Using Data to Move from Reactive to Proactive about Pedestrian Safety

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context



we know the indicators...





Lighting

Built Environment



Demographic







Signals

Bike Volume Data



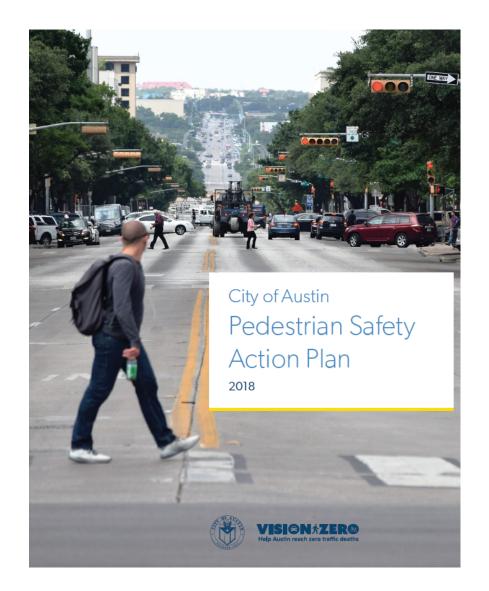


Bike Facility

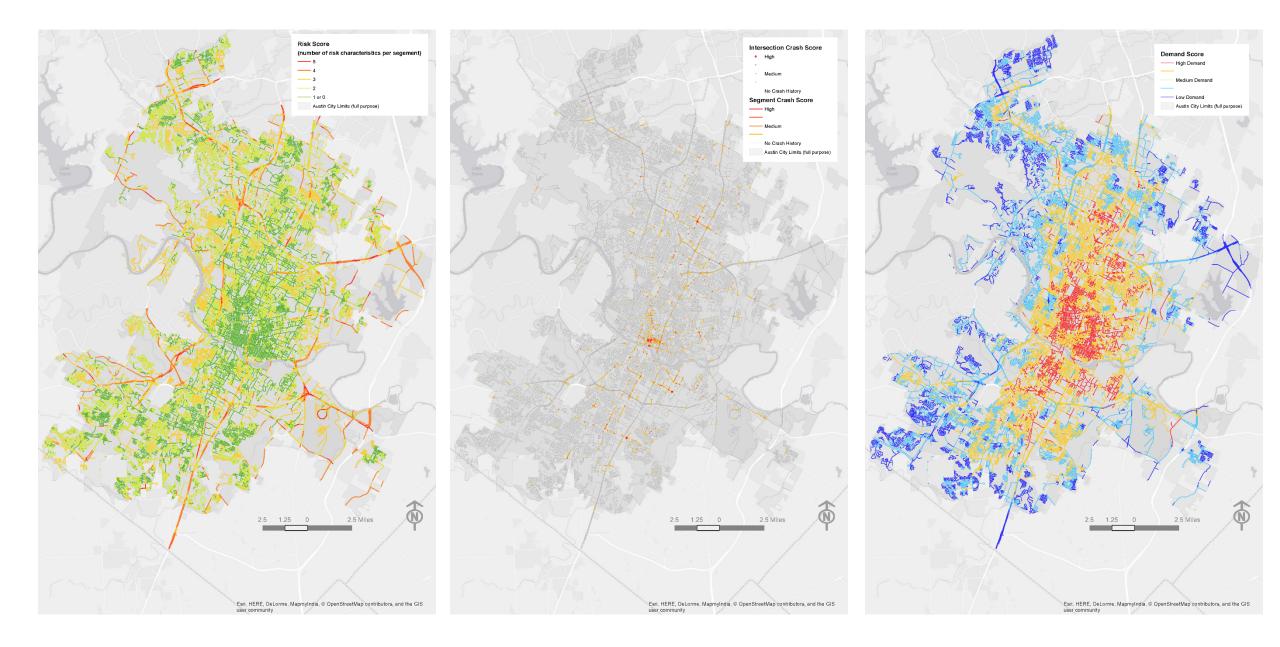


Ped Volume Data

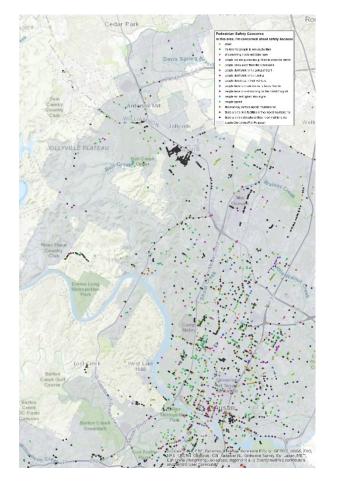




Crash Analysis **Community Priorities Pedestrian Safety Priority Network Action Plan** Engineering Education Enforcement Policy + Land Use **Evaluation** Partners and Funding



other sources and inputs





"Hidden" data points

- Where do people walk
- Where do people want to walk
- How are short trips being made
- Before and after metrics on countermeasures

