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**NOTICE** 

OF

**MEETING** 



# HIGHWAYS, TRANSPORT AND ENVIRONMENT OVERVIEW AND SCRUTINY PANEL

will meet on

WEDNESDAY, 25TH NOVEMBER, 2015

At 6.30 pm

in the

**COUNCIL CHAMBER - TOWN HALL,** 

TO: MEMBERS OF THE HIGHWAYS, TRANSPORT AND ENVIRONMENT OVERVIEW AND SCRUTINY PANEL

COUNCILLORS JESSE GREY (CHAIRMAN), HARI SHARMA (VICE-CHAIRMAN), MALCOLM BEER, MARIUS GILMORE, MAUREEN HUNT, PAUL LION AND NICOLA PRYER

<u>SUBSTITUTE MEMBERS</u> COUNCILLORS DAVID EVANS, DAVID HILTON, WESLEY RICHARDS, DEREK SHARP, JOHN STORY AND LYNDA YONG

Karen Shepherd - Democratic Services Manager - Issued: Date Not Specified

Members of the Press and Public are welcome to attend Part I of this meeting. The agenda is available on the Council's web site at <a href="https://www.rbwm.gov.uk">www.rbwm.gov.uk</a> or contact the Panel Administrator **Wendy Binmore** 01628 796 251

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### <u>AGENDA</u>

### <u>PART I</u>

<u>IIEM</u>	SUBJECT SUBJECT	PAGE NO
1.	APOLOGIES	
	To receive any apologies for absence.	
2.	DECLARATIONS OF INTEREST	5 - 6
	To receive any Declarations of Interest.	
3.	<u>MINUTES</u>	7 - 8
	To confirm the Part I Minutes of the previous meeting.	
4.	FLOODING MONITORING.	9 - 20
	To receive the above report.	
5.	HIGHWAYS ASSET MANAGEMENT PLAN	21 - 140
	To receive the above report.	
6.	COUNCIL STRATEGIC PLAN 2016-2020	To
	To receive the above report	Follow
7.	CHOBHAM ROAD, SUNNINGDALE - PETITION TO REDUCE WEIGHT LIMIT	141 - 150
	To receive the above report.	
8.	HEATHFIELD AVENUE, SUNNINGDALE: REVIEW OF HIGHWAY CONDITIONS (MILGATE HOMES)	Verbal Report
	To receive the above report.	
9.	NIGHT TIME ECONOMY ENFORCEMENT PILOT REVIEW	151 - 162
	To receive the above report.	
10.	LOCAL GOVERNMENT ACT 1972 - EXCLUSION OF THE PUBLIC	
	To consider passing the following resolution:- "That under Section 100(A)(4) of the Local Government Act 1972, the public be excluded from the remainder of the meeting whilst discussion takes place on item 10 on the grounds that it involves the likely disclosure of exempt information as defined in Paragraph 1 and 4 of part I of Schedule 12A of the Act".	

### **PRIVATE MEETING - PART II**

<u>ITEM</u>	SUBJECT	PAGE NO
11.	STRATEGIC LEADERSHIP CHANGES	163 - 192
	To receive the above presentation.	
	(Not for publication by virtue of Paragraph 1, 4 of Part 1 of Schedule 12A of the Local Government Act 1972)	



### **MEMBERS' GUIDANCE NOTE**

### **DECLARING INTERESTS IN MEETINGS**

### **DISCLOSABLE PECUNIARY INTERESTS (DPIs)**

### DPIs include:

- Any employment, office, trade, profession or vocation carried on for profit or gain.
- Any payment or provision of any other financial benefit made in respect of any expenses occurred in carrying out member duties or election expenses.
- Any contract under which goods and services are to be provided/works to be executed which has not been fully discharged.
- Any beneficial interest in land within the area of the relevant authority.
- Any license to occupy land in the area of the relevant authority for a month or longer.
- Any tenancy where the landlord is the relevant authority, and the tenant is a body in which the relevant person has a beneficial interest.
- Any beneficial interest in securities of a body where
  - a) that body has a piece of business or land in the area of the relevant authority, and
  - b) either (i) the total nominal value of the securities exceeds £25,000 or one hundredth of the total issued share capital of that body  $\underline{or}$  (ii) the total nominal value of the shares of any one class belonging to the relevant person exceeds one hundredth of the total issued share capital of that class.

### PREJUDICIAL INTERESTS

This is an interest which a reasonable fair minded and informed member of the public would reasonably believe is so significant that it harms or impairs your ability to judge the public interest. That is, your decision making is influenced by your interest that you are not able to impartially consider only relevant issues.

### **DECLARING INTERESTS**

If you have not disclosed your interest in the register, you **must make** the declaration of interest at the beginning of the meeting, or as soon as you are aware that you have a DPI or Prejudicial Interest. If you have already disclosed the interest in your Register of Interests you are still required to disclose this in the meeting if it relates to the matter being discussed. A member with a DPI or Prejudicial Interest **may make representations at the start of the item but must not take part in discussion or vote at a meeting.** The term 'discussion' has been taken to mean a discussion by the members of the committee or other body determining the issue. You should notify Democratic Services before the meeting of your intention to speak. In order to avoid any accusations of taking part in the discussion or vote, you must move to the public area, having made your representations.

If you have any queries then you should obtain advice from the Legal or Democratic Services Officer before participating in the meeting.

If the interest declared has not been entered on to your Register of Interests, you must notify the Monitoring Officer in writing within the next 28 days following the meeting.



Agenda Item 3

HIGHWAYS, TRANSPORT AND ENVIRONMENT OVERVIEW & SCRUTINY PANEL - 14.09.15

### To listen to an audio recording of the Part I section of this meeting, go to:

http://www.rbwm.gov.uk/web/%20meetings\_audio\_recordings\_september2015.htm

### HIGHWAYS, TRANSPORT AND ENVIRONMENT OVERVIEW AND SCRUTINY PANEL

### **14 SEPTEMBER 2015**

PRESENT: Councillors: Hari Sharma (Vice-Chairman), Maureen Hunt, Paul Lion and Nicola Pryer

Officers: Wendy Binmore, Mark Lampard and Ben Smith.

#### PART I

### 11/15 APOLOGIES FOR ABSENCE

Apologies for absence were received from Councillors Malcolm Beer, Marius Gilmore and Jesse Grey.

### 12/15 DECLARATIONS OF INTEREST

**Clir Sharma –** Declared an interest as he worked for First Group as a professional driver and concessionary buss fares were mentioned in the report.

### 13/15 <u>MINUTES</u>

RESOLVED UNANIMOUSLY: That the minutes of the meeting of the Panel held on 20 July 2015 be approved

### 14/15 BUDGET SAVINGS 2016-17

The Finance Partner - Operations and the Head of Highways & Transport introduced the report to Members and confirmed it was to be discussed at Cabinet on 24 September 2015 after it had been discussed at overview and scrutiny panels. Members were invited to comment on the paper; the comments included:

- ➤ Cllr Sharma had concerns regarding the removal of concessionary passes. He said £40k was a small saving to make on a service that affected a large proportion of elderly residents. It would mean elderly or disabled residents not being able to make early morning hospital appointments. It would also mean the bus that arrives after 9.30am would be very busy as more people would wait to travel at off peak times.
- More publicity was required for elderly people being able to use vouchers for travel. They help fill in a gap between services so residents can get around. This needs to be advertised more widely to make people aware of it.
- Cllr Hunt was worried that to save money in Operations, redundancies would have to made. She wanted assurances that jobs would be saved where possible.

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Cllr Hunt said she had a problem with buses in Knowl Hill on the A4 as their route was very long and scenic through Oldfield, Bray and Bracknell Forest. It was a very long journey for anyone trying to get back to Knowl Hill. She had asked the bus officer to look into it and find out how many school children used the bus service. The bus travelled its current route to enable school children to get to and from school.

The Finance Partner - Operations confirmed that he would feedback the comment regarding concessionary bus fares to Adult Services as that element was within their budget. He confirmed he would feedback information to Members.

The Finance Partner - Operations confirmed that a paper on streetlighting savings was approved by Cabinet in August 2015, and it mostly related to utility savings – the replacing of all lanterns with LED lights as they use signficantly less electricity. The electricity and maintenance revenue budget on streetlighting is approximately £600,000, so by replacing the lanterns with LED bulbs would achieve a large saving.

Regarding line 21 and 22 of the report under the heading Operations, The Head of Highways & Transport confirmed that instead of taking historic budget spend, the team had looked at what was required and then worked out budget savings available.

The Head of Highways & Transport confirmed that he was projecting an increase in income from the New Roads and Street Works Act from 2016/17 because utility companies would pay for permits for the roads they needed to use; therefore, renting the space on the road up front. If they over-ran, the borough could impose penalties. The approach had been researched in other boroughs, and had proved successful.

With regards to line 11 of the Operations section, the Finance Partner Operations confirmed the procurement of a new residual waste disposal contract had been a significant exercise. The savings planned arise from a lower disposal rate per tonne using 'Energy from Waste' (EfW) instead of putting it into landfill, as in the current contract. The new contract would start in November 2015.

In response to comments regarding the restructuring of Operations, the Head of Highways & Transport confirmed that redundancies could be one of the ways of reducing costs. But it could equally be done by not filling vacancies. If teams were more efficient and due to technological improvements, it may not be necessary to refill vacancies. He could not confirm there would be no redundancies. The Finance Partner -Operations commented that Simon Fletcher, Strategic Director of Operations had been direct in saying that the council faced certain budget constraints, and savings were essential. The Head of Highways & Transport stated that in Operations, there was the expectation that the department would meet savings targets and Councillor Rayner was keen to keep enough staff to effectively deliver services.

### 15/15 MEETING

The meeting, which began at 6.30pm, ended at 7.40pm.
Chairman
Date

Report for: ACTION



Contains Confidential	NO - Part I
or Exempt Information	
Title	Flood Risk Management: Monitoring Report
Responsible Officer(s)	Simon Fletcher - Strategic Director of Operations
Contact officer, job title	Ben Smith - Head of Highways & Transport
and phone number	(01628) 796147
Member reporting	Councillor Rayner, Lead Member for Highways &
	Transport
For Consideration By	Cabinet
Date to be Considered	26 November 2015
Implementation Date if	Not Applicable
Not Called In	
Affected Wards	All
Keywords/Index	Flooding; risk; management; Environment Agency

### **Report Summary**

1. Flood risk management is a key priority for the Royal Borough of Windsor and Maidenhead with a strong focus on scheme delivery

This is combined with partnership working with Parish Councils, Environment Agency and the emergency service to reduce the dangers of flood risk.

"...Ensure flood schemes and maintenance are delivered on time to better protect homes and highways..." is a commitment within the Council's manifesto.

This focus is reflected by Cabinet receiving a report on a 6-monthly basis which provides an update on flood risk management activity.

This report offers the next update in this series focussing on performance and the River Thames Scheme.

- 2. This report recommends that:
  - the positive progress in delivering the manifesto commitment be noted
  - a 'River Thames Scheme' Member / officer project team be established to support, develop and maximise benefits to residents, business and visitors.
- 3. This recommendation is being made as it reflects the Royal Boroughs

commitment to reducing the risk and impact of flooding.

Additionally a strong performance management focus has been adopted to deliver outcomes for residents, business and visitors helping to ensure that in the times of flood we are well placed to help our residents and work in partnership with other agency to reduce the impact of flooding.

- 4. The approved budget for 2015/16 includes a financial commitment of approximately £475k (revenue and capital).
- 5. Additional points to note are that the Environment Agency and Thames Water are primary stakeholders in managing flooding and the associated impacts. Strong relationships are in place enabling collaborative working to support residents, business and visitors.
- 6. Headlines from this period:
  - Scheme delivery: we are on track to meet, or exceed, agreed outcomes by the 31 March 2016.
  - A Sustainable Urban Drainage (SUDs) service has been established as a formal consultee on major planning applications.
  - Members and officers have been working with partners to develop and deliver the 'River Thames Scheme'.
  - Cabinet approval of a 3-year investment programme in flood prevention and highway drainage schemes.

If recommendations are adopted, how will residents benefit?				
Benefits to residents and reasons why they will	Dates by which they can			
benefit	expect to notice a difference			
1. Maintaining the focus and approach outlined in	November 2015 and			
this report seeks to deliver reduced levels of flooding	ongoing			
and increased protection for residents				
2. Residents will benefit from an improved response	Commenced Summer 2014			
to future flood events as good practice is embedded;				
lessons are learnt and improvements are identified				
for future events				

### 1. Details of Recommendations

### **RECOMMENDED: That:**

- (i) the positive progress in delivering the manifesto commitment ('...Ensure flood schemes and maintenance are delivered on time to better protect homes and highways...') be noted.
- (ii) a 'River Thames Scheme' Member / officer project team be established to support, develop and maximise benefits to residents, business and visitors.

This will help to ensure that in the times of flood we are well placed to help our residents and work in partnership with other agency to reduce the impact of flooding.

### 2. Reason for Decision and Options Considered

2.1 Flood risk management is a key priority for the Royal Borough of Windsor and Maidenhead with a strong focus on scheme delivery.

This is reinforced in the Council's manifesto with a commitment to '...Ensure flood schemes and maintenance are delivered on time to better protect homes and highways...'

2.2 This commitment is reflected by Cabinet receiving a report on flood risk management activity on a 6-monthly basis.

In times of flooding the reporting period is significantly increased.

- 2.3 This report offers the next update in this series of reports focusing on:
  - performance for the first 6-months of the current financial year
  - River Thames Scheme

### 2.4 Performance Headlines

 Scheme delivery: we are on track to meet, or exceed, agreed outcomes by 31 March 2016. A full breakdown of the status of each scheme is available in Appendix A.

The performance target of 85-89% was achieved in 2014/15 – outturn 88%

### Summary table

Year	Total Schemes	Scheme Status				Performance Target: 85–89% by 31 <sup>st</sup> March	
		Complete	On Site	Start date agreed	Design Phase	Not Started	
2014-15	49*	43 (88%)	1 (2%)	4 (8%)	1 (2%)	0	Target Met
2015-16	15	2 (13%)	2 (13%)	4 (27%)	6 (40%)	1 (7%)	On Target

<sup>\*</sup> Scheme numbers include projects carried forward from previous years

 A Sustainable Urban Drainage (SUDs) service has been established as a formal consultee on major planning applications.

In the period April to November 2015, comments have been provided on 48 applications. We are on track to achieve the performance target of 85-89% of responses provided on time.

 On 28 May 2015, Cabinet approved a £300k capital investment programme for flooding and highway drainage schemes.

Additionally, Cabinet approved indicative programmes on 30 July 2015 for a further 2 years. A 3-year commitment is now in place enabling longer-term planning; transparency and confidence to residents and opportunities to increase the pace of delivery.

- We have successfully recruited to a long-standing vacancy for a flood risk engineer. This appointment increases capacity, resilience and underpins the strong focus on scheme delivery.
- The Borough Flood Group (which includes representatives from the Environment Agency; Thames Water; Parish Councils and community groups) meets on a quarterly basis with the most recent meeting on 5 October 2015.
- 2.5 *'River Thames Scheme'* (refer to Appendix B for background information)

The River Thames Scheme is a large programme that will reduce flood risk to all communities between Datchet and Teddington, including Datchet, Wraysbury, Egham, Staines, Chertsey, Shepperton, Weybridge, Sunbury, Molesey, Thames Ditton, Kingston and Teddington.

The scheme consists of:

- major engineering work to construct a new flood channel between 30 to 60 metres wide and 17 kilometres long, built in three sections:
  - Section 1: Datchet to Hythe End flood channel
  - Section 2: Egham Hythe to Chertsey flood channel
  - Section 3: Shepperton flood channel
- improving the flow capacity of three existing weirs on the River Thames
- installing property level products for up to 1,200 homes to make them more resistant to flooding
- improving multi-agency flood incident response
- creating over 40 hectares of wildlife habitat
- working with communities to raise flood awareness and support them in flood preparedness, response and recovery

The following organisations are working together to develop the scheme: Environment Agency (Lead Authority); Royal Borough of Kingston upon Thames; Elmbridge Borough Council; London Borough of Richmond upon Thames; Runnymede Borough Council; Royal Borough of Windsor and Maidenhead; Spelthorne Borough Council Surrey County Council

This project is complex and challenging to develop and deliver and impacts upon a number of disciplines across the Royal Borough, including planning; finance; leisure and economic development.

In addition to the direct flood related benefits the project will seek to identify opportunities which support economic and social objectives.

In order to ensure that the we are fully engaged; sighted on issues and represented to secure and maximise benefits for residents, business and visitors it is recommended that a Member / officer project team be established.

- 2.6 In summary, the following is recommended to Cabinet:
  - (i) the positive progress in delivering the manifesto commitment ('...Ensure flood schemes and maintenance are delivered on time to better protect homes and highways...') be noted.

(ii) a 'River Thames Scheme' Member / officer project team be established to support, develop and maximise benefits to residents, business and visitors.

It is proposed that the River Thames project team, be chaired by the Lead M Member for Highways and Transport with the Lead Member for Planning being the Vice Chairman. Members of the group will include the Chairs of Wraysbury, Horton, Datchet Parish Council and senior Environment Agency representation.

This recommendation is being made as it reflects the Royal Boroughs commitment to reducing the risk and impact of flooding.

Additionally a strong performance management focus has been adopted to deliver outcomes for residents, business and visitors helping to ensure that in the times of flood we are well placed to help our residents and work in partnership with other agency to reduce the impact of flooding.

- 2.7 The focus for the next period will be based on:
  - continued local scheme delivery.
  - implementation of prioritised actions arising from the Horton and Wraysbury Drain assessment and the area studies in Fifield/ Oakley Green and White Waltham/Waltham St Lawrence.
  - partnership support for the River Thames Scheme ensuring that quality; programme and financial targets are achieved.
  - influencing and ensuring that partner agencies (primarily the Environment Agency and Thames Water) develop and deliver commitments which benefit Royal Borough residents, business and visitors.
  - partnership working with Parish Councils and community groups to ensure that plans are develop and adopted in preparedness for future flood events

Option	Comments
The governance model and	This approach will enable priorities to be
performance management approach	identified; resources to be allocated and
be maintained and positive progress	progress to be monitored effectively
be noted	preparing the Royal Borough for further
	flooding in advance of delivery of the River
	Thames flood alleviation scheme.
	This option is recommended.
Consider an alternative approach to	Alternative models / working practice could
flood risk management	be developed to deliver reduced flood risk
	and protection for residents.
Withdraw partnership support for the	This is not recommended as reduced flood
River Thames Scheme	risk and increased protection for residents
	will not be achieved until an alternative
	proposal is developed and implemented

### 3. Key Implications

CABINET BRIEF		T		<b>.</b>	
Defined Outcomes	Unmet	Met	Exceeded	Significantly Exceeded	Date they should be delivered by
Investment of the approved capital and revenue budgets to deliver benefits for residents, business and visitors	< 85%	85 – 89%	90 – 95%	>95%	31 March 2016
Delivery of approved flood related schemes to deliver benefits for residents, business and visitors	< 85%	85 – 89%	90 – 95%	>95%	31 March 2016
Creation of a Sustainable Urban Drainage process which responds to major planning applications within the statutory timescale	< 85%	85 – 89%	90 – 95%	>95%	31 March 2016

### 4. Financial Details

### 4.1 Revenue Funding

Approved revenue budget 2015/16 for flood management is as follows:

	Budget
Flood Management (PS25) / Land Drainage (PS30)	£118k

### 4.2 Capital Funding

Approved capital budget 2015/16 includes the following capital schemes:

	Budget
Highway Drainage (CD18,CD19)	£150k
Flood Prevention (CD43)	£150k
River Thames Scheme (CD54)	£285k
Total	£585k

Cabinet (30 July 2015) agreed to accelerate the flood / drainage scheme in Shepherds Lane, Hurley to enable delivery in Winter 2015/16. Funding of £55k was advanced accordingly.

### 5. Legal Implications

- 5.1 The Royal Borough has the following statutory duties:
  - Adopt and publish a Local Flood Risk Management Strategy (Section 9, Flood and Water Management Act 2010 (Complete)
  - Develop a Register of Structures and Features with a significant effect on flooding (Section 21, Flood and Water Management Act 2010) (In progress)
  - Adopt a consenting policy relating to S.23 of the Land Drainage Act 1991 (Complete)
  - Provide comment on the drainage implications of major planning applications
- 5.2 The Council is charged with a legal duty to maintain highways maintainable at the public expense within the Borough under section 41 of the Highways Act 1980. The duty extends to the proper drainage of the highway.

### 6. Value for Money

6.1 Schemes will be investigated to identify cost-effective solutions which will be prioritised and delivered in a manner which delivers the best value for money.

### 7. Sustainability Impact Appraisal

7.1 The sustainability impacts will be embedded within each scheme, policy or strategy adopted.

### 8. Risk Management

8.1 The Corporate Risk Register includes a risk entitled 'Impact of Flooding'.

The risk of failing to satisfactorily mitigate the impact of flooding is one of the key risks contained in the Operations Directorate key risk register. The risk is therefore reviewed quarterly by the Operations Directorate DMT (last review 29<sup>th</sup> October 2015) and the Lead Member briefed on the content.

The uncontrolled risk – arising if all our mitigations fail - is assessed as high with likely extreme impacts for the council in terms of service delivery and finance with associated major reputational damage.

In the light of the current progress with the mitigation measures, the current risk rating is medium which means the risk is unlikely to occur, but if it does, major service and financial impacts are expected. This risk rating is as low as it could be in terms of the practical mitigations undertaken and the prevailing appetite for this risk.

### 9. Links to Strategic Objectives

### **Our Strategic Objectives are:**

#### **Residents First**

- Improve the Environment, Economy and Transport
- Work for safer and stronger communities

### **Delivering Together**

Strengthen Partnerships

### **Equipping Ourselves for the Future**

Developing our systems and structures

### **10. Equalities, Human Rights and Community Cohesion** None

### 11. Staffing/Workforce and Accommodation implications:

11. Resource implications with respect to capacity and capability are regularly reviewed and adjusted to ensure that performance targets are achieved.

### 12. Property and Assets

12.1 Drainage assets form part of the overall highway asset and are incorporated within the Highways Asset Management Plan.

### 13. Any other implications:

None.

### 14. Consultation

- 14.1 This report will be considered by members of the Highways, Transport and Environment Overview and Scrutiny Panel on 25 November 2015 with comments reported to Cabinet for consideration.
- 14.2 With respect to the River Thames Scheme, the project team are working closely with communities to help them plan and prepare for flood events and engaging with them directly in the longer-term development of the scheme. A "Berkshire Design Working Group" has been established which is showing signs of positive support in terms of consultation and engagement.

### 15. Timetable for Implementation

Stages	Timescale		
Delivery of schemes and area studies	In line with each individual commission.		
	Overall delivery of approved capital programme schemes by 31 March 2016		

### 16. Background Information

- 16.1 Appendix A offers a performance update with respect to flood risk activity. The following offers detailed examples of activity in the last reporting period,
  - Prides Crossing and Sainsbury Pumping Stations refurbished
  - New modular storage / soakaway system installed to improve highway drainage at Blackmoor Lane, Maidenhead

- Installation of trash screen grill on the watercourse upstream of Francis Chichester Close (Oliver Road), Sunninghill
- Installation of trash screen grill on the Battle Bourne, Datchet Road, Old Windsor
- Upgrade of telemetry system at Tinkers Lane
- Ditch clearance works
- Grant funding (match-funded by residents) provided to support residents with flood repairs in private road (including Wraysbury, Windsor, Datchet, Fifield, Sunninghill and Cookham Dean) – all schemes complete
- Clearance works commenced on the Horton and Wraysbury Drains in September, ongoing until December 2015
- · Highway drainage improvements at Straight Road Old Windsor
- Appointment of a flood risk engineer to increase capacity and resilience
- Ongoing flood risk input into major planning applications
- · Cabinet approval of 3-year programme
- Continuing multi-agency engagement through the Eton Wick Flood Forum
- Borough Flood Group meetings
- Engagement with Parish Councils on flood resilience plans (including the recommendation to create a River Thames project team to help reduce the risk and impact of flooding)

### 17. Consultation (Mandatory)

Name of	Post held and	Date	Date	See comments
consultee	Department	sent	received	in paragraph:
Internal				
Cllr Rayner	Lead Member for Highways & Transport	23.10.15	30.10.15	Comments throughout the report
Cllr David Burbage	Leader of the Council	30.10.15	03.11.15	Report approved
Michael Llewelyn	Cabinet Policy Office	23.10.15	26.10.15	Summary of performance targets included / minor amendments to text
Gareth Rees	Shared Legal Solutions	23.10.15	30.10.15	Approved with no further comment
Dave Perkins	Neighbourhood and Streetscene Services	23.10.15	26.10.15	Report approved
Craig Miller	Community Protection and Enforcement	23.10.15	Comments awaited	
Mark Lampard	Finance Partner	23.10.15	30.10.15	Financial Implications updated to include commitment to River Thames Scheme
Sue Fox	Strategic Assets	23.10.15	23.10.15	Appendix A updated
Simon Lavin	Strategic Assets	23.10.15	27.10.15	Updates to scheme details and SUDs
Steve Mappley	Insurance and Risk	23.10.15	29.10.15	Paragraph 8.1

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### **Report History**

Decision type:	Urgency item?
	No

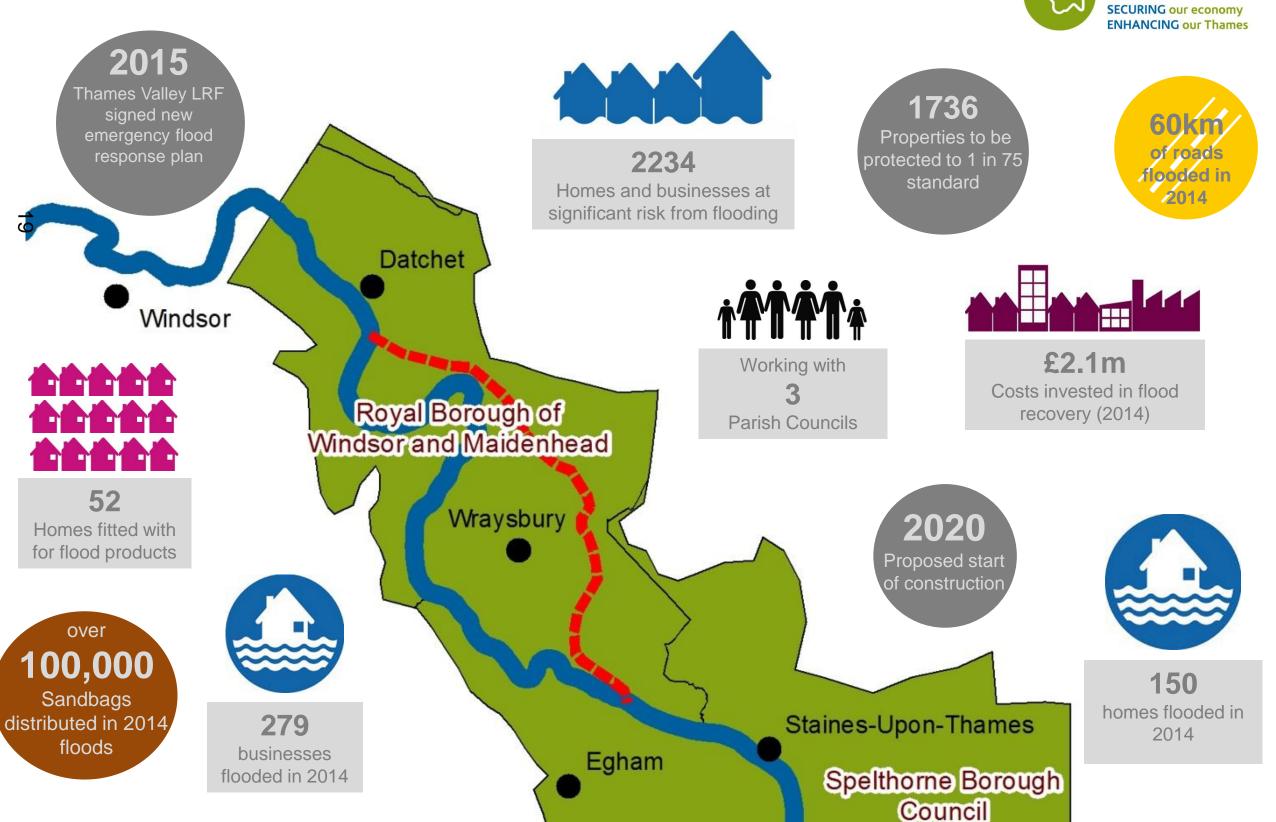
Full name of report author	Job title	Full contact no:
Ben Smith	Head of Highways & Transport	01628 796147

### River Thames Scheme (Datchet to Teddington)

November 2015

### Key Facts for Royal Borough of Windsor and Maidenhead









Report for:		
Information		



Contains Confidential or Exempt Information	No – Part I
Title	Highway Asset Management
Responsible Officer(s)	Ben Smith, Head of Highways & Transport, 01628 796147
Contact officer job title	
Contact officer, job title	Chris Wheeler, Highways & Transport Business
and phone number	Manager, 01628 796723
Member reporting	Cllr Rayner, Lead Member for Highways & Transport
For Consideration By	Highways, Transport & Environment Overview &
_	Scrutiny Panel
Date to be Considered	25 November 2015
Implementation Date if	Immediately
Not Called In	
Affected Wards	All
Keywords/Index	Highway/ Asset/ Inspection/ Road/ Repair/ Condition

### **Report Summary**

- 1. The purpose of this report is to update the Highways, Transport and Environment Overview and Scrutiny Panel on progress relating to improved highway asset management since February 2015 and to present the proposed Highway Asset Management Plan (HAMP).
- 2. It recommends that the HAMP is endorsed and added to the forward plan for formal adoption by Cabinet in January 2016.
- 3. Adoption of a robust asset management strategy, policies and inspection regimes is essential for the Borough to maximise government grant funding, optimise expenditure and maintain a robust defence against claims.
- 4. Key headlines and trends for our roads:
  - a. RBWM Road Network 375 miles (603km)
  - b. Over £9m spent on road maintenance over the past 4 years
  - c. The percentage of roads where maintenance should be considered has been cut by more than half over the past 5 years to 6%
  - d. In 2014/15 31 miles of road were resurfaced and over 11,000 potholes were fixed through the 'Pothole Challenge' initiative
  - e. Almost 100% of dangerous potholes are repaired and made safe within 24 hours of being reported

If recommendations are adopted, how will residents benefit?						
Benefits to residents and reasons why they will benefit	Dates by which they can expect to notice a difference					
Residents will benefit from an improved highway network, proactively inspected and maintained to	With effect from formal adoption of the HAMP					
optimise the securing and use of funding and minimise legal claims	Grant Funding implications from April 2016					

### 1. Details of Recommendations

### **RECOMMENDED: That:**

i) Highways, Transport & Environment Overview & Scrutiny Panel endorse the strategy, policy and guidance set out in the HAMP documents and agrees that it should be added to the forward plan for Cabinet for formal adoption in January 2016.

