



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS

EXPERIENCE IT YOURSELF.

Welcome!

**CHICAGO TO ST. LOUIS
HIGH-SPEED RAIL**

Public Meeting



Station Improvements

EXPERIENCE IT YOURSELF.



ILLINOIS
HIGH-SPEED RAIL
CHICAGO TO ST. LOUIS



www.idothsr.org

Train Horns

EXPERIENCE IT YOURSELF.

STANDARD POLICY

- Railroad engineers will begin to sound train horns at least 15 seconds, and no more than 20 seconds, in advance of all public grade crossings.
- If a train is traveling faster than 60 mph, engineers will not sound the horn until it is within $\frac{1}{4}$ mile of the crossing, even if the advance warning is less than 15 seconds.

QUIET ZONE

- In a quiet zone, there is no routine sounding of horns when approaching public highway-rail grade crossings.
- Train horns may still be used in emergency situations or to comply with other Federal regulations or railroad operating rules.
- To establish a quiet zone, the increased risk caused by the absence of a horn must be mitigated.



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idothsr.org

Illinois Commerce Commission: Railroad Safety

EXPERIENCE IT YOURSELF.

- ✓ **Has the statutory responsibility to improve safety at public highway-rail crossings**
- ✓ **Orders safety improvements at public highway-rail crossings with the cost of such improvements paid by the state, the railroads, and local governments.**

**Improvements
typically suggested
by the ICC include
the following:**

- Warning Device Upgrades
- Grade Separations -
New and Reconstructed
- Grade Separations -
Vertical Clearance Improvements
- Pedestrian Grade Separations
- Interconnects
- Highway Approaches
- Connecting Roads
- Remote Monitoring Devices
- Low Cost Improvements at
Unsignalized Crossings
- Crossing Closures
- New Grade Crossings
(Roadway and Pedestrian)



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idothsr.org

Other Track and Roadway Improvements

EXPERIENCE IT YOURSELF.

Will meet **safety requirements** of FRA, ICC, IDOT, and the High-Speed Rail Program

Will **enhance** traffic flow through the crossing areas



BEFORE IMPROVEMENTS



AFTER IMPROVEMENTS



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idothsr.org

Additional Safety Enhancements

EXPERIENCE IT YOURSELF.



Installation of new *premium rail* and concrete ties

Extensive operational testing and approvals process

Curve designs for *high ride quality*



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idothsr.org

Four Quadrant Gate System

EXPERIENCE IT YOURSELF.



- ✓ Reinforce driver-gate compliance
- ✓ Prevent vehicles from entering the path of a train



ILLINOIS
HIGH-SPEED RAIL
CHICAGO TO ST. LOUIS



www.idothsr.org

Crossing Approach/Grade Crossing Signage

EXPERIENCE IT YOURSELF.

