

CENTRAL CORRIDOR HIGH-CAPACITY TRANSIT STUDY

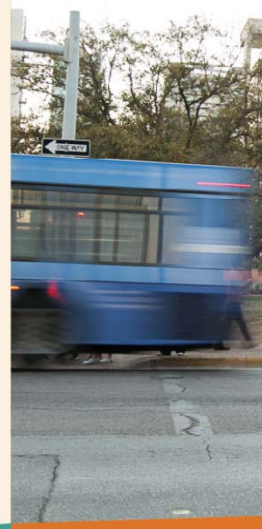
LPA Recommendation

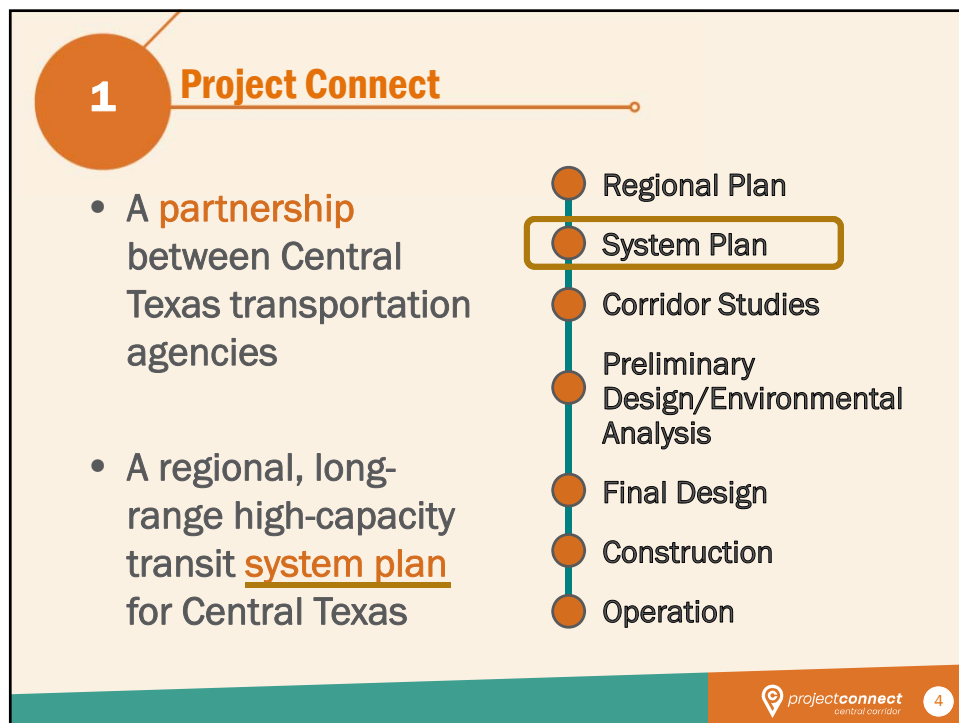
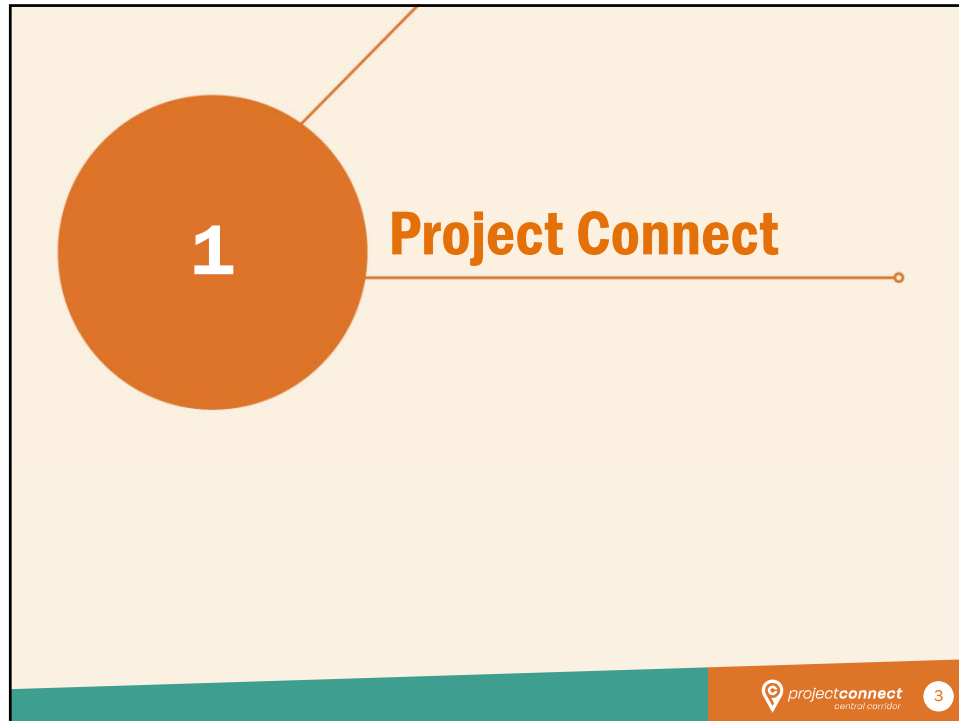
May 2014