### 2. Reason for Decision and Options Considered

### Introduction

- 2.1 The Department for Transport (DfT) encourages local authorities to develop an asset management approach to managing the highway network.
- 2.2 As a highway authority we aim to introduce and embed asset management principles throughout our organisation to ensure that:
  - 1. we optimise government grant funding based on new rules (by reaching DfT Band 2 by 2016/17) and follow DfT good practice to maximise any additional grant funding that becomes available
  - 2. spending is focussed on need and desired outcomes by using investment models (see 2.21)
  - 3. the condition of our roads improves 2015/16 target for principal roads is 5.5% in need of maintenance (0.5% improvement on 2014/15)
  - 4. resident satisfaction increases so that we reach the top quartile of Local Authorities by March 2019 (see section 3)
- 2.3 In simple terms, asset management is the way an organisation manages its assets to deliver its strategic priorities and service needs effectively.

RBWM Highway assets include:

•	Roads Network:	603km (375 miles)
•	Footways:	800km
•	Bridges/Structures:	300+
•	Street Lights etc:	17,000+
•	Traffic Signals:	57 sites
•	Road Drains:	26,000+
•	Public Rights of Way:	300+km
•	Highway Trees:	40,000+

- Highway asset management assesses the status of these assets; identifies need and indicates the level of investment required to maintain, and improve our performance.
- 2.4 Historically the RBWM planned maintenance approach has been driven by the budget level allocated and targets roads categorised as 'red' (suggested intervention level) and roads categorised as high 'amber' (suggested early intervention) together with minor roads identified through inspections and Member requests. The asset management strategy set out in this report and in the documents within the HAMP builds on this approach by providing investment options that deliver different outcomes allowing RBWM better to align investment with our aspirations and performance targets. With new funding rules coming into place from 2016/17 it also essential that we embrace all elements of good asset management practice and adopt a strategy to ensure we don't lose grant funding (set out in 2.7 and in sections 3 and 4).

### **Document terminology**

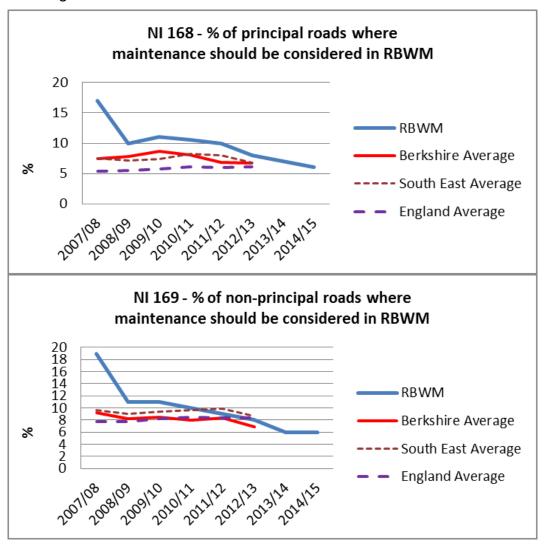
- 2.5 The overarching name for the set of documents is the **Highway Asset Management Plan** (HAMP) *It contains the following:* 
  - The high level document focussing on strategy for Highway Assets is the Highway Asset Management Strategy (HAMS).
  - The document setting out policies, standards and methods is the **Highway Maintenance Management Plan** (HMMP).
  - The document used to inspect and determine where interventions are required is the **Highway Safety Inspection Manual** (HSIM).

### Changing Government requirements/ Grant funding

- 2.6 The DfT are currently changing the way they are capturing information and the introduction of Whole of Government Accounting will mean that we will have to provide a valuation and a condition statement for our entire highway network each year. This is already being developed with the Finance Department with a view to RBWM being fully compliant by the deadline in April 2017. Failure to categorise expenditure to the agreed categories could lead to a qualified set of local authority accounts. If the accounts are not approved by external audit this in turn will impact on grants available from the DfT. This will have a detrimental effect on the authority's transport infrastructure in the long term.
- 2.7 From 2016/17 onward an increasing element of Local Transport Plan (LTP) capital grant allocated by the DfT will be based on reward for good asset management practices and less purely based on need (e.g. length of roads). As shown in sections 3 and 4, this element will be greater than £300k in four to five years' time. The current allocation based on need is £2.178m. It is very likely that any other one-off funding the DfT may make available over the coming years will be allocated on a similar basis.

### Road condition, Highway inspections and safety repairs

- 2.8 Since 2007/08 we have cut the percentage of roads where maintenance should be considered from 17% to 6% for principal roads and from 19% to 6% for non-principal roads, while average figures across England increased slightly (see tables overleaf).
  - Although we only have access to national, regional and Berkshire averages up to 2012/13, we now have the 2013/14 and 2014/15 road condition percentages in need of maintenance for RBWM.



- 2.9 This improvement has been delivered by increasing investment in the planned maintenance with over £9m spent on RBWM roads over the past 4 years. This included over £2m of one-off additional funding from the DfT (Flood Alleviation Grant and Pothole Grant). This has been supported by ensuring that our contracts provide good value, minimise overheads and innovative solutions are used wherever possible.
- The RBWM highway inspection regime and standards are set out in our 2.10 HMMP and HSIM which must account for the content of the national "Well Maintained Highways" Code of Practice. This code provides local authorities with guidance on asset management. We follow the vast majority of the current Code of Practice but where there are variations these are clearly justified and explained within the documents. RBWM has a good record in defending compensation claims (pothole repudiation rate for compensation claims from 2009/10 to 2013/14 is 94%. For all other highways claims the average repudiation rate over the same period is 92%). We have been able to defend claims under the statutory defences contained in the Highways Act because we have robust documents and practices. However, a successful claim can be in the hundreds of thousand pounds in value so we need to continue to review and enhance our documents and delivery methods to maintain this. The council's meets up to the first £500K of public liability claims under the terms of its insurance arrangements.

2.11 The target set out in our Integrated Performance Management Report (IPMR) is to fix 98% of emergency potholes within 24 hours. Currently RBWM is performing at nearly 100%.

### Resident satisfaction (benchmarking)

- 2.12 In addition to the resident's survey, since 2013 the Royal Borough has taken part in the annual National Highways & Transport (NHT) Benchmarking Survey carried out in July/ August. This works in a similar way to the resident's survey but drills down into a further level of detailed questions relating to these services. In addition, it provides comparison for customer satisfaction between different authorities, regionally and nationally. Overall we were ranked 31<sup>st</sup> of the 87 local authorities participating compared to 47<sup>th</sup> of 78 last year which puts us well on target to be in the top quartile by March 2019 as set out in our business plan.
- 2.13 Overall RBWM scores very well compared with local authorities that participated resident satisfaction with the condition of Roads (10<sup>th</sup> of 87) and Highway Maintenance (9<sup>th</sup> of 87). These overall scores are made up from the results of a number of specific questions and Highway Maintenance particularly shows a significant improvement on previous years. We need to continue to make improvements in the way we manage our assets to reach a corresponding improvement in the RBWM resident's survey satisfaction levels. In 2015 overall satisfaction with local road maintenance was 37%.

Details of key NHT indicators are at Appendix E.

### **Progress**

- 2.14 The first stage of developing our asset management approach was to look at the current RBWM position across a range of highway aspects and where we aimed to be in the short and longer term. The review was conducted in a workshop environment with the RBWM officers, discussing and scoring RBWM highway maintenance service as a whole. This set a clear set of actions for improvements including engaging with key stakeholders on the strategy, undertaking investment modelling and developing programmes of work to cover more than one year.
- 2.15 The 2015/16 revenue budget includes £50k for additional surveys for A, B, C, D and unclassified roads. This is above the statutory minimum requirement and will now provide 100% survey coverage for all Borough roads. These additional surveys enable us to link technical condition assessments for all roads with the planning and decision-making process for highway maintenance works and thereby improve modelling of future programmes and better targeting of resources.
- 2.16 In July 2015 Cabinet agreed three year programmes for highway works enabling a strategic approach over the long term.
- 2.17 We have developed the proposed HAMP by reviewing and developing our asset management approach. This includes:
  - Ensuring that our core data is correct
  - Producing different models for investment which would lead to a range of outcomes going forward
  - Creating an even greater emphasis on preventative work rather than reactive repairs
  - Setting out the benefits of longer term programming

- This approach together with funding levels recommended in the investment modelling would ultimately lead to a better road network, which in turn, should lead to greater resident satisfaction.
- 2.18 A working group of officers from the Highways, Streetcare, Trees, Insurance and Risk teams worked together to review the existing RBWM HMMP. In our new set of documents these details are covered in the HMMP and the HSIM which aim to simplify and clearly set our policies, standards, inspection frequencies and intervention levels.

### **Funding Band Target**

2.19 In addition to our road condition and benchmarking targets, we aim to reach Band 2 for Highway Asset Management (as set out by the DfT) in 2016/17 and then Band 3 in 2018/19. This will increase the amount of Incentive Funding available to RBWM as set out in section 4. This target is set in the Operations Directorate Business Plan. In order to reach band 2 RBWM must meet a number of detailed requirements but it is essential we have a Highway Asset Strategy endorsed by our executive. In order to achieve this we recommend the HAMP is progressed to Cabinet for formal adoption in January 2016.

### **Proposal**

- 2.20 Our approach and the proposed RBWM HAMP meet the requirements of good Highway Asset Management by:
  - Setting out strategic approach over the long term
  - Engaging with key stakeholders' and meeting their needs
  - Taking a systematic approach and maintaining good data
  - Optimising funding opportunities
  - Managing expenditure over the asset lifecycle
  - Providing different models for investment and outcomes
  - Setting out clear and robust policies and standards
- 2.21 The investment modelling we have undertaken for our road network uses historical data regarding capital spend, reactive maintenance costs and trends in the condition of our roads to produce a range of options, including the following:
  - Maintain current spend £1.65m this enables a broadly steady state condition over the next five years for A, B & C roads but indicates a deterioration in unclassified roads based on current distribution of expenditure
  - Halve current spend £825k indicates a rapid decline in condition across all classification of roads
  - Double current spend £3.3m indicates a steady state condition for unclassified roads but rapid improvement in condition for A, B & C roads based on current distribution of expenditure
  - Increase spend to maintain current road condition (see 2.8) £2.372m recommended indicates a steady state in condition across all classification of roads

The investment models will be used to inform the capital bid process which is underway and the budgets for 2016/17 will be determined in February 2016. The full investment modelling report is attached at Appendix D.

2.22 Effective delivery of the HAMP is equally important and requires us to meet performance requirements in the most efficient way by optimal allocation of resources, managing risk and ensuring effective operational delivery. Reviews of the highway inspection service and highway works contracts have also been conducted as set out in 2.23 and 2.24 below.

### **Options**

Option	Comments
(a) Adopt a strong asset management approach as set out in the HAMP.	(a) This option is <b>recommended</b> . A strong asset management approach not only ensures that existing highway funding is targeted correctly through effective planning and delivery, but also will maximise access to grant reward funding (see key implications). This approach also ensures that our inspection regime is robust and fit for purpose.
(b) Adopt an alternative approach to managing and maintaining our highway assets.	(b) This option is not recommended. Not following the DfT guidance on Highway Asset Management is very likely to result in less funding being available to RBWM. It is also good practice to review and refresh highway inspection regimes and it provides support when defending claims because the application of its HMMP and HSIM is what the legal system judges the highway authority on.

### **Supporting work streams**

### Highway inspection function review

2.23 In order to ensure that the service for inspections is robust and fit for purpose in the future the Head of Neighbourhoods & Streetscene has undertaken a fundament service review of the highway inspection function. The proposals will include the improved use of technology, systems, resources and processes in order to create efficiency improvements and align with the HSIM. Improvements will be implemented from April 2016.

### **Contracts**

- 2.24 The existing highway work term contracts have been extended to May 2016 in order that a full review could take place prior to retendering. The review looked at the scope of contracts in order to ensure that they are let to provide the best delivery mechanism to deliver works and meet good practice set out by the Highway Maintenance Efficiency Programme (HMEP). HMEP is a DfT funded and sector led transformation programme that connects networks from across the highways sector and provides the tools and resources to ignite ideas and help leaders and managers to transform delivery of roads and services through greater efficiencies.
- 2.25 The retendering proposals will be presented to Cabinet in December 2015.

### 3. Key Implications

Defined Outcomes	Unmet	Met	Exceeded	Significantly Exceeded	Date they should be deliver by
Achieve Band 2 status by for Highway Asset Management Incentive Funding as set out by the DfT (Baseline Band 1)	Do not achieve Band 2 by March 2017	Achieve Band 2 by March 2017	Achieve Band 2 by March 2016	Achieve Band 2 by March 2016 with significant progress towards Band 3	March 2017

Achieve Band 3 status by for Highway Asset Management Incentive Funding as set out by the DfT (Baseline Band 1)	Do not achieve Band 3 by March 2019	Achieve Band 3 by March 2019	Achieve Band 3 by March 2018	Achieve Band 3 by March 2017	March 2019
Achieve Top Quartile Status for overall satisfaction for highways and transport as measured by the annual National Highways & Transport (NHT) Public Satisfaction Survey (Baseline 47 <sup>th</sup> /78)	Do not achieve top quartile by March 19	Top quartile by March 19	Top quartile by March 18	Top quartile by March 17	March 2019

### 4. Financial Details

As the government grant funding allocation is changing, achieving the levels of asset management maturity they set (Band 1, 2 or 3) will have a direct impact on LTP capital grant as set out in the table below. Similar considerations will be made by the DFT for other one off grants that become available.

	Total needs/formula allocation		element by sessment i		RBWM Total Band 1	RBWM Total Band 2	RBWM Total Band 3
	allocation	Band 3	Band 2	Band 1	Бапа і		
2015/16	£2.178m				£2.178m	£2.178m	£2.178m
2016/17	£1.997m	£121k	£121k	£109k	£2.105m	£2.117m	£2.117m
2017/18	£1.936m	£181k	£163k	£109k	£2.045m	£2.099m	£2.117m
2018/19	£1.752m	£365k	£255k	£109k	£1.862m	£2.008m	£2.117m
2019/20	£1.752m	£365k	£182k	£36k	£1.789m	£1.935m	£2.117m
2020/21	£1.752m	£365k	£109k	0	£1.752m	£1.862m	£2.117m

### 5. Legal

There are no direct legal issues arising from this report. However, by reviewing and ensuring robust highway maintenance plans we will be minimising the risk of compensation payments by RBWM by providing a strong defence against claims related to highways.

### 6. Value for Money

Highway asset management is an approach that aims to optimise value for money through whole lifecycle planning and investment. This proactive approach aims to minimise need for more expensive reactive work.

### 7. Sustainability Impact Appraisal

Sustainable construction and maintenance practices are set out in the HMMP (section 1.2 of the HMMP). This includes the use of recycled materials.

### 8. Risk Management

Risk	Uncontrolled Risk	Controls	Controlled Risk
Highway Asset Management Future funding from DfT will increasingly depend on how well local authorities manage their highway assets. If we do not adopt a robust asset management approach we could fail to access the growing incentivised element of LTP grant.	Medium	Adopt the Borough's Highway Asset Management Plan and continue to develop a robust asset management approach to highway maintenance.	Low
Highway Inspections If we do not keep our inspection regime updated in line with best working practices and fit for purpose it will become harder to defend compensation claims for third party property damage or personal injury, which may result in increased pay outs and reputational damage as set out in the corporate risk register (HE0008)	Medium/ High	Adopt the Borough's Highway Asset Management Plan and continue to develop a robust asset management approach to highway maintenance. Continue to review the highway inspection regimes, road categorisation and intervention levels based on the requirements of the national code of practice and implement any recommended improvements.	Low

### 9. Links to Strategic Objectives

The recommendations of this report and the anticipated outcomes are wholly consistent with the Borough's strategic objectives, in particular the following:

### **Residents First**

- Improve the Environment, Economy and Transport
- Work for safer and stronger communities

### **Value for Money**

- Deliver Economic Services
- Improve the use of technology
- Invest in the future

### **Delivering Together**

- Deliver Effective Services
- Strengthen Partnerships

### 10. Equalities, Human Rights and Community Cohesion

An improved highway network benefits all road users.

### 11. Staffing/Workforce and Accommodation implications:

There are no direct staffing/ workforce issues arising from this report.

### 12. Property and Assets

The Highway Asset Management approach set out within this report seeks to improve the Highway Network and maintain the highway asset in accordance with good practice.

### 13. Any other implications:

N/A

### 14. Consultation

The annual RBWM Residents Survey and National Highways and Transport (NHT) Surveys gauge the views of a cross section of Borough residents on a range of highway subjects including road condition. We use these indicators and feedback to inform the development and delivery of highway services and improve resident satisfaction.

### 15. Timetable for Implementation

- Immediate from formal adoption of the HAMP.
- Grant Funding implications from April 2016

### 16. Appendices

- RBWM Highway Asset Management Plan (HAMP)
  - Appendix A Highway Asset Management Strategy (HAMS)
  - Appendix B Highway Maintenance Management Plan (HMMP)
  - Appendix C Highway Safety Inspection Manual (HSIM)
- Appendix D Investment Modelling 2015 Carriageways RBWM
- Appendix E NHT Benchmarking (road condition and highway maintenance)

### 17. Background Information (available on request)

Report to Highways, Transport and Environment O&S Panel – 3 February 2015

### 18. Consultation

Name of	Post held and	Date sent	Date	See comments	
consultee Department			received	in paragraph:	
Ben Smith	Head of Highways &	06 Nov 2015	09 Nov 2015	Throughout report	
	Transport				
Dave	Head of	10 Nov 2015	11 Nov 2015	Section 2 (2.3 and 2.9)	
Perkins	Neighbourhoods &				
	Streetcare				
Steve	Insurance & Risk	10 Nov 2015	13 Nov 2015	Section 2 (2.9), Section 8	
Mappley	Manager				
Mark	Finance Partner	10 Nov 2015	13 Nov 2015	Throughout Section 2,	
Lampard				Section 4 and Section 6	
Elaine	Shared Legal Services	10 Nov 2015	12 Nov 2015	None	
Browne					
Simon	Strategic Director of	10 Nov 2015	13 Nov 2015	Section 1 Recommendation	
Fletcher Operations				And throughout Section 2.	
Michael	Cabinet Policy	10 Nov 2015	11 Nov 2015	Report summary (item 2),	
Llewelyn	Assistant			Section 1 Recommendation	
				and Section 2 (2.18)	
Cllr Colin	Lead Member for	10 Nov 2015	12 Nov 2015	No specific comments	
Rayner	Highways & Transport				

### **Report History**

Decision type:	Urgency item?	
For information	No	

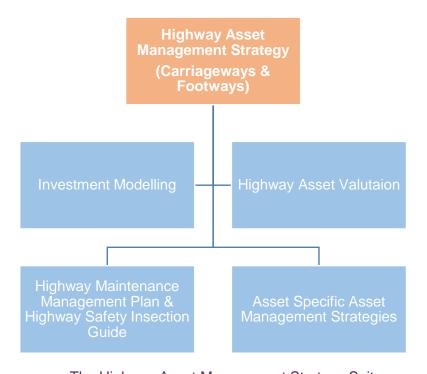
Report author	Job title	Full contact no:
Chris Wheeler	Highways & Transport Business Manager	01628 796723

### Royal Borough of Windsor and Maidenhead

### **Operations Directorate Highways & Transport**

## HIGHWAY ASSET MANAGEMENT STRATEGY (HAMS)

# *for*Carriageways and Footways



The Highway Asset Management Strategy Suite

Highways & Transport
Operations Directorate
Royal Borough of Windsor & Maidenhead
Town Hall
St Ives Road
Maidenhead
SL6 1RF

Windsor & Maidenhead

The Royal Borough

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### Introduction - What is the purpose of this strategy?

The Royal Borough of Windsor and Maidenhead (the Royal Borough) is responsible for the maintenance of the majority of the highway assets in the borough. These assets include; carriageways, footways, bridges, public rights of ways, highway verges, ditches and drainage, street lighting, traffic signals, signs and street furniture. This strategy focuses on the carriageways and footways. Future updates will incorporate the other transport assets.

The carriageway and footway assets are the most valuable asset that we, the Royal Borough own. In 2014/15, they were valued at £1.37 billion (Appendix A – The Royal Borough's highway asset valuation). The carriageways and footways are essential to us meeting the Royal Borough corporate objectives of exercising the highest standards of care and control over the assets and resources available, ensuring that these are protected from the risk of loss, damage or misuse, are used in the most efficient, effective and economic way and deliver services in a way that represents the best value for money achievable. As such, a valuable and heavily used asset needs considerable expenditure to maintain an appropriate condition.

The government is promoting the implementation of asset management techniques within highway authorities and has established the Highway Maintenance Efficiency Programme (HMEP) to provide guidance and best practice examples to support this. Furthermore, in December 2014 the Secretary of State for Transport set aside £578 million for an incentive fund scheme to reward councils who demonstrate they are delivering value for money in carrying out cost effective improvements.

In addition, in 2016/17 the Whole of Government Accounts (WGA) for highway assets will form part of the Council's audited balance sheet. It is therefore vital that we can demonstrate that they are being managed efficiently and in accordance with national guidance.

This Highway Asset Management Strategy (HAMS) focuses carriageways and footways assets and forms an umbrella document for all other highway asset management strategies, setting out all generic aspects of asset management and establishing a template. This HAMS describes how we are currently maintaining our carriageway and footway assets and what we intend to do going forward to ensure we are; aligned to national best practice, contributing to the delivery of the Royal Borough's operational policies, and providing an efficient service to the road user.

In order to implement asset management, we must achieve buy-in at several levels within the Council, with leadership coming from elected Members and senior management, and implementation at an officer level.

This HAMS aligns to the UK Roads Liaison Group (UKRLG) and HMEP Highways Infrastructure Asset Management Guidance and the Royal Borough's corporate objectives. It is supported by a suite of documents including the Highway Maintenance Management Plan (HMMP) and the Highway Safety Inspection Manual (HSIM), as well as other asset specific strategies.

This HAMS outlines our approach to maintaining these essential assets and in doing so, answers the questions that follow:

1.	What is asset management and why adopt it?	. 1
2.	What are our objectives for asset management?	2
3.	What Carriageway and Footway assets are we responsible for?	3
4. ye	What have we spent on maintaining the Carriageways and Footways over the last ars and what has been the impact on their condition?	
	What is the current condition of the Carriageway assets and what condition are wgeting?	
6.	What impact will the current budget have on asset condition?	8
7.	What are the best investment options for the future?	10
8.	How do we develop a 3 indicative programme for the maintenance of the network? 1	12
9.	How do we decide what treatment is right?	13
10	. How will we ensure the HAMS is working?1	15
	Appendix A – The Royal Borough's highway asset valuation1	16
	Appendix B – Corporate Governance Policy - 2014/2015 - corporate objectives relevant the HAMS1	
	Appendix C – Performance benchmarking with neighbouring councils 1	18

### **Version Control**

Date	Changed affected	Officer		
Sept. 2015	Draft version	Chris Wheeler		
Nov. 2015	Proposed version	Chris Wheeler		

### 1. What is asset management and why adopt it?

The Highways Maintenance Efficiency Programme (HMEP) and the UK Roads Liaison Group's 'Maintaining a Vital Asset' leaflet describes asset management and how it can help as follows:

'Asset management promotes a business-like way to highway maintenance. It makes better use of limited resources and delivers efficient and effective highway maintenance. It takes a long term view of how highways may be managed, focusing on outcomes by ensuring that funds are spent on activities that prevent expensive short-term repairs. This makes the best use of public money whilst minimising the risk involved in investing in highway maintenance.

But good asset management is not just about making best use of existing funds. It also provides a clear evidence base to justify the need for investment in highway maintenance, for example through prudential borrowing.

Many councils understand the potential benefits to them of good asset management, but often cite a lack of resource as the main reason for not adopting good practice, resulting in a short term, reactive approach being used. This is inefficient, allows more defects to develop and is more costly in the longer term. Research has shown that reactive repairs are four times more costly than preventative treatments.

Highway infrastructure asset management is an established and widely recommended approach both in the UK and internationally. Where it has been adopted for highways, savings of at least 5% on budget have been reported. It also supports decision-makers in reconciling short-term problems with long-term priorities. In other public service sectors such as the water industry, asset management has been well-established for some years, and has produced savings of up to 15%'.

In December 2014, the Secretary of State for Transport announced that £6billion will be made available between 2015/16 and 2020/21 for local highway maintenance capital funding. Of this, £578million has been set aside for an incentive fund scheme, to reward councils who demonstrate they are delivering value for money in carrying out cost effective improvements, in part through sound asset management.

Local highway authorities, such as the Royal Borough, will be assigned a proportion of the incentive fund annually based on their ability to demonstrate that efficiency measures are being implemented. Local highway authorities will be put into one of three bands. If the Royal Borough is able to demonstrate that we are in Band 3 we will receive £365,000 per year more than if we are only in Band 1. This is a significant sum of money and helps to justify allocating resources to implement robust asset management and other efficiency measures.

**Figure 1: DfT Incentive Fund Distribution** 

Year	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Band 1	100%	90%	60%	30%	10%	0%
Band 2	100%	100%	90%	70%	50%	30%
Band 3	100%	100%	100%	100%	100%	100%

#### 2. What are our objectives for asset management?

- To adopt the recommendations of the Highway Maintenance Efficiency Programme.
- To utilise up-to-date information to understand asset condition and maintenance requirements.
- To adopt life cycle planning techniques to inform asset investment need and to provide evidence for business cases and funding applications.
- To use whole life costing principles to minimise the cost of asset ownership over the long-term.
- To provide senior officers and elected Members of the Council with the information required to make informed decisions.
- To achieve Band 2 in the DfT Incentive Fund Self-Assessment for the 2016/17 funding allocation.
- To achieve Band 3 in the DfT Incentive Fund Self-Assessment for the 2018/19 funding allocation.

#### 3. What Carriageway and Footway assets are we responsible for?

We own and maintain circa 602.4km of local carriageways and circa 683.5km of local footways. We break these carriageways and footways down into classifications is shown in Table 1 below.

Table 1: Royal Borough Carriageway and Footway asset inventory.

