CENTRAL CORRIDOR ADVISORY GROUP MEETING #11 April 11, 2014 1:30 pm – 3:30 pm Austin City Hall, Council Chambers

Agenda Welcome & Introductions Public Involvement Update Evaluation of Final Alternatives

- 4) Project Timeline/FTA Process
- 5) Next Steps
- 6) Citizen Communication
- 7) Next Meeting May 2, 2014

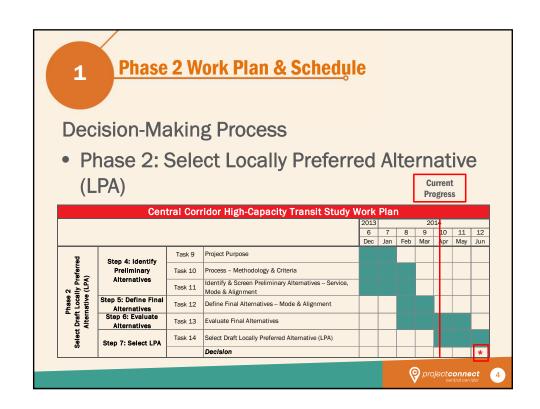


CCAG Charge

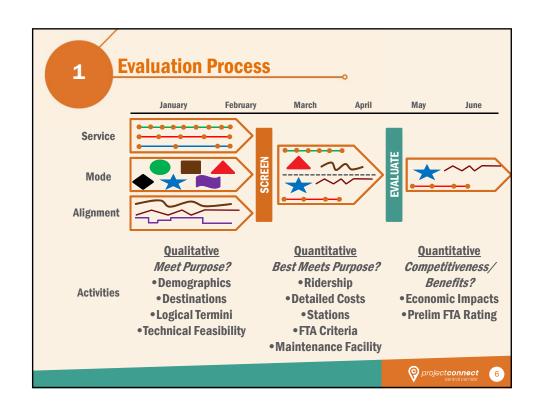
The CCAG will:

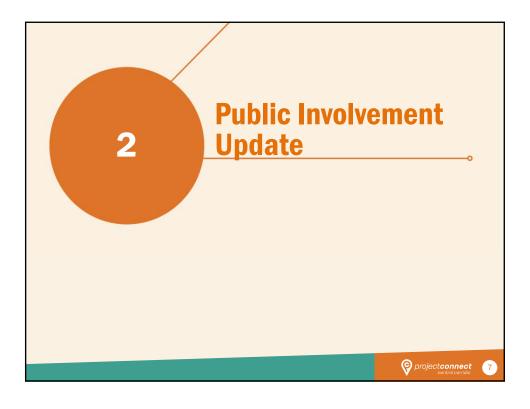
- Ensure open and transparent public process
- Advise Mayor and project team in prioritizing and defining a preferred alignment for the next high-capacity transit investment for the Central Corridor
- Assist project team in a meaningful dialogue with the community





Phase 2 Objectives Project Definition Service, mode, alignment, stops Funding Plan Capital and O&M costs, funding sources Within overall Project Connect Plan Governance Structure Programs and Policies Housing/Transit/Jobs Action Team





2 CAMPO "Kerfuffle"

- Much ado about nothing...
- CAMPO 2040 Comprehensive Project List
 - "scenario development to inform the 2040 Plan"
 - "allow a [modeling] comparison of overall system performance"
- Project Connect phasing assumptions developed 2012-13 (prior to Central Corridor Study)
 - Assumptions/guesses have to be made in order to model
- Urban Rail from 'airport to airport' already in 2035 Plan, but we're re-evaluating with Central Corridor Study





Recent Public Involvement Activities

- 3/23 Unitarian Universalist Fellowship of Austin
- 3/25 Walnut Creek Neighborhood Association
- 3/26 CTRMA Board
- 3/26 Center for Transportation Research
- 3/27 UT LAMP
- 3/28 Austin Youth Council
- 3/31 CAMPO Open House
- 4/1 Rotary Club of East Austin
- 4/2 Alliance for Public Transportation
- 4/2 State Transportation Planning Committee
- 4/2 Access Advisory Committee
- 4/3 Austin Chamber Transportation Committee
- 4/4 HousingWorks New Starts Forum & Workshop
- 4/7 West Austin Neighborhood Group
- 4/8 RECA Ideas Forum
- 4/8 Planning Commission
- 4/8 Urban Transportation Commission
- 4/9 Capital Metro Customer Satisfaction Advisory Committee





