
Director of Engineering Memorandum**DEM 160/16****DEM TITLE: Road Maintenance Standards for Safety – Limited Service
in 2016/17**

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Level 1 (Title / Key Words) :	Maintenance Standards, Limited Service, safety inspections, defects, response times
Level 2 : (Directorate/ <u>Owner</u>):	Network Services
Level 3: (RSHQ or HoBU Managed Function):	Network Maintenance Group
Level 4 : (Work Areas)	Maintenance

Purpose

The purpose of this memorandum is to confirm and clarify to TransportNI staff the policy in relation to the delivery of the limited road maintenance service commencing 1st April 2016 and subsequent amendments on 9th May and 20th June 2016.

Scope

This limited service is intended as an interim measure brought about by significant financial pressures. Should the financial situation improve, the service being delivered may revert back to that detailed in RSPPG E019.

This DEM deals primarily with the prioritisation and repair of defects and the delivery of 'routine' maintenance functions. Aspects of the maintenance regime not covered in this DEM (e.g. inspection intervals, defect category definitions etc.) should still be undertaken / interpreted as per RSPPG E019 or DEM 158/15 (Revised Inspection Frequencies)

Background

During 2016/17 the Department is facing a significant budget shortfall. In order to deliver a 'normal' maintenance service a budget of some £48m is required. The available opening budget for 2016/17 is approximately half this amount.

As a result of the budget shortfall it has been agreed that a reduced level of service will be implemented commensurate with the available budget. This will

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ensure that the highest priority defects continue to be repaired and that the highest priority, safety related maintenance can be undertaken.

Definitions

O&M: Transport NI Operations & Maintenance

NS: Network Services

Policy

Inspections

- Maintenance inspections should continue as per the revised inspection frequencies (DEM 158/15).
- Only those defects that are to be instructed for repair are to be recorded and marked out.
- The area marked out for repair shall be limited to the removal / making safe of the actionable defect only.

Patching

- All Category 1, 2 and 3 defects that attract an R1, R2 or R3 response are to be issued to O&M for repair.
- Where O&M do not have sufficient capacity defects may be issued to external contractor for repair within available budget limits.
- In order to minimise the cost per defect, consideration should be given to more use of overlay patching including velocity patching where appropriate.

Grass Cutting

- Schedules to be issued to O&M to enable two cuts to be completed across all urban/rural areas.
- Where O&M cannot complete the two cuts by mid September, schedules may be issued to external contractor within available budget limits.
- On completion of the two cuts, sight lines only to be issued within available budget limits.

Gully Cleaning

- Schedules to be issued to O&M to enable a single gully clean to be completed across the network.
- Schedules should also be issued for a second gully clean in urban areas.
- Where O&M do not have sufficient capacity, schedules may be issued to external contractors within available budget limits.
- Once the scheduled cleans are completed only reactive cleaning is to be carried out.

Weed Control

- Schedules to be issued to external contractor as required.
- Where possible O&M should be instructed to undertake invasive weed control.
- Treatment of invasive species / noxious weeds to be undertaken as required within available budget limits.

Road Markings

- NS to order safety related renewals to O&M / external contractor as required.
- NS / O&M to manage within budget limits
- Maintenance of traffic signs/roads markings should be prioritised to concentrate on regulatory signs and markings and those longitudinal lines necessary for continued road safety.

Bridge Maintenance

- Emergency related / high priority defects should be made safe, on a priority basis, within available budget limits. Public safety must not be compromised.
- Bridge Inspections should continue as normal and any defects should be noted and prioritised accordingly. Interim arrangements might necessitate road/lane closures for safety reasons.

Emergency Response

- NS to issue work instructions to O&M as required.
- Where the use of external contractors is considered to be absolutely essential, they can be employed at the discretion of Divisions within available budget limits.

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Traffic Signal Maintenance

- The maintenance of traffic signals will continue at the reduced level of service as agreed during 2015.

Other

- All other maintenance work not detailed above should be prioritised and instructed to O&M / external contractor within available budget limits.

