

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 04/05		PI measurement			Better ✓ or worse ✗ since 02/03		
	1-32	✓1-8 ✗ 25-32	02/03	03/04	04/05	5-9%	10-14%	>15%
Aberdeen City	8	✓	-	46.0	40.3			
Aberdeenshire	3	✓	-	33.8	31.0			
Angus	7	✓	-	34.5	37.4			
Argyll & Bute	21		-	49.3	48.0			
Clackmannanshire	26	✗	-	58.6	53.5			
Dumfries & Galloway	12		-	44.9	42.5			
Dundee City	20		-	47.0	47.8			
East Ayrshire	23		-	53.8	49.2			
East Dunbartonshire	9		-	47.2	40.6			
East Lothian	24		-	42.4	49.9			
East Renfrewshire	32	✗	-	55.4	62.7			
City of Edinburgh	29	✗	-	62.3	56.3			
Eilean Siar	17		-	36.1	47.1			
Falkirk	28	✗	-	44.5	55.5			
Fife	29	✗	-	46.0	56.3			
Glasgow City	6	✓	-	49.6	34.3			
Highland	2	✓	-	38.9	30.5			
Inverclyde	31	✗	-	55.6	57.3			
Midlothian	14		-	39.2	45.4			
Moray	10		-	45.4	40.8			
North Ayrshire	13		-	50.1	43.9			
North Lanarkshire	19		-	52.9	47.4			
Orkney Islands	1	✓	-	32.0	21.1			
Perth & Kinross	11		-	44.7	42.0			
Renfrewshire	25	✗	-	54.1	51.8			
Scottish Borders	17		-	48.0	47.1			
Shetland Islands	5	✓	-	40.7	33.1			
South Ayrshire	27	✗	-	55.4	55.0			
South Lanarkshire	21		-	53.5	48.0			
Stirling	15		-	59.1	46.3			
West Dunbartonshire	16		-	47.2	46.9			
West Lothian	4	✓	-	23.0	32.1			
			Scotland					
			-	44.8	41.9			

Ranked performance	02/03	03/04	04/05
Highest ranked performance	-	23.0	21.1
Upper quartile	-	42.0	40.5
Median	-	47.1	47.0
Lower quartile	-	53.6	50.4
Lowest ranked performance	-	62.3	62.7

Data features	Symbol	02/03	03/04	04/05
PI not applicable	(-)	32	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2002/03		
Improvement		
5-9%	-	
10-14%	-	
>15%	-	
Decline		
5-9%	-	
10-14%	-	
>15%	-	

Notes

An underlined PI measurement indicates unreliable data.

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 04/05		PI measurement			Better ✓ or worse ✗ since 02/03		
	1-32	✓1-8 ✗ 25-32	02/03	03/04	04/05	5-9%	10-14%	>15%
Aberdeen City	18		94.6	93.9	94.3			
Aberdeenshire	14		91.2	88.2	96.1	✓		
Angus	15		94.1	94.4	95.9			
Argyll & Bute	1	✓	95.5	100.0	100.0			
Clackmannanshire	1	✓	89.5	88.9	100.0		✓	
Dumfries & Galloway	28	✗	82.9	83.6	78.7	✗		
East Ayrshire	27	✗	86.0	80.1	87.3			
East Dunbartonshire	29	✗	83.3	70.0	73.6		✗	
East Lothian	1	✓	98.4	94.3	100.0			
East Renfrewshire	25	✗	80.1	91.3	91.9		✓	
City of Edinburgh	8	✓	97.1	99.1	98.2			
Eilean Siar	1	✓	94.4	84.6	100.0	✓		
Falkirk	23		93.9	90.0	92.7			
Fife	19		82.6	68.1	94.1		✓	
Glasgow City	16		88.1	95.6	95.4	✓		
Highland	10		100.0	97.8	97.3			
Inverclyde	17		72.3	75.9	94.4			✓
Midlothian	7	✓	94.4	91.8	99.4	✓		
Moray	1	✓	100.0	100.0	100.0			
North Ayrshire	24		83.5	89.0	92.5		✓	
North Lanarkshire	11		80.5	96.2	96.9			✓
Orkney Islands	NS		NS	NS	NS			
Perth & Kinross	12		85.1	97.1	96.7		✓	
Renfrewshire	9		91.5	91.5	97.6	✓		
Scottish Borders	1	✓	100.0	100.0	100.0			
Shetland Islands	30	✗	<u>36.4</u>	0.0	0.0			
South Ayrshire	20		95.4	80.1	94.0			
South Lanarkshire	13		82.6	93.4	96.3			✓
Stirling	22		97.4	90.5	93.2			
West Dunbartonshire	21		89.0	91.2	93.8	✓		
West Lothian	26	✗	93.3	93.0	87.9	✗		
			Scotland					
			89.0	93.0	94.4			

