# Highway Maintenance Three Year Plan 2024 - 2027

Delivered by:

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#### Introduction:

The Council has a duty to maintain the highway at public expense under Section 41 of the Highways Act (1980).

The report seeks approval to make amendments to the Council's Scoring Matrix for resurfacing following on from review.

The Report proposes the scoring matrix (Appendix B) supersedes the current version.





### Why review and make amendments?

- It is important for the Highway Maintenance team to stay current in best practices and not rely on older "tried and tested methods" because "we've always done it that way".
- Consideration should always be given that a process possibly fit for purpose 10+ years ago may not be so reliable in today's modern and ever-changing world.
- The report recommends we update the existing scoring matrix following on from previous feedback that Active Travel needs to be incorporated within, even more so given the increased popularity in recent years.
- The report seeks approval to accept the Three Year Plan and adopt the new scoring matrix.



## Active Travel Statistics - Source: Senior Sustainable Transport Officer - Lisa Elliot

- ▶ In 2017 there were 73 AT routes identified as future/existing routes on the ATNM.
- ▶ The 2021 approved ATNM has 254 routes on it that measure a total of 208km.
- In Dec 2021 we had 83km of existing walking/cycling routes ie routes that meet AT guidance across the Vale.
- As of October 2024, we now have 91km of existing walking/cycling routes.



What are our neighbouring authorities doing to consider AT in carriageway assessments when using their scoring matrix?

#### Cardiff Council:



"Cardiff Council simply note AT as a Yes/No answer with no impact to the scoring total" - G Jones Section Leader Assessments

# Bridgend Council:

"If BCBC had a much larger network, it would probably be essential" - S Sherwood Highway Maintenance Engineer

Rhondda Cynon Taff:

No response



#### **Previous Matrix**

#### <u>Carriageway Resurfacing Prioritisation Scoring System</u> Data Factor | Maximum Score | Road Score Description Column Road classification A Road 30 25 B Road C Road 20 Unclassified/Rural 15 30 Scanner Survey Data Red 50 30 Amber Green 50 V1-No defects Visual Assessment 0 V2-Cracking 10 V3-Defects Present 20 V4-Multiple Defects 50 V5-Unserviceable 80 80 Engineers Assessment 0 to 80 80 80 Third Party Claims (last 3 years) 20 3 or more 30 30 10 One Vale Complaints 20 30 30 3 or more Bus routes (School Bus) 20 20 Maintenance Costs (over one year) Under £1000 £1000>£3000 40 Over £3000 80 80 TOTAL Theorecitional Maximum is 400

# Appendix B

Carriageway Resurfacing Prioritisation Scoring Matrix						
Location / Street name:		USRN:				
Assessor Name:		Date:				

Column	Description	Кеу	Data	Maximum	Assessment
ID			Factor	Score	Score
А	Road classification	A Road	30	30	
		B Road	25		
		C Road	20		
		Unclassified	15		
В	Scanner survey data	Red	50	50	
		Amber	30		
		Green	0		
С	Traffic volume count	2000>5000	10	15	
		5000>7000	12		
		7000>10000	15		
D	Visual assessment	Defects present	20		
		Multiple defects	50	80	
		Unserviceable	80		
E	Engineers assessment (Multiple answers)	Heavy cracking	15	65	
		Light crazing	10		
		Edge failure	10		
		Surface course fretting	10		
		Pedestrian use	10		
		Defects in cycling desire line	10		
F	Third party claims over 36 month period	2	0	20	
		3	10		
		4 or more	20		
G	Active Travel routes	Not on AT map	0	30	
		Proposed Route	15		
		Current Route	30		
Н	Public Transport route	No	0	20	
		Yes	20		
ı	Previous maintenance	Under £2000	0		
	costs	£2000>£4000	40	80	
	over a 12 month period	Over £4000	80	]	

# Types of Carriageway Maintenance Works:

- Carriageway resurfacing removes the existing asphalt via cold milling and completely replaces the material at various depths within the wearing and binder course layers.
- The road arisings are responsibly disposed of and much recycled back into specialist mixed asphalt for reuse.
- This process is the most disruptive as very often full road closures are required to ensure the workforce are safe, but also that longitudinal joints are kept to a minimum as these have been linked to early failures/weak points.
- ► The Highway Maintenance team always work hard to ensure the least amount of disruption to the network user as possible.



- Surface Dressing is a sustainable and environmentally responsible maintenance solution.
- The Vale of Glamorgan Council use a Cold Applied Ultra Thin Surfacing (CAUTS) solution for our surface dressing that provides fantastic value for money to preserve and extend the life of the existing wearing course.
- This product prevents water ingress, oxidisation and provides texture to the road surface.



- Micro Asphalt is another sustainable and environmentally responsible maintenance solution, however more commonly used where Surface Dressing is not suitable, for example, in populated urban areas.
- Another cold applied option that uses a two-layer process of regulating the existing surface by trimming up rutting or depressions and surface coat applied.
- Another fantastic value for money treatment method to preserve and extend the life of the existing wearing course.
- This product also prevents water ingress which is one of the biggest contributing factors to "potholes".



Any Questions?

Thank You - Nathan

