Village Board Study Session

Traffic and Operational Analysis of Harlem Ave & Austin Blvd Interchanges with I-290



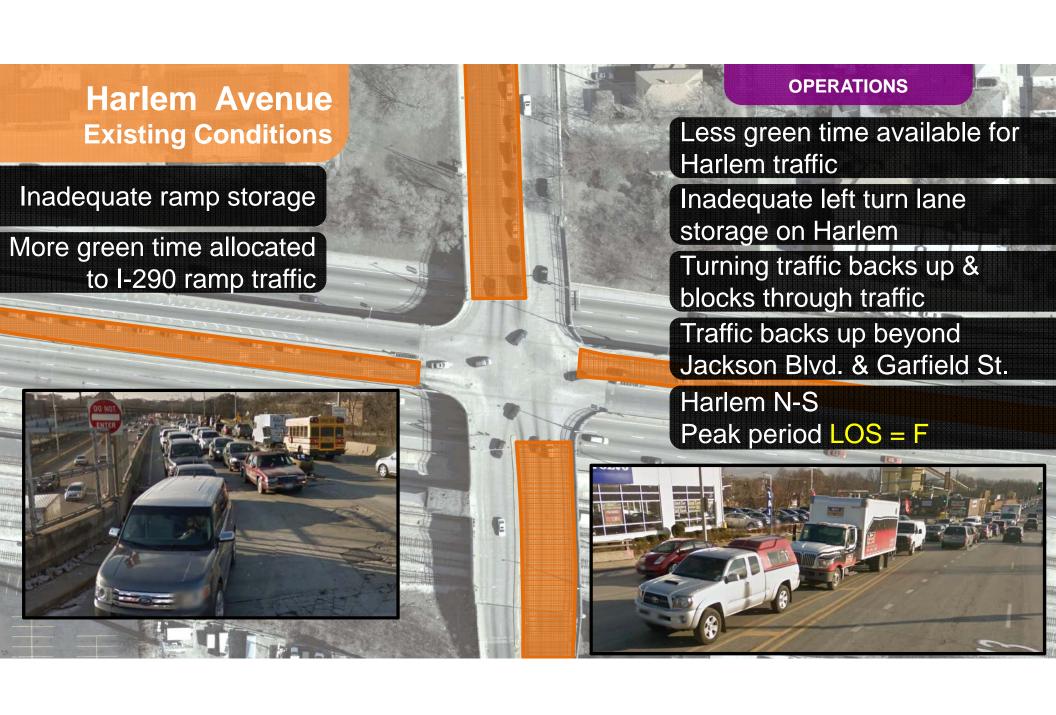
Traffic & Operations at Interchanges

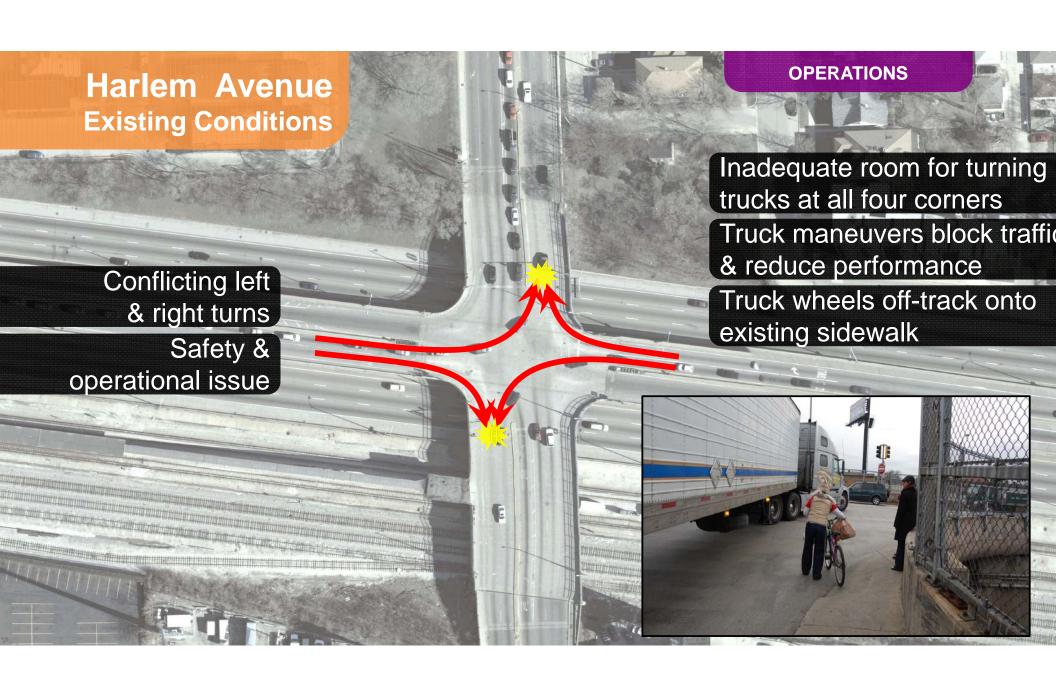
- Harlem Ave & I-290 Interchange
 - Existing & Proposed Operations of Interchange
 - Traffic Analysis
- Austin Blvd & I-290 Interchange
 - Existing & Proposed Operations of Interchange
 - Traffic Analysis
- Introduction of future topics



