Report to Scrutiny Committee for Economy, Transport and Environment

Date 20 November 2013

Report By **Director of Communities, Economy and Transport** 

Title of Report Footway Maintenance Policy

Purpose of Report To advise Scrutiny Committee on the County Council's current

**Footway Maintenance Policy.** 

RECOMMENDATION: The Scrutiny Committee is recommended to consider how the current County Council footway maintenance policy operates and to consider areas for Scrutiny review.

#### 1. Financial Appraisal

1.1 The table below summarises the level of expenditure in footway maintenance in recent years:

	2011/2012	2012/2013	2013/2014
Category 1 (Revenue)	£63,899	£95,027	£83,736 to date
Category 2 & 3 (Revenue)	£426,480	£292,088	0
Category 2 & 3 (Capital)	0	0	£195,607 to date
Preventative maintenance (Capital)	£713,600	£734,000	£787,300 to date

#### 2. Supporting Information

- 2.1 The intervention criteria that trigger maintenance in public footways (pavements) are defined by the County Council's maintenance policy, attached at Appendices 1 and 2, along with response times. These policies have evolved over time in accordance with best practice, and will have been reflective of available maintenance budget.
- 2.2 The policy defines three categories of defect depending on the nature of the defect and the situation. For example, the repair of a Category 1 footway defect will be triggered when a 'trip' hazard of 20mm is either found through regular safety inspection by our Highway Stewards or where the fault is reported by a member of the public.
- 2.3 For bitumen pavements the 'trip' hazard is defined as 20mm or more in depth and less than 600mm in width or length. Category 2 or 3 footway defects are below the standards for Category 1 but are judged that they may deteriorate to those levels before the next Inspection is undertaken.
- 2.4 The types of defect that are recorded by the Highway Steward during their routine inspections are as follows:
- Category 1a Emergency works: action required within 2 hours to make safe.
- Category 1b Emergency works: action required within 5 days to make safe.
- Category 2 Planned works: action required within 6 months or by time of next inspection, whichever is the sooner.
- Category 3 Planned works: action required within 12 months or by time of next inspection, whichever is the sooner.

2.5 Over the past 12 months a total of 1,560 Category 1 defects have been repaired and 4,217 Category 2 defects.

### 3. Comments/Appraisal

- 3.1 The recent move to an asset management approach, defined at Cabinet last month, prioritises maintenance based upon condition, importance and the benefits of early intervention.
- 3.2 The County Council maintenance policy ensures a consistent approach to maintenance is applied to all users and to all parts of the county.

#### RUPERT CLUBB

Director of Communities, Economy and Transport

Contact Officer: Roger Williams Tel. No. 01273 482272

Local Member: All

#### **BACKGROUND DOCUMENTS:**

None

#### **MAINTENANCE OF FOOTWAYS - MATERIALS**

**PS 7/3** 

### Purpose of Policy

To make maximum use of the financial resources available.

## Specific Policies

- Footway maintenance shall be carried out in accordance with the standards as laid down in the Transport Asset Management Plan Maintenance Management Policy Documents. \*
- 2. The budget for the reconstruction of footways shall be based upon the use of blacktop materials.
- 3. A three to five year reconstruction programme shall be drawn up so that it's impact on conservation areas can be discussed with the local Planning Authorities.
- 4. In conservation areas of more than local importance (see page 2), surface finishes other than black bituminous materials will generally be specified subject to
  - (a) funds being available within the annual maintenance budget, or
  - (b) the difference in whole life costing between the special surface and bituminous material being contributed by another source, e.g. District Council or Amenity Group or Local Residents.

/Continued overleaf

\* See Policy statement PS 7/1.

#### Supporting Statement

Black bituminous material is by far the most economical form of footway surfacing. Special materials such as paving slabs, coloured concrete, paving bricks or blocks etc. are more costly to lay and maintain and are less capable of resisting the effects of vehicles mounting the footway.

