

# Sustainable City Year Program

2011-12



## Design and Planning Projects

Project	Outcome
<b>Laura Street Analysis</b>	Identified negative and positive characteristics and development trends to determine specific design standards aimed at changing trends.
<b>Bicycle Accessibility and Connectivity Plan</b>	Analyzed the city's current on-street and off-street bike system and recommended solutions to address dead ends and gaps in order to complete the overall system.
<b>Jasper Natron School Design Studio</b>	Analyzed school district site, surrounding neighborhood and wetlands, and service and transportation infrastructure; developed potential site layout and designs for a K-8 school.
<b>Booth Kelly Mixed-Use Architecture Design Studio</b>	Explored redevelopment scenarios for former mill site with large (rented) industrial buildings to create a pedestrian-friendly destination.
<b>Booth Kelly Mixed-Use Eco-District Landscape Architecture Design Studio</b>	Landscape architecture students developed design proposals and recommendations for spatial organization of the Booth-Kelly site utilizing precedent studies of eco-communities around the globe.
<b>Library Design and Outreach</b>	Examined process to develop, finance, and construct a LEED Silver Certified public library that included private business space; designed a strategic public relations plan for the proposed library.
<b>Walmart Redevelopment Conceptual Plan</b>	Proposed urban design and site development for a long vacant property to serve as a catalyst for redevelopment of adjacent sites.
<b>Citywide Wayfinding</b>	Analyzed Springfield's existing wayfinding system and provided recommendations for locating new signage; provided recommendations for a city-wide wayfinding system with consistent look and feel.
<b>Stormwater Demonstration Areas</b>	Designed welcoming and attractive demonstration sites for natural areas, parks, schools, and private property featuring innovative stormwater treatment practices and interpretive kiosks with "take home" ideas.
<b>Nicolai Site Redevelopment (2012-13)</b>	Evaluated redevelopment scenarios for the Nicolai Door Plant, a large industrial site in downtown Springfield.
<b>Connecting Bikes to Transit (2012-13)</b>	Examined ways that Lane Transit District could expand its service areas by linking transit to customers arriving by bike and on foot.

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## Business and Economic Development Projects

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<b>Sustainability Metrics &amp; Greenhouse Gas Inventor</b>	Compiled a greenhouse gas emissions inventory of city's direct (fuel consumed by city vehicles, generators) and indirect emissions (electricity generation, business-related travel, solid waste, etc.) with an action plan to reduce emissions.
<b>LEED Incentive Analysis</b>	Conducted cost/benefit analyses of possible new development requirement to incentivize LEED certification.
<b>Market Feasibility of Density</b>	Conducted economic analyses of residential density requirements and their impacts on cost effectiveness of development; recommended strategies to incentivize higher densities including market feasibility of density bonus.
<b>Dorris Ranch Business Plan</b>	Recommended programs and events to improve awareness and usage of 258-acre hazelnut farm as a historic, cultural, and recreational asset and suggested ways to improve the income/self sufficiency of the property.
<b>Economic Analysis of Local Street Improvements</b>	Conducted a cost-benefit analysis to assess the value of improving street conditions utilizing residential property assessments as a source of funding.
<b>Promise Neighborhoods</b>	Surveyed demographics and programmatic gaps in developing a continuum of "cradle through college and career" solutions to improve educational and developmental outcomes for children in Springfield's Brattain area.

## Journalism, Geography, and Arts Projects

Project	Outcome
<b>Adopt-A-Waterway Program Public Relations Plan</b>	Developed public relations material explaining waterway adoption, cleaning waterways, planting native plants and shade trees, and other steps to improve waterway quality.
<b>Spatial Analysis of Lane Transit District (2012-13)</b>	Analyzed existing ridership, socioeconomic and environmental issues, existing and potential land uses, zoning, walkability, and traffic to determine potential alternative scenarios for the development of a new bus line.
<b>West 11th Expansion Public Relations (2012-13)</b>	Evaluated means to communicate the benefits and opportunities of expanded transit along West 11th Avenue to the public.
<b>Cultural Fieldwork in Downtown Springfield (2012-13)</b>	Gathered information such as historic photographs and oral histories to support a new service designed for visitors to access on handheld devices.
<b>Wayfinding Signage (2012-13)</b>	Digital arts students developed wayfinding signage and designated locations to better direct visitors and residents to area resources, public amenities and services, shopping, and open spaces.

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