

Novel Technology

- Global decarbonization workshop/partnership
- SBCTA – ZEMU hydrogen passenger rail project
- Battery and dual fuel project support
- Joint Policy (Shared Use) projects
- High-speed rail support (BLW, Acela, CA-HSR)
- Hyperloop and maglev
- OST HASS partnership
- International technology outreach

Automated Track Inspection Program

| ATIP Operations | 2023 (Thru 11/30) |
|----------------------|-------------------|
| Miles Surveyed | 163,246 |
| Total Exceptions | 7,640 |
| Safety Critical Exc. | 1,390 |

(ATIP contracts awarded to ENSCO and Tetra Tech)

Technology and Automation

- Change detection (AI)
- Machine vision/Lidar
- TDS data analytics
- G&W/Parallel Systems
- GPS interference w/OST
- ATIP advancements
- NETT Council support
- ATIP support for HRA
- R&D support for new tech
- Position, Navigation and Timing (PNT) comms support
- High-speed noise rule
- Labor and industry outreach
- Rail PNT pilot project with Volpe and OST

Washington, DC Union Station (Authority Having Jurisdiction)

- Contract recomplete complete (IBTS awarded)
- Subbasement bridge project
- Claytor Concourse modernization (grand opening soon)
- Code compliance inspections for new businesses returning post-Covid