References - Further Information	Date of Approval	
H&T Committee - 22 September 1981 H&T Committee - 13 December 1983 H&T Committee - 20 March 1984 T&E Committee - 03 June 1997 T&E Committee - 10 March 1998 Lead Member Meeting – 26 March 2007 Lead Member Meeting – 15 October 2007	Agenda Item 8.25 Agenda Item 6.27 Agenda Item 8.25 Agenda Item 11 Agenda Item 6 Agenda Item 6 Agenda Item 14	22.09.1981 13.12.1983 20.03.1984 03.06.1997 10.03.1998 26.03.2007 15.10.2007

#### **EAST SUSSEX COUNTY COUNCIL**

# <u>LEAD MEMBER - TRANSPORT AND ENVIRONMENT</u> POLICY SUMMARY

#### MAINTENANCE OF FOOTWAYS – MATERIALS – CONT'D

**PS 7/3** 

#### Specific Policies (continued)

- 5. The Local Planning Authority shall define which streets in their areas are in the conservation areas of more than local importance and shall submit schedules of these to the County Council's Transport and Environment Department for consideration.
- 6. The Local Planning Authority shall be notified of proposed footway reconstruction in conservation areas which cannot be specifically funded by the Highway Authority to determine if they would wish to meet the additional costs of using a different surfacing material and its subsequent maintenance.

Conservation Areas of More than Local Importance

The following conservation areas of more than local importance were agreed at the Lead Member Meeting of the 15 October 2007:

Eastbourne - Meads Street Hastings - Norman Road,

East Ascent, Maze Hill & Kenilworth Road

Lewes - Western Rd (Irelands Lane to High Street),

High Street (Western Rd to Friars Walk).

Wealden - High Street, Alfriston

Rother - Citadel Area of Rye taken to be the following

streets:-Watchbell Street.

Mermaid Street, Market Street, West Street, East Street, Conduit Hill, East Cliff, High Street & The Mint

Church Square.

# TRANSPORT ASSET MANAGEMENT PLAN

MAINTENANCE MANAGEMENT POLICY DOCUMENTS

# GUIDANCE NOTES FOR INSPECTORS WHEN UNDERTAKING SAFETY INSPECTIONS



**CHAPTER FIVE** 



#### INTRODUCTION

Under section 58(2) of the Highways Act<sup>1</sup> the highway authority has a special defence against an action for damages for non-repair of a highway, if the following criteria have been considered;

- (a) the character of the highway, and traffic which was reasonably to be expected to use it;
- (b) the standard of maintenance appropriate for a highway of that character and used by such traffic;
- (c) the state of repair in which a reasonable person would have expected to find the highway;
- (d) whether the highway authority knew, or could reasonably have been 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;
- (e) where the highway authority could not reasonably have been expected to repair that part of the highway before the cause of action arose, what warning notices of its condition had been displayed;

This section provides guidance to inspectors when undertaking safety inspections (see **TAMPMMPD-02**) on roads, footways and cycleways within East Sussex in consideration of (d) and (e) and non-feasance<sup>1</sup>.

#### INSPECTION FREQUENCIES

These shall be undertaken at the frequencies defined in **Inspection Frequencies** (TAMPMMPD-03)

Where short term changes in the network which affect the character of the carriageway, footway or cycleway occur (such as roadwork's, construction sites etc..) then the inspection frequency may be varied with the approval of the Network Manager. Any variations will have to be recorded along with reasons given for the changes in inspection frequency. Upon resumption of the normal inspection regime, then the first normal inspection shall be undertaken at an interval which is less than or equal to the approved interval.

#### CATEGORY OF DEFECT

#### **Safety Assessment Table**

The defect standards and response times adopted have been based on an assessment of the inspection frequency and the potential impact based on the following table:-

		Inspection Frequency				
		Monthly 3 Monthly 6 Monthly				
ب	Very High	1a	1a	1b	1b	
ac	High	1b	1b	2	2	
Impact	Medium	2	2	3	3	
_ =	Low	See Observation Sheet				

TAMPMMPD-05

Non-Feasance means 'omitting to do something'.