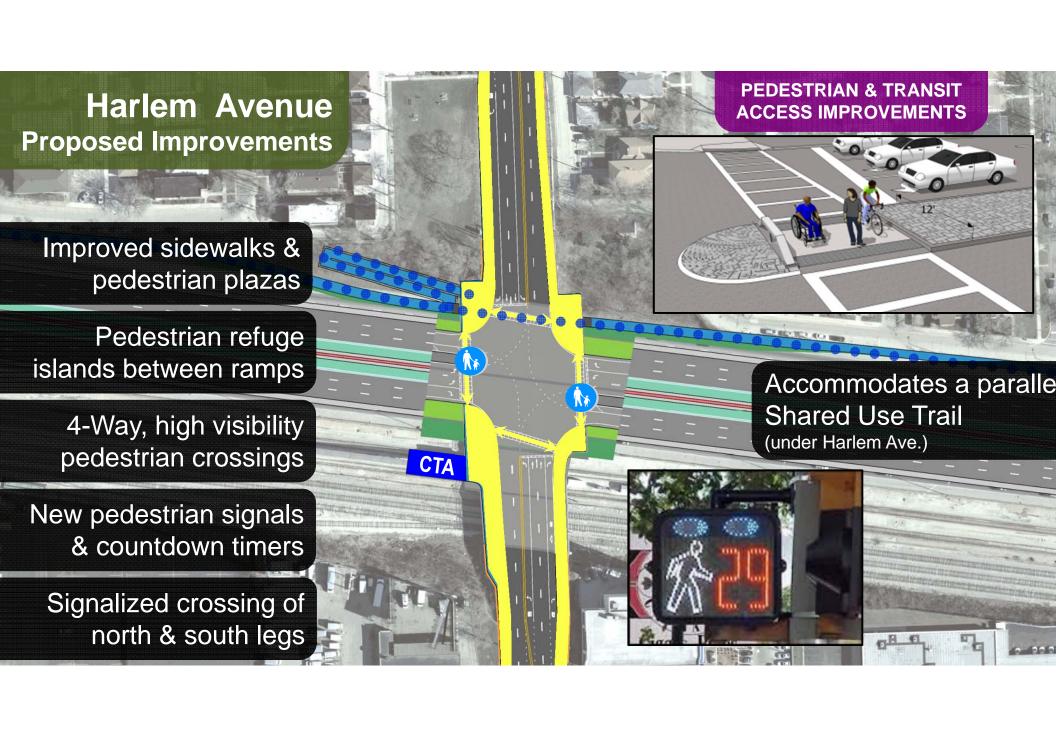


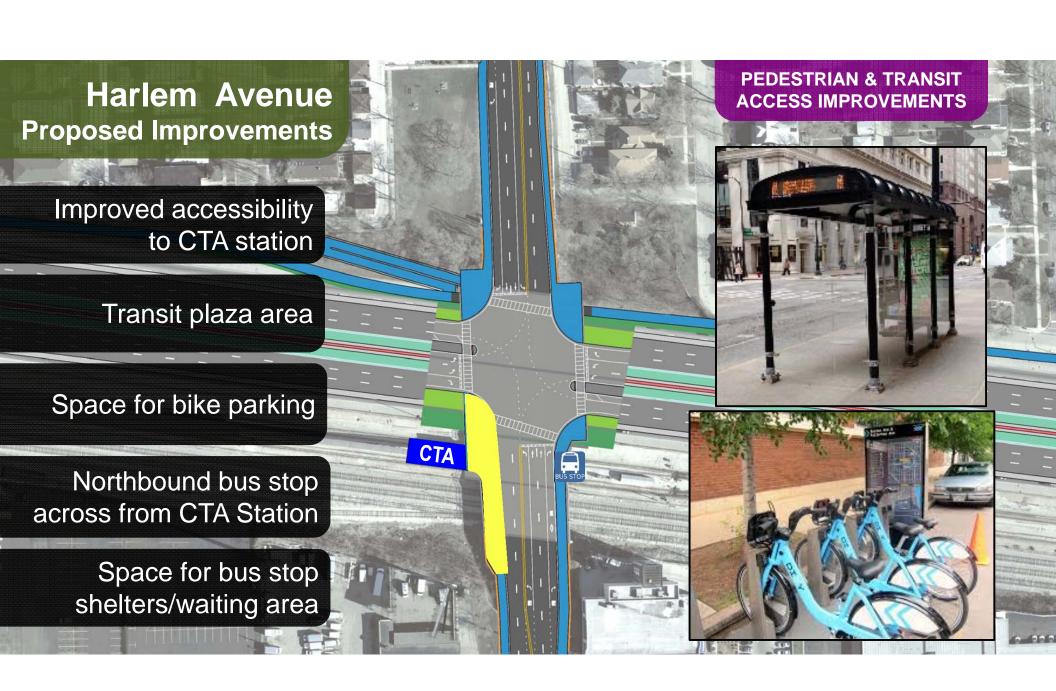


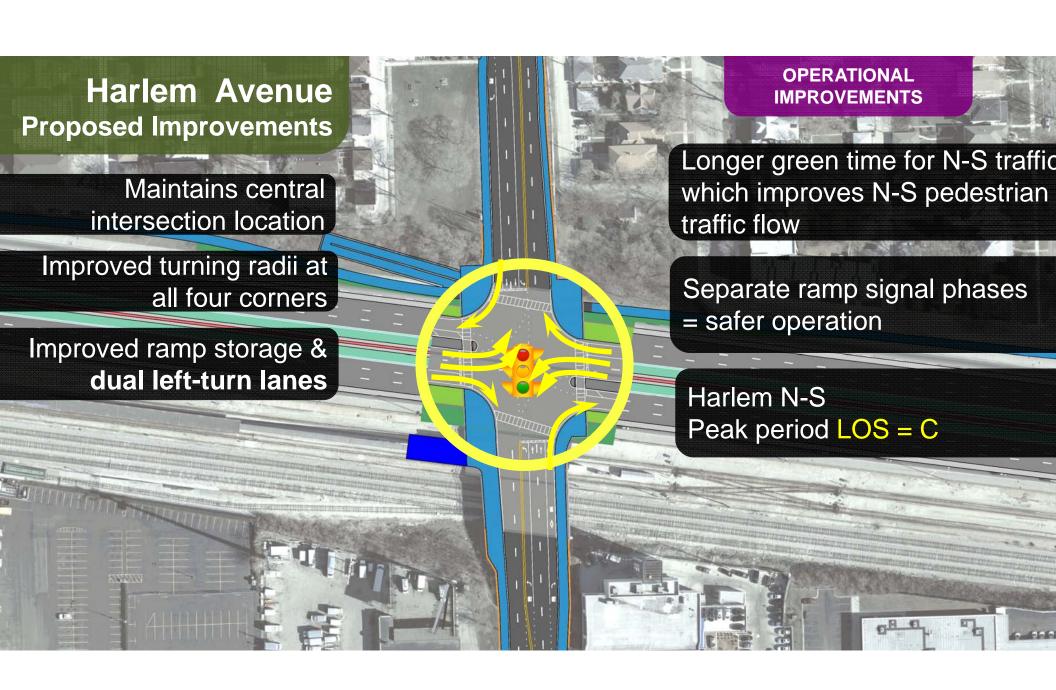












Before & After Traffic Simulation

Harlem Avenue Proposed Improvements

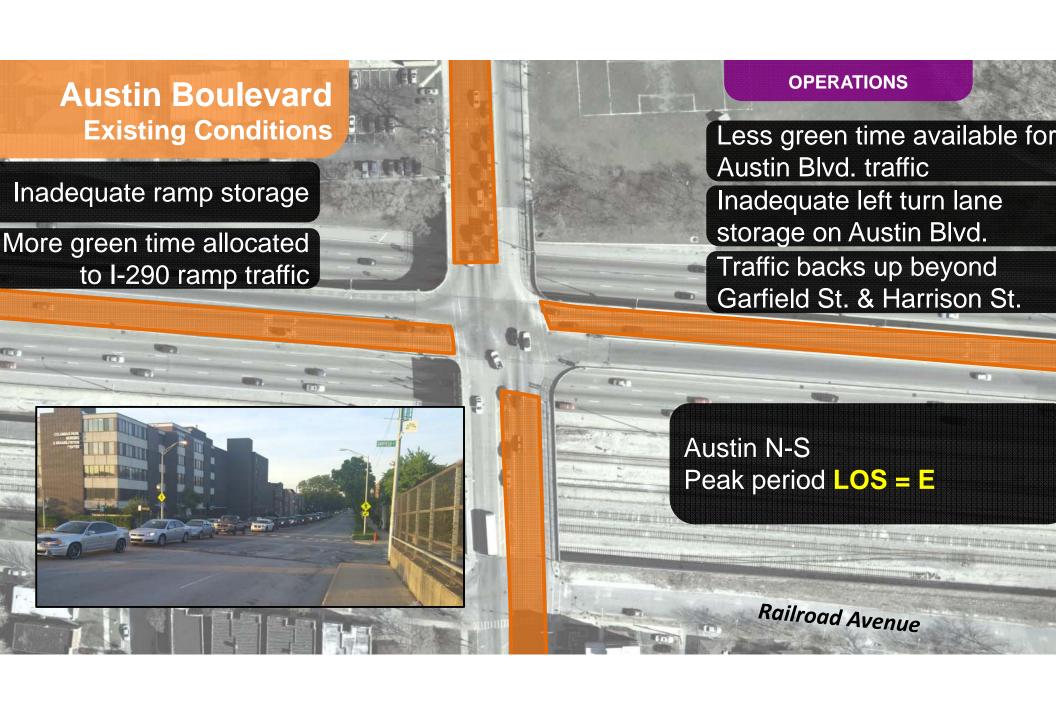


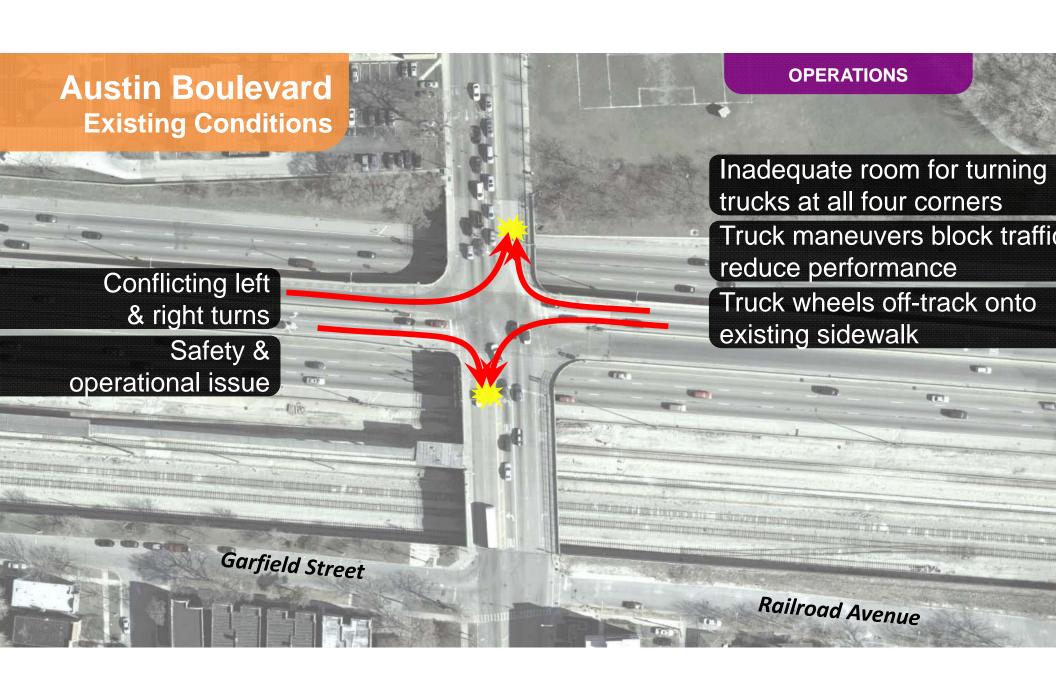
