

# CENTRAL CORRIDOR HIGH-CAPACITY TRANSIT STUDY

## Step 3: Sub-Corridor Evaluation Briefing

November 12, 2013

Urban Transportation Commission



# 1

## Agenda

- 1) Work Plan & Schedule
- 2) Public Involvement Update
- 3) Sub-Corridor Evaluation
- 4) Next Steps



# 1

## Work Plan & Schedule

### Decision-Making Process

- Phase 1: Select Priority Sub-Corridor

Current  
Progress

				2013						2014							
				1	2	3	4	5	6	7	8	9	10	11	12	13	14
				Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Phase 1 Select Priority Sub-Corridor	Step 1: Kick-Off/Process	Task 1	Work Plan/Decision-Making Process														
	Step 2: Define Sub-Corridors	Task 2	Framework/History														
		Task 3	G&O/Problem Statement														
		Task 4	Methodology/Criteria														
		Task 5	Identify Sub-Corridors														
		Task 6	Define Sub-Corridors														
	Step 3: Select Priority Sub-Corridor	Task 7	Evaluate Sub-Corridors														
		Task 8	Select Priority Sub-Corridor														
		Decision							*								

# 1

## The Road to the Priority Sub-Corridor

### CCAG Meetings

- November 1
  - Present Data (2 of 2)
  - Evaluation Process
  - *Public Comment*
- November 15
  - Evaluation Results
  - Project Team Recommendations
  - *Public Comment*
- December 6
  - *Public Comment*
  - CCAG Selection

### Board & Council Briefings

- December 11
  - Capital Metro Board
- December 12
  - Austin City Council
- TBD
  - Lone Star Board

2

# Public Involvement Update

## 2

### Step 3 Public Involvement

- Three public workshops
  - Norris Conference Center (Anderson Lane) 11/5 —30+ participants
  - Faith United Methodist (South Lamar) 11/6 — 30+ participants
  - St. David's Episcopal (Downtown) 11 /7— 50+ participants
- Webinar 11/6

## 2

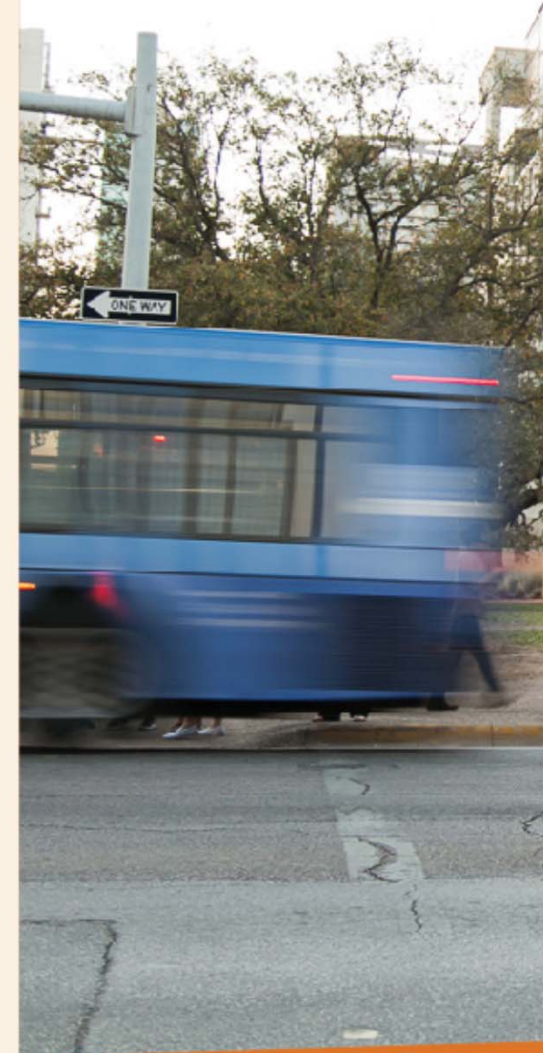
## Step 3 Upcoming Public Engagement

- Online Survey/Evaluation Tool – beta live 11/8
- Stakeholder Group Briefings, including
  - 11/13 Hispanic Advocates Business Leaders of Austin
  - 11/19 UT Student Government Assembly
  - 11/19 Castlewood-Oak Valley Neighborhood Assn (COVNA)
  - 11/20 Downtown Commission
  - 12/4 Alliance for Public Transportation
- Televised Community Conversation – in development

