



WHISTLING RIDGE ENERGY LLC
NATHAN LARSON
RÉSUMÉ
EXHIBIT NO. 11.01

Nathan M. Larson, PE, PTOE

Senior Transportation Engineer

Overview

Mr. Larson is a Senior Transportation Engineer in the Seattle office with fifteen years of experience. He has a broad range of transportation engineering and planning expertise, including operations analysis, alternatives evaluation, preliminary design, traffic and transit simulation modeling, and data collection and management. Mr. Larson specializes in detailed operations planning and analysis for complex situations involving transit/traffic interaction, including light rail, grade crossings, transit stations, and transit signal priority. He combines technical expertise with strong attention to the "big picture" and the information needs of transportation's customers, stakeholders, and decision makers.

Project Specific Experience

Prairie Center Project, THF Prairie Center Development, Brighton, Colorado. Mr. Larson was the traffic engineer for the 1800-acre Prairie Center Development Project in Brighton, Colorado. This large-scale mixed-use development includes up to 4,500 new residences and more than ten million square feet of commercial space, as well as two new schools. Working directly for Prairie Center Development, a division of THF Realty, Mr. Larson is in charge of all transportation-related operations analysis and conceptual design for the project, which started construction in 2004.

Traffic Planning and Development, City of Centennial, Centennial, Colorado. From 2003 through 2007, Mr. Larson served as the Traffic Engineer for the City of Centennial, through URS' contract to provide all planning and development review services to the City. He coordinated the transportation elements of development review services and represented the City on interjurisdictional traffic issues.

Date Street Facilities Traffic Impact Study, Bureau of Reclamation, Boulder City, Nevada. Mr. Larson conducted a detailed assessment of the traffic impacts associated with the expansion of the Bureau of Land Management's Date Street complex in Boulder City, NV. The study included detailed examination of roadway and intersection impacts as well as consideration of pedestrians, bicycles, regional trail users, and transit riders.

4-Car Train Simulation Study, RTD, Denver, Colorado. Mr. Larson recently managed the 4-Car Train Simulation Study for the Regional Transportation District (RTD). This study was designed to build on previous work using the VISSIM model he developed for RTD in 2003 to examine in detail the feasibility of using 4-car light rail trains in downtown Denver. The study was successful in identifying potential signal operations issues and mitigation measures to make 4-car train operation a

Areas of Expertise

Traffic Engineering
Traffic and Transit Simulation
Modeling
Transportation Planning
Transit Planning

Years of Experience

With URS: 14 Years
With Other Firms: 2 Years

Education

MS, Civil Engineering/
1999/University of Washington
BS, Civil Engineering/1994/
University of Washington

Registrations/Certifications

1998/Registered Professional
Engineer/ Washington/#35667
2002/Registered Professional
Engineer/Colorado/#36973
Certified Professional Traffic
Operations Engineer /#1185,
Transportation Professional
Certification Board



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successful reality after the Southeast Corridor (T-Rex) light rail lines opened in late 2006.

Vail Conference Center, CDOT, Vail, Colorado. For the proposed Vail Conference Center, Mr. Larson conducted and documented traffic analysis activities to support two successful access permit applications to CDOT. He also advised the architecture team on the operational details of proposed parking and transit facilities, as well as a range of overall access and operating concepts for the conference center at Lionshead Village, which would open in 2007.

NBA All-Star Game Transportation Management Plan, CCD, Denver, Colorado. Mr. Larson managed URS' work in developing the 2005 NBA All-Star Game Transportation Management Plan for the City and County of Denver (CCD), working with a large multidisciplinary task force. He oversaw several aspects of this short-fuse project, including key detour plans, signal timing changes, and a complex array of time-varied lane closures.

Quebec Street Safety and Operations Improvement Study, CCD, Denver, Colorado. For the Quebec Street Safety and Operations Improvement Study for the City and County of Denver (CCD), Mr. Larson led the development of a VISSIM model for the two-lane portion of Quebec Street between 11th Avenue (at the northwestern corner of the Lowry redevelopment area) and 23rd Avenue (at the southwestern corner of the Stapleton redevelopment area). This study examined near-term traffic operations issues and recommended minor optimization measures. Additionally, he developed and conducted a two-day VISSIM training course for CCD and CDOT staff.

Traffic Impact Studies, McKee Medical Center and North Colorado Medical Center, Loveland, Colorado. For the North Colorado Medical Center in Greeley and the McKee Medical Center in Loveland, Mr. Larson conducted detailed traffic impact studies for large-scale expansion and reorganization.

LRT Simulation Project, RTD, Denver, Colorado. Mr. Larson was the project manager for the Regional Transportation District (RTD) LRT Simulation Project, which includes software procurement and simulation model development for RTD's existing LRT network. Two models were developed for this project. OnTrack simulated LRT operations from the trackway/block signaling standpoint, and VISSIM simulated LRT in terms of its street traffic impacts. Mr. Larson was also the technical lead for the VISSIM model development aspect of the project.

