

New Jersey Department of Transportation CORRECTIVE ACTION NOTICE

QUALITY MANAGEMENT SERVICES

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CAN No. CAN041

Approved: B. Strizki
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Subject: Converting Metric to English Standards

Bureau(s) Affected: All CPM Units

Description of Issue(s):

With the passage of TEA-21 in 1998, the Federal mandate to convert from English to Metric was removed. According to the AASHTO state survey, the number of states that are either using English or reverting back to English standards has increased from 3 in 1998 to 31 by the end of 2000. NJDOT is the only Transportation agency in New Jersey that is using Metric standards and over 98% of the existing NJDOT highway system has been constructed under English standards. The construction industry, county & municipal engineers and other transportation agencies have requested NJDOT to convert back to English standards and the NJQI Interagency Committee is in support of the conversion. Based on the national trend and the current use of English standards adopted by other State Transportation Agencies, the Department has decided that all NJDOT new start projects are to be designed and developed using English standards (except for In-House projects) as noted below.

Corrective Action Plan:

In order to allow the development of projects with English standards, new Baseline Documents are currently being developed. It is anticipated that the following Department Baseline Documents will be available in updated English versions in June 2001.

- NJDOT Standard Specifications for Road and Bridge Construction
- NJDOT SI 2000 DOT1
- Standard Pay Item Numbers
- Roadway Design Manual
- Bridge Design Manual
- Standard Roadway Construction/Traffic Control/Bridge Construction Details
- Sample Plans
- Standard Electrical Details
- Electrical Materials EB Specifications

As soon as these documents are released by the Department, the following guidelines will be in effect and are to be used for design plan development and permit applications:

- All NJDOT new starts, where consultants are performing the work and the base map survey has not been completed will be developed using English units.
- All NJDOT new starts, where In-House design personnel are performing the work, are to be developed using Metric units. When the Department CADD system is converted to the English system, all new starts are to be developed in English units.
- Current NJDOT projects that have been developed using Metric units and have not been converted are to remain in Metric.
- Current NJDOT projects that have been developed using English units are to remain in English.
- Plan submissions for Developer and Local Aid projects are to be developed and submitted in

English units.

To ensure the implementation of the above requirements, the responsibility of each unit shall be as follows:

Designer (Consultant or In-House Design)

Responsible for developing the plans in accordance with the above requirements.

Project Manager/Quality Assurance Unit

Responsible for ensuring that the designers are developing the plans appropriately in accordance with the above requirements.

Division of Design Services

Responsible for ensuring that the Department CADD Metric system is converted to the English system.

Configuration Management Unit – Quality Management Services

Responsible for overseeing the development of all supporting documents in the English system.

This Corrective Action Notice will hereby supersede Corrective Action Notice #29 (CAN029) and will remain in effect indefinitely.

Implementation: *In accordance with the above requirements*