Before & After Traffic Simulation

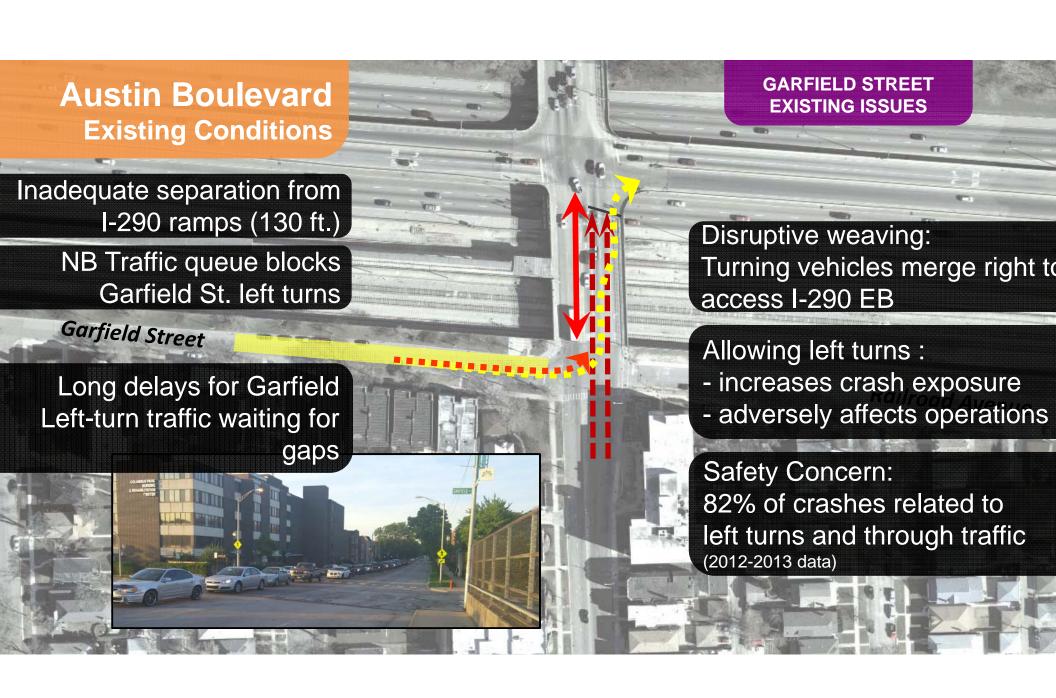
Harlem Avenue Proposed Improvements

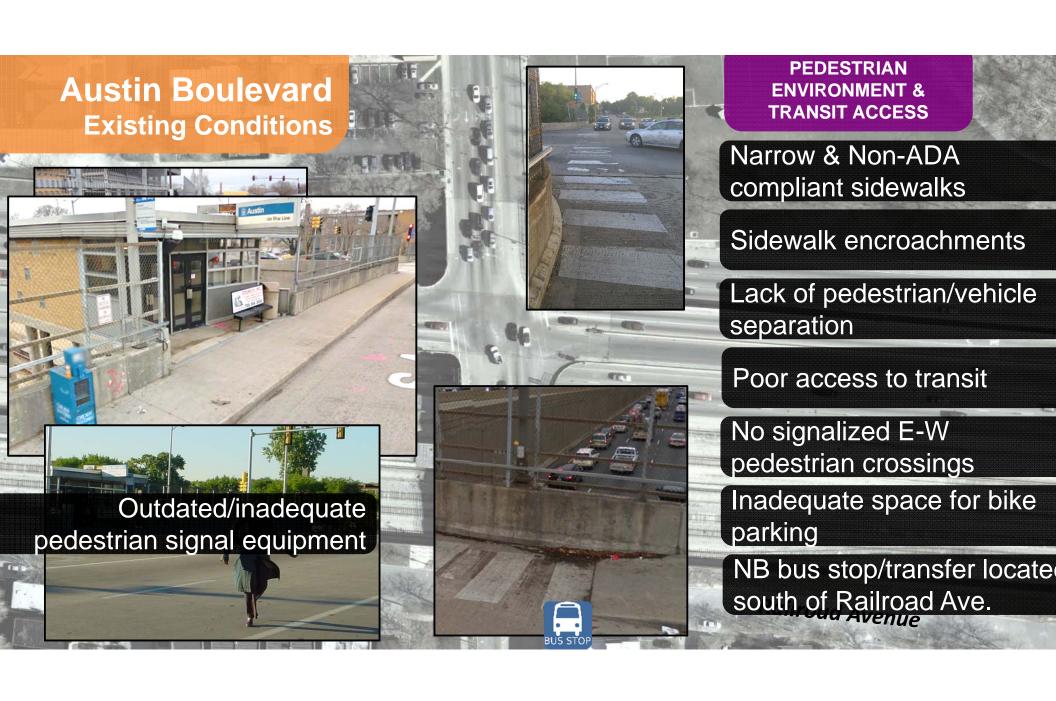


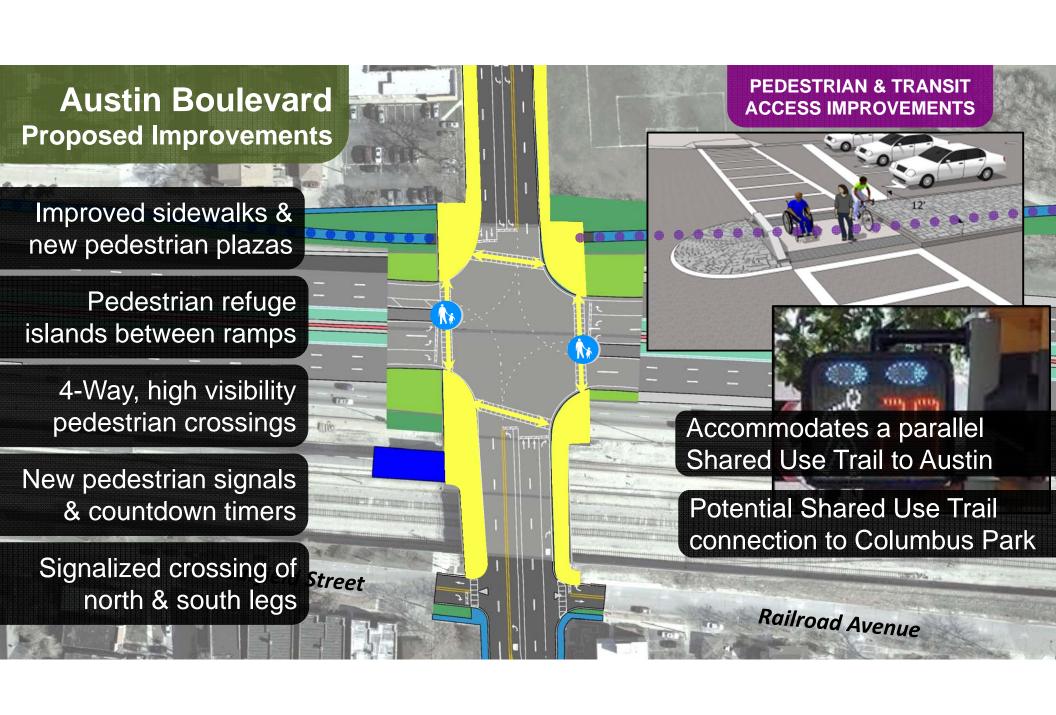


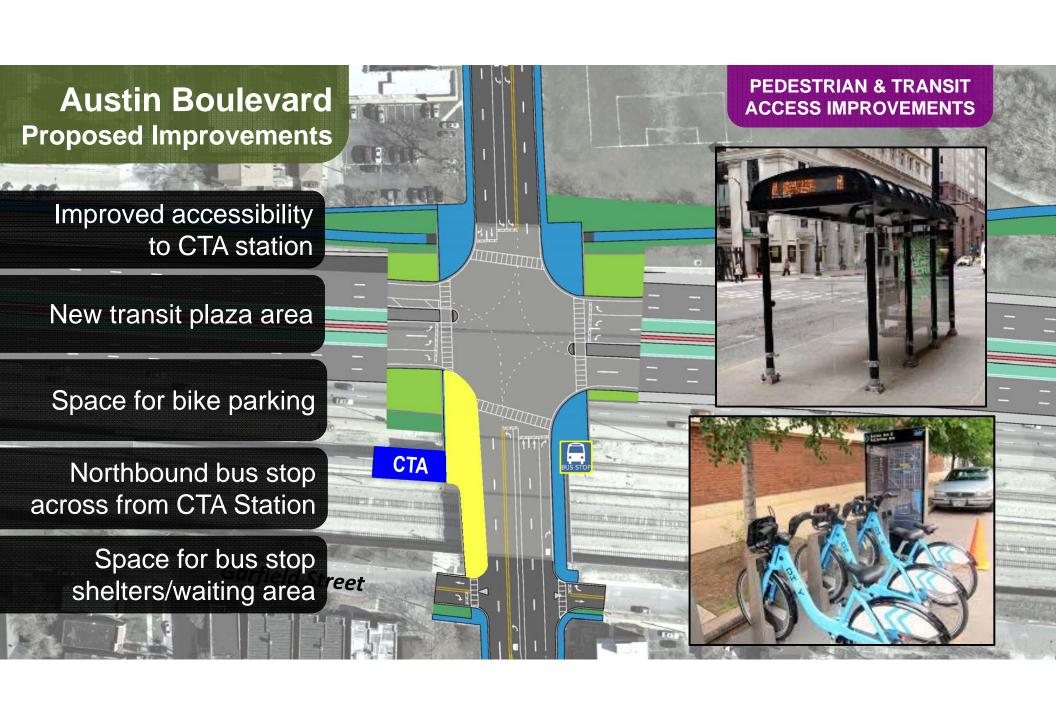


