



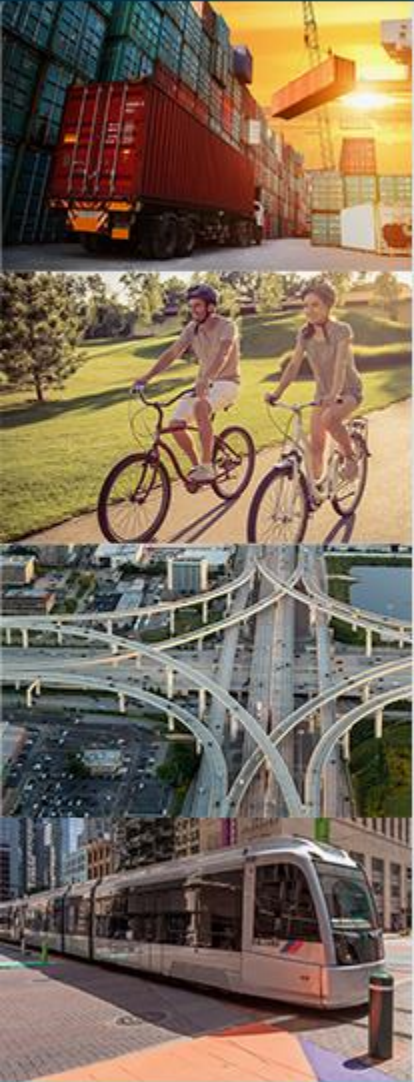
High Capacity Transit Task Force



Technical Advisory Committee
April 18, 2018



Task Force Background



- Created by TPC in Spring 2017
- Identify extent to which high capacity transit is needed to support economic growth, mobility and quality of life
- Build a “Business Case” for investment in HCT
- Identify funding options
- Complete “findings and recommendations” report by August 2018

Task Force Structure



H-GAC Staff Support

Alan Clark
Thomas Gray
Lydia Abebe

Consultant Support Texas Southern University

Phoenix Infrastructure
Group

HCT Task Force
Chair – Rusty Senac
Vice Chair – Amanda Edwards
Vice Chair – Carrin Patman

**Transportation
Policy Council**

Economic Impact Analysis
Workgroup

High Capacity Transit Concepts
Workgroup

Funding Opportunities
Workgroup

Task Force Workgroups












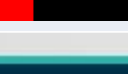


- **Economic Impact:** What are the potential costs and benefits?
- **Funding Opportunities:** What potential funding and financing mechanisms are available?
- **Service Concepts:** Based on our travel needs, what services are needed, where and at what level of service?

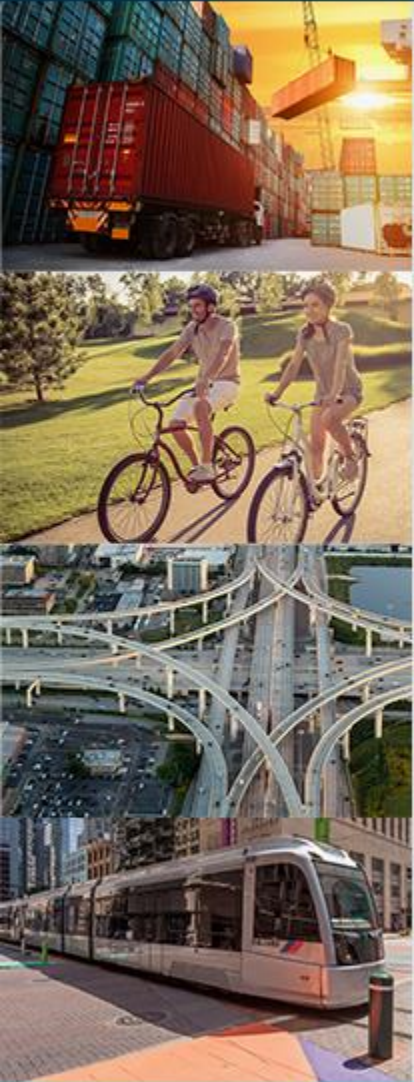
What can we learn from others?

