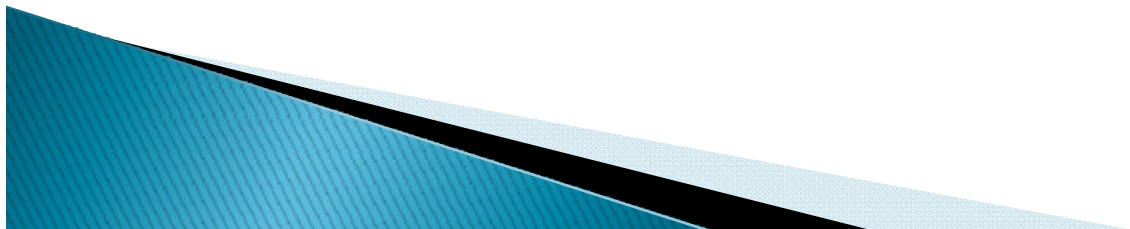


Public, Private and Academic Cooperation: How Research at the University of Delaware Supports Transportation Operations and Planning

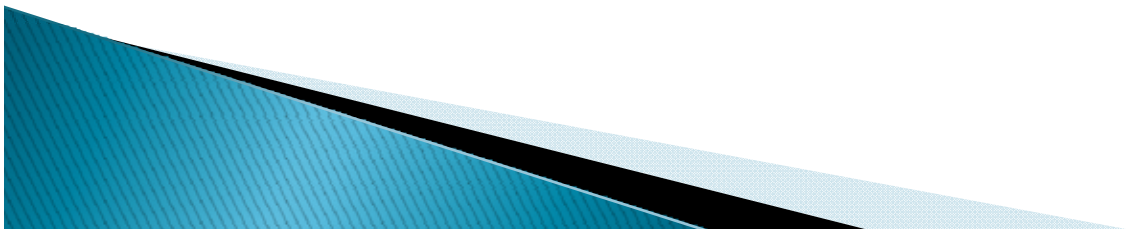
Seventh Mid-Atlantic Regional Planning Roundtable
October 1, 2010 Wilmington, DE

Dr. Earl "Rusty" Lee, University of Delaware





- ▶ Delaware Center for Transportation
 - T2 / LTAP Center
 - Technology Transfer
 - Local Technical Assistance Program
 - 58 centers nationwide
 - Most at universities, remainder at DOT's
 - T2 All mailing list and Forums
 - Regionally organized also



▶ UD Transportation Program

- BCE, MCE and PhD

- Focuses in transportation and civil infrastructure systems

▶ ITS Lab



Software Partners



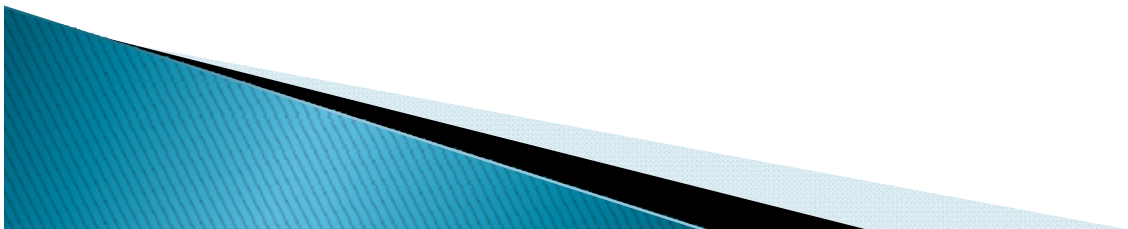
Microstation,
In Roads, Storm CAD

- UD Engineering has access to full Bentley suite
- Used in courses including Freshman Design, Senior Design and Geometric Design



CUBE Voyager, Avenue,
Land, Cargo

- Used in courses including Regional Analysis Methods and Transportation Planning





