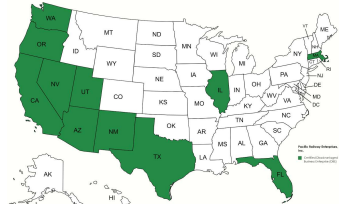




**PACIFIC
RAILWAY
ENTERPRISES, INC.**

Woman-Owned Small Business

DBE Registered in:



California DBE/SBE CA No. 36200
 Washington DBE - No. D2F0024183
 Texas DBE/WBE - CIN #WFDB91595N0119
 Oregon DBE/WBE - No. #8559
 New Mexico DBE - No. 18-02-630
 Nevada DBE - NV20081650NUCP
 Arizona DBE - 21552
 Utah DBE
 Florida DBE
 Massachusetts DBE
 Illinois DBE

NAICS Codes:

541330

Engineering Services

541340

Drafting Services

541512

Computer Systems Design Services

DUNS #: 96-275-0238



CONTACT INFORMATION

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CAPABILITY STATEMENT

Pacific Railway Enterprises, Inc. (PRE), **DBE, SBE, Woman-Owned Small Business** that provides comprehensive signal and communications design and inspection services for railroads and agencies.

PRE's staff represents an advantageous balance of field and office personnel, who have come directly from the industry either through the class one railroads, major electrical installation contractors or operating agencies. PRE personnel have a variety of backgrounds in commuter, freight, transit, in the areas of design, construction and maintenance. PRE staff leverages this collective experience as a team daily to provide successful outcomes to our clients.

CORE COMPETENCIES

- Signal and Train Control Design PS&E
- Rail-based Communications Design PS&E
- Highway Grade Crossing Design PS&E
- Design Support During Construction
- Design Services for Design Build Project
- Third Party Design Reviews
- On-site technical assistance
- Field inspection
- Field surveys
- Commissioning of new systems
- Cutover support, direction, and management
- New product review and recommendations
- Factory Acceptance Testing
- Vital processor software development
- Vital software simulation and rack testing
- Cost estimating
- Long- and short-term planning support
- Construction/Project management

PAST PERFORMANCE/DIFFERENTIATORS

- Experience with Freight, Passenger, Commuter, Transit Light Rail and Heavy Rail
- Key consultant on Metrolink and NCTD Positive Train Control. 2 of the 4 railroads who met the PTC 2018 deadline
- Member of the Design Build Team on the Foothill Gold Line Phase 2B as the Freight Train Control Design Manager
- Communications Design including Fiber, Microwave, and Radio
- PTC Radio Slot Plan analysis for new locations using Mentum Planet
- Station Systems Design including Public Address, Fare Collection, Security, and Changeable Message Signs
- Experience with E-ATC Code Cab Signal

CLIENTS



SCRRA - Valley, Ventura, and East San Gabriel Communications Backhaul

Project Highlights

- Construction Management and Inspection Duties.
- Expanded role to develop and propose alternate microwave, fiber and ethernet networks.
- Work with Project Manager and SCRRA to develop improved schedules and cost saving options.
- Field surveys of all fiber optic equipment locations.
- Field surveys of all proposed mountain top facilities.



SBCTA - Redlands Passenger Rail

Project Highlights

- Nine-Mile Passenger Rail Line Extension to the SCRRA/MetroLink system.
- Vital Signal Fiber Network standard was led by PRE.
- PRE provided radio signal coverage studies for PTC, VHF (voice radio), and ATCS.
- Wireless Nearside Crossing Implementation, a first within the Metrolink system.
- 24 grade crossings within the project limits.
- PRE provided Full Signal Design for the project.
- Oversaw commissioning of the railroad communications and signal system.

SCRRA - Anaheim Canyon Station Improvements

Project Highlights

- Completed signal, Positive Train Control (PTC), crossing warning, railroad communications and station passenger information systems.
- PRE recommended combining the SCORE Olive subdivision signal respace improvements within the Anaheim Canyon Station Improvements project, which accelerated the project deliverable and realized cost efficiencies.
- PRE staff performed vital application programming, simulation and rack testing, pre-cutover testing including PTC. PRE coordinated with BNSF for handshake testing at Atwood junction. PRE placed the signal system and crossings in service successfully.
- The railroad communications work included two phases of fiber cable staging and cutover to complete the network changes while maintaining service and reliability.
- The Customer Information Systems included design of passenger information monitors, visual message signs, public address systems in accordance with Metrolink standards.



SMART - Petaluma North Station

Project Highlights

- Worked on 7 Crossing Locations.
- Created new Control Point locations.
- Created systems for new station platform.
- Updated Control Lines for E-ATC system.
- PRE delivered Issue for Construction plans on time to meet SMART's goal of a 5 month design cycle in line with funding expiration critical path.
- PRE's first design of control point for gauntlet track.
- Performed design review of existing Class 1 pathway designs to assess impacts to train control systems and backhaul fiber infrastructure.

