

REGENERATION, COMMUNITY AND CULTURE OVERVIEW AND SCRUTINY COMMITTEE

27 AUGUST 2009

MEMBER'S ITEM: ROAD RESURFACING SCHEME

Report from: Robin Cooper, Director of Regeneration, Community and Culture

Author: Phil Moore, Head of Highways

Summary

This report details the method by which road resurfacing schemes are identified, prioritised and implemented. It also lists the resurfacing schemes that are currently programmed for construction.

1. Budget and Policy Framework

1.1 Under Medway's Constitution, Overview and Scrutiny rules (Chapter 4, Part 5, Paragraph 9.1) Councillor Goodwin has asked that an item on this issue is included on the agenda for this meeting.

1.2 These road resurfacing schemes will help improve National Indicators NI 168 Principal Road and NI 169 Non Principal Road Condition.

2. Member's Item request

2.1 Councillor Godwin has requested information on the allocation of resources and prioritisation criteria.

3 Background

3.1 During each year there are numerous requests from Councillors, members of the public, Highway Inspectors and other staff for the resurfacing of roads. These requests are received by email, letter, telephone and through the customer service systems of Confirm and Eshop. Each of the requests is considered at the end of the year and a visit made to each site by an experienced highways engineer.

3.2 This engineer's visit is used to carry out an objective assessment of the road condition and usage. It takes into account all visual defects such as cracking, crazing and rutting together with those defects previously recorded by the road-surveying consultant. These consultant engineers, Jacobs, undertake prescriptive road condition surveys for the council each year, as required by Government to determine

National Indicators (NI's) and justify the council's Local Transport Plan (LTP) bid for highway maintenance funding.

- 3.3 At this time any other locations, which had 'missed the cut' in previous years are also considered, as well as those which are shown, by the consultants, to be in urgent need of repair. Each of these sites is then given a priority assessment and a complete list of roads needing resurfacing is drawn up. Cost estimates are then prepared for each scheme.
- 3.4 Works Programme
 - 3.4.1 Once the budget level has been agreed a decision is made at which level to draw the bar thus determining which roads and pavements ultimately receive attention each year.
 - 3.4.2 These would then form the basis for the next planned resurfacing works programme up to the value of the allocated budget. The draft programme is then passed to the Director for approval in liaison with the Portfolio Holder for Frontline Services.
 - 3.4.3 When the programme of resurfacing works is approved the schemes are then procured either through the Highways Term Contract with Volker Highways (formerly called Fitzpatrick) or through the competitive tendering procedure.
 - 3.4.4 The agreed programme for road resurfacing for 2009/10 and 2010/11 is contained in this report and is based on the current available funding. Further schemes are shown as programmed for 2011/12 and some of these may be brought forward in the programme if savings are made or additional funding provided.
 - 3.4.5 Although accurate records are not readily available that far back, it is thought that the majority of roads on the programme have not been resurfaced for over twenty years. Exceptions would be some of the concrete roads previously overlaid with microsurface over twelve years ago such as Bligh Way and Arethusa Road. Another case would be Hasted Road (Wainscott Northern Bypass) which was only completed in 1998 but is very heavily trafficked.

4. Options

- 4.1 At the beginning of each financial year an objective prioritisation of all substandard carriageways is undertaken and a decision made as to the best and most economic solution for remediation of the surface. By far the most common surfacing techniques used by the Council are Microsurfacing or plane and resurface using 40 or 50 mm of hot-rolled asphalt or thin wearing course.
- 4.2 Microsurfacing is a thick asphaltic slurry applied as a screed over existing carriageway surfaces. The thickness of the slurry allows for a certain amount of regulation to take out minor irregularities in the carriageway surface.

- 4.3 Microsurfacing is more economical than plane and resurfacing schemes but in the short-term does not leave such a good quality surface finish and has a shorter life span.
- 4.4 The Council has been using Microsurfacing technology for over 10 years. It has gradually replaced the old surface dressing (tar spray and chip), which was not user or customer friendly and resulted in numerous claims to the Council for vehicle damage.
- 4.5 The use of Microsurfacing demonstrates best value in the surfacing schemes that are chosen to make full use of the available budget limits. There is no real replacement for Microsurfacing and preventing the use of this material further would severely limit the options available and reduce the number of carriageways that could be resurfaced in future years.

