The Sustainable City Year Program

Expanding Transportation Across the Academy

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Jacobs, 1993

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Downtown Vision: Redevelopment





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The Transportation Bill

A BILL

To reauthorize Federal-aid highway and highway safety construction programs, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

(a) SHORT TITLE.—This Act may be cited as the "Moving Ahead for Progress in the 21st Century Act" or the "MAP–21".

(b) TABLE OF CONTENTS.—The table of contents for this Act is as follows:

Sec. 1. Short title; table of contents.
Sec. 2. Definitions.

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The Transportation Challenge



How can we teach students from multiple disciplines about transportation and other aspects of a sustainable city? And can we give them real world experience simultaneously?

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What if we could get *existing* courses, taught in their *existing* ways, with their *existing* assignments to simply point to a single city over an academic year?

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- Architecture
- Landscape Architecture
- Planning
- Policy
- Product Design
- Interior Architecture
- Law
- Business
- Journalism
- Arts and Administration
- Civil Engineering (PSU)
- Economics

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TU Tsdp

1. RFP
2. Matchmaking
3. Public launch
4. Course work
5. Presentations
6. Final Reports
7. Wrap up celebration



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Union Street and Commercial Street Crossing







Proposed Renovations for the Intersection of Commercial Street and Liberty Road at Vista Street

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Downtown Salem Circulation Study

Dr. Chris Monsere, Civil and Environmental Engineering, PSU

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Salem North Downtown Waterfront

Rich Margerum, Bob Parker, Robert Young, Jan Wilson, Nico Larco

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Salem North Downtown Waterfront

Rich Margerum, Bob Parker, Robert Young, Jan Wilson, Nico Larco

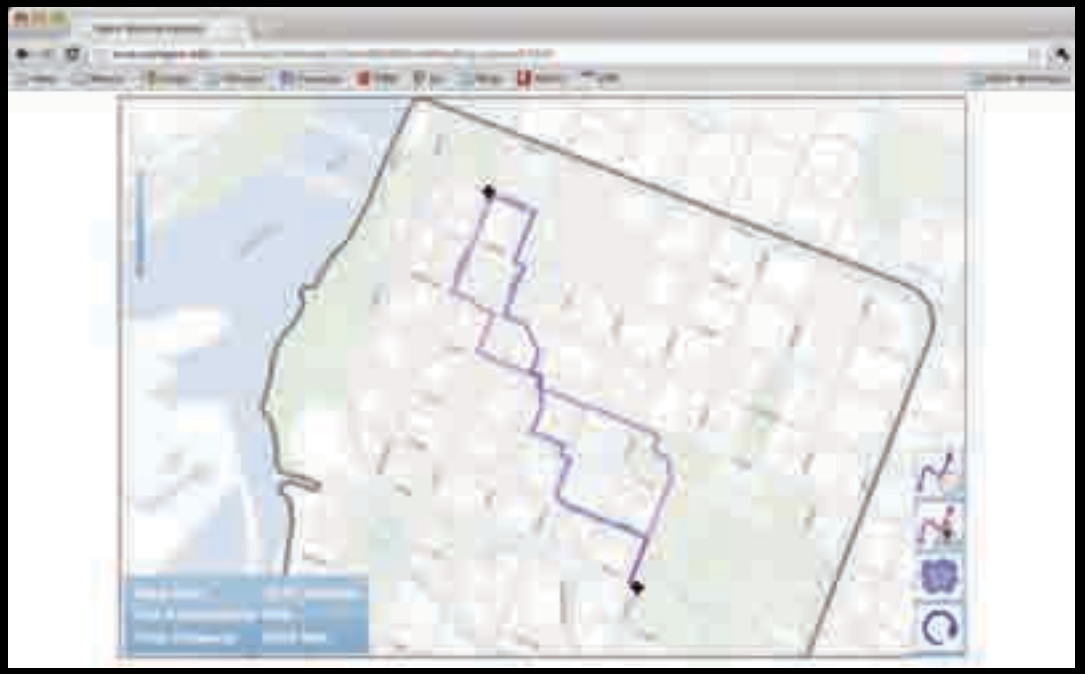
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Downtown Parks Connectivity

Walkability in Downtown Salem



Newly Created
GIS Walking Layer



Web Application Tool

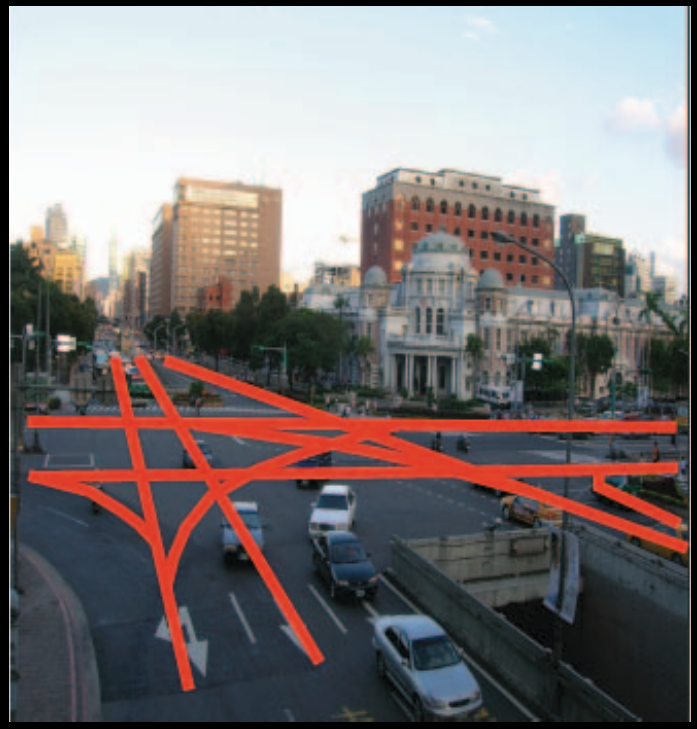
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Accurate Modeling of Salem's Bike Network in ArcGIS



