

November 19, 2014

Agenda

- Welcome & Introductions
- Downtown Station Recap
- MetroRail Improvements
- Recap July 25th Workshop
- Stakeholder Updates
- Updates to Concepts
- Design Considerations
- The Vision
- Implementation Timeline

Goals

Take advantage of this opportunity to:

- Effectively collaborate
- Integrate transit users with activities and amenities surrounding the site
- Build a constituency and increase potential funding opportunities (federal, state, and local grants)
- Create a vision for mobility infrastructure that works together with the built environment to shape and define a place supports Austin's livability

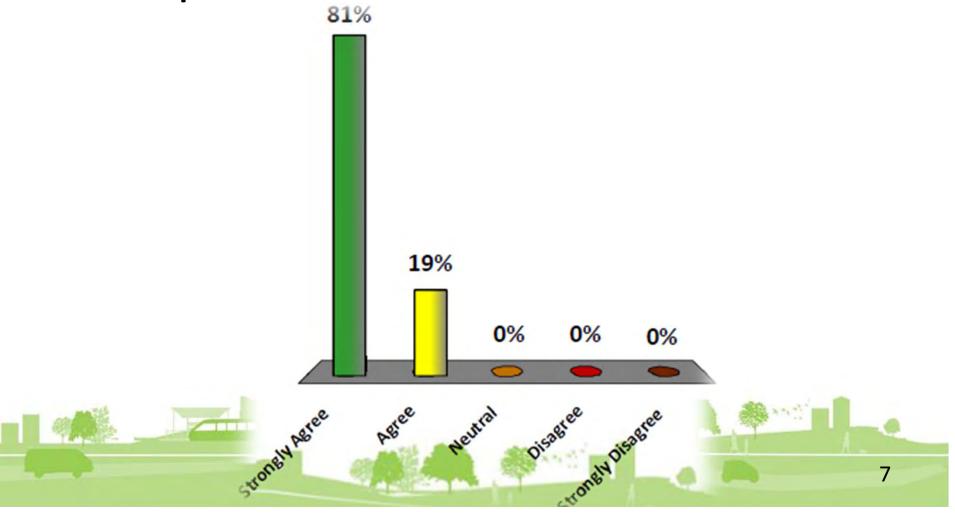
Previous Planning Efforts



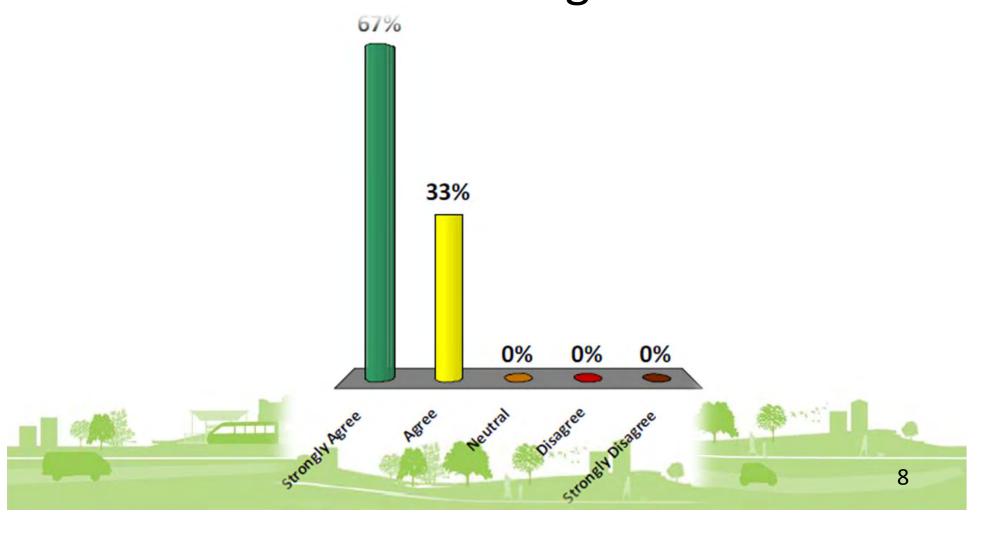
Downtown Growth



"This initiative represents an opportunity to create a more vibrant place in downtown Austin"



"We have a better chance to create a more vibrant place in downtown Austin if we work together"



METRORAIL IMPROVEMENTS









MetroRail Red Line Peer System



- A-train is a 21-mile regional rail system connecting Denton and Dallas Counties
- Six A-train stations: Denton (2),
 Highland Village-Lewisville area
 (3), and DART Trinity Mills Station
 in Carrollton