The four types of defect which can be recorded by an inspector are:-

Category 1 defects which constitute a real hazard to public safety that are responded to in the following manner:-

- Category 1a emergency works: action required within 2 hours to make safe These defects must not be left unless signed and protected.
- Category 1b emergency works: action required within 5 days to make safe These defects must not be left unless signed and protected.

Category 2 or 3 defects that are below the standards for Category 1 defects but which may deteriorate to those levels before the next Inspection is undertaken. These include all defects to be included within the planned maintenance works programme

- Category 2 Planned works: action required within 6 months or by time of next inspection, whichever is the sooner, dependent upon the requirements of the Traffic Management Act.
- Category 3 Planned works: action required within 12 months or by time of next inspection, whichever is the sooner, dependent upon the requirements of the Traffic Management Act.

**Observations** that are non-intervention defects. They allow the inspector to assess the general street scene and programme repairs when other repairs are being carried out in the vicinity.

Appendix 1 gives guidance on the type of defects which should be recorded for each category of defect.

#### NATURE OF INSPECTION

#### **Inspection Method**

#### Footway Inspections

These shall be a walked inspection, where possible these should be undertaken in the opposite direction when the next inspection occurs.

#### Carriageway Inspection

These shall be a driven inspection, where possible these should be undertaken in the opposite direction when the next inspection occurs.

#### **Defect Identification**

All inspections shall be carried out in a consistent manner with defects recorded in a standard format, covering the following elements;

- a) Carriageway
- b) Footway and Cycleways
- c) Kerbs or Channels
- d) Fences and Pedestrian Barriers
- e) Covers and Gratings
- f) Roadstuds (missing or loose)
- g) Grassed Areas
- h) Hedges
- i) Grips and Ditches
- j) Signs



- k) Street Furniture
- Road Markings

The safety inspections should be undertaken to identify defects which are a hazard to the public or may become a hazard to the public before the next planned inspection is undertaken.

#### Additional Criteria To Be Considered By The Inspector

Vulnerable users are to be treated as a special case in that the risk probability can increase with a greater extent of defect (i.e. in areas of Schools, Hospitals, Old People Homes, etc. and the path taken along carriageways by Cyclists and Motorcyclists.)

On a yearly inspection if an inspector decides that a defect will probably deteriorate by the time of the next inspection then it is possible to upgrade the defect to a category 2 defect.

Where a cycleway is part of or adjoins the carriageway the carriageway is to be inspected using footway intervention criteria.

Any concern regarding the road alignment must be reported to the engineer.

Where a road is particularly obstructed with parked cars and a full inspection can not be carried out, a record must be added at the time of inspection.

Where a defect is the responsibility of a Utility, Private Company or House Owner they must be informed immediately. The defect is to be made safe and a record added at the time of inspection.

#### COMPLAINTS

It is essential that complaints are treated in accordance with their degree of importance. It should therefore be ascertained at the earliest opportunity if the defect should be considered as requiring treatment as a Category 1 defect.

Where Category 1 defects are identified through a public complaint a record should be kept, as for inspection records.

#### **INSPECTION RECORDS**

All repairs shall be recorded and details retained for a minimum of 6 years.

#### REMEDIAL MEASURES

Where a defect is found to be a Category 1 defect and permanent repairs can not be completed within 5 days then temporary measures must be instigated.

Prescriptive remedial measures have not been specifically identified in this document, as this will need to be determined by inspectors based on the severity of the defect, its location and possible choice of replacement materials.