Status Quo Bike Route Modeling



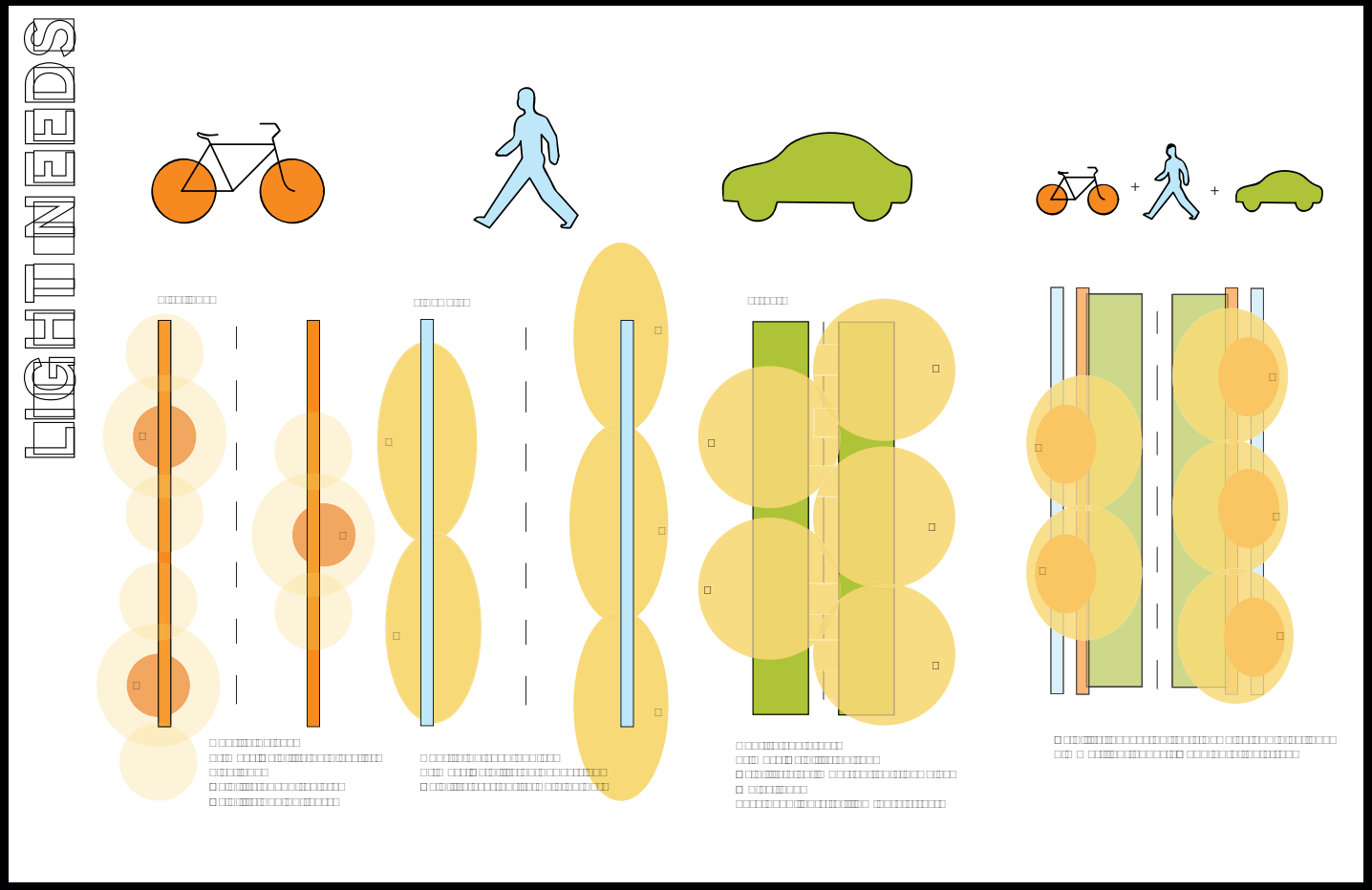
Proposed Bike Route Modeling

Downtown Parks Connectivity

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Sustainable Streetlights



Jason Germany, Product Design, Colleen Chrisinger, PPPM, University of Oregon

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□MELAS□Streetlight

Sustainable Streetlights

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Streetlight Fabrication

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Students

Applied Learning
Multi-disciplinary understanding

Cities

Ideas, ideas, ideas
Politically neutral conversations

Faculty

New relationships and projects
Meeting student demand

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Statesman Jo

"We went on a bike ride in Salem and we noticed some scary pictures."

A NEW PATH FOR SALEM?

ABOUT THE SERIES

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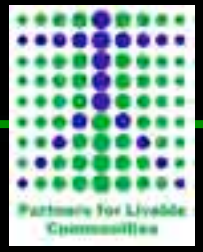
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Transportation touches many disciplines
Our educational system should match it

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