

SCOPE OF WORKS

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The privatisation agreement between the Government of Malaysia and Roadcare (M) Sdn Bhd provides the terms of the concession for the maintenance of the federal roads in East Coast and Selangor.

For the benefit of Roadcare staff and the public as well as agencies and companies dealing with Roadcare, in this issue, *Suara Roadcare* reproduces the Scope of Works for Routine Maintenance.

The company shall provide all labour, equipment, tools, materials, transport and whatever necessary for the execution of the works below:



R01 PAVEMENT

The scope of work covers the following activities:

- 1 Patching of potholes.
- 2 Sealing of surface cracks.
- 3 Reinstating edge deterioration of back filled trenches.
- 4 Treatment for stripping of aggregate.
- 5 Treatment for rutting.
- 6 Clear vegetation on paved surface.
- 7 Treatment for deterioration of concrete pavement.
- 8 Repair of concrete pavement joints
- 9 Repair of paving blocks and slabs.

Note: The total aggregate quantity of work to be carried out under this category of works shall be up to a maximum of 1% of paved area per year.

R02 MAINTENANCE OF ROAD SHOULDER

The scope of work covers the following activities:

- 1 Re-grading and clearance of vegetation.
- 2 Topping up of shoulders with suitable filling material.
- 3 Filling irregularities in unsealed shoulders.
- 4 Filling pavement/shoulder level differences.



R03 GRASS CUTTING

The company shall carry out grass cutting work to the limit and extent described below:

The grass shall be cut to a height of 50mm.

- 1 Road shoulder
- 2 Slope area.
- 3 Berm drain, interceptor drain and all other types of drain on slopes.
- 4 Median.

Cycle:

- i. Protocol roads: 12 cycles/ year
- ii. Primary roads: 12 cycles/ year
- iii. Secondary roads: 6 cycles/year

R04 MAINTENANCE OF ROAD FURNITURE

The scope of work encompasses the following activities:

- 1 Cleaning of guardrails and barriers.
- 2 Cleaning of signages and posts.
- 3 Cleaning of kilometer post and delineator post.
- 4 Cleaning of traffic signal aspects.
- 5 Repainting of guardrails and barriers.
- 6 Repainting of sign posts and traffic signal posts.
- 7 Repainting of delineator posts and kilometer posts.
- 8 Repainting of road kerbs.



R05 MAINTENANCE OF BRIDGES AND CULVERTS

The company shall carry out the work as a routine exercise to prevent bridge or structure deterioration.

- 1 Cleaning of expansion joints.
- 2 Cleaning of weep holes.
- 3 Cleaning of parapets.
- 4 Cleaning of bearing shelves.
- 5 Cleaning of graffiti and markings.
- 6 Cleaning of waterway or culvert opening and bridge carriageway.
- 7 Localised repainting operation for steel members.
- 8 Removal of vegetation.
- 9 Small scale restoration work.
- 10 Cleaning, lubricating and greasing operation for steel bearings.
- 11 Routine inspection of bridges.



Cycle:

a Cleaning Works

- i Protocol roads: 4 cycles/year
- ii Primary roads: 2 cycles/ year
- iii Secondary roads: 2 cycles/ year

b Repainting Works

- i Protocol roads: 2 years/cycle
- ii Primary roads: 2 years/cycle
- ii Secondary roads: 2 years/cycle

Cycle:

a. Cleaning, Painting Works and Removal of Vegetation

- i. Protocol roads: 4 cycles/year
- ii Primary roads: 2 cycles/year
- iii Secondary roads: 2 cycles/year

b. General Repainting Works

- i. Protocol roads: 1 year/cycle
- ii Primary Roads: 2 years/ cycle
- iii Secondary Roads: 2 years/ cycle

R07 DRAINAGE

The scope of work includes the following activities:

- 1 Debris in lined drains.
- 2 Debris in unlined drains.



Cover Story

- 3 Debris in sumps.
- 4 Debris in culverts.
- 5 Blocked gratings.
- 6 Repair of damaged drains and sumps.
- 7 Repair of misaligned unlined drains.
- 8 Re-seat mis-seated covers.
- 9 Repair of damaged covers.

Cycle:

Cleaning and Desilting Work

- i. Protocol roads: 4 cycles/ year
- ii. Primary roads: 2 cycles/ year
- iii. Secondary roads: 2 cycles/ year

A. LANDSCAPING FOR PROTOCOL ROADS

The scope of work comprises the following activities:

1. Cut/trim trees when they become a danger to the road users.
2. Cut/trim or prune shrubs when growth obscures normal line of sight, extends into carriageway, encroaches around structures and obscures signages.



3. Remove weeds.
4. Replace damaged, diseased or dead trees and plants within designated areas/ special landscaped area.

Cycle:

- a Watering: 176 days/year
- b Weeding/Fertilising/Pruning: 12 cycles/year

B. ROUTINE INSPECTION

The scope of work covers:

- 1 Provide monthly report.
- 2 Removal of debris.

Cycle:

- i Protocol roads: 2 cycles/ week
- ii Primary roads: 2 cycles/ week
- iii Secondary roads: 1 cycle/ week. **SR**



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