5. Discussion/Endorsement of Materials (Drawings/Information) to be Presented at Public Meeting #4 and Possible Meeting Approach

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Phil Erickson
Community Design + Architecture
Item 5. Agenda

- Date: *Thursday, June 5 or 12, 2014, 6-8pm, Shriners Hall*
- Proposed Goals
- Proposed Format
- Proposed Open House Station Materials *(Including CTF group activity to review some draft boards)*
- Comment Card Topics
- Presentations

- Discussion & Decision/Endorsement
Goals for Public Meeting Format and Results

• Inform public about work since last workshop
  – Be concise — avoid “information overload”
  – Use boards to tell story of the 22-month process
  – Provide summary of key work to date, so stakeholders who are new to the process can ground themselves in work and decisions to date
  – Focus on the last stations about where we are now in the process

• Get stakeholder input that can help guide the CTF’s work in selecting and refining a recommended project design and alignment
Public Meeting Format

• 5:10  Welcome *(Jenn Toothaker Burdick)*
• 5:20  CTF Introductions & Presentations
• 5:50  Open House – 6 stations
• 7:40  CTF “Takeaways”
• 8:00  Close Open House
Open House Stations

• “Background” Stations

1. **Project Initiation:** Basic facts about the project

2. **Vision and Goals:** range of stakeholder emphasis and how to measure performance

3. **Initial Design Concepts:** street design and performance assessment for functionality (4, 4+2T, 6, and 6+2T)

4. **Street Design Alternatives:** alignment options and performance assessment for functionality (materials and results from CTF Charrette)
5. **Refined Street Design Alternatives:** we need your feedback to help the CTF develop their recommended design

   - **Station Goal:** This station is the main focus of the Community Event – develop understanding of the 4, 4+2T, and 6 lane concepts, assessments, trade-offs, and key decision points. Likely that many who have been to previous events will “jump” to this station and spend most time here. Majority of questions on comment sheets will relate to this station.
Open House Stations

5. **Revised Street Design Alternatives:** we need your feedback to help the CTF develop their recommended design

- Alignment Drawings: 4-Lane and 4+2T/6-Lane
- Performance Assessments on Key Considerations
  - Community Character and Economic Performance
  - Transportation Performance
  - Funding Viability and Project Functionality
  - Sustainability Performance
<table>
<thead>
<tr>
<th>Topic</th>
<th>Factors</th>
<th>Revised Street Design Alternatives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Community Character and Economic Performance</strong></td>
<td></td>
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<tr>
<td>Historic/Significant Building Impacts</td>
<td>Width of right of way (minimizing can negatively or positively affect other performance measures)</td>
<td>Refined 4-Lane: 14 buildings 22 buildings 14 buildings 20 buildings</td>
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<tr>
<td>Potential for Acquisition</td>
<td>Alignment of street: Choice/balancing of potential impacts to different sides of the street</td>
<td>Refined 4+21/6-Lane Base: 43 parcels 50 parcels 43 parcels 46 parcels</td>
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<tr>
<td>Business Impacts</td>
<td>Design of parking impact avoidance or replacement</td>
<td>Refined 4-Lane: 22 bldgs. 73 properties 36 bldgs. 81 properties</td>
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<td>Walkability</td>
<td>Width of sidewalk</td>
<td>Refined 4+21/6-Lane Base: 26 bldgs. 35 bldgs.</td>
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<td>Separation from moving traffic</td>
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<td></td>
<td>Places to walk to</td>
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<td></td>
<td>Shade</td>
<td>Refined 4+21/6-Lane Base: ++ ++ ++ ++</td>
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<td>Width and design of street crossings</td>
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<td>Universal Design and ADA</td>
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<td><strong>Transportation Performance</strong></td>
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<td>Transit</td>
<td>Travel time (existing: 13.9 min. @ 8.9 mph during peak hour)</td>
<td>Refined 4+21/6-Lane Base: 18.8 min. @ 6.6 mph HCT: ++</td>
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<td>Potential for high capacity transit (i.e.; light rail, street car, or bus rapid transit) – space</td>
<td>Refined 4+21/6-Lane Base: 4+2T: 13.7 min. @ 9.0 mph HCT: ++</td>
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<td>within right of way (i.e.; lanes can be converted to transit only or right of way width available</td>
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<td>for future transit lanes)</td>
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<td>Vehicular</td>
<td>Travel time (existing condition: 7.1 min. @ avg. 17.4 mph during peak hour)</td>
<td>Refined 4+21/6-Lane Base: 10.4 min. @ 11.9 mph</td>
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<td>Refined 4+21/6-Lane Base: 6-Lane: 7.0 min. @ 17.6 mph</td>
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<td>Bicycle</td>
<td>Travel time (existing and future conditions: ~13.5 minutes)</td>
<td>+1/2</td>
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<td>Consider bicycle network access</td>
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<td><strong>Funding Viability and Project Functionality</strong></td>
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<tr>
<td>Construction Cost</td>
<td>$29.3 budgeted per RTA 2005 Plan</td>
<td>$20-25m</td>
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<td>Acquisition Cost Gross and (net after</td>
<td>$44.0 budgeted per RTA 2005 Plan</td>
<td>$40-55m ($20-35m)</td>
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<td>remnant parcel sales)</td>
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<td>$45-65 ($25-45m)</td>
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<td>County Funding</td>
<td>Bond ordinance is for a 6- or 8-lane project; nothing less</td>
<td>4+2T: unknown</td>
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<td>6-Lane: Yes</td>
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<td>RTA Funding</td>
<td>Achieve desired level of transportation functionality (no reduction of functionality for any mode)</td>
<td>No</td>
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<td>Must compare favorably to/better than original project scope (6+2T)</td>
<td>4+2T: No</td>
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<td>6-Lane: Likely</td>
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<td>Tucson Mayor &amp; Council</td>
<td>Maintain county and RTA funding</td>
<td>Likely No</td>
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<td>Achieve balanced range of functionality (transportation + other)</td>
<td>4+2T: Possibly</td>
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<td>6-Lane: Likely</td>
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<td><strong>Sustainability Performance</strong></td>
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<td>Relationship to Transportation</td>
<td>Provide high-quality options to reduce solo vehicle driving</td>
<td>4+2T: +</td>
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<td>Air quality impacts</td>
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<td>Water Harvesting and Green Streets</td>
<td>Meet or exceed City’s Green Streets Active Practice Guidelines</td>
<td>+</td>
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<td>Reduce Heat Island</td>
<td>Use of shade and other improvements to reduce the heat created by the sun shining on Broadways</td>
<td>+</td>
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<td>road pavement and sidewalks.</td>
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<td>Manageable Operations and Maintenance Costs</td>
<td>The operations and maintenance costs for pavement, signals, transit, and landscape are yet to be</td>
<td>The ability of the city and SunTran to maintain and operate improvements will be considered in the</td>
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<td>determined</td>
<td>design and construction of any alternative.</td>
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Performance Assessments on Key Considerations

