



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

EXPERIENCE IT YOURSELF.

# *Welcome!*

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

# **Public Meeting**



Illinois Department  
of Transportation

[www.idothesr.org](http://www.idothesr.org)

# Station Improvements

EXPERIENCE IT YOURSELF.



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



[www.idothsr.org](http://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](http://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](http://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](http://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](http://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



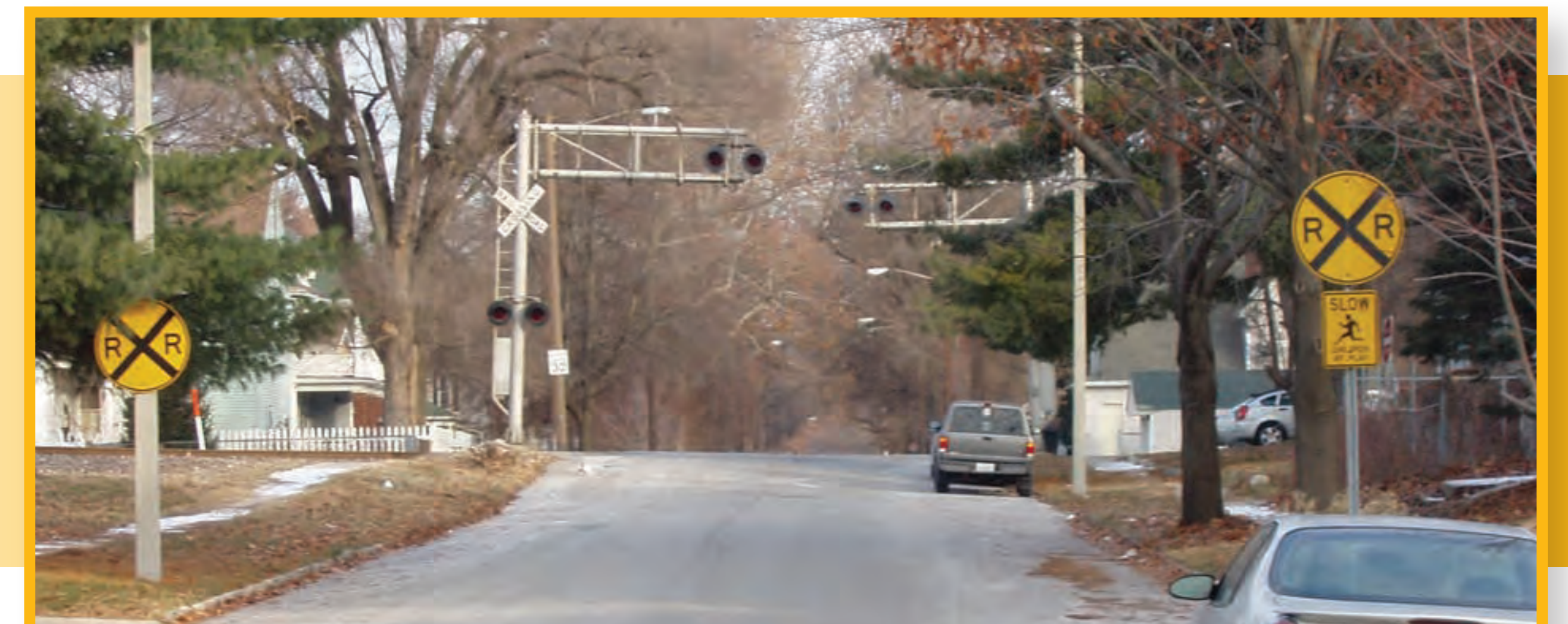
[www.idothsr.org](http://www.idothsr.org)



# Crossing Approach/Grade Crossing Signage

EXPERIENCE IT YOURSELF.

- ✓ Pavement Markings
- ✓ Advanced Warning Signage



ILLINOIS  
HIGH-SPEED RAIL  
CHICAGO TO ST. LOUIS



[www.idothsr.org](http://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

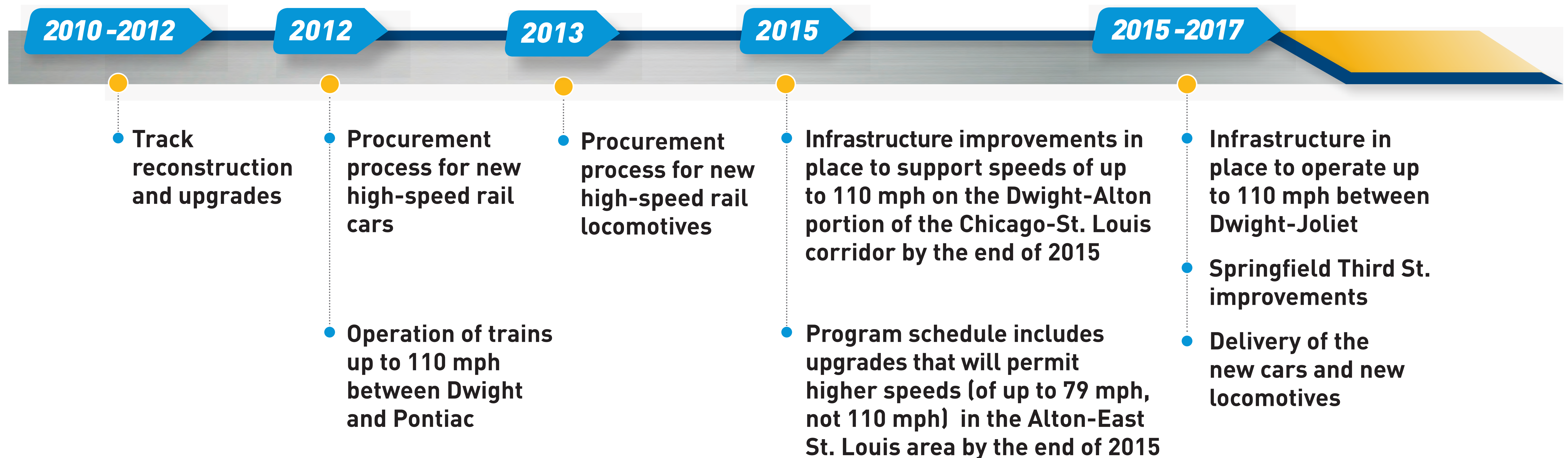


[www.idothsr.org](http://www.idothsr.org)