**Bibliography** 

Highways Act 1980 published by The Stationery Office

#### SAFETY DEFECTS CATEGORY 2, 3a & 3b - STRATEGIC ROUTES, MAIN DISTRIBUTOR AND SECONDARY DISTRIBUTOR ROADS Defect **Very High Impact (1a) Medium Impact (2) Low Impact (observation)** Description **Defect** High Impact (1b) Description more than 40mm and less than 100mm more than 100mm deep and All other potholes approaching CPOT Potholes diameter more than 300mm in deep and diameter more than 300mm see observation sheet high impact dimensions running lane in running lane more than 100mm deep and more than 40mm and less than 100mm all other patches approaching high **CPDL** diameter more than 300mm in deep and diameter more than 300mm Patch Failed impact dimensions running lane in running lane more than 100mm deep and more than 40mm and less than 100mm all other trenches approaching CTDL Trench Failed diameter more than 300mm in deep and diameter more than 300mm Carriageways high impact dimensions in running lane running lane (CM) sealant split and weeds more than 30% of joint. sealant moved up or down **CDSP Joints** more than 20mm and more than 30% of **CSTP** Cracks 25mm or more in depth see observation sheet Heave / height 40mm or more and width/length **CHER** see observation sheet Ruttina less than 300mm CFAT Fatting excessive fatting IMIS Missing completely missing cover cover / grating broken and potentially **IBCK** Broken cover / grating broken dangerous Covers and in urban areas where this may IROC Rocking **Gratings (CG)** constitute a noise problem Level **IDLV** higher or lower by 40mm higher or lower by 20mm difference **IPOL** Polished excessive polishing **Grassed Areas** Overrun / heavily rutted greater than 100mm see MOVR Rutted observation sheet (GA) Grips (GP) **GSLT** Silted grip less than 100mm deep **GBLK** Blocked 25% not functioning section length DBLK Ditches (DI) Blocked 25% not functioning section length



SAFETY DEFECT	SAFETY DEFECTS CATEGORY 2, 3a & 3b - STRATEGIC ROUTES, MAIN DISTRIBUTOR AND SECONDARY DISTRIBUTOR ROADS						
Description	Defect	Defect Description	Very High Impact (1a)	High Impact (1b)	Medium Impact (2)	Low Impact (observation)	
	SDAM	Damaged	signs which overhang the carriageway, footway or cycleway and are likely to collapse		other damaged signs		
Signs (SG)	SMIS	Missing		ACTION temporary warning signs shall be erected within 24 hours at locations where regulatory signs occur where the passage of vehicles if not controlled would constitute a hazard to other road users	all regulatory missing signs	all other missing signs	
	SOBS	Obscured			all regulatory signs loss of reflectivity or require cleaning	all other signs loss of reflectivity or require cleaning	
Street Furniture (SF)	FDAM	Damaged	street furniture which overhang the carriageway, footway or cycleway and are likely to collapse		other damaged street furniture		
Road Markings (RM)	RMIS	Missing		ACTION temporary warning signs shall be erected within 24 hours at locations where no overtaking and junction markings are missing	all no overtaking and junction markings	all other road markings	
Hazard Markers	HMIS	Missing			missing or severely damaged hazard markers		
(НМ)	HREF	Reflectivity				more than 50% loss of reflectivity per hazard marker	
Fences and Pedestrian Barriers (FB)	BDAM	Damaged	damaged / impeding highway			any other damage	
Road Studs	TLOS	Loose		loose road studs which could be dislodged by vehicle			
metal (RS)	TMIS	Missing			missing road stud		
Hedges and Trees (HT)	VOVR	Overhanging			hedge or tree overhanging the carriageway obscuring regulatory signs	hedge or tree overhanging the carriageway less than 5.3m height or obscuring other signs	

