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Highways Department Technical Circular No. 5/2009

Improvement to Skid Resistance on In-Service Roads

The purpose of this circular is to set out and formalize the procedures relating to the surface treatment of in-service roads to improve skid resistance. This circular supersedes HyDTC No. 9/88 which is hereby cancelled.

Anti-skid Surface Treatment under the Multiple Application of Standard Solutions (MASS) Programme

2. Sites for treatment under the MASS programme will normally be identified by the Road Safety and Standards Division (RSSD) of the Transport Department according to their accident data analyses. RSSD will, after identification, request the regional office of Highways Department (HyD) to apply anti-skid surface treatment on the sites to enhance road safety. If the regional office of HyD considers it necessary to include certain road sections into the MASS programme for specific reasons, it should inform RSSD and ask them to carry out the identification.

Anti-skid Surface Treatment Pursuant to Complaint or Report on Inadequate Skid Resistance

3. When a complaint or report on inadequate skid resistance is received, and if the regional office of HyD considers that prima facie evidence on inadequate skid resistance does exist, the regional office of HyD shall solicit advice from RSSD. Concurrently, the regional office of HyD shall request the Research and Development Division (R&D) of HyD to conduct skid resistance test on

the site concerned. If RSSD recommends anti-skid surface treatment, the regional office of HyD shall arrange for the works without referring to the skid resistance test results. If RSSD indicates that no firm conclusion could be derived from accident data analysis, the regional office of HyD shall collect site data including road geometry, road drainage, roadside restraint system and posted speed limit and submit them to R&D for evaluation. R&D shall recommend to the regional office of HyD whether anti-skid surface treatment should be applied after considering the site data and the skid resistance test results.

Repairs of Existing Anti-skid Surfacing

4. Repairs of existing anti-skid surfacing shall follow the normal procedure for road maintenance without referring to paragraphs 2 and 3 above.

Method of Anti-skid Surface Treatment

5. The method of treatment will be decided by the regional office of HyD, in consultation with R&D if considered necessary. The works shall be funded under HEAD 706 Sub Head 6100TX.

Road Opening Restriction after Anti-skid Surface Treatment

6. Circulation to utility undertakings should be conducted regarding the proposed treatment. One year opening restriction shall be imposed after the treatment.

ENQUIRIES

7. Any enquiries relating to this Technical Circular shall be directed to R&D.



(C S WAI)
Director of Highways