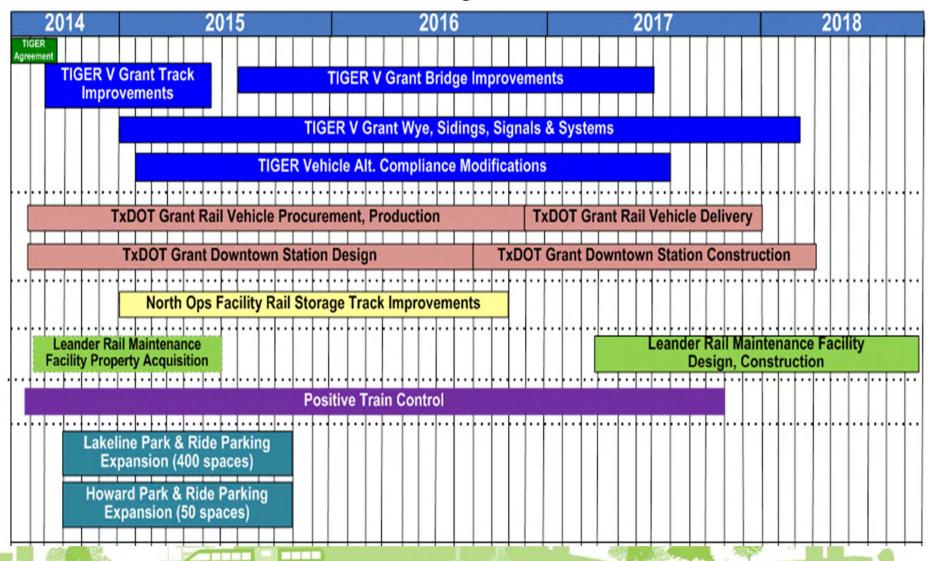




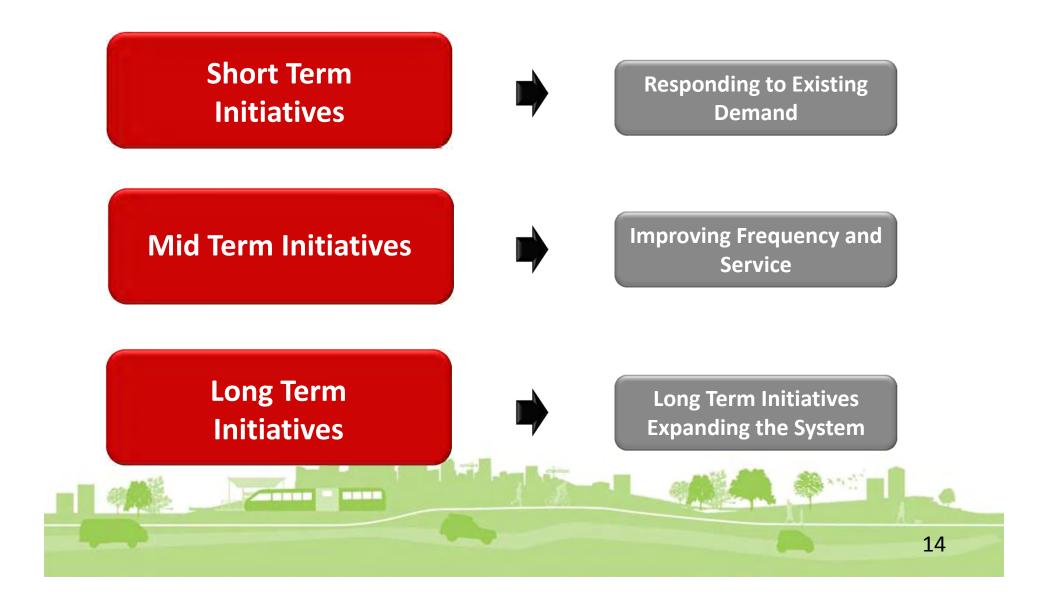
MetroRail Red Line by the Numbers

Performance Measurements	Trinity Railway Express	DCTA A-Train	Capital Metro MetroRail	
Operating Expenses (\$)	\$ 25,870,000	\$ 12,258,021	\$ 12,958,185	
Ridership	2,092,782	638,423	781,049	
Revenue Miles	1,144,466	328,940	279,868	
Revenue Hours	49,496	12,238	11,613	
Cost Per Passenger (\$)	\$12.36	\$ 19.20	\$ 16.59	
Alignment Length (miles)	33.8	21	32	

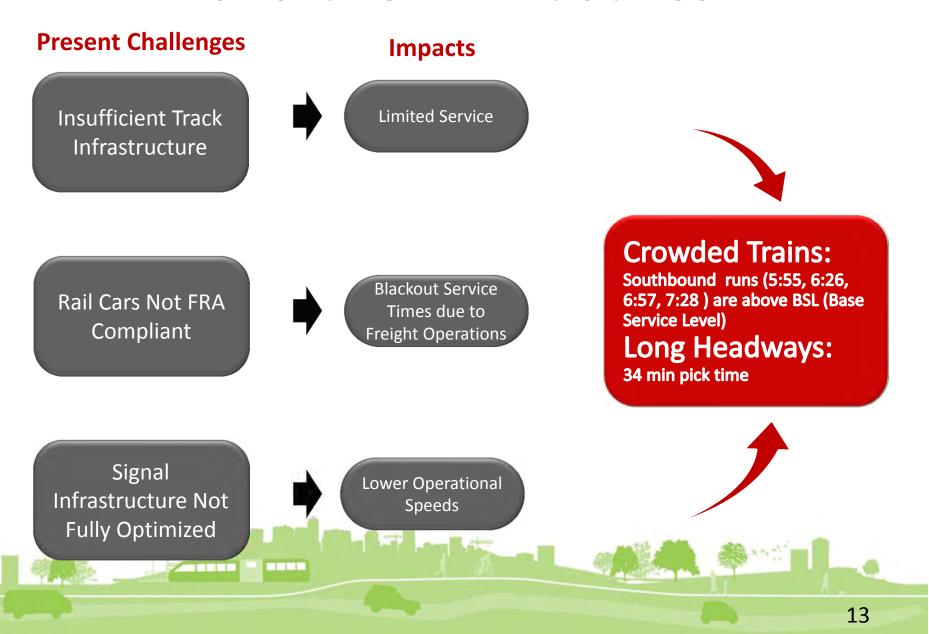
MetroRail Project Timelines



MetroRail Red Line: Service Improvements



Short Term Initiatives



TIGER V Improvements

Responding to Existing Demand



Tiger V

- 11. 3 Million Tiger V FTA
- 16 Million Local Match
- Total 27.3 Million

Freight

- Railroad Bridge Replacement Program
- 90-Pound Rail Rehabilitation
- Upgrade East Corridor Tracks Class I to II
- Upgrade west corridor tracks to class III

Passenger

Increase track super-elevation between
Lakeline and Plaza Saltillo
Vehicle Alternate Compliance
Parmer siding and sidings at Highland, Howard
and Lakeline stations
Austin junction (wye)
Redesign crossing warning systems
Improve wayside signal system

Metro Rail Improvements Summary

- Increase service (Additional morning and evening run)
- New run will allow (+/-) 15 min headways at the peak of the peak –morning and evening service
- Friday evening service will run utilizing only two trains instead of three trains maintaining current schedule
- Improved operational speeds in key segments of the alignment
- Increased operational flexibility
- Alternate compliance will increase span of service without impacting freight operations
- Expanded freight service on passenger corridor
- Use of five trains in regular schedule service

RECAP JULY 25TH WORKSHOP

Stakeholder Meeting #2

- Presented architectural design concepts and fire station relocation study
- Excitement about Gateway statements/concepts
- Waller Creek emphasized importance of following design guidelines
- Concerns by Hilton about valet circulation
- Request to look at property east of Red River
- Concern by DAA of station location
- Concern by DAA of maintaining vehicle circulation on 4th

STAKEHOLDER UPDATES





Austin Watershed Protection

Bicycle Advisory Council

Downtown Austin Alliance

Railyard Apartments HOA

315 Sabine St.

Hilton Austin

Waller Creek Conservancy

Planning & Development Review

Austin Fire & FMS

Austin Transportation Dept

22

Austin Transportation Dept.

Traffic Circulation:

- Feasible to convert 5th St. to two-way to improve site access
- Acceptable to minimize vehicular traffic on 4th St
- Consider Complete Streets policy
- Red River circulation must remain

Bike Circulation:

- L.A.B. should remain but different guideway treatments can be considered through pedestrian area
- Coordinate on bike circulation and crossings (track approach)
- Continued coordination during next phase

Austin Fire & EMS

- Advance short List of potential relocation sites
- Continued coordination during next phase
- Supporting others with strategies for funding relocation



Planning & Development Review

- Enthusiasm for project and Concept 3, in particular
- Lack of open space at Brush Square, desire to move Fire Station
- Concerns about amenities available
- Coordinate with Waller Creek Conservancy
- Pedestrian access/concentration diversion at Red River
- Review Hilton's parking garage footprint with depressed track design
- Peer evaluation/technical assistance panel with CNU-CTX or ULI
- Continued coordination during next phase

Railyard Apartments HOA

- Parking availability
- Pedestrian connectivity & security
- Parks
- Ongoing project coordination w/stakeholders, plans, and agencies
- Continued coordination during next phase

Downtown Austin Alliance

- Concerns with traffic impacts of closure of 4th Street, especially during special events & valet queuing
- Concerns about simultaneous closures of 2nd & 3rd Streets
- 5th street conversion to two-way west of Congress desired
- Active public space will generate additional O&M costs, need dedicated funding
- Consider Convention Center conceptual master plans
- Consider Sabine Promenade
- Continued coordination during next phase

Waller Creek Conservancy

- Excited about partnering opportunities
- Sabine Promenade
- Interface w/Waller Creek trail
- Access to tunnel cleanout shaft
- 4th St. Waller Creek Bridge
- Design guidelines & review
- Connection to East
- Continued coordination during next phase

Austin Watershed Protection

City of Austin access requirements along 4th Street between IH-35 and Sabine Street for:

- Waller Creek Tunnel Project 4th Street
 Creekside Inlet
- Sabine Street Promenade Project
- Austin Energy Chiller Plant

315 Sabine St.

Continued coordination during next phase



Hilton Austin

- Valet Access options:
 - 4th Street
 - Underground parking garage
- Open to shared use of bike path for valet circulation
- Continued coordination during next phase

Bicycle Advisory Council

- Opposition to traffic shared with bikeway
- Supports conversion of 5th St. to two-way so that 4th can be converted to car-free except for emergency & special event vehicles
- Continued coordination during next phase