5. Risk Management

Risk	Description	Action to avoid or mitigate risk
Low	That the contractor goes into receivership before the works are complete.	<p>Payment for works is always 4-6 weeks in arrears.</p> <p>A Performance Bond is included in our contracts</p>

6. Financial and legal implications

- 6.1 The budget for the resurfacing of roads this year comes from three funding streams: -
- Medway Council capital budget.
 - Local Transport Plan – financed by the Government Office South East.
 - Prudential Borrowing

6.2 Medway Council Capital Budget

The 2009/2010 budget allocation for carriageway resurfacing is £160,000.

6.3 Local Transport Plan (LTP)

- 6.3.1 The Council is currently in the second phase of LTP spending which runs for five years from the financial year 2006/07 up to 2010/11. The allocation received for Highway Capital Maintenance has been based on a bid submitted to Government mainly for the resurfacing of major roads however part of this allocation is used for minor road resurfacing. The 2009/2010 budget allocation for carriageway resurfacing is £1,097,000.

6.4 Prudential Borrowing

6.4.1 In order to increase capital investment in the maintenance of roads and pavements the Council has entered into a prudential borrowing agreement for the capital sum of £4 million. This £4 million will be spent over two financial years. Year one is 2009-10 and year two will be 2010-11. The major part of this money will be spent on the roads programme as detailed further in this report with the remainder helping to finance the pavement resurfacing works. The 2009/2010 budget allocation for the carriageway element is £1,500,000

6.4.2 This loan will be paid back over a ten-year period, with an annual payment of £500,000. This repayment has been identified from the existing Highways revenue budget and a revised budget has been set to accommodate the £500,000 repayment.

6.5 Resurfacing Programme

6.5.1 The lists for road schemes attached have been split to show the sites that can be completed using just the LTP funding from Government together with Medway revenue funding and the additional sites to be funded through prudential borrowing.

6.5.2 It is intended that the resurfacing schemes funded through prudential borrowing will be procured through the competitive tendering procedure.

6.5.3 The budget for the three funding streams dictates how many of the prioritised resurfacing schemes can be implemented. Spend and commitment against these budgets is monitored monthly to ensure they are not overspent.

6.5.4 The Highways Term Contract through Volker Highways is used to procure the annual roads resurfacing programme financed by the Council's revenue budget and the LTP settlement. When additional capital funding is received, such as through Prudential Borrowing, then a selective tendering process is used for procuring the works and contractors are appointed in accordance with the Council's Contract Rules and procurement process and (where applicable) EU procurement rules. An appointed contractor would need to enter into a formal contract with the Council.

7 Recommendations

7.1 Members consider this report and endorse the Director of Regeneration Community and Culture's processes in procuring and implementing carriageway resurfacing schemes.

Lead officer contact

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Background papers

Babtie road condition surveys
Medway Highways road condition assessments

APPENDIX

List of roads for resurfacing for financial years 2009/10 and 2010/11

Road Resurfacing Schemes - Year 1 (2009/10)

