

Sustainable City Year Program

2011-12



Design and Planning Projects

Project	Outcome
Laura Street Analysis	Identified negative and positive characteristics and development trends to determine specific design standards aimed at changing trends.
Bicycle Accessibility and Connectivity Plan	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.
Jasper Natron School Design Studio	Analyzed school district site, surrounding neighborhood and wetlands, and service and transportation infrastructure; developed potential site layout and designs for a K-8 school.
Booth Kelly Mixed-Use Architecture Design Studio	Explored redevelopment scenarios for former mill site with large (rented) industrial buildings to create a pedestrian-friendly destination.
Booth Kelly Mixed-Use Eco-District Landscape Architecture Design Studio	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.
Library Design and Outreach	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.
Walmart Redevelopment Conceptual Plan	Proposed urban design and site development for a long vacant property to serve as a catalyst for redevelopment of adjacent sites.
Citywide Wayfinding	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.
Stormwater Demonstration Areas	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.
Nicolai Site Redevelopment (2012-13)	Evaluated redevelopment scenarios for the Nicolai Door Plant, a large industrial site in downtown Springfield.
Connecting Bikes to Transit (2012-13)	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

Project	Outcome
Sustainability Metrics & Greenhouse Gas Inventor	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.
LEED Incentive Analysis	Conducted cost/benefit analyses of possible new development requirement to incentivize LEED certification.
Market Feasibility of Density	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.
Dorris Ranch Business Plan	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.
Economic Analysis of Local Street Improvements	Conducted a cost-benefit analysis to assess the value of improving street conditions utilizing residential property assessments as a source of funding.
Promise Neighborhoods	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
Adopt-A-Waterway Program Public Relations Plan	Developed public relations material explaining waterway adoption, cleaning waterways, planting native plants and shade trees, and other steps to improve waterway quality.
Spatial Analysis of Lane Transit District (2012-13)	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.
West 11th Expansion Public Relations (2012-13)	Evaluated means to communicate the benefits and opportunities of expanded transit along West 11th Avenue to the public.
Cultural Fieldwork in Downtown Springfield (2012-13)	Gathered information such as historic photographs and oral histories to support a new service designed for visitors to access on handheld devices.
Wayfinding Signage (2012-13)	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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