- ✓ Pavement Markings
- ✓ Advanced Warning Signage



ILLINOIS
HIGH-SPEED RAIL
CHICAGO TO ST. LOUIS

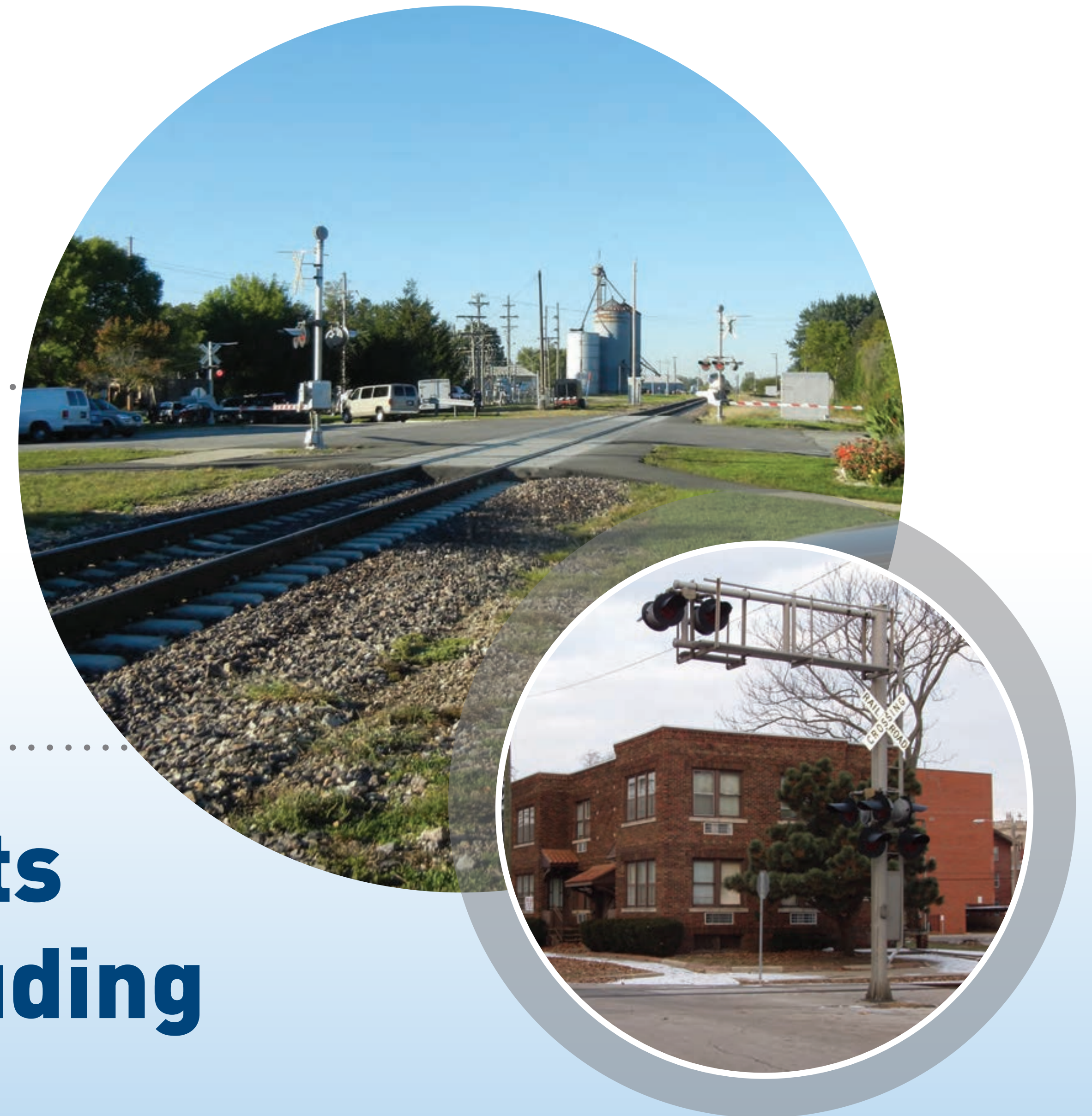


www.idothsr.org

Signal Improvements

EXPERIENCE IT YOURSELF.

- ✓ **Wayside infrastructure will be provided by the Union Pacific Railroad**
- ✓ **Amtrak will assist the program with on-board equipment and systems**
- ✓ **IDOT will coordinate these improvements with input from Program partners, including the Illinois Commerce Commission**



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



Illinois Department
of Transportation

www.idothsr.org

Program Schedule

EXPERIENCE IT YOURSELF.

