

Meeting of:	Cabinet
Date of Meeting:	Monday, 01 July 2019
Relevant Scrutiny Committee:	Environment and Regeneration
Report Title:	Highway Resurfacing 3 Year Plan 2019 to 2022
Purpose of Report:	To advise Cabinet of the Highway Maintenance 3 year Resurfacing Plan and to agree the priority locations for resurfacing works as detailed in the plan.
Report Owner:	Report of the Cabinet Member for Neighbourhood Services and Transport
Responsible Officer:	Miles Punter - Director of Environment and Housing Services
Elected Member and Officer Consultation:	Accountant Environment and Housing Services Legal Services (Committee Reports)
Policy Framework:	This report is a matter for Executive Decision by Cabinet.
<p>Executive Summary:</p> <p>The revised Highway Maintenance 3 year Resurfacing Plan 2019 – 2022 provides the foundation for delivering a well-maintained and managed highway infrastructure which is essential to sustain the Vale of Glamorgan's economic and transportation needs.</p> <p>The proposed Plan is attached at Appendix A with priority roads identified by the Council's Highway Engineers as requiring treatment. All roads listed within the Plan for resurfacing have been assessed in accordance with the 'Carriageway Resurfacing Prioritisation Scoring System' at Appendix B.</p> <p>The roads for micro-asphalt and surface dressing are preventative treatments determined by engineering assessment only and listed alphabetically in Appendix A. All works on the micro asphalt and surface dressing lists will be carried out this financial year at an estimated cost of £750k to £1M.</p> <p>The remainder of the budget will be spent on resurfacing works in line with the priority listing in the Plan. It is anticipated the budget will enable resurfacing to roads scoring a total of 270 points or above this financial year on the Plan. Those roads on that do not receive works this year will be reviewed for next year's Plan.</p> <p>The total budget available to deliver this year's programme of works identified in the Plan is £2.507M for 2019/20 compared to a budget of £2.436M to complete all resurfacing works in 2018/19. Cabinet is requested to note the contents of the Highway Maintenance 3 year Resurfacing Plan and agree the priority locations for resurfacing works.</p>	

Recommendations

1. That Cabinet notes the contents of the revised Highway Maintenance 3 year Resurfacing Plan 2019 to 2022 attached at Appendix A and agree in principle the priority locations for resurfacing works as identified.
2. That the Director of Environment and Housing Services be authorised to amend the plan, in consultation with the Cabinet Member for Neighbourhood Services and Transport if other urgent and unexpected priorities are identified.
3. That this matter is referred to the Scrutiny Committee (Environment and Regeneration) for consideration.

Reasons for Recommendations

1. To agree the plan in principle.
2. To deal efficiently with changes in the Plan should other highway routes deteriorate more rapidly than expected or constraints dictate that a change in priority is required to ensure the most cost effective use of the budget allocation in 2019/20.
3. To ensure that the relevant Scrutiny Committee can consider the details of the revised Highway Resurfacing 3 Year Plan 2019 to 2022 prior to it being formally agreed.

1. Background

- 1.1 The local highway network within the Vale of Glamorgan is a valuable asset to the community for which the Council is responsible. The way it is managed and maintained has a direct impact on residents, businesses and visitors who use it on a daily basis.
- 1.2 All users depend on a reliable service from the local highway network in order to sustain the Vale of Glamorgan's economic and transportation needs and it is therefore essential that the network is maintained in as good a condition as possible.
- 1.3 The carriageway resurfacing locations proposed in the Highway Maintenance 3 year Resurfacing Plan represent the outcome of technical scanner survey data and physical on-site condition assessments of the local highway network by experienced highway maintenance staff.

The locations on the plan have been assessed and recorded in a prioritised manner to ensure the most appropriate and effective use of the available resources in order to best maintain the Vale of Glamorgan's local highway network.

