



**Transparity TMS is a powerful combination of standard-compliant technology, advanced algorithms, and tried-and-true methodology.**

## Standard Compliance

Developed based on the latest national protocols to ensure the system will evolve with your needs over time. Adheres to NTCIP 1201, NTCIP 1202, TMDD, and underlying base standards.

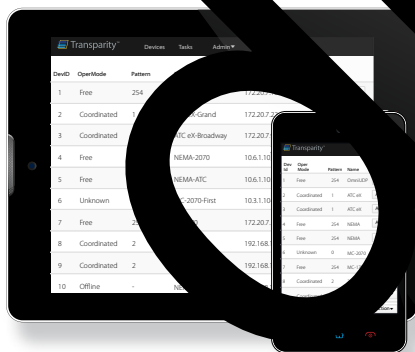
## Device Compatibility

Compatible with 170, 2070, NEMA TS 1 and TS 2, and ATC controllers running NTCIP-compliant local control software and select 170 and 2070 traffic controller programs. Permits integration with IP-enabled devices such as CCTV cameras, battery backup systems (BBS), EV preemption devices, and traffic signal monitors (CMU/MMU).

## System Architecture

Windows-based application using client-server architecture, .NET framework, and MS SQL Server database.

Using the latest in web services, *Transparity TMS* opens the door for interoperability with web and mobile clients. Providing the foundation for efficient and reliable data-center data exchange and secure methods for encoding the operational status of traffic systems to external networks.



## System Functionality

### Monitor System-Wide Traffic & Devices

- Survey traffic conditions remotely
- Monitor system-wide device status in real-time
- Log detailed intersection operations
- Receive instant notifications of device or traffic performance issues
- Record user activity and controller access

### Analyze Traffic Trends

- Measure performance for individual intersections and coordinated systems
- Generate reports on current or historic trends, and performance measures
- Analyze vehicle, pedestrian, EV preemption, and transit signal priority
- Integrate with external high-resolution event reports

### Improve Control Strategies

- Configure controller TOD conditions
- Modify phase sequence and priority response to specific traffic conditions
- Reduce congestion and increase efficiency
- Implement adaptive signal control strategies

### Manage Schedules, Tasks & Users

- Schedule controller operations, device log retrieval, and event notifications from one central scheduler
- Consolidate system-wide information in central database
- Track assets and inventory
- Enhance system security through unique user permissions
- Reduce inefficiencies and issues related to mismanagement of controller timing
- Verify and validate timing parameters

### Connect Users, Agencies & Devices

- Support inter-jurisdictional data exchange and control strategies in regional deployments
- Integrate NTCIP-compliant devices
- Enable multiple data subscription services for CAV applications

## Customer Support

McCain's ITS Solutions group provides support from system selection through integration, ensuring end-to-end functionality.

Ongoing support is available with online user groups and trainings. Comprehensive software maintenance plans offer feature upgrades, technical support, and quarterly maintenance, including back-ups and updates.

To learn more about McCain's Integrated Traffic Solutions, please contact [info@mccain-inc.com](mailto:info@mccain-inc.com) or call (760) 727-8100