No.	Ward	Road	Process	Financial Year	Funding
1	Peninsula	A228 Four Elms Hill (Chattenden Lane to Old George Court)	Conventional Surfacing	2009-10	LTP
2	Gillingham South / Watling / Twydall	Woodlands Road (A2 to School)	Microsurfacing	2009-10	LTP
3	Strood South	Bligh Way	Conventional Surfacing	2009-10	LTP
4	Rainham North	Access road at rear of nos. 1-21 Bedson Walk	Conventional Surfacing	2009-10	LTP
5	Rochester South and Horsted	Dale Street	Conventional Surfacing	2009-10	LTP
6	Cuxton and Halling	High Street Halling	Conventional Surfacing	2009-10	LTP
7	Strood Rural	Cooling Common	Microsurfacing	2009-10	LTP
8	Gillingham North	King Street (High Street to Jeffery Street)	Conventional Surfacing	2009-10	LTP
9	Luton/Wayfield, Lordswood, Capstone & Princes Park	Capstone Road (j/w North Dane Way)	Conventional Surfacing and High Friction Surfacing	2009-10	LTP
10	Rainham North	Bedson Walk (Rear of nos. 23 to 35)	Conventional Surfacing	2009-10	LTP
11	Rainham North + Rainham South	Solomon Road	Conventional Surfacing	2009-10	LTP
12	Rainham North	Henry Street	Microsurfacing	2009-10	LTP
13	Strood Rural	Berwick Way (anti-skid uphill direction)	High Friction Surfacing	2009-10	LTP
14	Strood South	Merrals Wood Road	Microsurfacing	2009-10	LTP
15	Twydall	Eastcourt Lane	Microsurfacing	2009-10	LTP
16	Peninsula	Access Road to side of Noreland Cottage off Ratcliffe Highway	Microsurfacing	2009-10	LTP
17	Rochester South and Horsted	Old Pattens Lane (Boundary Rd to Blenheim Ave)	Conventional Surfacing	2009-10	LTP
18	Rochester South and Horsted	Arethusa Road	Conventional Surfacing	2009-10	LTP
19	Rochester South and Horsted	Warren Wood Road (The Tideway to Orion Road)	Microsurfacing	2009-10	LTP
20	Peninsula	Everest Drive	Conventional Surfacing	2009-10	LTP
21	Walderslade	Dargets Road (Lordswood Lane to top of hill)	Conventional Surfacing	2009-10	LTP
22	Rainham South	Deanwood Drive (Wywill Close to Nares Road)	Conventional Surfacing	2009-10	LTP
23	Hempstead and Wigmore	Hempstead Valley Drive (Hempstead Rd to Cedar Gr)	Conventional Surfacing	2009-10	Capital
24	Gillingham North	Dial Road	Conventional Surfacing	2009-10	Capital
25	Chatham Central	Railway Street	Conventional Surfacing	2009-10	Prudential
26	Rochester West	Esplanade (Castle Hill to Bakers Walk)	Conventional Surfacing	2009-10	Prudential
27	Princes Park	Brendon Avenue	Conventional Surfacing	2009-10	Prudential
28	Strood North	Wykeham Street	Conventional Surfacing	2009-10	Prudential
29	Strood Rural	Cooling Street (Cooling Common to Cooling Road)	Microsurfacing	2009-10	Prudential
30	Hempstead and Wigmore	Lamsfrith Grove	Microsurfacing	2009-10	Prudential
31	Hempstead and Wigmore	The Everglades	Microsurfacing	2009-10	Prudential
32	Peninsula	Vidgeon Avenue	Microsurfacing	2009-10	Prudential
33	Rainham North	Farnham Close (rear access road Nos. 65 to 76)	Conventional Surfacing	2009-10	Prudential
34	Rainham North	Farnham Close (rear access road Nos. 22 to 29)	Conventional Surfacing	2009-10	Prudential
35	Rainham South	Mierscourt Road (Harvesters Close to Dolphin Drive)	Conventional Surfacing	2009-10	Prudential

36	Princes Park	Kingfisher Drive	Microsurfacing	2009-10	Prudential
37	Gillingham South	Chaucer Road	Microsurfacing	2009-10	Prudential
38	Rochester South and Horsted	Vale Drive (Greenway to West Drive)	Microsurfacing	2009-10	Prudential
39	Rainham North	Wakeley Road (Station Road to Scott Avenue)	Conventional Surfacing	2009-10	Prudential
40	Rainham North	Smarden Walk rear of nos.1-8	Conventional Surfacing	2009-10	Prudential
41	Watling	Watling Avenue	Microsurfacing	2009-10	Prudential
42	Rochester South and Horsted	Huntsman Close	Microsurfacing	2009-10	Prudential
43	Peninsula	A228 Main Road (Jet Station to pelican crossing - both lanes) (south bound)	Conventional Surfacing	2009-10	Prudential
44	Strood North	King Arthur Drive	Microsurfacing	2009-10	Prudential
45	Rochester West	Manor Lane	Conventional Surfacing	2009-10	Prudential
46	Walderslade	Dargets Road (Princes Avenue to top of hill)	Conventional Surfacing	2009-10	Prudential
47	Luton & Wayfield	Roosevelt Avenue	Conventional Surfacing	2009-10	Prudential

Road Resurfacing Schemes - Year 2 (2010/11)

