

**New Jersey Department of Transportation  
CORRECTIVE ACTION NOTICE**

**QUALITY MANAGEMENT SERVICES**

Director: Lynn Rich

Telephone: (609) 530-5367

CAN No. CAN068

Approved: Lynn Rich

Date: May 2, 2007

**Subject:** Base Map Preparation

**Bureau(s) Affected:**

All Design Consultants  
In-House Design/QA Review Units  
Division of Design Services  
Division of Project Management  
Division of Project Planning Development

**Description of Issue(s):**

There has been confusion and accuracy problems between the use of NJ State Plane Grid Coordinates and NJ State Ground Coordinates.

**Corrective Action Plan:**

Based on recommendations made by the Survey Unit, all base mapping for all NJDOT projects will be prepared in ground coordinates, whether they are prepared by conventional survey methods or Aerial Photogrammetry.

The necessary grid scale factor(s) are to be developed and applied to meet the desired accuracy for the project.

The data developed from applying the grid scale factors to New Jersey State Plane Coordinates shall be identified as "New Jersey State Plane Ground Coordinates". They are to be identified as such in the survey report and on the construction plans.

Until this revision is incorporated in to the Survey Manual and the Aerial Photogrammetric Mapping Guidelines, this Corrective Action Notice shall be in effect.

**Implementation:**

Immediate for all projects that have not reached Activity 3115, Designer's PS&E submission.