

Roads Maintenance Municipal Services

2016 – 2018 Roads Programme

2016 Footpath Programme

February 2016

Introduction

The Annual Roads and Footpath programmes are usually presented to the 2 Area Committees of the County Council at this time.

There are a number of items which impact on the programmes for 2016 which are:

1. Circular 2015/21 '2016 – 2018 Multi-Annual Restoration Improvement Programme' was issued by the DoTTaS on 1st December 2015. This requires a 3 year Roads Programme to be developed.
2. Funding limitations.
3. Implementation of Pavement Condition ratings and Prioritisation model for Roads Programmes
4. Future Roads Maintenance funding prediction modelling

Funding

The Footpath Programme is funded from Parking income, which has seen an increase from €480K to €780K in the 2016 Budget. This increase is welcomed and will result in an improved footpath network and a reduction in the number of Public Liability Claims resulting from trips and falls in the County.

Up to 2014 Roads Maintenance was part funded through grants from the Department of Transport Tourism and Sport (DoTTAS)

Since 2015 these grants were funded by Local Property Tax income

It should be noted that the change from grant funding to LPT has resulted in a reduced income to Roads Maintenance of approx. 500K / annum.

The LPT allocation for Roads maintenance in 2015 was ca. €3.5M, of which €2.7M is used to finance the Roads Programme and the remainder €0.8M discretionary – minor works.

This funding level is approx. €500K/annum less than that received in prev. 5 years of grant funding. The DoTTAS used to provide additional finance for emergency works, stimulus packages, and funding for project overruns.

As per previous years the schemes being done under these programmes need to be supplemented by other sources such as Area Engineers' Minor Works allocations, Capital levies, "Long Term Damage" funds, Estate Management funds, NRA and NTA grants where relevant.

Pavement Condition Surveys.

As part of the National initiative to move towards Asset Management away from traditional methods, Roads Maintenance has carried out PSCI surveys on the Road Network in the County

PSCI (Pavement Surface Condition Index) is a visual survey of the road network, where roads are categorised between 1 and 10 in accordance with the table below:

Overall PSCI rating	Treatment Measures	Surface	Structure
10	No Maintenance Required	Excellent	
9		Very Good	
8	Routine Maintenance	Fair	Good
7		Poor	
6	Surface Restoration	Fair	Fair
5		Poor	
4	Structural Rehabilitation	Poor Overall	
3			
2	Road Reconstruction	Very Poor Overall	
1		Failed Overall	

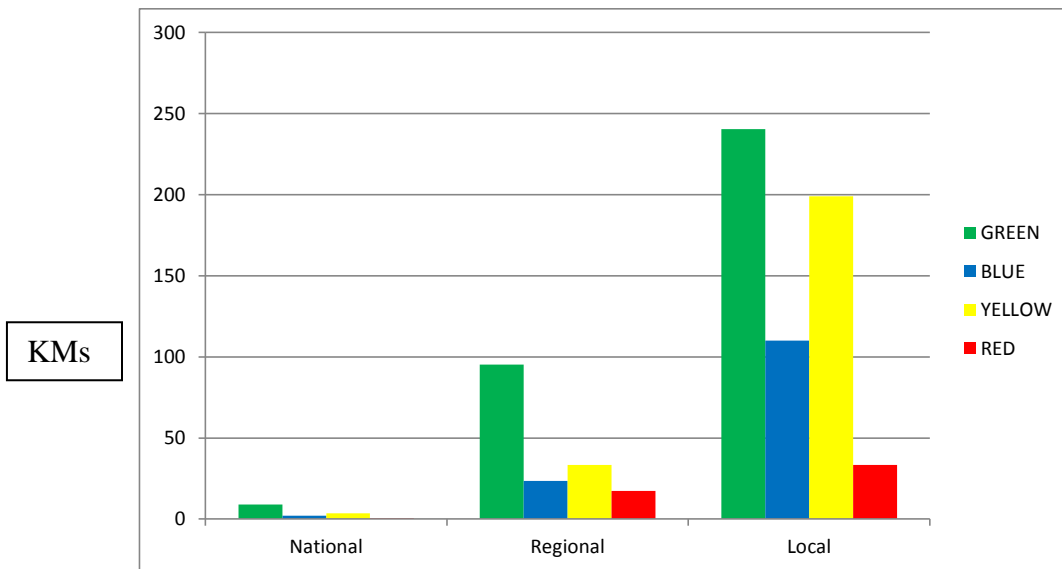
TABLE 1

The PSCI is a holistic approach to road condition in the County and Nationally. It is not intended to record localised poor patches or potholes. Similar ratings systems are to be rolled out to footpaths and road drainage in due course.