# SAFETY DEFECTS CATEGORY 4a & 4b - LINK ROADS AND LOCAL ACCESS ROADS

Description	Defect	Defect Description	Very High Impact (1b)	High Impact (2)	Medium Impact (3)	Low Impact (observation)
Carriageways (CM)	СРОТ	Potholes	more than 100mm deep and diameter more than 300mm in running lane	more than 40mm and less than 100mm deep and diameter more than 300mm in running lane	all other potholes approaching high impact dimensions	see observation sheet
	CPDL	Patch Failed	more than 100mm deep and diameter more than 300mm in running lane	more than 40mm and less than 100mm deep and diameter more than 300mm in running lane	all other patches approaching high impact dimensions	
	CTDL	Trench Failed	more than 100mm deep and diameter more than 300mm in running lane	more than 40mm and less than 100mm deep and diameter more than 300mm in running lane	all other trenches approaching high impact dimensions	
	CDSP	Joints				sealant split and weeds more than 30% of joint. sealant moved up or down more than 20mm and more than 30% of joint
	CCRK	Cracks			25mm or more in depth	see observation sheet
	CHER	Heave / Rutting		height 40mm or more and width/length less than 300mm		see observation sheet
	CFAT	Fatting				excessive fatting
	IMIS	Missing	completely missing cover			
	IBCK	Broken	cover / grating broken and potentially dangerous		cover / grating broken	
Covers and Gratings (CG)	IROC	Rocking			in urban areas where this may constitute a noise problem	
	IDLV	Level difference		higher or lower by 40mm		higher or lower by 20mm
	IPOL	Polished				excessive polishing
Grassed Areas (GA)	MRUT	Overrun / Rutted				heavily rutted greater than 100mm see observation sheet
	GSLT	Silted				grip less than 100mm deep
Grips (GP)	GBLK	Blocked				25% not functioning section length
Ditches (DI)	GBLK	Blocked				25% not functioning section length

## SAFETY DEFECTS CATEGORY 4A & 4B - LINK ROADS AND LOCAL ACCESS ROADS

Description	Defect	Defect Description	Very High Impact (1b)	High Impact (2)	Medium Impact (3)	Low Impact (observation)
Signs (SG)	SDAM	Damaged	signs which overhang the carriageway footway or cycleway and are likely to collapse		other damaged signs	
	SMIS	Missing	ACTION: temporary warning signs shall be erected within 24 hours at locations where regulatory signs occur where the passage of vehicles if not controlled would constitute a hazard to other road users	all regulatory missing signs		all other missing signs
	SOBS	Obscured			all regulatory signs loss of reflectivity or require cleaning	all other signs loss of reflectivity or require cleaning
Street Furniture (SF)	BDAM	Damaged	street furniture which overhang the carriageway footway or cycleway and are likely to collapse		other damaged street furniture	
Road Markings (RM)	RMIS	Missing	ACTION: temporary warning signs shall be erected within 24 hours at locations where no overtaking and junction markings are missing	all no overtaking and junction markings		all other road markings
Hazard Markers (HM)	нміѕ	Missing			missing or severely damaged hazard markers	
Tiazaid Markers (Tim)	HREF	Reflectivity				more than 50% loss of reflectivity per hazard marker
Fences and Pedestrian Barriers (FB)	BDAM	Damaged	damaged / impeding highway			any other damage
Road Studs-metal (FB)	TLOS	Loose	loose road studs which could be dislodged by vehicle			
	TMIS	Missing			missing road stud	
Hedges and Trees (HT)	VOVR	Overhanging			hedge or tree overhanging the carriageway obscuring regulatory signs	hedge or tree overhanging the carriageway less than 5.3m height or obscuring other signs

## SAFETY DEFECTS CATEGORY 2 & 3 - PRIMARY WALKING AND SECONDARY WALKING

Description	Defect	Defect Description	Very High Impact (1a)	High Impact (1b)	Medium Impact (2)	Low Impact (Observation)
	FTRP	Trip		difference in level greater than 20mm	difference in level greater than 15mm but less than 20mm	
	FPOT	Depression		deeper than 25mm and length/width less than 600mm	all others approaching high impact dimensions	
	FROK	Rocking Slab		difference in level greater than 20mm	difference in level greater than 15mm but less than 20mm	
	FPDL	Patch failed		difference in level greater than 20mm as trip or deeper than 25mm and length / width less than 600mm as depression	all others approaching high impact dimensions	
Footways and Cycleways (FC)	FTDL	Trench failed		difference in level greater than 20mm as trip or deeper than 25mm and length / width less than 600mm as depression	all others approaching high impact dimensions	
	FMIS	Bricks / Blocks / Cobbles missing		difference in level greater than 20mm		
	FCRC	Cracks		wider than 25mm, longer than 300mm and deeper than 40mm		
	FROT	Tree Roots		difference in level greater than 20mm as trip or deeper than 25mm and length / width less than 600mm as depression	all others approaching high impact dimensions	
	FOVR	Overgrowth				width of path restricted to less than 1.0m
Kerbs or Channels (KB)	KSTP	Vertical Step		difference in level greater than 20mm		
	KLOS	Loose Kerb / Channel / Sett		difference in level greater than 20mm		
	KMIS	Missing			all or part missing (broken)	see observation sheet



