



Barrington Road Interchange Project

PROJECT OVERVIEW

The Illinois Tollway is building a new, \$68 million interchange at Barrington Road on the Jane Addams Memorial Tollway (I-90), in partnership with the Village of Hoffman Estates and the Illinois Department of Transportation. The project will complete an existing partial interchange that currently only provides access to and from the east and provide access to a new Park-n-Ride station built by Pace Bus.

In 2017, construction of a new exit ramp from eastbound I-90 and improvements on Barrington Road will be complete. In addition, a new pedestrian bridge over I-90 will be constructed by the Tollway in 2017 for future Park-n-Ride customers.

Construction Update 4-2-17

Barrington Road Ramps

Construction of the new entrance ramp from Barrington Road to westbound I-90 is complete and the ramp is open to traffic. In addition, reconstruction of the entrance ramp to eastbound I-90 and exit ramp from westbound I-90 is also complete and ramps are open to traffic.

Completion of the new exit ramp from eastbound I-90 to Barrington Road and other improvements on Barrington Road are scheduled to be complete by summer 2017.

Barrington Road

On Barrington Road, two lanes of traffic are available in both directions.

PROJECT SUMMARY

Barrington Road Interchange

The Barrington Road Interchange Project will create new access to and from the east and reconstruct and reconfigure existing ramps to and from the west to provide a full-access interchange. The interchange is being redesigned to improve traffic flow with one signalized intersection located in the middle of the Barrington Road Bridge. All traffic crossing I-90 on Barrington Road and traffic entering or exiting I-90 will be controlled from a single set of traffic signals on the bridge.

The new interchange design requires less space for ramps

and will provide efficient traffic flow by allowing concurrent left turns for greater capacity. The new traffic pattern was chosen because of its ability to move large volumes of traffic through limited amounts of space safely and efficiently.

The project also included the reconstruction of the Barrington Road Bridge carrying traffic over I-90, which was completed in 2016. The new bridge was widened to accommodate the new interchange design. In addition, a new, multi-use bicycle and pedestrian path will be built over I-90.

Local Road Improvements

Barrington Road will be widened and reconstructed from Hassell Road to Central Road/Studio Drive. The roadway will be widened from six to eight lanes from I-90 south to Hassell Road and from four to six lanes from I-90 north to Central Road/Studio Drive as part of the project.

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.

Electronic message signs and construction signage will be put in place in advance to alert drivers to the new traffic patterns. The traffic shifts are necessary to provide a work zone and safely accommodate traffic.

The existing ramps to and from the east will remain open during construction.

On the Barrington Road Bridge, lane closures may be needed at times during construction.

On I-90, temporary overnight lane closures will be scheduled for pedestrian bridge construction.

Toll Collection Information

As part of the Barrington Road Interchange Project, ramp toll collection equipment will be installed to provide cashless tolling with I-PASS or Pay Online lanes on the new ramps carrying traffic to and from the west. Toll plazas on the ramps carrying traffic to and from the east will include I-PASS or Pay Online lanes, as well as automatic coin machines.

Cars with I-PASS will pay 45 cents and the cash rate is 90 cents for cars. Trucks tolls will range from \$1.50 to \$4.00

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



during daytime hours, with overnight discounts offered. Those without I-PASS can pay their tolls online at the cash rate within the seven-day grace period. For more information about how to obtain an I-PASS, please visit www.illinoistollway.com.

Transit

In partnership with Pace, the Barrington Road Interchange Project will feature one of the first Park-n-Ride stations on the Illinois Tollway system.

A new pedestrian bridge over I-90 will be constructed by the Tollway in 2017 for future Park-n-Ride customers.

Pace is leading the design and construction of the new Park-n-Ride station and is expected to begin construction in 2017 and be complete in 2018.

PURPOSE

The Barrington Road Interchange Project will create opportunity for continued economic development along Barrington Road and will open up access between the Tollway and the northwest suburbs. Currently, existing ramps only provide access for drivers traveling to and from the east on I-90, with up to 20,000 vehicles using the interchange daily.

The Barrington Road Interchange Project is funded in part by Illinois Tollway's 15-year, \$12 billion capital program, *Move Illinois: The Illinois Tollway Driving the Future*, and by contributions by the Illinois Department of Transportation and the Village of Hoffman Estates.

BUILDING GREEN

The Tollway is committed to "Building Green" and minimizing the environmental impact of construction by reducing, recycling and reusing materials. In addition to reducing the cost of this work, reuse of these materials reduces the need for virgin asphalt materials and reduces energy consumption, greenhouse gases and the volume of material that would otherwise be sent to landfills.

All of the existing pavement on Barrington Road, as well as ramp pavements will be recycled into the new pavement or asphalt mixes.

Supplemental cements such as fly ash and ground blast furnace steel slag from industrial waste are green materials that will be part of the concrete pavements.

Recycled asphalt pavement, recycled asphalt shingles and warm-mix asphalt will be used in the asphalt mixtures.

In addition, more sustainable designs for the bridge deck construction were implemented with the use of high-performance crack resistant concrete mixes to extend the life of the bridge, resulting in fewer traffic disruptions and less future maintenance needed on the bridge.

WORK ZONE SAFETY

The Illinois Tollway is committed to ensuring that the Jane Addams Memorial Tollway (I-90) and Barrington Road remain safe for both drivers and workers during construction, which is part of the agency's overall commitment to roadway safety.

A 35 mph work zone speed limit is in effect on Barrington Road. On I-90 a 45 mph work zone speed limit is in effect throughout the construction season.

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.

Work zone speed limits, along with temporary lane closures, shoulder closures and traffic shifts are necessary to provide a work zone and safely accommodate the construction of new lanes in each direction on I-90. Electronic message signs and construction signage will be put in place in advance to alert drivers to the scheduled lane closures, traffic patterns and work zone speed limits.

Visit the Tollway's Work Zone Safety page at www.illinoistollway.com.