Cities – Road Maintenance

IoT Settings Use Case Microcourse #3
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Benefits: Solve issues more quickly to improve public safety (or—better—fix things before they are even a problem), save time and money by more efficient in scheduling and supply management

Threats: Broken sensors, lack of connectivity, security concerns

Transfer or refill supplies, such as salt, sand, concrete, asphalt, maintenance vehicles, tools, etc.

Sensors in the roads and bridges, and weather sensors, send data to the control center

Sensors

Supply Locations

Command Center

Maintenance Technicians

General Public

Fix potholes, repair bridges, salt and sand during icy weather, are alerted automatically to be on-call during inclement weather

Electronic signs along the freeway are automatically and dynamically updated to indicate accidents, construction, detours, or other hazards