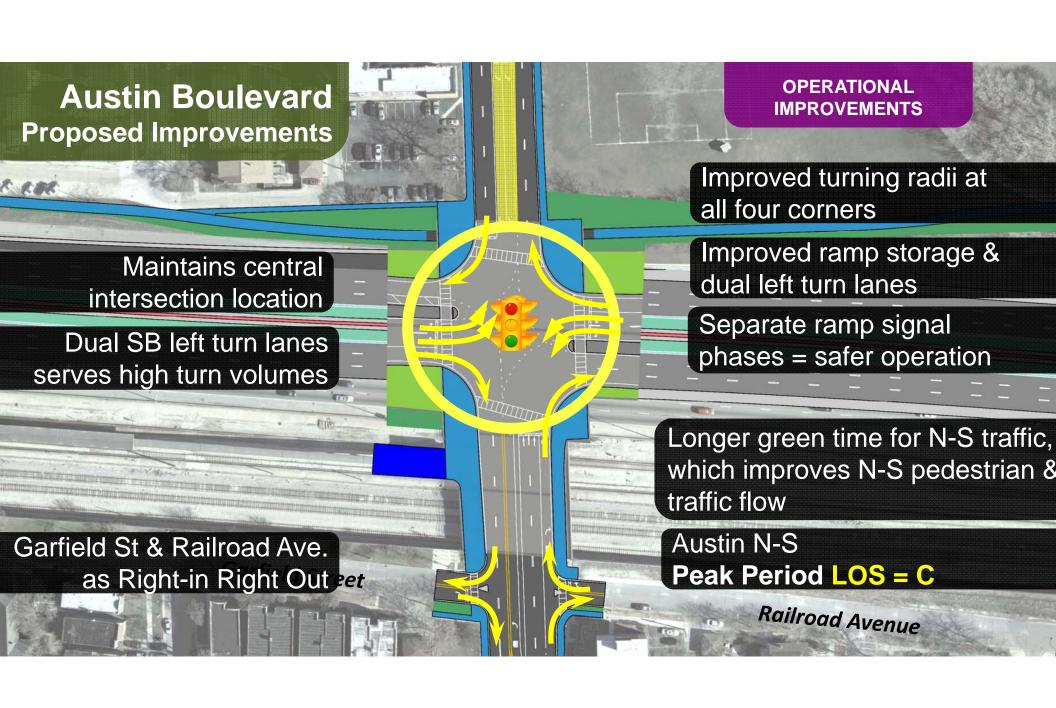


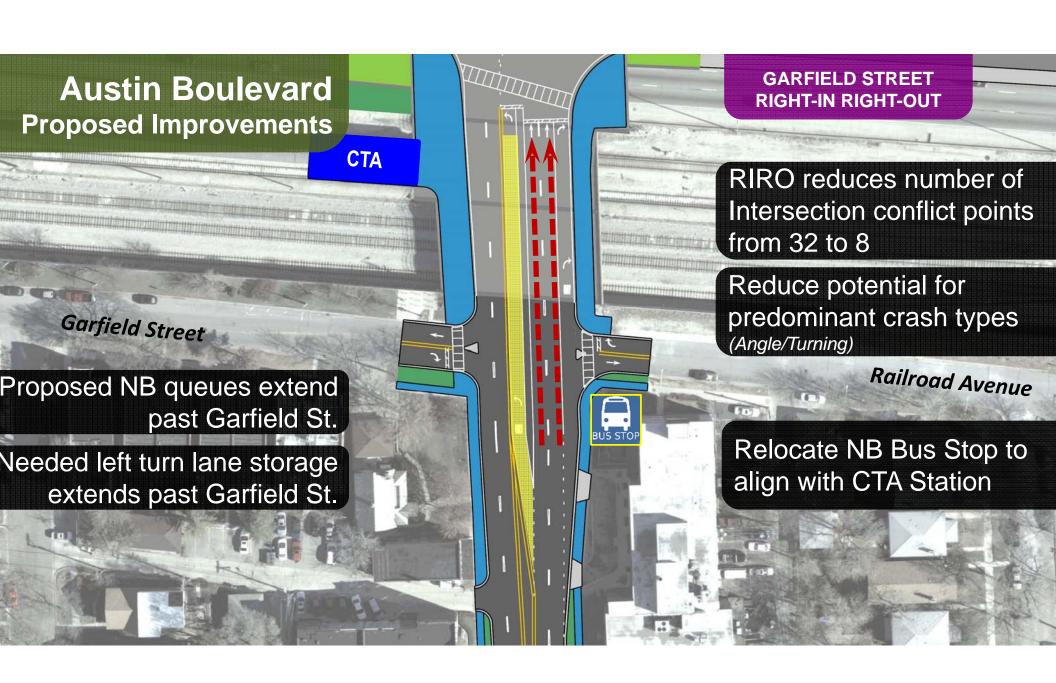


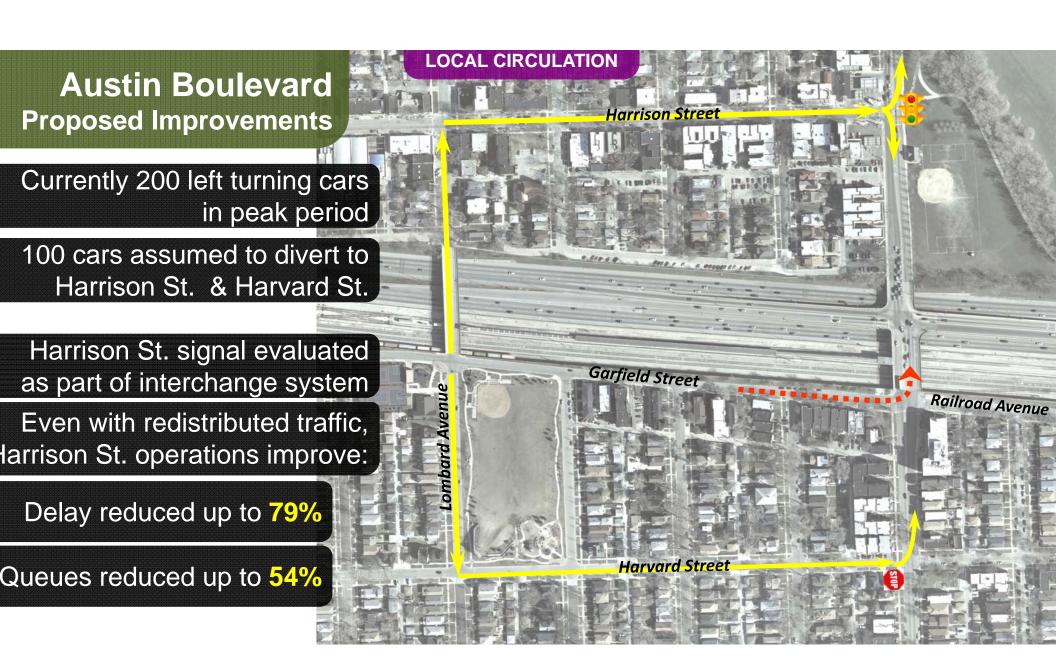












Austin Boulevard Proposed Improvements

Before & After Traffic Simulation



Before & After Traffic Simulation

Austin Boulevard Proposed Improvements



Summary of Interchange Improvements

Harlem Avenue & Austin Boulevard

- Improved access to transit and transfers
- Wider sidewalks
- ADA Accessibility throughout
- Improved and safer ramp pedestrian crossings
- Improved signals and pedestrian countdown timers
- Bike accommodations at transit stations
- East-west shared use path connections
- Improved truck turn accommodations





Harlem Ave Traffic Operations

Harlem Avenue Operations

- Overall LOS from F to D
- N-S Queue at Harlem/Garfield reduced up to 61%
- E-W Queue at Harlem/Garfield reduced up to 59%
- E-W Queue at Harlem/Jackson reduced up to 35%
- N-S Delay reduced up to 86%





Austin Blvd Traffic Operations

Austin Boulevard Operations

- Overall LOS from E to C
- EB Queue at Austin/Harrison reduced up to 70%
- E-W Queue at Austin/I-290 ramps reduced up to 70%
- E-W Queue at Austin/Garfield reduced up to 92%
- N-S Queue at Austin/Garfield reduced up to 73%
- N-S Delay reductions up to 76%





Future Study Session Topics

- Harlem Ave Interchange Design Discussion
- Traffic Noise Analysis
- Public Presentation of 3D Model