Reactive to Proactive, thinking in context





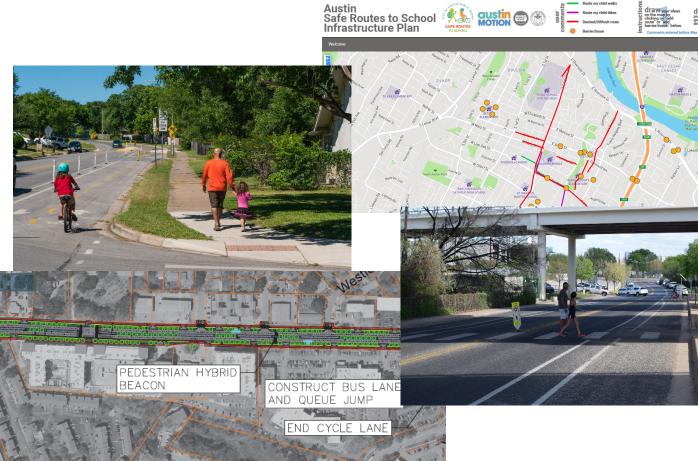
CTR Yielding Study

- Testing yield compliance of drivers
- > 25 crossings at each location
- Time, date, yielding vehicles, weather, observed speed, posted speed, traffic volume, pedestrian volume, visibility



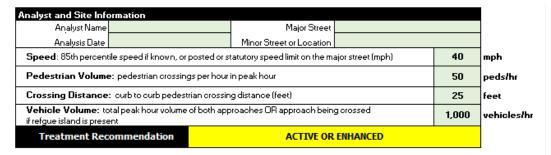
Coordination

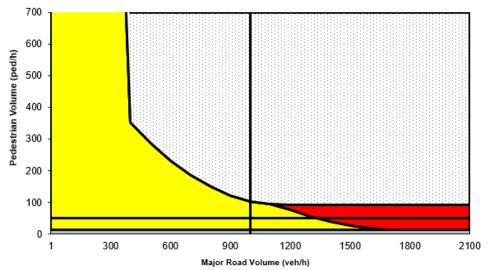
- Cap Metro
- Sidewalks and Special Projects
- Urban Trails
- Safe Routes to School
- Street and Bridge
- 2016 Mobility Bond

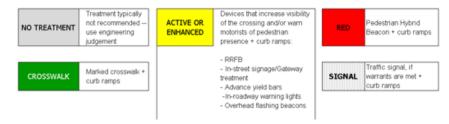


Crossing Guidelines Development

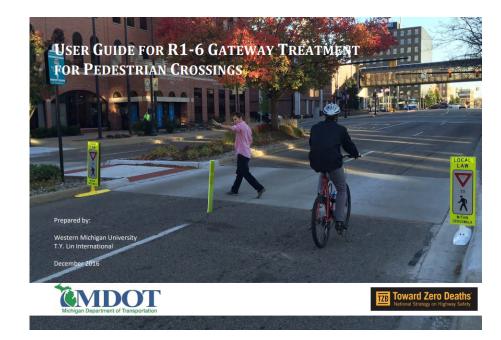








Quick Build Treatments



Rectangular Rapid Flashing Beacons New Interim Approval, covers all of Texas 10 installations to evaluate compliance

R1-6 Gateway Treatment

In-street signage

Complements existing infrastructure



Research with Toole Design Group

High Injury Network

HIN and GIS script/tool

Systemic Safety Analysis

- pedestrian and bicycle exposure where known
- estimate volumes for the entire network
- risk factors associated with known safety issues
- locations that have a greater likelihood of a crash, regardless of whether crashes have been reported there in the past

Pedestrian Signal Guidelines

- Timing
- Locations
- Prioritization
- Phasing
- Signal actuation

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