2010-2012

- Track reconstruction and upgrades

2012

- Procurement process for new high-speed rail cars
- Operation of trains up to 110 mph between Dwight and Pontiac

2013

- Procurement process for new high-speed rail locomotives

2015

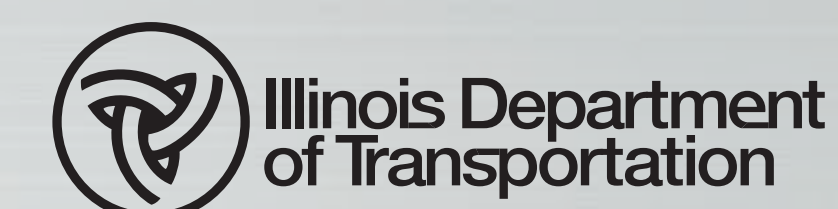
- Significant infrastructure improvements in place to support speeds of up to 110 mph on the Joliet-Carlinville portion of the corridor
- Initial reductions in travel time

2015-2017

- Infrastructure improvements complete with increased speeds over entire Joliet-East St. Louis segment
- Travel time reduced by about an hour
- Springfield Third St. improvements
- Delivery of the new cars and new locomotives



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS

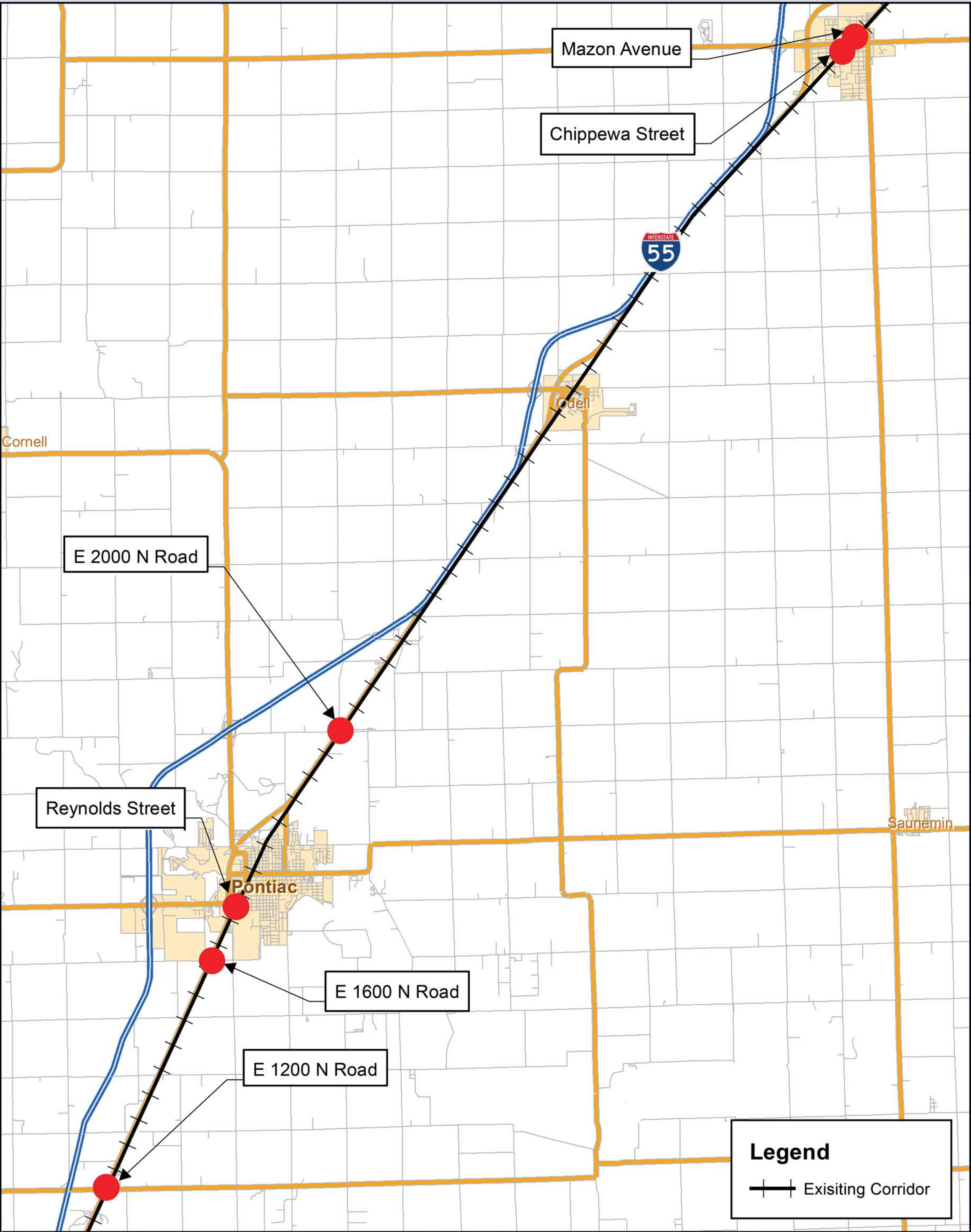


www.idothesr.org

Project Location Map

EXPERIENCE IT YOURSELF.