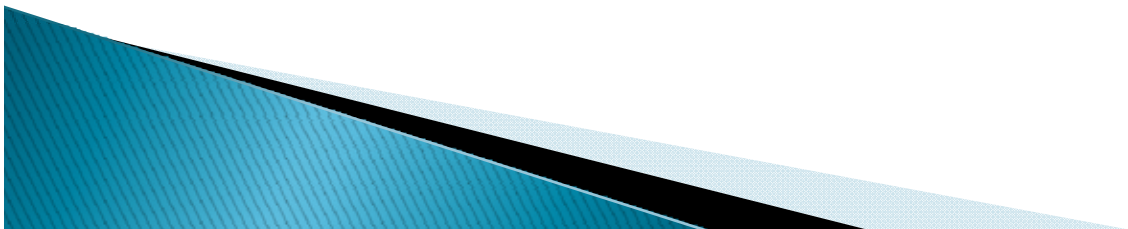
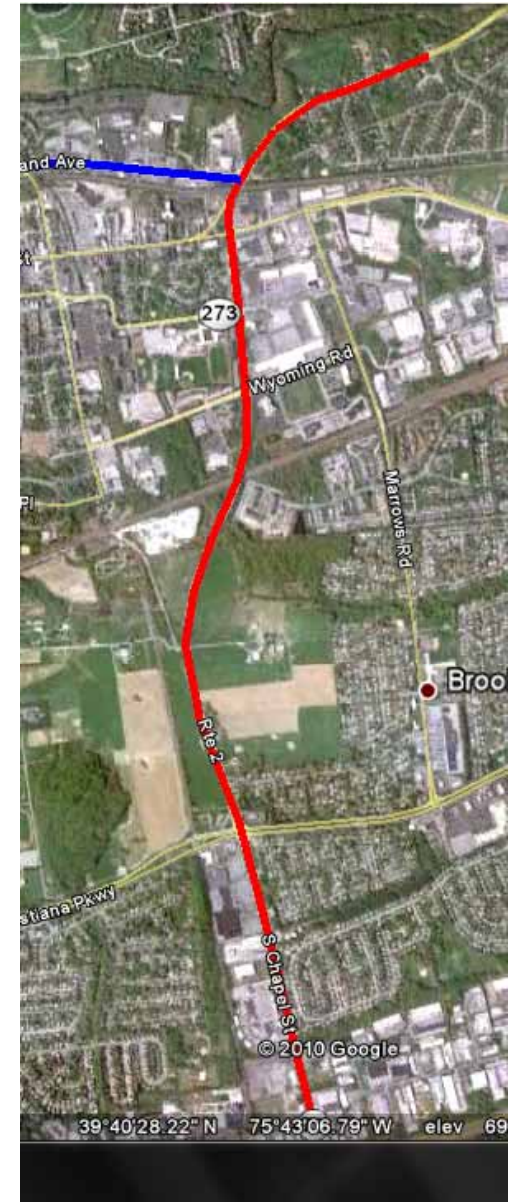
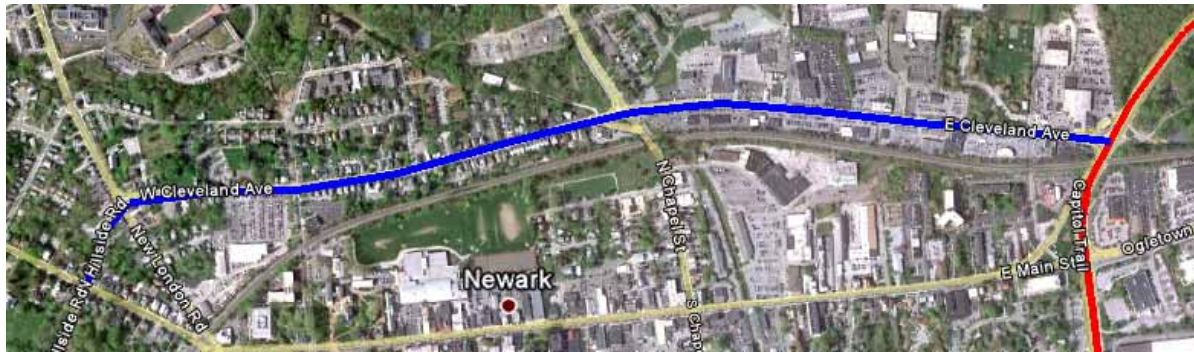
PTV Suite VISUM and VISSIM

- Combination of classroom and full licenses
- Used in student research and new work for DOT and MPO
- Advanced 3-D modeling



Private / Public / Academic Partnerships

- ▶ Delaware Signal Timing Enhancement Partnership (DSTEP)