2. Key Issues for Consideration

- 2.1** The revised Highway Maintenance 3 year Resurfacing Plan 2019 to 2022 attached at Appendix A, identifies carriageways requiring treatment to prevent further surface and structural deterioration. The carriageways listed within the Plan for resurfacing have been assessed in accordance with the 'Carriageway Resurfacing Prioritisation Scoring System' which is attached at Appendix B.
- 2.2** The 'Carriageway Resurfacing Prioritisation Scoring System' identifies several criteria and data factors which enable a score to be derived and the prioritised 3 year plan for resurfacing to be established.
- 2.3** Resurfacing works are costly and this form of treatment generally relates to major and heavily trafficked routes. Roads that will receive surfacing works this financial year will be selected from the prioritised resurfacing list. Cabinet will note that the roads on the resurfacing list scoring the highest from top to bottom on the Plan will generally be completed first, however, the comments column identifies any specific constraints that need to be considered to progress works safely and adequately along specific roads.
- 2.4** In addition to proposed resurfacing works, there are lists of planned micro-asphalt and surface dressing programmes which are essential lower cost preventative treatments to halt the ongoing deterioration of the road surface to prevent premature failure and more costly resurfacing works in future. These treatments maintain and extend the life of the highway asset whilst achieving the optimum benefit from the highway maintenance Capital budget available.
- 2.5** The roads listed on the micro-asphalt and surface dressing programmes on the revised Plan are not assessed against the full criteria in Appendix B as these treatments are classed as preventative works and therefore scanner data, third party claims, One Vale complaints and maintenance cost may not necessarily apply or be meaningful in such situations.
- 2.6** The application of micro-asphalt and surface dressing is therefore determined wholly by engineering assessment and knowledge of the Vale's local highway network carried out by the Council's highway engineering professionals based on their professional expert and engineering judgement. These programmes have been listed alphabetically as the prioritisation of this work between routes is similar.
- 2.7** Delivery of the Plan is subject to the appropriate funding provided this financial year. All routes listed on the Plan would benefit from the treatments indicated, however, there is insufficient funding available to complete all the routes indicated on the Plan. As such and to maximise the benefit to the highway asset of the low cost preventative treatments, it is proposed to undertake all works on the micro asphalt and surface dressing lists this financial year. This work is

estimated to cost circa £750k subject to final costs under the specific contracts currently being retendered for this specialist work.

- 2.8** The remainder of the budget will be spent on resurfacing works in line with the priority list provided and subject to the comments made above. There is insufficient funding available to complete all the routes indicated on the resurfacing lists, however, officers will seek to maximise the number of routes completed this year using the competitive rates and prices available in the Council's current Carriageway / Pavement Renewal Contract. It is currently anticipated that the budget will enable resurfacing works to be undertaken to roads scoring a total of 270 points or above, but this will be subject to final review of actual works costs.
- 2.9** Those roads on the resurfacing list which do not receive works this year subject to budget limits or other constraints will be reviewed automatically for next year's Plan. The Highway Maintenance 3 year Resurfacing Plan is currently reviewed annually.
- 2.10** The Highway Maintenance 3 year Resurfacing Plan provides the foundation for delivering a well-maintained and managed highway infrastructure. It ensures levels of service are optimised and that the highway infrastructure asset is managed wherever practicable, in the most efficient manner to meet the expectations of all highway users.
- 2.11** To maintain reasonable progress on the improvement of the Vale's local road network and spend for this financial year's allocated highway resurfacing budget, the priority resurfacing works identified within the revised Highway Maintenance 3 year Resurfacing Plan 2019 to 2022 have already commenced and are ongoing. This work is being progressed in accordance with the delegated authority granted to the Director of Environment and Housing Services in consultation with the Cabinet Member for Neighbourhood Services and Transport to deal with urgent and expected priorities in Cabinet minute C355 dated 2nd July 2018. The roads shaded grey within Appendix A denotes all priority resurfacing works which have already been completed this financial year or are programmed to be completed up to the end of July 2019.