# 3

## Comments

- Comments received via:
  - Social media
  - Email
  - Public meetings
- Listening log published online
- Project team reviews comments as received
- Comment responses as needed





# 3

## Sub-Corridor Summaries

- Snapshots of pertinent information about each sub-corridor

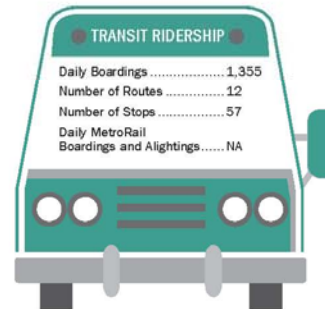
Central Corridor High-Capacity Transit Study

tral Corridor High-Capacity Transit Study

### WEST AUSTIN



System Accessibility	
Zero-Car Households (2010)	5.2%
Population Below Poverty Level (2010)	2.9%
Population over 65 (2010)	5.9%



### FAST FACTS

- Total area: 2.22 square miles
- Ann and Roy Butler Hike and Bike Trail
- Brackenridge Tract (currently UT student housing and Lions Municipal Golf Course) offers opportunity for redevelopment
- Major employers: LCRA, BBVA Compass, Home Away
- Amtrak station, Mopac managed lanes
- High congestion due to lack of non-arterial roads in the sub-corridor

Total Households  
(2010)  
5,191

Total Affordable  
Housing Units  
(2010)  
0

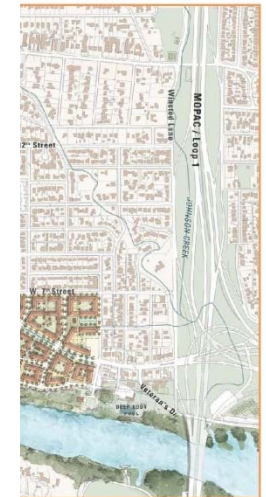
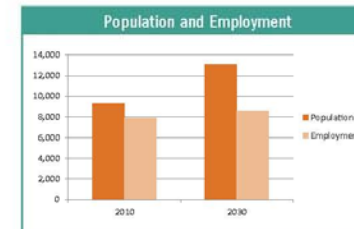


Image Austin Centers	
Image Austin Centers	0
Image Austin Centers	0
Image Austin Corridors	2
Image Austin Corridors	3.37

projectconnect  
central corridor

1

projectconnect  
central corridor

1

projectconnect  
central corridor

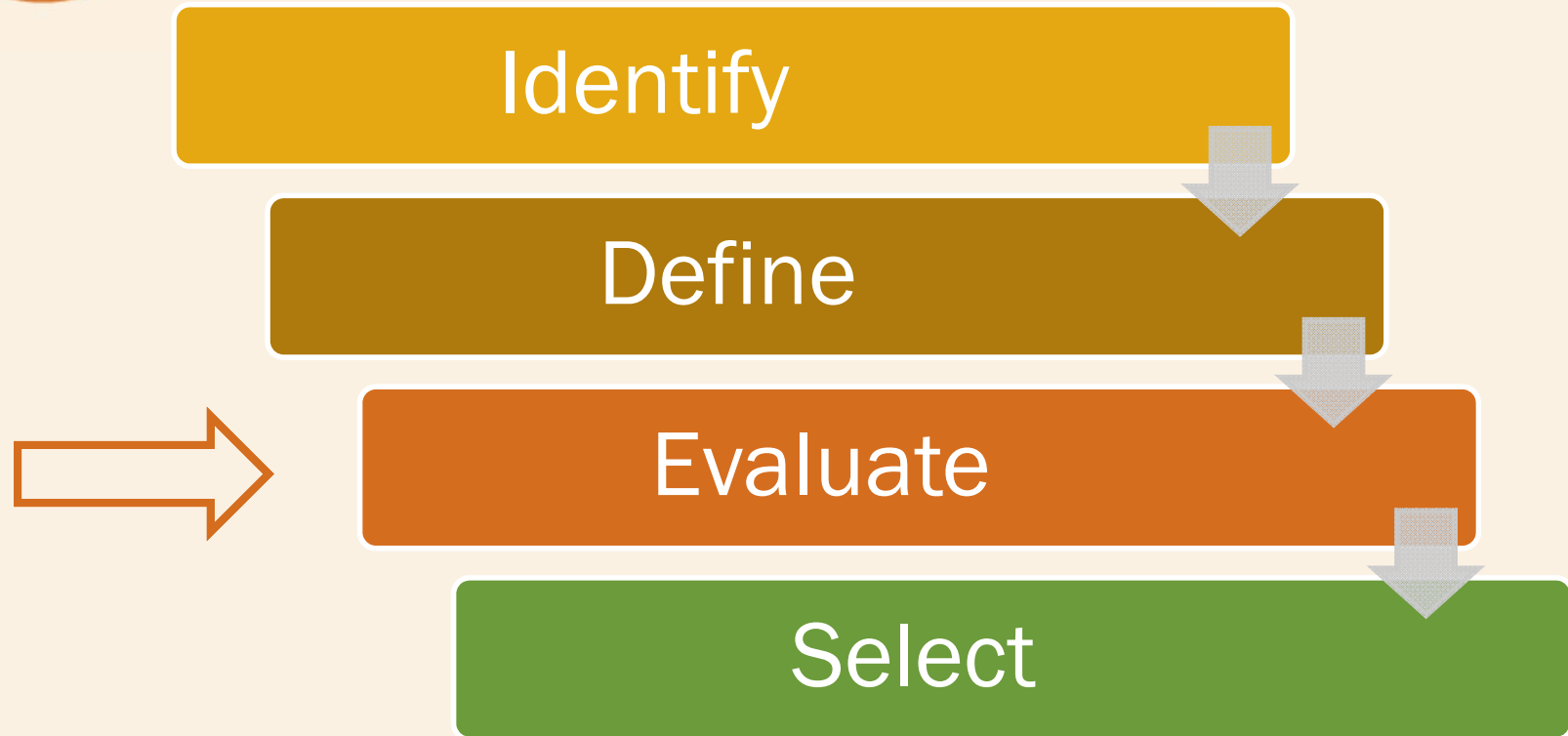
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# Sub-Corridor Evaluation

