

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 06/07		PI measurement			Better ✓ or worse ✗ since 04/05		
	1-32	✓1-8 ✗ 25-32	04/05	05/06	06/07	5-9%	10-14%	>15%
Aberdeen City	1	✓	40.3	48.4	38.7			
Aberdeenshire	3	✓	31.0	33.2	39.1			✗
Angus	4	✓	37.4	33.6	39.2			
Argyll & Bute	27	✗	48.0	43.5	56.2			✗
Clackmannanshire	24		53.5	47.7	53.9			
Dumfries & Galloway	16		42.5	43.1	47.7		✗	
Dundee City	11		47.8	42.2	45.2	✓		
East Ayrshire	18		49.2	42.7	49.7			
East Dunbartonshire	9		40.6	46.5	43.8	✗		
East Lothian	14		49.9	35.0	47.4	✓		
East Renfrewshire	31	✗	62.7	55.5	61.6			
City of Edinburgh	17		56.3	50.2	49.1		✓	
Eilean Siar	20		47.1	40.2	50.3	✗		
Falkirk	25	✗	47.4	50.5	54.0		✗	
Fife	29	✗	56.3	50.1	58.6			
Highland	5	✓	30.5	35.6	39.3			✗
Inverclyde	28	✗	57.3	47.1	56.8			
Midlothian	6	✓	45.4	34.7	40.8		✓	
Moray	21		40.8	43.0	50.4			✗
North Ayrshire	19		43.9	49.6	50.1		✗	
North Lanarkshire	15		47.4	49.0	47.5			
Orkney Islands	8	✓	21.1	30.5	42.1			✗
Perth & Kinross	13		42.0	42.8	45.9	✗		
Renfrewshire	12		51.8	46.3	45.4		✓	
Scottish Borders	26	✗	47.1	50.8	55.8			✗
Shetland Islands	1	✓	33.1	26.9	38.7			✗
South Ayrshire	30	✗	55.0	55.0	60.9		✗	
South Lanarkshire	22		48.0	49.2	51.4	✗		
Stirling	23		46.3	43.9	53.1		✗	
West Dunbartonshire	10		46.9	44.5	44.7			
West Lothian	7	✓	32.1	35.3	41.8			✗
			Scotland					
			41.9	41.8	47.5			

Ranked performance	04/05	05/06	06/07
Highest ranked performance	21.1	26.9	38.7
Upper quartile	40.7	37.9	43.0
Median	47.1	43.9	47.7
Lower quartile	49.6	49.1	53.5
Lowest ranked performance	62.7	55.5	61.6

Data features	Symbol	04/05	05/06	06/07
PI not applicable	(-)	0	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2004/05	
Improvement	
5-9%	2
10-14%	3
>15%	-
Decline	
5-9%	4
10-14%	5
>15%	8

Council	04/05	05/06	06/07
Glasgow City	34.3	35.2	59.7

Glasgow City - Not comparable - anomalous machine based measurement results for 2006/2007

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 2004/05:

Clackmannanshire
East Renfrewshire
City of Edinburgh
Fife
Inverclyde
Renfrewshire
South Ayrshire

The following councils did not make any material improvement in their performance by 2006/07:

Clackmannanshire
East Renfrewshire
Fife
Inverclyde
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 06/07		PI measurement			Better ✓ or worse ✗ since 04/05		
	1-32	✓1-8 ✗ 25-32	04/05	05/06	06/07	5-9%	10-14%	>15%
Aberdeen City	18		94.3	97.3	93.6			
Aberdeenshire	25	✗	96.1	93.0	87.2	✗		
Angus	12		95.9	95.4	96.2			
Argyll & Bute	1	✓	100.0	95.2	100.0			
Clackmannanshire	22		100.0	100.0	90.9	✗		
Dumfries & Galloway	29	✗	78.7	82.2	74.0	✗		
Dundee City	1	✓	FTR	96.8	100.0			
East Ayrshire	11		87.3	91.9	96.5		✓	
East Dunbartonshire	30	✗	73.6	67.0	66.7	✗		
East Lothian	8	✓	100.0	96.1	97.3			
East Renfrewshire	15		91.9	93.1	94.0			
City of Edinburgh	4	✓	98.2	98.1	99.0			
Eilean Siar	14		100.0	90.9	94.1	✗		
Falkirk	23		92.7	88.4	90.6			
Fife	6	✓	94.1	91.6	97.7			
Glasgow City	8	✓	95.4	96.4	97.3			
Highland	24		97.3	92.9	89.3	✗		
Inverclyde	19		94.4	83.1	93.0			
Midlothian	5	✓	99.4	97.9	97.9			
Moray	27	✗	100.0	100.0	85.7		✗	
North Ayrshire	17		92.5	90.8	93.8			
North Lanarkshire	21		96.9	94.2	91.8	✗		
Orkney Islands	NS		NS	NS	NS			
Perth & Kinross	10		96.7	98.1	97.0			
Renfrewshire	15		97.6	95.6	94.0			
Scottish Borders	26	✗	100.0	87.5	87.0		✗	
Shetland Islands	31	✗	0.0	0.0	40.0			✓
South Ayrshire	13		94.0	95.6	94.7			
South Lanarkshire	7	✓	96.3	96.3	97.6			
Stirling	28	✗	93.2	95.5	78.7			✗
West Dunbartonshire	1	✓	93.8	89.2	100.0	✓		
West Lothian	20		87.9	91.9	92.3	✓		
			Scotland					
			94.4	94.0	94.3			

Ranked performance	04/05	05/06	06/07
Highest ranked performance	100.0	100.0	100.0
Upper quartile	98.1	96.4	97.3
Median	95.7	94.2	94.0
Lower quartile	92.8	90.9	90.0
Lowest ranked performance	0.0	0.0	40.0

Data features	Symbol	04/05	05/06	06/07
PI not applicable	(-)	0	0	0
No service	(NS)	1	1	1

Count of councils showing significant change since 2004/05	
Improvement	
5-9%	2
10-14%	1
>15%	1
Decline	
5-9%	7
10-14%	2
>15%	1

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 2004/05:

Dumfries & Galloway
East Ayrshire
East Dunbartonshire
East Renfrewshire
Shetland Islands
West Lothian

The following councils did not make any material improvement in their performance by 2006/07:

Dumfries & Galloway
East Dunbartonshire
East Renfrewshire

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 06/07		PI measurement			Better ✓ or worse ✗ since 04/05		
	1-32	✓1-8 ✗ 25-32	04/05	05/06	06/07	5-9%	10-14%	>15%
Aberdeen City	25	✗	90.3	91.7	87.4			
Aberdeenshire	12		93.9	84.8	94.9			
Angus	16		81.5	90.8	92.3		✓	
Argyll & Bute	27	✗	87.7	85.0	87.0			
Clackmannanshire	19		84.0	86.5	91.4	✓		
Dumfries & Galloway	28	✗	89.4	78.6	85.3			
Dundee City	8	✓	96.6	95.7	96.9			
East Ayrshire	18		95.6	97.4	91.8			
East Dunbartonshire	29	✗	92.1	80.7	83.0	✗		
East Lothian	10		99.2	97.7	95.7			
East Renfrewshire	2	✓	97.4	89.4	98.4			
City of Edinburgh	15		88.3	89.9	92.7			
Eilean Siar	23		<u>62.9</u>	92.8	89.3			
Falkirk	9		96.5	93.8	96.2			
Fife	23		92.0	91.3	89.3			
Glasgow City	11		98.4	98.7	95.4			
Highland	17		96.4	98.2	91.9			
Inverclyde	6	✓	93.4	82.5	97.6			
Midlothian	21		86.0	95.7	90.3	✓		
Moray	7	✓	98.6	97.1	97.3			
North Ayrshire	2	✓	94.2	93.4	98.4			
North Lanarkshire	4	✓	98.6	97.7	98.3			
Orkney Islands	31	✗	88.1	84.9	80.4	✗		
Perth & Kinross	5	✓	98.2	97.6	98.2			
Renfrewshire	22		89.1	96.4	90.1			
Scottish Borders	25	✗	83.8	88.4	87.4			
Shetland Islands	32	✗	57.5	50.0	69.6			✓
South Ayrshire	13		95.0	93.0	94.0			
South Lanarkshire	1	✓	99.3	98.4	99.0			
Stirling	19		95.0	82.2	91.4			
West Dunbartonshire	14		87.0	97.7	93.0	✓		
West Lothian	30	✗	94.1	89.0	82.7		✗	
			Scotland					
			94.0	93.5	93.2			