Future Stakeholder Updates

- Downtown Commission
- Design Commission
- Urban Transportation Commission
- 555 Condos
- Marriot Management

Other efforts:

- Block-walking in the area of influence to identify additional stakeholders
- Scheduling a public workshop for January feedback on concepts
- Launch of project page on Project Connect site
- Outreach to MetroRail riders

UPDATES TO CONCEPTS



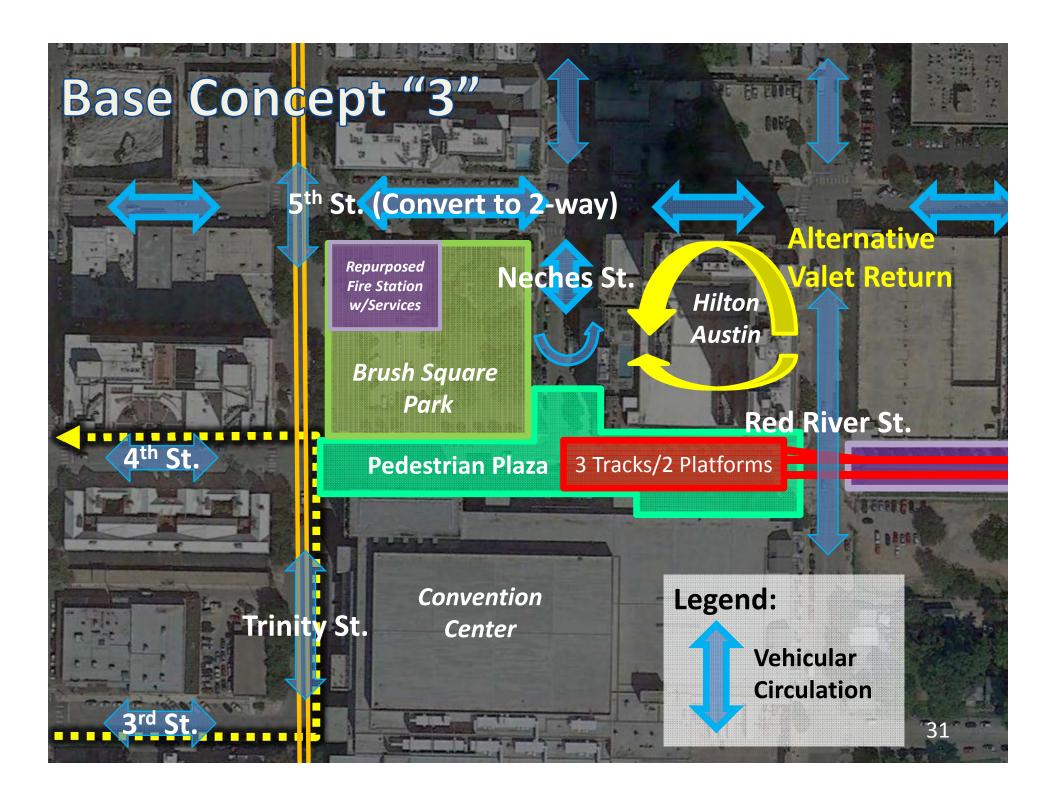
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Criteria	How well does the solution meet criteria?	How well does the solution meet criteria?	How well does the solution meet criteria?
Capital Metro Operational Needs - 3 platform positions, 2 bus bays	ជជជជជ	ታ ታታታታ	***
Capital Metro User Experience - ease of transfers, accessibility	☆	**	***
Top Constraints (from 5/23 workshop)			
Relocate AFD/EMS Function	**	***	***
Presence of multimodal hub and consider future expansion	**	ታ ታታታታ	አ ልልልል
4th, 5th, Neches, Red River traffic circulation	ተ ተተ	አ አ አ አ	☆☆☆
LAB alignment & pedestrian connectivity to nearby areas (such as Waller Creek)	\$\$\$	***	☆☆☆☆☆
Hilton and Convention Center operations, access, and plans	**	ታ ታታታታ	አ አአአአ
Top Functions (from 5/23 workshop)			
Gateway for downtown Austin	☆☆	***	ል ልልልል
Pedestrian circulation & connectivity	☆	☆☆	ል ልልልል
Front yard for CC/Hilton/flexible diverse use public space	☆	☆	አ ልልልል
Public services (restroom, water, etc.)	2222	***	***
Vehicular circulation & connectivity	***	***	ል ልል
Other Stakeholder Needs			
Consider connector bridge concepts	ል ልልል	ታ ታታታታ	☆☆☆☆☆
Allow for valet/parking circulation	ል ልልል	ል ልልል	አ ለአለ
Maintain pedestrian crossings of 4th Street	ታ ታ ታ	**	☆☆☆☆☆
Maintain Red River service access and circulation	ል ልልል	ል ልልልል	አ ታታታታ
Maintain CC & Hilton ingress/egress	ជជជជជ	ታ ታታታታ	አ አ አ አ
Maintain recently added event space along 4th Street	ል ልልል	ል ልልልል	***
Noise/vibration between CC & Hilton	አ አአአ	ል ል ል ል	አ አአአ
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Maintain Car2Go car sharing operations	ជជជជជ	ል ልልልል	***
Maintain B-Cycle bike sharing operations	ል ልልልል	***	☆☆☆☆☆