Upcoming Activities

- 4/12 Step 5 Public Workshop at Midway Fieldhouse
- 4/16 Greater Austin Contractors & Engineers Association (ACEA) Symposium
- 4/17 Urban Land Institute Austin Marketplace
- 4/19 Mueller Neighborhood Association
- 4/21 Congress for the New Urbanism Central Texas Chapter
- 4/26 Austin Earth Day Festival
- 4/29 Austin Fashion Week
- 4/29 MoPac South Open House



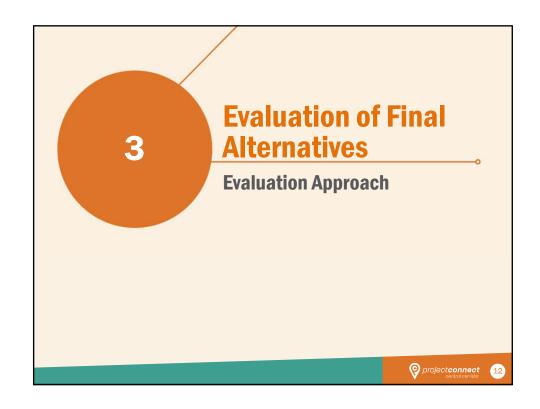


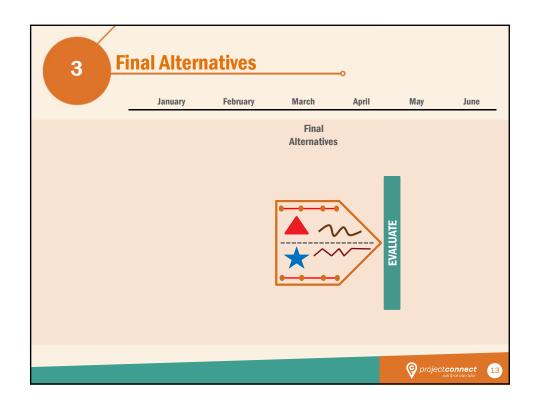


Upcoming Activities

- Multiple SpeakUpAustin discussions planned
 - Reliability and Guideway
 - Mode discussion
 - Station locations and amenities
- Webinar on Evaluation Process
- Presence at various community events and festivals







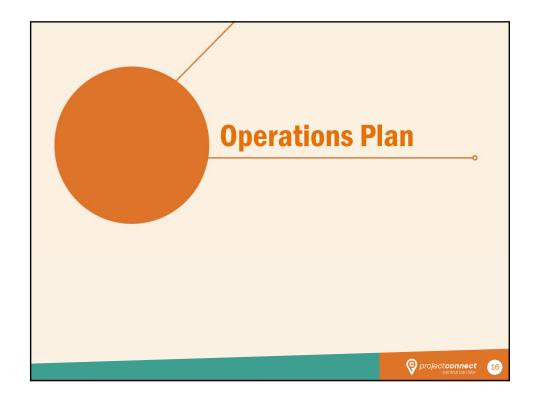


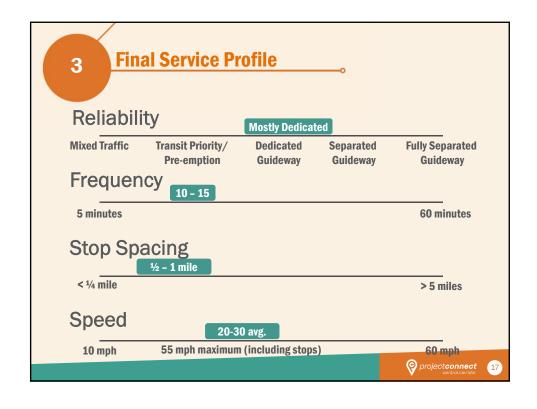


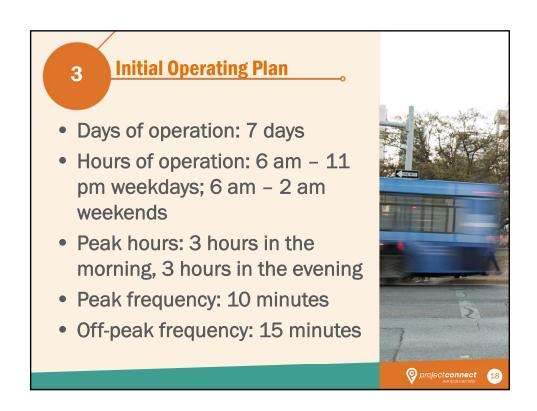
- Operations plan
- Evaluation approach
- Key project considerations

