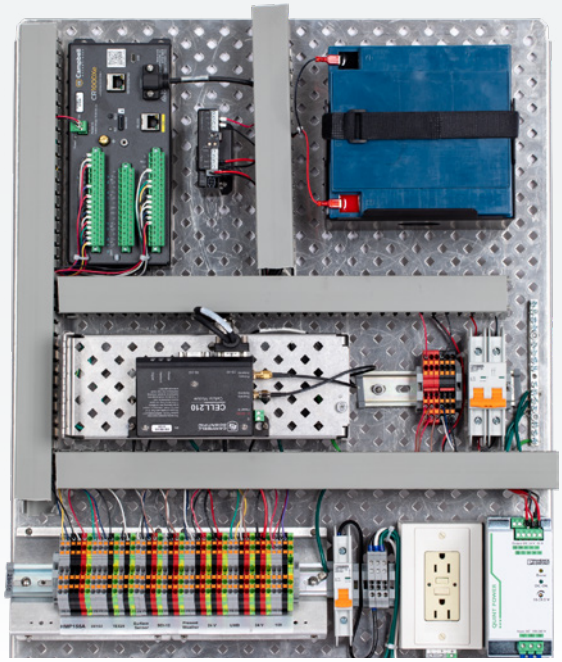
EasyRWIS Backpanel

A BABA-Compliant Retrofit for Road Weather Information Systems (RWIS)

The EasyRWIS Backpanel is a Build America, Buy America (BABA)-compliant retrofit assembly that modernizes an existing RWIS station without replacing it. It drops into your current environmental sensor station (ESS) cabinet—pairing a Campbell Scientific data logger with pre-wired sensor interfaces, NTCIP 1204 communications, power distribution, and surge protection in one standardized, pre-tested unit.



NTCIP 1204
National Transportation Communications for ITS Protocol standard built in

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BABA waivers needed

Benefits and Features

- **Protecting what's already in the ground**
  A sensor-agnostic, open architecture keeps your existing pavement, atmospheric, visibility, and camera sensors in service—regardless of who installed them.
- **BABA compliance without the wait**
  Self-certified domestic-content documentation is included. No waiver is required for federally funded projects.
- **Plugs into what you already run**
  NTCIP 1204 communications integrate directly with your existing central RWIS software and statewide traveler information systems.
- **Retrofit budget, not capital budget**
  Because the cabinet and field sensors are retained, a single-site retrofit deploys faster and is often fundable through maintenance budgets.

Ready to modernize your RWIS network?
Talk with Campbell Scientific's road weather team about a pilot program or custom configuration. Ask them your BABA compliance questions.

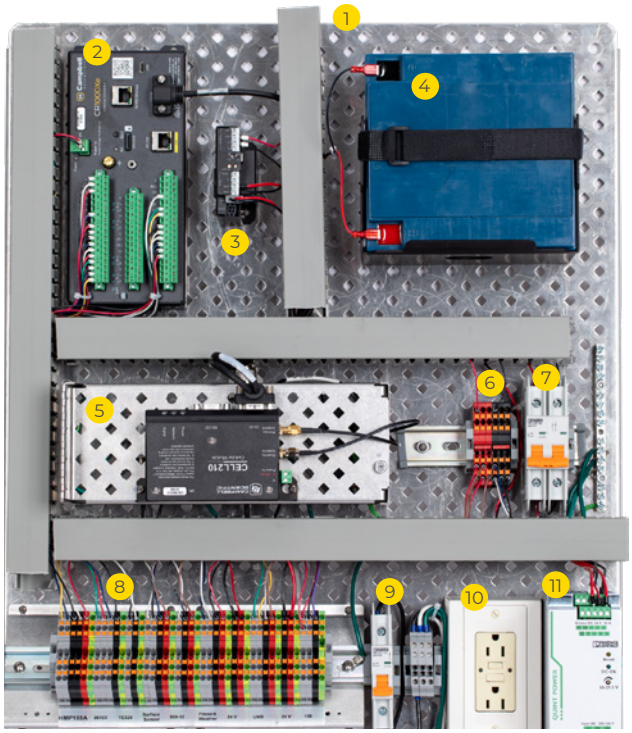
campbellsci.com/environmental/surface-transportation

How It Works

Six standardized building blocks, pre-wired and factory tested before they reach your cabinet

Technical Highlights

- **Data Acquisition:** The Campbell Scientific CR1000Xe manages sensor sampling, quality checks, alarms, and NTCIP data delivery.
- **Communications:** Antenna and surge protection are built in. Connect your cellular modem, Ethernet, fiber, or radio.
- **Power and Backup:** Automatically transfer to a 28 Ah battery during outages.
- **Field Ready:** Terminal blocks double as diagnostic test points for fast, low-disruption maintenance visits.



Backpanel Key

1. Cellular antenna
2. CR1000Xe datalogger
3. CH200 charge controller
4. Battery
5. Modem/switch space
6. Power distribution blocks
7. Circuit breakers
8. Sensor terminal blocks
9. AC input/breaker
10. Convenience outlet
11. 24 Vdc power supply

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Pre-wired panel components, factory tested as one unit

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Cabinet retained—no full station replacement

Compatible Sensors

Air Temperature/Relative Humidity HygroVue™10, HMP155A	**Wind** 05103
Precipitation TE525, CS125	**Visibility** CS125
Non-Contact Road SurfaceVue™10, NIRS31, DST/DSC, WinterSense	**Invasive Road** IRS31Pro
Subsurface/Soil CS230, CS231	**Water Level** RangeVue™15