

**Grant Waldie, PE, P.Eng.**

**Assistant VP, Sr. Director, National Rail Bridge Leader**

***WSP Complex Bridge Group National Business Line***

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**778-846-3385**



### **Expertise and Experience**

Over 18 years of related industry experience, ranging from construction to civil engineering.

- Rail Expert:
  - Has worked with every Class I railroad as well as Amtrak, California HSR, WMATA, MARTA, New Jersey Transit and multiple short lines.
  - Sits on *American Railway Engineering and Maintenance-of-Way Association's* Committee 10; Structures, Maintenance & Construction
  - Rail Coordination: Started and then oversaw the Union Pacific Rail with California High Speed Rail Coordination Group as well as the WMATA Rail Shutdown Coordination Group.
- Bridge Inspection Expert.
  - Vast experience in bridge inspection, evaluation, repair/rehab design, or asset management, specifically in the rail industry (Class I, Light, and High-Speed).
  - Has inspected over 1,600 bridges across the USA and Canada, including working directly with: BNSF, CN Rail, MetroLinx, GoTransit, LA Metro, OmniTRAX, Genesee Wyoming, Keewatin, Trillium, Sydney Coal, Rail America, and Hudson Bay Railway & various other short lines.
  - Engineer-of-Record for over 300 rail bridges
  - PM for design and development of contract documents for small, medium, and large-scale bridge rehabilitation projects
  - Bridge rehabilitation expertise in steel, concrete, and timber bridges; restoration, major rehabilitation, emergency repairs, emergency inspections
  - Oversees Load-Rating teams
- Project Management Expert:
  - New Jersey Transit Positive Trail Control – Senior Manager of Project Closeout overseeing all phases of invoices, final deliverables, contract disputes, and change orders
  - CSX CREATE Program – Project Management Analyst, overseeing Schedule, Budget & Quality on \$17 million contract including an internal team of 40 engineers and an external team of 10 sub-contractors.
  - Youngest *Management Certified* project manager at previous firm
  - Author of *Random Advice for Business & Life* which has been in the Top 1% of sales on Amazon.com
- Business Development Expert:
  - Amtrak, MARTA, and WMATA Proposal Capture Manager for \$75, \$10, and \$7 million respectively
  - In 2018, was proposal manager for 29 proposals, all of which were successfully awarded.
  - Gives presentations / lectures to university grads, industry events, and at conferences.

### **Win (Nationally)**

- Be a representative to Governments and industry-related groups by travelling to conferences and client's offices and giving presentations to showcase not only our local focused experience, but also cross-sell other WSP capabilities.
- Use above personal expertise as marketing tools for WSP's bridge practice, particularly as it pertains to rail and bridge inspection projects.
- Assist in strategies to win rail bridge and inspection-related pursuits.
- Provide assistance in technical writing for proposals, perform reviews at every stage of the proposal, coach pursuit interviewees as well as attend client interviews.

### **Do (Nationally)**

- Plan, oversee, and carry out all aspects of bridge inspection, whether it be: Inspection, evaluation, repair/rehab design, or asset management, specifically in the rail industry (Class I, Light, and High-Speed).
- Perform reviews of all the work carried out related to Rail Bridges.
- Direct technical development of projects from conceptual and prelim to detailed design.
- Project Manage and Lead larger-scale more complex bridge engineering projects.
- Mentor staff
- Collaborate with leadership to implement client engagement and business development strategies.

### **Professional Registration and Professional Association**

- Registered PE in WA, IL, CO, and TX
- Registered Canadian P.Eng. in BC, AB, SK, MB, ON, and NS
- Member of AREMA Committee 10; Structures, Maintenance & Construction

### **Coursework and Training**

- Aerial and Scissor Lift Safety, 2016, 2021
- Fall Protection Refresher, 2021
- Corrosion, Protection, and Strengthening of Existing Concrete Structures, 2019
- Parsons Project Management Certificate, 2018
- Canadian National Railway Bridge Inspector Training, 2018
- Canadian National Railway Contractor Safety Program, 2017
- Federal Aviation Administration – Small Unmanned Aircraft Systems, 2016
- Pacific Ropes – Fall Protection, 2016
- Alberta Bridgeworks Bridge Inspection Truck Operation, 2016
- WHMIS Training, 2015
- Envirosafety - Fall Protection, 2013
- FHWA-NHI - National Highway Institute Introduction to Safety Inspection of In-Service Bridges, 2012
- Envirosafety - Confined Space Awareness, 2012
- American Railroad Engineering and Maintenance-of-Way Association (AREMA) – Bridge Inspection Seminar