

JANE ADDAMS MEMORIAL TOLLWAY



I-90 Rebuilding and Widening Project - Eastern Segment

PROJECT OVERVIEW

In 2016, the Illinois Tollway will complete roadway rebuilding and widening on the second phase of the \$2.5 billion Jane Addams Memorial Tollway (I-90) Rebuilding and Widening Project between the Elgin Toll Plaza and the Tri-State Tollway (I-294). In addition, work will begin to launch the new I-90 SmartRoad, incorporating active traffic management (ATM) on a portion of the roadway to make I-90 safer and more efficient for the benefit of Tollway customers.

Construction in 2016 includes completion of roadway rebuilding and widening and work on bridges and interchange ramps. In addition, work will continue to complete noisewalls and retaining walls, utility relocations, signage installation and drainage improvements.

The first phase of the I-90 Rebuilding and Widening Project between I-39 in Rockford and the Elgin Toll Plaza was completed in 2014. Roadway construction on the 25-mile segment of I-90 from the Elgin Toll Plaza to I-294 is scheduled to be complete in 2016.

Construction update 7-15-16

I-90

On eastbound I-90 between Higgins Road (Illinois Route 72) in Rosemont and the River Road Toll Plaza, a work zone is in place to rebuild the outside lanes on I-90, with three lanes available to traffic. Currently, the right lane is a dedicated exit lane to the ramp carrying traffic to southbound I-294 and O'Hare International Airport. The remaining three lanes of traffic are shifted to the left and provide access to northbound I-294 and the Kennedy Expressway.

At the River Road Toll Plaza, traffic is reduced to two open road tolling lanes through fall and on the cash side of the plaza, various lanes will be closed to accommodate work but there will always be one I-PASS or Pay Online and three manned toll collection lanes available.

Between I-294 and Illinois Route 25, three lanes of traffic are open in both directions and traffic is shifted to the right.

Between the Fox River and Illinois Route 31, three lanes are open in both directions with all traffic traveling on the westbound side of the road.

Between the Kennedy Expressway and Barrington Road, installation of over-the-road SmartRoad gantries is ongoing through fall. Overnight lane closures will be scheduled as needed, including intermittent, full closures each lasting 15 minutes, between 11 p.m. and 5 a.m. Information about scheduled lane closures will be listed in the Tollway's Daily Construction Alerts posted on the Tollway's website at www.illinoistollway.com.

Interchanges

Illinois Route 53 Interchange

All ramps remain open to traffic while construction is underway to complete pavement repairs and resurfacing on the ramps. Work also includes guardrail replacement, roadway lighting installation and drainage improvements. Traffic shifts and lane closures will be needed to complete the work and signage will be posted to direct drivers.

On the ramp from southbound Illinois Route 53 to westbound I-90, traffic shifts will be in place into fall to provide a work zone for pavement patching and paving work.

On the ramp from eastbound I-90 to southbound Illinois Route 53, traffic shifts and lane closures will be in place through fall for pavement patching and paving before and after the toll plaza. The right I-PASS or Pay Online lane at the toll plaza is closed into August. Two automatic coin machines and one I-PASS or Pay Online lane remain open to traffic.

PROJECT SUMMARY

Eastern Segment Rebuilding and Widening

Reconstruction of the eastern segment of I-90 will complete the \$2.5 billion of the I-90 Rebuilding and Widening Project. As part of the project, the eastern segment of I-90 will be rebuilt and a new lane added to provide four lanes in each direction between Randall Road and the Tri-State Tollway (I-294). Between Lee Street and the Kennedy Expressway, the eastbound mainline lanes over the Des Plaines River Bridge east of the River Road Toll Plaza will be reconstructed.

The new eastern segment roadway will include a 9-inch aggregate base covered by 3 inches of asphalt and then 13 inches of new concrete pavement.

Updated: 7/15/2016



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



The shoulders and inside lanes in both directions on I-90 are being widened to accommodate bus on shoulder service and future transit opportunities. The project will integrate transit into the corridor today, as well as accommodate future transit expansion plans. Park & Ride facilities will be constructed by Pace at Randall Road, Illinois Route 25 and Barrington Road.

The project will also provide 10 new crash investigation sites throughout the eastern segment.

Mainline Bridges with Local Impacts

The I-90 Rebuilding and Widening Project also includes reconstruction of I-90 bridges over local roads between Illinois Route 53 and I-294. Mainline bridges with local road impacts will include: Golf Road, Arlington Heights Road, Busse Road, Oakton Street, Mount Prospect Road, Wolf Road, Touhy Avenue, Mannheim Road and Higgins Road (Illinois Route 72) in Rosemont. Impacts to local roads will include traffic shifts and short-term lane reductions.

Local Crossroad Bridge Projects

Construction along the eastern segment also includes the reconstruction of the bridges carrying I-90 over local roads and the Fox River in Elgin, rebuilding local crossroad bridges in Cook and Kane Counties to accommodate the new, wider roadway and interchange projects at Illinois Route 31, Illinois Route 25, Barrington Road, Roselle Road, Meacham Road and Lee Street.

