



A Smart, State-of-the-Art, 21st Century Corridor

The new Jane Addams Memorial Tollway (I-90) will incorporate the latest technologies available, including high-tech gantries placed every half mile between Barrington Road and the Kennedy Expressway, making the roadway safer and more efficient for the benefit of Tollway customers.

- **Active Traffic Management (ATM)**

ATM will provide real-time information to drivers including nature and status of traffic incidents ahead, ability for Pace buses to drive in the shoulder lanes, advisory speeds, posted alternate routes and real-time lane closures and traffic pattern changes.

- **Upgraded and Expanded Camera System**

Roadway cameras along I-90 will be upgraded from analog to digital high-definition, enhancing our ability to pan and zoom in and out to better respond to roadway incidents. The number of cameras is also being increased to provide coverage along the full length of the I-90 corridor from O'Hare International Airport to Rockford.

- **State-of-the-Art Wireless Traffic Sensors**

New traffic sensors will be added to provide more comprehensive travel time information. Sensors will also be added to ramps along the corridor, enabling the Tollway to monitor them for potential backups. These systems will be available for integration with local communities to allow communication with local traffic signal systems.

- **Upgraded Digital Message Signs**

In addition to replacing our current full-width, monochrome digital message signs with higher-resolution, full-color graphic-capable models, the new I-90 will feature smaller, four-color digital message signs to enhance communications with drivers throughout the corridor.

- **New Weather Stations**

Weather stations along the I-90 corridor will be upgraded to state-of-the-art technology capable of providing pavement monitoring and weather conditions at critical locations, including bridges on the system, to monitor and report on icing conditions.

FLEXIBILITY FOR THE FUTURE

The new I-90 will include flexible infrastructure to enable the Tollway to add new "smart" features as needed or as they become available in the years to come.

- **Vehicle-to-Infrastructure Communication**

This feature could allow our infrastructure to communicate with cars over a wireless network, exchanging data about each vehicle's speed, location and direction of travel and providing feedback to drivers to react to developing situations. The roadway will include infrastructure elements that will accommodate the equipment needed to communicate with vehicles in the future.



Updated 02/26/15

For more information,
visit www.illinoistollway.com or call 1-800-TOLL-FYI





SMART CORRIDOR FEATURES

I-90 will feature active traffic management (ATM) through the use of high-tech gantries placed every half mile that provide real-time information to drivers including:

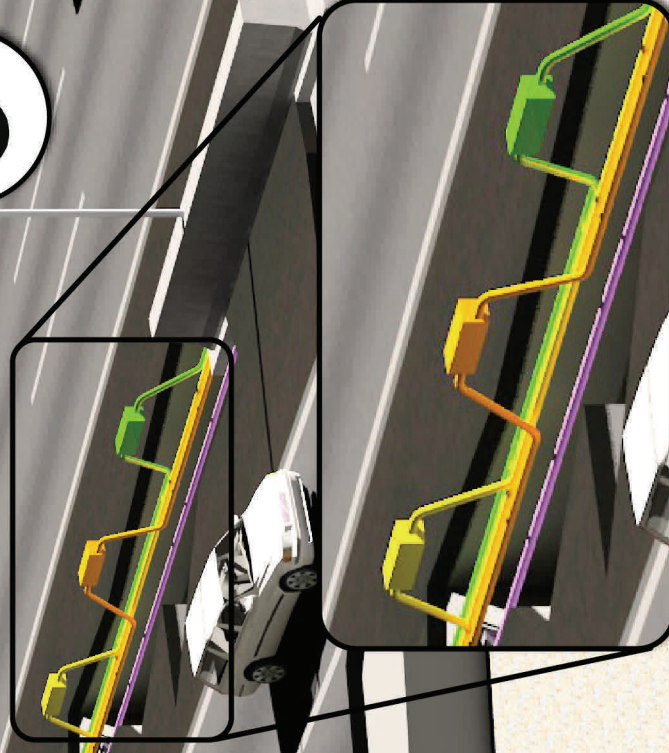
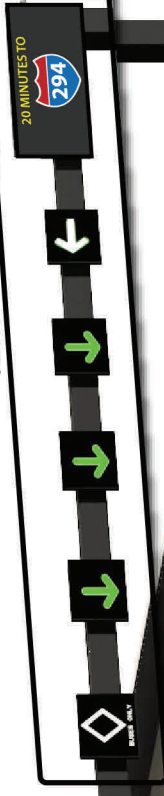
- Nature and status of traffic incidents ahead
- Ability for Pace buses to drive in the shoulder lanes
- Advisory speeds
- Proposed alternate routes
- Real-time lane closures and traffic pattern changes

The new I-90 roadway will also feature:

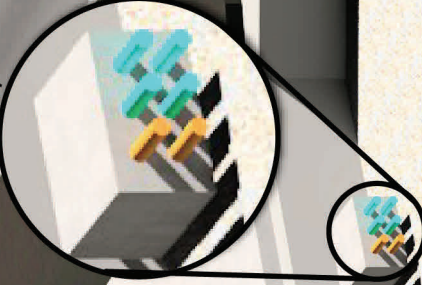
- Upgraded and expanded roadway camera system for full-coverage of the I-90 corridor
- State-of-the-art wireless traffic sensors to provide more comprehensive travel times and monitor for traffic backups
- New weather stations to monitor and report on pavement conditions at critical locations
- Flexible infrastructure to enable the vehicles of the future to communicate with one another and the roadway



ACTIVE TRAFFIC MANAGEMENT



CONDUIT



JANE ADDAMS MEMORIAL TOLLWAY

Rebuilding and Widening Project - Smart Corridor Features



Updated: 02/26/15