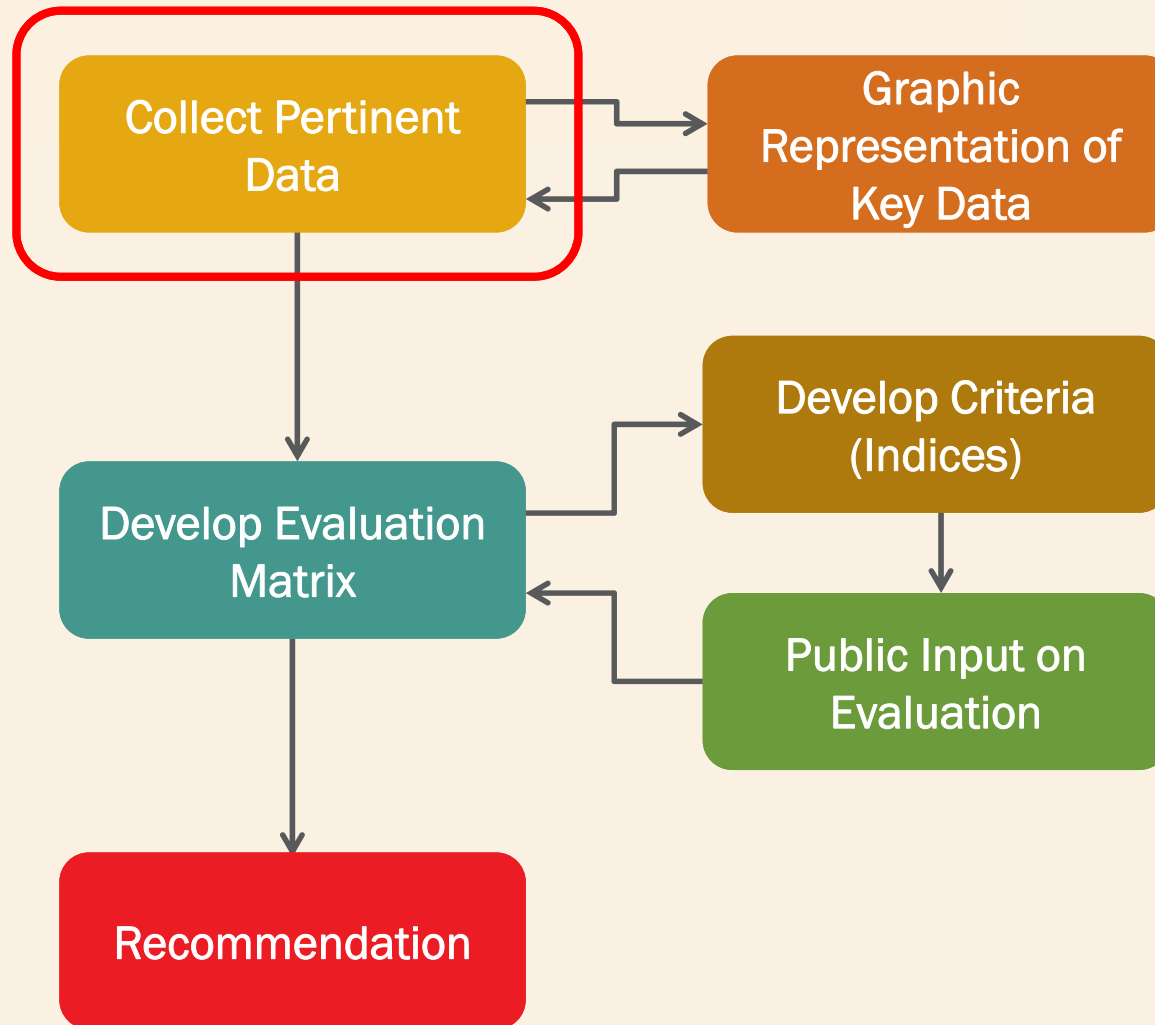
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## Evaluation Process



