

High Congestion Intersections

Based on Model

- · Plymouth Rd at Barton Dr • M-14 at Barton Dr Interchange
- Dhu Varren Rd at Pontiac Trail
- Division St at Catherine St

Based on Observation

- Barton Dr at Pontiac Trail
- Maiden Ln/Broadway St/Moore St Maiden Ln at Fuller Rd



Barton at Pontiac Alternatives

- Operational Deficiencies
 - > On-street parking at intersection > EB approach in AM peak (35 seconds of delay)

Improvement Alternatives

- > Add dedicated EB right-turn lane (cut delays in half)
- Modern Roundabout (cut delays by more than 50%)

City of Ann Arbor – Lower Town Area Mobility Study

Barton at Pontiac Alternatives Improvement Alternatives Restrict on-street parking on EB approach > Temporary bump-out with option to make permanent

Barton at Pontiac Recommendations

- · Remains signalized
- · Restrict on-street parking on EB approach Add on-street bike lanes for EB and WB on Barton west leg
- Existing AM LOS C / 2040 LOS F
- Existing PM LOS C / 2040 LOS D
- Ex vs. 2040 AM SB volume = 628 v 996
- V/C ratio = 1.34 for 2040 SB thru lane

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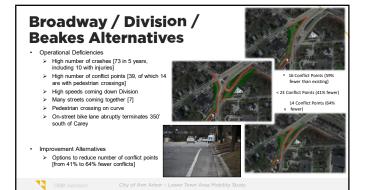
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- Mini Roundabout
- · Bikes can leave roadway onto path or circulate in roundabout
- · Pedestrians cross one lane at a time
- Ex overall LOS B for AM/PM
- · 2040 LOS D for AM/PM (with SB F in AM and WB F in PM)

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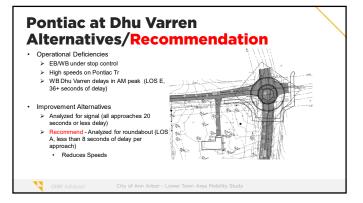


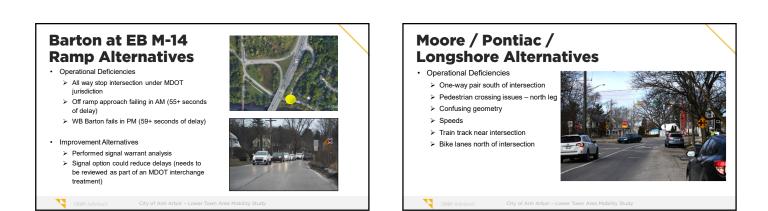
Broadway / Division / Beakes Recommendation

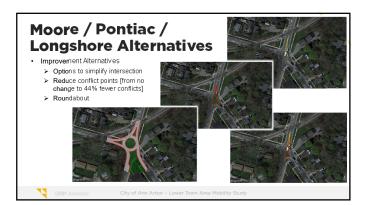
- Continue x-section of Division up to Detroit, allows for 2-lanes, bike lane and parking
 Continue NB bike lane up to bridge, providing
- ramp onto bridge (bridge rail mod needed)
 Eliminate left turn lane onto Detroit, provide taper
- Incorporated alternative that provided least conflict points (other options can work too)
- Add pedestrian crossing in more visible location
 WB off Broadway Bridge, continue wide path for bikes and provide ramp into bike lane



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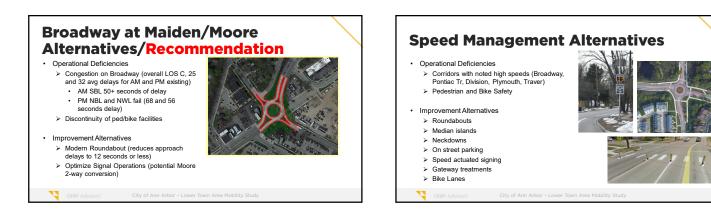












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Speed Management Recommendations

- Pontiac Trail
 - > Roundabouts at Dhu Varren, Barton and Longshore, possible location between Barton and Dhu Varren at new developments
 - Additional radar speed signs
 - > Marked pedestrian crossings
 - > Gateway treatments
 - > Lane reduction from 2 to 1 from Longshore to Swift with added bike lanes

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Speed Management Recommendations

Plymouth

- Incorporate median island as much as possible
- > Additional bus stop on north side, provide median refuge island
- > New plans provide reduced lane widths and north side bike lane (WB) > EB bikes can follow pathway on south side
- Radar speed signs





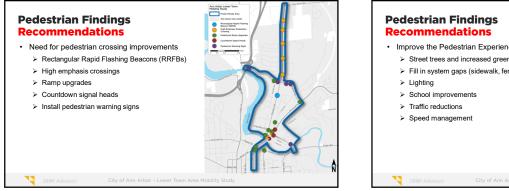
Speed Management Recommendations

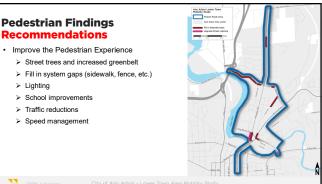
Division to Broadway

OHM Advisors

- > Bump-outs







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Transit Findings MV Findings Recommendations Rider Amenities · Infrastructure Improvements > Increase frequency and reliability Pavement Markings > Upgrade bus stops for ADA compliance Sign Upgrades > Additional park and ride opportunities Pavement Condition > Eliminate bus stop conflicts Guardrail > Transit Signal Priority Signal Modernization ➢ Fixed bus route Barton to Main via M-14 > EV Charging Stations > Intersection Specific City of Ann Arbor - Lower Town Area City of Ann Arbor – Lower Town Area Mobili

