

Sustainable City Year Program

2017-18 **TRI**  **MET**

Design, Engineering, and Planning Projects

Project	Outcome
A Front Porch for Marquam Hill & OHSU Design Studio	Developed proposals to provide access to institutions and amenities on Marquam Hill and the area from the southwest waterfront to Oregon Health and Science University.
Integrating Transit and Technology	Product design students designed a variety of multi-modal transit apps to broaden and improve TriMet users' experiences.
Bridgeport Village Transit Opportunities	Created concepts for sustainable transportation integration into future Bridgeport Village shopping center development.
Walkability and Placemaking in the City of Tigard	Generated concepts for connectivity, outreach, neighborhood identity, and affordable housing in the city of Tigard.
Barbur Boulevard: Designing a Model Civic Corridor	Developed concepts that blend the idea of Main Street as the "connective tissue" that enhances the assets, character, and heritage of adjacent Barbur Boulevard neighborhoods.
Active Transportation for Portland Neighborhoods (PSU)	Developed active transportation plans for the Barbur Boulevard/19th Avenue and Baylor/Clinton MAX station project areas.
Paid Parking Strategies (PSU)	Examined the implications of implementing a metered parking program in the city of Tigard.
Southwest Barbur Boulevard Stormwater Facilities (PSU)	Assessed existing conditions, collected data, and reviewed alternatives to determine preferred stormwater facilities on Barbur Boulevard.
Destination Tigard: Sustainable Urban Design Studio and Seminar	Developed urban design and city identity concepts for potential downtown Tigard station areas. Recommendations included a redesign of Hall Boulevard, smaller blocks, Fanno Creek improvements, and new public places.
Green Infrastructure and Transit Projects as Habitat Corridors	Generated plans and graphics demonstrating the benefits of integrating green infrastructure and transit-focused projects into urban ecology management.
Civic Ecology and Urban Design in Tigard (PSU)	Created an urban design vision for the future development of central Tigard including areas affected by the proposed light rail expansion project.
68th Avenue Station and Red Rock Creek Design Studio	Highlighted the area's transit-oriented redevelopment potential to energize the new station, and proposed several recommendations.

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Business and Economic Development Projects

Project	Outcome
New Mobility Ecosystem	Studied the future of urban transport and potential impacts of emerging technologies on the urban mobility ecosystem.
Autonomous Vehicle Budget and Revenue Implications	Examined how transportation revenue in the Portland Metro Area would be affected by the adoption of autonomous vehicles as the primary transportation source.
Tigard Transit Station Real Estate Development Potential	Used financial modeling to assess real estate investments and generated financial analyses of real estate developments in downtown Tigard.
Clean Energy Solutions: TriMet Community Solar	Examined the viability of TriMet as an anchor tenant for a community solar project using the community solar pathway being developed by the Oregon Public Utility Commission.

Law, Historic Preservation, and Journalism Projects

Project	Outcome
Autonomous Vehicle Federal Policy Implications	Researched federal autonomous vehicle policy development and related legal cases that may have implications at the local level.
Preserving South Portland	Explored repurposing the Marquam Hill synagogue and produced design concepts and strategies for historic preservation.
Community Profiles and Stories	Produced and managed creative projects conveying the Southwest Corridor project opportunities and constraints through videography.
Multi-modal Transit App Video	Created a video describing the development and process of creating a multi-modal transit app and the potential uses for TriMet.

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