



Republika ng Pilipinas
KAGAWARAN NG PAGAWAIN AT LANSANGANG PAMBAYAN
TANGGAPAN NG KALIHIM
Maynila



SEP 06 2001

DEPARTMENT ORDER
NO. **157**
Series of 2001 *9/1*

**SUBJECT: IMPLEMENTATION OF PAVEMENT MARKING AND ROAD
SIGN PROJECTS ALONG VARIOUS NATIONAL ROADS IN
METRO MANILA**

Lane Marking is an important traffic engineering and management measure in Metro Manila for orderly flow of traffic in the road network. The economic life of a lane marking is three (3) years. There is, therefore a need to prepare a regular program for lane markings as part of the traffic engineering measure for Metro Manila.

The Traffic Engineering Center, PMO of this Department is responsible and liable for the successful implementation of this program. It has a personnel complement which are well-trained and technically experienced in the installation of pavement markings, road signs and traffic control safety devices.

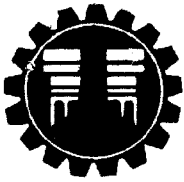
In this connection, it is hereby directed that, effective immediately, plans, programs of works and maintenance of all DPWH lane markings, and road signs in Metro Manila, should be implemented by the Traffic Engineering Center (TEC) to ensure a systematic, uniform and regular maintenance of the Department's lane marking and road sign programs in Metro Manila.

The International or duly promulgated Road Sign Standards, Pavement Marking Manual and other pertinent guidelines, with regard to the implementation of these programs, should be strictly enforced.

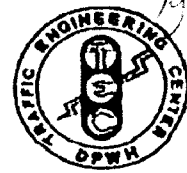
Existing Department Orders, Circulars, and other issuances contrary herewith are hereby rescinded.

For strict compliance.


SIMEON A. DATUMANONG
Secretary



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
TRAFFIC ENGINEERING CENTER
R. MAGSAYSAY BLVD. COR. R. VALENCIA ST.
STA. MESA, METRO MANILA

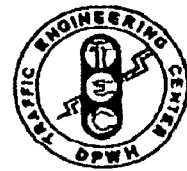


Further justification to the Department Order prepared by this Office concerning the implementation of the Lane Marking and Road Sign Projects along various National Roads in Metro Manila.

- a. The Traffic Engineering Center (TEC) has the expert capability and necessary manpower to implement the traffic control, safety and management projects considering that it has technically qualified, highly experienced and well-trained personnel to ably supervise the application and installation of pavement markings, traffic road signs and other traffic control and safety products and devices to include traffic signalization. Please be informed further, that all TEC engineers and inspectors are graduates of the University of the Philippines – National Center for Transport Studies (UP-NCTS) traffic engineering, planning and management courses.
- b. TEC has the laboratory and test equipment as well as well-trained technicians for the test of thermoplastic pavement products used in the implementation of lane marking programs. Furthermore, TEC's laboratory is being sought by other DPWH Offices including DPWH – NCR, for assistance and certification in the test of their thermoplastic materials.
- c. In 1980, TEC was instrumental in the publication of the 2nd edition of the Manual on Pavement Markings that set standards in the use and implementation of lane marking projects thru-out the country. This time, the 3rd edition is being prepared in view of the introduction of new materials for pavement markings as well as the introduction for utilization, of new traffic technology products and devices developed over the past 2 decades.
- d. The DPWH-NCR, part of whose function is to install and maintain such lane markings and signs on roads and stretches of national roads and highways outside of signalized intersections as stated under Department Order No. 75, series of 1994, the subject of which is the delineation of installation functions in Metro Manila, did not sustain the task assigned to them. The lack of lane markings and signages on most major roads in Metro Manila, outside of signalized intersections which fall under the jurisdiction of DPWH – TEC, is contributing to the in disorderly and chaotic flow of traffic causing congestions, accidents and other untoward road incidents.



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- e. The TEC should be the lone agency to implement future plans, programs of work and maintenance of all DPWH pavement marking and road sign projects in Metro Manila. This is to ensure that uniform and standardized traffic control and safety facilities are correctly put in place, as well as make Metro-Manila National Roads the benchmark in the presentation of a well outlined, rational, effectively controlled and efficiently laid out model for other Urban Centers to follow and further serve as a shining example of a well maintained and properly presented road networking system. The approved Department Order will also prevent duplication of projects by other agencies as far as lane markings and road signs installations are concerned.
- f. The DPWH – TRAFFIC ENGINEERING CENTER Project Management Office has been at the forefront of Traffic Engineering and Management in Metro-Manila for the last 24 years conducting traffic surveys, planning, programming and implementing Phases I, II, III & IV of the Metro-Manila Traffic Signalization Project covering 444 intersections of the metropolis. Its full complement of manpower, equipment, machineries and special tools, not to mention its expertise in this highly technical field make it an indispensable arm of the DPWH to address the ever changing requirements in the field of traffic control, management and safety. TEC should now metamorphose into an active line agency of the DPWH given the tremendous task and challenge that road traffic is now imposing to the public and government. Its specialized function should be given full support and backing by DPWH in particular and the government in general. This way, it can concentrate on instituting major reforms, aggressive measures and sustainable impositions and positive actions which are pre-requisites in meeting and addressing the mounting problems brought about by development and modernization e.g. the ever growing multitudes of land transport. Just like other countries of the world, the Philippines thru the DPWH must now have a Traffic Engineering, Management and Control Office that is up to the times and into the future. A Department Order for the empowerment of TEC to undertake the added chores is now called for.
- g. This particular request for a Department Order approval for DPWH-TEC was a subject that was presented to the DPWH – SUBCOM presided over by Undersecretary Edmundo V. Mir early July 2001. The members of the SUBCOM, which is composed of DPWH Undersecretaries and Assistant Secretaries, unanimously recommended approval of the same.