Direct Building Impacts

4/30 CTF Meeting Alternatives & Comparisons to Initial Screening Results

CTF Charrette #3 Alternatives

Alternatives responding to comments from Charrette #3
5. **Revised Street Design Alternatives**: we need your feedback to help the CTF develop their recommended design

- **Alignment Drawings**:
  - 4-Lane and 4+2T/6-Lane Variations
    - Base and variations from 4/30 CTF Meeting
    - Variations in response to comments at 4/30 meeting
  - Cross sections to illustrate variation in street width

- **Incremental Transit Improvement Board**
Incremental Transit Improvements

• Options for bus platforms/stations at major intersections
  – Can be paired with signal improvements get buses through intersections faster
  – Can work for local and limited stop buses in near-term, but as transit ridership increases local service likely moves to separate stops
  – A range of options are potentially viable along the side or within the median of Broadway

Bus Island in Median
Market Street, San Francisco, CA

Source: CD+A

Cycle Track Behind Bus Island
Seattle, WA

Source: NACTO Urban Street Design Guide -
http://nacto.org/usdg/street-design-elements/curb-extensions/bus-bulbs/
It is possible to provide platforms for limited stop bus service at Campbell and Euclid within a 6-Lane alignment alternative.
Potential Bus Platforms at Campbell

- This concept provides median stations for buses with standard right side doors
- Pedestrian crossing distance increases by 10’

Alternative B: Median Station Configuration
130’ curb to curb pedestrian crossing
Potential Bus Platforms at Campbell

- Indirect Left Turn intersection concept with median stations for standard buses
- Pedestrian crossing distance is decreased by 16’

Alternative C: Indirect Left Turn Intersection
Median Station Configuration
104’ curb to curb pedestrian crossing
Group activity to review sample displays

6-Lane Refined Alternative Variations
Included extended Variation B west of Campbell

Alternative B: Median Station Configuration for Buses with Standard Right Side Doors

Alternative C: Median Station at Indirect Left Turn Intersection Configuration for Buses with Standard Right Side Doors
Open House Stations

5. Revised Street Design Alternatives: Funding Viability

City’s Financial Considerations Discussed at May 6, 2014 Meeting

- 4-Lane does not meet minimum criteria of RTA and County
- 4-Lane design would result in:
  - $7 M repayment to RTA & Pima Co. (City funds)
  - $23.5 M in lost funding from County Bonds
  - $35 M in lost funding from RTA sales tax
- No funds available for repaving and ADA pathways

City’s Financial Considerations Discussed at May 6, 2014 Meeting

If this project is not funded, pavement will need to be rehabilitated. This will require ADA-compliant pathways – at a significant cost to the City:
  - $3-5 M for pavement
  - $17-24 M property acquisition for ADA pathways
  - $27-32 M (all City funds)

City will be unable to make improvements to Broadway...
Open House Stations

6. Where We Go From Here

- **Station Goal:** Provide schedule to public for the remainder of the design. Garner specific public input on what to move forward with
  - Identify alternative(s) to move forwards
  - Work through tradeoffs of alignment variations on adjacent neighborhoods
  - Property and Business owner outreach
  - Detail alignment concept
  - Present for feedback at Public Meeting #5
  - Refine and make recommendation to Mayor and Council
  - Begin engineering and detail design
  - Finalize construction documents and start construction by May 2016
What Public Input will Help CTF in Next Steps?

• Comment Card Topics
  – Which design alternative delivers the desired balance of satisfying the key considerations?
    • What refinements are desired to enhance its performance?
  – Range of questions about desired investment in transit
  – Range of questions about pedestrian and bicycle facilities
  – Range of questions about sustainability
    • Landscape and Green Infrastructure
    • Air Quality
    • Urban Heat Island
    • Supporting transportation choices
  – Others topics...
Open House Format

• CTF Introductions and Overview Presentation
  – Who you are and who are stakeholders you represent
  – Presentation by CTF members
    • Our process to this point
    • Decisions we have made and those to come
    • What we would like to learn from you, our stakeholders tonight
Public Meeting Format

• **CTF Decision/Endorsement of:**

  – Public Open House
    • Date June 12th
    • Goals for open house
    • CTF introduction and overview presentation
    • Format for open house stations
    • Comment Card Topics