Asset Group	Classification	Length of Network (km)	Average Width of the Network (km)	Area of the Network (km²)
	A roads	83.8	10.10	846.38
Carriage	B & C roads	171.4	8.45	1448.33
ways	U roads	347.2	6.70	2326.24
	TOTAL	602.4	N/A	4620.95

Within the Royal Borough there are 6.8km of trunk roads and 20.2km of motorways, such as the A4 and M4. These are owned and maintained by Highways England (formally the Highways Agency), are not the responsibility of the Royal Borough and are therefore not included in this HAMS. These are shown in Figure 2 below.

There are also a number of private roads within the Royal Borough. The landowners and/or adjacent property owners are responsible for the maintenance of these roads.

Figure 2: The Royal Borough's map showing the network of major roads



# 4. What have we spent on maintaining the Carriageways and Footways over the last 5 years and what has been the impact on their condition?

Figure 3 below presents our expenditure history since 2011/12. This shows that over the years our combined carriageways and footways spend has fluctuated, with a slight rise over the course of the 5 years. In 2014/15 the budget increased significantly and has been sustained. This is a consequence of the Royal Boroughs commitment to invest more in roads.

Our level of expenditure on responsive maintenance has decreased since 2012/13. It can be seen that the increase in 2012/13 followed a significant decrease in planned expenditure in 2012/13. This implies that the amount of capital expenditure in 2012/13 was not sufficient to improve or maintain the overall condition of the carriageway and footway network, leading to a need for increase responsive maintenance.

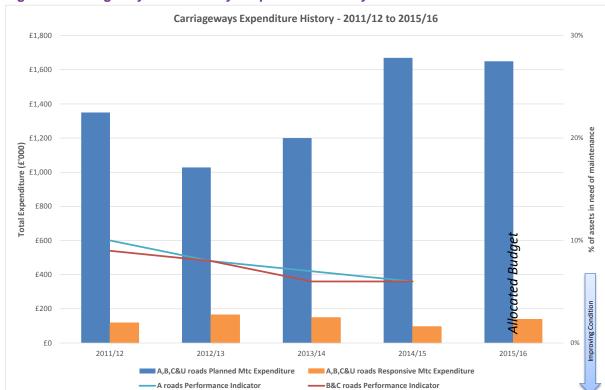


Figure 3: Carriageways and footways expenditure history between 2011/12 and 2015/16.

Note: Performance indicators for footways are not available.

The A and B/C road performance indicators have shown a gradual improvement over the period. It should be noted however, that over this period we have not been collecting condition information on the Unclassified (local road) network. The unclassified roads account for nearly 60% of the whole network, so without this information the complete picture is unclear. We have addressed this issue, and as of 2015 we have started to collected unclassified carriageway condition data annually.

The carriageway condition data was collected via UK Pavement Management System (UKPMS) surveys to provide us with information to inform maintenance and funding requirements, to report on national performance indicators required by the Government, and

to calculate asset valuation for Whole of Government Accounts. Condition data for 2014/15 is presented in Table 2.

Table 2: The Royal Borough's carriageways UKPMS condition for 2014/15.

Single List	Performance Indicators	Performance
No.	Description	Current
Item 130-01	% of principal roads where maintenance should be considered	6%
Item 130-02	% of non-principal classified roads where maintenance should be considered	6%
BV224b*	% of unclassified roads where maintenance should be considered	8%

<sup>\*</sup> BV224b data was not collected by the Royal Borough for many years due to it not being a requirement by government. However data has started to be collected again to inform maintenance and funding needs.

In addition, we benchmark ourselves with neighbouring boroughs to provide an insight on how we are performing compared to others and to track progress against our corporate objectives. Performance benchmarking is presented in Appendix C – Performance benchmarking with neighbouring councils.

# 5. What is the current condition of the Carriageway assets and what condition are we targeting?

For this current version of the HAMS, only investment modelling for carriageways has been undertaken, this will be further supported in future versions with investment modelling of the state of the footways in the borough.

We have established target conditions to ensure highway asset maintenance functions on the ground are aligned to and contribute to achieving the Royal Borough's corporate vision. Table 3 outlines the categories used to define the conditions.

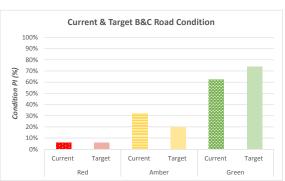
**Table 3: Condition information categories.** 

Condition	Description
Red	Roads where structural maintenance should be considered
Amber	Roads where preventative maintenance should be considered
Green	Roads in good condition

Our current and target carriageways conditions are as shown in Figure 4, and are summarised in Table 4. The carriageway assets are split between A, B&C and U roads.

Figure 4: Current and target carriageway surface conditions for A, B&C, and U roads





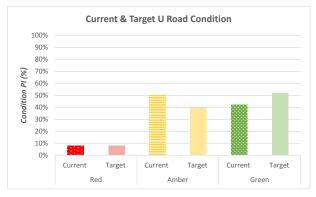


Table 4: Carriageway current and target condition summary

Condition	Current	Carriageway C	ondition	Target Carriageway Condition			
Band	A Roads	B/C Roads	U Roads	A Roads	B/C Roads	U Roads	
Red (PI)	6%	6%	8%	5%	6%	8%	
Amber	41%	32%	50%	30%	20%	40%	
Green	53%	62%	42%	65%	74%	52%	

Our current performance indicators (red zone) are very good both regionally and nationally. The benchmarking with our neighbouring councils (Appendix C) demonstrates that we are on par with our peers for A and B/C road condition and generally better than most with regard to unclassified roads. On this basis, and in alignment with the Royal Boroughs corporate objectives, we have set performance indicator targets which represent a steady stead situation.

Within Figure 3 and Table 4 above, one will note that we have targeted improvements in the percentage of the network in the amber zone. The reason for this being that maintenance on carriageway in the amber zone is often cheaper than treatments required for carriageways in the red zone (which tend to require deeper resurfacing). As such, by targeting the amber zone our money goes further and prevents further deterioration into the red zone, which would lead to greater maintenance costs.

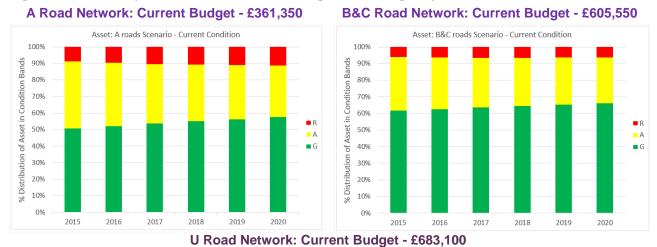
This 'prevention is better than cure' proactive approach is endorsed by the HMEP and is generally considered to be best practice. The approach prevents roads reaching the red zone and minimises disruption to the road user and the need for reactive maintenance such as pothole repairs.

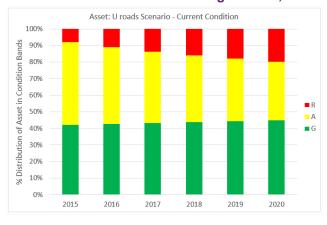
#### 6. What impact will the current budget have on asset condition?

We have utilised condition data and investment modelling techniques to forecast the condition for carriageways over a 5 year period, should the current budget of £1.65 million continue. This investment modelling has been carried out using the HMEP's Lifecycle Planning Toolkit, a tool endorsed by the government. For this current version of the HAMS, only carriageways have been analysed, this will be further supported in future versions with analysis of the state of the footways in the borough.

Figure 5 below, illustrates the predicted condition of the carriageways on the principal network (A Roads) non-principal network (B and C roads) and the unclassified network (U roads) should the current carriageway budget and maintenance strategy continue.

Figure 5: Condition prediction at the current budget for carriageways





Note 1: Red shows assets in poor condition, Amber shows assets in a deteriorating condition, and Green shows assets in good condition.

These graphs illustrate that at the current level of funding, and using the present maintenance strategy, the existing carriageways funding will enable a broadly steady state condition over 5 years for the A and B/C networks. However, the unclassified road network shows a deteriorating condition. This deterioration in condition will manifests itself in several ways, including:

 An increase in the number of roads needing repair i.e. more cracks visible, leading to potholes, more uneven roads, etc.

- An additional liability on personal injury or damage claims.
- An increase in the number of potholes, triggering more responsive maintenance to meet statutory duty.
- A 'fire-fighting approach' being adopted rather than 'invest to save' measures, hindering the Royal Borough's ability to demonstrate robust asset management practice.

Based on the current budget and maintenance strategy, there will be 89km of roads in need of repair by 2019/20, a 43km rise from 2014/15. This will have a big implication upon the level of reactive maintenance required, and therefore reducing the budget available for planned maintenance work.

We have also predicted that there will be a circa £30,000 rise in potential compensation claims to £70,000 by 2019/20.

This information is now being used to support a business case for targeted funding to maintain the current condition of the A, B/C and unclassified carriageways and prevent deterioration. This could be achieved through a combination of an appropriate level of funding and adjustments to the existing maintenance strategy.

#### 7. What are the best investment options for the future?

We have also investigated a number of investment options to help us understand how the carriageways network condition will change over a 5 year period.

Four budget scenarios were processed (Table 5) to predict the impacts of maintaining, reducing, increasing and redistributing the level of funding.

**Table 5: Budget Scenarios** 

Budget Scenarios	Annual Budget	Capital Expenditure (over 5 years)
Current	£1,650,000	£9,900,000
Reduced (-50%)	£825,000	£4,950,000
Enhanced (+50%)	£3,300,000	£18,439,709
Steady State	£2,370,000	£14,230,500

The results of the investment modelling suggests that the current budget (£1.65million) enables a broadly steady state condition over 5 years for the A and B/C networks. However, the unclassified road network shows a deteriorating condition.

The reduced budget scenario (£0.8million) is shown to be insufficient to maintain the present condition across all classifications.

The enhanced budget scenario (£3.3million), is sufficient to maintain a steady state condition in unclassified roads. However, the A and B/C network shows a rapid improvement in condition, based on current strategy and budget distribution.

It should be noted that any increased expenditure would be offset to a certain extent by a reduction in reactive maintenance expenditure and a reduced likelihood of third party claims.

The disparity between condition trends for A, B & C roads and U roads indicates that a redistribution of budgets could aid a steady state condition across all classifications. Within the modelling we distributed the budget from 22% to 17% for A roads, 37% to 26% for B&C roads and 41% to 58% for U roads. With this redistribution the overall budget to maintain a steady state was calculated at £2.4million.

It is possible that a steady state scenario could be achieved with a lower budget, with improvements to the current maintenance strategy, such as the adoption of innovative treatments and materials. We work closely with our highway maintenance contractors and monitor the industry for such opportunities.

A separate modelling run was also conducted, removing the surface dressing maintenance technique, to examine the effect this would have on road condition and overall budgets. The results of this analysis showed a significant decline in condition across all carriageway classifications. To maintain a steady state condition without the use of surface dressing, the budget would need to be circa £3.0million.

The recommendation of the investment modelling is to target a steady state condition, with an increased budget of £2.4million. This requires an adapted distribution of funding to ensure that unclassified roads are maintained to the same level as A and B/C roads, as well as the continued use of cost effective preventative treatments such as surface dressing.

Further results of the investment modelling undertaken can be found in the separate report 'Investment Modelling 2015 Carriageways for Royal Borough of Windsor and Maidenhead'.

# 8. How do we develop a 3 indicative programme for the maintenance of the network?

Our 3 year indicative programme for the maintenance of the carriageways and footways network is refreshed annually. This enables forward planning, helps forecast budget requirements and co-ordination of works with utility companies and other regeneration schemes.

We prioritise works using prioritisation tools, incorporating data from Coarse Visual Inspections (CVI), Detailed Visual Inspections (DVI) and SCANNER surveys, collected by specialist surveying companies. Site investigations, conducted by the Royal Borough engineers, ensure that that defects being triggered and the respective treatments reflect the defects that matter most to the Royal Borough. These factors determine the priority ranking of every carriageway. The views of the public and non-engineering factors are also taken into account at this stage. This is highlighted in Figure 6 outlining the importance that these external factors play in developing the works programme.

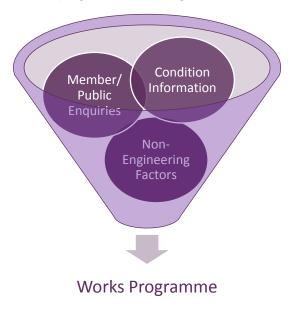
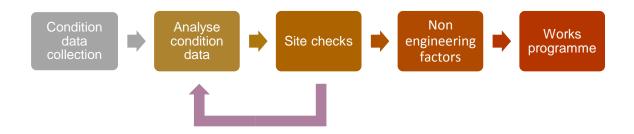


Figure 6: Work programme inputs.

A flowchart showing how the forward works programme is developed is shown in Figure 7.

Figure 7: Carriageways and footways programme of works process



#### 9. How do we decide what treatment is right?

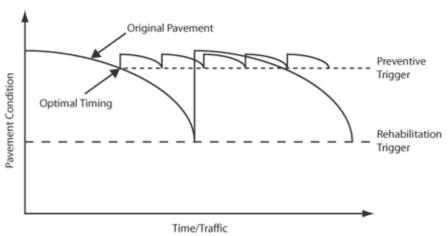
#### **Planned Maintenance**

Deciding what treatment is best value for the carriageway and footway from the suite of treatment options available (Table 6), both in the short and long term, is based on a series of factors.

It is our intention to select treatments which prolong the life of the assets in the most cost effective manner. Rather than just considering the up-front cost of a treatment we analyse its whole life cost. I.e. Treatment X may cost £10/m² but only last 3 years, whereas Treatment Y may cost £20/m² but last 10 years. In this example, assuming both treatments offer an acceptable level of performance, we would choose Treatment Y.

It should be noted however that it is not the intention of the Royal Borough to deliver a 'gold plated' planned maintenance service that eliminates all roads in the red condition zone. This would be extremely expensive and the entire available budget would be focused on a very small percentage of the network. Instead, as per HMEP guidance, we take a balanced approach to addressing deep structural repairs (in the red zone) and applying preventative, thin surfacing treatments (in the amber zone). In this way we can prevent roads in the amber zone become red through early intervention with cheaper treatments. This is often cost effective and minimises disruption.

Figure 7 - Pavement Lifecycle Options



Our suite of potential planned maintenance treatment options is fed into our scheme builder tool which triggers treatments based on the condition information. This is then checked on site, and may be confirmed with coring samples, local knowledge of the site and relative traffic conditions.

Table 6: The Royal Borough's current suite of treatment options

Condition	Carriageway treatments	Footway treatments
Plane and Resurface		BIT Reconstruction 170mm
Red	Asphalt Concrete	BIT Resurfacing 75mm
		ASP Reconstruction
Amber	Surface Dressing	BIT Slurry seal 10mm
Allibei		ASP Take up and relay

#### **Reactive Maintenance**

Reactive maintenance techniques are covered in detail in the Highway Maintenance Management Plan. It is the Royals Borough's intention that reactive maintenance, such as pothole repairs, follows the principle of 'right first time' to avoid short-term repair failures and necessitating repeat visits. This is not always possible where the defect presents and immediate danger and requires a quick fix.

## 10. How will we ensure the HAMS is working?

This strategy will be reviewed and updated annually to ensure we capture and adopt asset management best practice as it evolves, to update investment modelling and to ensure the highway maintenance objectives remain aligned to the corporate objectives of the council.

The strategy will be under constant use and scrutiny, and should the need arise for interim updates, possibly due to changes in national guidance or the Royal Borough circumstances, then we will carry these out.

## Appendix A – The Royal Borough's highway asset valuation

Table 7: Asset valuation report figures for 2013/14.

Accet Croup	GRC	DRC	Depreciation		
Asset Group	(£'000)	(£'000)	(£'000)	%	
Carriageways	£1,148,850	£1,116,969	£31,881	2.77%	
Footways	£188,109	£96,363	£91,746	48.77%	
Highway Structures	£134,048	£93,074	£40,974	30.56%	
Street Lighting	£24,455	£23,092	£1,363	5.57%	
Traffic Management	£6,877	£3,649	£3,228	46.93%	
Street Furniture	£11,413	£11,413	£0	0%	
Highway Land Area (m <sup>2</sup> )	£1,322,095	1,070,394	£251,701	19%	
Gross Replacement Cost (GRC)	£2,835,847		£420	),893	
Depreciated Replacement Cost (DRC)		£2,414,954			
Depreciation	14.8	34%			

Note: In 2016/17 the Whole of Government Accounts (WGA) for highway assets will form part of the Council's audited balance sheet.

# Appendix B - Corporate Governance Policy - 2014/2015 - corporate objectives relevant to the HAMS

Table 8: The Royal Borough's relevant corporate objectives

Corporate Ob	pjectives
Objective 1	Work both for and with the community in an open and effective manner, taking account of the views of all of our stakeholders, regularly reporting on our activities, performance and financial position, and maintaining the highest standards of integrity in all our dealings with the community.
Objective 2	Ensure that Service Delivery Arrangements secure the continuous improvement of services and that agreed policies, priorities and decisions are implemented on time, in a manner consistent with the needs of users and in the most efficient and effective way.
Objective 4	Exercise the highest standards of care and control over the assets and resources available, ensuring that these are protected from the risk of loss, damage or misuse, are used in the most efficient, effective and economic way and deliver services in a way that represents the best value for money achievable.
Objective 5	Ensure that the highest standards of professionalism and integrity are maintained and that all those associated with the council demonstrate leadership and public service commitment in conducting the affairs of the authority in an open and accountable manner.

### **Appendix C – Performance benchmarking with neighbouring councils**

Table 9: Carriageways performance benchmarking with neighbouring councils for 2013/14

Indicator	Windsor & Maidenhead*	Bracknell Forest	Bucking- hamshire	Reading	Slough	Surrey	West Berkshire	Woking- ham	Neighbour Council Average
National Performance	Indicators, Single	List							
130-01: Percentage of principal classified roads where maintenance should be considered	7%	7%	6%	8%	9%	5%	3%	5%	6%
130-02: Percentage of non-principal classified roads where maintenance should be considered	6%	6%	8%	6%	9%	6%	7%	6%	7%
Percentage of unclassified roads where maintenance should be considered	8%*	5%	34%	Not available	5%	18%	8%	11%	14%

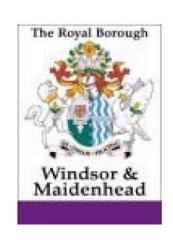
<sup>\*</sup>Windsor & Maidenhead unclassified road performance indicator is from 2014/15 as condition data was not collected in 2013/14.

## Royal Borough of Windsor and Maidenhead

# **Operations Directorate Highways & Transport**

# HIGHWAY MAINTENANCE MANAGEMENT PLAN (HMMP)

Highways & Transport
Operations Directorate
Royal Borough of Windsor & Maidenhead
Town Hall
St Ives Road
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#### **Abbreviations**

The following abbreviations are used in this plan:

HMMP Highway Maintenance Management Plan

NRSWA New Roads and Street Works Act

NSG National Street Gazetteer

PMS Pavement Management System

PROW Public Right of Way

SCANNER Surface Condition Assessment

HAMP Highway Asset Management Plan

TRMM BA 63/94 - may be obsolete referenced in Structures section page 36

UKPMS UK Pavement Management System

COP Well Maintained Highways - Code of Practice for Highways

Maintenance Management

#### **EXECUTIVE SUMMARY**

The Royal Borough has a statutory duty to manage and maintain the (public) highway network within the Borough. The network is the single most important and valuable asset managed by the council. Well maintained highways are essential to residents and visitors alike. The network contributes to the delivery of the Council's strategic objectives and the shared priorities of national and local government.

Efficient transport links are vital for a thriving population and economy, providing access to employment, education, healthcare, retail outlets, leisure and to all the other services and supplies we rely upon to support our needs. Maintenance of the network is vital to ensure it can continue to provide the principal element of the overall transport network.

The Highways Maintenance Management Plan (HMMP) sets out the Royal Borough's approach to providing guidance on the policies and procedures informing our highway maintenance practices. It is based upon the three Codes of Practice, listed below, published by the Roads Liaison Group with the support of the Department of Transport. The HMMP seeks to follow the framework and recommendations of the Codes of Practice whilst recognising the need for regular review and amendment to reflect local circumstances.

- 'Well lit Highways' Code of Practice for Highway Lighting Management published in November 2004
- 'Well Maintained Highways' Code of Practice for Highway Maintenance
   Management published in July 2005
- 'Management of Highway Structures' A Code of Practice published in September 2005

The HMMP recognises that our highway maintenance cannot operate in isolation from the Council's other functions and responsibilities. The underpinning strategy demands a logical and systematic approach to achieve value for money and continuous improvement. It encompasses our statutory duties, the wish to maintain and enhance the value of the network asset and the necessity to be responsive to the needs of the community.

#### **Section 1: Introduction**

#### 1.1 Introduction

The highway network is a key and highly visible community asset supporting both the local and national economy and contributing to the character and environment of the Royal Borough. The importance of highway maintenance and its relevance to the management of the highway network for all transport users, whatever their mode, requires an increased emphasis on management and systems to support service delivery.

The HMMP describes the policies, strategies and processes which shape the way the Royal Borough will develop and deliver its highway network maintenance service. The Plan will be reviewed as necessary and certainly during the development of the Royal Borough's Highways Asset Management Plan.

The Codes of Practice identify three core objectives of highway maintenance;

- Network Safety
- Network Serviceability
- Network Sustainability

The aims of the HMMP may be summarised as:

- Maintaining safety for all users of the network;
- Supporting community safety and accessibility;
- Maintaining the value of the network asset;
- Ensuring consistent and appropriate maintenance standards throughout the network with regard to strategic importance and usage;
- Maintaining, so far as possible, safe and efficient traffic movement throughout the Royal Borough by coordinating works in the highway;
- · Ensuring optimum use of available funds;
- Facilitating technical and financial monitoring to establish network condition trends and assessing performance against expenditure;
- Ensuring that all highway maintenance is carried out with due regard for the community served and the local environment;
- Implementing the recommendations and principles outlined in the Codes of Practice and continuing development of our current systems and practices;
- Promotion of the constant review of policies and standards to ensure continual development of network maintenance strategies;

- To provide a systematic approach to decision making within a consistent framework of policies, standards and procedures;
- To provide a uniform and common basis for assessing maintenance needs and resource requirements.

#### 1.2 Sustainability

Highway Maintenance and new construction has a direct effect on the four priority areas of sustainable consumption and production, climate change and energy, natural resource protection and environmental enhancement and sustainable communities in the following ways:

- They consume large quantities of aggregates and generate large quantities of waste:
- The extraction, processing and transporting of these materials is a significant source of greenhouse gas emissions, particularly in the production of cement and asphalt;
- The use of primary aggregates in preference to recycled or secondary aggregates results in depletion of irreplaceable natural resources and damage to the environment where the aggregates are located;
- The incorrect use of materials can result in pollution of the environment.

For highway maintenance and construction to be sustainable, there needs to be a focus on recycling materials from the existing road wherever possible, using imported recycled or secondary aggregates where appropriate, and choosing techniques that will reduce the level of carbon emissions.

Decisions made and the approach taken by the Royal Borough and its maintenance contractors are therefore crucial in contributing to achieving sustainability in highway maintenance and construction. Sustainability in highway maintenance and construction means living within our environmental limits whilst achieving a sustainable economy.

Highway maintenance has a significant role to play, and impact upon, the achievement of sustainable development. Where possible the following should be taken into account when undertaking major maintenance schemes:

- Does the scheme make use of opportunities to use local materials?
- Are all opportunities realised to minimise noise pollution?
- Does the design process encourage the use of re-used materials as the first option?
- Does the design process encourage the use of recycled materials as the second option?

#### 1.3 Legal Framework

Much of highway maintenance activity is based upon statutory powers and duties contained in legislation and precedents developed over time as a result of claims and legal proceedings. The following Acts and Regulations place mandatory requirements on the Council (this is not an exhaustive list):

- Highways Act 1980
- Environmental Protection Act 1990
- New Roads and Street Works Act 1991
- Road Traffic Reduction Act 1997
- Road Traffic Reduction (National Targets) Act 1998
- Control of Pollution Act 1974
- Land Drainage Act 1976
- Health and Safety at Work Act 1974
- Traffic Signs Regulations and General Directions 1994 & 2002
- Environment Act 1995
- Countryside and Rights of Way Act 2000
- The Noxious Weeds Act 1959
- Road Traffic Act 2000
- The Transport Act 2000
- Rights of Way Act 1990
- Disability Discrimination Act 1995
- Human Rights Act 1998
- Freedom of Information Act 2000
- Management of Health and Safety at Work Regulations 1992
- Construction (Design and Management) Regulations 2007
- Railways and Transport Safety Act 2003
- Traffic Management act 2004
- Local Authorities (Transport Charges) Regulations 1998

Other guidance and advice on management and implementation of highway maintenance include:

- "A New Deal for Transport: Better for Everyone". The White Paper on Integrated Transport (1998)
- The Local Governments Associations' Code of Practice on Highway Maintenance (LGACP)
- European and British Standards
- Pesticides Regulations
- European Noise Directive
- Department for Transport Design and Advice Notes
- The Woolf Reforms
- Well-maintained Highways Code of Practice for Highways Maintenance Management 2005
- Well-lit Highways Code of Practice for Highway Lighting Management 2004
- Management of Highway Structures Code of Practice 2005
- Highway Risk and Liability Claims 2005
- Maintaining a Vital Asset 2005

It is the statutory duty of the highway authority to maintain that part of the highway defined as being maintainable at public expense. This duty is consolidated in Section 41 of the Highways Act 1980. Under Section 56 of the Act any person may apply to the courts for an order requiring the highway authority to take remedial action in cases of alleged non-repair by that authority that may also face action for damages resulting from failure to maintain the highway. Section 58 of the Act provides that in the event of an action it shall be a defence to show that the road was kept in a reasonable state of repair having regard for the traffic using it, the standard of maintenance appropriate to its use and public safety.

Section 150 of the Act requires the highway authority to clear obstructions from the highway resulting from the accumulation of snow or from the falling down of banks on the side of the highway, or from any other cause. Section 41 of the Highways Act was amended to expressly include snow and ice in a Highway Authority's statutory duty to maintain the highway. Section 41(1A) states 'In particular, a highway authority are under a duty to ensure, as far as is reasonably practicable, that safe passage along a highway is not endangered by snow or ice.'

The New Roads & Street Works Act 1991 (NRSWA) is an enabling Act setting out the duties of the Council as a Street Authority to co-ordinate and regulate works carried out in the highway by any organisation. Road openings in the highway executed by statutory undertakers under the provisions NRSWA are backfilled and maintained by the organisation making them. The role of the highway authority is mainly that of coordinating and controlling road works and designating traffic sensitive routes and structures of special engineering difficulty.

The Traffic Management Act 2004 introduces a number of provisions including, Local Authority duty for network management, increased control of utility works and increased civil enforcement of traffic offences.

The most important feature of the Act is Section 16(1) which establishes a duty for local traffic authorities 'to manage their road network with a view to achieving, so far as may be reasonably practicable having regard to their other obligations, policies and the following objectives:

- Securing the expeditious movement of traffic on the authority's road network;
- Facilitating the expeditious movement of traffic on road networks for which another authority is the traffic authority.

Section 31 of the Act specifically states that the term 'traffic' includes pedestrians, so the duty requires the authority to consider all road users. The duty is not limited to the actions of the Department responsible for traffic within an authority. Local authorities will need to consider the duty when exercising their powers under any legislation where this impacts on the operation of the network. "Authorities should therefore ensure that the whole organisation is aware of the duty and the implications for them.

#### **1.4 Claims Management**

The Royal Borough aims to take timely and effective action to minmise the risk of the highway networks to users. However defects may nevertheless arise that present hazards or inconvenience to the public. Where these lead to a compensation claim against the council this will be fully investigated to establish the council's liability position, with reference to the law on negligence and the appropriate statutes.

The Royal Borough records all safety inspections, service requests, complaints, claims and compliments received, together with any actions taken, so that the authority can seek to provide a robust defence against all claims where there is no legal liability.

Where appropriate claims should be submitted via the Claims Portal to The Royal Borough of Windsor and Maidenhead.

#### 1.5 Network Inventory

The Highways Act 1980 requires the keeping of a register of roads that are maintainable at public expense. There is also a requirement under the New Roads and Street Works Act (NRSWA) 1991 to maintain information for the purpose of:

- Identifying streets described as traffic sensitive where work should be avoided at certain times of the day.
- Identifying structures under or over the street which need special consideration when work is planned.
- Identifying reinstatement categories used by Statutory Undertakers in the reinstatement of their street works.

This information is maintained and updated on a regular basis to take account of new developments and/or amendments to the network, all within the framework of the national Street Gazetteer (NSG). The information is in a format that can be electronically accessed by Statutory Undertakers.