All of the new crossroad bridges will feature a multi-use bicycle and pedestrian path or a sidewalk.

Additional information about these projects is available on the “Projects by Roadway” section of the Tollway’s website.

SmartRoad



The new I-90 SmartRoad will include a total of 56 high-tech gantries placed every half mile between the Kennedy Expressway and Barrington Road. SmartRoad will feature the latest technologies to make the roadway safe and more efficient for Tollway customers, incorporating active traffic management, integrating transit and delivering a 21st century corridor. The new gantries will not be used for toll collection or toll violation enforcement.

The new I-90 SmartRoad will feature:

- Active traffic management (ATM), which will provide real-time information to drivers including nature and

status of traffic incidents, advisory speeds, real-time lane closures, traffic pattern changes and alternate routes via electronic signs specific to each lane of traffic and message boards.

- State-of-the-art wireless traffic sensors, which will be activated to provide more comprehensive travel time information. Sensors will also be added to ramps so they can be monitored for backups.
- Integrated transit with Pace, where SmartRoad will create the option for Pace buses to travel in the new Flex Lanes (inside lanes and shoulders) on I-90 to route around congestion and provide reliable service.

Each gantry will include overhead electronic message boards with higher-resolution, full-color graphic capable models, which will feature smaller, four-color digital message signs to enhance communications with drivers throughout the corridor. The electronic signage and message boards will not be operational until the new system testing is complete and the I-90 SmartRoad goes live in spring 2017.

Traffic Impacts

Whenever possible, the Tollway uses traffic shifts and shoulders to keep as many lanes open during peak hours as were available before construction. Lane closures will be scheduled during overnight and off-peak hours for bridge construction.

On I-90 between I-294 and the Elgin Toll Plaza, the Tollway will maintain three lanes of traffic in both directions by shifting traffic at various points to provide work zones. Eastbound between I-294 and River Road, traffic will be shifted with lane reductions to complete pavement reconstruction.

There will be no shoulders available during construction. However, 34 emergency pull-outs have been constructed between the Elgin Toll Plaza and I-294.

In 2016, traffic throughout the corridor is shifted to the right to provide a work zone on the left for rebuilding and widening of the inside lanes of the mainline roadway. Traffic at bridge locations will shift throughout the year as bridge and ramp construction continues.

At the eastbound River Road Toll Plaza, various lanes will close throughout construction. Traffic also will be reduced to two lanes over the Des Plaines River Bridge east of the plaza. Throughout construction, drivers will have access to all Tollway entrance and exit ramps including Illinois Route 31, Illinois Route 25, Beverly Road, Illinois Route 59, Barrington Road, Roselle Road, Illinois Route 53/I-290, Arlington Heights Road, Elmhurst Road, Lee Street, Devon Avenue, I-190 and the Tri-State Tollway (I-294), as well as the Des Plaines Oasis.

Beginning in summer and continuing through fall, SmartRoad gantries will be installed using overnight lane closures, including intermittent full closures, lasting 15 minutes each,

between 11 p.m. and 5 a.m. to provide a work zone that safely accommodates the work and traffic.

Gantries will be delivered in three sections in advance of each overnight installation and assembled on site in the work zone. Construction of each gantry will begin with installation of the center support and then installation of the gantry over the eastbound and westbound side of I-90.

PURPOSE

Rebuilding and widening the Jane Addams Memorial Tollway from the Tri-State Tollway (I-294) near Chicago to I-39 in Rockford is part of the 15-year, \$12 billion capital program, *Move Illinois: The Illinois Tollway Driving the Future*. When complete, I-90 will be a 21st century, state-of-the-art corridor linking Rockford to O'Hare Airport with eight lanes from I-294 to Randall Road. Six new lanes opened in 2014 from Randall Road to I-39.

The Tollway is coordinating work on the eastern segment with Cook and Kane counties, the Union Pacific Railroad, Canadian National Railroad, O'Hare International Airport, Illinois Department of Transportation, Illinois Department of Natural Resources, Illinois Environmental Protection Agency and the U.S. Army Corps of Engineers, as well as local townships, villages and police and fire departments.

BUILDING GREEN

The Tollway is committed to "Building Green" and minimizing the environmental impact of construction by reducing, recycling and reusing materials. All of the existing pavement on I-90 will be recycled into the new pavement.

Concrete pavements will include recycled asphalt aggregate along with supplemental cements, such as fly ash and ground blast furnace steel slag from industrial waste, reducing energy consumption and greenhouse gases.

Asphalt mixtures used for the roadway base and shoulders will include recycled asphalt pavement, recycled asphalt shingles and warm-mix asphalt. In addition to reducing the cost of this work, reuse of these materials reduces the need for virgin asphalt materials and reduces the volume of material that would otherwise be sent to landfills.