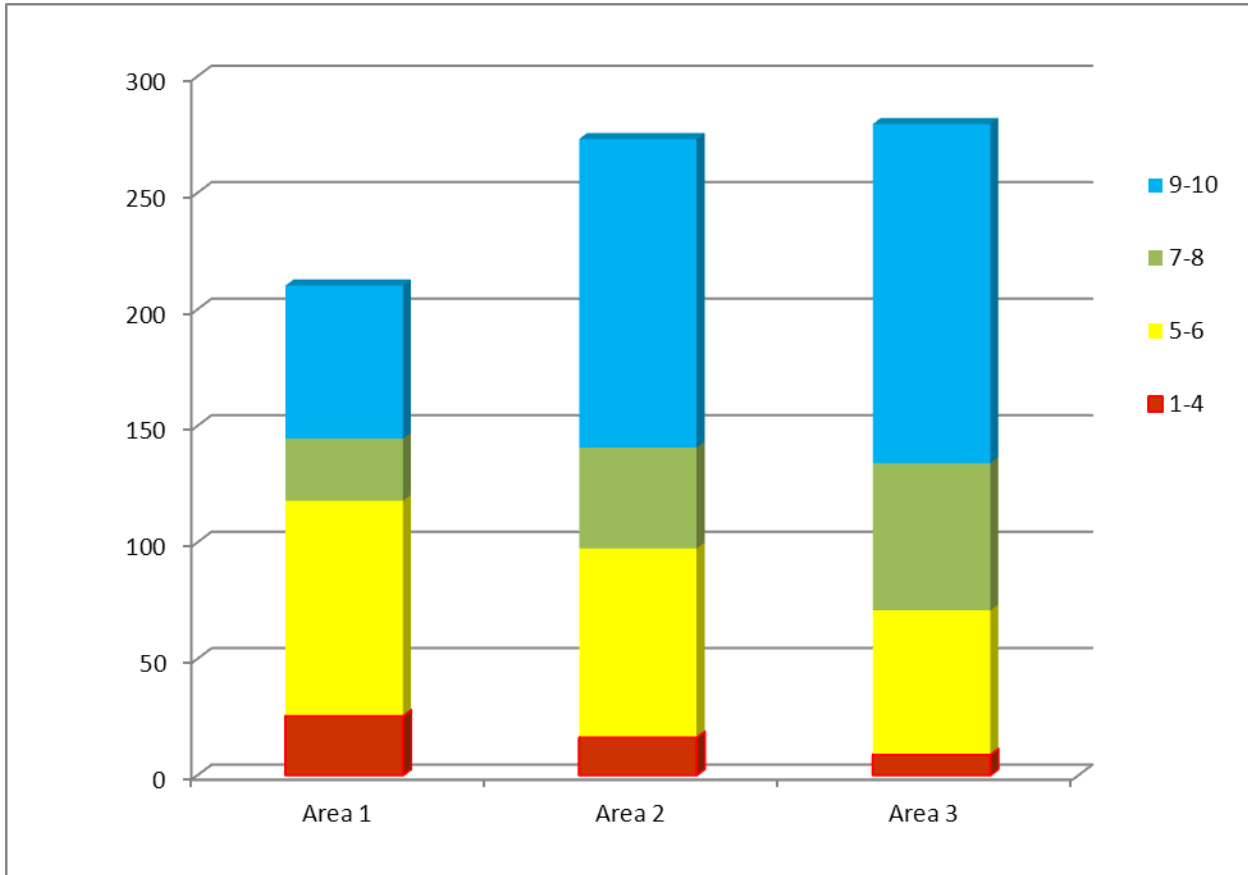
The PSCI survey results are summarised in the tables and graphs below:

Category	1	2	3	4	5	6	7	8	9	10
KMs	0.82	1.27	2.93	46.47	54.43	181.57	30.17	105.40	272.34	72.40
%	0.11%	0.17%	0.38%	6.05%	7.09%	23.65%	3.93%	13.73%	35.47%	9.43%
KMs	51.50				236.00		135.58		344.73	
%	7%				31%		18%		45%	

TABLE 2 PSCI COUNTY WIDE – per category



GRAPH 1 PSCI per Road Classification



GRAPH 2 PSCI per Engineering Area

The following observations with respect to the survey data can be noted:

1. Overall the results are as expected
2. The East side (Area 1) of the county has a greater proportion of roads in poor condition.
3. Overall 31% in Ratings 5 and 6 (Yellow) – this is the critical category and roads within this category need to be maintained to keep these from deteriorating further and becoming red category roads.

Prioritisation of Road schemes

Historically the roads programmes have been developed through a combination of technical assessment and requests from deputations, and other representations.

In future the Roads Programmes will be developed using a priority system. The prioritisation model is taken from IPAG (Irish Pavement Asset Group) – Pavement Asset Management guidance manual. IPAG was set up under the aegis of the LGMA (Local Government Management Agency), and includes members from the DoTTAS, Local Authorities and the LGMA

The main criterion for prioritisation of a road is the Pavement Condition or PSCI rating.