#### **1.6 Network Hierarchy**

The network hierarchy is the foundation of a coherent, consistent and auditable maintenance strategy. The hierarchy adopted for the Royal Borough reflects the needs, priorities and actual use of each road in the network. It is also important that local hierarchy is dynamic and regularly reviewed to reflect changes in network characteristics and use.

The COP defines hierarchies for carriageways, footways and cycle ways as presented in the tables below.

#### **Carriageway Hierarchy**

Category	Hierarchy Description	Type of Road General Description	Detailed Description
1	Motorway M4 A308(M)/ A404(M)	Limited access motorway regulations apply	Routes for fast moving long distance traffic. Fully grade separated and restrictions on use. These are maintained by the Highways
2	Strategic Route	Principal "A" roads between Primary Destinations	Routes for fast moving long distance traffic with little frontage access or pedestrian traffic.  Speed limits are usually in excess of 40 mph and there are few junctions. Pedestrian crossings are either segregated or controlled and parked vehicles are generally prohibited.
3a	Main Distributor	Major Urban Network and Inter-Primary Links. Short – medium distance Traffic	Routes between Strategic Routes and linking urban centres to the strategic network with limited frontage access. In urban areas speed limits are usually 40 mph or less, parking is restricted at peak times and there are positive measures for pedestrian safety.
3b	Secondary Distributor	Classified (B & C) Roads and unclassified urban bus routes carrying local traffic with frontage access and frequent junctions	In rural areas these roads link the larger villages and HGV generators to the Strategic and Main Distributor Network. In built up areas these roads have 30 mph speed limits and very high levels of pedestrian activity with some crossing facilities including zebra crossings. On street parking is generally

4a	Link Road	Roads linking between	In rural areas these roads link the smaller
		the Main and	villages to the distributor roads. They are of
		Secondary Distributor	varying width and not always capable of
		Network with frontage	carrying two-way traffic. In urban areas they
		access and frequent	are residential or industrial inter- connecting
		junctions	roads with 30 mph speed limits random
			pedestrian movements and uncontrolled
4b	Local Access Road	Roads serving limited	In rural areas these roads serve small
	Rodu	numbers of properties	settlements and provide access to individual
		carrying only access	properties and land. They are often only
		traffic	single lane width and unsuitable for HGV. In
			urban areas they are often residential loop
			roads or no through roads.

## **Footway Hierarchy**

Category	Category Name	Brief Description
1a	Prestige Walking Zone	Prestige areas in towns and cities with exceptionally high usage.
1	Primary Walking Route	Busy urban shopping and business areas and main pedestrian routes linking interchanges between different modes of transport such as railways and underground stations, bus stops etc.
2	Secondary Walking Route	Medium usage routes through local areas feeding into primary routes, local shopping centres, large schools, industrial centres etc.
3	Link Footway	Linking local access footways through urban areas and busy rural footways.
4	Local Access Footway	Footways associated with low usage, short estate roads to the main routes and <i>cul de sacs</i> .

#### **Cycleway Hierarchy**

Category	Description
A	Cycle lane forming part of the carriageway, commonly 1.5 metre strip adjacent to the nearside kerb. Cycle gaps at road closure point.
В	Cycle track, a route for cyclists not contiguous with the public footway or carriageway. Shared cycle/pedestrian paths, either segregated by a white line or other physical segregation, or un-segregated.
С	Cycle trails, leisure routes through open spaces. These are not necessarily the responsibility of the highway authority

These maintenance designations are not directly matched to the national classifications such as A, B, or C class roads and the required designations as stipulated by the New Roads and Street Works Act. It was never intended that these hierarchies be the same as they cover different aspects of network traffic and purpose. A reasonable correlation has been established, however, between these and other designations

#### **Section 2: Inspection, Assessment and Recording**

#### 2.1 Inspection Categories

It is recognised that an effective regime of inspection, assessment and recording is a crucial component of highway maintenance. The inspection, assessment and recording regime provides the basic information for addressing the core objectives of highway maintenance: network safety, network serviceability and network sustainability. It will also provide condition data for the development of programmes for maintenance as part of the wider HAMP.

The network inspection regime in Royal Borough consists of three types of inspection and surveys:

**Network Safety** – the inspection and assessment regime seeks to ensure that the network is in a safe condition and that 'safety-related' defects are dealt with at defined intervals and response times. Maintenance works are planned and supervised to ensure safety for all affected parties and appropriate treatments are designed to minimise risks and intervention throughout the lifecycle of the asset.

**Network Serviceability** – the availability of the network is maximised through effective co-ordination and by the allocation of appropriate resources. The maintenance regime is designed to keep to a minimum the occurrence of unplanned lane closures. Intervention treatments are designed to maintain or enhance the value of the asset. The activities of the statutory undertakers are regulated. The winter maintenance service deals with snow and ice.

**Network Sustainability** – the design of maintenance treatments considers whole life cost issues, the effect on the environment and accessibility for all.

#### 2.2 Network Safety Inspections

Using a risk based approach the Council will use the following criteria to assess inspection frequency:

- 1. Category within the network hierarchy;
- 2. Traffic characteristics, and trends;
- 3. Incident, complaint and insurance claim history;
- 4. The number of orders being raised on inspection;
- 5. Special designation of routes e.g. safer routes to schools, temporary diversion routes.
- 6. Resurfacing history;
- 7. Surveys skid resistance, traffic speed condition, "coarse visual" (see 2.5 Network Sustainability Surveys" for details).

This is not an exhaustive list. To ensure the inspection programme is dynamic and responsive to local conditions, the inspector also uses their discretion based on any additional local factors. The frequencies set out in the tables below should be regarded as a starting point which may be modified following consideration of the above. Carriageways adopted as publicly maintainable are to be inspected in accordance with the following frequencies:

Category Name	Category	Inspection Frequency	Method of Inspection	Maximum Interval Between Inspections
Strategic Route	2	1 month	Driven	6 weeks
Main Distributor	3(a)	1 month	Driven	6 weeks
Secondary Distributor	3(b)	3 month	Driven	16 weeks
Link Road	4(a)	6 months	Driven	30 weeks
Local Access	4(b)	12 months	Driven	60 weeks

Footways and footpaths adopted as publicly maintainable are inspected in accordance with the following frequencies:

Category Name	Category	Inspection Frequency	Method of Inspection	Maximum Interval Between Inspections
Prestige Walking Zone	1a	2 week	Walked	4 weeks
Primary Walking Route	1	1 month	Walked	6 weeks
Secondary Walking Route	2	3 months	Walked	16 weeks
Link Footway	3	6 months	Walked	30 weeks
Local Access Footway	4	12 months	Walked	60 weeks

Cycleways adopted as publicly maintainable will be inspected, in accordance with the following frequencies:

Category Name	Category	Inspection Frequency	Method of Inspection	Maximum Interval Between Inspections	
Part of Carriageway	А	As for Roads	Driven	Same as adjacent carriageway	
Shared footways and cycleways	В	As per footways	Cycled or Walked	30 weeks	

Highway items such as traffic signs, road markings, reflective studs, roadside trees, gully and manhole covers etc. will be inspected for safety during the routine inspection.

Frequencies should be regarded as minimum values, with enhanced frequencies being determined by a simple risk assessment of these factors, carried out by an inspector in consultation with the senior Streetcare officer as per the below.

Risk assessment for variation in i	nspection frequency
Road no.	
From:	То:
Circumstances giving rise to the r	need to vary the inspection frequency:
Existing inspection frequency:	
Proposed inspection frequency:	
Period of varied inspection freque	ency:
Completed by:	Date:
Endorsed by:	Date:

The maximum intervals shown in the table are applied to take account of variations in the available resources due to national holidays, standard leave entitlements, absence due to sickness and the demands of any adverse weather. If the interval is exceeded, a record of the reasons and the mitigation measures taken will be kept.

#### **Safety Inspection of Trees and Landscaped Areas**

Trees are important for amenity and nature conservation reasons and should be preserved but they can present risks to the highway users and adjoining land users if they are dead, diseased, damaged or have become unstable. The highway authority is responsible for ensuring that trees outside the highway boundary are made 'safe' if due to their condition they are likely to cause danger by any part of them falling on the highway. All trees within falling distance are collectively termed 'highway trees'. Section 154 of the Highways Act 1980 empowers the authority to deal by notice with hedges, trees and shrubs growing on adjacent land which overhang the highway or are a danger to it, and to recover costs.

Inspectors will take note of any encroachment or visibility obstruction and any obvious damage, obvious ill health or trip hazards and pass any relevant information to the arboricultural team. A programme of detailed tree inspections, for trees situated on the adopted highway, is undertaken by arboricultural advisors.

Information from all inspections, together with any immediate or programmed action, including nil returns, is accurately and promptly recorded, monitored, and utilised with other relevant information in regular reviews of maintenance strategy and practice. This is particularly relevant in the case of safety inspections.

Although maximum intervals are identified in the above tables between inspections, it should be noted that in periods of prolonged extreme weather, it may not be possible to achieve these on all occasions for all classes of inspection category.

#### 2.3 Defect Categories and Priority Response Times

All observed defects that pose a risk to users are recorded and the level of response determined on the basis of inspector judgment. The degree of deficiency in highway elements will take account of particular circumstances. For example the degree of risk from a pothole depends upon not merely its depth but also its surface area and location.

It is the policy of the Royal Borough that all repairs are permanent but if this cannot be arranged within each timescale the defect will temporarily be made safe or signed / barriered off.

Defects are defined in two categories:

**Category 1** - Those that require prompt attention because they represent an immediate or imminent hazard or because there is a risk of short-term structural deterioration.

#### Category 2 - All other categories

Category 2 defects are those which are deemed not to represent an immediate or imminent hazard or risk of short term structural deterioration. Such defects may have safety implications but are not required to be urgently rectified. Access requirements, other works on the road network, traffic levels, and the need to minimise traffic management, should be considered as part of the overall assessment regarding response time.

The priority of response that a defect is to be allocated is based upon a risk assessment which considers impact against probability.

Where a defect is identified a risk score is assessed. This is a value derived by considering the impact and probability of an event. This score identifies the overall seriousness of the risk and the appropriate speed of response to remedy the defect. Inspectors have full discretion to escalate the response if they consider it necessary given the character of the defect and its location.

The priority response time for dealing with the defect is determined by reference to the Risk Response matrix table:

### Risk Response matrix

Risk score	Low	Low/Medium	Medium	Medium/High	High	Extreme
Defect	2	2	2	2	1	1
category						
Response	P6	P5	P4	P3	P2	P1
category						
Priority	Within 3	Works to be	Up to 14	Up to 7	24 hours.	3 hours.
response	months.	repaired	calendar	calendar		
		within 28	days	days	Make	Make safe
		calendar			safe or	or repair.
		days			repair.	

The Defect Assessment Risk Matrix below provides guidance to inspectors on the evaluation of particular defect types and locations.

Potholes and general surface defects  Recognised pedestrian areas, footways and  Carriageway				Verge erosion	Depressions	Manholes, stopcocks covers. Gullies		
marked cycle lanes.		Carriageway						
Risk of interaction with pedestrians (f/way)	>= 25mm	< 25mm  Likelihood of worsening in short term e.g. advanced local crazing likely to pothole.	Risk of interaction with vehicle (c/way)	>= 40mm	<40 mm  Likelihood of worsening in short term. Advanced local crazing likely to pothole.	Road edge breaking away so as to be potentially hazardous.  >100 mm depth adjacent to f/way edge >150 mm depth adjacent to c/way edge	Sunken bowl type defect with no defined edge determined on a case by case basis.  Investigatory levels are >50mm depth and <300mm in width.	If not RBWM, these are referred to the utility companies with P1 and P3 made safe in the meantime.
Extreme. In a town centre or a main footfall area Cat 1a	P2	P4 Inspector discretion for	Extreme. In line with vehicle path of very high traffic flow. Cat 2	P2	P4 Inspector discretion for repairs where there is	P3 Inspector discretion for repairs where there is	P4	P1 Cover missing/dislodged
Major Adjacent to main areas of footfall in vulnerable areas. Cats 1 & 2	P2	repairs where there is evidence of short term deterioration	Major. Adjacent to vehicle path in area of very high traffic flow. Cat 3(a)	P2	evidence of short term deterioration.	evidence of short term deterioration		P2 broken cover
Moderate. Most other footway areas. Cat 3	P4	P5 Inspector discretion for repairs	Moderate. Most other carriageway areas. Cat 3(b) and 4(a)	P3	P5 Inspector discretion for repairs	P4	P5	P4 loose or uneven covers
Minor. Negligible risk of interaction, particularly obscure or unused locations. Cat 4	P5	P6 Inspector discretion for repairs	Minor. Negligible risk of interaction, particularly obscure or unused locations. Cat 4(b)	P4	<b>P6</b> Inspector discretion for repairs	P5	P6	P5 cracked or noisy covers not providing an immediate danger

#### 2.4 Network Serviceability Inspections

Service inspections are primarily intended to identify deficiencies compromising the overall reliability, quality, comfort and ease of use of the network, from the users point of view. These mainly comprise more detailed inspections tailored to the requirements of particular highway elements to ensure that they meet requirements for serviceability. Service inspections for carriageways, footways and cycleways will generally be undertaken at less frequent intervals than safety inspections. These will be carried out as appropriate for the various functions as set out in Section 3 Policy and Standards.

#### 2.5 Network Sustainability Surveys

A regime of condition assessment surveys has been developed in accordance with the UK Pavement Management System protocols to meet the following objectives;

To comply with national legislation and any National Indicators.

To establish an objective measure of the current condition of the highway pavement asset.

To aid development of planned maintenance programmes.

Survey methods to reflect the different requirements of the network include:

- Skidding resistance
- Traffic-speed condition (SCANNER)
- 'Coarse Visual' surveys
- (i) A skid resistance survey will be carried on the principal roads (A roads) every 2 years (half of this class of road each year) with a reassessment of the Investigatory Level each time a road is surveyed. A detailed investigation will be undertaken where the skidding resistance of a site has fallen to, or is lower than the predetermined Investigatory Level for that site. Treatment should be prioritised if the skidding resistance is significantly below this level, or if the number of accidents or proportion of accidents in wet conditions, or that involving skidding, is greater than normal.
- (ii) A SCANNER (Surface Condition Assessment for the National NEtwork of Roads) survey will be carried out on the principal roads (A roads) every year and the non-principal classified (B and C roads) every two years.

Note: SCANNER is a machine survey carried out at traffic-speed and includes the collection and processing of road surface cracking data in addition to GPS location referencing and detailed measurement of transverse profile as well as measurements of longitudinal profile, surface texture and road geometry.

(iii) Coarse Visual Inspections (CVIs) will be carried out on unclassified roads every four years (a quarter of the network each year).

Sustainable treatments are looked at on a scheme by scheme basis. Noise reducing materials are used on highly trafficked roads that are in residential areas for example SMA and all plainings are recycled.

# **Section 3: Policy and Standards**

### 3.1 Carriageways

#### **Policy**

Haunching works are carried out to strengthen and repair the edges of the carriageway.

Funds for haunching will be allocated on a priority basis following a site assessment and taking into account the category of road.

Kerbs and Channels the purpose of kerbs is to protect pedestrians, to provide a channel for surface water and to support the edge of the carriageway. Apart from urgent repairs undertaken for safety reasons, kerbs or channels will normally be replaced in association with other carriageway or footway works. In all such works provision should be made for dropped kerbs to assist people with mobility handicaps or disabilities in accordance with current codes of practice and opportunities for installing vehicular crossings should also be afforded to adjacent occupiers.

**Joint Sealing** the object is to optimise the life expectancy of a carriageway by sealing its joints against ingress of water.

Joint sealing to be undertaken as funds permit with priority being given to category 2.3a and 3b roads.

• Highway defects once notified will be assessed . Any repairs identified as necessary will be programmed in accordance with the Royal Borough's adopted priority response times.

#### **Standards**

- Haunching will not normally be undertaken on kerbed roads.
- Haunching in unkerbed category 2,3a and 3b roads will normally only be undertaken as part of a reconditioning programme.
- Localised haunching (50m in length or less) may be carried out as part of Basic Structural Maintenance where it is considered necessary for safety reasons.
- Joints and cracks in carriageways of flexible construction to be sealed as required subject to the road not being included in a reconditioning or improvement programme.
- Due regard must be taken of the NRSWA 1991 procedures in respect of those reinstatements that are within the guarantee period and are still the responsibility of the Undertaker.
- Existing trenches or reinstatements which have a level difference greater than that identified in the code of practice in relation to the surrounding carriageway to be repaired with the priority to be determined in relation to the nature of the defect and in accordance with the Royal Borough's adopted priority response times.

- Minor Highway defects such as areas of minor crazing, fretting and isolated weak areas to be patched as a part of a patching programme, subject to the road not being included in a reconditioning or improvement programme.
- Resurfacing of category 2,3a and 3b roads will normally only be undertaken as part of a reconditioning programme.
- Resurfacing of category 4a and 4b roads should be considered where it is more economical to do so rather than undertake extensive patching or pothole repairs, subject to the road not being included in a reconditioning or improvement programme and subject to the budget available
- It is not possible to set standards for when carriageway reconditioning and surface treatments will be undertaken as the inclusion of a scheme in the carriageway reconditioning programme will depend on its assessed priority and on the budget available.
- Any covers, gratings or boxes which have a level difference greater than 25mm in relation to the surrounding carriageway to be re-set with the priority to be determined in relation to the nature of the defect and will be programmed in accordance with the Royal Borough's adopted priority response times.
- Manhole, inspection chamber, valve covers and the like which are defective in any way which are Utility Company apparatus to be reported to the responsible Utility company for action in accordance with approved procedures.
- If these are not made safe within 24 hours after the initial report the Council is to make safe the defect and recover its costs from the Utility Company concerned.

# 3.2 Footways and Cycleways

#### **Policy**

The object is to repair defective areas of footways and cycleways to provide a surface for pedestrians and cyclists which is free from hazardous defects. To ensure highway safety is maintained by undertaking continual programmes of pothole and patching repairs.

**Accessibility Improvements** the object is to provide dropped kerbs and tactile information where appropriate to ensure that the highway is accessible to all and that health and safety is maintained by providing tactile information.

**Footway Reconditioning** the object of reconditioning work is to restore the footway to its original standard.

Schemes for inclusion in the annual reconditioning programme will be decided on a priority basis in accordance with the results of condition and usage assessments.

#### **Standards**

• Footway Reconditioning It is not possible to set standards for when footway reconditioning will be undertaken as the inclusion of a scheme in the footway

reconditioning programme will depend on its assessed priority and on the budget available.

- Due regard must be taken of the NRSWA 1991 procedures in respect of those reinstatements that are within the guarantee period and are still the responsibility of the Undertaker.
- Existing trenches or reinstatements which have a level difference greater than that identified in the code of practice in relation to the surrounding area to be repaired with the priority to be determined in relation to the nature of the defect and in accordance with the Royal Borough's priority response times.
- Areas of minor crazing, fretting and bumps or depressions to be patched as part of a patching programme taking account of the reconditioning programmes.
- Footway Reconditioning Complete resurfacing should be considered where it is more economical to do so rather than undertake extensive patching or pothole repairs, subject to the footway or cycleway not being included in a reconditioning or improvement programme and subject to the budget available.

# 3.3 Public Rights of Way

All public rights of way in the Royal Borough are inspected on a three year rolling programme by the East Berks Ramblers on the Council's behalf. These inspections cover the following:

- Signposting off the road in accordance with section 27 of the Countryside Act 1968 and to the extent necessary to allow users to follow the path;
- Free from unlawful obstructions or other interference (including overhanging vegetation);
- Surface and lawful barriers (e.g. stiles, gates etc) in reasonable repair.

Defects that are reported to the Council, either through routine inspections or by members of the public, will be investigated and where they are deemed to pose a safety hazard they will be repaired in accordance with the priorities set out in the Council's Milestone Statement.

#### **Maintenance and enforcement**

- Obstruction to footways and footpaths shall not be permitted below 2.4m in height for the entire width of the footway/footpath;
- Obstruction to carriageways shall not be permitted between points 450mm beyond the kerb line and 5.3m above the highest point of the carriageway.
- Where necessary formal notice will be served on land owners under the appropriate statute should there be an obstruction adversely affecting a right of way.

- If they fail to respond the obstruction shall be removed and the costs incurred recovered. Prosecution under Section 137 of the Highways Act 1980 will also be considered, particularly for persistent offenders.
- When a bridge crossed by a right of way requires maintenance the Council's bridge specialists should be consulted to specify the works.
- Maintenance of and requests for new gates and stiles on public paths is dealt with under Section 146 and 147 of the Highways Act 1980. Gates should be capable of being opened from a mounted horse. New stiles or gates can be authorised where the land is to be used for agriculture or forestry and to prevent the ingress or egress of animals on both footpaths and bridleways. Barriers, rails and fences may also be provided to safeguard people using footpaths (Section 66(3) of the Highways Act 1980).
- All other powers open to the Highway Authority in relation to rights of way should be considered as necessary.
- All works carried out on behalf of the Highway Authority (including those undertaken by authorised volunteers) should comply with the Councils Rights of Way Practice Advice Notes applicable at the time.
- Improvements sought solely by owners of property served by rights of way can be authorised on the understanding that they carry out the works to an agreed specification at their own cost, and any maintenance thereafter to that improved standard would continue to fall on them.
- Maintenance of rights of way over and above the standards required for the level of public use where these rights of way are for example over 'private streets' or 'unadopted highways' shall be at the expense of the adjacent property owners.

# 3.4 Highway Drainage

# **Policy**

**Drainage and Ironware** the object of highway drainage is to ensure that water is removed from the highway as quickly as possible and is not allowed to pond or penetrate to the foundations of the road.

To undertake any necessary minor works to ensure that existing drainage systems continue to function to their full capacity and where funds are available to assess more major schemes individually for inclusion in a drainage maintenance/improvement programme.

**Drainage Cleansing** the object is to ensure that surface water is removed from the carriageway as quickly as possible by ensuring that all highway drainage is functioning efficiently.

To undertake the appropriate amount of drainage cleansing commensurate with achieving this objective.

Accumulations of water on carriageways, footways and cycleways can increase risks to the safety of highway users, or frontagers, particularly on high speed roads and when standing water exists in freezing

conditions. Displaced covers and frames can be a hazard to pedestrians and a potential hazard to drivers and cyclists. Damaged covers may collapse leaving a void in the highway.

An effective well maintained drainage system will meet the authorities' duty to prevent nuisance to adjoining landowners by flooding Pollution of roadside watercourses can occur due to contaminated run off from carriageways.

# **Standards**

- Drainage defects such as collapsed, damaged or missing manholes, catchpits and gullies once notified will be assessed in accordance with approved procedures. Any repairs identified as necessary will be programmed in accordance with the Royal Borough's adopted priority response times.
- Drainage defects such as damaged, broken, or missing gratings and frames which could constitute a hazard to users of the highway once notified will be assessed in accordance with approved procedures and made safe. Any repairs identified as necessary will be programmed in accordance with the Royal Borough's adopted priority response times.
- All gullies, kerb weirs and other drainage channels on highways to be cleansed at least once per annum and other drainage channels as necessary

Highway drainage systems are installed to capture surface water run-off to reduce flooding and protect the fabric of the road.

- Blocked or broken pipework to be remedied when a problem is identified.
- Additional gully cleansing to deal with problem areas to be undertaken as required subject to available budget and other drainage channels as necessary
- Any highway drains which are not discharging to be jetted to attempt to remove the blockage.
- Where blockages are not resolved by jetting these shall be investigated and remedied as required subject to available budget.
- Culverts, manholes and catchpits to be cleansed regularly on a priority basis.
- Soakaways to be checked and cleansed as necessary at least every 5 years.
- Grips to be inspected and cleansed or recut as necessary.
- Highway ditches to be cleansed regularly to ensure the efficient functioning of highway drainage systems and to prevent structural deterioration occurring to the fabric of the highway.

# 3.5 Embankments and Cuttings

# **Policy**

The object is to preserve the stability of slopes in embankments and cuttings which are part of the highway, including where appropriate, deep ditches.

To implement any measures necessary to maintain highway safety in the event of a problem arising with regard to the stability of a slope.

#### **Standards**

- Repairs to slopes to be undertaken on a priority basis as necessary following geotechnical investigations into the cause of the problem.
- Where slopes, etc. in private ownership represent a hazard to the adjacent highway emergency action is to be arranged to make the site safe in accordance with the Royal Borough's priority response times, followed by full repair as part of a works programme following consultation with the owner of the adjacent land.
- Significant embankments and cuttings will be subject to a visual inspection at least every two years. A more detailed specialist geotechnical survey will be arranged if necessary.
- Damage or loss of habitat;
- Interruption or pollution of watercourse
- Extent of damage and reduced life.
- Significant embankments and cuttings will be subject to a visual inspection at least every two years. A more detailed specialist geotechnical survey will be arranged if necessary.

# 3.6 Landscaped areas and Trees

# **Policy**

The object is to maintain safety, to prevent highway trees from obstructing sight lines, traffic signs and street lights and to prevent encroachment onto both footways and carriageways and prevent damage to third party property.

To promote the safe and healthy growth of highway trees whilst achieving this objective and to ensure that adjoining landowners deal with all matters that are their responsibility, which may affect the highway.

- To prevent damage or injury occurring from failure of a tree or part of it;
- To prevent encroachment onto footways, cycleways and carriageways;
- To prevent highways trees from obstructing sight lines, traffic signals, traffic signs and street lights;

#### **Standards**

- All trees on the adopted highway or on land maintained by the Highway Authority should be inspected by an arboriculturist once every five years. This is a default period, which may be reduced on the advice of an arboriculturist All 'highway trees' to be inspected annually taking note of any encroachment or visibility obstructions and any obvious damage, obvious ill health or trip hazards. Where a problem is identified, the advice of an arboriculturist may be sought. Problems identified to be dealt with as necessary, either by the Council or referring the problem to the landowner where appropriate.
- Trees, hedges and shrubs which are the responsibility of the Highway Authority are only to be felled or pruned when necessary to abate, an actionable nuisance, to comply with a statutory obligation or for health and safety reasons. Further details can be found in the 'Tree Management Guidelines' in the Royal Borough's 'Tree and Woodland Strategy 2010-2020'.
- Owners of private hedges and trees to be required to control hedge and tree growth to prevent obstruction on footways and carriageways and ensure appropriate visibility is maintained;
- Obstruction to footways and footpaths shall not be permitted below 2.4m in height for the entire width of the footway/footpath.
- Obstruction to carriageways shall not be permitted between points 450mm beyond the kerb line and within 5.3m above the highest point of the carriageway.
- Ensure that adjoining land owners deal with all matters that are their responsibility, which may affect the highway.
- In cases where an important amenity tree is within clearance distances, the wider environmental considerations shall be assessed against the risk as to whether a minor encroachment can be allowed. This will particularly be the case where tree stems are within 450mm of the kerb line;
- Trees removed shall be replaced where feasible;
- Alterations to the highway will seek to avoid impact on trees/landscape where possible and include mitigation where necessary. In the case of new schemes, the advice of an arboriculturist shall be sought.

# 3.7 Grass Cutting

# **Policy**

**Urban Grass Cutting** the object is to ensure that the length of the grass on areas of highway does not become such that it obstructs, sight lines and traffic signs. To undertake the minimum number of cuts commensurate with maintaining the grass height between 25mm and 75mm.

**Rural Grass Cutting** the object is to maintain safety, to prevent obstruction of sight lines and traffic signs, to inhibit the growth of injurious weeds and to conserve the wildlife.

To undertake the minimum amount of cutting consistent with maintaining highway safety and to conserve fauna and flora at sites of special scientific interest, cutting the grass to between 75mm and 100mm high.

To manage other areas of verge where appropriate to encourage the growth and survival of local fauna and flora.

Grass is cut for safety purposes to maintain visibility for highway users and to ensure that road and footway widths are not reduced by overgrowing vegetation. In areas where no footway exists there may be a need to provide a safe refuge on the highway verge for pedestrians, particularly on busy roads.

#### **Standards**

• Visibility splays and lines of sight to receive additional cuts as necessary to ensure these give maximum visibility at all times.

Grass cutting in urban areas, and on housing estates, is carried to condition standards specified for safety, but additional cuts are carried out for amenity purposes.