# 3

## Evaluation Process



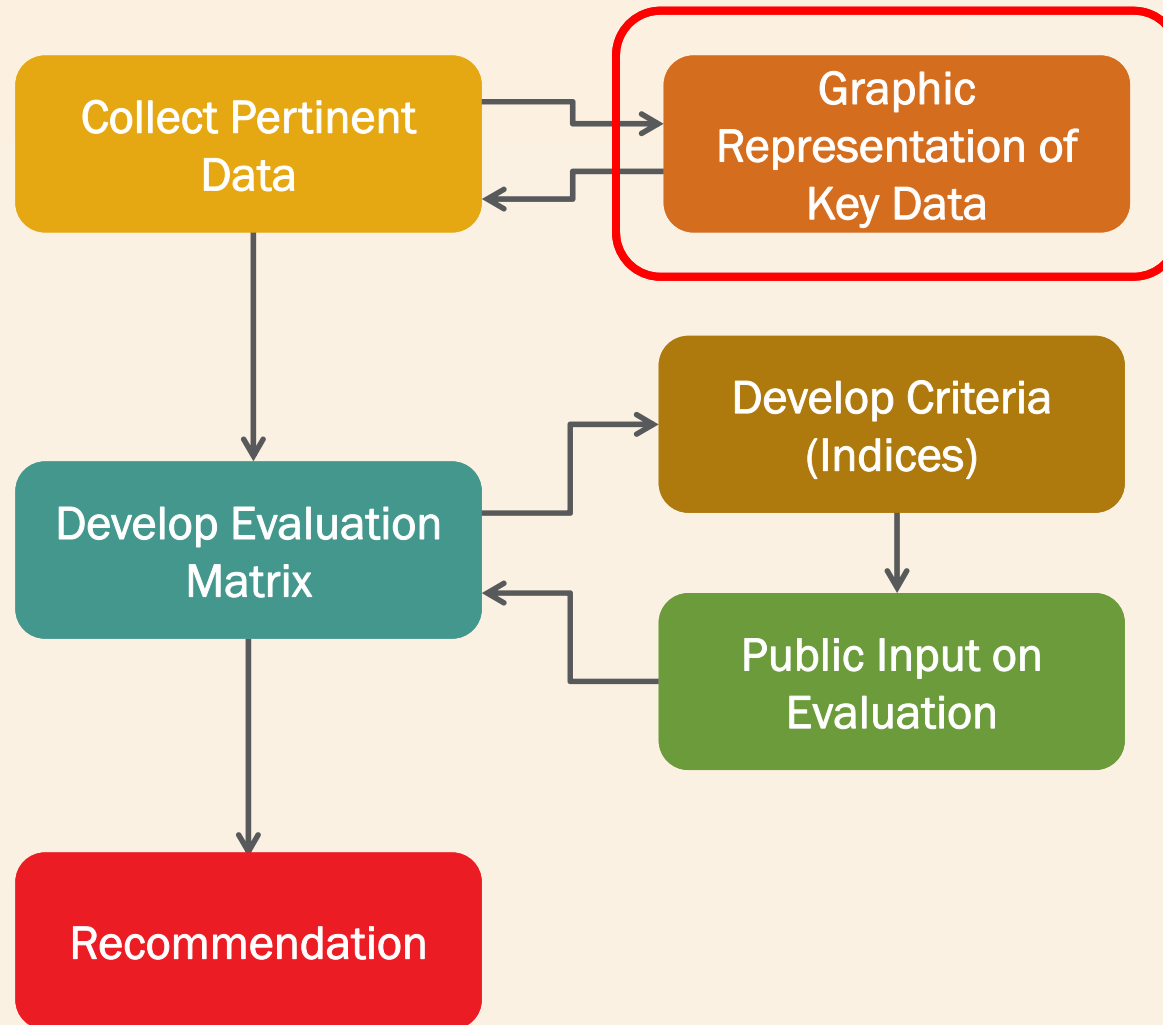
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## Data Collection

