

## PROJECT SUMMARY

# Mississippi DOT

## Reconnecting Mississippi's Coastal Communities Through ITS

### OVERVIEW

#### Construction and Design:

April-July 2006

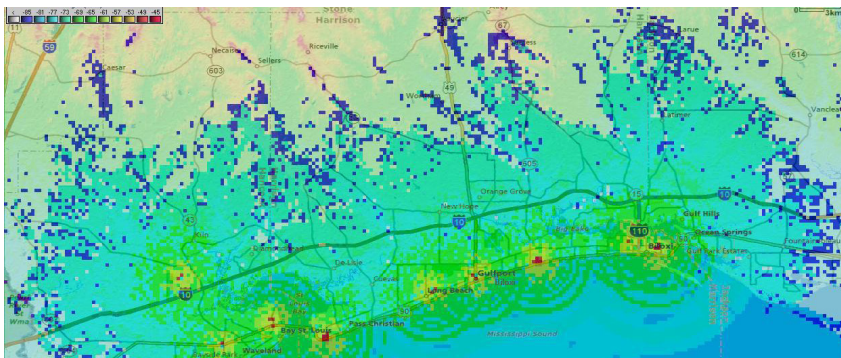
**Service Contract:** 6/1/06-Present

**Project Scope:** Carrier-Based Data,  
Voice & Video Network



As Mississippians began clearing the wreckage and rebuilding their communities after Hurricane Katrina, the Mississippi Department of Transportation (DOT) immediately embarked on a plan to rebuild U.S. Highway 90 along the state's coastline. For Mississippi DOT, the emphasis was not just on replacing what had been, but taking the opportunity to build back better than before. For a constrained corridor that could not be widened, this meant engaging local jurisdictions in a collaborative partnership to build smarter with ITS elements maximizing the corridor's capacity. The plan would bring state-of-the-art traffic management capabilities along the 43-mile corridor with 54 signalized intersections spanning six cities and two counties. A huge challenge and yet a huge opportunity, Mississippi DOT worked not just to replace what was destroyed, but make use of the latest and most appropriate ITS technologies to meet existing and future transportation needs for U.S. 90 and the region.

MDOT, faced with a seemingly insurmountable challenge between the devastation of the storm and the fact that Highway 90 could not be widened to accommodate the ever growing traffic demands of this corridor, turned to InLine to provide a Design-Build Solution for an Intelligent Transportation System (ITS) that would enable real-time traffic monitoring and incident management as well as a number of other applications including Video Detection Systems (VDS) and Adaptive Signal Control (ASC) along this corridor allowing more vehicles to travel safely down the same road space in an efficient manner.



### CUSTOMER CONTACT

Mississippi Department of  
Transportation (MDOT)

PO Box 1850

Jackson, MS 39215

Mike Stokes

Phone: (601) 359-1454

Email: MStokes@mdot.state.ms.us

This system also enables these communities the ability to provide telecommunication services to other agencies or connect camera and ITS elements to additional highways, interstates, or arterial streets throughout the estimated 1500 square miles of coverage area.

### HIGHLIGHTS

- 100 Mbps Full Duplex, Licensed, Point-to-Point Wireless Backbone
- Broadband Access with over 1500 square miles of coverage
- 1.5 Mbps Redundant Distribution Connections Using Unlicensed 900 MHz Spectrum
- 5 Mbps Point-to-Multipoint Last Mile Using 4.9 GHz Restricted Public Safety Spectrum
- Provides Near-Line-of-Sight and Non-Line-of-Sight Connections, Including Mobile Broadband
- Fully Redundant "Hurricane Resistant" Network with No Single Point of Failure

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