- The whole width of all adopted highway verges to be cut a maximum 15 times per year.
- Grass cuttings to be cleared from adjoining hard surfaces, kerblines, channels and mowing margins after mowing.
- Verges divided by a footway will have the whole of the verge between the footway and the kerb cut plus a single swathe width beyond the footway.
- To undertake the minimum amount of cutting consistent with maintaining highway safety and to conserve fauna and flora at sites of special scientific interest, cutting the grass to between 75mm and 100mm high.
- A single swathe width to be cut a minimum of three times per year on all rural verges except at sites of special scientific interest.
- Sites of special scientific interest and other verges which are naturalised to be cut at times when appropriate to do so (i.e. when local flora has flowered and set seed).

# 3.8 Weed Control

#### **Policy**

The object is to inhibit the growth of various plants (as listed in the Injurious Weeds Act 1959) on the highway and to eradicate all plant growth on paved areas to prevent structural damage to the fabric of the highway.

To achieve this objective with the minimum use of chemicals and using only pesticides approved by the Ministry of Agriculture, Fisheries and Food and the Environment Agency for highway maintenance purposes.

Weed growth can impair safety for highway users by reducing available road and footway widths. The Weeds Act 1959 lists a number of weeds which can be injurious to human and animal health. It places a duty on controllers of land to eliminate the following scheduled weeds from their land to prevent seeds contaminating their neighbour's land:

- · Spear thistle;
- Creeping or field thistle;
- · Curled dock:
- Broad leaf dock;
- Common ragwort.

The Wildlife and Countryside Act 1981 specifies control of certain plants such as giant hogweed or Japanese knotweed. The Ragwort Act 2003 and associated code of practice gives further information on treating the growth of this weed. The following legislation controls the use of herbicides:

- Food and Environment Protection Act 1985
- Control of Pesticide Regulations 1986
- Health and Safety at Work Act 1974
- Control of Substances Hazardous to Health Regulations 1988

#### **Standards**

• Weeds can cause structural damage to the fabric of the highway, disrupt drainage, obstruct pedestrians and look unsightly.

Additional treatments of weed growth for amenity purposes may be undertaken subject to the above policy, and the budget available.

- Weed growth on paved areas to be treated twice per annum using nonresidual weed killers.
- Noxious weeds to be dealt with as necessary on an ad-hoc basis.

# 3.9 Safety Fences, Edge Markers and Boundary Fences

# **Policy**

# Safety Fences, Edge Markers

The object is to maintain safety fences and edge markers in a sufficiently sound structural condition to serve their function and not be dangerous to road users or pedestrians. Safety fences, barriers and edge markers provide separation for traffic and vulnerable road users from each other and other hazards such as watercourses and the edge of the carriageway.

To undertake the minimum amount of maintenance commensurate with achieving this objective.

# **Boundary Fences**

The object of boundary fences which are a highway authority responsibility is to define the highway boundary to define the tops of embankments and to prevent animals etc. from straying on to the highway.

To only undertake maintenance when necessary to maintain highway safety.

### **Standards**

# Safety fences

Tensioned safety fences to be inspected whenever repairs are carried out, with regard to loose tensioning bolts. Safety fences and guard rails on category 2 and 3 roads to be cleaned where they are being used in lieu of chevron warning signs where necessary in the interests of road safety.

Damaged safety fences should be made safe within 3 hours of being notified. A full repair to be undertaken following procurement of the appropriate barriers with a timescale to be determined in relation to the nature of the defect.

Safety fences are to be painted as necessary on a priority basis.

#### **Pedestrian barriers**

Damaged pedestrian barriers should be made safe as necessary. A full repair to be undertaken following procurement of the appropriate barriers with a timescale to be determined in relation to the nature of the defect.

Pedestrian barriers within Town Centres and other high amenity areas to be inspected annually for condition and appearance.

Guard rails within Town Centres and other high amenity areas to be 'touched in' or repainted. Pedestrian barriers are to be painted as necessary on a priority basis.

# Other fences including boundary fences

In most cases this fencing will be owned by the adjacent property owner. The owner will be contacted where possible and be requested to make the fence safe. If the owner cannot be contacted will be made safe on an ad-hoc basis to achieve the aim of the adopted policy.

Safety fences, barriers and edge markers need to be kept in a sufficiently sound structural condition to serve their function and not be dangerous to road users or pedestrians.

Fences and barriers in poor repair may be detrimental to the appearance of environmentally sensitive areas. Appropriate designs of barriers should be used in such areas. Breaches in boundary fencing may lead to the risk of stock escaping onto the highway

# **Edge Markers**

Edge markers to be cleaned as necessary in the interest of road safety. Damaged edge markers should be made safe as necessary. A full repair to be undertaken following procurement of the appropriate barriers with a timescale to be determined in relation to the nature of the defect.

# 3.10 Road Markings and Studs

#### **Policy**

**Road Markings** The object is to ensure that the information given by carriageway markings is clearly visible by day and night particularly in respect of mandatory and warning markings.

To undertake all necessary maintenance to achieve this objective as the provision of adequate road markings is an essential part of the campaign to reduce the number of road traffic accidents.

**Road Studs** The object is to assist motorists by defining carriageway lanes and edges at night and in conditions of poor visibility.

To maintain all existing reflective road studs to a standard commensurate with this objective

Road markings and studs assist in defining carriageway markings, lanes and edges in darkness and in conditions of poor visibility, particularly in respect of mandatory and warning markings. Loose road studs can present a hazard to road users. Edge markings can reduce damage to carriageway edges.

### **Standards**

Mandatory markings and junction markings to be inspected at the same frequencies as the safety inspection system.

Road markings on category 2,3a and 3b roads to be inspected every year during the hours of darkness.

On category 4a and 4b roads non-mandatory longitudinal warning lines to be renewed when more than approximately 50% of their area becomes ineffective or worn away.

All road markings other than those listed above to be renewed on all categories of road when more than approximately 50% of their area becomes ineffective or worn away.

Road studs should be inspected every 2 years during the hours of darkness.

Road studs to be replaced when more than approximately 20% of those within a drivers vision are defective or missing, subject to the road not being included in a reconditioning or surface dressing programme.

# 3.11 Traffic Signals, Pedestrian and Cycle Crossings

# **Policy**

**Traffic Signals, Pedestrian and Cycle Crossings** The object is to keep the signals in correct and efficient operation at all times. To provide appropriate tactile information that is essential for pedestrian safety. To undertake all necessary works to achieve this objective as it is essential for road and pedestrian safety.

**Zebra Crossings** To undertake all necessary works to achieve this objective as it is essential for road and pedestrian safety. To provide appropriate tactile information that is essential for pedestrian safety.

#### **Standards**

# **Traffic Signals, Pedestrian and Cycle Crossings**

- Urgent faults to be attended to within 3 hours of being notified, full repairs being made within 48 hours.
- Individual lamp failures to be replaced within 48 hours of being notified
- External inspection for alignment of heads, cleansing of lenses and examination for damage to be undertaken every 12 months.
- All lamps to be bulk changed every 12 months.
- A detailed functional check and electrical examination, including phasing, to be undertaken annually in line with periodic inspection schedule or when a fault is suspected.
- Full electrical insulation and earth impedance tests to be undertaken every 5 years, or in line with the latest Industry standards should they change.
- Non-urgent faults to be attended to within 48 hours of being notified, full repairs being made within 72 hours.

## **Zebra Crossings**

- Pedestrian crossings to be inspected for illumination every month.
- Individual lamp failures to be attended to within 24 contract hours of being notified and made safe.
- All lamps to be bulk changed every 3 months.
- A detailed functional check, including beacon control mechanism, and electrical examination to be undertaken annually or when a fault is suspected.
- Full electrical insulation and earth impedance tests to be undertaken every 3 years.
- Electrical faults to be repaired with the priority to be determined in relation to the nature of the defect but in any case within 5 working days

# 3.12 Non-illuminated Traffic Signs and Bollards

# **Policy**

The object is to keep all traffic signs legible and visible from as far as possible at all times in relation to the road use and traffic speeds

To undertake all necessary maintenance to achieve this objective as the provision of adequate signing is an essential part of the campaign to reduce the number of road traffic accidents.

- Identification of risk to users:
- Indication of mandatory and statutory manoeuvres and restrictions;
- Separation of potential traffic conflicts
- Heavy traffic routing can optimise highway maintenance;
- · Can contribute to the local economy;
- Support of sustainable transport modes.

#### **Standards**

- Sign cleaning on category 2,3a and 3b roads only to be undertaken when necessary in the interests of road safety.
- All signs to be inspected for general condition once per annum.
- Signs on category 2,3a and 3b roads to be inspected every year during the hours of darkness.
- Signs on category 4a and 4b roads to be inspected every 2 years during the hours of darkness.
- Damaged or missing signs to be repaired or replaced with the priority to be determined in relation to the nature of the defect.

# 3.13 Street Lighting, illuminated Traffic Signs and Bollards

#### **Policy**

**Street Lighting** The object is to maintain an appropriate level of illumination keeping energy consumption to a minimum and to protect the capital investment in street lighting equipment. To undertake the minimum amount of maintenance commensurate with achieving this objective, using the most energy efficient lamps and equipment.

**Traffic Signs and Bollards (Illuminated)** The object is to ensure that all illuminated signs and bollards are legible by day and night. To undertake all necessary

maintenance to achieve this objective as the provision of adequate signing is an essential part of the campaign to reduce the number of road traffic accidents.

Street lighting is provided to meet the duty of care role the authority has to provide road safety benefits to all users, support the integrated transport network agenda, public amenity and crime reduction.

Street lighting needs to be kept in good operating order and sound structural condition to serve their function and not be dangerous to road users or pedestrians

Cyclical maintenance intervals for lighting installations should be determined to ensure the installation's correct operation and light output, minimize failures and maximize life.

Street lighting in poor repair may be detrimental to the appearance of environmentally sensitive areas. Use of appropriate columns should be used in such areas.

#### **Standards**

- Defects which could be dangerous to be attended to within 3 hours of being notified and made safe.
- Electrical faults to be repaired in line with those stated in the contract with the priority to be determined in relation to the nature of the defect.
- Damaged columns to be replaced in line with those stated in the contract with the priority to be determined in relation to the nature of the defect.
- A detailed electrical check to be undertaken annually or when a fault is suspected.
- Full electrical insulation and earth impedance tests to be undertaken every 3 years.
- Lamp columns to be checked for structural integrity and condition every 5 years
- Street lights to be inspected for illumination monthly during the hours of darkness.
- All lamps to be bulk changed at regular intervals according to lamp life characteristics.
- Generally metal lamp columns to be 'touched in' or repainted as necessary when required.
- Metal lamp columns in high amenity areas to be 'touched in' or repainted as necessary annually in the spring.

# 3.14 Bridges and other Highway Structures

# **Policy**

**Bridges and other Highway Structures** Bridges and highway structures need to be maintained to such a standard that structural inadequacy does not affect the use of the highway network, the safety of all users of the highway is reasonably assured and the condition of the structure does not compromise the amenity of the area in which it is located.

**Bridge Inspections** The purpose of regular bridge inspections is to check the condition of all structures and identify any deficiencies that require attention. To ensure that all defects of a safety nature or that put the structural integrity of the structure at risk are repaired or made safe as soon as is reasonably practicable.

General inspections of all elemental:

**Minor Structural Maintenance** The object is to ensure that all structures are maintained so that their continued performance in service without loss of safety and efficiency is assured.

To undertake all necessary works to achieve this objective, unless the bridge or culvert is programmed for renewal or strengthening wizen only the minimum of maintenance consistent with safety will be carried out.

**Major Structural Maintenance (Strengthening)** The object is to accommodate 40 tonne vehicles on all strategic routes and all local routes which serve the particular needs of local industry.

To assess existing bridges to identify the need for strengthening and replacement in order to meet this objective and to undertake a rolling programme of bridge strengthening and replacement in order of priority.

#### **Standards**

Special inspections to be carried out as follows:

- When necessary to investigate a specific problem or if a particular problem has been identified on other similar structures:
- When a structure has to carry an abnormal heavy load if assessment calculations indicate that the margin of safety is below that which would be required for a design to current standards or if similar loads are not known to have been carried before. Inspections should be undertaken before, during and after the passage of the load;
- If unexpected settlement is observed;
- To check river bridge foundations during principle inspections. Where probing indicates the possibility of scour, further underwater inspections should be carried out;

- To investigate possible structural damage after major accidents or fires adjacent to structures.
- Defects which cause a hazard to users of the highway to be made safe within 3 hours of being notified followed by repair as soon as reasonable practicable.
- Principal inspections for all structures to be carried out at intervals not exceeding nine years.
- Iron and steel work of structures to be painted in a periodic works programme, the frequency of which will be determined by local conditions and the results of inspections.
- All bridges to be assessed with assessments being carried out in road category order.

Special inspections to be carried out as follows:

- To investigate possible structural damage after major accidents or fires adjacent to structures.
- Non-urgent minor structural maintenance to be assessed on a priority basis taking account of the road category, the structural importance of the element of the bridge that is affected and the severity of the defect. The inclusion of works in the minor maintenance programme will depend on their assessed priority and the budget available.
- The bridge strengthening and replacement programme to prioritised taking account of the road category, the availability and suitability of alternative routes and the carrying capacity, condition, estimated future life span and maintenance costs of the bridge.
- The inclusion of a structure in the bridge strengthening programme will depend on its assessed priority and on the budget available.

#### 3.15 Sweeping and Street Cleansing

#### Policy

There are four main purposes of sweeping and street cleansing:

- To remove debris from the channels in order to prevent surface water ponding, and an excess of detritus being washed into gullies.
- To remove loose material or deposits that could present a hazard to highway users. To remove or treat moss where it is identified as a safety hazard on the footway
- To maintain a clean and tidy environment and ensure the general cleanliness of the highway network.

The first and third objectives should be achieved in order to meet statutory requirements under the Environmental Protection Act, and the second to maintain highway safety, when necessary on an emergency basis only.

#### **Standards**

- Emergency sweeping and cleansing to be undertaken only when immediate action is required to remove deposits or spillages to maintain public safety.
- Footways and adjacent areas at shopping parades to be cleaned and litter removed at least once a week.
- All outer urban roads and rural roads will be swept and litter removed at least 8 times a year.
- Fly-tipping to be removed from the highway as soon as practicably possible.
- Litter complaints to be responded to promptly in accordance with the corporate policy.
- Within these designated Category 1 areas, the Contractor shall Sweep and De-Litter so as to achieve Grade A standard by 08:30hrs each morning."
- In the event that roads within these areas fall to grade "B" or below, they shall be restored to Grade "A" within one (1) hour, and thereafter maintain a standard better than Grade "B" at all other times, until 20:00hrs in Windsor town centre and until 19:00.
- Litter bins will be emptied as necessary to prevent them overflowing in Windsor and Maidenhead town centres. All other bins will be emptied at least once a month.

# 3.16 Verge Maintenance

# **Policy**

The object is to maintain verges to facilitate grass cutting, to provide a safe refuge for pedestrians where there are no footways, to prevent the encroachment of verge soil and growth onto paved areas and so far as possible to minimise damage caused by improper use, particularly by vehicles

To undertake the works necessary commensurate with achieving this objective, taking into consideration the likely cause of the need for maintenance

#### **Standards**

- Verge repairs should only be carried out on a priority basis as determined by a site inspection and may include minor measures to prevent reoccurrence of damage where appropriate.
- Siding of footways and cycleways should be carried out where required to maintain their width.
- Carriageway siding of unkerbed roads should be undertaken where necessary and prior to renewal of edge of carriageway markings

# 3.17 Pumping Stations

# **Policy**

The object is to ensure that the highway does not flood by pumping surface water to a suitable outfall in places where there is no natural point of discharge. To undertake all necessary maintenance commensurate with achieving this objective

#### **Standards**

- Defects which could be dangerous to be attended to within 4 hours of being notified and made safe.
- Faults to be repaired with the priority to be determined in relation to the nature of the defect but in any case within 20 working days (4 weeks).
- A general inspection to be undertaken monthly to ensure continued satisfactory operation of pumping stations.
- A detailed electrical and mechanical check to be undertaken annually or when a fault is suspected.

# 3.18 Highway Encroachments And Obstructions

The Council has a responsibility to keep public highways open and remove obstructions and encroachments which may affect the use and safety of the highway.

This policy covers the regulatory matters relevant to this responsibility, which include issues such as obstructions, encroachments, highway obstructions and licences related to permitted activities on the highway.

# **Policy**

The Council shall take any necessary measures to ensure that the public maintained highway is safe to use and be enjoyed by the public.

# **Encroachments on the Highway**

Any encroachment on the public highway is preventing the legitimate use of the highway and whenever an encroachment has taken place on the public highway measures shall be taken by the Authority to remove the encroachment. (Or if appropriate and the land is considered surplus to highway requirements the extinguishments of Highway Rights may be pursued under Section 116 of the Highways Act 1980.)

Whenever an encroachment is suspected on the public highway, the Authority shall carry out a status check to determine the exact limits of the highway thereby establishing whether an encroachment has occurred.

#### Removal of obstructions

Obstructions on or over the highway prevent the legitimate use of the highway and are a potential safety hazard for road users and measures shall be taken by the Authority for the removal of the obstruction.

Obstructions on the highway take various forms and the most commonly encountered occurrences are as follows.

Items placed on the highway causing an obstruction (unauthorised signs, erections, materials or trading booths).

The Council shall serve notice under the appropriate section of the Highways Act to deal with the removal of the obstruction.

#### Overhanging trees and hedges

The Council shall serve a notice under Section 154 of the Highways Act 1980 on the owners of overhanging hedges and trees requiring that they are cut back to provide the necessary clearance and abate any nuisance.

# **Unauthorised Signs on the Highway**

It is necessary to place signs on the highway to give information and direction to the road user in the interests of road safety and mobility. These signs, for highway purposes, are placed under statutory powers and regulations are in place in relation to the type and positioning of these signs.

# **Policy**

The Council has no power to authorise any signs placed on the highway other than for highway purposes and shall invoke its powers under section 132, 137 and 143 of the Highways Act 1980 to remove unauthorised signs.

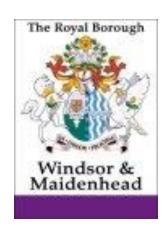
# Royal Borough of Windsor and Maidenhead

# **Operations Directorate Highways & Transport**

# HIGHWAY SAFETY INSPECTION MANUAL (HSIM)

Highways & Transport
Operations Directorate
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# **Abbreviations**

The following abbreviations are used in this plan:

EToN Electronic Transfer of Notices

NRSWA New Roads and Street Works Act

SUSTRANS A Charitable organisation that administers The National Cycle Network

WERR Windsor and Eton Relief Road

COP Well Maintained Highways - Code of Practice for Highways

Maintenance Management

#### **Section 1: Introduction**

#### 1.1 Introduction

This document forms part of the Royal Borough of Windsor and Maidenhead's Highways Asset Management Plan and describes the procedures for carrying out Highway Safety Inspections and sets out consistent investigatory levels to be applied across the road network for assessing the occurrence of safety defects with the highway boundary.

Motorway and All Purpose Trunk Roads that pass through the Royal Borough's geographical boundary are the responsibility of Highways England and their Agents and as such are outside the remit of this policy.

The responsibility for maintaining private streets rests with the landowner or frontagers and as such is outside the remit of this policy.

# **The Inspectors Duties**

Inspectors should carry out scheduled inspections of the adopted highway in accordance with the frequencies set out in Section 2. They also carry out ad hoc inspections in response to Customer Contacts and Adverse Weather events.

### **Systems**

The Council uses Pitney Bowes Confirm software for recording inspections and Highway asset data, QGIS for its mapping requirements and Agresso for its financial records. We are currently carrying out assessments to enable mobile working using handheld technology.

# **Recording Defects**

Inspectors where appropriate will mark up defects on site or will photograph the site to assist contractors in the location and identification of an area for repair works. Photographs may also be used for before and after comparisons following repair works for quality control purposes.

#### **Works Order**

All Works Orders to both internal and external contractors are issued via the Confirm system. This function is currently office based but will be site based following changes to allow mobile working. Works orders will normally be raised the same day a defect is recorded or as soon as is reasonably practicable.

#### **Customer Enquiries**

All highway maintenance related customer contacts are logged onto Confirm and issued to the area inspector for site inspections and action where appropriate.

# 1.2 Legislation

Under Section 41 of the Highways Act 1980 the Council as a Highway Authority has a statutory duty to maintain a public highway in a safe manner for all users. Neglecting this duty can lead to claims against the Council for damages resulting from a failure to maintain the highway.

Under Section 58 of the Highways Act 1980, the highway authority can use a special defence in respect of action against it for damages for non-repair of the highway if it can prove that it has taken such care as was reasonable. Part of the defence rests upon:

"Whether the highway authority knew, or could have reasonably expected to know, that the condition of the part of the highway to which the action relates was likely to cause danger to users of the highway"

This is where highway authorities have to show that they carry out highway inspections in accordance with their policies and national guidance. Highway inspection reports are part of the evidence used to show that the highway authority has acted reasonably.

The highway authority must also record all customer reports of highway defects, however not all defects which the authority becomes aware of by inspection or customer report need to be repaired.

Statutory Undertakers have a duty to maintain their apparatus in the highway (New Roads and Streetworks Act, Section 81) but it has been established that they can rely on the highway authority's safety inspection to some extent when defending claims. To avoid the possibility of the Council becoming jointly liable in a claim resulting from an incident involving Statutory Undertakers apparatus, any defect identified must be faxed, emailed or notified via EToN to the appropriate Undertaker within 24 hours, or as soon as practically possible after the defect has been identified.

# 1.3 Purpose of Safety Inspections

Inspecting the highway allows the Council to identify and take action to remove those hazards causing danger to highway users. The inspections also help to develop longer term planned maintenance programmes to help deliver the Highway Asset Management Plan.

Safety inspections are designed to identify all defects likely to create danger or serious inconvenience to users of the network or the wider community. This includes defects that require urgent attention (within 24 hours) as well as those where the location and reduced level of severity is such that a longer response time is acceptable, or confirm that no repair is needed.

Highway Safety Inspections also:

- Identify defects which should be repaired as part of a maintenance programme to arrest further deterioration and avoid more serious problems developing.
- Demonstrate a structured inspection regime, which can provide evidence for the Highway Authority to defend claims.

# **Section 2: Network Hierarchy and Inspection Frequency**

A network hierarchy is the foundation of the maintenance strategy and safety inspection regime. The hierarchy adopted by the Royal Borough reflects the needs, priorities and actual use of each road in the network.

The Highway Safety inspection regime has been developed with reference to the COP.

# 2.1 Carriageways

Carriageways adopted as publicly maintainable are to be inspected in accordance with the following frequencies:

Category Name	Category	Inspection Frequency	Method of Inspection	Maximum Interval between Inspections
Strategic Route Principal A roads between Primary Destinations	2	1 month	Driven	6 weeks
Main Distributor Other A and heavily trafficked B roads	3a	1 month	Driven	6 weeks
Secondary Distributor Other B and C roads	3b	3 months	Driven	16 weeks
Link Road Local through routes, main estate roads and all other bus routes	4a	6 months	Driven	30 weeks
Local Access Urban and Rural unclassified side roads	4b	12 months	Driven	60 weeks

# 2.2 Footways

Footways adopted as publicly maintainable are inspected in accordance with the following frequencies:

Category Name	Category	Inspection Frequency	Method of Inspection	Maximum Interval between Inspections
Prestige Walking Zone				
Prestige Shopping Area	1a	2 weeks	Walked	4 weeks
Primary Walking Route Busy Shopping Parade areas and Busy urban areas	1	1 month	Walked	6 weeks
Secondary Walking Route Medium usage through local area and outside local shops and schools	2	3 months	Walked	16 weeks

Link Footway Local access through urban area and busy rural footways	3	6 months	Walked	30 weeks
Local Access Footway Low usage estate roads	4	12 months	Walked	60 weeks

# 2.3 Cycleways

Cycleways adopted as publicly maintainable will be inspected, in accordance with the following frequencies:

Catagory Namo	Catagory Nama Catagory	Inspection	Method of	Maximum Interval
Category Name	Category	Frequency	Inspection	between Inspections
Part of Carriageway	Α	As for carriageway	Driven	Same as adjacent
				carriageway
Part of Shared use	В	As for footway	Cycled or	Same as adjacent
Footway			Walked	footway

Any Cycle tracks that are not part of the adopted public highway are not included within any inspection regime e.g. off road SUSTRANS routes.

In the case of highway surfaces being obscured by flood water or snow to such an extent that an inspection cannot take place during the maximum interval an inspection will be carried out as soon as possible after the obstruction has cleared and resources become available.

# **Section 3: Safety Inspections**

# 3.1 Procedure / Method

Highway safety inspections focus on the recording of defects that are deemed to pose a hazard but not at the expense of the inspector's own safety or that of others using the highway.

The safety of all road users must not be compromised when carrying out the inspection and the list given under the headings Vehicle Inspections and Inspections on Foot details the practice to be adopted. Where an inspector feels that the procedures given do not give sufficient protection at specific locations they should inform their manager.

The Inspector is responsible for carrying out and recording all scheduled Highway safety inspections. This includes a good description of the location for every item recorded in sufficient detail to enable all other parties involved a reasonable chance to locating its position and using known abbreviations.

Highway Safety Inspections should be avoided during the hours of darkness/dusk or under conditions of poor visibility, e.g. snow, fog, heavy rain.

Carriageway and cycleway inspections can be undertaken on foot if the associated footway is being inspected at the same time.

# 3.2 Driven Inspections

Driven inspections are always be carried out by two inspectors in a suitable vehicle and at a speed that enables defects to be spotted. The guidance speed is 25mph, although this is not always possible, particularly on unrestricted dual carriageway. Driven inspections of the A332 Royal Windsor Way and A335 WERR Slough Spur will usually be undertaken at prevailing traffic speeds.

One inspector will drive and the other will be looking for defects. The driver is not expected to be actively looking for and recording defects. The name of both inspectors must be recorded for insurance purposes.

Class A high visibility jackets must be worn whenever inspectors alight from the vehicle. When necessary to stop it is preferable to park the vehicle off the carriageway. If this cannot be achieved and the vehicle must be stopped on the carriageway then there should be clear visibility in both directions, the light bar should be switched on, and moving vehicles should not be forced to cross solid centre line road markings.

#### 3.3 Walked Inspections

Walked inspections are carried out by one inspector who will walk down one footway surveying that footway and the adjoining carriageway to the centreline, then walk the opposite footway in the alternative direction repeating this process.

High visibility jackets to Class A must be worn where the footway is narrow or not continuous and part inspections involves walking on a verge or carriageway.

#### 3.4 Associated Matters

- a) Formalised pedestrian crossing points should have the same safety defect standards as those defined for the adjacent footways.
- b) Uncontrolled pedestrian crossing (dropped kerbs and tactile slabs) should be treated as footway and the intervention levels for these areas will be the same as for footways.
- c) Parking bays within the highway should be treated as carriageways with the intervention levels for defects being the same as those for carriageways. This means that parking bays located along a road will not require an enhanced regime; however areas where there is a higher than average footfall, such as shopping parades which include parking will be risk assessed to review inspection regimes.
- d) Cycleways within the highway should be treated as carriageway or footway, depending on their location, with the intervention levels for defects being the same as those for the carriageway or footway.
- e) Fences and barriers A visual inspection of all Highway fences, pedestrian barriers and safety fences will be undertaken during routine highway safety inspections. Any obvious damage to tensioned restraint barriers should be recorded and details reported to the Structures Team as soon as possible.
- f) Road markings and Non-illuminated traffic signs A coarse assessment of the overall condition of signs, road markings and studs will be made at each carriageway safety inspection.
- g) Due to the impracticability of carrying out detailed inspections, manhole and utility covers will not be subject to any specific inspection beyond a visual check as part of the scheduled regime. Where practical ironwork within footways in hierarchy category 1a and 1 will be stepped on to ensure its stability. Whilst the following fall within other maintenance and inspection regimes the Highway Inspector is expected to note and report any potential hazard during a Safety Inspection;
- i) Street Lighting columns, illuminated signs and Traffic Lights missing covers or panels, exposed wiring, damaged / defective / displaced or missing traffic signals shall be recorded and details passed to the Electrical Team as soon as possible.
- ii) Highway Trees The Council has a Duty to ensure that all trees growing on or within falling distance of the highway do not pose a danger to Highway users. Therefore a basic visual inspection will be included in highway safety inspections. Trees will be inspected at the same time as the footway to which they are adjacent. If the tree is not adjacent to a footway the carriageway inspection regime will be used. Should a basic visual inspection raise concerns with trees the information must

be passed to the Arboriculture Team so that an appropriately trained inspector can investigate within 28 days of notification.