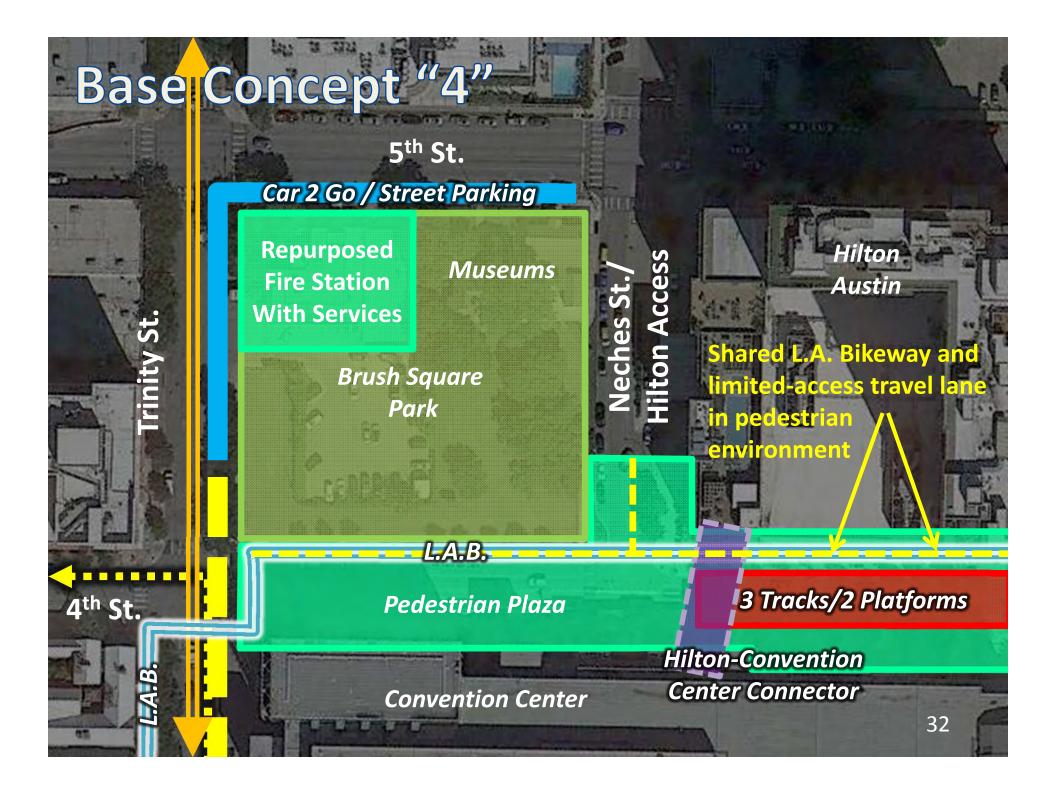
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4th, 5th, Neches, Red River traffic circulation	ታ ታታታ	***	***	***
LAB alignment & pedestrian connectivity to nearby areas (such as Waller Creek)	* * *	ል ል ል ል ል	ል ልልልል	**
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Gateway for downtown Austin	☆☆	**	አ ልልል	☆☆☆☆
Pedestrian circulation & connectivity	☆	☆☆	ል ልልልል	ል ልልል
Front yard for CC/Hilton/flexible diverse use public space	☆	☆	***	☆☆☆☆
Public services (restroom, water, etc.)	$\Delta\Delta\Delta\Delta\Delta$	ተ ተተ	ል ልልልል	አ አአአአ
Vehicular circulation & connectivity	$\Delta\Delta\Delta\Delta\Delta$	**	ል ልል	ተ ተተ
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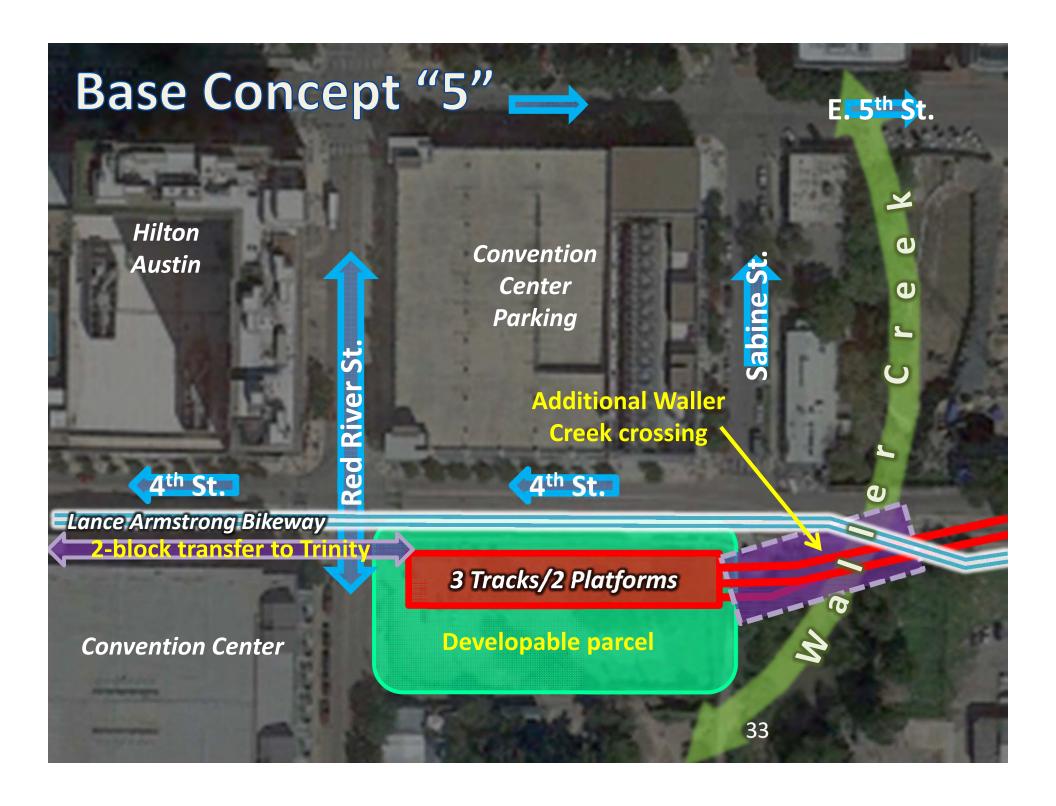
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Top Constraints (from 5/23 workshop)	,				
Relocate AFD/EMS Function	አ አ አ	አ አ አ አ አ	***	አ አ አ	☆
Presence of multimodal hub and consider future expansion	ል ል ል	አ አ አ አ አ	ជជជជ	***	¥
4th, 5th, Neches, Red River traffic circulation	አ አአአ	***	***	አ አ አ አ	***
LAB alignment & pedestrian connectivity to nearby areas (such as Waller Creek)	ል ል ል	ជជជជជ	***	**	ታ ታታ
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Top Functions (from 5/23 workshop)					
Gateway for downtown Austin	\$\$	2	ል ልልልል	***	**
Pedestrian circulation & connectivity	☆	**	ል ልልልል	አ አ አ አ	**
Front yard for CC/Hilton/flexible diverse use public space	☆	⋾	ል ልልልል	\$\$\$\$	አ አ
Public services (restroom, water, etc.)	***	***	***	ተ ተተተ	ተ ተ ተ ተ ተ ተ
Vehicular circulation & connectivity	***	ታ ታ ታ	ል ልል	***	አ ልልልል
Other Stakeholder Needs					
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Allow for valet/parking circulation	ል ልልልል	***	ል ል ል ል	***	ተ ተ ተ ተ ተ
Maintain pedestrian crossings of 4th Street	ታ ታታ	\$\$\$	***	***	☆☆☆☆
Maintain Red River service access and circulation	ជជជជជ	ተ ተተተ	***	ተ ተተተ	ተተተተ ተ
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Pedestrian circulation & connectivity	☆	☆☆	ል ልልልል	አ አ አ አ	☆☆
Front yard for CC/Hilton/flexible diverse use public space	☆	☆	አ ልልልል	ជជជជ	ታ ታ
Public services (restroom, water, etc.)	***	ជជជជជ	ል ልልልል	ተ ተተተ	ជជជជជ ជ
Vehicular circulation & connectivity	***	ታ ታታ	☆☆☆	ជជជជ	አ አ አ አ አ
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Allow for valet/parking circulation	ል ልልልል	ជជជជ	ឯឯឯឯ	ል ልልል	ተ ተተተ
Maintain pedestrian crossings of 4th Street	ል ል ል	**	ል ልልልል	ል ልልል	ል ልልል
Maintain Red River service access and circulation	ል ልልልል	ታ ታታታታ	☆☆☆☆☆	ជជជជជ	ል ልልልል
Maintain CC & Hilton ingress/egress	ል ልልልል	ተ ተተ	ឯឯឯឯ	ងងងងង	ል ልልልል
Maintain recently added event space along 4th Street	ል ልልልል	ል ልልልል	ል ልልልል	ងងងងង	ል ልልልል
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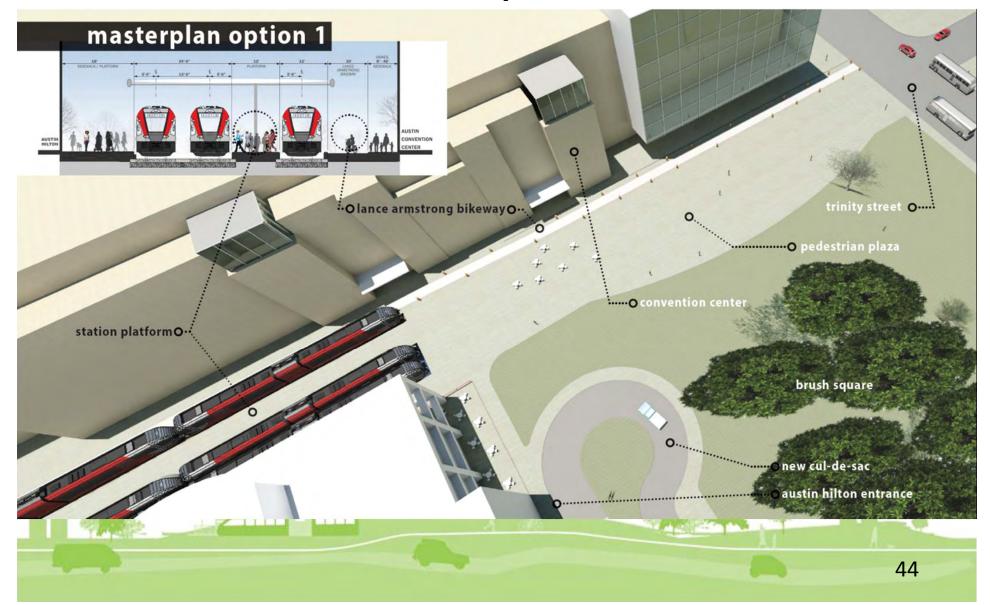