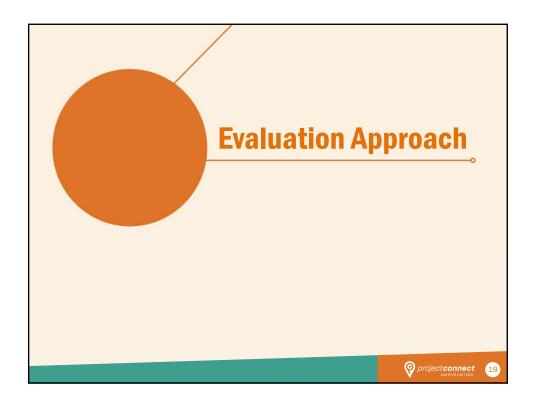


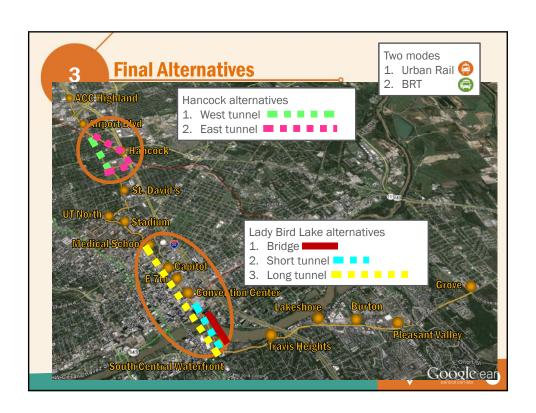












Evaluation Factors

- Ridership
 - Projected annual ridership*
 - Projected annual transit-dependent ridership*
 - Effect on system ridership
- Travel time
- Cost
 - Rough order-of-magnitude total capital cost*
 - Rough order-of-magnitude annual O&M cost*
 - Annualized lifecycle cost (capital, O&M, capital & fleet replacement) *FTA criteria





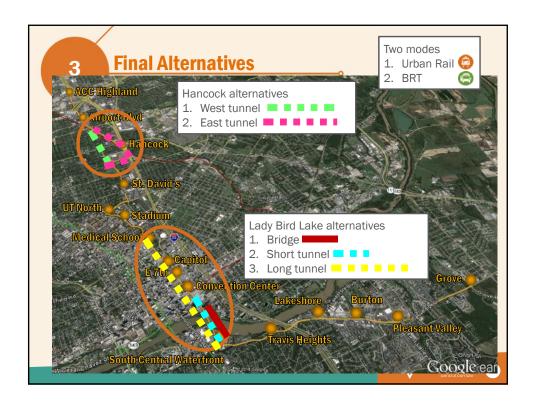
Evaluation Factors

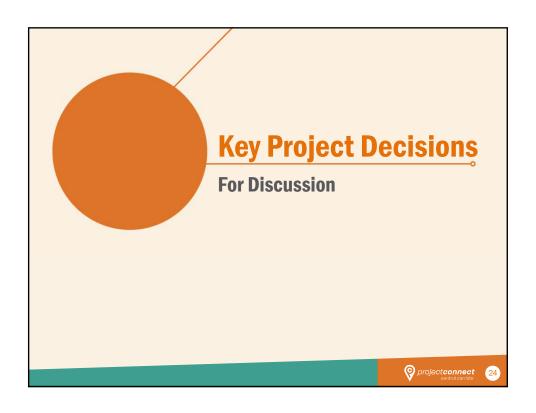
- Cost effectiveness
 - FTA cost effectiveness* (annualized capital + O&M/annual trips)
- Economic development effects
- Potential impacts (auto & pedestrian traffic, right-ofway, etc.)
- System effects (future capacity, connectivity, etc.)
- FTA competitiveness (index of FTA criteria)

