

**TODD R. WHIPPLE, P.E.**  
**PRESIDENT – WHIPPLE CONSULTING ENGINEERS, INC**

Mr. Whipple is the President and a Project Manager/Senior Design Engineer for Whipple Consulting Engineers, Inc. with over twenty-five years of experience in the design of water, sewer, street and storm drainage elements for Residential and Commercial Land Development projects as well as Municipal Corporations. In this capacity Mr. Whipple has extensive experience in the engineering analysis, design and project management of these elements from inception through final construction, including the entitlement, design, bidding and construction monitoring of Land Development projects including Commercial, Residential and Multi-Family Developments. Mr. Whipple's areas of expertise are Storm Drainage analysis and design, Pump Station (water and sewer) design as well as Traffic and Transportation analysis and design. Specifically, his project experience has included the entitlement, design work and construction management for over 7,500 residential lots, over 25 lift and/or pump stations, over 2,500 multi-family residential units, numerous business parks, over 6,000,000 square feet of retail and commercial developments, several master planned communities as well as the design of streets, highway interchanges, bridges, dams and storm water impoundment areas and associated underground utilities in both Washington and most of the western states. Relating to transportation issues Mr. Whipple has provided analysis and documentation for all types of Traffic/Transportation Engineering related projects such as traffic signal design (over 60 signal systems), traffic impact studies (over 1000) as well as large transportation corridor level Environmental Impact Statements, feasibility studies and PS&E design projects with construction values in excess of \$350 m. Additionally, he has been responsible for water, sewer and storm water system designs including water booster pumps, reservoirs and sewer lift stations; wastewater treatment plant upgrades; water, sewer and storm water comprehensive plans and feasibility studies. Mr. Whipple has an excellent grasp of the concept of storm water design and implementation for sub-regional, regional and area wide plans. Mr. Whipple is distinguished in Spokane County for working with the County to develop the stormwater discharge method of evaporative pond design.

**EDUCATION:**

Gonzaga University: B.S., Civil Engineering

Northwestern University, Traffic Institute: *Traffic & Transportation Engineering & Design*

University of Washington: *Post Graduate Courses*

University of Washington: *Cold Regions Engineering Short Course-AK Registration Requirement*

**AFFILIATIONS:**

Institute of Transportation Engineers (ITE)

American Society of Civil Engineers (ASCE)

American Public Works Association (APWA)

American Water Works Association (AWWA)

Washington On-Site Sewage Association (WOSSA)

**REGISTRATION: Licensed Civil Engineer in the following states**

Washington	Idaho	Wyoming	Montana	Colorado
Oregon	Utah	Alaska		

**REPRESENTATIVE PROJECTS:**

Over 25 years Mr. Whipple has worked on many types of projects through out his career from entitlements through construction management, as principal in charge, project engineer, design engineer, etc... some of which are listed below, the facility noted may have been designed either specifically for the entity noted or within their jurisdiction for a private development

**Schools**

University High School, Central Valley High, Medical Lake High School, Cheney High School, Kellogg High School, plus numerous elementary and middle school projects

**Highways**

I-90 Completion projects (Seattle) (East Mercer Way, Stage 2; North Mercer Way; 77<sup>th</sup> Avenue Island (Kent Way), Hwy 2, Hwy 95, Hwy 195, Hwy 395

**Subdivisions**

Coeur d' Alene Place, Meadow Wood, Riverwalk, Northwoods, Meadow View Terrace, Westwood North, Blackhawk, Jesse's Bluff, Falcon Ridge, Windhaven, Stone Horse Bluff, etc..

**Commercial**

Wal-Mart, Lowe's (Eagle), Home Depot, Target, Fred Meyer, Staples, Office Depot, Various Banks, HiCO Mini Marts, Walgreens, Autozone, Commercial Strip Centers, etc...

**Pump Stations (Water and/or Sewer)**

City of Spokane, Whitworth Water District, Irvin Water District, Liberty Lake Water District, City of Lebanon (OR), Payson (UT), Port of Sunnyside (WA), etc..

**Traffic and Transportation**

**Roundabouts**

4<sup>th</sup> and Kathleen (CdA), Hanley and Courcelles (CdA), numerous commercial roundabouts

**Traffic Signals**

Over 60 systems throughout WA, OR, ID, MT, CO, AK

**Transportation Mitigation Plans**

Harvard Road Mitigation Plan, Pines Road Corridor Study, Sullivan Road Corridor Study, etc..

**Traffic Studies**

Todd has provided traffic studies for projects that range in size from a 1,000,000 sf commercial shopping center, 2,400 unit master planned residential and commercial community to a 3,500 sf convenience store, etc...

Specific project lists can be provided upon request.