Elements of Concepts 3 and 4 address the stakeholder-defined criteria best and will be advanced to the next phase

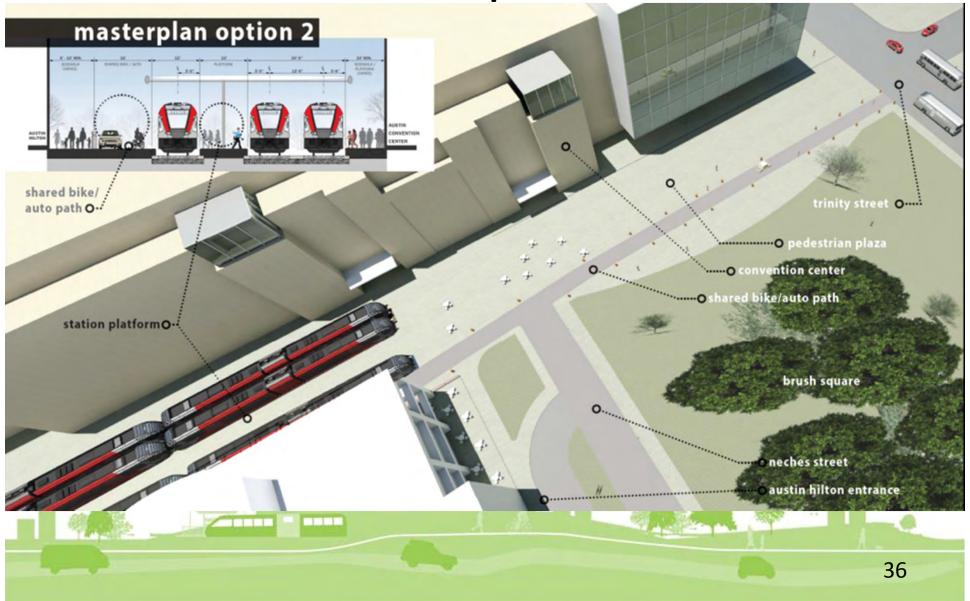
Upcoming Design Phase - Technical Evaluation

- Engage the public and additional stakeholders
- Identify any fatal flaws
- Incorporate stakeholder feedback as appropriate
- Develop detailed design (30% level)
- Environmental review and approval as needed
- Develop cost estimates and confirm meets budget

Concept "3"



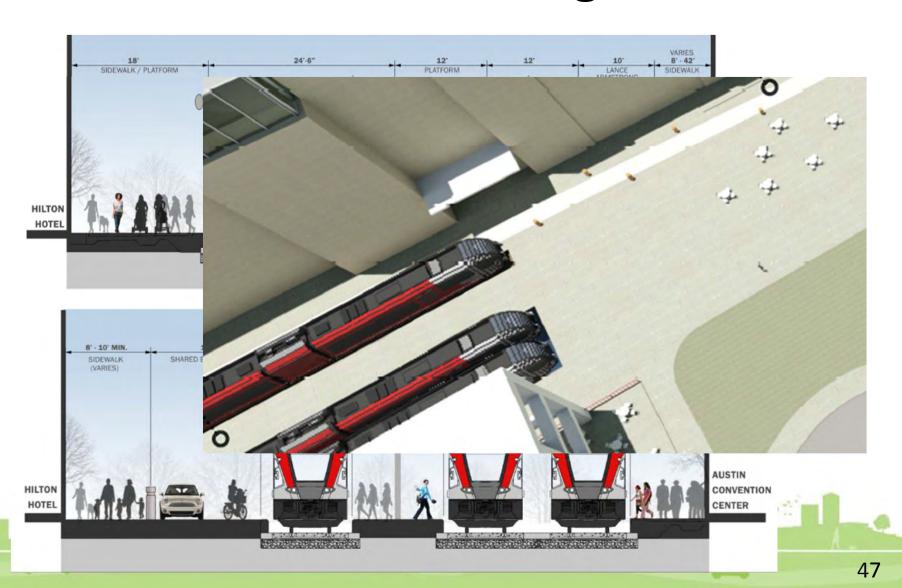
Concept "4"