3. How do proposals evidence the Five Ways of Working and contribute to our Well-being Objectives?

- 3.1** The proposals in this Report will enable the Council to continue to work towards the Well-being Outcome, An Environmentally Responsible and Prosperous Wales and in particular contribute towards the Council's objective of promoting regeneration, economic growth and employment by identifying the effective use

of resources to providing and maintain good transport links for commuters and business.

- 3.2** The effective maintenance of the Council's local highway network contributes towards the prevention agenda by assisting in improving accessibility, road safety and air quality thereby preventing or reducing risk of harm to residents in the local community and providing a wider beneficial impact to the environment. It also balances short-term needs to maintain good highway infrastructure whilst contributing to the longer term policy of promoting economic growth and reducing future impact on local communities by selecting road surfacing materials which reduce noise and pollution.
- 3.3** The proposals outlined in this report evidence the Well-being of Future Generations Act and its Five Ways of Working by ensuring that through good asset management improving the condition of the local highway network, life in the Vale is improved over the longer term for residents and visitors to the area. The preventative treatments proposed as part of the Highway Maintenance 3 year Resurfacing Plan should also reduce future concerns and highway safety issues from escalating due to poor road conditions and further improve well-being of residents and local communities.
- 3.4** The criteria used to assess the priorities for highways resurfacing works considers customer complaints and claims as well as bus routes thereby contributing and delivering on the involvement agenda by addressing community and other stakeholder priorities to ensure that the Council can successfully continue to work towards the delivery of its identified Well-being Objectives.

The Well-being objectives identified above are fully compatible with the Council's corporate well-being goals and their objectives.

4. Resources and Legal Considerations

Financial

- 4.1** As a result of Welsh Government funding for highway resurfacing of £758k which was made available in late 2018/19, the Council has been able to carry forward its own capital funding into 2019/20 to supplement the funding available this year to fund highway resurfacing works. There is also additional Welsh Government funding of £749k in 2019/20 resulting in a total grant funding available for highway resurfacing works circa £1.507M.
- 4.2** The funding available from the Council's own Capital budgets to deliver this year's programme of resurfacing works amounts to £1.0M which includes an additional £400k for highways infrastructure improvements.

- 4.3** Therefore the total budget available to deliver this year's programme of works identified in the Highway Resurfacing 3 Year Plan currently amounts to a total £2.5M for 2019/20 similar to the budget available in 2018/19.
- 4.4** Currently the budget for Resurfacing works from 2020/2021 to 2023/24 is £300k per annum. Welsh Government have committed to provide a further funding in 2020 / 21 however the amount of funding is currently unknown.
- 4.5** It is estimated that to maintain the steady state of the Council's local highway network generally requires Capital funding of some £2.1M annually.

Employment

- 4.6** The list of specialist highway works that will be carried from the Highway Maintenance 3 year Resurfacing Plan 2019 to 2022 this financial year will be undertaken by external contractors appointed by competitive tender in accordance with the Council's strict Financial and Contract Procedure Rules.

The project management of these contracts and the priority highway works including resurfacing, micro-asphalt and surface dressing will be carried out in-house by existing staff within the Council's Neighbourhood Services.

Legal (Including Equalities)

- 4.7** The Council has a duty to maintain the Highway pursuant to the Highways Act 1980.
- 4.8** There are no Human Rights Implications with regard to this report.

Any signage associated with these works will comply with the requirements contained within the Councils Welsh Language Scheme.

5. Background Papers

None.