No.	Ward	Road	Process	Financial Year	Funding
1	Rochester West	Nashenden Lane	Conventional Surfacing	2010-11	LTP
2	Gillingham South & Watling	Sturdee Avenue (Barnsole Road to Woodlands Road)	Conventional Surfacing	2010-11	LTP
3	Watling	Allison Avenue	Conventional Surfacing	2010-11	LTP
4	Strood Rural & Peninsula	Cooling Road (Castle to Cliffe)	Microsurfacing	2010-11	LTP
5	Peninsula	Wybournes Lane	Microsurfacing	2010-11	LTP
6	Rainham South	Walsingham Close	Microsurfacing	2010-11	LTP
7	Rochester East	Howard Avenue	Conventional Surfacing	2010-11	LTP
8	Lordswood & Capstone	Renown Road	Conventional Surfacing	2010-11	LTP
9	Lordswood & Capstone	Cygnat Road	Conventional Surfacing	2010-11	LTP
10	Strood Rural	Rolvenden Road	Microsurfacing	2010-11	LTP
11	Gillingham South	Gordon Road	Microsurfacing	2010-11	LTP
12	Gillingham North	Hazlemere Drive (No. 45 to Grange Road)	Conventional Surfacing	2010-11	LTP
13	Rainham Central & Rainham South	Lonsdale Drive	Concrete slab stabilisation	2010-11	LTP
14	Chatham Central	Ordnance Street	Conventional Surfacing	2010-11	LTP
15	Hempstead and Wigmore	Wigmore Road (Fairview Av to southern roundabout)	Conventional Surfacing	2010-11	LTP
16	Rochester South and Horsted	Thorndale Close	Microsurfacing	2010-11	Capital
17	Peninsula	Malmayne Hall Road	Conventional Surfacing	2010-11	Prudential
18	Strood Rural	Frindsbury Hill / Road	Conventional Surfacing	2010-11	Prudential
19	Strood Rural	Kitchener Road (Weston Road to Hone Street)	Microsurfacing	2010-11	Prudential
20	Princes Park	Princes Avenue (Dove Close to North Dane Way)	Conventional Surfacing	2010-11	Prudential
21	Strood South	Cedar Road	Conventional Surfacing	2010-11	Prudential
22	Strood South	Commercial Road (Randells Garage to Alma Place)	Conventional Surfacing	2010-11	Prudential
23	Walderslade	Oakhurst Close	Microsurfacing	2010-11	Prudential
24	Strood South	Maple Road	Microsurfacing	2010-11	Prudential
25	Strood North	Watermill Close	Microsurfacing	2010-11	Prudential
26	River	King Street	Conventional Surfacing	2010-11	Prudential
27	River	Queen Street	Conventional Surfacing	2010-11	Prudential
28	Rainham South	Mierscourt Road (Dolphin Drive to Meresborough Road)	Conventional Surfacing	2010-11	Prudential
29	Watling	A2 Watling Street (j/o Star Mill Lane)	Conventional Surfacing	2010-11	Prudential

30	Strood Rural	Church Close	Microsurfacing	2010-11	Prudential
31	Watling	Glanville Road	Conventional Surfacing	2010-11	Prudential
32	Peninsula	Bells Lane	Conventional Surfacing	2010-11	Prudential
33	Luton & Wayfield	Luton Road (part)	Conventional Surfacing	2010-11	Prudential
34	Cuxton & Halling	Bush Road (Charles Drive to Boundary)	Microsurfacing	2010-11	Prudential
35	Cuxton & Halling	The Street	Microsurfacing	2010-11	Prudential
36	Rochester South & Horsted	Pattens Lane (part)	Conventional Surfacing	2010-11	Prudential
37	Gillingham North	Plantation Road	Microsurfacing	2010-11	Prudential

Road resurfacing schemes identified for works in 2011/12 or earlier if funds become available					
1	Strood Rural	A289 Hasted Road (from A228 to Higham Road bridge, London Bound)	Conventional Surfacing	2011-12	Funds to be Identified
2	Strood Rural	A289 Hasted Road (from Higham Road bridge to A228, Gillingham bound)	Conventional Surfacing	2011-12	Funds to be Identified
3	Rainham South	Mierscourt Road (Lonsdale Drive to Harvesters Close)	Conventional Surfacing	2011-12	Funds to be Identified
4	Luton & Wayfield	Street End Road (Mill Lane to Wayfield Road)	Conventional Surfacing	2011-12	Funds to be Identified
5	Luton & Wayfield	Russell Court (junction to garages)	Conventional Surfacing	2011-12	Funds to be Identified
6	Strood Rural	Cardens Road	Conventional Surfacing	2011-12	Funds to be Identified
7	Peninsula	Robson Drive	Conventional Surfacing	2011-12	Funds to be Identified
8	Lordswood & Capstone and Princes Park	Lordswood Lane (Swift Crescent to roundabout)	Conventional Surfacing	2011-12	Funds to be Identified
9	Luton & Wayfield	Luton Road (part)	Conventional Surfacing	2011-12	Funds to be Identified
10	Strood Rural	Upnor Road	Microsurfacing	2011-12	Funds to be Identified
11	Walderslade	Walderslade Road	Conventional Surfacing	2011-12	Funds to be Identified
12	Rochester South & Horsted	Pattens Lane (part)	Conventional Surfacing	2011-12	Funds to be Identified
13	Peninsula	Ratcliffe Highway Fenn Corner to Biffa Waste	Microsurfacing	2011-12	Funds to be Identified
14	Gillingham North	Plantation Road	Microsurfacing	2011-12	Funds to be Identified