However prioritisation must also take into account:

- Road Classification
- Life span (if road material has reached end of life)
- Strategic importance,
- Bus Routes
- Representations from members of the public or Councillors

All representations for restoration of a road (through CRM or otherwise) will be included in the priority list, and considered for inclusion in an annual programme, minor repairs, or emergency works.

So, it is considered that using this prioritisation model will result in better use of public funds, and provide the County with better value for money in overall Road Network Maintenance

Irish Water

Road Maintenance has recently been in negotiation with Irish Water (IW) with a view to ensuring that watermains rehabilitation schemes are carried out ahead of road restoration.

These meetings have been positive and works to Bird Avenue (2016) Monkstown Road, (2017) and Highridge Green, (2018) are included in the 3 year programme. It is expected that IW are now in a position to coordinate their works ahead of the Roads programme.

Other Considerations

It is planned to notify all the **Statutory Utility Companies** in the next week so that any services they wish to repair, renew or install shall be carried out prior to the Council carrying out its works.

In addition to the roads and footpaths identified above with the aid of the funds referred to above, it is hoped that it will be possible to do a number of additional roads in the current year. No commitment to carry out works to any of these additional roads can be given until the agreed Programme is completed, and additional funding is sourced, as necessary.

The patching programme, delayed in 2015 due to procurement, will be rolled out in 2016, however, this will be limited due to funding constraints.

Appendix 1 shows a list setting out the proposed Roads and Footpath Works to be carried out with the assistance of these.

A Location Map is also provided in **Appendix 2 (to be circulated at the Area Committee Meetings)**

Ivar Blanker
Senior Executive Engineer
Roads Maintenance
18 Feb 2016

Appendix 1

Engineering Area	Road Class	Road Name	Comment
2016 Roads			
1	LT	Salthill DART Station Access Road	commitment
1	LP	Pearse Villas	commitment
1	LS	Hillside and Dalkey Park	commitment
1	LT	Brooklawn Mount Merrion Avenue	commitment
1	LS	Tivoli Terrace South	commitment
1	LT	Desmond Avenue	commitment
1	LT	Fairlawns, Dalkey	commitment
1	LS	Commons Road (Part of)	commitment
1	LS	Annaville Avenue (Blackrock)	commitment
2	LT	Allen Park Road / Drive	commitment
2	LT	Woodbrook Glen (Part of)	Commitment
2	LS	St Bridgets Park / Gort na Mona Drive	commitment
2	LT	Myrtle Grove	
3	LP	Bird Avenue	Works to follow Irish Water watermains upgrade.
3	LP	Devil's elbow	Skid Resistance
3	LP	Ballyedmonduff House	Skid Resistance
3	LP	Killegar Lane	Skid Resistance

Engineering Area	Road Class	Road Name	Comment
2017 Roads			
1	R	Monkstown Road	Works to follow Irish Water watermains upgrade.
1	LP	Avoca Avenue	
2	LS	Granitefield(Part of)	commitment
2	LT	Monaloe(Part of)	commitment
2	LS	Sycamore Road(Part of)	commitment
2	LT	Merville Avenue	commitment
2	LT	Seafield Road(Part of)	commitment
2	LP	Kilgobbin Road	
2	LP	South Avenue(Part of)	
3	LP	Nutgrove Way	Carry forward from 2015
3	LP	Barton Road	Carry forward from 2015
3	LS	Slate Cabin Lane(Part of)	commitment

Engineering Area	Road Class	Road Name	Comment
2018 Roads			
1	LT	Loughlinstown Drive (Part off)	
1	LP	Ballinlea Road	
1	LP	Newtownpark Avenue	
2	LT	Furze Road	commitment
2	LT	Highridge Green	commitment
2	LS	Mather Road North	commitment
2	LT	Gort Na Mona Drive	commitment
2	LT	Seafield Road(Part of)	commitment
2	LT	Woodbrook Glen(Part of)	commitment
3	LP	Ballinteer Avenue	
3	R	Ballybetagh Road(Part of)	Johnny Fox's to Amberley

Engineering Area		Road Name	Comment
2016 Footpaths			
1		Desmond Avenue	
1		Upper Georges Street	
1		Tivoli Terrace South	In tandem with Roads Programme
1		Annaville Avenue	In tandem with Roads Programme
1		Avoca Avenue	In tandem with Roads Programme
1		Shanganagh road at Rathsallagh	
2		Shanganagh road at BBQ centre	
2		St Thomas Road / Mead	ongoing works from 2015
2		The Rise Mount Merrion (Part Of)	
2		Highridge Green	In tandem with Roads Programme (2017)
3		St Laurence Park (Part Of)	
3		Bird Avenue	In tandem with Roads Programme (2016)
3		Marley Grange Estate	
3		Balally Estate	
3		Broadford Estate	
3		Lynnwood Estate	
3		Faranboley Cottages	

Appendix 2

A map showing the location of each scheme on the Programme will be issued to each Councillor at the Area Committee meetings of 22nd February, and 7th March 2016