*FTA criteria









Key Project Decisions

- Mode
- Lady Bird Lake thru Downtown
- Hancock Alignments



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Final Mode Alternatives

Urban Rail

Powered by offsite-generated electricity



+/- \$4M per vehicle 195 seated and standing \$65M-\$80M/mile to build

Bus Rapid Transit (BRT)

Powered by internal combustion (clean diesel, natural gas)



\$800K - \$900K per vehicle 100 seated and standing \$40M-\$50M/mile to build





Mode Discussion - Urban Rail



Benefits

- Permanence
 - Attracts and catalyzes economic development
- Vehicles quieter, cleaner, more comfortable
- Higher capacity
- Scalable for special events (add cars)
- Better acceleration/ deceleration

Issues

- · Higher capital cost
- Cost to modify or extend service greater than BRT
- New vehicle maintenance facility required





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Mode Discussion - Bus Rapid Transit



Benefits

- Lower capital cost, utility impacts
- Can use existing (expanded) maintenance facility
- · Familiarity with mode
- Tighter turning radius

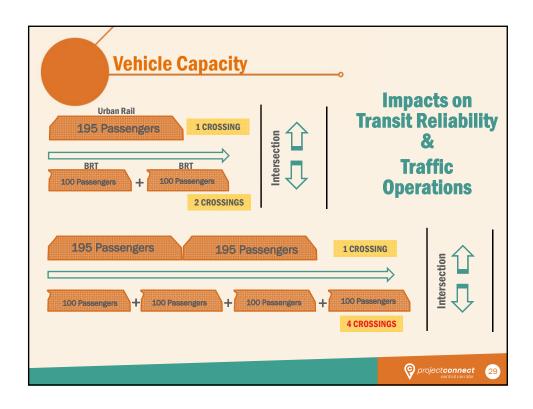
Issues

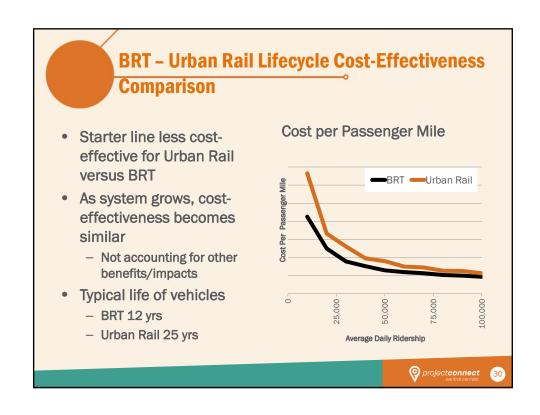
- Service often perceived as less predictable, permanent, or desirable
- More vehicles required to meet same capacity as Urban Rail vehicles
- Noise and emissions

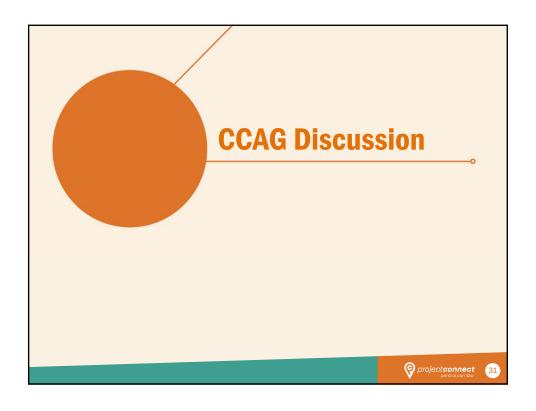




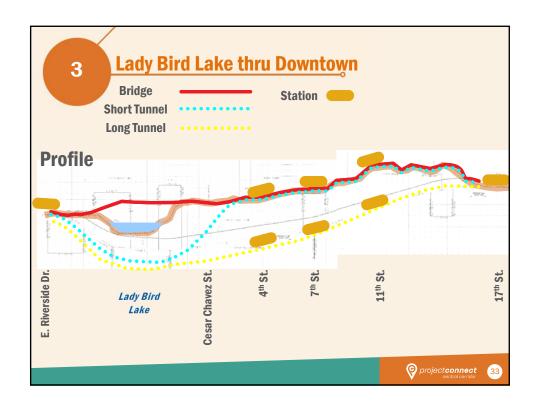














Short Tunnel Alternative

Benefits

- Avoids conflict with boathouse
- Future connectivity to SoCo, SoLa
- Future capacity/system expansion