- iii) Bridges and Retaining walls surface cracks or potholes in the surface of an overbridge should be identified and recorded as per adjacent carriageway and footways. Any obvious damage to a bridge or retaining wall parapet should be recorded and details reported to the Structures Team as soon as possible
- iv) Railway Level crossing Carriageways, cycleways and footways and other highway features between the STOP road markings, traffic warning lights, barriers & associated

signs are the responsibility of Network Rail. Although the Council is not responsible for safety inspections between the STOP markings, any potential safety defect identified during safety or any other inspections will be reported to Network Rail as soon as possible.

#### **Section 4: Defects**

All observed defects that are deemed to pose a safety hazard to highway users are recorded. The level of response is determined with reference to the Risk Response Matrix (see 4.1) together with inspector judgement. Inspectors have full discretion to escalate the response if they consider it necessary given the character of the defect and its location.

The Defect Assessment Risk Matrix below provides guidance to inspectors on the evaluation of particular defect types and locations.

Depressions are generally identified as a sunken bowl type defect with no defined edge. Whether a depression is an actionable safety defect will be determined on a case by case basis by the inspector with particular reference to the Defect Assessment Risk Matrix.

	Potholes and general surface defects			Potholes and general surface defects						Manholes, stopcocks
	lecognised pedestrian areas, footways and marked cycle lanes.			Carriageway		Verge erosion	Depressions	covers. Gullies		
Risk of interaction with pedestrians (f/way)	>= 25mm	< 25mm  Likelihood of worsening in short term e.g. advanced local crazing likely to pothole.	Risk of interaction with vehicle (c/way)	>= 40mm	<40 mm  Likelihood of worsening in short term. Advanced local crazing likely to pothole.	Road edge breaking away so as to be potentially hazardous. >100 mm depth adjacent to f/way edge >150 mm depth adjacent to c/way edge	Sunken bowl type defect with no defined edge determined on a case by case basis.  Investigatory levels are >50mm depth and <300mm in width.	If not RBWM, these are referred to the utility companies with P1 and P3 made safe in the meantime.		
Extreme. In a town centre or a main footfall area Cat 1a	P2	P4 Inspector discretion for repairs where there is	Extreme. In line with vehicle path of very high traffic flow. Cat 2	P2	P4 Inspector discretion for repairs where there	P3 Inspector discretion for repairs where there is	P4	P1 Cover missing/dislodged		
Major. Adjacent to main areas of footfall in vulnerable areas. Cats 1 & 2	P2	evidence of short term deterioration	Major. Adjacent to vehicle path in area of very high traffic flow. Cat 3(a)	P2	is evidence of short term deterioration.	evidence of short term deterioration	P4	P2 broken cover		
Moderate. Most other footway areas. Cat 3	P4	P5 Inspector discretion for repairs	Moderate. Most other carriageway areas. Cat 3(b) and 4(a)	P3	P5 Inspector discretion for repairs	P4	P5	P4 loose or uneven covers		
Minor. Negligible risk of interaction, particularly obscure or unused locations. Cat 4	P5	P6 Inspector discretion for repairs	Minor. Negligible risk of interaction, particularly obscure or unused locations. Cat 4(b)	P4	P6 Inspector discretion for repairs	P5	P6	P5 cracked or noisy covers not providing an immediate danger		

# 4.1 Categories

The COP defines defects in two categories:

**Category 1** - Those that require prompt attention because they represent an immediate or imminent hazard or because there is a risk of short-term structural deterioration.

If it is not possible to correct or make safe the defect at the time of inspection, which will generally be the case, repairs will be carried out as soon as possible and in any case within a period of 24 hours (or within 3 hours if considered to pose a particularly high risk). It is the policy of the Council that all repairs are permanent but if this cannot be arranged within each timescale the defect will be temporarily made safe or signed / barriered off.

Where further, permanent repairs are required these will, where possible, be carried out within 28 days. If, in order to carry out the works safely, a road closure or extensive traffic management is required then further works will be programmed to be undertaken as soon as practicable.

All Category 1 defects are therefore assessed and prioritised as follows:

**Priority 1** – Works to be repaired or made safe within 3 hours of notification to the contractor.

**Priority 2** – Works to be repaired or made safe within 24 hours of notification to the contractor.

Category 2 - All other categories.

Category 2 defects are those which are deemed not to represent an immediate or imminent hazard or risk of short term structural deterioration. Such defects may have safety implications but are not required to be urgently rectified. Access requirements, other works on the road network, traffic levels, and the need to minimise traffic management, should be considered as part of the overall assessment regarding response time.

The priority of response that a defect is to be allocated is based upon a risk assessment which considers impact against probability.

Category 2 defects are therefore assessed and prioritised as follows

Priority 3 – Works to be repaired within 7 calendar days.

Priority 4 – Works to be repaired within 14 calendar days.

Priority 5 – Works to be repaired within 28 calendar days.

Priority 6 – Works will be programmed by the contractor and agreed by the Council to be commenced with three months

For defects involving utility plant or other private equipment the Highway Authority is obliged to notify the owner of the apparatus that a defect is present, failure to do so may lead to the Highway Authority being held liable for any damage or injury to other third parties. Where a Category 1 defect is found then the relevant utility must be

informed and allowed to take the appropriate action. Where the action has not been taken within the specified time the Highway Authority must take steps to render the defect safe. Costs for the action may be reclaimed.

# **Risk Response matrix**

The road hierarchy and defect location are important considerations in this assessment. In general, the greater the traffic flow, the higher the probability of an event occurring.

Where a defect is identified a risk score is assessed. This is a value derived by considering the impact and probability of an event. This score identifies the overall seriousness of the risk and the appropriate speed of response to remedy the defect. The priority response time for dealing with the defect is determined by reference to the Risk Response matrix table:

Risk	Low	Low/Medium	Medium	Medium/High	High	Extreme
score						
Defect	2	2	2	2	1	1
category						
Response	P6	P5	P4	P3	P2	P1
category						
Priority	Within 3	Works to be	Up to 14	Up to 7	24	3 hours.
response	months.	repaired	calendar	calendar	hours.	
		within 28	days	days		Make
		calendar	-		Make	safe or
		days			safe or	repair.
					repair.	

# 4.2 Investigatory Levels

The table below describes the defects that inspectors seek to identify during safety inspections.

# Items for inspection, defect type and intervention levels

Item	Defect Type	Intervention Level
Carriageway	Pothole / spalling	40mm depth (150mm across in any
		horizontal direction)
	Ridge or rutting	40mm – depth
	Sunken cover	40mm depth
	Gap/crack	40mm depth (> 20mm width)
	Depression	>50mm, ≤300mm

Item	Defect Type	Intervention Level
Footway	Trip / pothole / sunken cover	25mm depth (75mm across in any horizontal direction)
	Rocking slab / block	Identifiable rocking
	Missing item such as lack of dropped kerb causing a barrier to access	Item identified
	Missing item – tactile paving	Event Occurrence
	Depression	>50mm, ≤300mm
Kerbs	Misaligned / chipped/cracked	50mm
	Loose/rocking Missing	Event Occurrence
	Gap/crack	25mm
Verge Erosion	Adjacent to carriageway edge	Depth 150mm
	Adjacent to footway edge	Depth 100mm
Statutory	Gaps within framework (other than	40mm carriageway,
Undertakers Iron work	designed by manufacturer)	25mm footway
non wonk	Level differences within framework	Event Occurrence.
	Rocking covers	Event Occurrence – Notify relevant
	Cracked / broken covers	Statutory Undertaker in line with
	Worn / polished covers	NRSWA Procedures.
	Missing covers	
Flooding	Standing water two hours after cessation	Event Occurrence
	of rainfall 1.5m from edge of	
	carriageway	
	Substantial running water across	Event Occurrence
	carriageway	
	Substantial running water across	Event Occurrence
	footway	
	Property inundation as a result of	Event Occurrence
	defective highway drainage	
	Blockage of waterway resulting in	Event Occurrence
	flooding of adjacent properties or ground	
	Flooded subways following pump	
	failure/drain blockages	Event Occurrence

Item	Defect Type	Intervention Level
Highway Drainage	Substantial standing water adjacent to	Event Occurrence
	edge of carriageway	
	Blocked gully (silted above outlet)	Event Occurrence
	Collapsed/blocked/ settled items or	
	systems	Event Occurrence
	Gully Covers – Rocking, cracked,	
	broken, missing	Event Occurrence
	Soakaway Covers – Damaged, Looses,	
	rocking, missing	Event Occurrence
Road markings	Faded or worn markings	50% loss of effective markings
Road studs	Missing hole left in c/way	Event Occurrence
Noau stuus	Displaced item on c/way	Event Occurrence
	Defective item	Event Occurrence
Non-illuminated		Event Occurrence
Signs/bollards	Damaged/misaligned item causing a	Event Occurrence
	hazard (including sign fixings)	Fuent Occurrence
	Missing item causing a hazard (including	Event Occurrence
	sign fixings)	Fuent Occurrence
	Item missing	Event Occurrence
Cofety for sing and	Item obscured/dirty/faded	Event Occurrence
Safety fencing and	Item damaged or misaligned causing a	Event Occurrence
barriers	hazard	Was day
	Unstable item or section	Yes/no
Trees, hedges and	Unstable tree causing danger of	Yes/no
shrubs	collapse onto highway	
	Overhanging tree/hedge/shrub leading	< 5.3m over carriageways
	to loss of height clearance over	< 2.4m over footways
	carriageway, footway or cycleway	< 2.4m over cycleways
Vandalism	Offensive graffiti	Event Occurrence
Highway general	Oil/debris/mud/stones and gravel	Event Occurrence
	likely to cause a hazard	
	2. Street furniture missing/ damaged	Event Occurrence
	likely to cause a hazard	
	3. Illegal signs	Event Occurrence
	4. Obstructions in the highway	Event Occurrence

Item	Defect Type	Intervention Level
	5. Obstructed sight lines	Event Occurrence
	6. Illegal Ramps in carriageway to aid	Event Occurrence
	vehicular movement	
	7. F/way damage caused by vehicular	Event Occurrence
	access where no vehicle crossing	
	8. Scaffolding likely to cause a hazard	Event Occurrence
	9. Skips likely to cause a hazard	Event Occurrence
	10. Unprotected building materials on	Event Occurrence
	the highway	
	11. Abandoned vehicles likely to cause a	Event Occurrence
	hazard	
	12. Weeds and moss	Event Occurrence

Whether these defects should be treated as Category 1 in particular circumstances, the nature and speed of response will depend, amongst other things, upon the assessed risk posed by:

- the depth, surface area or other degree of deficiency of the defect or obstruction;
- the volume, characteristics and speed of traffic;
- the location of the defect relative to highway features such as junctions and bends;
- the location of the defect relative to the positioning of users, especially vulnerable users, such as in traffic lanes or wheel tracks;
- the nature of interaction with other defects:
- forecast weather conditions, especially where there is a potential for freezing of surface water.

If a defect is found below intervention level then the inspector may identify the area for repair. However, this will depend on whether the defect is perceived to be hazardous due to its location, or whether the defect will deteriorate by the time of the next inspection. Therefore, it may not be necessary to identify such a defect for repair on roads that are inspected on a higher frequency, as it will be possible to monitor the progress of the defect as it approaches or exceeds intervention level.



# **INVESTMENT MODELLING 2015**

# **CARRIAGEWAYS**

**FOR** 

# ROYAL BOROUGH OF WINDSOR AND MAIDENHEAD



Prepared by: Reviewed by: Mehdi Jawad Simon Jones

Date:

November 2015

Version:

V 1.1



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# 1. Executive Summary

Royal Borough of Windsor and Maidenhead's (Windsor and Maidenhead) Highways team wish to develop a robust business model to support future funding opportunities, to ensure adequate funding of highway assets to achieve the Council's desired provision of services.

For this reason, Windsor and Maidenhead appointed Metis Consultants Ltd (Metis) to liaise with the Highways team and to conduct highway asset investment modelling to deliver the supporting information required for a robust business model. This report outlines the results of this investment modelling for the carriageway network.

The carriageway network totals 602.4km; A Roads 83.8km, B&C Roads 171.4km and U Roads 347.2km.

Using two systems in tandem, Metis' Regenerate—IM and the Highways Maintenance Efficiency Programme's (HMEP) Lifecycle Planning Toolkit, eight budget scenarios were modelled, predicting the condition of the A, B/C and Unclassified (U) carriageway networks over 5 years to 2020. The budgets modelled are shown in Table 1 below.

	Budget Scenario 1	Budget Scenario 2	Budget Scenario 3	Budget Scenario 4
Asset Group	Current Budget	Reduced Budget (-50%)	Enhanced Budget (+50%)	Steady State
All Carriageways	£1,650,000	£825,000	£3,300,000	£2,371,750
	Budget Scenario 5	Budget Scenario 6	Budget Scenario 7	Budget Scenario 8
Asset Group	Current Budget	Reduced Budget (-50%)	Enhanced Budget (+50%)	Steady State
All Carriageways (without surface dressing)	£1,650,000	£825,000	£3,300,000	£3,000,000

Table 1 - Budget scenarios

The results of the investment modelling suggests that the current budget (£1.65million) enables a broadly steady state condition over 5 years for the A and B/C networks. However, the Unclassified Road network shows a deteriorating condition.

Considering the current budget scenario without surface dressing (SD) as a treatment option, this shows a deterioration in condition across all classifications.

The reduced budget scenario (£825,000) is shown to be insufficient to maintain the present condition across all classifications. Similarly without surface dressing.

The modelling results indicate that the enhanced budget scenario (£3.3million), is sufficient to maintain a steady state condition in Unclassified Roads. However, the A and B/C network shows a rapid improvement in condition. This disparity between the condition trend for the Unclassified network and the A and B/C networks indicates that the current budget distribution could be rebalanced to even up these trends across all classification. In comparison to the 'without surface dressing scenario' the A and B/C network shows very similar results for the enhanced budget. However, for the Unclassified Road network there is a rapid decline condition.

The modelling indicates that a budget of £2.4million is required to maintain a steady state condition across all classifications. An extra £0.8million on existing current budget. Without surface dressing as a treatment option, the steady state budget is circa £3.0million, almost double the current budget.

The condition of the network as a whole and the impact of capital (planned maintenance) investment on the cost of pothole repairs and third party claims is shown in Table 2 below. Where the revenue expenditure is made up of Cost of Claims, Cost of Pothole Repairs and Cost of Re-occurring Defects.

Budget Scenarios	Capital Expenditure (Initial year to 2020)	Revenue Expenditure (Initial year to 2020)	Grand Total (Initial year to 2020)
Current (£1,650,000)	£9,900,000	£5,396,597	£15,296,597
Reduced (£825,000)	£4,950,000	£6,855,638	£11,805,638
Enhanced (3,300,000)	£18,439,709	£3,474,681	£21,914,390
Current without SD (£1,650,000)	£9,900,000	£6,814,005	£16,714,005
Reduced without SD (£825,000)	£4,950,000	£7,563,855	£12,513,855
Enhanced without SD (3,300,000)	£19,715,349	£5,318,734	£25,034,083
Steady State (£2,371,750)	£14,230,500	£4,161,041	£18,391,541
Steady State without SD (£3,000,000)	£18,000,000	£4,133,631	£22,133,631

Table 2 - Impact on Reactive Maintenance Need and Third Part Claims

Only half the scenarios apply to Windsor and Maidenhead's current maintenance strategy. The other half does not include surface dressing as a treatment option. Funding across the asset groups apply to Windsor and Maidenhead's historic budget distribution. In order to achieve steady state, funding was redistributed to across the road classifications in both steady state budget scenarios.

To elaborate on the condition banding and definitions and key for graphs;

Red	roads is need of maintenance
Amber	roads where maintenance should be considered
Green	roads in good condition

The condition of the network as a whole and the impact of capital (planned maintenance) investment on carriageways with and without surface dressing is shown in Tables 3, 4, 5 and 6 below.

Draft 1.1



Table 3 - Budget scenarios





Table 4 - Budget scenarios (without surface dressing)

Draft 1.1

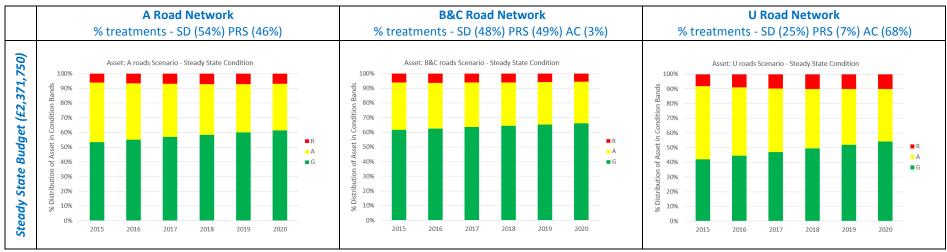


Table 5 - Steady state budget scenario

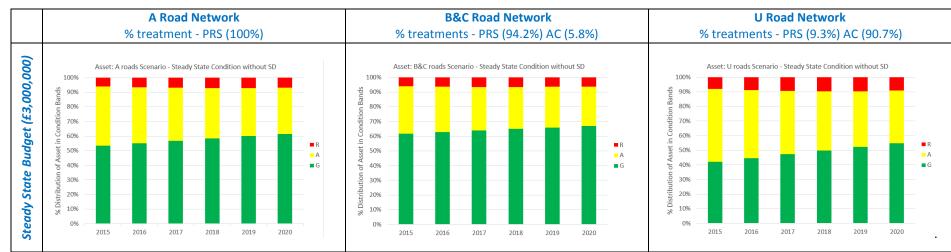


Table 6 - Steady state budget scenario (without surface dressing)

#### 2. Introduction

Royal Borough of Windsor and Maidenhead (Windsor and Maidenhead) is approaching a key budget setting period and the Highways team wish to develop a robust business case to support their funding applications to ensure that the highway assets are adequately funded to achieve the Council's desired level of service.

For this reason, Windsor and Maidenhead asked Metis Consultants Ltd (Metis) to work in partnership with the Highways team to carry out investment modelling for the Carriageways asset group to deliver the supporting information required for the business cases.

The investment modelling methodology had to be at a network level and appropriate and proportionate to the time and data available, as well as being sympathetic to the limited availability of the asset managers. The required outcome of the investment modelling was to be succinct information illustrating the necessary budget to maintain the present condition of the assets and to model the implications of various budget scenarios.

This report is the output of the investment modelling conducted for the **carriageway** asset group and outlines the data utilised, methodology adopted and the results of the modelling, as well as an analysis of the results and any conclusions and recommendations.

# 3. Modelling Input Data and Parameters

#### 3.1. Inventory

Table 7 below describes the scale of the carriageway inventory modelled.

Homogeneous Asset Group	Length of Network (km)	Average Width of Network (m)
A Roads	83.8	10.10
B/C Roads	171.4	8.45
Unclassified Roads	347.2	6.70
Total Network	602.4	

Table 7 - Carriageway Inventory

#### 3.2. Condition and Performance Targets

Table 8 shows the current and targeted red, amber and green condition bands. These condition targets represent a slight, controlled deterioration of each asset group.

To elaborate on the condition banding and definitions;

Red	roads is need of maintenance	
Amber	roads where maintenance should be considered	
Green	roads in good condition	

Condition	Current	Current Carriageway Condition			Carriageway Co	ndition
Band	A Roads	B/C Roads	U Roads	A Roads	B/C Roads	U Roads
Red	6%	6%	8%	5%	6%	8%
Amber	40%	32%	50%	30%	20%	40%
Green	54%	62%	42%	65%	74%	52%

Table 8 - Current and target condition profiles

### 3.3. Treatment Options, Costs and Lives

Modelling has been based around Windsor and Maidenhead's suite of typical treatment options. Other treatment types are utilised but for the purpose of this modelling only the typical, commonly used treatment options have been considered. These options are described in Table 9 below, alongside the cost per square metre of the treatment and the life expectancy.

The treatment costs are all inclusive rates to cover all pre-patching, intermediate treatments and other items such as traffic management. They have been calculated based on cost analysis of recent maintenance schemes provided by Windsor and Maidenhead.

The treatment lives have also been determined based on historic treatment performance information specific to Windsor and Maidenhead, tempered by Metis' database of treatment performance. The 'expected life' figure is that expected under normal conditions for the road classification.

	A Ro	oads	B/C Roads		B/C Roads U Roads	
Treatment	Rate (£/sqm)	Expected Life (Yrs)	Rate (£/sqm)	Expected Life (Yrs)	Rate (£/sqm)	Expected Life (Yrs)
Plane and	18.70	40	18.70	40	18.70	40
Resurface	18.70	40	18.70	40	18.70	40
Asphalt	16.50	40	16.50	40	16.50	40
Concrete	10.30	40	10.30	40	10.30	40
Surface	5.50	10	5.50	10	5.50	10
Dressing	5.50	10	5.30	10	5.30	10

Table 9 - Treatment options, unit rates and life expectancies

#### 3.4. Budget Scenarios

The capital (planned maintenance) budget scenarios to be modelled were decided upon in consultation with Windsor and Maidenhead and are illustrated in Table 10 below. They have been selected to represent the current, reduced, enhance and steady state budget (with and with surface dressing (SD)) to enable meaningful comparison between the investment model outcomes.

	Budget Scenario 1	Budget Scenario 2	Budget Scenario 3	Budget Scenario 4
Asset Group	Current Budget	Reduced Budget (-50%)	Enhanced Budget (+50%)	Steady State
All Carriageways	£1,650,000	£825,000	£3,300,000	£2,371,750
	Budget Scenario 5	Budget Scenario 6	Budget Scenario 7	Budget Scenario 8
Asset Group	Current Budget	Reduced Budget (-50%)	Enhanced Budget (+50%)	Steady State
All Carriageways (without SD)	£1,650,000	£825,000	£3,300,000	£3,000,000

Table 10 - Budget scenarios

The scenarios 1-4 where rerun as scenarios 5-8 excluding the surface dressing (SD) treatments option. The reason for this being that the council are considering not using SD as a treatment option in the future due to a perception of public dislike of this treatment. As such, the outcomes of scenarios 5-8 enable comparison of network performance without SD as an option to scenarios 1-4 which do include SD.

# 4. Methodology

#### 4.1. Lifecycle Analysis

Windsor and Maidenhead require investment modelling at a network level. This means that the asset group is treated as a whole, or in the case of carriageways, split into homogeneous groups. This methodology enables strategic decisions to be made based on outputs that can be understood by key decision makers and lay persons.

The network level approach means that uncertainties that exist with asset by asset information is less important, as at the network level the confidence in the data is improved. Where data does not exist, the approach allows for assumptions and extrapolation to be made, avoiding the need for potentially expensive data collection.

The lifecycle methodology analyses the performance of the asset group over time, based on knowledge of deterioration profiles and treatment intervention performance.

#### 4.2. Systems and Deterioration Calculations

To deliver Windsor and Maidenhead's requirements for the investment modelling we have utilised two systems as outlined in Table 11 below.

System	Outputs	Deterioration Algorithms
Regenerate – Investment Modeller	<ul> <li>Steady State budget         requirement (based on         expected treatment lives).</li> <li>Multi-year impact of capital         investment on planned spend.</li> <li>Multi-year impact of capital         investment on reactive spend.</li> </ul>	<ul> <li>Based on experience of treatment lives.</li> <li>Windsor and Maidenhead's historic performance information utilised.</li> </ul>
HMEP Lifecycle Planning Toolkit	<ul> <li>Multi-year performance prediction against budget scenarios.</li> </ul>	Tailored transition matrices     selected to best match the     classification group in Windsor     and Maidenhead.

Table 11 - Systems specification

The two systems have been used side-by-side to deliver all of the required output, but also as a reality check to ensure similar outputs are being produced.

#### 4.3. Analysis Period

A 5 year analysis period was chosen in consultation with Windsor and Maidenhead. This provides information over a reasonable investment period but avoids very long-term predictions which can prove inaccurate.

## 4.4. Assumptions and Limitations

• The modelling is sensitive to changes in the life expectancies of the treatment options. Care has been taken to refine these but in some cases treatments and materials that are relatively new to the network have limited performance information to base life expectancies on. As life expectancy information improves over time the modelling should be refined.

- Treatments have been normalised to three types. Other less used treatment options have been considered to not be significant to the output of the network level model.
- The percentage of amber/green split is assumed for the U roads as this information was not available.
- An uplift of 10 percent has been applied to all unit rates to allow for unforeseen maintenance expenses and an element of price inflation over the investment period.
- The results of the modelling should be used to consider trends and enable comparison between maintenance strategies and budget scenarios. The modelling outputs should not be considered on a year by year basis, but only as a predicted direction of travel.
- The actual network performance may differ considerably to the modelling predictions should factors such as price fluctuations, severe weather events or an increase in usage exert significant influence.

# 5. Results and Analysis

#### 5.1. Budget Scenarios

The carriageways budget has been further broken down into the homogeneous asset groups of, A Roads, B/C Roads and Unclassified (U) Roads as shown in Tables 12, 13, 14, 15, 16, 17, 18 and 19 below with and without surface dressing. The proportions of the total budget assigned to each group is based on the average spend profile over the period 2010 to 2015. This proportion has been applied to each budget scenario for consistency of maintenance strategy and comparability of the scenarios.

The graphs show the various scenarios that have been modelled over a 5 year period to help determine the most effective investment strategy. Further discussion and background to the scenarios below is outlined below using the HMEP Lifecycle Planning Toolkit.