Overall



ILLINOIS
HIGH-SPEED RAIL
CHICAGO TO ST. LOUIS



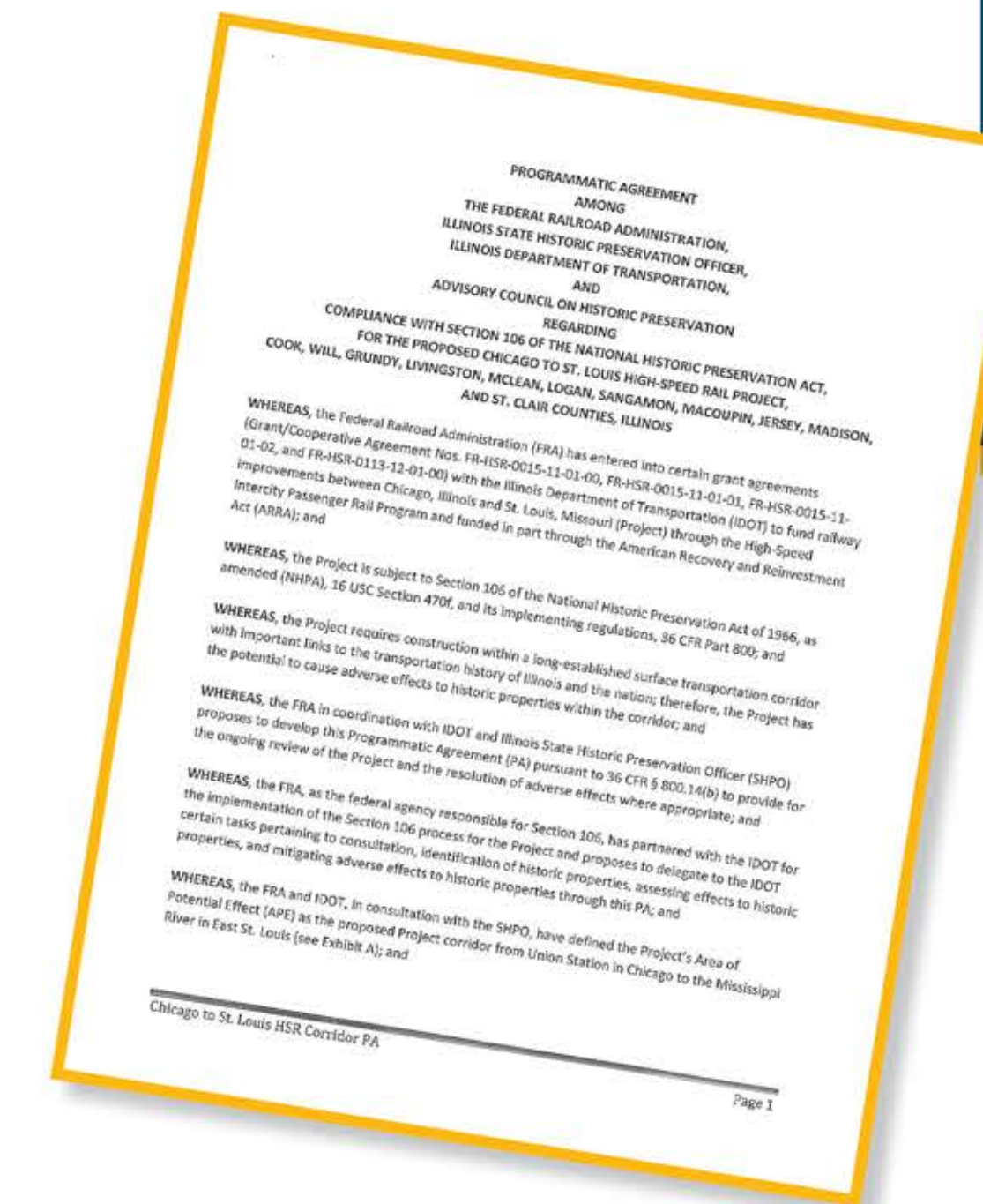
www.idothsr.org

Cultural Impacts

Section 106 of the National Historic Preservation Act

EXPERIENCE IT YOURSELF.

- > **Four of the six crossings (Reynolds, E. 2000 N. Road, E. 1600 N. Road, and E. 1200 N. Road) are adjacent to the Cayuga to Chenoa National Register of Historic Places (NRHP) listed section of Historic Route 66**
- > **Crossing work is being coordinated with the Illinois Historic Preservation Agency (IHPA)**
 - **Coordination began in 2012**
- > **Mitigation measures will be addressed in accordance with a Programmatic Agreement for Historic Route 66**