#### SAFETY DEFECTS CATEGORY 2 & 3 - PRIMARY WALKING AND SECONDARY WALKING Defect Very High Impact (1a) **Low Impact (Observation)** Description Defect High Impact (1b) **Medium Impact (2)** Description IMIS Missing completely missing cover cover / grating broken and potentially **IBCK** Broken dangerous **Covers and Gratings** difference in level greater than difference in level greater than 20mm IROC Rocking (CG) 15mm but less than 20mm Level **IDLV** higher / lower by 20mm (as trip) difference IPOL Polished excessive polishing likely to collapse Street Furniture (SF) **FDAM** Damaged loose or rocking Fences and Pedestrian **BDAM** Damaged damaged and impeding footway damaged Barriers (FB) Overrun / Grassed Areas (GA) MRUT heavily rutted greater than 100mm Rutting hedge or tree overhanging the Hedges and Trees (HT) footway or cycleway less than VOVR Overhanging 2.4m height

**Appendix 1** 

#### SAFETY DEFECTS CATEGORY 4 & 5 - LINK FOOTWAY AND LINK ACCESS FOOTWAY Defect Description **Defect Very High Impact (1b)** High Impact (2) **Medium Impact (3) Low Impact (Observation) Description** difference in level greater than **FTRP** Trip difference in level greater than 25mm 15mm but less than 25mm deeper than 25mm and length/width all others approaching medium **FPOT** Depression less than 600mm impact dimensions difference in level greater than **FROK** Rocking Slab difference in level greater than 25mm 15mm but less than 25mm difference in level greater than 25mm all others approaching medium **FPDL** Patch failed as trip or deeper than 25mm and length impact dimensions / width less than 600mm as depression difference in level greater than 25mm all others approaching medium Footways and as trip or deeper than 25mm and length **FTDL** Trench failed impact dimensions Cycleways (FC) / width less than 600mm as depression Bricks / Blocks **FMIS** difference in level greater than 25mm / Cobbles missing wider than 25mm, longer than 300mm **FCRK** Cracks and deeper than 40mm difference in level greater than 25mm all others approaching high impact as trip or deeper than 25mm and length **FROT** Tree Roots dimensions / width less than 600mm as depression Width of path restricted to less than FOVR Overgrowth 1,0m **KSTP** Vertical Step difference in level greater than 25mm **Kerbs or Channels** Loose Kerb / **KLOS** difference in level greater than 25mm (KB) Channel / Sett

see observation sheet

**KMIS** 

Missing

all or part missing (broken)

#### SAFETY DEFECTS CATEGORY 4 & 5 - LINK FOOTWAY AND LINK ACCESS FOOTWAY Defect Very High Impact (1b) High Impact (2) Medium Impact (3) **Low Impact (Observation)** Description Defect Description IMIS Missing completely missing cover **Covers and Gratings** cover / grating broken and potentially **IBCK** Broken (CG) dangerous difference in level greater than **IROC** Rocking difference in level greater than 25mm 15mm but less than 25mm Level **IDLV** higher / lower by 20mm (as trip) difference excessive polishing IPOL Polished likely to collapse Street Furniture (FT) **FDAM** Damaged loose or rocking Fences and Pedestrian damaged and impeding **BDAM** Damaged damaged Barriers (FB) footway Overrun / heavily rutted greater than 100mm Grassed Areas (GA) **MRUT** Rutting hedge or tree overhanging the Hedges and Trees (HT) VOVR Overhanging footway or cycleway less than 2.4m height