

# NCRST - Flows

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# NCRST Program

- National Consortia for Remote Sensing in Transportation
- Four University Consortia
  - Flows – The Ohio State University
  - Infrastructure – University of California at Santa Barbara
  - Environment – Mississippi State University
  - Hazards – University of New Mexico
- Four year program began March 2000

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- The Flows Consortium consists of:
  - The Ohio State University
  - The University of Arizona
  - George Mason University
- Managed by a Leadership Team
- External Board of Advisors
- Web site [www.ncrst.org/ncrst-f](http://www.ncrst.org/ncrst-f)

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- Three topical areas in transportation flows research
  - Traffic Monitoring
  - Traffic Management
  - Intermodal Freight Activities
- First two years we have funded 8-9 research projects each year
- Hold at least one workshop per year

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- On behalf of DOT/RSPA we monitor annual projects in a companion program that funds private studies
  - Year 1 – Technology Services Corporation
  - Year 1 – Bridgewater State University
  - Year 1 – Veridian ERIM - Tucson
  - Year 2 – Terra Metrics
  - Year 2 – Grafton Technologies
  - Year 2 – GeoData Systems

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- Year 3 research program has the following thrusts, with emphasis on implementations with demonstrated results
  - Improved AADT/VMT estimations
  - Easy automated flow extractions
  - Remote sensing traffic laboratory
  - Creation of a traffic image infostructure
  - Traffic monitoring for emergencies

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- Year 3 Workshops
  - Joint Flows/ ITS Workshop in July in Washington DC
  - International Flows Workshop in September in Budapest Hungary
  - Planning for a joint Flows/ Infrastructure Workshops in Hyderabad India and Kathmandu Nepal in March 2003