# Project Timeline

EXPERIENCE IT YOURSELF.



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

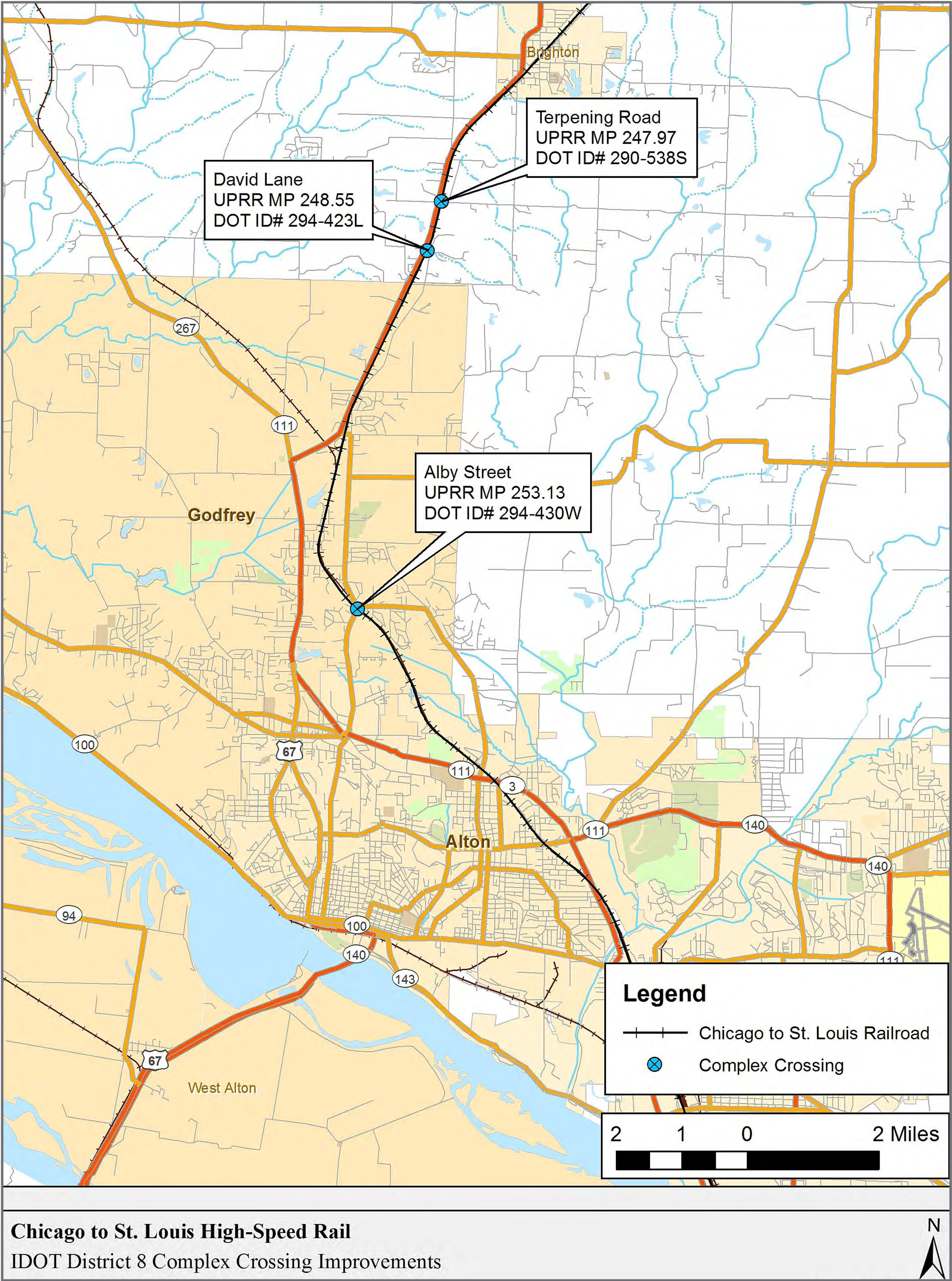


[www.idothsr.org](http://www.idothsr.org)



# Project Location Map

EXPERIENCE IT YOURSELF.



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



[www.idothsr.org](http://www.idothsr.org)



# Fencing

EXPERIENCE IT YOURSELF.

***Fencing will be installed along the railroad corridor at **Terpening Road, David Lane, and Alby Street.*****



- ✓ **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](http://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](http://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](http://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.idohtsr.org](http://www.idohtsr.org)



# ***Environmental Documentation***

EXPERIENCE IT YOURSELF.

***Crossings evaluated as part of the environmental documentation estimated completion in December 2015 include the following:***

- > Terpening Road — Piasa Township**
- > David Lane — Piasa Township**
- > Alby Street — Village of Godfrey**



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



[www.idothsr.org](http://www.idothsr.org)