

Erin Haswell, Technical Manager

B.S. Economics, Lewis & Clark College

Erin Haswell is a Technical Manager at ECONorthwest with a background in quantitative economics and mathematical analysis. Since joining ECONorthwest in 2013, Erin has worked on a range of projects including traffic and revenue forecasts, online benefit calculators, and transportation management and pricing. She has experience in forecasting, econometric modeling, algorithm implementation, data analysis, and web development. Erin is skilled in Python, Django, and R, as well as other programming languages. She specializes in software development related to traffic and revenue models and data analysis and visualization. She has worked on the development of customized models to estimate the revenue potential from managed lanes for freeways in Southern California and the San Francisco Bay Area. Erin manages a suite of websites and is the lead software developer for ECONorthwest's proprietary Toll Optimization Model©.

Representative Projects

Erin Haswell has served as Technical Manager on the following projects, unless otherwise noted:

FORECASTING AND MODELING

- **Traffic and Revenue Forecasts – Various (Ongoing).** Performing traffic and revenue forecasts using ECONorthwest's Toll Optimization Model for corridors in the San Francisco, California; Los Angeles, California; and Charlotte, North Carolina metro areas.
- **Canby Toll Bridge Feasibility Study – Clackamas County, OR (2018–Ongoing).** Assisting Clackamas County with tolling, revenue forecasts, and the financial feasibility of a toll bridge that would replace the Canby Ferry.
- **LA Metro Tolling and Microsimulation – Los Angeles, CA (2018–Ongoing).** Supporting WSP in analyzing traffic and revenue from converting the I-10 and I-110 from HOV managed lanes to tolling of all vehicles in the toll express lanes using microsimulation modeling.
- **I-105 Managed Lanes Feasibility – Los Angeles, CA (2018–Ongoing).** Working on a new phase of work under a master agreement with LA Metro for corridor feasibility T&R.
- **LA Metro Toll Lane Network Development – Los Angeles, CA (2017–Ongoing).** Refining toll and revenue forecasting for the I-10, I-110 and I-405 corridors.
- **Traffic and Revenue Analysis for Hwy 101, SMCTA – Bay Area, CA (2017).** Provided traffic and revenue forecasts associated with innovations in a 16-mile, heavily-used Hwy 101 corridor in the south SF Bay Area.

- **SCAG Region Value Pricing Project, Regional Express Lanes Network—Southern CA (2017).** Performed the traffic and revenue forecasts to support the development of congestion management strategies for a regional express lane network in the SCAG region in Southern California.
- **Biannual Oregon Highway Cost Allocation Studies—Salem, OR (2013, 2015, and 2017).** Supported development and programming of Oregon’s Highway Cost Allocation Tool and assisted with research on other federal and state Highway Cost Allocation Tools and how they differ from Oregon’s approach.
- **Orlando Congestion Pricing Feasibility Study—Orlando, FL (2015).** Assisted with evaluation of congestion pricing options in Orlando.
- **LA Metro, HOV to HOT Conversion Feasibility Study—Los Angeles, CA (2014).** Completed traffic and revenue forecasts for managed lanes and general-purpose lanes using ECONorthwest’s Toll Optimization Model (RapidTOM©) for CA I-105, I-605, and I-405 corridors in the Los Angeles metro area for LA Metro Transportation Authority.
- **PB/I-405 Sepulveda Pass Feasibility—Los Angeles, CA (2013).** Analyzed the economic feasibility of extending the CA I-405 managed lanes through Sepulveda Pass for LA Metro Transportation Authority.

EDUCATION, HEALTH, AND SOCIAL POLICY

- **Disability Benefits 101 Calculator—Various (Ongoing).** Managing development and maintenance of online disability benefits estimation tools for DB101, including *School and Work* and *Benefits and Work*, in multiple states.
- **Development and Maintenance of Helper Sites—Various (Ongoing).** Supporting programming development and maintenance of online benefit calculators and pre-screeners that estimate eligibility for various state, local, and federal benefit and social assistance programs for multiple states and counties. Online tools include *LACountyHelps*, *Arizona Self Help*, and *OregonHelps*.

MARKET AND ECONOMIC IMPACT ANALYSIS

- **Economic Impacts of Cars-for-Hire—Various.** Analyzed the new economic impacts of the expansion of car-for-hire services in various metro areas.
- **PBA Annual Value of Jobs Update—Portland, OR (2014).** Updated and analyzed data related to employment, income, and output figures for the Portland Metro Area relative to comparable metro areas for Portland Business Alliance.
- **Rembold Beaverton Market Study—Beaverton, OR (2013).** Assisted with market study for a development site in Beaverton. Project included analysis of housing, income, and demographic trends for the site and metropolitan market areas.
- **AOI/Overview of Oregon’s Manufacturing Sector—(2013).** Collected and analyzed data on the health of Oregon’s manufacturing industry, which included comparison of wages and job trends across sectors, for Associated Oregon Industries.

- **Shelter Resources/OHCS Affordable Housing Analysis – Various, OR (2013).** Provided market analysis in support of an application to Oregon Housing and Community Services for funding for affordable housing projects in Oregon.
- **Intel Economic Impacts – Hillsboro, OR (2013).** Assisted with estimation of economic and fiscal impacts of Intel’s Oregon operations.

URBAN PLANNING AND REDEVELOPMENT

- **Brownfield Redevelopment – OR & WA (Ongoing).** Assisting with market analyses and implementation plans related to the redevelopment of brownfields in Oregon and Washington.
- **Creekside Master Plan – Beaverton, OR (2013).** Supported the development of a master plan for the Creekside District in Beaverton. Areas of focus included redevelopment analysis and prioritization of investments.
- **Oklahoma City Growth Scenario Analysis – Oklahoma City, OK (2011).** Helped evaluate the fiscal impacts of potential growth scenarios for Oklahoma City. Assisted with examination of future patterns of development and the full range of public services provided by the City to forecast changes in costs and revenues for each of the different growth scenarios.