- On-going
- Variety of readily available sources
  - Data “focused” on addressing Central Corridor problem statements
- CAMPO Model
  - Licensed non-conforming use
    - Updated demographics

# 3

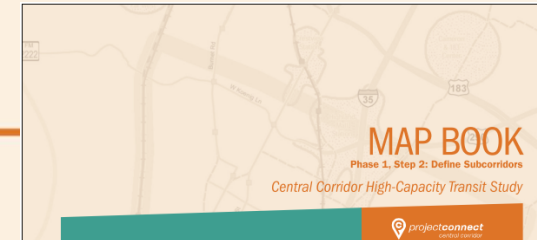
## Evaluation Process



# 3

## Map Book

- ‘Working’ reference
- Used to define sub-corridors
- Foundation for evaluation
- Data table also provided
  - Data Dictionary
  - Quality Control on-going



Central Corridor High-Capacity Transit Study

### EXECUTIVE SUMMARY

This Map Book is a data-driven foundation for the Central Corridor High-Capacity Transit (HCT) study. As shown in the Work Plan below, the first phase of the study will identify and define sub-corridors, eventually resulting in the

**Definition of Sub-Corridor:**  
A defined geographic area with characteristics and facilities serving similar travel patterns.

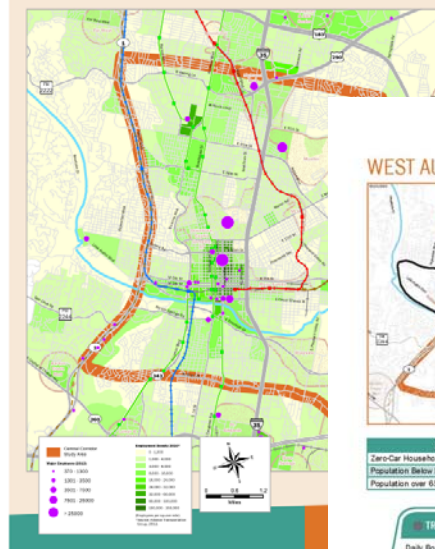
compatible land use and major destinations. As this study advances and new and refined data becomes available, the information in this document will evolve.

The data presented herein was used to identify the problems in the Central Corridor and develop the goals and objectives of the HCT study. This information was evaluated to identify reasonable sub-corridors and define their boundaries according to the definition above. This information will assist in the subsequent comparative evaluation of the sub-corridors.

### WORK PLAN

1. Work Plan/Decision-Making Process
2. Framework/History
3. G&O/Problem Statement
4. Methodology/Criteria
5. Identify Sub-Corridors
6. Define Sub-Corridors

### EMPLOYMENT DENSITY 2010 WITH MAJOR EMPLOYERS A



### WEST AUSTIN



### FAST FACTS

- Total area: 2.22 square miles
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- Blackberry Trail (University of Austin housing and Lane Municipal Golf Course) offers opportunity for redevelopment
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- High congestion due to lack of non-arterial route in the sub-corridor

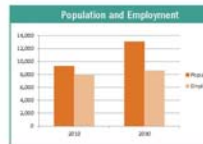
Total Households (2010)

6,181

Total Affordable Housing Units (2010)

