

## Roads and lighting

---

### **Carriageway condition - percentage of network that should be considered for maintenance treatment**

This indicator shows the percentage of the road network that should be considered for maintenance treatment. This means that there is likely to be some defect in the condition of the road, but councils will need to carry out further detailed investigation and plan their programme having considered other factors including the impact on spending provision, user delays and safety concerns.

The indicator is derived from a combination of road surface condition parameters covering rutting, profile and texture (A roads only) which are collated into a single network level index and assessed against nationally agreed standards.

The indicator is measured on the basis of a survey covering all classes of roads for which the council is responsible.

### **Points to bear in mind**

The condition of roads will be affected by:

- Budgetary constraints
- Traffic flows/usage
- Weather patterns

## Roads and lighting

### Carriageway condition - percentage of network that should be considered for maintenance treatment

Council	Rank in 05/06		PI measurement			Better ✓ or worse ✗ since 03/04		
	1-32	✓1-8 ✗ 25-32	03/04	04/05	05/06	5-9%	10-14%	>15%
Aberdeen City	23		46.0	40.3	48.4	✗		
Aberdeenshire	3	✓	33.8	31.0	33.2			
Angus	4	✓	34.5	37.4	33.6			
Argyll & Bute	16		49.3	48.0	43.5		✓	
Clackmannanshire	22		58.6	53.5	47.7			✓
Dumfries & Galloway	15		44.9	42.5	43.1			
Dundee City	11		47.0	47.8	42.2		✓	
East Ayrshire	12		53.8	49.2	42.7			✓
East Dunbartonshire	20		47.2	40.6	46.5			
East Lothian	6	✓	42.4	49.9	35.0			✓
East Renfrewshire	32	✗	55.4	62.7	55.5			
City of Edinburgh	28	✗	62.3	56.3	50.2			✓
Eilean Siar	10		36.1	47.1	40.2		✗	
Falkirk	29	✗	44.5	47.4	50.5		✗	
Fife	27	✗	46.0	56.3	50.1	✗		
Glasgow City	7	✓	49.6	34.3	35.2			✓
Highland	9		38.9	30.5	35.6	✓		
Inverclyde	21		55.6	57.3	47.1			✓
Midlothian	5	✓	39.2	45.4	34.7		✓	
Moray	14		45.4	40.8	43.0	✓		
North Ayrshire	26	✗	50.1	43.9	49.6			
North Lanarkshire	24		52.9	47.4	49.0	✓		
Orkney Islands	2	✓	32.0	21.1	30.5			
Perth & Kinross	13		44.7	42.0	42.8			
Renfrewshire	19		54.1	51.8	46.3		✓	
Scottish Borders	30	✗	48.0	47.1	50.8	✗		
Shetland Islands	1	✓	40.7	33.1	26.9			✓
South Ayrshire	31	✗	55.4	55.0	55.0			
South Lanarkshire	25	✗	53.4	48.0	49.2	✓		
Stirling	17		59.1	46.3	43.9			✓
West Dunbartonshire	18		47.2	46.9	44.5	✓		
West Lothian	8	✓	23.0	32.1	35.3			✗
			<b>Scotland</b>					
			44.8	41.9	41.8			

Ranked performance	03/04	04/05	05/06
Highest ranked performance	23.0	21.1	26.9
Upper quartile	42.0	40.5	35.5
Median	47.1	47.0	43.7
Lower quartile	53.5	49.4	49.1
Lowest ranked performance	62.3	62.7	55.5

Data features	Symbol	03/04	04/05	05/06
PI not applicable	( - )	0	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2003/04	
<b>Improvement</b>	
5-9%	5
10-14%	4
>15%	8
<b>Decline</b>	
5-9%	3
10-14%	2
>15%	1

#### Notes

An underlined PI measurement indicates unreliable data.