Winter Service

- There is currently no funding available for the delivery of winter service during 2016/17. In anticipation of in year funding bids being successful Divisions should prepare to provide a 'normal' winter service during 2016/2017.

Equality

The overarching RSPPG was considered in terms of section 75 equality implications. An EQIA screening considered that it did not have significant implications for equality of opportunity, thereby making it unnecessary to carry out a full Equality Impact assessment. The same principle applies to this DEM.

The implementation of this DEM will have an equal impact on all road users regardless of their Section 75 status.

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Road Maintenance Standards for Safety – Limited Service - Appendix 1 - Defects to be instructed for repair – Effective from 20th June 2016

Road Element & Location		Traffic Volume	Inspection Frequencies	Defect Response Times				
				Cat 0	Cat 1 (>100mm)	Cat 2 (>50-100mm)	Cat 3 (>20-50mm)	Cat 4
Motorway			Daily (Mon - Sat)	On Motorways a safety patrol is undertaken daily Monday to Saturday to remove debris and identify defects				
C'ways	Urban	High Traffic (>5,000 vpd)	1 month	R0	R1	R1	R2	
		Medium Traffic (1,500 - 5,000 vpd)	3 months	R0	R1	R2	R3	
		Low Traffic (< 1,500 vpd)	6 months	R0	R1	R2	R3	
	Rural	High Traffic (>5,000 vpd)	1 month	R0	R1	R2	R2	
		Medium Traffic (500 - 5,000 vpd)	3 months	R0	R1	R2	R3	
		Low Traffic (<500 vpd)	6 months	R0	R2	R3		
Footways & Footpaths	High Traffic (Town & City centres)		1 month	R0	R1	R1	R2	
	Medium Traffic (Busy urban footways leading from housing estates and car parks to town and city centres. Main streets in villages.)		3 months	R0	R1	R2	R3	
	Low Traffic (high risk - see note 3) Housing estates with a high incidence of defects.		3 months	R0	R1	R2	R3	
	Low Traffic Housing estates, other urban footways and rural footways.		6 months	R0	R1	R2	R3	
Car Parks	Town and city centers (those located within the central business area)		1 month	R0	R1	R1	R2	
	All other car parks		3 months	R0	R1	R2	R3	

R0 – Repair or make safe as soon as practical
R1 – Repair or make safe before the end of the **next calendar day**
R2 – Repair or make safe within **5 working days**

R3 – Repair within **4 weeks**
R4 – Currently not being repaired

Appendix 1 cont'd

Notes:

1. vpd = vehicles per day (total of flows in both directions) - AADT.
2. Urban areas are generally those within 20 mph, 30 mph or 40 mph speed limits.
3. On motorways, a safety patrol is undertaken daily Monday to Saturday to remove debris and identify safety defects
4. Where the footways in an urban estate have been classified as low traffic/high risk, then it will be normal to inspect the associated carriageways at the same interval.
5. Cycletracks are treated same as footways unless they are part of the carriageway.
6. Category 4 means work to be considered for forthcoming work programmes irrespective of the traffic category of the road

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Control Sheet - **Director of Engineering Memorandum DEM 160/16**

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Document History

Version	Date	Author
1	01/04/16	A McMurray
2	09/05/16	A McMurray
3	20/06/16	A McMurray/J Kelly

Overall Reasons For This Version

Version	Reasons
1	First issue of DEM
2	Clarification and Amendment to defects to be repaired
3	Amendment to defects to be repaired, grass cutting and gully emptying

Revision Details

Version	Amendments
2	Clarification - Patching (Cat1, 2 & 3 defects that attract an R1 or R2 response...) Amendment – Appendix 1 & Patching (Cat3/R3 defects on Med/Low (high risk) footways to be repaired)
3	Amendments <ul style="list-style-type: none">– Appendix 1– Patching (All Cat1,2,3 / R1,2,3 defects to be repaired)– Grass Cutting (two cuts across all areas)– Gully Cleaning (second gully clean in urban areas)