Ranked performance	04/05	05/06	06/07
Highest ranked performance	99.3	98.7	99.0
Upper quartile	96.5	97.2	96.4
Median	93.7	92.3	92.1
Lower quartile	88.0	86.1	88.8
Lowest ranked performance	57.5	50.0	69.6

Data features	Symbol	04/05	05/06	06/07
PI not applicable	(-)	0	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2004/05		
Improvement		
5-9%	3	
10-14%	1	
>15%	1	
Decline		
5-9%	2	
10-14%	1	
>15%	-	

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 2004/05:

Angus
Argyll & Bute
Clackmannanshire
Midlothian
Scottish Borders
Shetland Islands
West Dunbartonshire

The following councils did not make any material improvement in their performance by 2006/07:

Argyll & Bute
Scottish Borders

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 06/07		PI measurement			Better ✓ or worse ✗ since 04/05		
	1-32	✓1-8 ✗ 25-32	04/05	05/06	06/07	5-9%	10-14%	>15%
Aberdeen City	11		6.7	6.7	5.2			✓
Aberdeenshire	16		9.2	8.9	7.9		✓	
Angus	3	✓	0.4	0.4	0.4			
Argyll & Bute	8	✓	5.0	4.8	4.5		✓	
Clackmannanshire	20		12.9	12.9	10.1			✓
Dumfries & Galloway	1	✓	0.7	0.6	0.0			✓
Dundee City	29	✗	18.4	18.4	18.4			
East Ayrshire	10		8.1	7.3	5.1			✓
East Dunbartonshire	15		8.1	8.1	7.0		✓	
East Lothian	12		6.3	6.3	5.8	✓		
East Renfrewshire	5	✓	10.3	3.3	1.9			✓
City of Edinburgh	8	✓	21.5	11.8	4.5			✓
Eilean Siar	24		10.6	10.5	12.1		✗	
Falkirk	7	✓	3.1	3.1	3.1			
Fife	27	✗	17.8	17.7	16.2	✓		
Glasgow City	31	✗	27.4	27.5	27.5			
Highland	32	✗	32.6	32.4	31.0			
Inverclyde	28	✗	15.1	9.1	16.9		✗	
Midlothian	19		9.3	9.3	8.2		✓	
Moray	13		7.5	6.9	5.9			✓
North Ayrshire	25	✗	14.4	14.4	14.3			
North Lanarkshire	23		10.0	11.1	11.4		✗	
Orkney Islands	1	✓	0.0	0.0	0.0			
Perth & Kinross	22		9.2	10.9	10.2		✗	
Renfrewshire	20		12.0	11.6	10.1			✓
Scottish Borders	4	✓	0.8	0.7	0.7		✓	
Shetland Islands	25	✗	FTR	FTR	14.3			
South Ayrshire	18		12.0	10.6	8.1			✓
South Lanarkshire	13		6.1	5.9	5.9			
Stirling	17		33.7	11.2	8.0			✓
West Dunbartonshire	30	✗	22.6	23.4	21.9			
West Lothian	6	✓	4.4	3.9	3.0			✓
			Scotland					
			10.2	9.2	8.4			

Ranked performance	04/05	05/06	06/07
Highest ranked performance	0.0	0.0	0.0
Upper quartile	6.2	5.4	4.5
Median	9.3	9.1	8.0
Lower quartile	14.8	11.7	12.7
Lowest ranked performance	33.7	32.4	31.0

Data features	Symbol	04/05	05/06	06/07
PI not applicable	(-)	0	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2004/05		
Improvement		
5-9%	2	
10-14%	5	
>15%	11	
Decline		
5-9%	-	
10-14%	4	
>15%	-	

Notes

An underlined PI measurement indicates unreliable data.

Roads and lighting

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

The following councils were ranked 25th or below in 2004/05:

Dundee City
City of Edinburgh
Fife
Glasgow City
Highland
Stirling
West Dunbartonshire

The following councils did not make any material improvement in their performance by 2006/07:

Dundee City
Glasgow City
Highland
West Dunbartonshire