Resurfacing Treatment 2019 / 2022		start date	finish date	Classification	Scanner	condition	Engineers	Third party	Complaints	Bus Route	maintenance	Total	2019/20
1	A4055 East Brook			30	30	50	75	30	30	20	80	345	on hold gas works
2	A4231 Barry Dock, Link Road	10/06/2019		30	30	50	75	30	30	20	80	345	more work req'd
3	Cardiff Road, Dinas Powys			30	30	50	75	30	30	20	80	345	on hold gas works
4	A4222 ystradowen gulf garage	08/04/2019	24/05/2019	15	30	50	80	30	30	20	80	335	1320m2
5	Llancadle to Aberogwen Via Pancross			15	30	50	80	30	30	20	80	335	Design Ongoing
6	Port Road West Barry (Tesco)			30	50	50	75	30	30	20	40	325	on hold 5ML
7	Port Road West Barry (liscum way to Tesco)			30	50	50	80	30	30	20	40	330	on hold 5ML
8	Barry Road jct Colcot r/a (new)			30	50	50	80	20	30	20	40	320	on hold gas works
9	A48 St Nicholas (traffic lights) (new)			30	50	50	80	20	30	20	40	320	
10	Heol St Y Nyll	11/04/2019	12/04/2019	15	30	50	80	30	30	0	80	315	871.2m2
11	Cardiff Road r/a/b jct Ffordd Y Mileniwm (s. tunnel)(new)			30	30	50	80	30	30	20	40	310	1500m2
12	A4055 Barry Road, Dinas Powys (New Junction)	23/04/2019	26/04/2019	30	30	50	75	30	30	20	40	305	1900m2
13	Ruthin Road Fferm Goch to Kennels (1 Patch)	17/06/2019		25	30	50	75	30	30	20	40	300	2237.52m2
14	A48 Cowbridge by pass WestBound			30	50	50	80	20	10	20	40	300	
15	Dobbins Road , Barry	15/04/2019	18/04/2019	20	30	50	80	30	30	20	40	300	1400m2
16	Redlands Road , Penarth			25	30	50	75	30	30	20	40	300	
17	Fontygary Road, East Aberthaw (Cement Entrance)	29/04/2019	05/05/2019	25	30	50	75	30	30	20	40	300	3952.87m2
18	Fontygary Road Rhoose (patch 1) o/s school	28/07/2019		25	30	50	75	30	30	20	40	300	In summer hols
19	Coldbrook Road East, Barry	03/06/2019	05/06/2019	20	30	50	75	30	30	20	40	295	1860.42m2
20	Water Street, Broughton	24/06/2019		20	30	50	75	30	30	20	40	295	bus route
21	Eglwys brewys road, St Athan			20	30	50	75	30	30	20	40	295	bus route
22	B4267 Leckwith Road jct Penny turn pike (new)	07/05/2019	10/05/2019	30	30	50	75	20	30	20	40	295	2602.4m2
23	Pen-y-Turnpike various areas throughout			20	30	50	75	30	30	20	40	295	
24	Westbourne Road Penarth (transferred from micro)	28/05/2019	31/05/2019	15	30	50	75	30	30	20	40	290	2234.12m2
25	Glebe Street penarth (transferd from micro)	01/07/2019		15	30	50	75	30	30	20	40	290	
26	Cornerswell Road Penarth (transferred fron micro)patch 1	13/05/2019	17/05/2019	15	30	50	75	30	30	20	40	290	3520m2
27	Lane-Croesyceilog to Hensol (Community Centre)			15	30	50	75	30	30	20	40	290	link rd verge damage
28	B4265 Burton bridge jct Lancadle			25	30	50	75	20	30	20	40	290	
29	Lavernock road from jct South road to westbourne road			30	30	50	70	20	30	20	40	290	
30	Cowbridge road East Camp Entrance			20	30	50	75	20	30	20	40	285	
31	Arcot Street, Penarth (new deep plain)			20	30	50	75	20	30	20	40	285	
32	B4270 Church Road to Church Llanblethian	link road		15	30	50	75	20	30	20	40	280	
33	Swanbridge Road, Sully	20/05/2019	24/05/2019	15	30	50	75	20	30	20	40	280	3053.06m2
34	Stirling road, Barry (new)			20	30	50	70	20	30	20	40	280	
35	St Marys church to Thaw Close (on hill) (new)			20	30	50	70	20	30	20	40	280	
36	ludlow Street penarth (transferred from micro)	01/07/2019		15	30	50	80	30	30	0	40	275	
37	Ludlow Lane Penarth "	01/07/2019		15	30	50	75	30	30	0	40	270	
38	Aberthin lane Aberthin (new)			15	30	50	75	30	30	0	40	270	
39	B4524 Ogmores Road, Water Works to Tymaen Ogmores			25	30	50	75	0	30	20	40	270	
40	Windsor Road Penarth			20	30	50	75	0	30	20	40	265	
41	B4270 Church Road to Church Llanblethian			20	30	50	75	0	30	20	40	265	
42	A4050 Park Crescent Barry Shops			30	30	50	65	0	30	20	40	265	
43	Rectory Lane (The Herberts)			15	30	50	75	20	30	0	40	260	
44	Penmark Village			15	30	50	75	0	30	20	40	260	
45	Lane to Star Inn Treoes			15	30	50	75	0	30	20	40	260	
46	Marcross to Monknash			20	30	50	75	30	30	20	0	255	