## Roads and lighting

---

### Carriageway condition - percentage of network that should be considered for maintenance treatment

**The following councils were ranked 25th or below in 2003/04:**

Clackmannanshire  
East Ayrshire  
East Renfrewshire  
City of Edinburgh  
Inverclyde  
Renfrewshire  
South Ayrshire  
Stirling

**The following councils did not make any material improvement in their performance by 2005/06:**

East Renfrewshire  
South Ayrshire

## Roads and lighting

---

### **Traffic light repairs – the percentage of repairs completed within 48 hours**

The indicator shows the percentage of all repairs to traffic lights, undertaken within 48 hours of notification to the council. The indicator measures elapsed hours rather than working or contract hours.

### **Points to bear in mind**

The actual repair work is often carried out by a contractor, and in such cases it is the contractor's performance that is, in part, being measured. However, it is the council's responsibility as the client to ensure that a contractor's performance is satisfactory. Councils' own targets for repair times may be expressed in working days, and so may exclude weekends.

Some councils operate a 24 hour fault notification centre and reported performance for such councils may show a lower performance level compared with other councils as repair time commences when the fault is notified to the council even if it is not in a position to notify its contractor at that time.

## Roads and lighting

### Traffic light repairs - the percentage of repairs completed within 48 hours

Council	Rank in 05/06		PI measurement			Better ✓ or worse ✗ since 03/04		
	1-32	✓ 1-8 ✗ 25-32	03/04	04/05	05/06	5-9%	10-14%	>15%
Aberdeen City	6	✓	93.9	94.3	97.3			
Aberdeenshire	18		88.2	96.1	93.0	✓		
Angus	14		94.4	95.9	95.4			
Argyll & Bute	15		100.0	100.0	95.2			
Clackmannanshire	1	✓	88.9	100.0	100.0		✓	
Dumfries & Galloway	29	✗	83.6	78.7	82.2			
Dundee City	7	✓	100.0	FTR	96.8			
East Ayrshire	20		80.1	87.3	91.9		✓	
East Dunbartonshire	30	✗	70.0	73.6	67.0			
East Lothian	10		94.3	100.0	96.1			
East Renfrewshire	17		91.3	91.9	93.1			
City of Edinburgh	3	✓	99.1	98.2	98.1			
Eilean Siar	23		84.6	100.0	90.9	✓		
Falkirk	26	✗	90.0	92.7	88.4			
Fife	22		68.1	94.1	91.6			✓
Glasgow City	8	✓	95.6	95.4	96.4			
Highland	19		97.8	97.3	92.9	✗		
Inverclyde	28	✗	75.9	94.4	83.1	✓		
Midlothian	5	✓	91.8	99.4	97.9	✓		
Moray	1	✓	100.0	100.0	100.0			
North Ayrshire	24		89.0	92.5	90.8			
North Lanarkshire	16		96.2	96.9	94.2			
Orkney Islands	NS		NS	NS	NS			
Perth & Kinross	3	✓	97.1	96.7	98.1			
Renfrewshire	11		91.5	97.6	95.6			
Scottish Borders	27	✗	100.0	100.0	87.5		✗	
Shetland Islands	31	✗	0.0	0.0	0.0			
South Ayrshire	11		80.1	94.0	95.6			✓
South Lanarkshire	9		93.4	96.3	96.3			
Stirling	13		90.5	93.2	95.5	✓		
West Dunbartonshire	25	✗	91.2	93.8	89.2			
West Lothian	20		93.0	87.9	91.9			
			<b>Scotland</b>					
			93.0	94.4	94.0			

Ranked performance	03/04	04/05	05/06
Highest ranked performance	100.0	100.0	100.0
Upper quartile	95.9	98.1	96.4
Median	91.5	95.7	94.2
Lower quartile	86.4	92.8	90.9
Lowest ranked performance	0.0	0.0	0.0

Data features	Symbol	03/04	04/05	05/06
PI not applicable	(-)	0	0	0
No service	(NS)	1	1	1

Count of councils showing significant change since 2003/04	
<b>Improvement</b>	
5-9%	5
10-14%	2
>15%	2
<b>Decline</b>	
5-9%	1
10-14%	1
>15%	-

#### Notes

An underlined PI measurement indicates unreliable data.