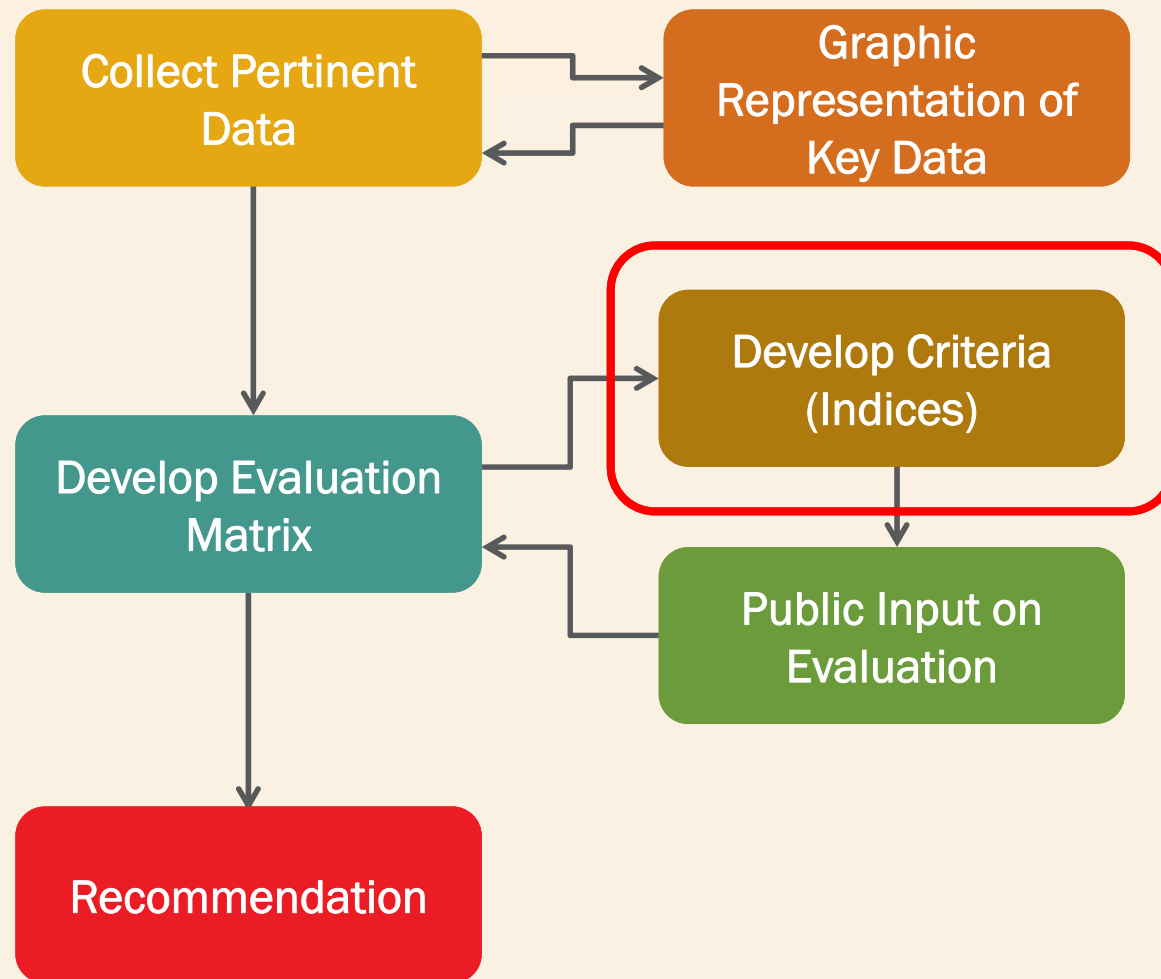
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System Accessibility	
Zero-Car Households (2010)	0.2%
Population Below Poverty Level (2010)	2.9%
Population over 65 (2010)	5.9%



# 3

## Evaluation Process





# 3

## Evaluation Criteria Refinement

- Criteria have evolved
- Started with broad categories
  - Socioeconomic
  - Transportation
  - Centers
  - Social Equity
  - Other
- Sought input from public at open houses

# 3

## Evaluation Criteria Refinement

- Developed more detailed criteria
  - Using data
- Transitioned to index-based approach
  - What is an index?
    - Combination of data/measures to create a composite score
  - Benefits of indices
    - Measures that go together are scored together
    - Allow weighting factors to be applied