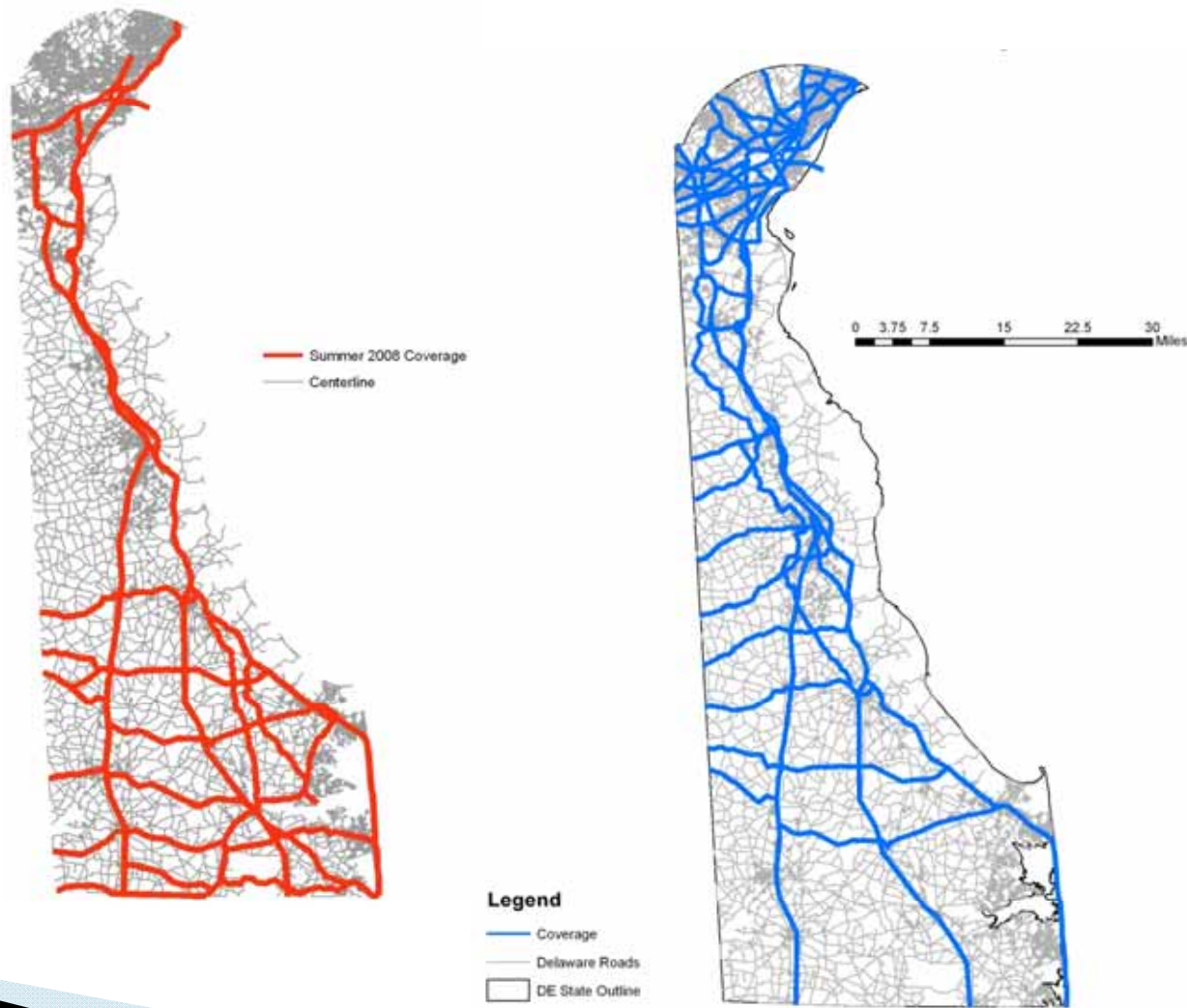


- ▶ Transportation Operations Management Plan (TOMPS)(NCC)



DEIDOT Operations / Planning / WILMAPCO/ UD Partnerships

- ▶ GPS Project

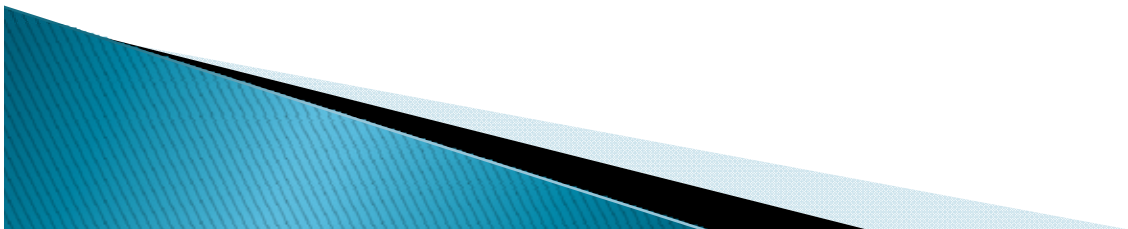


▶ ITMS

- DeIDOT Operations and Planning, IT, UD, WILMAPCO, etc

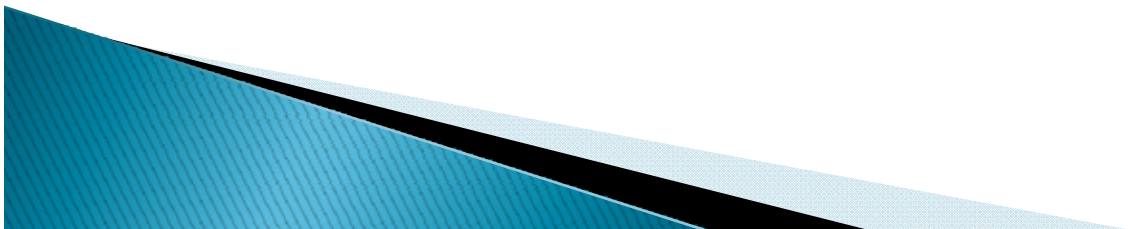
▶ Modeling

- I 95 closures
- New projects



Support for MPO / DeIDOT outside Engineering

- ▶ Institute for Public Administration (IPA)
 - Park and Ride surveys
 - Policy Studies
- ▶ Center for Applied Demography and Survey Research
 - Population Projections
 - Trip to work surveys for OD determination



Web addresses

- ▶ Delaware T2/ LTAP Center
 - <http://www.ce.udel.edu/dct/T2.html>
- ▶ Delaware Center for Transportation
 - <http://www.ce.udel.edu/dct/>
- ▶ Institute for Public Administration (IPA)
 - <http://www.ipa.udel.edu/>
- ▶ Center for Applied Demography and Survey Research
 - www.cadsr.udel.edu

- ▶ Email – elee@udel.edu

