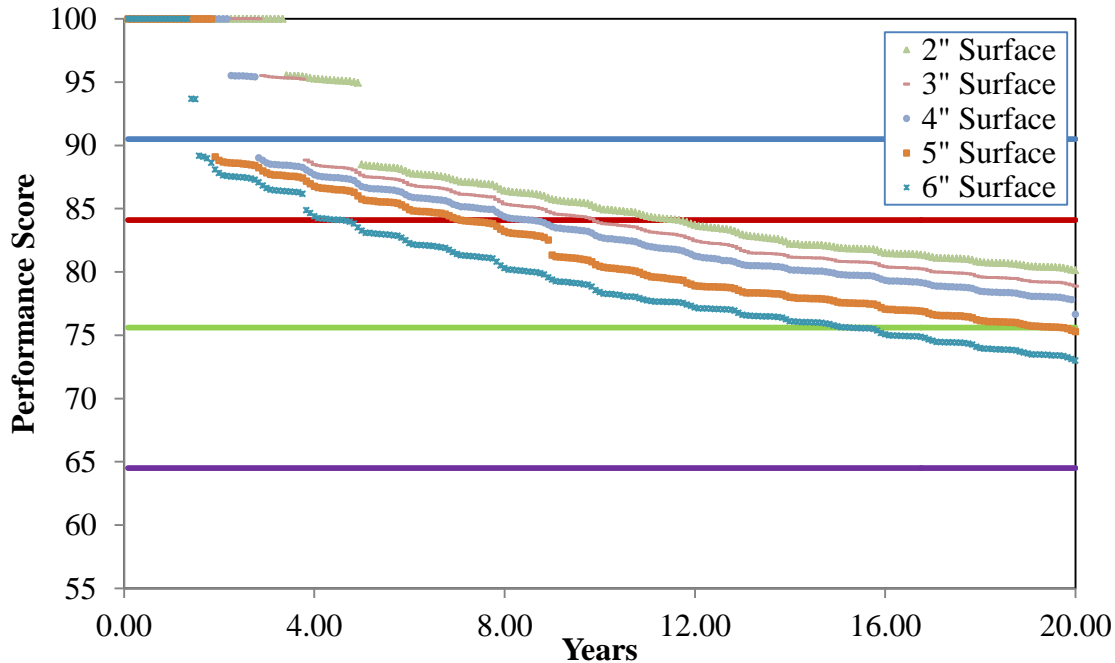
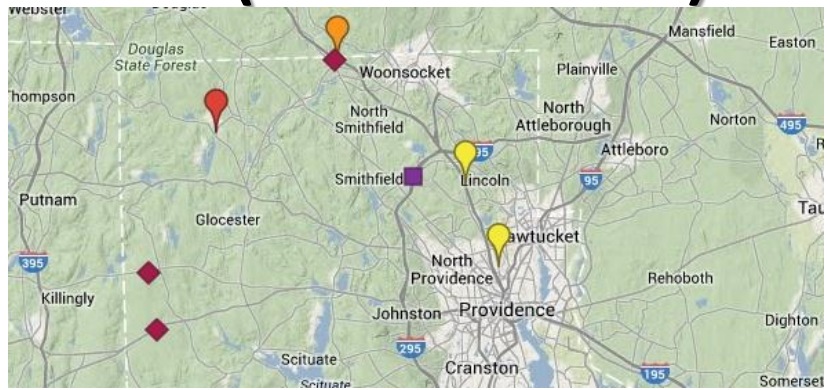


Evaluation of Pavement Preservation Strategies for the State of Rhode Island (1 CE and 1ECE)

- Rowan team has identified key factors that have impact on the pavement performance so that the agency can prioritize resources during the design process.
- Clinic team will develop a software to optimize the selection of pavement preservation strategies .**



- Crack Seal
- Level and Overlay
- Mill and Overlay (with and without a friction course)
- Paver Placed Elastomeric Surface Treatment (PPEST)
- Rubberized Chip Seal
- Reclamation
- Reconstruction
- Stress Absorbing Membrane Interlayer (SAMI)



HVS Evaluation of Flexible Overlays on Composite Pavements (3CEE)



- The primary goal of the proposed project is to identify and predict the expected life of thin asphalt overlay treatments used for rehabilitating and preserving PCC pavements.
- **Fall 2015 tasks**
- Document, synthesize, prioritize and conduct gap analyses on national and international state of practice pertaining to thin asphalt overlays.
- Determine the major factors affecting the performance and service life for a variety of thin asphalt overlay mixes and treatments.
- Identify the current PCC pavement conditions in NJ.

Heavy Vehicle Simulator

- Simulate large volume of highway vehicle loading in a short time period on flexible, composite, or rigid pavements.
- Wheel load can be varied from 4500 lbs. to 22,500 lbs.
- Multiple tire types can be used, to include truck tires with pressure 80-100 psi and pressure up to 210 psi to simulate C-181 aircraft tires
- Track has the ability to simulate accelerate, deceleration and wander