Colorado Convention Center Expansion Project, CCD, Denver, Colorado. Mr. Larson conducted a detailed traffic analysis study for the Colorado Convention Center Expansion Project in downtown Denver. This study was done cooperatively with City and County of Denver (CCD) staff and included detailed analysis of signal progression, LRT, and pedestrians. Mr. Larson developed a VISSIM model to supplement Synchro and SimTraffic analysis of the traffic impacts of the proposed



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expansion. This project has been extremely successful in integrating the perspectives of the CCD, RTD, and Denver Regional Council of Governments on downtown signal timing and transit operations issues.

Stapleton Interchange Study, Forest City Stapleton, Denver, Colorado. For the Stapleton Interchange Study at the former Stapleton International Airport site in Denver, CO, Mr. Larson developed an extensive CORSIM simulation model that combined freeway and arterial operations analysis. The simulation effort involved a very high degree of calibration to existing conditions, and the model was used to test the effects of various designs for a new interchange serving the redevelopment project at the former airport site. He also produced an extensive interchange feasibility report to document the analysis process and results.

North Metro Corridor EIS, RTD, Denver, Colorado. Mr. Larson is the Deputy Project Manager for the Regional Transportation District's (RTD's) North Metro Corridor EIS, a part of the 12-year, \$4.7 Billion FasTracks program. North Metro is an 18-mile commuter rail corridor with nine planned stations in five jurisdictions in the Denver metro area.

US 36 Environmental Impact Statement and Basic Engineering, RTD and CDOT, Boulder, Colorado. Mr. Larson is currently leading travel demand forecasting and traffic-engineering activities for the US 36 Environmental Impact Statement and Basic Engineering project in the Denver to Boulder, CO corridor. He is coordinating all technical services related to traffic and transit operations for the study, which includes consideration of commuter rail, light rail, bus rapid transit, and highway widening as major capital improvement alternatives. The consultant team he is an integral part of has been praised by both the client group and stakeholder agencies for their responsiveness and professionalism on this project.

Sequoia/Kings Canyon National Park General Management Plan EIS, National Park Service, Three Rivers, California. Mr. Larson recently documented transportation impacts for the Sequoia/Kings Canyon National Park General Management Plan EIS project. This effort includes a detailed review of transportation conditions in the parks, review of proposed actions for their effects on transportation, and consideration of the "visitor experience" element of transportation itself. As part of this effort, Mr. Larson developed new measures of transportation service quality for park roads that reflect the values of Park travelers and helped conduct a week-long workshop using "Choosing By Advantages" to select a preferred alternative.

Pompeys Pillar National Historic Monument Environmental Assessment, BLM and MDOT, Billings, Montana. For the Bureau of Land Management's Pompeys Pillar National Historic Monument Environmental Assessment, Mr. Larson worked closely with the BLM and the Montana Department of Transportation to examine parking and access impacts of proposed modifications to visitor facilities and parking



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areas, including a new interpretive center. The project was completed in preparation for the Lewis and Clark Bicentennial celebration in 2003.

US 89 Fairfield to Depuyer and US 87 Lewistown to Grass Range Corridor Studies and the Lewistown Bypass Feasibility Study, Montana Department of Transportation, Montana. For the US 89 Fairfield to Depuyer and US 87 Lewistown to Grass Range Corridor Studies and the Lewistown Bypass Feasibility Study in Montana, Mr. Larson conducted planning-level operations and safety improvement studies, including feasibility analysis and conceptual design of proposed improvements. All of these projects had a strong degree of public interest and involvement.

West Valley City/Taylorsville Transit Corridor, Salt Lake City, Utah. For the West Valley City/Taylorsville Transit Corridor DEIS in Salt Lake City, UT, Mr. Larson led the alternatives analysis portion of the project. His work included detailed transit operations analysis for a range of improvements in bus service and several alignments for a proposed new LRT line. These analyses led to a set of transit improvements to be studied in the EIS process that was both technically and politically supported.

Selected Publications

"CORSIM Simulation of CBD Bus Operations in Seattle," ITE District 6 Newsletter (WesternITE), Vol. 53, No. 5, September/October 1999 (with Mike Williams).

"Where the Rubber Meets the Rail: Light Rail Transit Simulation with CORSIM," ITE District 6 Annual Meeting, 2000; and Transportation Research Board Annual Meeting, 2001 (with Craig Rasmussen).

"Getting There is Half the Fun: Redefining Transportation Service Quality for National Parks," ITE District 6 Annual Meeting, 2001 (with Bill Byrne).

"Signalized Intersection Delay Estimation: Case Study Comparison of Transyt-7F, Synchro, and HCS," ITE Journal, March 2002 (with Scott Washburn).

"Smart Growth for Infill Development: How Denver Got it Right (Twice)," ITE District 6 Annual Meeting, 2004.

Awards

Institute of Transportation Engineers (ITE), Colorado/ Wyoming Section President, 2004–2005

ITE Colorado/Wyoming Section Transportation Professional of the Year, 2001

ITE District 6 Van Wagoner Award, 2003 (presented for the best technical paper by a District 6 author in a national journal)