## Roads and lighting

---

### Traffic light repairs - the percentage of repairs completed within 48 hours

**The following councils were ranked 25th or below in 2003/04:**

Dumfries & Galloway  
East Ayrshire  
East Dunbartonshire  
Fife  
Inverclyde  
Shetland Islands  
South Ayrshire

**The following councils did not make any material improvement in their performance by 2005/06:**

Dumfries & Galloway  
East Dunbartonshire  
Shetland Islands

## **Roads and lighting**

---

### **Street lights – the percentage of repairs completed within seven days**

The indicator shows the percentage of all repairs undertaken within seven days of notification to the council.

### **Points to bear in mind**

The actual repair work is often carried out by a contractor, and in such cases it is the contractor's performance that is, in part, being measured. However, it is the council's responsibility, as the client, to ensure that a contractor's performance is satisfactory.

## Roads and lighting

### Street light repairs - the percentage of repairs completed within seven days

Council	Rank in 05/06		PI measurement			Better ✓ or worse ✗ since 03/04		
	1-32	✓ 1-8 ✗ 25-32	03/04	04/05	05/06	5-9%	10-14%	>15%
Aberdeen City	17		93.0	90.3	91.7			
Aberdeenshire	27	✗	91.8	93.9	84.8	✗		
Angus	19		79.1	81.5	90.8		✓	
Argyll & Bute	25	✗	93.1	87.7	85.0	✗		
Clackmannanshire	24		91.0	84.0	86.5			
Dumfries & Galloway	31	✗	77.8	89.4	78.6			
Dundee City	11		97.5	96.6	95.7			
East Ayrshire	8	✓	97.2	95.6	97.4			
East Dunbartonshire	30	✗	97.7	92.1	80.7			✗
East Lothian	4	✓	98.1	99.2	97.7			
East Renfrewshire	21		98.5	97.4	89.4	✗		
City of Edinburgh	20		87.1	88.3	89.9			
Eilean Siar	16		96.3	<u>62.9</u>	92.8			
Falkirk	13		94.8	96.5	93.8			
Fife	18		94.9	92.0	91.3			
Glasgow City	1	✓	98.8	98.4	98.7			
Highland	3	✓	97.4	96.4	98.2			
Inverclyde	28	✗	92.7	93.4	82.5			✗
Midlothian	11		90.3	86.0	95.7	✓		
Moray	9		97.1	98.6	97.1			
North Ayrshire	14		70.1	94.2	93.4			✓
North Lanarkshire	4	✓	97.8	98.6	97.7			
Orkney Islands	26	✗	93.4	88.1	84.9	✗		
Perth & Kinross	7	✓	98.2	98.2	97.6			
Renfrewshire	10		98.5	89.1	96.4			
Scottish Borders	23		84.0	83.8	88.4	✓		
Shetland Islands	32	✗	63.3	57.5	50.0			✗
South Ayrshire	15		95.9	95.0	93.0			
South Lanarkshire	2	✓	99.6	99.3	98.4			
Stirling	29	✗	93.4	95.0	82.2			✗
West Dunbartonshire	4	✓	98.2	87.0	97.7			
West Lothian	22		95.2	94.1	89.0	✗		
			<b>Scotland</b>					
			93.9	94.0	93.5			

Ranked performance	03/04	04/05	05/06
Highest ranked performance	99.6	99.3	98.7
Upper quartile	97.7	96.5	97.2
Median	95.1	93.7	92.3
Lower quartile	91.6	88.0	86.1
Lowest ranked performance	63.3	57.5	50.0

Data features	Symbol	03/04	04/05	05/06
PI not applicable	(-)	0	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2003/04	
<b>Improvement</b>	
5-9%	2
10-14%	1
>15%	1
<b>Decline</b>	
5-9%	5
10-14%	2
>15%	2

#### Notes

An underlined PI measurement indicates unreliable data.

