



ROAD AND PAVEMENT MAINTENANCE

POLICY

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November 2014
Version 1.0

Owner: Department of Transport

Manager: Transport Infrastructure Planning Division

CROSS REFERENCE

Works Programming Procedure at:

<http://www.treasury.nt.gov.au/PMS/Publications/BudgetFinance/TreasDir/TD-I1.2.pdf>

OBJECTIVE

This directive covers the criteria to be adopted to identify how selected maintenance activities for sealed and unsealed roads are funded under the Repairs and Maintenance Program.

The directive also covers the criteria adopted to identify when works are funded under the Capital Works Rehabilitation Program.

DEFINITIONS

- **Routine Maintenance:** Works that vary on demand on an as-need basis to provide corrective action to a defective asset, and restore it to a condition before rapid deterioration occurs. Some works may be anticipated, but their exact location, timing and extent are not generally known, i.e., cannot be programmed.
- **Specific Maintenance:** Works undertaken to arrest deterioration and restore the asset to its original condition. Works are programmed in advance, and are scoped and defined to delay further deterioration.
- **Rehabilitation:** Programmed works that are undertaken to structurally reinstate the condition of a sealed road section to impart a further design life into the pavement to carry future expected traffic loads. The works upgrade the standard of the road to current design standards.

PROCEDURE

The criteria have been developed to be consistent with NTG Treasury Works Programming Procedures.

The criteria in this Directive apply to the following work activities:

- Pavement works
- Shoulder Works;
- Resealing activities;
- Regravelling operations.

These criteria are to be used when Department of Infrastructure personnel identify that works are necessary to maintain the level of service consistent with the broad asset condition. Works are therefore to be done according to the appropriate program type.

For example, regravelling on an unsealed road should not be funded from Routine Maintenance where those works exceed 1000m in length. Such works shall be identified and programmed into the Specific Maintenance Program. Priorities shall be discussed and agreed with Transport Infrastructure Planning Division.

The following criteria apply:

Sealed Roads:

Activity Routine	Routine Maintenance	Specific Maintenance	Rehab/CW
Pavement works	<ul style="list-style-type: none"> • Potholes • Shape correction • Surfacing defects e.g. ravelling, bleeding, plucking • Crack sealing 	<ul style="list-style-type: none"> • Heavy patching 	<ul style="list-style-type: none"> • Granular overlay • Stabilisation • Asphaltic overlay
<i>Criteria</i>	<300 m ²	300 to 3000 m ²	>300 m ²
Shoulder and Formation Works	<ul style="list-style-type: none"> • Edge breaks • Edge drop off • Isolated repairs e.g. scour, rutting, loss of material 	<ul style="list-style-type: none"> • Reinstatement to original design standards (includes sealing 300mm wide strip) 	<ul style="list-style-type: none"> • Widen formation and seal to current standard design widths
<i>Criteria</i>	<500 m	>500m	>500m
Resealing	<ul style="list-style-type: none"> • Isolated repairs 	<ul style="list-style-type: none"> • All reseals • Slurry seals 	<ul style="list-style-type: none"> • Reseal of previous primer sealed rehab projects only
<i>Criteria</i>	<3000m ²	>3000m ²	As required

Unsealed Roads:

Activity	Routine Maintenance	Specific Maintenance
Pavement Repairs	<ul style="list-style-type: none"> • Potholes • Scours/washouts • Localised bog hole repairs 	N/A
<i>Criteria</i>	<i>All cases</i>	
Grading Works	<ul style="list-style-type: none"> • All routine grading work, including FMG, R&R and GWR, opening grade, carriageway, between inverts, between batters etc 	N/A
<i>Criteria</i>	<i>All cases</i>	
Regravelling operations	<ul style="list-style-type: none"> • Isolated repairs e.g. ravelling, rutting, loss of material 	<ul style="list-style-type: none"> • Programmed formation and resheeting works • Formation reinstatement includes reinstating height, shape and cross-falls, and reinstating drainage (table drains, offlet drains, drain blocks etc).
<i>Criteria</i>	<i><1000 m*</i>	<i>>1000m</i>

* Length taken as the lineal distance along centreline.

FMG Full Maintenance Grading

R&R Rip and Recompact

GWR Grade, Water, Roll