Project Title: C-06-23: Evaluation and Specification of Special Use Waterborne Pavement Markings

PIN:

Responsible Unit: Engineering Division, Technical Services Office

Project Manager: Galarza, Patrick

Project Goal:
Analyze, evaluate and determine the most efficient use of various types of new waterborne pavement markings.

Actions Proposed:
Acquire, lab test and apply various types of waterborne pavement markings. Apply different types of high durability and specialty waterborne markings on various pavements. Application to be done by NYSDOT Maintenance forces.

Materials would include, various high durability waterborne markings from different manufacturers, at various wet film thicknesses and using various types of reflective elements.

Also included would be specialty waterborne markings with colder weather application capabilities and rheologically modified waterborne markings for application on thin non-structural overlays.

Markings will also be applied in grooves milled into the pavement to evaluate enhanced durability in embedded markings.

Markings will be tested for retroreflectivity for up to 3 years after application, on a yearly basis according to ASTM procedures. Day, night and wet visual performance as well as durability will also be evaluated.

Evaluate the life cycle cost of the various applications versus existing material and application costs.

Anticipated Work Products and Accomplishments:
Report will be generated presenting the results of the various applications.

Proposed Budget: $150,000