## Roads and lighting

---

### Street light repairs - the percentage of repairs completed within seven days

**The following councils were ranked 25th or below in 2003/04:**

Angus  
Clackmannanshire  
Dumfries & Galloway  
City of Edinburgh  
Midlothian  
North Ayrshire  
Scottish Borders  
Shetland Islands

**The following councils did not make any material improvement in their performance by 2005/06:**

Clackmannanshire  
Dumfries & Galloway  
City of Edinburgh  
Shetland Islands

## Roads and lighting

---

### **Road network restrictions - the percentage of council and private bridges assessed that failed to meet the European standard of 40 tonnes**

EC Directive 96/53EC implemented in the UK on 1 January 1999 permits the use of 40 tonne vehicles (44 tonnes for certain configurations) on public roads. The indicator shows the proportion of an authority's bridges that have failed to meet the European standard. Councils with a high percentage of bridges that fail the standard are likely to experience restrictions on their network in the future unless sufficient investment is made to bring them up to an acceptable standard. This part of the indicator is a measure of the Councils weak bridges. Reduction in the value of the indicator with time will be a measure of how well the Council has obtained funding for and progressed with bridge strengthening.

### **Points to bear in mind**

Bridges that do not meet the European standard will not necessarily have restrictions placed on them. They may be managed in the short term by monitoring, propping etc which would not cause restrictions on the road network. However, a high percentage of bridges failing the standard can reflect the potential for under strength bridges to cause restrictions on the network in the future.

## Roads and lighting

Road network restrictions - the percentage of council and private bridges assessed that failed to meet the European standard of 40 tonnes

Council	Rank in 05/06		PI measurement			Better ✓ or worse ✗ since 03/04		
	1-32	✓ 1-8 ✗ 25-32	03/04	04/05	05/06	5-9%	10-14%	>15%
Aberdeen City	11		-	6.7	6.7			
Aberdeenshire	15		-	9.2	8.9			
Angus	2	✓	-	0.4	0.4			
Argyll & Bute	8	✓	-	5.0	4.8			
Clackmannanshire	25	✗	-	12.9	12.9			
Dumfries & Galloway	3	✓	-	0.7	0.6			
Dundee City	28	✗	-	18.4	18.4			
East Ayrshire	13		-	8.1	7.3			
East Dunbartonshire	14		-	8.1	8.1			
East Lothian	10		-	6.3	6.3			
East Renfrewshire	6	✓	-	10.3	3.3			
City of Edinburgh	24		-	21.5	11.8			
Eilean Siar	18		-	10.6	10.5			
Falkirk	5	✓	-	3.1	3.1			
Fife	27	✗	-	17.8	17.7			
Glasgow City	30	✗	-	27.4	27.5			
Highland	31	✗	-	32.6	32.4			
Inverclyde	16		-	15.1	9.1			
Midlothian	17		-	9.3	9.3			
Moray	12		-	7.5	6.9			
North Ayrshire	26	✗	-	14.4	14.4			
North Lanarkshire	21		-	10.0	11.1			
Orkney Islands	1	✓	-	0.0	0.0			
Perth & Kinross	20		-	9.2	10.9			
Renfrewshire	23		-	12.0	11.6			
Scottish Borders	4	✓	-	0.8	0.7			
South Ayrshire	19		-	12.0	10.6			
South Lanarkshire	9		-	6.1	5.9			
Stirling	22		-	33.7	11.2			
West Dunbartonshire	29	✗	-	22.6	23.4			
West Lothian	7	✓	-	4.4	3.9			
			<b>Scotland</b>					
			-	10.2	9.2			

Ranked performance	03/04	04/05	05/06
Highest ranked performance	-	0.0	0.0
Upper quartile	-	6.2	5.4
Median	-	9.3	9.1
Lower quartile	-	14.8	11.7
Lowest ranked performance	-	33.7	32.4

Data features	Symbol	03/04	04/05	05/06
PI not applicable	(-)	31	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2003/04	
<b>Improvement</b>	
5-9%	-
10-14%	-
>15%	-
<b>Decline</b>	
5-9%	-
10-14%	-
>15%	-

### Unreliable/Unreported Data in 2005/06

Council	03/04	04/05	05/06
Shetland Islands	-	FTR	FTR

### Notes

An underlined PI measurement indicates unreliable data.