To elaborate on the condition banding and definitions and key for graphs;

Red	roads is need of maintenance
Amber	roads where maintenance should be considered
Green	roads in good condition

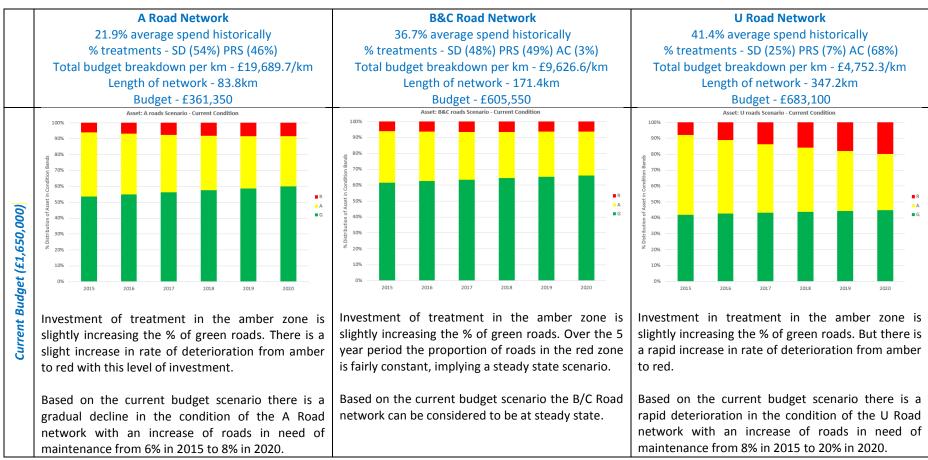


Table 12 - Current Budget scenario A, B/C, U Road condition prediction

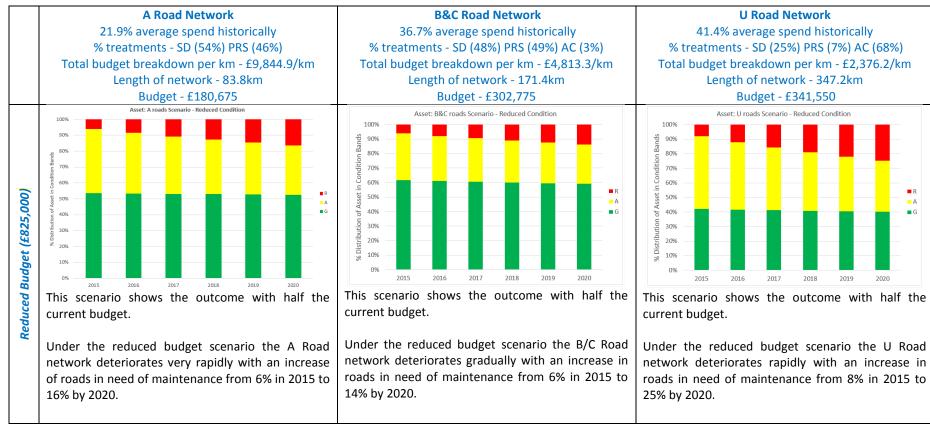


Table 13 - Reduced Budget scenario A, B/C, U Road condition prediction

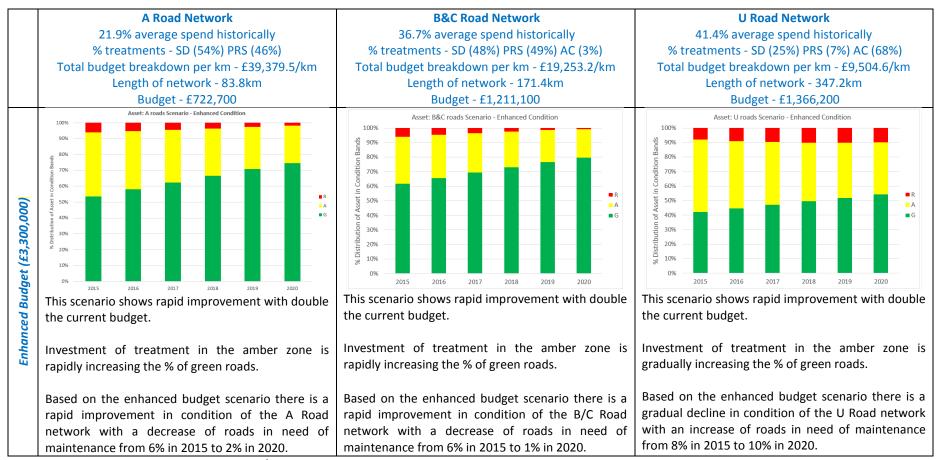


Table 14 - Enhanced Budget scenario A, B/C, U Road condition prediction

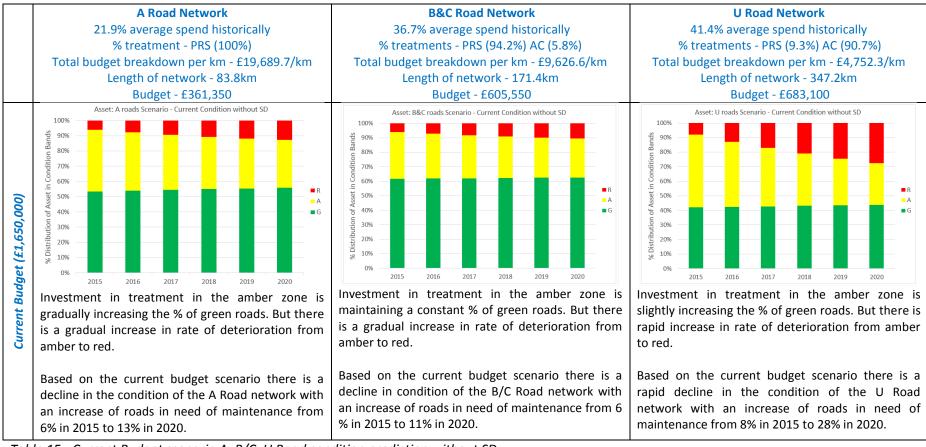


Table 15 - Current Budget scenario A, B/C, U Road condition prediction without SD

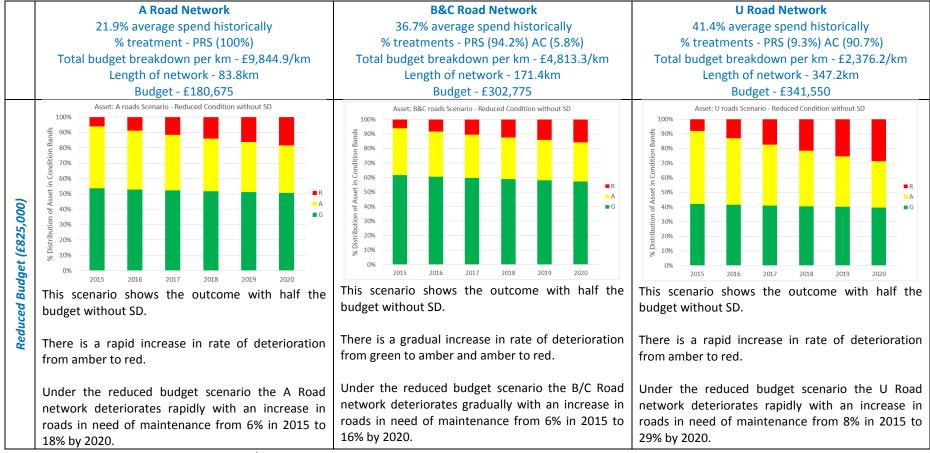


Table 16 - Reduced Budget scenario A, B/C, U Road condition prediction without SD

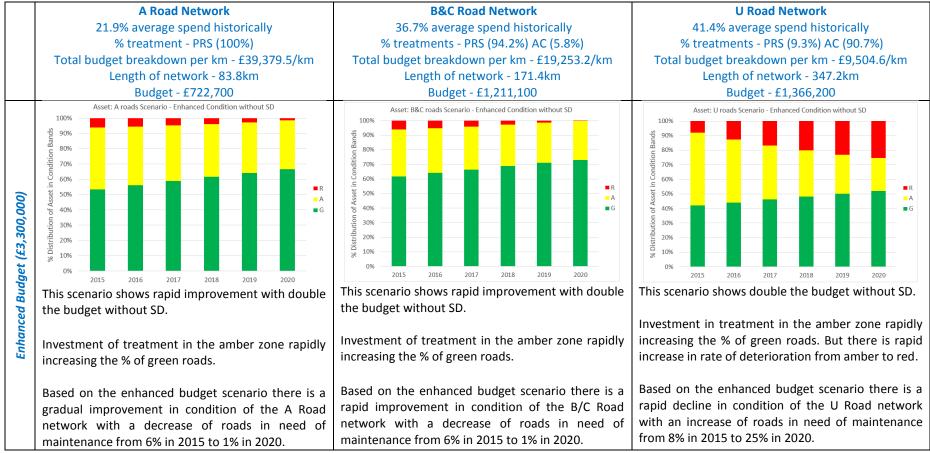


Table 17 - Enhanced Budget scenario A, B/C, U Road condition prediction without SD

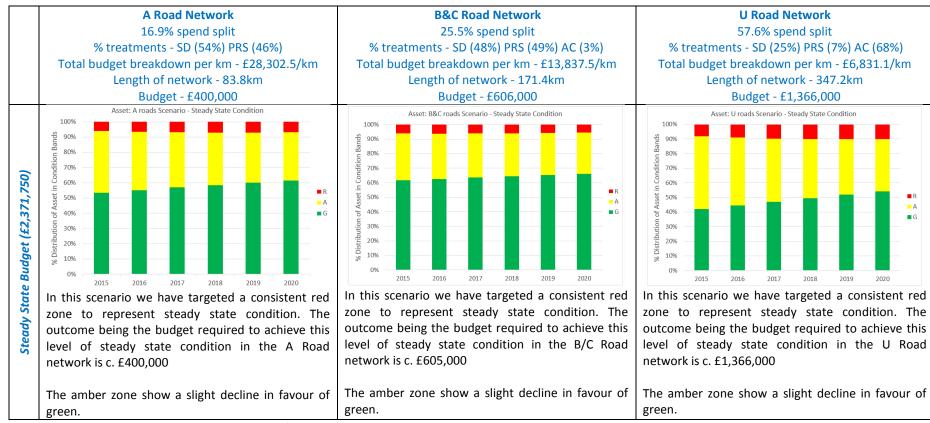


Table 18 – Steady State Budget scenario A, B/C, U Road condition prediction

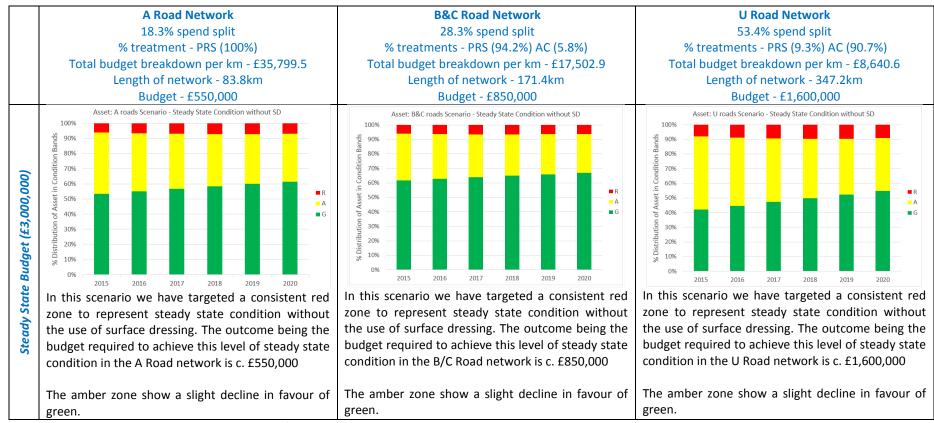


Table 19 – Steady State Budget scenario A, B/C, U Road condition prediction without SD

# **5.2. Impact on Reactive Maintenance Need and Third Part Claims**

The condition of the network as a whole and the impact of capital (planned maintenance) investment on the cost of pothole repairs and third party claims is shown in Table 20, 21, 22 and 23 below.

	Capital Expenditure (Initial year to 2020)	Revenue	Total Expenditure		
Budget Scenarios		Cost of Claims	Cost of Pothole Repairs	Cost of Reoccurring Defects	(Initial year to 2020)
Current (£1,650,000)	£9,900,000	£6,540	£4,241,865	£1,148,192	£15,296,597
Reduced (£825,000)	£4,950,000	£8,318	£5,395,054	£1,452,266	£11,805,638
Enhanced (3,300,000)	£18,439,709	£4,045	£2,623,303	£847,333	£21,914,390
Current without SD (£1,650,000)	£9,900,000	£8,463	£5,489,050	£1,316,492	£16,714,005
Reduced without SD (£825,000)	£4,950,000	£9,280	£6,018,466	£1,536,109	£12,513,855
Enhanced without SD (3,300,000)	£19,715,349	£6,839	£4,435,436	£876,459	£25,034,083
Steady State (£2,371,750)	£14,230,500	£4,734	£3,070,278	£1,086,029	£18,391,541
Steady State without SD (£3,000,000)	£18,000,000	£4,684	£3,037,894	£1,091,053	£22,133,631

Table 20 - Impact on Reactive Maintenance Need and Third Party Claims

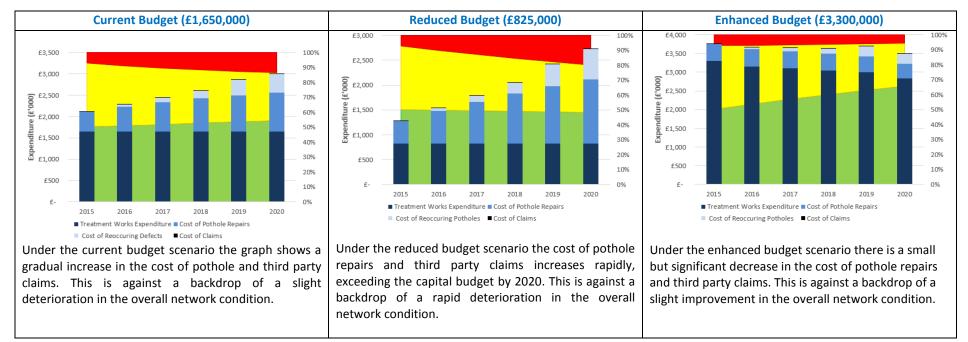


Table 21 – Current, Reduced, Enhanced Budget scenario. Overall condition and expenditure prediction

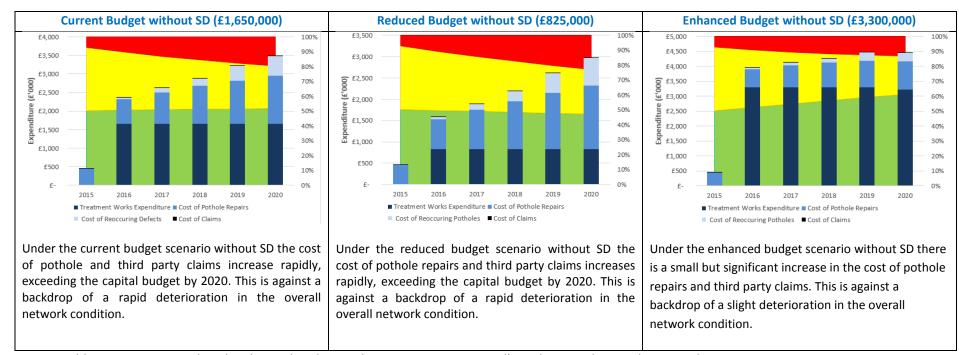


Table 22 – Current, Reduced, Enhanced Budget without SD scenario. Overall condition and expenditure prediction

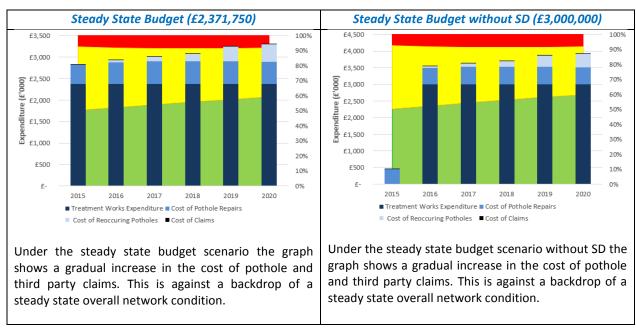


Table 23 – Steady State Budget with and without SD scenario. Overall condition and expenditure prediction

#### 6. Conclusions and Recommendations

#### 6.1. Conclusions

The results of the investment modelling suggests that the current budget (£1.65million) enables a broadly steady state condition over 5 years for the A and B/C networks. However, the Unclassified Roads deteriorate rapidly and require more investment.

Considering the current budget scenario without surface dressing (SD) as a treatment option, a more rapid deterioration of the Unclassified Roads is shown. The A and B/C roads show a gradual but accelerated deterioration compared with the with SD scenario.

The reduced budget scenario (£825,000) is shown to be insufficient to maintain the present condition across all classifications. This leads to rapid deterioration of all classifications. Similarly without SD.

The modelling results indicate that the enhanced budget scenario (£3.3million), using Windsor and Maidenhead's current investment strategy, is sufficient to maintain a steady state condition in Unclassified Roads. However, the A and B/C network shows a rapid improvement in condition, resulting in a small percentage roads in the red zone (in need of maintenance) by 2020. This disparity between the condition trend for the unclassified network and the A and B/C networks indicates that the current budget distribution could be rebalanced to even up these trends across all classification. In comparison to scenario 7 (without SD the A and B/C network shows very similar results for the enhanced budget. However, for the unclassified road network there is a rapid decline in the red zone. In both cases the A and B/C roads have rapidly improved. With the unclassified network there is a significant difference between a treatment option with SD and without.

The modelling indicates that a budget of £2.4million is required to maintain a steady state condition across all classifications. An extra £0.8million on existing current budget. Without SD as a treatment option the steady state budget is circa £3.0million, almost double the current budget.

Modelling of the impact of capital expenditure on the need for reactive maintenance and the predicted cost of third party claims supports the case for an enhanced capital expenditure and retaining SD as a treatment option. Under the steady state budget scenario (shown in Table 20), a lower revenue expenditure is demonstrated with an increase in budget, when compared to the current budget scenario.

Looking at the steady state budget scenario with or without SD in Table 20 the revenue expenditure is very similar for a significant difference in capital expenditure. It must also be noted that he impact of potholes and third party claims goes beyond monetary consideration; potentially injuring people, causing delays and effecting the Council's reputation.

#### 6.2. Recommendations

In order to achieve Windsor and Maidenhead's target of a broadly steady state network condition, we would recommend that a capital planned maintenance budget of approximately £2.4million be adopted and increased annually in-line with cost inflation.

In order to achieve a steady state condition across all classifications the budget distribution between the classifications needs to be rebalanced for a long-term approach, increasing the budget on the unclassified

network, as described above. In order for this budget to enable steady state condition, SD would need to be retained as a treatment option.

#### 7. Recommended Further Work

#### 7.1. Maintenance Strategy Analysis

The modelling has shown that, in order to achieve a long-term steady state condition across the carriageway network, there needs to be a redistribution of the budget between the different classifications.

The modelling has illustrated appropriate steady state budgets for each classification group. This is based on the application of Windsor and Maidenhead's typical treatment options and historic budget distribution.

Once the Highways team have been informed of their future budget allocation it would be useful to review the performance of the typical treatment options and triggers against other options that may be available. In this way the maintenance strategies can be refined to ensure the whole life cost is minimised and the impact of the budget maximised.

A review of the current maintenance strategies against other options would draw on the Highways team's experience of trialling innovative new materials and techniques.



This report provides a complete picture of your Authority's results for KBI 23 - Condition of highways. It shows your ranking, how you compare with others and how your results are changing over time. It also includes details of the best performing Authorities for this KBI in this year's survey.

This year's results
The number of your residents responding to this year's survey, and your result for this KBI compared with the other



Ranking against others

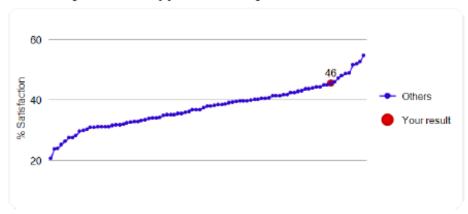
The ranking of your result for this KBI against other authorities in the survey this year, and the distribution of this year's results for this KBI.

### Your Ranking

### Where your result appears in this year's distribution of results







## Comparing results over time

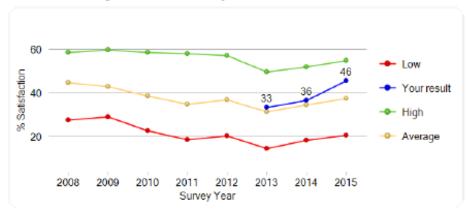
The change in your Authority's result for this KBI from last year, 'your trend', and the change in results for this KBI over the last eight years.

#### Your Trend

### How your results compare with others over time





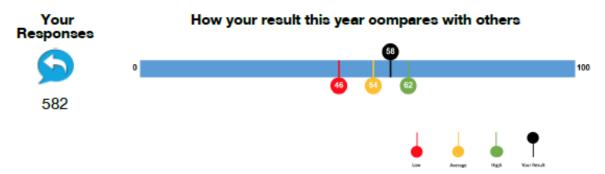




This report provides a complete picture of your Authority's results for KBI 24 - Highway maintenance. It shows your ranking, how you compare with others and how your results are changing over time. It also includes details of the best performing Authorities for this KBI in this year's survey.

# This year's results

The number of your residents responding to this year's survey, and your result for this KBI compared with the other Authorities taking part in the survey this year.

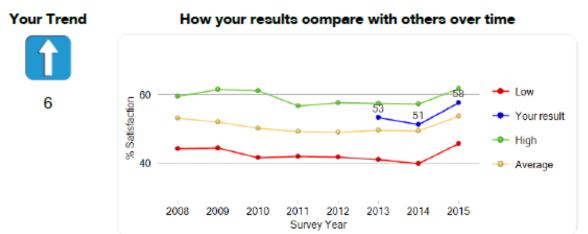


Ranking against others
The ranking of your result for this KBI against other authorities in the survey this year, and the distribution of this year's results for this KBI.



# Comparing results over time

The change in your Authority's result for this KBI from last year, 'your trend', and the change in results for this KBI over the last eight years.





Report for: ACTION



Contains Confidential or Exempt Information	NO - Part I	
Title	Chobham Road, Sunningdale - Petition to Reduce Weight Limit from 18T to 7.5T	
Responsible Officer(s)	Simon Fletcher - Strategic Director of Operations	
Contact officer, job title	Ben Smith - Head of Highways & Transport	
and phone number	(01628) 796147	
Member reporting	Councillor Colin Rayner, Lead Member for Highways &	
	Transport	
For Consideration By	Cabinet	
Date to be Considered	26 November 2015	
Implementation Date if	Not Applicable	
Not Called In		
Affected Wards	All	
Keywords/Index	Chobham, Road, Sunningdale, Weight limit, lorries, traffic regulation order	

# **Report Summary**

1. A petition with 1003 signatories was submitted to Council on 22 September 2015 by Councillor Mrs Bateson seeking to reduce the weight limit on Chobham Road railway bridge, Sunningdale from 18 tonnes to 7.5 tonnes.

The Mayor agreed that this petition should be submitted to Cabinet for consideration. Therefore, the purpose of this report is to consider the content of the petition and resolve a way forward.

- 2. This report recommends that:
  - Consultation be undertaken in respect of a proposed order to reduce the weight limit of Chobham Road railway bridge, Sunningdale.
  - The results of the consultation be reported to Cabinet for consideration on 25 February 2016.
- 3. This recommendation is being made in response to the concerns raised in the petition submitted to Council for consideration.
- The financial implications of undertaking the consultation exercise (and subsequent scheme delivery – if approved) will be contained within existing approved budgets.

5. Additional points to note are that an 18T weight limit was introduced on this bridge on 1 June 2015. This report considers the request to reduce this limit to 7.5T.

If recommendations are adopted, how will residents benefit?				
Benefits to residents and reasons why they will	Dates by which they can			
benefit	expect to notice a difference			
Undertaking a consultation exercise (including Parish Councils and Surrey County Council) in response to the petition provides an opportunity for transparent engagement with the local community.	December 2015 - January 2016			
This benefits residents and other road users by achieving direct improvements in local highway conditions where appropriate.				
2. Subject to the outcome of the consultation, reducing the weight limit will positively respond to residents concerns; reduce road safety risks and offer environmental benefits in the local area	March 2016 (subject to outcome of consultation)			

#### 1. Details of Recommendations

#### **RECOMMENDED:** That:

- (i) Consultation be undertaken (including residents in the Royal Borough and Surrey; Parish Councils; Surrey County Council; Thames Valley and Surrey Police) in response to the request to reduce the weight limit of Chobham Road railway bridge, Sunningdale.
- (ii) The results of the consultation be reported to Cabinet for further consideration in February 2016.

#### 2. Reason for Decision and Options Considered

- 2.1 A petition with 1003 signatories was submitted to Council on 22 September 2015 by Councillor Mrs Bateson seeking to reduce the current weight limit on Chobham Road railway bridge, Sunningdale from 18T to 7.5T.
- 2.2 The Mayor agreed that this petition should be submitted to Cabinet for consideration.
- 2.3 The petition reads, '...We, the undersigned, wish the RBWM to consider reducing the recently implemented 18 tonne weight limit on the Chobham Road railway bridge to a maximum of 7.5 tonnes. We are concerned that the large lorries pose a safety risk due to the narrow road over the bridge. Large vehicles are forced to cross the central double-white line on a bend where visibility is limited and oncoming traffic may not see them in time...'
- 2.4 In order to introduce a legally enforceable weight limit the Royal Borough is required to undertake a period of statutory consultation. In addition, it is recommended that the formal consultation be extended to engage directly with key stakeholders, including Sunningdale Parish Council.

2.5 The results of the consultation will be reported to Cabinet on 25 February 2016. Adoption of this approach offers a robust, positive and transparent response to the petition.

Option	Comments
Introduce a traffic regulation order	This is not an option as a legally enforceable
which reduces the weight limit to 7.5T	weight limit cannot be introduced without
with immediate effect	following a statutory consultation process,
	which includes a period to invite objections
Introduce alternative measures to	Alternative measures including the
mitigate the safety risk	introduction of traffic signals and single-way
	working over the bridge or removing on-
	street parking may mitigate road safety risks.
	However, the overall impact on all road users
	is considered disproportionate.
Undertake a full consultation and	This is the recommended option which
report the outcomes to Cabinet for	offers a robust, transparent and positive
consideration	response to the petition
Consider the petition and resolve to	This option is not recommended as it does
take no further action	not respond appropriately to the petition.
	Larger 18T vehicles, potentially increasing in
	volume, presents an increased road safety
	risk and greater environmental concern than
	a 7.5T weight restriction

# 3. Key Implications

Defined Outcomes	Unmet	Met	Exceeded	Significantly Exceeded	Date they should be delivered by
Undertake consultation and report outcomes to	beyond February 2016	25 February 2016	28 January 2016	No objections are received to the	25 February 2015
Introduction of a reduced weight limit by (Subject to consultation outcome)	Beyond 31 March 2016	31 March 2016	29 February 2016	consultation 31 January 2016	31 March 2016
Reduced number of lorries using Chobham Road (Subject to consultation outcome)	Lorry numbers increase	0 – 70%	71 – 85%	> 85%	31 March 2016

#### 4. Financial Details

# 4.1 Revenue Funding

There are no revenue financial implications arising from the recommendations of this report.

# 4.2 Capital Funding

The estimated cost of the recommended consultation is £3k. Subject to the outcome of the consultation exercise - if a reduced weight limit was implemented the estimated costs would be £2k, which would be funded form the approved capital budget 'Traffic Management' (CD10) - £150k'.

This overall programme budget includes an allocation for responding to petitions.

Description	Ref.	Budget	Estimated Costs
Traffic Management	CD10	£150,000	£5,000

# 5. Legal Implications

- 5.1 The process to introduce a traffic regulation order reducing the weight limit to 7.5T will be undertaken in accordance with the Road Traffic Regulation Act 1984 and the Traffic Management Act 2004 and the regulations and statutory guidance issued thereunder.
- 5.2 Section 1 of the Road Traffic Regulation Act 1984 enables a traffic regulation order to be made where the authority considers that it is necessary for avoiding danger to persons or other traffic using the road or any other road or for preventing the likelihood of such danger arising.
- 5.3 When exercising functions under the 1984 Act the authority is required, insofar as it is practicable to do so having regard to the matters specified in section 122(2) to have regard to the duty conferred upon it under section 122 which requires it to secure the expeditious, convenient and safe movement of vehicular and other traffic including pedestrians. The matters listed in sub-section (2) of section 122 are as follows:
  - (a) the desirability of securing and maintaining reasonable access to premises;
  - (b) the effect on the amenities of any locality affected and (without prejudice to the generality of this paragraph) the importance of regulating and restricting the use of roads by heavy commercial vehicles, so as to preserve or improve the amenities of the areas through which the roads run;

(bb) the strategy prepared under section 80 of the Environment Act 1995 (national air quality strategy);

(c) the importance of facilitating the passage of public service vehicles and of securing the safety and convenience of persons using or desiring to use such vehicles: and

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- 5.4 In relation to section 122 (2)(d), the inclusion of the Chobham Road route in the Construction and Environmental Management Plan for the redevelopment of the DERA site at Longcross will be relevant since the proposed order will require construction lorries exceeding 7.5T to use the other route specified by Surrey County Council. However, if it is considered that the potential danger to pedestrian and other traffic presented by the current use of the Chobham Road Bridge outweighs the inconvenience caused to the affected construction and other HGV traffic, the proposed restrictions may be justified.
- 5.5 Section 16 of the Traffic Management Act 2004 confers a duty on local traffic authorities to manage their road networks with a view to achieving, so far as may be reasonably practicable, having regard to their other obligations, policies and objectives, the following objectives- (a) securing the expeditious movement of traffic on the authority's road network; and (b) facilitating the expeditious movement of traffic on road networks for which another authority is the traffic authority. This duty is a qualified duty and it is doubtful whether this duty is engaged given that it does not significantly add anything over and above the matters required to be considered by the authority under the duty conferred under section 122 of the 1984 Act other than the requirement to recognise the importance placed on making the best use of the existing road space for the benefit of all road users.

#### 6. Value for Money

- 6.1 Subject to the outcome of the consultation the implementation of any scheme would be undertaken by the term maintenance contractor whose rates have been competitively attained and bench-marked to ensure value for money.
- 6.2 The recommendations of this report offer a robust, transparent and positive approach which minimise the risk of legal challenge offering value for money.

## 7. Sustainability Impact Appraisal

A reduction in large vehicles in Chobham Road, Sunningdale may have positive sustainable and environmental benefits in the local area.

#### 8. Risk Management

The recommendations of this report offer a robust, transparent and positive response to the petition offering a balanced approach to risk.

# 9. Links to Strategic Objectives

## **Relevant Strategic Objectives are:**

## **Residents First**

- Improve the Environment, Economy and Transport
- Work for safer and stronger communities

## **Delivering Together**

Strengthen Partnerships

## 10. Equalities, Human Rights and Community Cohesion - None

# 11. Staffing/Workforce and Accommodation implications - None

# 12. Property and Assets

Introduction of a reduced weight limit may offer additional protection to the highway asset by reducing the risk of damage to the bridge, and approaches, by large vehicles.

# 13. Any other implications - None.

#### 14. Consultation

- 14.1 This report will be considered by members of the Highways, Transport and Environment Overview and Scrutiny Panel on 25 November 2015 with the panel's comments reported to Cabinet for consideration.
- 14.2 This report recommends statutory and extended consultation with stakeholders (including Sunningdale Parish council) as a positive response to the petition.

