

*HRV provides the inspection of structural steel at the point of fabrication and construction. Specialty services include consulting, supervision, and plant audits. Projects range in size from partial days to multi-year and include many types of structures and members.*

### About Us

We are leading experts in materials (steel, concrete, coatings, FRP, etc.) QA and QC inspection, construction management and construction inspection focused on delivering services for transportation, rail & transit, oil & gas, power, commercial, water/wastewater, and aviation markets worldwide. We are **Quality. Assured.**

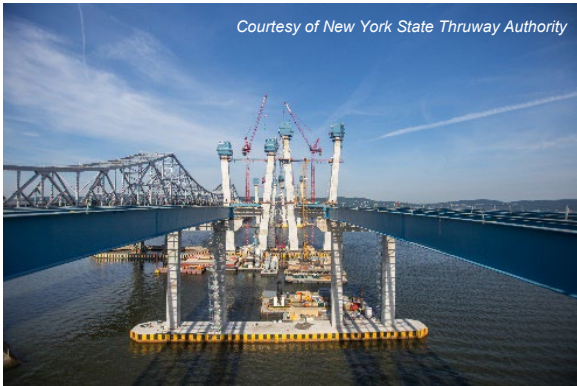
### At HRV, our clients are our focus

We employ experienced and highly trained technical experts who provide QA inspection and testing of structural steel in both shop and field environments for multiple transportation infrastructure owners.

### Steel Practices/Services

- ▲ Providing quality assurance/quality control inspectors to perform fabrication inspection of structural steel components including:
  - Bridges
  - Sign structures
  - Traffic and light poles
  - Pipe and fittings
  - Light and heavy rail
- ▲ Monitoring of fabrication processes and quality
- ▲ Witness welder qualifications
- ▲ Conduct visual inspections of material for conformance with the approved specifications, plans and codes, as well as verification of Certified Material Test Reports (CMTR) for materials used
- ▲ Ensure materials and components are at key points along the manufacturing process in both steel mills and steel fabrication shops
- ▲ Verification of Welding, Bolting, and Coating practices of in-process material
- ▲ Witness welder and welding procedure qualification tests as applicable to the scope of the project
- ▲ Witness and verify Non-Destructive Testing (NDT) during shop fabrication

- Nationally recognized technical expertise in Steel, Concrete, Coatings, CM/CI, NDT, Consulting and Training
- A certified Woman-Owned Business Enterprise with approved DBE status in more than 30 states and transportation authorities
- International experience includes Italy, Japan, Korea, Germany, Belgium, Norway, Trinidad, Saudi Arabia, and China
- Key Professional Certifications:
  - *Professional Engineers*
  - *Certified Construction Managers (CCM)*
  - *Construction Inspectors (NICET)*
  - *American Welding Society (AWS)*
  - *American Society for Nondestructive Testing (ASNT MT, PT, RT, UT)*
  - *American Concrete Institute (ACI)*
  - *Precast/Prestressed Concrete Inst. (PCI)*
  - *Association for Materials Protection and Performance (AMPP, NACE/SSPC)*
  - *International Code Council (ICC)*
- Key Markets:
  - *Transportation*
  - *Rail & Transit*
  - *Oil & Gas*
  - *Power*
  - *Commercial*
  - *Water/Wastewater*
  - *Aviation*
- Key Client Types:
  - *State Departments of Transportation*
  - *Turnpike/Tollway Authorities*
  - *Rail/Transit Authorities*
  - *Oil & Gas Pipeline Owners*
  - *Energy Companies*
  - *Municipal Authorities*
  - *Sports & Entertainment*



### **\$3.9B Governor Mario M. Cuomo Bridge (formerly known as the Tappan Zee Bridge)**

**Owner:** New York State Thruway Authority

**Services:** Steel fabrication inspection of steel pipe piles and bridge member components, including misc. materials and galvanized coatings; welding inspection, non-destructive testing (UT and MT).

### **\$3.8B Hampton Roads Bridge-Tunnel (HRBT) Expansion Project**

**Owner:** Virginia Department of Transportation

**Services:** QA inspection of structural steel during the fabrication and production of bridge plate girders, beams, and other misc. materials.



### **\$1.4B PIT Terminal Modernization Program (TMP)**

**Owner:** Allegheny County Airport Authority

**Services:** Shop inspection (steel and concrete), construction inspection, general inspection, coatings inspection, and non-destructive testing.

### **\$80.1M Liberty Bridge Emergency Inspection**

**Owner:** Pennsylvania Department of Transportation

**Services:** Non-destructive testing and consultation services for repairs to the damaged truss section, Magnetic Particle (MT) of high strength bolts and hardness testing of existing steel, on-site QA services.