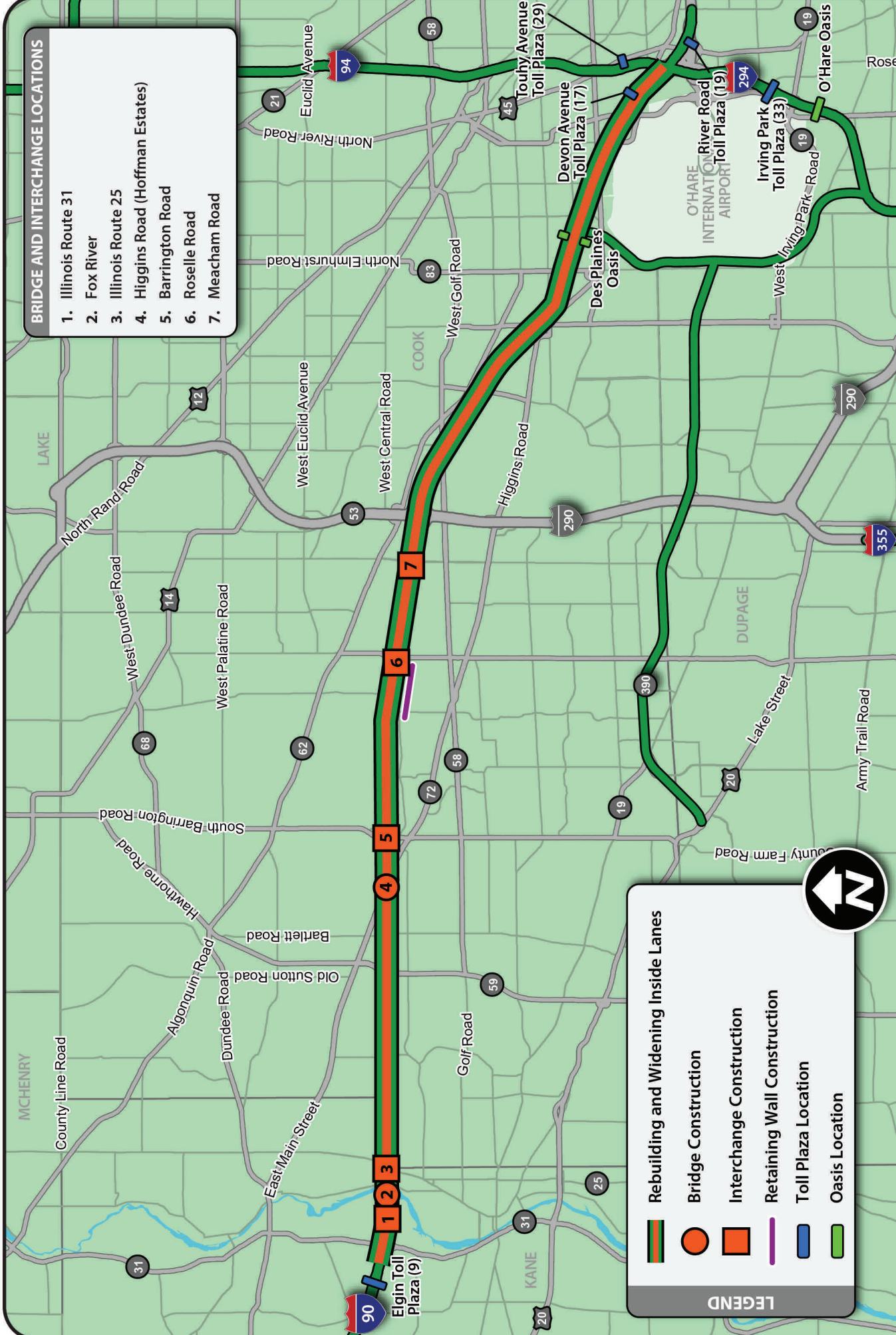
The I-90 Rebuilding and Widening Project also includes construction of 40 acres of new stormwater detention and a stormwater treatment train system that consists of approximately 54 miles of bioswales to help filter out sediments and pollutants associated with roadway runoff and minimize the potential for downstream flooding.

In addition, the Tollway is installing energy efficient light emitting diode (LED) lights throughout the I-90 corridor to reduce energy consumption and maintenance when compared to conventional high-pressure sodium (HPS) lighting.

WORK ZONE SAFETY

A work zone speed limit of 45 mph will be in place between the Elgin Toll Plaza and the Kennedy Expressway (I-90).

Construction zone speed limits are in effect in all construction zones 24/7 and drivers should continue to watch for changing traffic patterns and use caution, especially when workers are present. Visit the Tollway's Work Zone Safety page at www.illinoistollway.com.



- BRIDGE AND INTERCHANGE LOCATIONS**
1. Illinois Route 31
 2. Fox River
 3. Illinois Route 25
 4. Higgins Road (Hoffman Estates)
 5. Barrington Road
 6. Roselle Road
 7. Meacham Road

LEGEND

- Rebuilding and Widening Inside Lanes
- Bridge Construction
- Interchange Construction
- Retaining Wall Construction
- Toll Plaza Location
- Oasis Location