

ICNet Members' New England Research & Project Survey



Research/Project Focus	Increased Roadway Temperatures Impacts on Asphalt Concrete Performance Grade Binder
Research/Project Description	Performance grade binder for asphalt concrete is continuously evaluated to deal with increase roadway temperatures. The NHDOT has installed geogrid in base and AC layer. Inclusion of the membrane will be evaluated in the near future.
Primary Category*	Pavement
Geographic Location	RT 101 along with other area statewide for AC reinforcement, Pickering Road, Rochester, NH for base course reinforcement
Funding	NHDOT State Planning and Research allotment from Federal Highway Funds
Contact	Ann Scholz,NHDOT: ascholz@dot.state.nh.us
Infrastructure sectors effected, subject area	Pavement Design and Geotech Design sections in the Bureau of Materials and Research.
For modeled climate or sea level rise projections, AOGCM or other sources used	N/A
Other Information, data,	The Department is using the Extreme Precipitation (Northeast Regional Climate Center) for generated

models, used	hydrologic flows on their projects. Falling Weight Deflectometer (FWD) readings
Time periods analyzed	Spring, Summer and Fall testing for base course and summer only for AC layer starting Spring of 2014
Status /Date submitted to ICNet	Starting Spring 2014. Submitted Sept ,2013
Brief key findings to date	N/A
Key publications/reports?	N/A
Other information (e.g., web links to technical reports).	N/A

*** Categories: Roads, bridges, and culverts; Pavement and/or soils; Hydrology (study of data/floods); Environmental/water resources (stormwater, drinking water); Transportation assets (network); Climate model output**