# 15. Timetable for Implementation

Stages	Timescale
Consultation Period	December 2015 to January 2016
Cabinet Report	25 February 2016
Scheme Implementation (subject to Cabinet	31 March 2016
decision)	

# 16. Background Information

- 16.1 An 18T weight limit was introduced on the railway bridge in Chobham Road, Sunningdale with effect from 1 June 2015.
- 16.2 The bridge forms part of an 'S-bend' in the road and was implemented as a result of requests from residents and Parish Council to Ward Members to reduce the size and weight of lorries crossing the railway bridge and entering Sunningdale.
- 16.3. The basis of the 18T weight limit was to address legitimate concerns, including:
  - the safety of vehicles on the railway bridge as it is to narrow for large vehicles and forms part of the 'S-bend' in the road
  - the local access road and premises close to the bridge with limited visibility
  - the additional road traffic pollution in the area affecting residents either side of the bridge
  - reduced traffic flow due to limited visibility and road width when large vehicles are approaching
  - danger of pedestrians shopping at local shops in the central part of the village
  - danger of increased congestion at the junction of the A30 (London Road) and Chobham Road close to the pedestrian crossing
- 16.3 The request to reduce the weight limit appears to have been generated by a recent increase in lorry movements resulting in lorries were unable to cross the bridge without travelling across the centre white line into the path of oncoming

- vehicles; damage only collisions between lorries and cars and congestion in Chobham Road in the vicinity of the shops.
- 16.4 Surrey County Council and Surrey Police objected to the 18T traffic regulation order as it was considered unnecessary and created negative benefits on communities in Surrey.
  - It should be noted that planning consent for the DERA site includes the use Chobham Road route in their construction and environmental management plan. The Royal Borough formally objected to the inclusion of the Chobham Road Route in that plan at that time and maintains this position.
- 16.5 Notwithstanding the objections of the Surrey County Council and the Surrey Police, the Council was of the view that in the vicinity of the Chobham Road bridge, the safety of pedestrians and the safe movement of vehicular traffic outweighed any inconvenience caused to the traffic affected by the proposed restriction and so an appropriate and legally compliant process was conducted in respect of the proposal to introduce the current weight limit.
  - Following the making of the Order, Surrey County Council advised the Council of its intention to judicially review the process and in the light of the Council's response the threat of legal action was subsequently withdrawn.
- 16.6 The Lead Member for Highways & Transport (Councillor Rayner) met with the Executive Member for Highways at Surrey County Council to understand Surrey County Council's concerns in respect of the current 18T and to investigate the possibility of securing a mutually acceptable solution. This was not achieved as Surrey County Council are of the opinion that Chobham Road is a suitable route for large vehicles and does not warrant restrictions. This is not a position shared by the Royal Borough.
  - It is anticipated that similar objections will be received from Surrey County Council to a proposed traffic regulation order seeking to reduce the weight limit to 7.5T.
- 16.7 A location plan highlighting the existing 18T weight limit is attached as Appendix A.
- 16.8 The proposed reduction in the current 18T weight limit to a 7.5T weight limit is considered necessary to reduce the road safety risk created by large vehicles using Chobham Road, Sunningdale. It appears from local feedback that the volume of large vehicles has increased recently as has the incidence of damage only accidents or near-misses.
- 16.9 Alternative measures to a reduction in the weight restriction from 18T to 7.5T to mitigate road safety risks could include:
  - introduction of traffic signals and single-way working over the bridge
  - removal of on-street parking in Chobham Road between the bridge and the A30 (London Road)

These alternative measures are considered inappropriate as they:

- create an unnecessary negative impact on all road users
- increase congestion and delays
- negatively impact on local shops and trade undermining the vibrancy of this area
- increase vehicle speeds and increase road safety risks

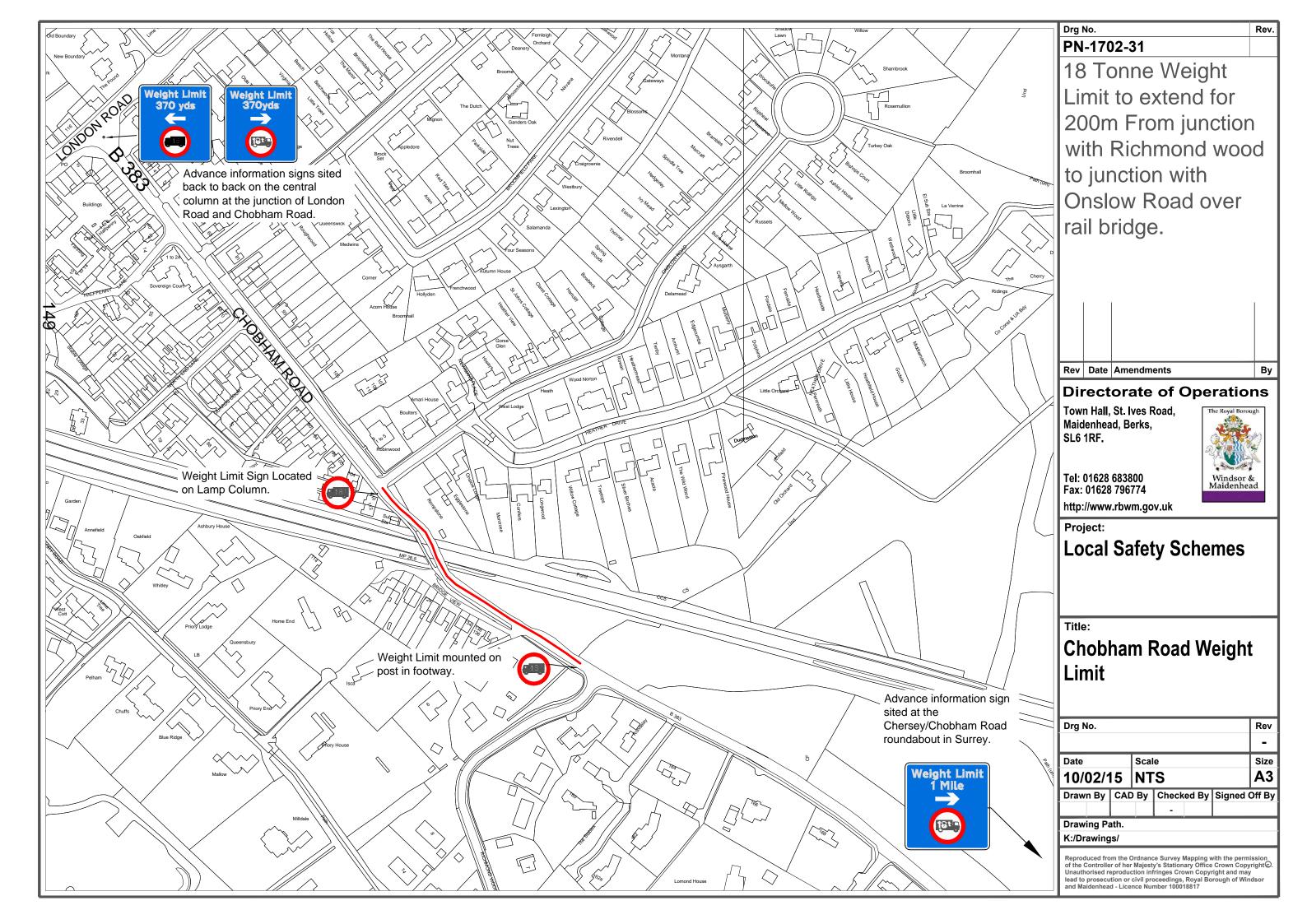
# 17. Consultation (Mandatory)

Name of consultee	Post held and Department	Date sent	Date received	See comments in paragraph:
Internal	•			
Cllr Rayner	Lead Member for Highways & Transport	23.10.15	30.10.15	Additional detail included with respect to consultation
Cllr David Burbage	Leader of the Council	30.10.15	03.11.15	Approved
			04.11.14	Additional outcome included
Michael Llewelyn	Cabinet Policy Office	23.10.15	26.10.15	Minor comments to narrative throughout the report
Catherine Woodward	Shared Legal Solutions / Monitoring Officer	23.10.15	26.10.15	Legal Implications updated / comments included throughout the report to reduce risk of future challenge
Mark Lampard	Finance Partner	23.10.15	30.10.15	Financial implications updated
Huw Jones	Traffic Engineer	23.10.15	23.10.15	Minor technical updates

# **Report History**

Decision type:	Urgency item?
	No

Full name of report author	Job title	Full contact no:
Ben Smith	Head of Highways & Transport	01628 796147



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Report for: ACTION



Contains Confidential or Exempt Information	No – Part I	
Title	Night Time Economy Enforcement Pilot – Interim	
	Review and Report	
Responsible Officer(s)	Craig Miller, Head of Community Protection &	
	Enforcement Services	
	Simon Fletcher, Director of Operations	
Contact officer, job title	Craig Miller, Head of Community Protection &	
and phone number	Enforcement Ext 3598	
Member reporting	Cllr Carwyn Cox	
For Consideration By	Cabinet	
Date to be Considered	26 November 2015	
Implementation Date if	Not applicable	
Not Called In		
Affected Wards	All	
Keywords/Index	Enforcement, Night Time, Night Time Economy	

# **Report Summary**

- 1. This report is a mid point review of the Night Time Economy (NTE) enforcement pilot approved by Cabinet at its meeting of 26 February 2015. The purpose of the report is to update Cabinet on the pilot. It is recommended that the Pilot continue until its scheduled conclusion in December 2015.
- 2. The report summarises the progress of the pilot to date and covers five main areas:
  - i. background
  - ii. performance
  - iii. patterns of enforcement
  - iv. pilot outcomes
  - v. future options
- 3. Initial findings from the first phase of the pilot suggest a night time economy function is a positive addition to the council's enforcement services. To date, more than 100 hours of foot patrols and just over 180 hours of vehicle patrols have been undertaken as part of the pilot resulting in over 300 licensing checks being completed and 135 environmental protection investigations undertaken. Anti social behaviour complaints associated with the NTE in the period between July to September 2015 have decreased by 27% compared to the same period in 2014. Whilst this can not solely be attributed to the NTE pilot it is likely to have been a contributory factor.
- 4. Issues have been identified during the first phase of the pilot. Many of these are

operational issues. They are not insurmountable and do not suggest the pilot should be ceased at this point.

- 5. It is hoped that the pilot will continue to be a success and become a permanent solution into the future. The final phase of the Pilot will be reviewed alongside the information in this paper and it is proposed that a further report be brought to Cabinet in February 2016 to propose the final configuration of the service e.g. operating hours, full scope of service etc. The final three months will also enable any seasonal influence to be accounted for.
- 6. It is proposed that the Lead Member for Environmental Services, the Strategic Director of Operations and the Head of Service for Community Protection and Enforcement have a delegation to allow them to continue the service if it is deemed to continue to be successful at the end of the Pilot until Cabinet finalises the service configuration in February 2016.

If recommendations are adopted, how will residents benefit?	
Benefits to residents and reasons why they will benefit	Dates by which
	residents can expect
	to notice a difference
Residents continue to have greater accessibility to	01 January 2016
enforcement services that can respond to issues at the time	
and point of need.	

#### 1. Details of Recommendations

#### **RECOMMENDATION: That Cabinet:**

- i. Approves the continuation of the Night Time Economy service until the conclusion of the pilot period in December 2015;
- ii. Requests that a further report be presented to Cabinet in February 2016 to determine whether the Night Time Economy service is continued as a permanent arrangement including confirmation of the final service configuration if it is to continue;
- iii. Delegate authority to the Strategic Director of Operations in conjunction with the Lead Member for Environmental Services and the Head of Service for Community Protection and Enforcement to continue to operate a service if it is deemed a success at the end of the Pilot until Cabinet finalises the service configuration in February 2016.
- iv. Delegate authority to the Strategic Director of Operations in conjunction with the Lead Member for Environmental Services to prepare a media statement for release to communicate and promote the permanent Night Time Economy service.

#### 2. Reason for Recommendation(s) and Options Considered

## **Background**

- 2.1 Members will recall that Cabinet approved the implementation of a Night Time Economy Enforcement Pilot staffed by the council's existing Community Warden resource at its meeting of 26 February 2015.
- 2.2 The pilot was to be based on a service that would be operational during night time and early morning hours providing residents and local businesses with access to council resources with the capability to investigate issues connected to the NTE e.g. noise nuisance, under-age sales of alcohol, access management into licensed

premises, taxi licensing and enforcement. The trial was launched on 1 July 2015 with service being provided between 7pm and 3 am on both Friday and Saturday nights. The pilot was specifically mandated to undertake and enhance the council's enforcement coverage and did not aim to address public disorder or crime which is the responsibility of Thames Valley Police.

- 2.3 The trial has received positive media coverage and has run smoothly since launch providing coverage to the NTE locations in Windsor & Eton, Maidenhead town centre, and Ascot. It has also been possible to deploy resources on a reactive basis to other areas on occasion to deal with issues or concerns tasked from our licensing or Environmental Protection functions.
- 2.4 The service is always staffed by two Community Wardens who work as a pair on patrols and investigations. Both weekend shifts will commonly be undertaken by the same officer pairing.
- 2.5 All officers received appropriate training and briefings in advance of the launch date and full operating procedures and risk assessments were produced and have subsequently been reviewed and improved in light of operational experience.
- 2.6 Whilst the council's pilot is not intended to take on Police functions the NTE personnel do on occasion work closely with the Police as the issues in hand can be related or span both enforcement environments. The council's NTE resource has a standing invite and does attend the weekly Police NTE briefing at 10pm on Fridays and Saturdays as appropriate to their shift operations and tasking.
- 2.7 Each NTE shift is briefed prior to patrol on complaints received from residents and businesses. In addition they are provided with information from other teams within the council. Complaints and/or issues raised via the council's control room are also investigated on a reactive basis. The NTE resource will also report issues that lie outside of their sphere of control via the control room or to the appropriate organisation or agency e.g. Police and Street Angels.
- 2.8 NTE incident reports are sent out at the end of each shift so that if a particularly significant issue has arisen on a Friday night (e.g. a noise problem with a licensed premise) action can be taken by the relevant department to prevent the issue reoccurring on the Saturday.

#### **Performance**

- 2.9 The NTE pilot is monitored through a number of performance metrics that offer a statistical overview of service impact and value. Appendix 1 sets out the performance data for the service so far. Current performance data shows a number of positive outcomes e.g. over 300 licensing checks have been completed and 135 environmental protection investigations undertaken. Anti social behaviour complaints attributable to the NTE are down by 27% for the period between July and September 2015 when compared to the same period in 2014.
- 2.10 It is recognised that this information alone would not necessarily provide a compelling case for a service however the pilot is only three months old and will require further bedding in and exposure to residents before we can be confident that we have a truly representative data set. Members should be aware that the Mantra nightclub was fully closed and the Liquid nightclub was closed for a number of weeks during the initial phase of the pilot. These premises are two of the main nightclub establishments in Windsor and their closure may have affected the number of cases that were reported during this period. It is therefore important that some of the softer information and measures available are considered when assessing success at this point e.g. over 100 hours of foot patrols and just over 180 hours of vehicle patrols

have been undertaken within the NTE since the pilot commenced. This is a level of service and accessibility that has not been provided to residents before. The presence of council resources in the NTE is also likely to positively encourage a greater degree of self compliance.

- 2.11 Officers have also received various anecdotal reports about the impact of the service. NTE patrols have reported that parking behaviour especially within Thames Street, Windsor is much improved when the NTE patrols are on shift. This historically has been a problem resulting in numerous complaints from residents.
- 2.12 As with any project or initiative approved by Cabinet the NTE pilot has an agreed set of defined outcomes. These are detailed below in table 1 and a summary of performance to date has been included in the final column.

Table 1 – NTE Pilot Defined Outcomes					
Outcome	Measure of Success				Performance
	Unmet	Met	Exceeded	Significantly Exceeded	Jul – Sept '15
Introduce a NTE pilot by:	Post 01/05/15	01/05/15	13/04/15	01/04/15	Trial commenced on 01/07/15 with member agreement
Reduce NTE noise & nuisance complaints by:	<10%	10-15%	16-20%	21-25%	47% reduction on '14-'15 performance
Reduce NTE ASB complaints by:	<10%	10-15%	16-20%	21-25%	27% reduction on '14-'15 performance
Reduce taxi-related NTE complaints by:	<10%	10-15%	16-20%	21-25%	12% reduction on '14-'15 performance

2.13 If the trial is continued it is recommended that performance is assessed by considering long run data (e.g. 12 month moving totals) which remove seasonality.

## **Patterns of Enforcement**

- 2.14 The performance data provided at Appendix 1 highlights that the majority of work undertaken by the NTE function has been associated with parking issues (predominantly in Thames Street, Windsor) and noise complaints associated with NTE premises across all of the patrolled areas.
- 2.15 The NTE patrols have also recently been tasked with investigating and evidencing problems associated with businesses leaving trade waste out overnight on main public thoroughfares in the main NTE locations.
- 2.16 Current intelligence highlights that the bulk of complaints relate to Windsor and Maidenhead town centres with the majority of incidents relating to issues that occur prior to midnight. This position is corroborated by our personnel who have feedback that workloads reduce after midnight. Whilst this could inform a review of the hours of operation at this stage it is proposed that the second half of the pilot be continued on the same basis as the first in order that we capture full intelligence including any seasonal influence of the winter months on a like for like basis.

#### **Pilot Outcomes**

2.17 The number of complaints made to the council regarding taxis, anti social behaviour and noise etc. has reduced in the first three months of the NTE pilot based on comparative data for the same period last year. Whilst this cannot be attributed solely to the NTE pilot it is likely to be a contributory factor.

- 2.18 The pilot has provided an unprecedented level of accessibility and service provision to local residents, businesses and visitors at times that historically have not been routinely resourced.
- 2.19 The pilot has enhanced the enforcement capability of the council and its ability to react, deal with, investigate or evidence problems that historically would have taken much longer to determine. This in turn means the council will be able to bring issues that affect our residents to a point of resolution or conclusion much quicker than before.
- 2.20 The council has received anecdotal information to suggest levels of self compliance within the NTE community are improved when the resource is present in the NTE locations.
- 2.21 The pilot provides the ability to dynamically task council resources e.g. being able to check issues beyond the boundaries of the NTE locations and being able to pick up issues from other council service areas e.g. business waste investigations as referred at 2.15 above. There is scope for further development and enhancement of this capability as the pilot matures.

**Options** 

Option 4 Option	Implications	Cost pa (£) – provisional estimates
Cease the NTE service at the end of the six month pilot period.  This option is not recommended	The information contained within this report suggests that an NTE service does provide value to Borough residents, visitors and businesses and this will continue to develop if the service is carried on and continues to mature. Ceasing the service would be contrary to the councils drive to increase residents accessibility to services and 24/7 service provision.	No further costs
Continue with the pilot in its current form (incorporating all existing)	Residents, businesses and visitors will continue to benefit from increased accessibility to council	£7,000 full year salary cost –
Community Warden personnel and all additional Community Wardens when	enforcement services;	based on current service
delivered as per the administrations manifesto).	The council will look to continue the service as a voluntary agreement with the existing Community Warden personnel in the first instance. However, there is a risk that these officers may not wish to continue this voluntary arrangement on a permanent basis. If this risk is realised the council will need to utilise the flexibility clause contained within the standard terms and conditions of employment. This approach would require a dialogue and consultation process with a timeframe of at least 12 weeks to allow reasonable notice of the change.	configuration
	There is a risk that this approach could detrimentally affect officer goodwill and morale and could result in some officers discontinuing their employment with the council.	
	There is also a risk that a formal consultation process will result in a temporary stop in service until terms and conditions are formally changed. Temporary arrangements will as per	

Option	Implications	Cost pa (£) -
		provisional estimates
	recommendation iii be implemented where possible so services are maintained.	
This is the recommended option	The council will ensure that any new appointments to the existing and future Community Warden resource (as it increases) will be subject to terms and conditions that enable the provision of services in this way.	
Continue NTE service provision beyond the pilot period utilising permanent Community Warden resource bolstered by supplementary resource from a wider pool on a voluntary arrangement.	Residents, businesses and visitors will continue to benefit from increased accessibility to council enforcement services;  This option could help mitigate any potential impact on daytime Community Warden services. However it would incur additional cost as any supplementary resource would be remunerated on an overtime basis. NTE shifts would be undertaken over and above the supporting officer's normal contractual obligations and 37 hour working week.  This option would also not provide any guaranteed additional resource as the arrangements would be voluntary and subject to	Supplementary resource costs would be dependent on the resource used and the number of shifts undertaken. By way of example an LP3 officer undertaking just 10 of the potential 208 shifts would equate to approximately
	the personal and external commitments of the supplementary resource.  This option would also require the continuation of the arrangement with the Community Warden resource and carries the same risk as detailed in option 2 above should a formal dialogue and	£3,200.
This is not the recommended option  4. Continue to provide NTE patrols but cease patrols at midnight.  This is not the recommended option	consultation process be required.  Whilst this option is a possibility the pilot has yet to conclude and the current data and intelligence is not considered sufficient at this stage to support this decision. A paper is proposed for Cabinet in February 2016 to confirm the final specification of the service based on the findings of the full trial including any seasonal influences should Cabinet be minded to continue the service.	£2,500
Continue to provide the NTE service utilising resource from a wider staff base but ceasing patrols at midnight.	As for option 4 above.	Dependant on the resource but utilising the same example as detailed in option 3 the cost would equate to approximately
This is not the recommended option  6. Cease NTE Patrols at the end of the pilot with a final decision to be agreed at the February 2016 Cabinet.	This option would allow time for a detailed cost benefit analysis to be undertaken using intelligence from the whole pilot. This option would however cause a break in services to residents, visitors and businesses whilst the future of the service is determined. The intelligence from the pilot so far suggests that the service is and will increasingly add value for	£2,000. n/a

Option	Implications	Cost pa (£) – provisional estimates
This is not the recommended option	residents and as such it is anticipated that services will be continued on an ongoing basis from the end of the trial period.	

## 3. Key Implications

Defined Outcome	Unmet	Met	Exceeded	Significantly Exceeded	Delivery Date
Reduce NTE noise & nuisance complaints by:	<10%	10-15%	16-20%	21-25%	31/03/2016
Reduce NTE ASB complaints by:	<10%	10-15%	16-20%	21-25%	31/03/2016
Reduce taxi-related NTE complaints by:	<10%	10-15%	16-20%	21-25%	31/03/2016

#### 4. Financial Details

# a) Financial impact on the budget (mandatory)

Costs allocated to the 6 month pilot when approved are provided below. Expenditure is currently within budget.

	2015/16
	Capital
	£000
Addition	£4,000
Reduction	£0

	2015/16
	Revenue
	£000
Addition	£2,500
Reduction	£0

The financial impact of the proposed option is currently projected to be £7k for salary costs. The actual costs will of course be determined by the final specification agreed for the service. It is proposed that this will be set out in detail within the Cabinet report suggested for consideration by Cabinet in February 2016.

#### 5. Legal Implications

This pilot was implemented in accordance with the enforcement powers detailed in the scheme of delegations within the council's constitution.

Trained Community Wardens have executed these functions in order to mitigate any legal risk to the council in respect of enforcement functions not being implemented or utilised correctly. Appropriate training and instruction may be required if a wider resource pool is utilised.

#### 6. Value for Money

As per 4 detailed above.

# 7. Sustainability Impact Appraisal

None required.

8. Risk Management

Risks	Uncontrolled Risk	Controls	Controlled Risk
Risks to staff safety whilst patrolling NTE.	HIGH	An extensive risk assessment was completed and staff were fully consulted about both the risks and mitigating action that was required	MEDIUM

# 9. Links to Strategic Objectives

# Our Strategic Objectives are:

**Residents First** 

Improve the Environment, Economy and Transport Work for safer and stronger communities

#### Value for Money

**Deliver Economic Services** 

## **Delivering Together**

Enhanced Customer Services Deliver Effective Services

## **Equipping Ourselves for the Future**

Equipping our Workforce
Developing our systems and Structures
Changing our Culture

# 10. Equalities, Human Rights and Community Cohesion

Not required.

# 11. Staffing/Workforce and Accommodation implications

11.1 The pilot has highlighted that the operation of a NTE service draws 28 hours from the normal daytime Community Warden service. This represents 4% of the total daytime service hours for the warden service (based on 18 FTE working 37 hours a week). This draw can reduce the flexibility and resilience that the daytime service has compared to operation without NTE. This has meant that some requests for warden service could not be fulfilled. The operation of a NTE service also means that service coverage is slightly reduced in the daytime when an area officer is deployed to night time shifts and means unplanned or more reactive tasks can sometimes stretch resources. However this is managed across the resource that serves the Borough as a whole rather than being concentrated solely from one area. Consideration could be given to widening the current resource pool in order to improve flexibility and resilience for both daytime and night time operations should Cabinet be minded to continue the NTE service. Consideration could also be given to an alternative two shift configuration for daytime Community Warden services as opposed to the current three shift format. This arrangement could provide greater flexibility and ability to deploy resources to cover peak demand periods and ensure service coverage.

Looking forward to the future, the council will also have greater ability to mitigate this impact as the number of Community Wardens is increased in line with the administrations manifesto.

11.2 The NTE service is currently resourced by Community Wardens through voluntary agreement. Some officers have expressed concern about the pilot becoming permanent due to the level of remuneration offered and the impact of working unsociable hours on a continued basis. The council may need to utilise the flexibility clause included within the standard terms and conditions of employment if the current voluntary staffing arrangements cannot be maintained. In such instance the council has to ensure that there is sufficient consultation and dialogue on the proposed change and that reasonable notice is provided to the personnel involved. Best practice is to reflect the time period associated with a contractual change. This is likely to require a 12 week timetable as a minimum. Consultation would need to commence imminently from the point that Cabinet determines the outcome of this report. As with any change mechanism there is a risk that some officers may choose not to continue their employment with the Borough.

# 12. Property and Assets

The Tinkers Lane depot is the operational base for this resource.

#### 13. Any other implications

None

#### 14. Consultation

This report is scheduled to be considered by the Crime & Disorder Overview & Scrutiny Panel at its meeting of 24 November 2015. The Panels comments will be made available to Cabinet when this report is considered on 26 November.

15. Timetable for Implementation

Action	Date
Cabinet agree continuation of NTE services	26 November 2015
beyond the current pilot stage.	
Conclusion of the NTE pilot	31 December 2015
Cabinet considers a report to determine the	25 <sup>th</sup> February 2016
final specification and configuration of the	
NTE service.	

#### 16. Appendices

Appendix 1 – Statistics for the NTE Pilot (July – September 2015)

#### 17. Background Information

Out of Hours Cabinet Report – July 2014

Night Time Economy Enforcement Cabinet Report – February 2015

18. Consultation (Mandatory)

Name of consultee	Post held and Department	Date sent	Date received	See comments in paragraph:
Internal				
Cllr Burbage	Leader of the Council	30/10/15		
Clir Cox	Lead Member, Environmental Services	27/10/15	27/10/15	
Michaela Rizou/Christopher	Cabinet Policy Assistant/Cabinet	26/10/15 &	27/10/15	

Targowski	Policy Manager	27/10/15		
Alison Alexander	Managing Director	27/10/15		
Simon Fletcher	Director of Operations	26/10/15	27/10/15	
Sean O'Connor/Neil Allen	Shared Legal Services	27/10/15	28/10/15	
Andrew Brooker	Head of Finance	27/10/15		
Mark Lampard	Finance Partner	27/10/15		
Terry Baldwin	Head of HR	27/10/15	27/10/15	
Michelle Dear	HR Business Partner	27/10/15	27/10/15	

# **Report History**

Decision type:	Urgency item?
Non-key decision	No

Full name of report author	Job title	Full contact no:
Brian Martin	Community Safety Manager	01628 796337
Craig Miller	Head of Community Protection &	
	Enforcement	

# Appendix 1

# Statistics for the Night Time Economy Pilot (July – September 2015)

Hours Spent	July	August	September	Total	%age times spent on patrol
- In vehicle	46	73	62	181	50%
- On foot	40.5	41	26	107.5	30%
- Compiling Reports	16	15	16	47	13%
- Other	9.5	11	8	28.5	8%
Total	112	140	112	364	
Number of times visited	0	0	0	0	
- Windsor	23	28	28	79	
- Maidenhead	11	23	16	50	
- Ascot	14	20	12	46	
Eton Wick	18	17	6	41	
Number of following performed					
- Taxi checks	118	134	126	378	
- Taxi issues	21	13	16	50	
- Environmental Protection Checks	33	60	42	135	
- Envronmental / Streetcare issues reported	10	10	4	24	
<ul> <li>No Trading standards issues reported</li> </ul>	0	0	0	0	
- Potential trouble making groups called through to the control room	0	0	0	0	
- Unplanned requests from the police / members of the public	1	1	1	3	
- Other incidents of note	6	3	2	11	



# Agenda Item 11

By virtue of paragraph(s) 1, 4 of Part 1 of Schedule 12A of the Local Government Act 1972.

Document is Restricted

