Traffic Network Integration in Mississippi

By
Acey Roberts
Intelligent Transportation Systems Engineer
MDOT – Traffic Engineering
MDOT will use ITS technologies to improve the quality of life for state residents and visitors by providing more reliable, informative, safer, and flexible passenger and freight multi-modal transportation services.
Long Range Plan
• A Hybrid Network of DOT owned fiber, leased lines T1/T3 and DOT owned broadband wireless (restricted & unrestricted)

• Resource Sharing Agreements are essential.

• A DOT Statewide Rural Telecom network is much different than a Metro LAN.

MSTraffic Telecom Network
- High Speed Ethernet – GigE, 10GigE, Metro Ethernet
- Ethernet based Intersections rather than Serial
- Broadband Wireless – Unrestricted and Restricted

Traffic Network Telecom Trends
• Safety on Non-Interstate Roadways

• Road Weather Information

• Commercial Vehicles/ Goods Movement

• Incident Management

• Emergency Service

MSTraffic Rural Benefits
• Desoto County / Memphis

• Oxford Incident Management System

• Metro Jackson Fiber Ring

• Hattiesburg Regional

• Gulf Coast Regional

Regional Telecom Projects
• Enhance Transportation Mobility
• Enhance Environmental Quality
• Enhance Public Safety
• Enhance Emergency Response

Hattiesburg Regional ITS
• Improving Efficiency
• Improving Access
• Improving Communications

Mississippi MED-COM Center

MDOT msTraffic Center

MSTraffic/MED-COM Project
Questions?

aroBERTS@MDot.STATE.MS.US
www.gOMDot.com
www.mStraffic.com
www.gulfregionits.org