BROADWAY ROAD IMPROVEMENTS:
RURAL ROAD TO MILL AVENUE

PUBLIC MEETING
February 25th, 2013
Broadway Road Improvements

- Introductions & Welcome
- Purpose of Meeting: share new concepts for roadway design
- City Staff Eric Iwersen – Community Development
  - Julian Dresang – Traffic Engineering
  - Shelly Seyler – Traffic Engineering
  - Sue Taaffe – Community Relations
  - Shauna Warner – Neighborhoods
- Parsons Brinckerhoff
  - Tom O’Reilly
  - Tom Hester
  - Isabel Quintero
  - Scott Andreasen
Broadway Road Improvements History

- Tempe General Plan and Transportation Plan
  - Provide multi-modal access city wide for all users including bicyclists, pedestrians and transit users
  - Support complete streets for Tempe
- 2000 Broadway Road Design Concepts
- 2003 – 2005 Grant Applications (5 year cycle)
- $2.5 Million Received for Project – only for street, transit, bike, ped enhancements
Project Schedule & History

• Public Process began 2008 (including: Broadway Road Action Team, Public Meetings, Boards & Commissions
• Last Public Meeting - Fall 2010
• Preferred Concept Process Challenges & Project Delay
  • ROW purchase issues, balance of treatments both sides of road
• Project Team Reconfigured/Re-started Fall 2012
• Must Complete Construction Docs by Spring 2014
Project Direction

- **Today:** Present 2 possible directions, 5 total options
  - 1 lane removal EB, or maintain all current lanes

- All concepts have baseline treatment of:
  - Street trees on south side
  - Wider sidewalks on south side
  - Median islands with landscaping
  - Bicycle lanes on Broadway Road
  - Very little ROW will be purchased (limited to intersections, driveways)
Variations on Concepts

- Number of Lanes
- Median Treatment
- Parking/No Parking on Broadway Ln
- Shared Space on Broadway Ln Vs Traditional
- Use of Existing Right-of-Way
Design Considerations

- **Lane Removal**
  - May add congestion
  - Provides greater flexibility for street options
  - Re-characterizes street for future/matches long range plans for city
  - Greater equality/both sides of street receive enhancements

- **Maintain Lanes**
  - Limits design options
  - Keeps current vehicle capacity
## Historical Daily Traffic Volumes on Broadway Rd

<table>
<thead>
<tr>
<th>Year</th>
<th>Average Annual Daily Traffic Volumes</th>
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<tbody>
<tr>
<td>2004</td>
<td>38,594</td>
</tr>
<tr>
<td>2007</td>
<td>33,839</td>
</tr>
<tr>
<td>2009</td>
<td>29,614</td>
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<tr>
<td>2012</td>
<td>25,209</td>
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</tbody>
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**Source:** CITY OF TEMPE TRAFFIC COUNTS MAP, OCTOBER 2012 & MARCH 2008
Broadway Rd Volumes Comparison with other Arterials

- Broadway Rd - Mill Ave to Rural Rd
- PROJECTED 4-LANE VOLUME - Mill Ave to Rural Rd
- Mill Ave - Southern Ave to Superstition (US60)
- Mill Ave - Apache Blvd to Broadway Rd
- University Dr - McClintock Dr to Price
- University Dr - Rural Rd to McClintock Dr
- University Dr - Mill Ave to Rural Rd
- University Dr - Priest to Mill Ave
- University Dr - SR143 to Priest Dr

SOURCE: CITY OF TEMPE TRAFFIC COUNTS MAP, OCTOBER 2012
Option 1A – 5 travel lanes, traditional

- 3 Lanes EB/2 Lanes WB
- 8’ Sidewalk & Trees on South Side
- No Parking on Broadway Lane/4’ Sidewalk
- Builds into City Right-of-Way
Option 1B – 5 travel lanes, shared

- 3 Lanes EB/2 Lanes WB
- 8’ Sidewalk & Trees on South Side
- No Parking or Sidewalk on Broadway Lane/Cars & Pedestrians Share Street Space
- Builds into City Right-of-Way

*Right of Way shown does not coincide with existing back of sidewalks and in most cases is several feet outside the existing sidewalk. For more information visit [http://azjedi.plowworld.net:8080/tempy/broadway/](http://azjedi.plowworld.net:8080/tempy/broadway/)*
Option 2A – 4 travel lanes, traditional

- 2 Lanes EB/2 Lanes WB
- 8’ Sidewalk & Trees on South Side
- Parking Allowed on Broadway Lane/4’ Sidewalk
- Builds into City Right-of-Way
Option 2B – 4 travel lanes, shared

- 2 Lanes EB/2 Lanes WB
- 8’ Sidewalk & Trees on South Side
- Parking Allowed on Broadway Lane/Cars & Pedestrians Share Street Space
- Builds into City Right-of-Way
Option 2C – 4 lanes, existing back s/w

- 2 Lanes EB/2 Lanes WB
- 8’ Sidewalk & Trees on South Side
- No Parking on Broadway Lane/5’ Sidewalk
- Does Not Require Building into City Right-of-Way
Broadway Lane Alternative Treatment

Shared Space (Ped/Bike/Vehicle)
Plan View of Shared Space (2B)

- No obstructions in-line with driveways.
- Clear view beside driveways (minimum 10’ setback)
- 2 Widths for in-road facilities: 8’ (parking and trees) and 3.5’ (planting only)
- Minimum spacing between in-lane amenities is 20’
- Minimum clear travel-way is 10’
Broadway Lane Median Alternatives

- Semi-screened treatment (Combination of wall and Vegetation)
- Wall (Different Materials/Design)
- Different Vegetation in the median
Broadway Lane Median Alternatives
(Various Trees)
Broadway Lane Median Alternatives
(Desert Vegetation)
What’s next

- Next Steps —
  - Next Public Meeting Late Spring/Early Summer — Refined Concepts
  - Possible Test of Lane Removal
  - Public Outreach — Council, Boards & Commissions
  - Review ROW/Parcel Impacts on website
    http://atgweb.pbworld.net:8080/tempe/broadway/

- How you can voice your opinion:
  - Comment Cards
  - www.tempe.gov/broadwayroad
  - Email, phone staff
Thank you for coming!

If you have any questions see anybody with a name tag around the room.
Peak Hour Traffic Operations

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MILL AVE @ BROADWAY RD</td>
<td>TRAFFIC OPERATIONS REMAIN AT EXISTING LEVELS</td>
</tr>
<tr>
<td>RURAL AVE @ BROADWAY RD</td>
<td>IMPROVED OPERATIONS</td>
</tr>
<tr>
<td>EASTBOUND BROADWAY RD QUEUES</td>
<td>INCREASE IN QUEUES AT MILL AVE</td>
</tr>
<tr>
<td></td>
<td>REDUCED QUEUES AT RURAL RD</td>
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<tr>
<td>TRAVEL TIMES</td>
<td>MAINTAIN EXISTING TRAVEL TIMES</td>
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