Briefing Topics

- 1) Project Connect
- 2) Central Corridor Study
- 3) Recommended Locally Preferred Alternative (LPA)
- 4) Next Steps

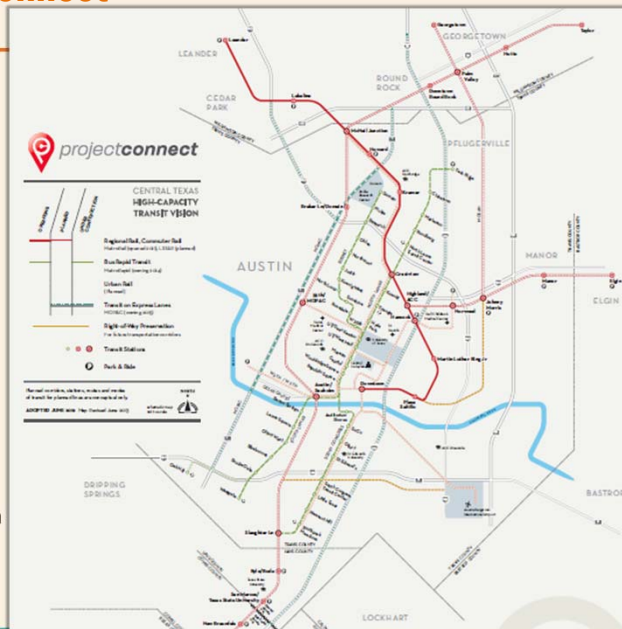




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Project Connect Vision

- System
 - 25 Centers & ABIA
 - 4 Counties/13 Cities
- Funding
 - \$4B Total Capital
 - Can Fund:
 - \$1.9B (49%) Capital
 - \$82M O&M
- Organization
 - ILA for Early Project Development
 - Framework for Regional Organization and 'Single System' Integration

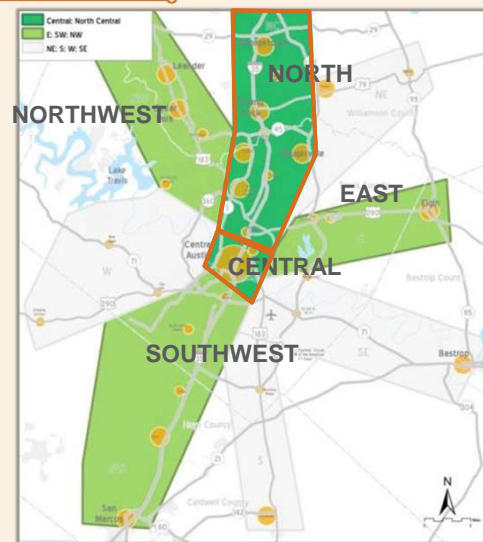
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Project Connect Corridors

- 9 Project Connect Corridors
- 5 High Priority:
 - North
 - East
 - Southwest
 - Northwest
 - Central

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6

2

Central Corridor Study

2

Central Corridor Work Plan Phases

Decision-Making Process

- Phase 1: Select Priority Sub-Corridor
 - ‘Where are we going...next?’
- Phase 2: Select Locally Preferred Alternative (LPA)
 - ‘How will we get there?’