Ranked performance	02/03	03/04	04/05
Highest ranked performance	100.0	100.0	100.0
Upper quartile	95.2	95.3	98.1
Median	91.4	91.4	95.7
Lower quartile	83.4	85.5	92.8
Lowest ranked performance	36.4	0.0	0.0

Data features	Symbol	02/03	03/04	04/05
PI not applicable	(-)	0	0	0
No service	(NS)	1	1	1

Count of councils showing significant change since 2002/03	
Improvement	
5-9%	6
10-14%	5
>15%	3
Decline	
5-9%	2
10-14%	1
>15%	-

Unreliable/Unreported Data in 2004/05

Council	02/03	03/04	04/05
Dundee City	98.9	100.0	FTR

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 2002/03:

Dumfries & Galloway
East Renfrewshire
Fife
Inverclyde
North Lanarkshire
South Lanarkshire

The following councils did not make any material improvement in their performance by 2004/05:

Dumfries & Galloway

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 04/05		PI measurement			Better ✓ or worse ✗ since 02/03		
	1-32	✓1-8 ✗ 25-32	02/03	03/04	04/05	5-9%	10-14%	>15%
Aberdeen City	20		86.4	93.0	90.3			
Aberdeenshire	16		70.0	91.8	93.9			✓
Angus	30	✗	75.7	79.1	81.5	✓		
Argyll & Bute	25	✗	91.3	93.1	87.7			
Clackmannanshire	28	✗	89.5	91.0	84.0	✗		
Dumfries & Galloway	21		79.1	77.8	89.4		✓	
Dundee City	8	✓	97.9	97.5	96.6			
East Ayrshire	11		98.3	97.2	95.6			
East Dunbartonshire	18		93.3	97.7	92.1			
East Lothian	2	✓	91.9	98.1	99.2	✓		
East Renfrewshire	7	✓	99.0	98.5	97.4			
City of Edinburgh	23		84.6	87.1	88.3			
Falkirk	9		96.8	94.8	96.5			
Fife	19		85.4	94.9	92.0	✓		
Glasgow City	5	✓	97.0	98.8	98.4			
Highland	10		96.7	97.4	96.4			
Inverclyde	17		90.2	92.7	93.4			
Midlothian	27	✗	77.5	90.3	86.0		✓	
Moray	3	✓	97.4	97.1	98.6			
North Ayrshire	14		95.8	70.1	94.2			
North Lanarkshire	3	✓	93.1	97.8	98.6	✓		
Orkney Islands	24		86.5	93.4	88.1			
Perth & Kinross	6	✓	98.5	98.2	98.2			
Renfrewshire	22		97.1	98.5	89.1	✗		
Scottish Borders	29	✗	86.1	84.0	83.8			
Shetland Islands	31	✗	77.0	63.3	57.5			✗
South Ayrshire	12		97.1	95.9	95.0			
South Lanarkshire	1	✓	99.4	99.6	99.3			
Stirling	12		89.7	93.4	95.0	✓		
West Dunbartonshire	26	✗	93.6	98.2	87.0	✗		
West Lothian	15		93.7	95.2	94.1			
			Scotland					
			90.9	93.9	94.0			