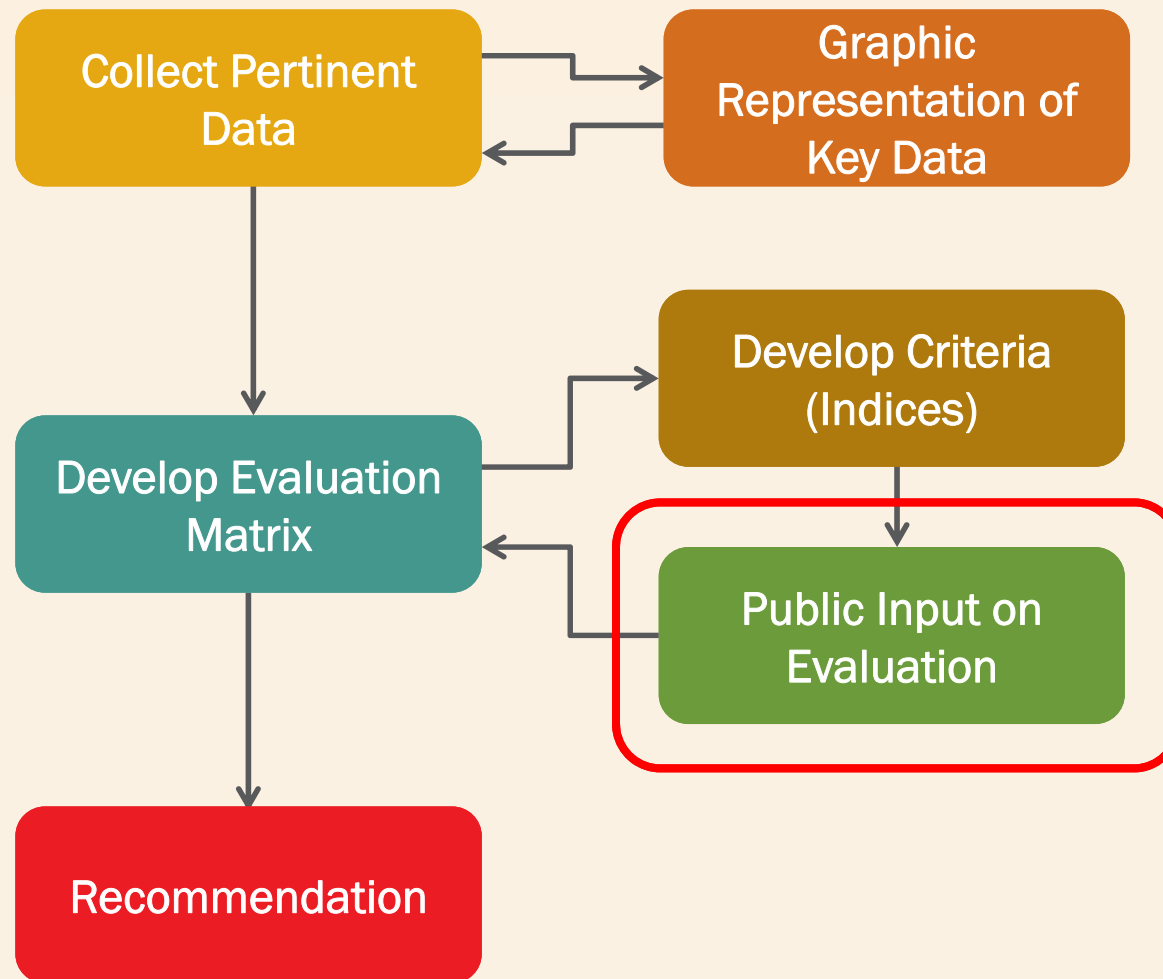
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## Evaluation Criteria Guide – SAMPLE

PROBLEMS	CRITERIA	MEASURES
System	Ridership Potential	Transit Orientation Index
	Connectivity Index	Complementary HCT Connections (number of stops)
		Competitive HCT Overlap (number of stops)
		Bus Route-Miles per lane mile
		Pedestrian and Bike Connectivity
	Transit Demand Index	Transit Orientation Index 2010
		Existing Ridership - (avg. daily boardings per square mile)
		Percent Poverty
		Percent Zero-car Households
		Percent Population Over 65
Core	Affordability Index	Household Transportation Costs
		Percent Poverty
		Percent Zero-car Households
		Percent Population Over 65
	Economic Development Index	Increase in Jobs (per square mile)
		Increase in Wages (per employee)
		Net Revenue (per square mile)
	Centers Index	Percent Area <i>Imagine Austin</i> Regional Centers
		Percent Area <i>Imagine Austin</i> Town Centers
		Percent Length of <i>Imagine Austin</i> Corridors

