

# Signals & Communications

## Inspection, Maintenance, Construction



*North America's leader in Track and Transit & Systems construction and maintenance services*



Your most complete resource for track construction, maintenance and rehabilitation also brings you a full range of signals & communications services.

## Signals & Communications

*From the most experienced contractor on the right of way*



RailWorks offers comprehensive signals & communications services through RailWorks Signals & Communications in the United States and PNR RailWorks in Canada.

These capable and experienced S&C divisions perform warning and wayside signal projects turnkey. Whether serving as a general contractor or as a subcontractor, RailWorks will coordinate work safely and professionally with other contractors and in conjunction with active railway operations.

RailWorks provides Class I, regional, short line and transit rail systems with a full range of S&C services for new installations and existing systems:

- Signal design review
- Procurement
- Wiring
- Testing and commissioning
- Inspection & maintenance
- Additional installation services, including switch heaters, blowers and fiber cable

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## A Full Range of Construction, Inspection and Maintenance Services

### Safety

Our efforts to put safety first have resulted in an industry-leading safety record. All RailWorks employees are trained in personal safety, Roadway Worker Protection, individual railroad operating rules, and function- and equipment-specific tasks. Every work day begins with a safety and job briefing and hazard assessment before any work tasks are started.

### Expertise

RailWorks continually trains new employees in railway signal practices and technological changes to ensure we are the leaders in the industry. Signal maintainers and installation crews are fully trained to ensure understanding and compliance with FRA/Transport Canada rules and regulations.

### Inspections and Maintenance

All work is completed by qualified signal maintainers in compliance with FRA and Transport Canada standards and frequency. The results are documented in log books and complete reports are sent to customers.

### Testing and Commissioning

Test documents are prepared well in advance to ensure a thorough review and approval prior to installations. T&C teams perform all operational tests in accordance with established railway practices and regulatory requirements.

### Construction and Installation

**Positive Train Control (PTC) Systems** – RailWorks’ ongoing collaboration with systems manufacturers and designers, along with our experience in wayside installations for PTC components, ensures owners of a reliable PTC solution.

**Centralized Traffic Control (CTC)** – RailWorks will install and test wayside train control signals, interlocking plants, control points and wayside detector systems.

**Crossing Warning Systems** – RailWorks works closely with servicing railroads and state and provincial transportation departments/agencies to install and test highway/rail grade crossing warning systems.

**Signal Houses** – RailWorks can provide fully wired and tested shelters and racks for both signals and communications-type systems.

**Transit Signaling** – With experience working in active train environments, RailWorks provides comprehensive signal installation and maintenance services for new and existing transit and commuter rail operations.

**Communications Systems** – RailWorks will install and test communications systems for wayside train control signals, interlocking plants, control points and wayside detector systems.

**Wayside Inspection Systems** – RailWorks has the capability of installing various wayside detector systems, including high-water detectors, hot box detectors, hot-wheel detectors, dragging equipment detectors and AEI sites.

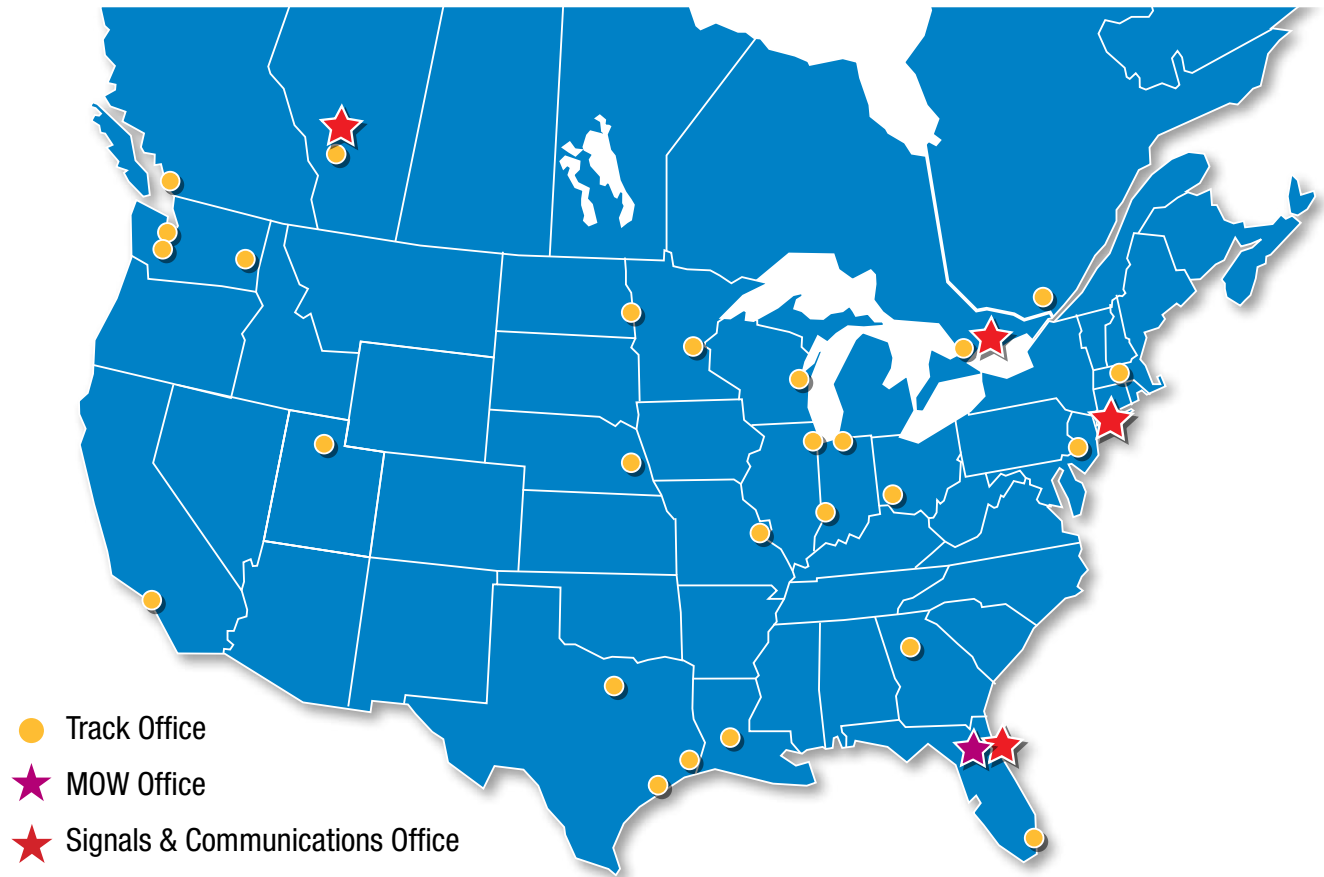
**Switch Clearing Devices** – To address extreme winter weather, RailWorks specializes in installing all types of switch clearing devices (SCDs), including electric, propane and natural gas. Certified gas technicians ensure proper installation and meet safety standards.

**Cable and Conduit** – PNR RailWorks will perform conduit installation and cable jetting for all types of cable, including fiber optic cable.



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