47	Eastgate Cowbridge			30	30	50	70	20	30	20	0	250	
48	Gower Road, Leckwith			20	30	50	70	0	30	0	40	240	
49	Well Lane St Nicholas (new)			15	30	50	75	0	30	0	40	240	
50	West gate Cowbridge to jct Llantwit Major road			20	30	50	70	20	30	20	0	240	
51	Salmon wood Graig Penllyn (new)			15	30	50	65	0	20	20	40	240	
52	Chapel lane Peterston super ely (new)			15	30	50	70	0	30	0	40	235	
53	Groesfaen Road (new)			15	30	50	70	20	30	20	0	235	
54	Dock Street Cogan			15	30	50	70	0	30	0	40	235	
55	Cog Road, from jct, south Road to Swanbridge road			20	30	50	50	0	20	20	40	230	
56	Hayes Road, R/A/B Barry (new)			20	30	20	75	0	20	20	40	225	
57	Higher End St Athan (overlay)			15	30	50	70	0	20	0	40	225	
58	St Andrews Road			25	30	50	70	0	30	20	0	225	
59	Llanquian Road Aberthin (transferred from micro)			15	30	50	70	0	20	0	40	225	
60	Road to St Mary Hill			15	30	50	75	0	30	20	0	220	
61	Langarn to Treoes			15	30	50	75	0	30	20	0	220	
62	St Lythans Road (Dyffryn Village)			15	30	50	75	0	30	20	0	220	
63	Victoria Road, Penarth (school end)			20	30	50	70	0	30	20	0	220	
64	East Street Llantwit Major			20	30	50	70	0	30	20	0	220	
65	Vere Street, Barry (top end)			20	30	20	60	0	30	20	40	220	
66	Drope Lane, St Georges			15	30	60	65	0	30	20	0	220	In village
67	Flanders Road Llantwit Major (transferred from micro)			15	30	50	60	0	20	0	40	215	
68	Broadway jct windmill lane to Castle hill			20	30	50	75	0	20	20	0	215	
69	Castle Street Llantwit Major "			15	30	50	60	0	20	0	40	215	
70	Llanmaes Village from Pensarn to jct			20	30	50	65	0	30	20	0	215	
71	Llysworney to cross Inn via Crossways			15	30	50	70	0	30	20	0	215	
72	Llanmaes Village toward Millands Caravan Park			15	30	50	70	0	30	20	0	215	
73	Watery Lane Welsh St Donats			20	30	50	65	0	30	20	0	215	
74	Rectory Cross to Llandow Village			15	30	50	65	0	30	20	0	210	
75	Brewers Well Lane, Llantrithyd			15	30	20	75	0	30	0	40	210	
76	Dimlands Road, Marcross			20	30	20	60	0	20	20	40	210	
77	Pen-onn Farm, Llanancarfan *			15	30	20	50	0	30	20	40	205	
78	Rock Road, St Athan			15	30	50	60	0	30	20	0	205	School nearby
79	Pontsarn to jct Clawdd Coch			15	30	50	75	0	30	0	0	200	
80	Woodland Lane, Leckwith			15	30	50	65	0	30	0	0	190	
81	Ewenny Road (up hill from shop)			25	30	20	60	20	20	20	0	195	
82	South Road Sully			30	30	20	65	0	30	20	0	195	
83	Llandough Hill, Llandough			15	30	50	50	0	30	20	0	195	
84	Moorshead farm to Penyrheol Terrace			15	30	50	65	0	30	0	0	190	
85	Cwrt yr Ala Road Wenvoe			15	30	50	65	0	30	0	0	190	
86	Machen Street ,Penarth (transferred from micro)			15	30	50	70	0	20	0	0	185	
87	Pontypridd Road Barry			20	30	20	65	0	30	20	0	185	
88	Ewenny Road from jct Wick road to B4265			20	30	20	65	0	30	20	0	185	
89	Wick Road Ewenny (from village stores up hill)			15	30	50	75	0	10	0	0	180	
90	Lane-jct Ewenny road to North lodge Wick			15	30	50	65	0	20	0	0	180	
91	Ivy Street, Penarth (transferred from micro)			15	30	50	65	0	20	0	0	180	
92	Maine Road Ogmere			25	30	20	60	0	20	20	0	175	
93	Twmpath lane Colwinston (Grange to village boundary sign)			20	30	20	50	0	30	20	0	170	
94	Sandy lane to highgrove Ystradowen			15	30	20	65	0	30	0	0	160	
95	Entrance to Badgers Brook Estate Ystradowen			15	30	20	65	0	30	0	0	160	
96	Walston Road (back lane) Wenvoe (Tarrws lane)			15	30	20	65	0	30	0	0	160	

