ATLaS

Accelerated Transportation Loading System

*Delivering rapid pavement lifespan data in days instead of years.*

ARA

## About the ATLaS APT

Since our first ATLaS delivery in 1997 to Ohio University, ARA has delivered ten accelerated pavement testers (APT) to research institutes across North America and China.

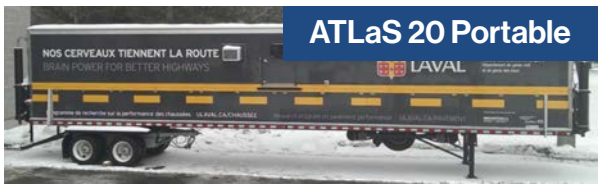
ARA's 63,000 square foot ISO certified manufacturing facility in Randolph, Vermont is home to experienced engineers, designers and technicians with decades of experience in geotechnical fields. All of our APT platforms are custom built to accommodate traffic-induced load capacities, budget constraints and site restrictions.

A standard one year warranty and support package is included with all deliveries. Additional support contracts are often desired and we currently provide such services in foreign and domestic markets. These are inclusive of training, updates, repairs, maintenance, and on-call support via toll free telephone and email.


ATLaS 20

## ATLaS platforms are currently in use at:

- Federal Highway Administration (2 units)
- U.S. Army Corps of Engineers
- Rutgers University
- Université Laval, Canada
- Louisiana State University
- Montana State University
- University of Illinois
- Ohio University
- Jilin Communication Scientific Research Institute, China




ATLaS 20 Portable

## Available options include:

- Wheel wander
- Environmental controls (temperature cycling, freeze-thaw cycles)
- Braking
- Tire pressure control
- Tire type (dual, single, full dolly)
- Automated testing
- Remote monitoring
- Portability
- Unidirectional loading
- Bidirectional loading
- Research support & operations
- Service agreements

ATLaS 80

| | ATLaS 20 Portable | ATLaS 20 | ATLaS 80 |
|---|---|---|---|
| Max. Wheel Load - lb. (kN) | 22,000 (98) | 22,500 (100) | 80,000 (356) |
| Max. Traverse Length – ft (m) | 33 (10) | 65 (20) | 85 (26) |
| Constant Speed Length - ft (m) | 20 (6) | 40 (12) | 65 (20) |
| Max. Loading Speed – mph (kph) | 6.5 (10.5) | 7.5 (12) | 10 (16) |
| Wheel Loading | Pneumatic | Hydraulic | Hydraulic |
| Total Wheel Wander – in. (mm) | ± 24 (600) | ± 24 (600) | ± 36 (900) |

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