2

Phase 2 Work Plan & Schedule

Decision-Making Process

- Phase 2: Select Locally Preferred Alternative (LPA)

Current
Progress

Central Corridor High-Capacity Transit Study Work Plan													
				2013	2014								
				6	7	8	9	10	11	12			
				Dec	Jan	Feb	Mar	Apr	May	Jun			
Phase 2 Select Draft Locally Preferred Alternative (LPA)	Step 4: Identify Preliminary Alternatives	Task 9	Project Purpose										
		Task 10	Process – Methodology & Criteria										
		Task 11	Identify & Screen Preliminary Alternatives – Service, Mode & Alignment										
	Step 5: Define Final Alternatives	Task 12	Define Final Alternatives – Mode & Alignment										
	Step 6: Evaluate Alternatives	Task 13	Evaluate Final Alternatives										
	Step 7: Select LPA	Task 14	Select Draft Locally Preferred Alternative (LPA)										
			Decision										*

3

Recommended Locally Preferred Alternative

3

Target Service Profile

Reliability

Mostly Dedicated

Mixed Traffic

Transit Priority/
Pre-emptionDedicated
GuidewaySeparated
GuidewayFully Separated
Guideway

Frequency

10 - 15

5 minutes

60 minutes

Stop Spacing

 $\frac{1}{2}$ - 1 mile< $\frac{1}{4}$ mile

> 5 miles

Speed

20-30 avg.

10 mph

55 mph maximum (including stops)

60 mph

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2

Recommended
Locally Preferred Alternative (LPA)

- 9.5-mile Urban Rail route, double-track and electrified
- 16 Stations with 4 park and rides
- Estimated 16,000 – 20,000 daily Ridership by 2030
 - 10k new transit riders to system
- Travel Times
 - Grove to Convention Center (4.1 miles) – 11 min
 - ACC Highland to Convention Center (5.4 miles) – 17 min
- Total Capital Cost: \$1.38 B (2020)
- Annual O&M Costs: **TBD**

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2

Recommended LPA



- Over 46,000 residents currently within ½ mi
 - Over 16k new residents due to the project by 2030
- Nearly 97,000 employees currently within ½ mi
 - Over 20k new employees due to the project by 2030
- Estimated 6:1 ROI – the ratio of private development along the route due to the public investment
- Over \$45M annual property and sales tax revenue for City of Austin from the project corridor

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Urban Rail “Layer” System Concept

- Identification of Central Corridor LPA informs definition of Urban Rail “Layer” of Project Connect Vision
- Next steps include Urban Rail system concept development and additional



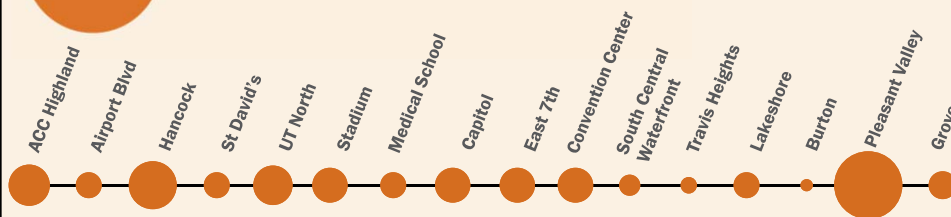
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Capital Costs

Capital Cost Category	Estimated Cost (2020 Year of Expenditure)
Construction	\$730 M
Vehicles	\$40 M
Right-of-Way	\$40 M
Professional services	\$240 M
Total contingencies	\$330 M
Total	\$1.38 B

