5 for a section of 10m this section requires replacing as asap as there is no support to the footpath and carriageway.	Inspectors Comment		
Name	David Griffiths	Signed	Date	05/04/2022 00:00

ENGINEER'S COMMENTS

No.	Comments			
	The wall needs to be rebuilt along with the footpath & the adjacent carriageway			
Name	Paul Ransome	Signed	Date	15/04/2022 00:00

WORK REQUIRED

Ref No.	Item No.	Work Description	Priority	Estimated Cost	Work Ordered
MA2200060	14	These are substandard by design. 6 no of concrete posts leaning towards river these need replacing with new concrete plinth of 10m	M	£50,000	
MA2200057	12	There is cracking to the footpath surfacing throughout the length of the wall but there is a significant deformation above the area where the wall has partially collapsed.	H	£25,000	
MA2200059	10	Heavy longitudinal cracking and deformation in the road opposite no 5 where the concrete wall has partially collapsed	M	£150,000	
MA2200058	2	The concrete dwarf wall is heavily cracked and is bulging. it has partially collapses at one location and a major dip in footpath and roadway adjacent to no 5 for a section of 10m this section requires replacing as asap as there is no support to the footpath and roadway.	H	£250,000	
Name		Signed		Date	

PHOTOS

Inspection Item No.	Reference	Photo	Photo Description
2	2202333		Retaining Wall (Primary)
2	2202334		Retaining Wall (Primary)
2	2202335		Retaining Wall (Primary)
2	2202336		Retaining Wall (Primary)
2	2203990		Retaining Wall (Primary)
2	2203991		Retaining Wall (Primary)
2	2203993		Retaining Wall (Primary)

Inspection Item No.	Reference	Photo	Photo Description
10	2202329		Carriageway
10	2202330		Carriageway
10	2202331		Carriageway
10	2202332		Carriageway
12	2202327		Footway/Verge
12	2202328		Footway/Verge
14	2202324		Concrete Posts

Inspection Item No.	Reference	Photo	Photo Description
14	2202325		Concrete Posts
14	2202326		Concrete Posts
15	2202323		Chain link Fencing

Photo	Photo Description	File Name
	Retaining Wall (Primary)	IMG-20210223-WA0014
	Retaining Wall (Primary)	IMG-20210223-WA0024
	Retaining Wall (Primary)	6-170-220405110757.jpg

Photo	Photo Description	File Name
	Footway/Verge	6-170-220405105810.jpg
	Concrete Posts	6-170-220405105432.jpg
	Retaining Wall (Primary)	6-170-220405110830.jpg
	Footway/Verge	6-170-220405105828.jpg
	Carriageway	6-170-220405110534.jpg
	Concrete Posts	6-170-220405105424.jpg





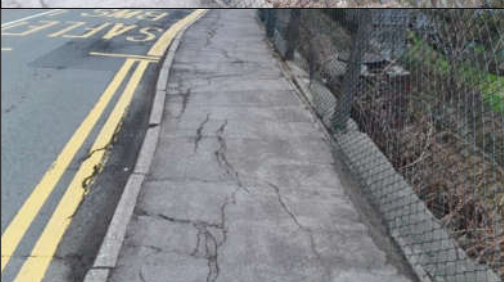



Photo	Photo Description	File Name
	Retaining Wall (Primary)	6-170-220405110807.jpg
	Carriageway	6-170-220405110543.jpg
	Retaining Wall (Primary)	6-170-220405110819.jpg
	Chain link Fencing	6-170-220405105213.jpg
	Concrete Posts	6-170-220405105445.jpg
	Retaining Wall (Primary)	IMG-20210223-WA0007

Photo	Photo Description	File Name
	Carriageway	6-170-220405110521.jpg
	Carriageway	6-170-220405110131.jpg