Ranked performance	02/03	03/04	04/05
Highest ranked performance	99.4	99.6	99.3
Upper quartile	97.1	97.8	96.6
Median	93.1	94.9	93.9
Lower quartile	86.3	91.4	88.2
Lowest ranked performance	70.0	63.3	57.5

Data features	Symbol	02/03	03/04	04/05
PI not applicable	(-)	0	0	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2002/03	
Improvement	
5-9%	5
10-14%	2
>15%	1
Decline	
5-9%	3
10-14%	-
>15%	1

Unreliable/Unreported Data in 2004/05

Council	02/03	03/04	04/05
Eilean Siar	79.0	96.3	<u>62.9</u>

Reason for Unreliable Determination in 2004/05

Eilean Siar - Information incomplete due to 6 months data being lost on transfer to new system.

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 2002/03:

Aberdeenshire
Angus
Dumfries & Galloway
City of Edinburgh
Eilean Siar
Fife
Midlothian
Shetland Islands

The following councils did not make any material improvement in their performance by 2004/05:

City of Edinburgh
Eilean Siar (unreliable in 2004/2005)
Shetland Islands

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 04/05		PI measurement			Better ✓ or worse ✗ since 02/03		
	1-32	✓1-8 ✗ 25-32	02/03	03/04	04/05	5-9%	10-14%	>15%
Aberdeen City	10		-	-	6.7			
Aberdeenshire	14		-	-	9.2			
Angus	2	✓	-	-	0.4			
Argyll & Bute	7	✓	-	-	5.0			
Clackmannanshire	22		-	-	12.9			
Dumfries & Galloway	3	✓	-	-	0.7			
Dundee City	26	✗	-	-	18.4			
East Ayrshire	12		-	-	8.1			
East Dunbartonshire	12		-	-	8.1			
East Lothian	9		-	-	6.3			
East Renfrewshire	18		-	-	10.3			
City of Edinburgh	27	✗	-	-	21.5			
Eilean Siar	19		-	-	10.6			
Falkirk	5	✓	-	-	3.1			
Fife	25	✗	-	-	17.8			
Glasgow City	29	✗	-	-	27.4			
Highland	30	✗	-	-	32.6			
Inverclyde	24		-	-	15.1			
Midlothian	16		-	-	9.3			
Moray	11		-	-	7.5			
North Ayrshire	23		-	-	14.4			
North Lanarkshire	17		-	-	10.0			
Orkney Islands	1	✓	-	-	0.0			
Perth & Kinross	14		-	-	9.2			
Renfrewshire	20		-	-	12.0			
Scottish Borders	4	✓	-	-	0.8			
South Ayrshire	20		-	-	12.0			
South Lanarkshire	8	✓	-	-	6.1			
Stirling	31	✗	-	-	33.7			
West Dunbartonshire	28	✗	-	-	22.6			
West Lothian	6	✓	-	-	4.4			
			Scotland					
			-	-	10.2			

Ranked performance	02/03	03/04	04/05
Highest ranked performance	-	-	0.0
Upper quartile	-	-	6.2
Median	-	-	9.3
Lower quartile	-	-	14.8
Lowest ranked performance	-	-	33.7

Data features	Symbol	02/03	03/04	04/05
PI not applicable	(-)	31	31	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2002/03	
Improvement	
5-9%	-
10-14%	-
>15%	-
Decline	
5-9%	-
10-14%	-
>15%	-

Unreliable/Unreported Data in 2004/05

Council	02/03	03/04	04/05
Shetland Islands	-	-	FTR

Notes

An underlined PI measurement indicates unreliable data.