06/06/2019

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Micro Asphalt Treatment - 2019 / 2022

Abbey Road
Amroth Court
Blackbird Road
Bullfinch Road
Cardigan Close
Carmathen Road
Castle Drive
Cedar Way
Celtic Way
Churchfields
Cogan pill road
Crosshill
Curlew Crescent
Denbigh Way
Dros y Mor
Dunraven Close
Eagle Road
Edith Road
Elm Grove Lane
Elm Grove Road
Frampton Road
Gaspard Place
Graig Yr Eos Avenue
Graig Yr Eos Road
Grandon Close
Hazell Road
Heol-y-Cawl
Hunter Street
Jenner Road
Kent Green
King fisher Square
Laburnum Close
Llantwit Road (west camp entrance)
Llantwit Street
Llantwit Street
Magpie Road
Meliden Lane
Murch Crescent
Orchard Crescent
Owain Court
Partridge Road
Port Road East Service Road
Radnor Green
Rook Close
Southesk Place
St Augustines Crescent
St Augustines Road
St Johns View

Starling Road
Station Road
Stirling Road
Sully View
The Glades
The Paddocks
The Square
Trem y Coed
Wagtail Road
Wesley Avenue
Westra
Willow Close
Wren Road
Yr Efail

Surface Dressing - 2019 / 2022

St brides major to pant quarry

B4265 Wick Road to wards St Brides Major

A4226 Airport r/a/b to Penmark Junction

A48 towards Cowbridge

B4265 St Athan to Higher End Junction

Carriageway Resurfacing Prioritisation Scoring System

Column	Description	Key	Data Factor	Maximum Score
A	Road classification	A Road	30	
		B Road	25	
		C Road	20	
		Unclassified/Rural	15	30
B	Scanner Survey Data	Red	50	
		Yellow	30	
		Green	0	50
C	Visual Assessment	V1 – No defects	0	
		V2 – Cracking	10	
		V3 – Defects present	20	
		V4 – Multiple Defects	50	
		V5- Unserviceable	80	80
D	Engineers Assessment	0 to 80	80	80
E	Third Party Claims (last 3 years)	1	0	
		2	20	
		3 or more	30	30
F	ONE VALE complaints	1	10	
		2	20	
		3 or more	30	30
G	Bus routes		20	20
H	Maintenance Costs (over one year)	Under £1000	0	
		£1000>£3000	40	
		Over £3000	80	80

Theorectional Maximum is 400