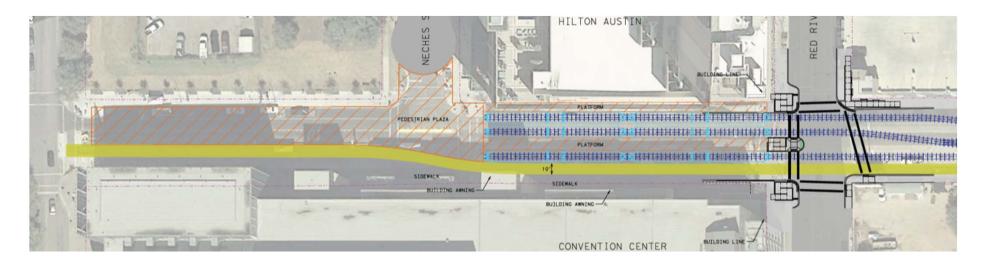
DESIGN CONSIDERATIONS

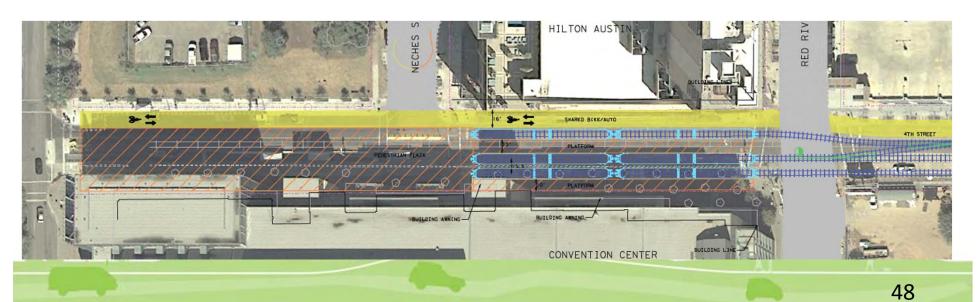


Details – Lowering tracks

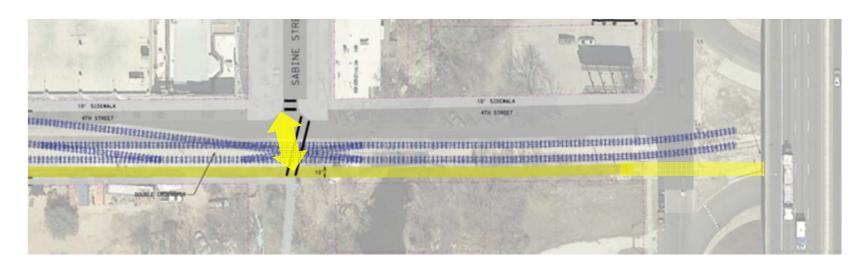


Details





Details



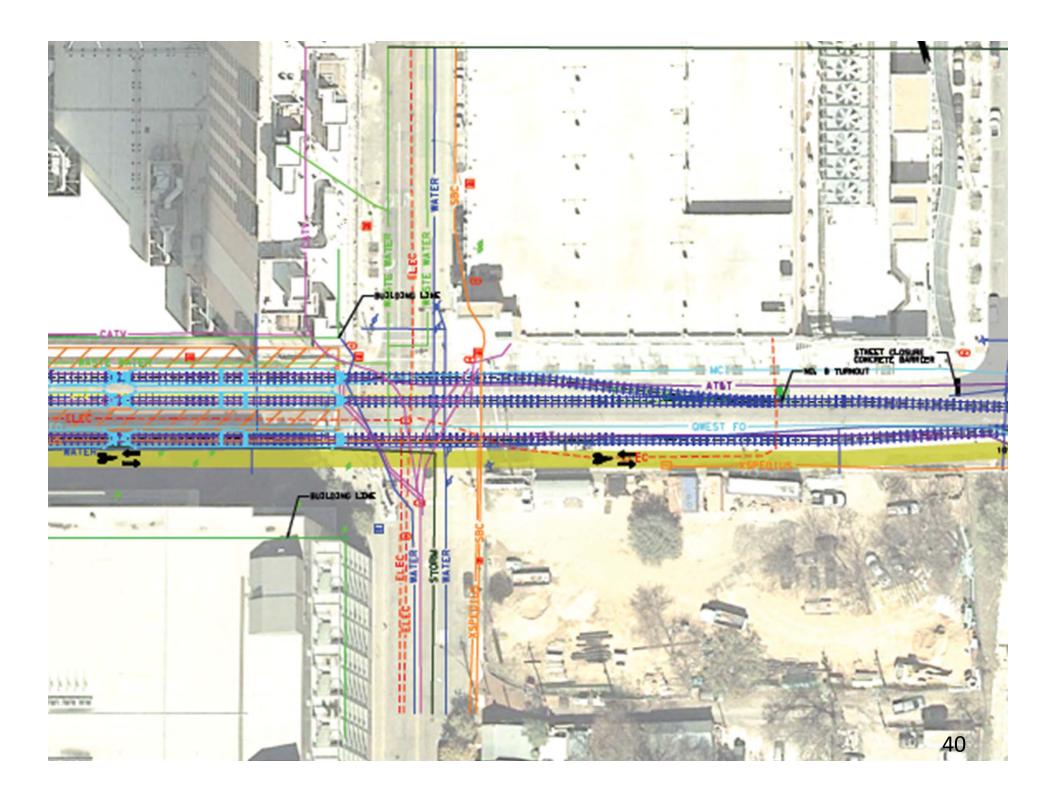


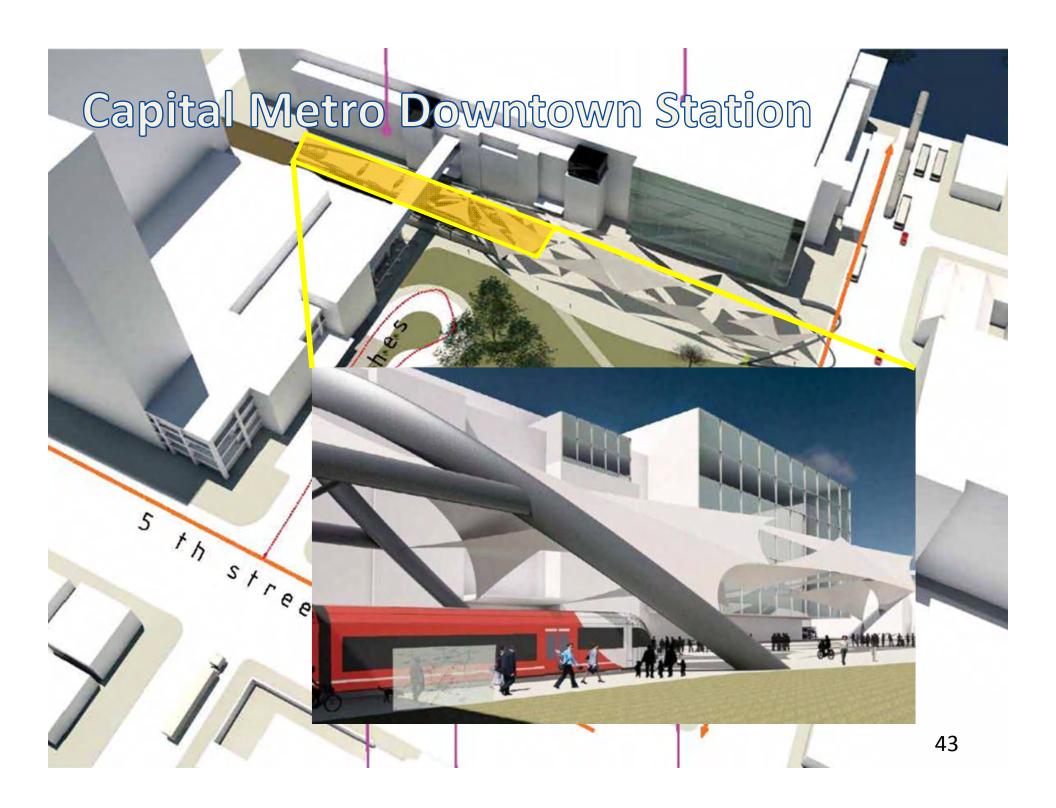
Details – Waller Creek & Sabine

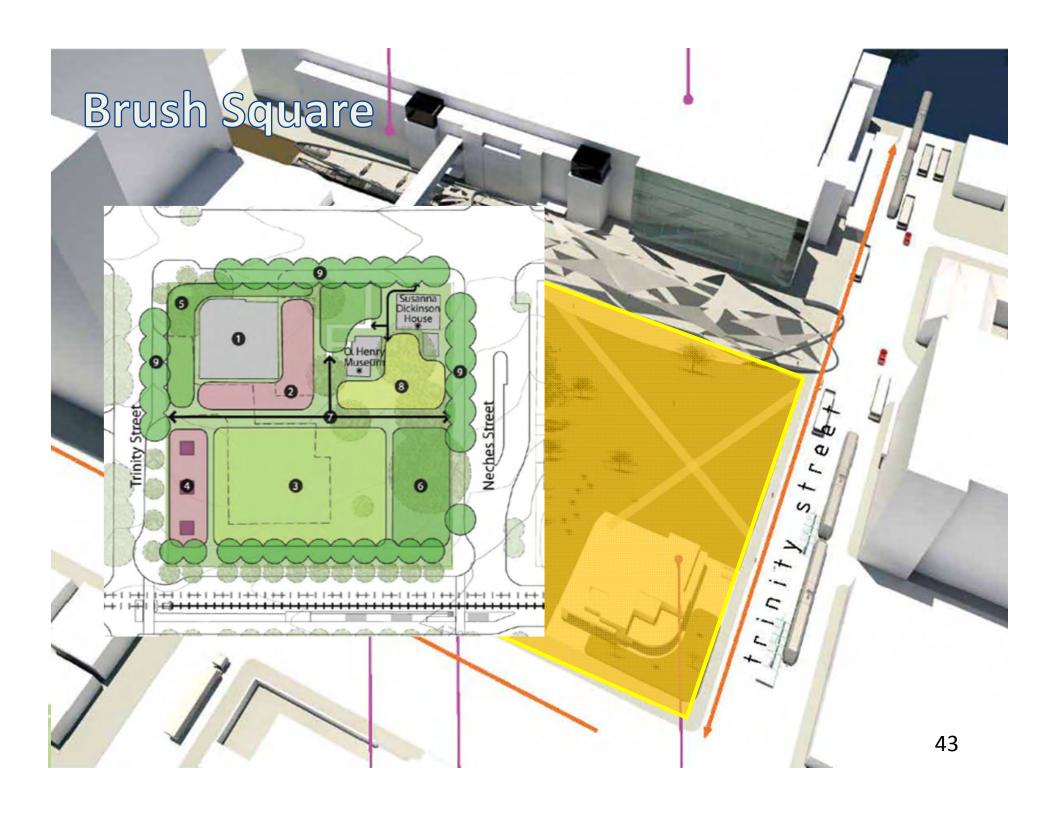
- Existing rail bridge can remain as part of a phased approach
- R/W width is sufficient to add new bridge for 2nd track, roadway lane, and sidewalk
- Future phase of work could raplace old rail bridge and L.A.B. bridge
- Sabine/4th Rail-Trail crossing practice warning devices