Issues

- Convention Center operations (north portal)
- Reduced auto capacity, left turns, parking on Trinity
- Utilities
- 6th Street during street closures
- FTA cost-effectiveness

Approximate cost: \$240M





Long Tunnel Alternative

Benefits

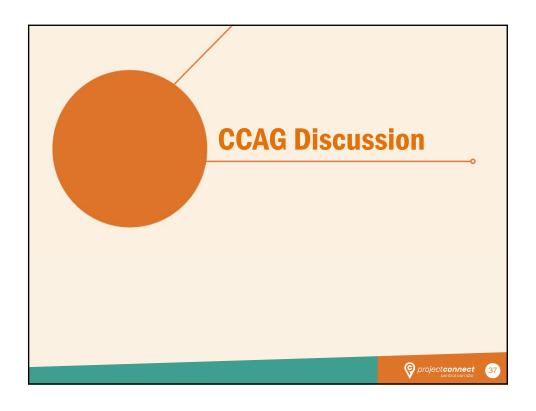
- Greater reliability, capacity through Downtown
- Can accommodate higher speeds and higher frequencies (higher ridership?)
- Maintains auto capacity, left turns, parking on Trinity
- Avoids issues with 6th Street during street closures, boathouse

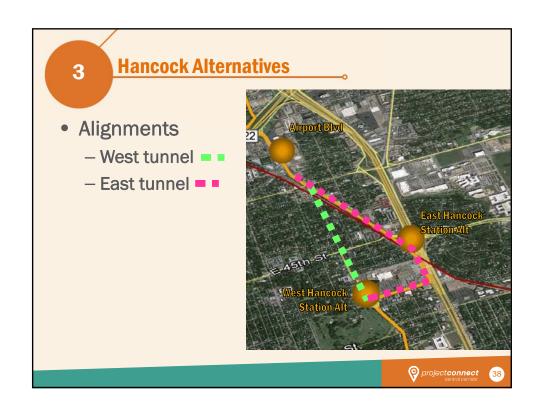
Approximate cost: \$475M

Issues

- Cost, including underground stations
- Less visible service downtown/reduced placemaking
- Portal and vents
- FTA cost-effectiveness







Hancock Alternatives: West Tunnel

Benefits

- Shorter travel time due to length and geometry
- At-grade station at 41st and Red River is less costly, more visible
- Consistent with Airport Blvd. Plan

Approximate cost: \$230M

Issues

- No Red Line transfer at Hancock
- New Red Line station at Airport Blvd /53 ½ St. close to Highland station



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Hancock Alternatives: East Tunnel

Benefits

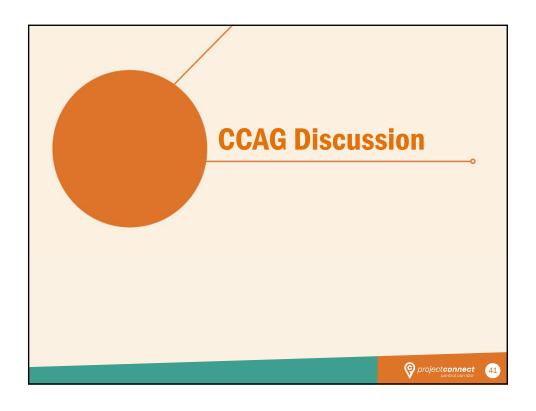
- Preferred potential Red Line transfer station at Hancock – favors bus transfers
- Future connectivity to Mueller