Example Regions Surveyed



Country	City or Region	Economic Impact	Service Concepts	Innovative Funding
	Atlanta	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Austin		<input checked="" type="checkbox"/>	
	Cleveland	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Dallas/Fort Worth	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Denver	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
	Los Angeles		<input checked="" type="checkbox"/>	
	Miami		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Seattle	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
	Washington, DC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Ottawa			<input checked="" type="checkbox"/>
	Vancouver		<input checked="" type="checkbox"/>	
	Dubai		<input checked="" type="checkbox"/>	

Economic Impact Workgroup Progress



- Methodologies for Evaluating Economic Impact
- Economic Impact Criteria for:
 - Individuals
 - Businesses
 - Communities
- Economic Impact of HCT Projects from Example Regions

Innovative Finance Workgroup Products



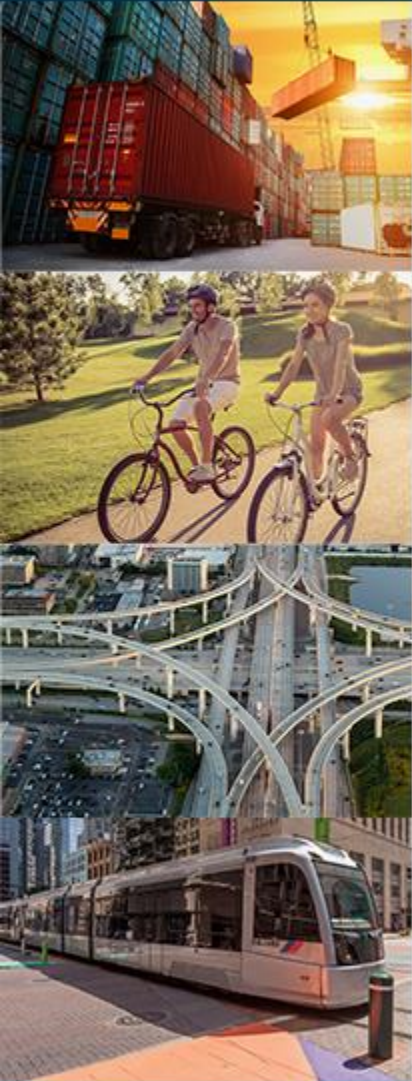
- List of Financing Tools
 - Traditional Tools
 - Alternative/Innovative Tools
 - Difference between **Funding** and **Financing** Tools
- Financing Tools Used for HCT Projects from Example Regions
- Regional Governance Models

Service Concepts Workgroup Products



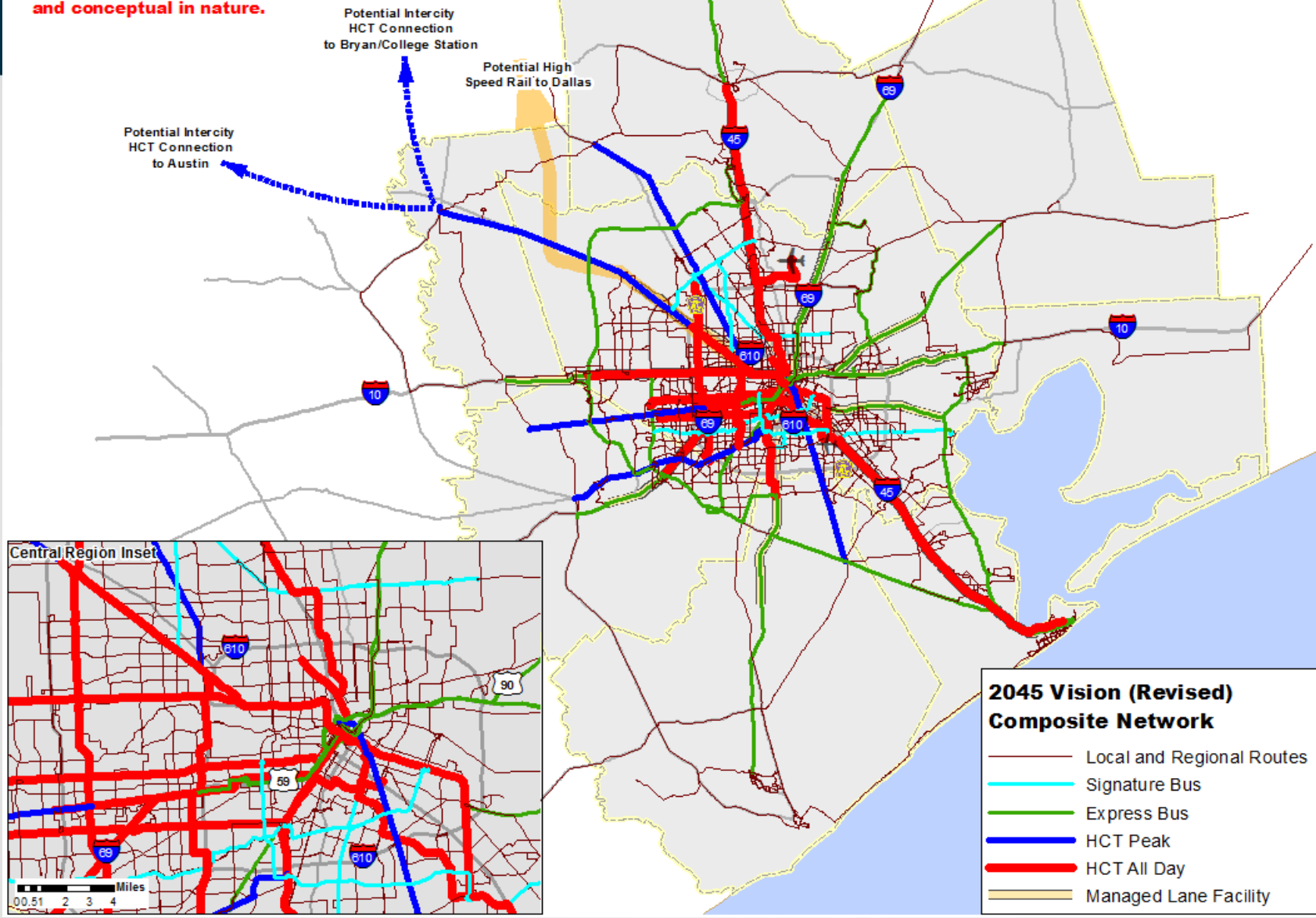
- Service Concepts:
 - Classifications
 - Operational Characteristics
- Service Concepts of HCT Projects in Example Regions
- Evaluation Criteria
- Guiding Principles
- 2045 High Capacity Network

