ALIGNED ENGINEERING, LLC
Civil engineering and drafting · Aloha, Oregon

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Capabilities statement

A small civil engineering and drafting firm, ESB certified and licensed in Oregon and Washington, for roadway, stormwater, ADA, lighting, PS&E, and construction inspection work as a direct consultant to public agencies or as a subconsultant on a prime's team.

CORE COMPETENCIES

- **Roadway design** in Civil 3D: alignments, profiles, cross sections, grading, corridor models, intersections, sight distance, quantities, staking notes.
- **Stormwater**: treatment, detention, and flow control sized in WWHM, with the report for DEQ, Ecology, Clean Water Services, and local review.
- **ADA facilities**: curb ramps, sidewalks, pedestrian signal replacements, and TPARs, ODOT certified, with form checks before the pour.
- **Roadway lighting**: photometric plans, luminaire and light loss factor summaries, an efficient design plus an alternative, to PBOT, ODOT, and Beaverton standards.
- **PS&E**: plan sets from 30 percent through signed final plans, specifications to agency templates, engineer's estimates, bid administration support.
- **Construction administration and inspection**: daily observation reports with photos, submittal review, asphalt and concrete checks, closeout.
- **Drafting and plan production** to the client's CAD standard in AutoCAD, Civil 3D, and MicroStation, including overflow near a deadline.
- **Drone mapping and inspection**, FAA Part 107, flown by the engineer: repeatable progress records, inspection angles, orthomosaics, measurements used directly in the design.

WHY A PRIME OR AN AGENCY WORKS WITH US

- ESB participation with the work done here, not passed through.
- One point of contact, the engineer, from the task order through the field.
- Sheets delivered in your layers, title block, and numbering.
- The designer can be the inspector: field questions go to the person who drew the plans.
- Typically a response within one business day.

PAST PERFORMANCE

- **Portland Bureau of Transportation**, Front Ave-Naito Parkway LID Project. PS&E at 30, 60, and 95 percent and final Mylar plans, as a subconsultant to Kittelson & Associates, plus a second contract for the East Portland Access to Employment and Education Project.
- **Marion County**, Wintercreek Road Reconstruction. 75 percent plans through final signed plans and staking notes.
- **Marion County**, full-depth reclamation. Horizontal and vertical design of about three miles of county road, with sections, intersections, retaining walls, grading, and sight distance.
- **Marion County**, Traffic Signal Interconnect Project. Base map, base plans, design markups, traffic control plans.
- **City of Sheridan**, 2026. Construction inspection of street and utility work for a new apartment project, most working days since September 2026, through the City's on-call engineer, with drone progress records.

COMPANY DATA

ENTITY	Aligned Engineering, LLC, Oregon. Aloha, Oregon (Washington County).
PRINCIPAL	Robert Rippee, PE
LICENSES	PE Oregon 77739PE PE Washington 54469
CERTIFIED	Emerging Small Business (ESB), Oregon COBID. FAA Part 107 remote pilot. ODOT certified, ADA curb ramp and pedestrian signal design.
NAICS	541340 Drafting Services
SOFTWARE	Civil 3D, AutoCAD, MicroStation with InRoads and OpenRoads, WWHM, AGi32
SERVING	Oregon and Washington
ON REQUEST	Certificate of insurance, W-9, rate sheet, references

TYPICAL TASK ORDERS

- Roadway plan production, 30 to 100 percent
- Lighting photometrics and compliance checks
- ADA ramp design and TPAR sheets
- Stormwater sizing and report
- PS&E production and quantities
- Construction inspection, daily or part time
- Drone progress documentation
- Drafting overflow near a deadline

AGENCIES AND FIRMS

ODOT · PBOT · Washington County · Marion County · City of Sheridan · City of Independence · Kittelson & Associates · David Evans and Associates