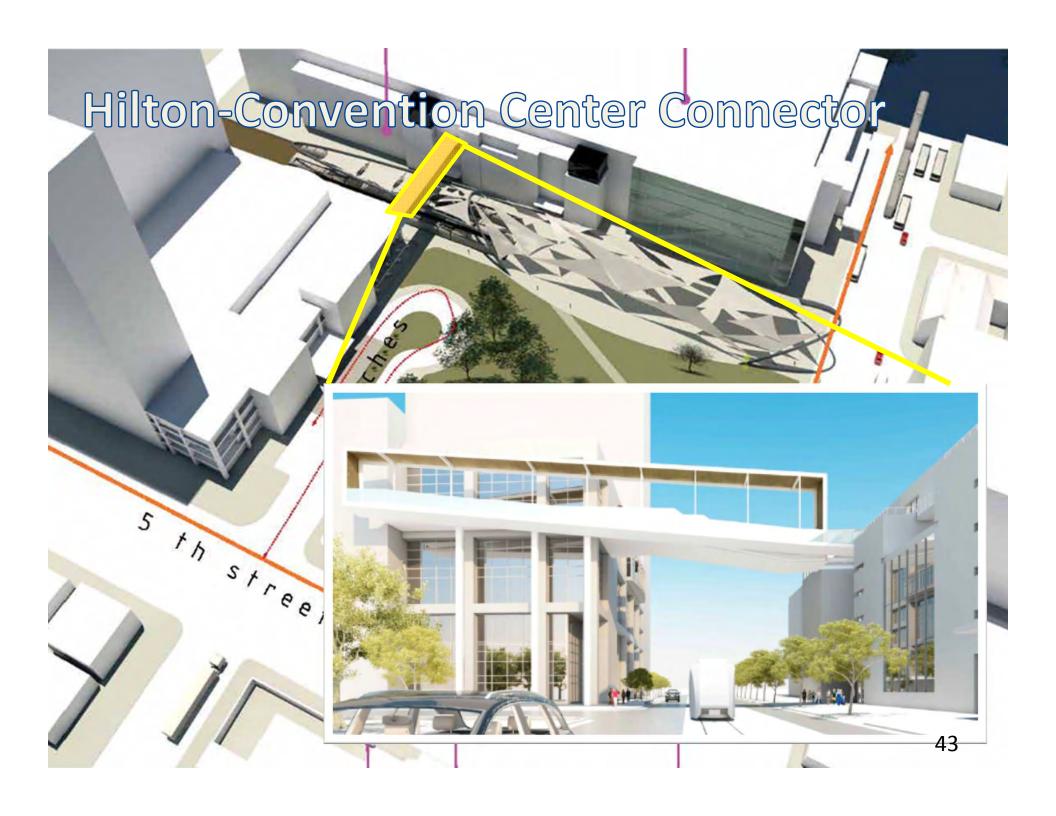
Details - Utilities

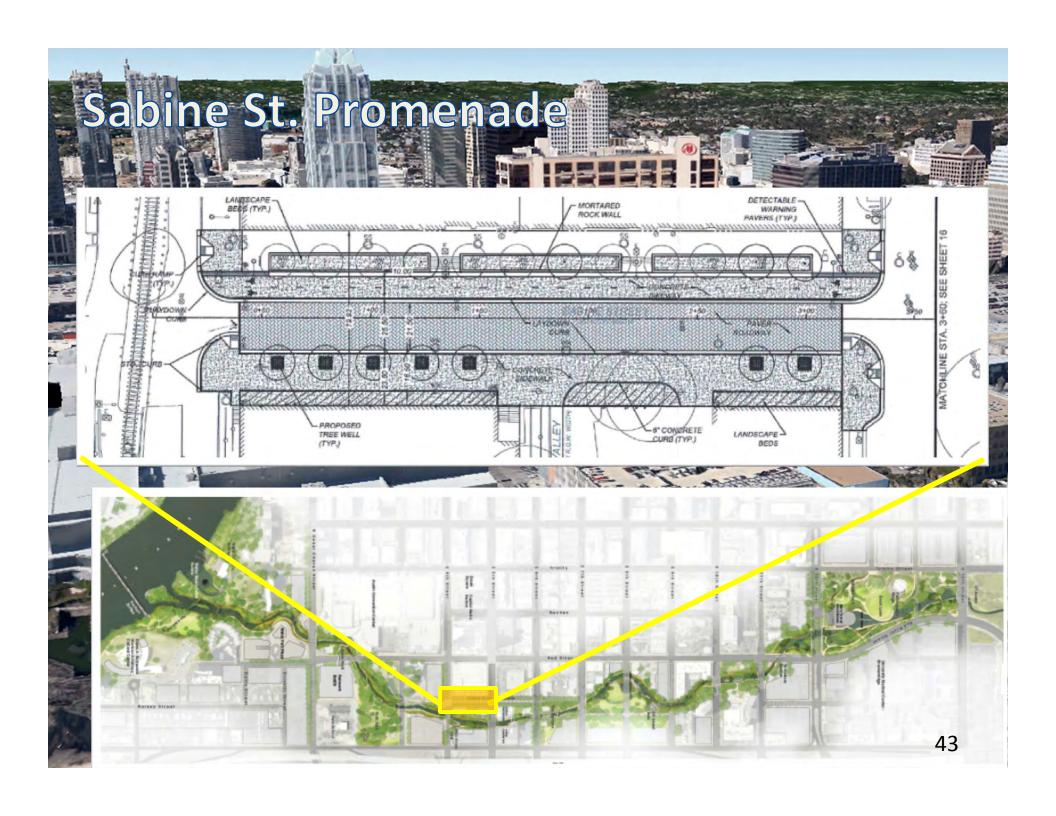
- To define magnitude cost allowance
- Records research & Austin Utility Location Coordination Committee (AULCC)