ILLINOIS
HIGH-SPEED RAIL
CHICAGO TO ST. LOUIS

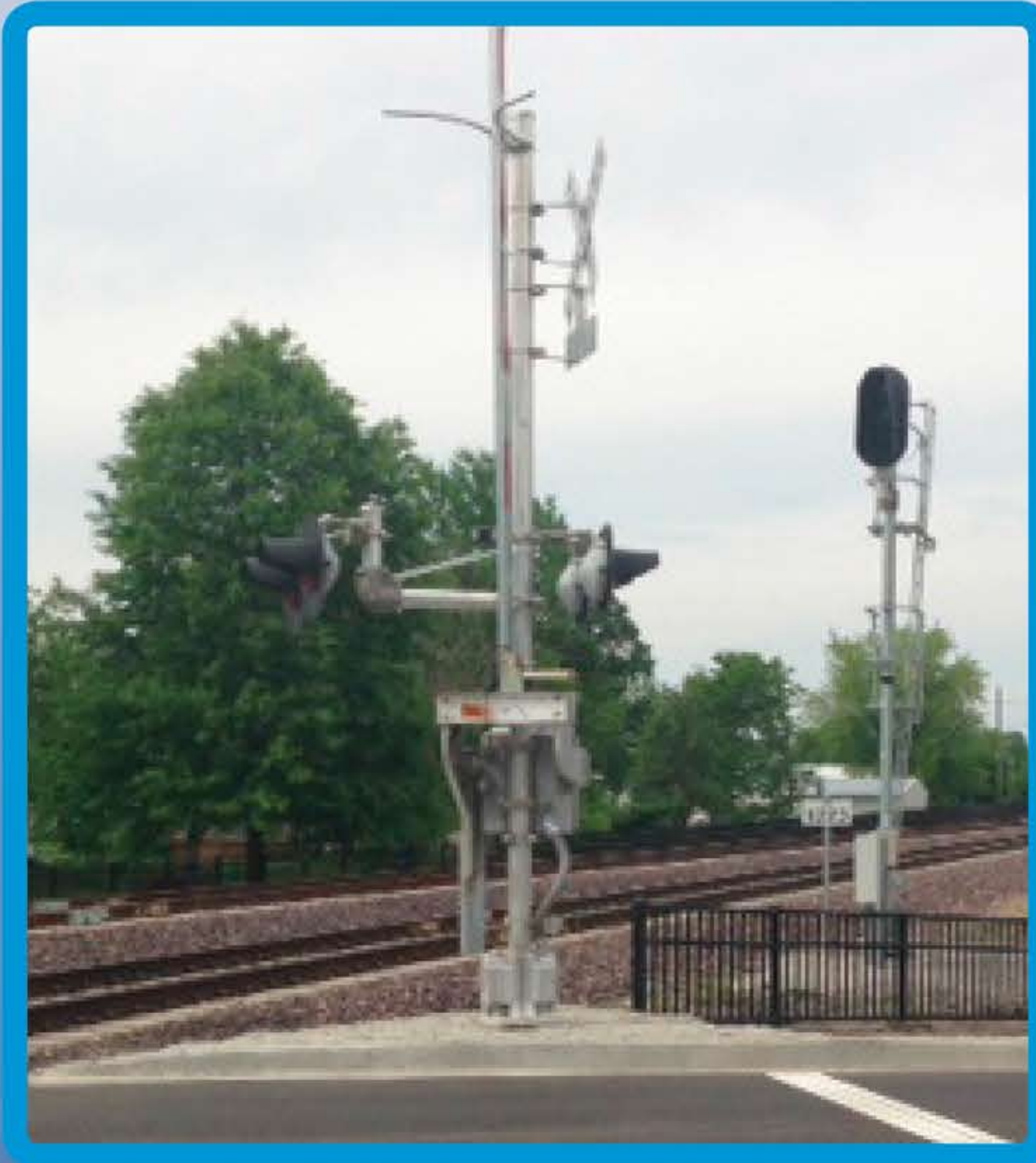


www.idothsr.org

Fencing

EXPERIENCE IT YOURSELF.

Fencing will be installed along the railroad corridor at **Mazon, Chippewa, and Reynolds.**



- ✓ **On both sides of the railroad corridor**
- ✓ **Located within the Union Pacific Railroad Right-of-Way**
- ✓ **Coordinated with the local communities**

- ***Improve pedestrian safety by encouraging pedestrians to cross at designated grade crossings***
- ***Will discourage trespassing***



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idothsr.org

Benefits Achieved by Crossing Improvements

EXPERIENCE IT YOURSELF.

- > Enhance the traffic flow through the intersections**
- > Provide wider medians, travel lanes and new sidewalks**
- > Improve safety conditions near railroad tracks for both pedestrians and vehicles**
- > Benefits vehicular traffic flow, access to intersections and parking due to roadway configuration changes**



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idotHSR.org

Roadway Improvements

EXPERIENCE IT YOURSELF.

- > **New roadway work adjacent to tracks**
- > **Improvement of roadway approaches to the railroad crossing**
- > **New medians and sidewalks**
- > **Culverts and drainage ditch improvements**
- > **Curb and/or shoulder work to tie into existing roadway**
- > **New pavement markings and signage**



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idohtsr.org

Purpose and Need of the Proposed Improvements

EXPERIENCE IT YOURSELF.

- > The proposed improvements for at-grade crossings would provide new safety crossing protection devices that are needed in order to accommodate the increase in train speed.**
- > Additional intersection design improvements, such as realignment of adjacent roadways and cross streets, are required to meet geometric and safety requirements.**



**ILLINOIS
HIGH-SPEED RAIL**
CHICAGO TO ST. LOUIS



www.idothsr.org

Environmental Documentation

EXPERIENCE IT YOURSELF.

Crossings evaluated as part of the environmental documentation completed in May 2014 include the following:

- > **Mazon Avenue**
- > **Chippewa Street**
- > **E. 2000 N. Road**
- > **Reynolds Street**
- > **E. 1600 N. Road**
- > **E. 1200 N. Road (Co. Hwy. 8)**

* All crossings are located in Livingston County



ILLINOIS
HIGH-SPEED RAIL
CHICAGO TO ST. LOUIS



www.idohtsr.org