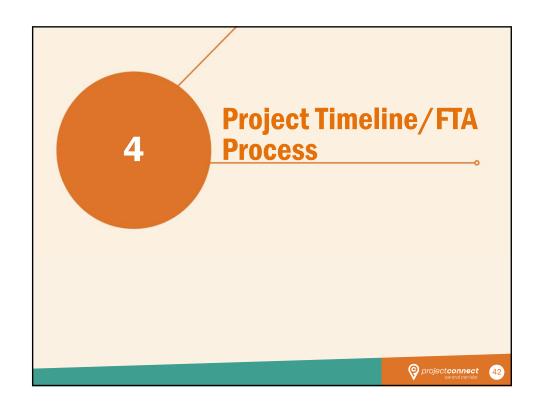
Issues

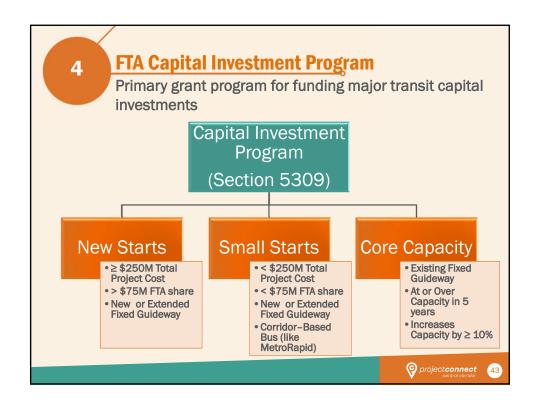
- Below-grade station cost
- Requires acquisition/ displacement of property and businesses along I-35 frontage
- · Appearance of duplication

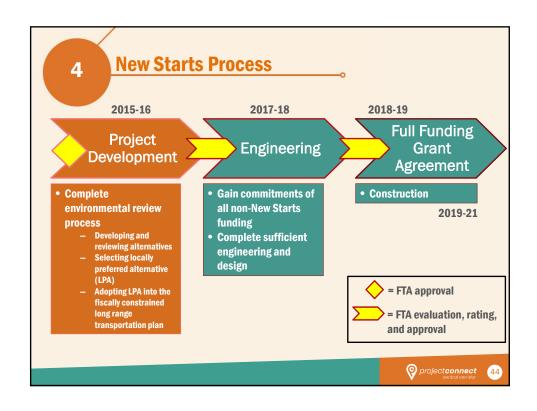


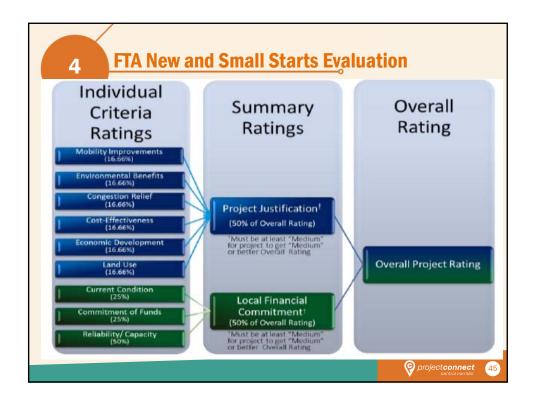
Approximate cost: \$290M

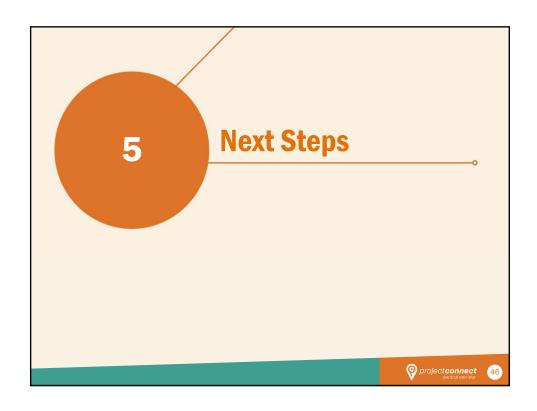












Council **Road to the LPA Schedule** 5 Central Corridor Study Topics March 27th CCAG #11, April 11th Operations plan May 22nd Evaluation approach FTA process - Briefing Project development timeline CCAG #12, May 2nd • June (tbd) - Project team recommendation for LPA (end-to-end) System connectivity Special - Rough order-of-magnitude (ROM) cost estimates Session Ridership estimates Funding and governance June 26th CCAG #13, May 16th Action Phasing options (the project) System connectivity Scope and fee for additional system planning and project definition CCAG #14, June 13th Action on recommended LPA and 1st Phase (the project) projectconnect 47