Vision

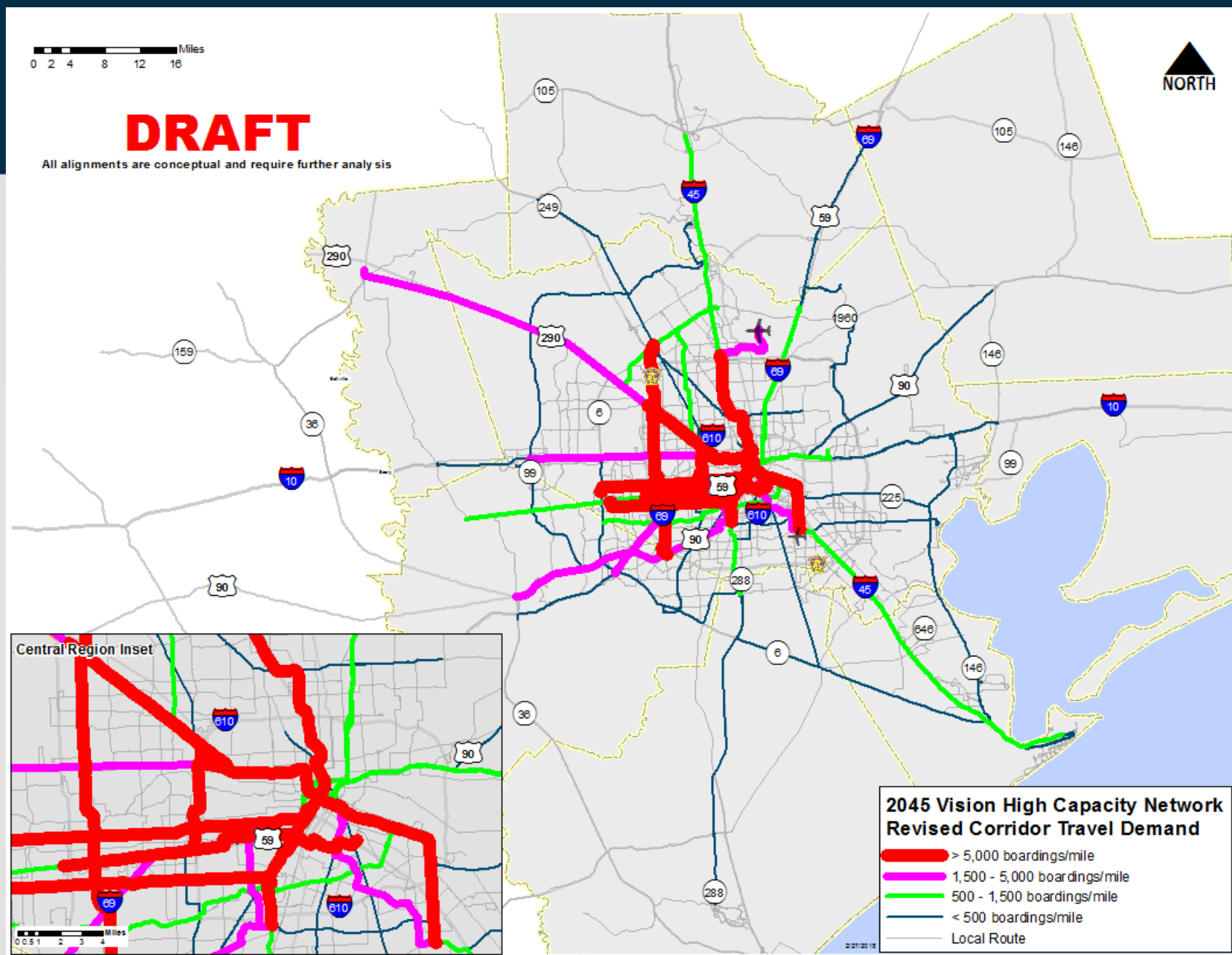


0 2.5 5 10 15 20 Miles

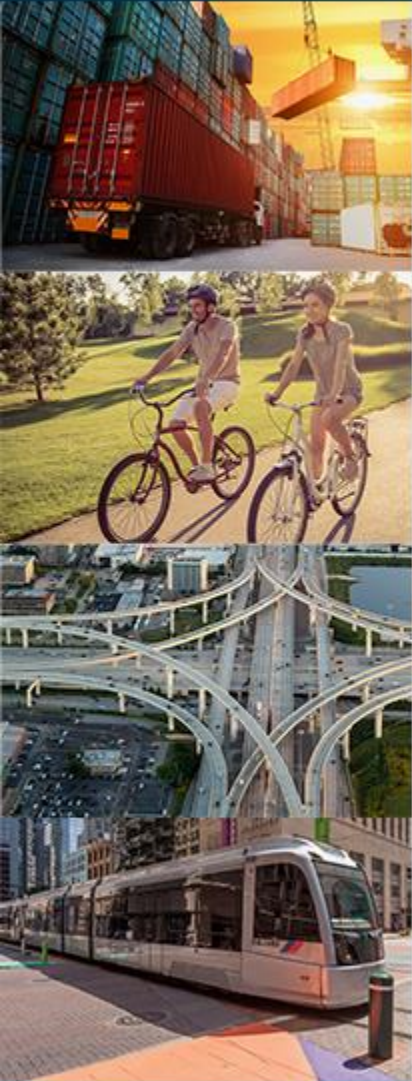
NOTE: alignments are illustrative and conceptual in nature.



Demand



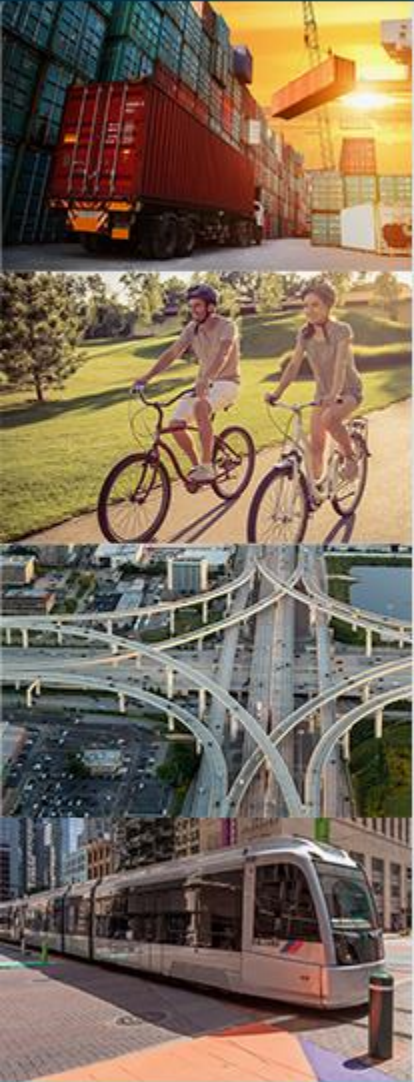
Model Results Comparison Table



	Current/Existing*	2040 RTP	2045 Vision (v1.1)
Number of Fixed Routes	156	168	259
Miles of HCT Guideway	27.6	125.3	410.3
Annual Transit Demand (Fixed Route Boardings)	87,946,240	219,833,955	758,688,900
Share Local Circulation/Connectivity	68.2%	60.1%	30.2%
Share Regional Commuter/Express	10.7%	8.0%	9.8%
Share Subregional Corridor and Internodal	21.1%	31.9%	60.0%
Annual Passenger Miles (Fixed Route)	525,029,502	1,011,219,635	3,882,673,200
Transit Mode Share (HBW)	2.3%	6.1%	~20%

*2016 National Transit Database, 2012-2016 US Census ACS

Next Steps



- Phase I Deliverable
- Finalize Network Map
- Economic Impact Analysis
- Public Outreach
 - Corridor Focus Groups
- Final Report (August 2018)