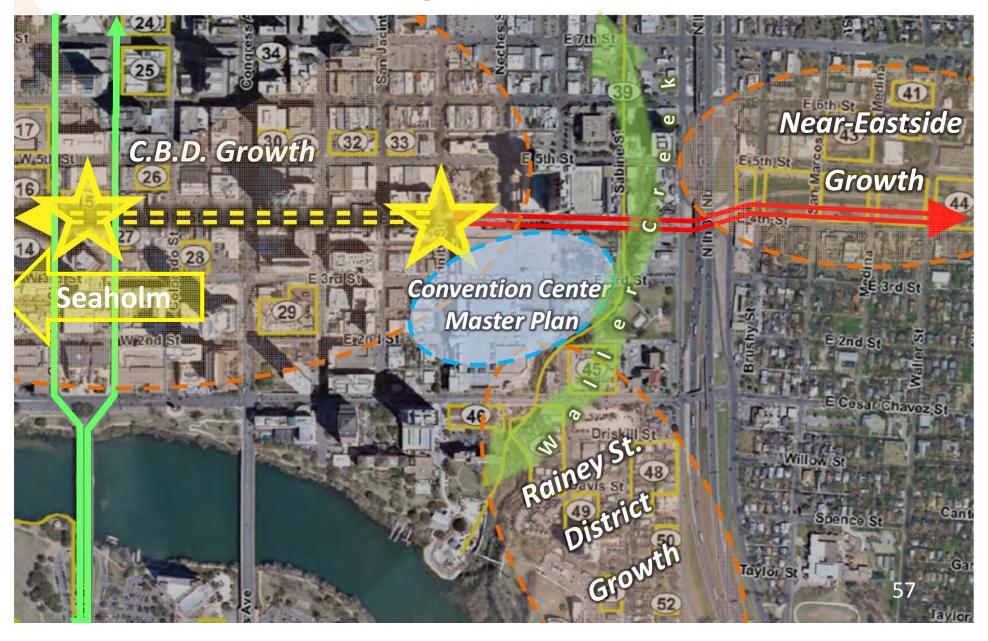








Our urban fabric... the vision

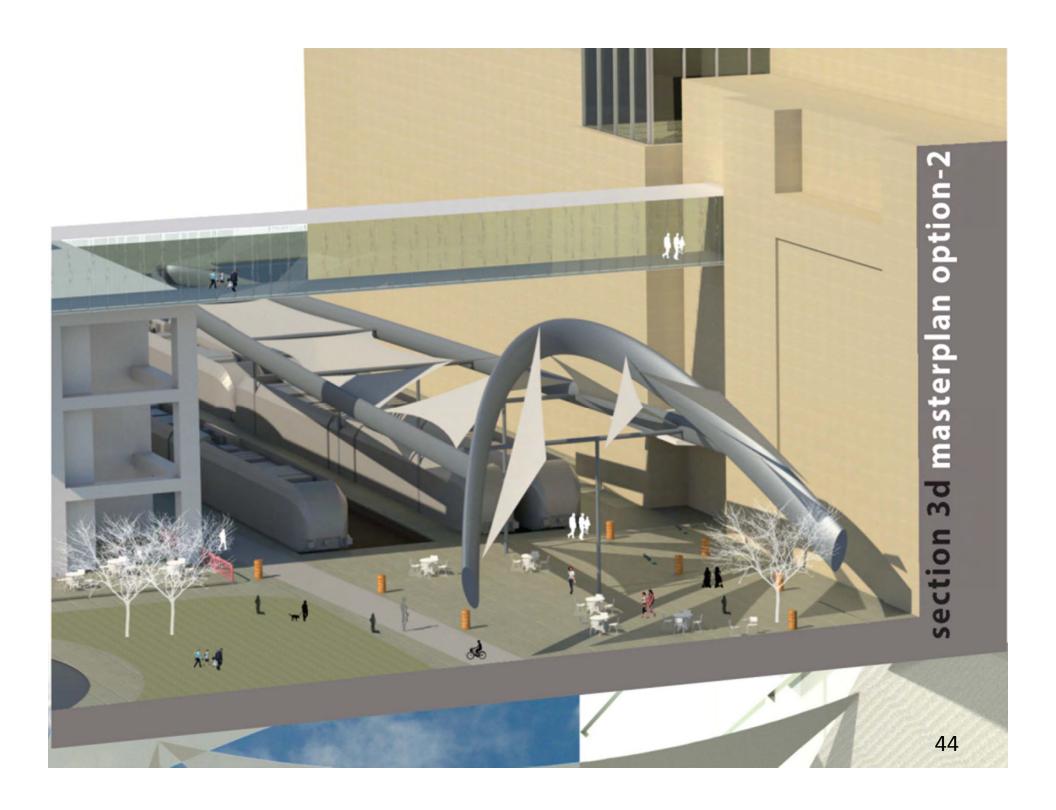


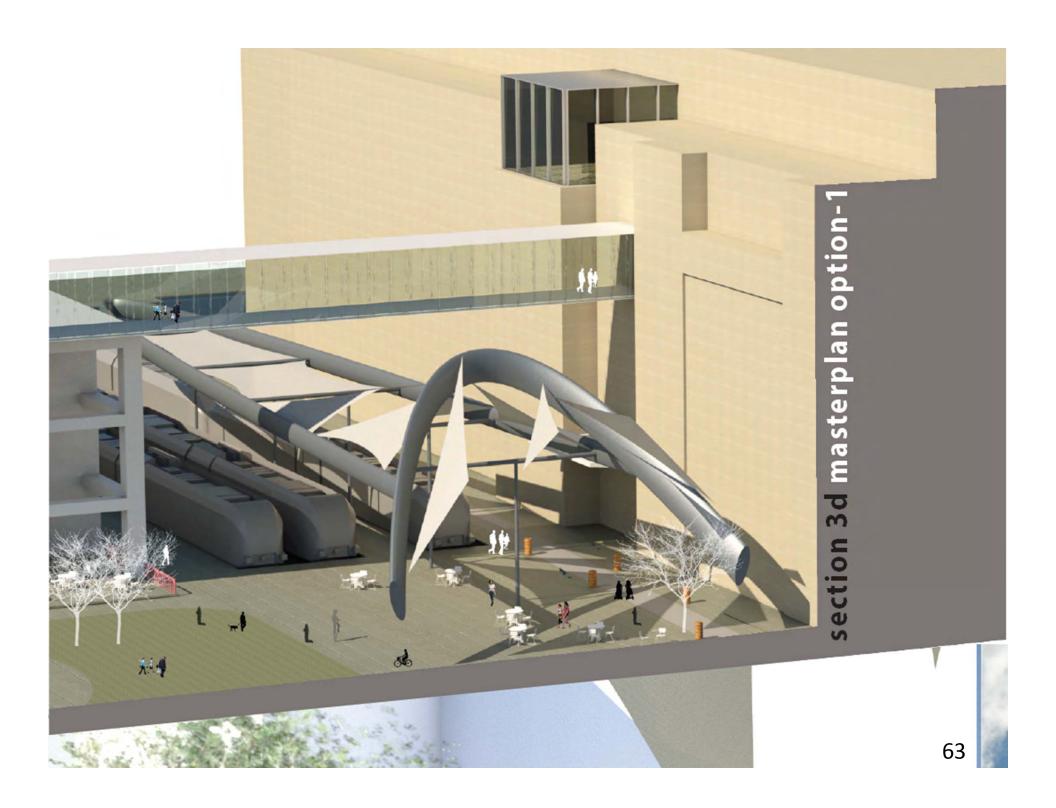












What other items should be considered during next design phase?

Implementation Timeline

PC - MetroRail / Downtown Station - Gateway Initiative **Preliminary Time Line & Expenditures** 2014 2015 2016 2017 2018 04 02 03 02 Q3 02 Q3 Q2 01 04 01 04 01 **Q4** 01 Q3 10 % Project Definition - 197 K Public Outreach - 30 K 90 K A&E / Procurement - 10 k (Design Competition) - 90 K 40 K Environmental Review (CE) - 80 K Public Outreach - 30 K 800 K March/April - 2018 100 K 300 K 600 K 700 K 300 K Final Design - 2.8 M 2 M 3 M 3.5 M 4.5 M 4.5 M Station Construction - 22.2 M 2 M 2.5 M 3 M 2 M Transit Plaza - Place Making 600 K 600 K

concept:2 sail



Thank you!