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Ridership

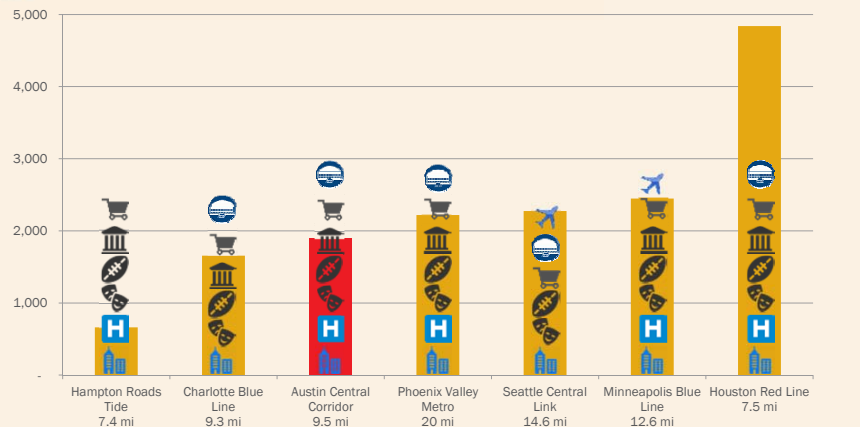


- 16,000 – 20,000 Average daily boardings
 - 6,100 – 8,300 Cars taken off the road each day
- Pleasant Valley represents nearly 18% of all station activity
- Highland is a strong commuter station, but under-represented
- Strong balance between north and south
 - AM peak is stronger in the NB direction
 - Even distribution of passengers in downtown and at UT
- Off-peak ridership (25% of daily)
 - Indicates strong all-day demand

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LRT Ridership Comparison

Ridership per mile



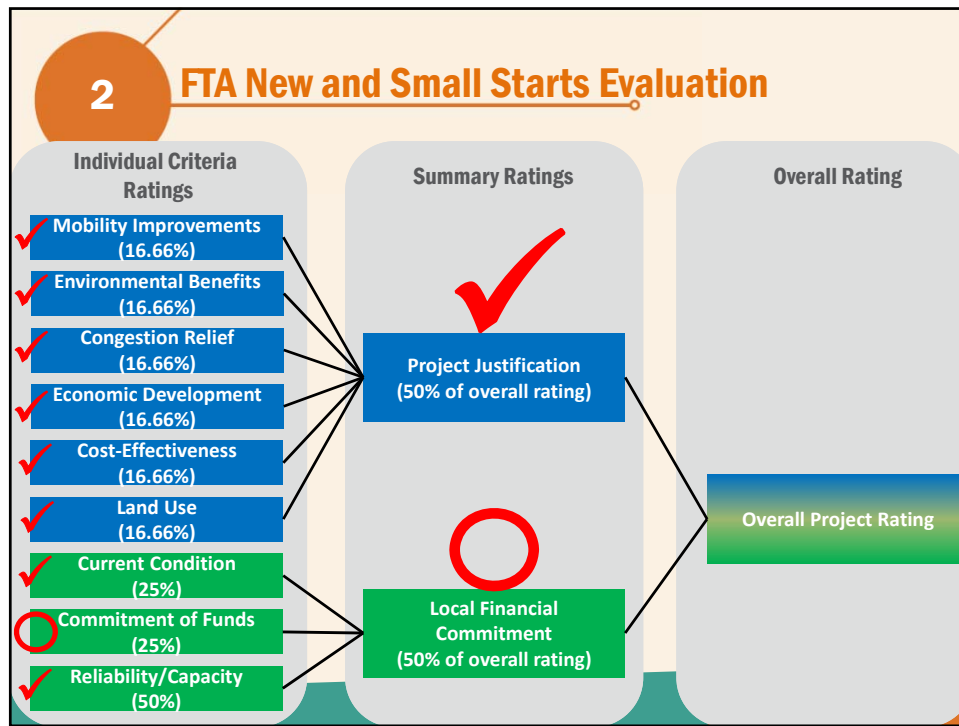
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Project Influence on Economic Development

Potential Economic Impact of Recommended LPA on corridor	Low Estimate	High Estimate
Total Population	14,400	17,700
Total Employment	14,700	26,800
2030 Annual Property Tax Revenue*	\$ 31,600,000	\$ 44,400,000
2030 Annual Sales Tax Revenue*	\$ 5,900,000	\$ 10,800,000
Total 2030 Annual Tax Revenue*	\$ 37,500,000	\$ 55,200,000
New Building Value	\$6,300,000,000	\$9,100,000,000
ROI on recommended LPA - ratio of private development along the route due to the public investment	5:1	7:1

*City of Austin only

Source: UT School of Architecture Center for Sustainable Design



4

May 16th CCAG Topics

- Phasing Options
- Project Recommendation
- Funding Approach
- Governance Approach
- System Connectivity



4

Upcoming Activities

- SpeakUpAustin discussions
- Webinars
- 6 to 8 Public Open Houses
- Stakeholder Briefings
- Social Media engagement
- Televised Town Hall
- Presence at various community events and festivals

THANK YOU

More Information:

**Project Connect &
Central Corridor HCT Study**
projectconnect.com