Roads and lighting

Road network restrictions - the percentage of council and private bridges assessed that have a weight or width restriction placed on them

The indicator shows the percentage of bridges that have failed to achieve the European standard and have a weight or width restriction placed on them thereby impinging on free traffic flow across the roads network.

Weight restrictions mean that the maximum gross weight of vehicles using the bridge is restricted to less than 40 tonnes (or the maximum axle load restricted to less than 11.5 tonnes) by a traffic regulation order (temporary or permanent) made under the Roads (Scotland) Act 1984.

Width restrictions mean that the width of the bridge has been restricted by temporary or permanent measures in order to allow bridges which would otherwise fail the European standard to carry 40/44 tonne vehicles.

Any increase in the indicator over time will show the extent to which a council has protected its weak bridges by weight or width restriction rather than bridge strengthening or securing permanent satisfactory solutions

Points to bear in mind

Bridges with a weight or width restriction placed on them exclude those bridges where the authority has secured a permanent satisfactory solution. A permanent satisfactory solution, usually a weight or width restriction which is acceptable to the community and to the local road network, represents traffic management rather than a forced constraint on the network. It will have been applied following a legal process involving local consultation resulting in a permanent restriction, enforced by a permanent traffic regulation order.

Roads and lighting

Road network restrictions - the percentage of council and private bridges assessed that have a weight or width restriction placed on them

Council	Rank in 04/05		PI measurement			Better ✓ or worse ✗ since 02/03		
	1-32	✓1-8 ✗ 25-32	02/03	03/04	04/05	5-9%	10-14%	>15%
Aberdeen City	13		-	-	2.1			
Aberdeenshire	6	✓	-	-	0.6			
Angus	4	✓	-	-	0.4			
Argyll & Bute	18		-	-	4.6			
Clackmannanshire	28	✗	-	-	8.6			
Dumfries & Galloway	3	✓	-	-	0.1			
Dundee City	30	✗	-	-	13.2			
East Ayrshire	11		-	-	1.4			
East Dunbartonshire	15		-	-	2.7			
East Lothian	1	✓	-	-	0.0			
East Renfrewshire	23		-	-	6.4			
City of Edinburgh	22		-	-	5.3			
Eilean Siar	26	✗	-	-	8.2			
Falkirk	6	✓	-	-	0.6			
Fife	29	✗	-	-	9.2			
Glasgow City	19		-	-	4.7			
Highland	10		-	-	1.1			
Inverclyde	31	✗	-	-	17.2			
Midlothian	24		-	-	7.2			
Moray	13		-	-	2.1			
North Ayrshire	20		-	-	4.8			
North Lanarkshire	16		-	-	3.0			
Orkney Islands	1	✓	-	-	0.0			
Perth & Kinross	16		-	-	3.0			
Renfrewshire	25	✗	-	-	7.6			
Scottish Borders	9		-	-	0.7			
South Ayrshire	11		-	-	1.4			
South Lanarkshire	5	✓	-	-	0.5			
Stirling	26	✗	-	-	8.2			
West Dunbartonshire	20		-	-	4.8			
West Lothian	6	✓	-	-	0.6			
			Scotland					
			-	-	2.5			

Ranked performance	02/03	03/04	04/05
Highest ranked performance	-	-	0.0
Upper quartile	-	-	0.7
Median	-	-	3.0
Lower quartile	-	-	6.8
Lowest ranked performance	-	-	17.2

Data features	Symbol	02/03	03/04	04/05
PI not applicable	(-)	31	31	0
No service	(NS)	0	0	0

Count of councils showing significant change since 2002/03	
Improvement	
5-9%	-
10-14%	-
>15%	-
Decline	
5-9%	-
10-14%	-
>15%	-

Unreliable/Unreported Data in 2004/05

Council	02/03	03/04	04/05
Shetland Islands	-	-	FTR

Notes

An underlined PI measurement indicates unreliable data.