The Center for Transportation and Urban Planning

UConn’s University Transportation Center
The CTUP

Designated: August 2005
Grant Period: August 2005 to August 2010
Federal Funds: $2,000,000
CTUP Theme

Transportation for *Smart* Growth
According to the smart growth network...

Smart growth invests time, attention, and resources in restoring community and vitality to center cities and older suburbs. New smart growth is more town-centered, is transit and pedestrian oriented, and has a greater mix of housing, commercial and retail uses. It also preserves open space and many other environmental amenities.
Spurring the smart growth movement are demographic shifts, a strong environmental ethic, increased fiscal concerns.
Transportation Energy Use per Capita

Source: Institute for Sustainability and Technology Policy, Murdoch University
Public Transport Boarding per Person

European Cities

American Cities

Source: Institute for Sustainability and Technology Policy, Murdoch University
Urban Density

Source: Institute for Sustainability and Technology Policy, Murdoch University
Cities afraid of death by congestion

Extra-wide freeways are among ideas to keep traffic moving smoothly in future

By Larry Copeland
USA TODAY

A plan to widen part of Interstate 10 in southwest Phoenix from 14 lanes to 24 is the USA's latest giant super-highway proposal designed to ease the kind of gridlock that some planners say could stunt economic growth.

For a 2-mile stretch between U.S. 60 in Tempe and State Route 143, the interstate would have six general-purpose lanes, two carpool lanes and four lanes for local traffic in each direction. Work on the first phase, which planners expect to cost about $350 million, could begin by 2011.

Political and business leaders in metro areas increasingly view traffic congestion as hurting their ability to compete with other regions for new businesses and young professionals.
A proposed expansion of a stretch of traffic-clogged Interstate 10 in the Phoenix area would widen the highway's right of way to about 400 feet, according to federal highway guidelines.

Two Boeing 747-400s side by side
422 feet, 10 inches wide

12 lanes

400 feet

12 lanes

Football field (including end zones)
360 feet long

Sources: Arizona Department of Transportation, U.S. Department of Transportation and Boeing
The Model City of the Mid-20th Century
Population and Vehicle Traffic Growth
USA

- **Population**
- **Vehicle Miles Traveled**
Population and Vehicle Traffic Growth
Connecticut
The CTUP Focus Areas

1. Document, evaluate and disseminate transportation and land use policies that support the goals for smart growth

2. Evaluate the impact of transportation and land use systems on economic, environmental, and societal sustainability

3. Develop operating protocols and designs that maximize the efficiency, convenience and competitiveness of green modes of transportation
CTUP Activities

1. Research Grant Program
2. Sustainable Transportation Index
3. Multidisciplinary Undergraduate Fellowships
4. Transportation Lab
5. Seminar Series in Transportation and Urban Planning
6. Professional Development Courses and Workshops
CTUP Research Forum  
October 16, 2007

Submit Intent to Propose  
November 15, 2007

Deadline for Full Proposal  
February, 2008

Announcement of Projects for Funding  
March, 2008

First Year Projects Starts  
June, 2008
Projects will be selected by an outside panel made up of representatives from federal, state and local agencies, universities and community groups.

Projects require matching funds of $1 for every $2 of Federal funds.
Promote Multi-disciplinary Scholarship in Transportation at UConn

Engineering
Geography
Landscape Architecture
Natural Resource Planning
Economics
Political Science
Build the Capacity Transportation and Land Use Planning Capacity at UConn