

Education

California State University, Chico
BS Civil Engineering Fall 2002
-Magna Cum Laude-

Registration

CA 68511

Professional Affiliations

Habitat For Humanity Board of
Directors - Butte County Affiliate –
Secretary

ASCE

Phi Kappa Phi

Tau Beta Pi

Skill Summary

Auto CAD – Land Development

HEC-RAS– Hydraulic modeling

Pond Pack– Hydrology model

Water CAD– Water system model

LEED AP Training

Roundabout Design Training

Mr. Simmons is an Associate Engineer with experience in municipal roadway design, large site design, mixed commercial / residential subdivision design, and small community water systems. Ross has been a part of NorthStar Engineering since the summer 2000. He serves as the design engineer for Municipal roadway and site design projects.

Municipal Roadway Design Experience

- Manzanita Avenue Corridor Reconstruction, City of Chico: Design Engineer for the preparation of plans, specifications, and engineer's cost estimate. The project consists of road and bridge widening, intersection realignment, drainage and sewer design, as well as public participation meetings, right of way acquisition, and coordination with City and Caltrans staff. Special features include multiple roundabouts and special environmental sensitivity for the 1.5 mile section of road.
- Washington Montgomery Street Roundabout – City of Oroville: Design Engineer for the preparation of plans, specifications, and engineer's cost estimate. This project included working with a roundabout specialist sub consultant (RTE) to replace an existing signalized intersection in a prominent location with a modern roundabout to both enhance the area aesthetically and provide better traffic circulation. Included in this project were ROW acquisitions as well as sewer replacement, storm drainage modifications, decorative retaining walls, enhanced lighting, and full roadway improvements.
- Westside Place Subdivision (Green Point Rated), New Urban Builders, Chico: Design Engineer for the preparation of subdivision plans for a uniquely urban subdivision on Hwy 32 in Chico. The project consists of approximately 175 homes on 20 acres with narrow streets and alley access to homes. This project includes offsite improvements; HWY 32 road widening, new storm drain main with outfall, and utility relocations that required coordination with both Caltrans and the City of Chico.
- East 20th Street Roadway Widening and Signal Modifications – City of Chico: Design Engineer for the preparation of plans, specifications, and engineer's cost estimate. This project includes widening a constrained 4 lane roadway in a heavily commercial area adjacent to the Chico Mall into a 6 lane roadway as well as shifting the main Mall entrance to a new signalized intersection further from Hwy 99. Included in this is modifying two existing signals to accommodate changed lane and turning movements as well as complete plans for a new traffic signal at the relocated Mall entrance.

Large Site Design Experience

- Chico Mall Expansion, Butte County: Site Design Engineer for a 2008 general mall expansion. Work includes overall utility, storm drainage, and sewer planning to facilitate new construction. Site plan maximizes use of existing parking lot features to reduce cost and preserve parking during construction. The project includes subcontracts to both electrical and landscaping to complete the parking lot and site landscaping.
- Butte College Engineer (LEED Projects), Butte County: Site Design Engineer for Butte College projects including such projects such as the 2004 parking lot expansion Lot "D", 2007 Chico center parking lot expansion, the 2005 Butte College Solar Field, the 2006 Library-Expansion plans, the 2007 Instructional-Arts building site plans (LEED), and the 2008 Student and General Services building site plans (LEED). All projects demand strict coordination with architects, planners, and the college to deliver an exceptional finished product.

Mixed Commercial / Residential Design Experience

- Meriam Park (LEED Proposed Projects), New Urban Builders, Chico: Design Engineer for the preparation of subdivision plans for a uniquely urban subdivision on East 20th Street in Chico. The project consists of approximately 1500 homes & over a million sf of office, retail, & commercial on 210 acres. The majority of the project is multi story attached homes and business with little to no property line setbacks, narrow streets, and alley access to lots. This project includes offsite improvements; road widening, storm drain main with outfall, and utility relocations, roundabout design, bridge construction, and numerous environmental mitigations.