



HRV's concrete expertise involves QA inspection and testing of precast and cast-in-place products in both shop and field environments. This includes prestressed and post-tensioned applications. Specialty services include supervisory visits and fabricator audits in addition to product failure analysis.

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.**

Our Clients Are Our Focus

We employ experienced and highly trained construction managers and inspectors who provide the inspection and testing of concrete in both shop and field environments to multiple transportation infrastructure owners.

Concrete Practices/Services

- ▲ Verify and document that concrete produced conforms to approved mix design by way of aggregate sampling and admixture utilization
- ▲ Perform/witness and document plastic testing of hydraulic cement concrete with the American Concrete Institute (ACI) and American Society for Testing and Materials (ASTM) test methods
- ▲ Witness and document construction and utilization of formwork in accordance with manufacturer and product design specifications
- ▲ Inspect and document reinforcement steel installation to verify conformance to product design specification by way of pre-pour inspection
- ▲ Witness and document tensioning operations for prestress and post-tensioned products with the Precast Concrete Institute (PCI) specification
- ▲ Witness and document concrete placement and finishing operations to include consolidation and screeding
- ▲ Witness and document concrete curing operations to include hydration and temperature regulation
- ▲ Witness form removal and storage to include dunnage placement and stacking by way of post-pour inspection
- ▲ Observe product loading and document shipping operations from fabricator to jobsite

FAST FACTS

- 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 Concrete Institute (ACI)*
 - *Precast/Prestressed Concrete Inst. (PCI)*
 - *Association for Materials Protection and Performance (AMPP, NACE/SSPC)*
 - *American Welding Society (AWS)*
 - *American Society for Nondestructive Testing (ASNT MT, PT, RT, UT)*
 - *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*



\$550M Purple Line (Light Rail) P3 Project

Owner: Maryland Transit Authority
Services: QA shop fabrication inspection (concrete, steel)

\$1B Fenway Center Parcel 7 Development

Owner: MassDOT
Services: QA shop fabrication inspection (concrete, steel), precast/pre-stressed concrete inspection, and structural steel inspection



\$1.4B PIT Terminal Modernization Program (TMP)

Owner: Allegheny County Airport Authority
Services: Shop inspection (concrete, steel), construction inspection, general inspection, coatings inspection, and non-destructive testing.

\$216M Heinz Field, PNC Park, PPG Paints Arena Structural Facility Assessment

Owner: Sports and Exhibition Authority (SEA)
Post-Construction Services: Structural steel inspection, precast concrete inspection, cast-in-place concrete, handrails, gates, and misc. steel inspection