# 3

## Evaluation Process



## 3

## Public Input on Final Criteria

### Congestion

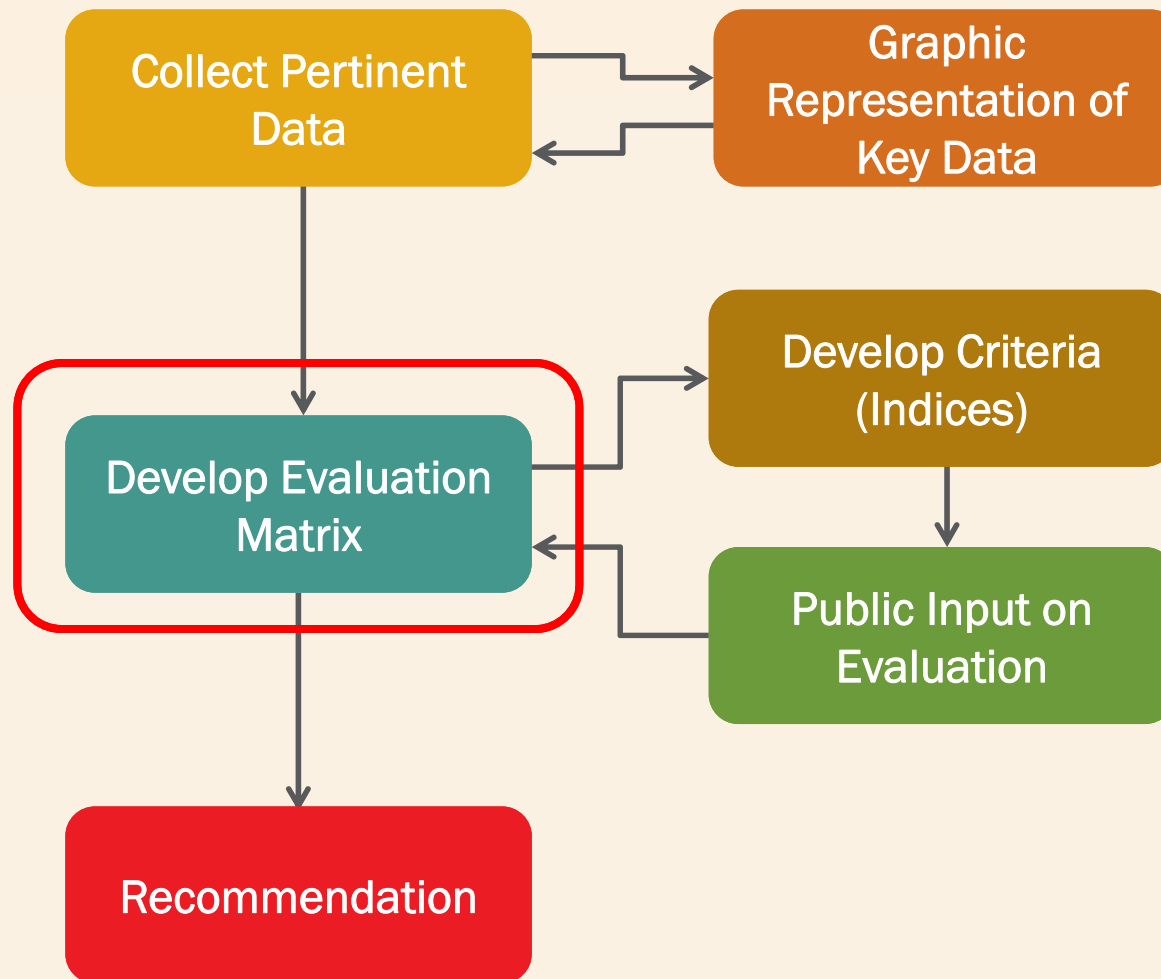
*Problem: Excessive roadway congestion surrounding the core and lack of transportation alternatives make travel time to the Central Corridor unreliable.*

- Congestion Index – How congested is this sub-corridor?
- Travel Demand Index – How demand for travel is there from, within and through this sub-corridor?

	Unimportant		Moderately Important		Very Important
Congestion Index	1	2	3	4	5
Demand Index	1	2	3	4	5

# 3

## Evaluation Process



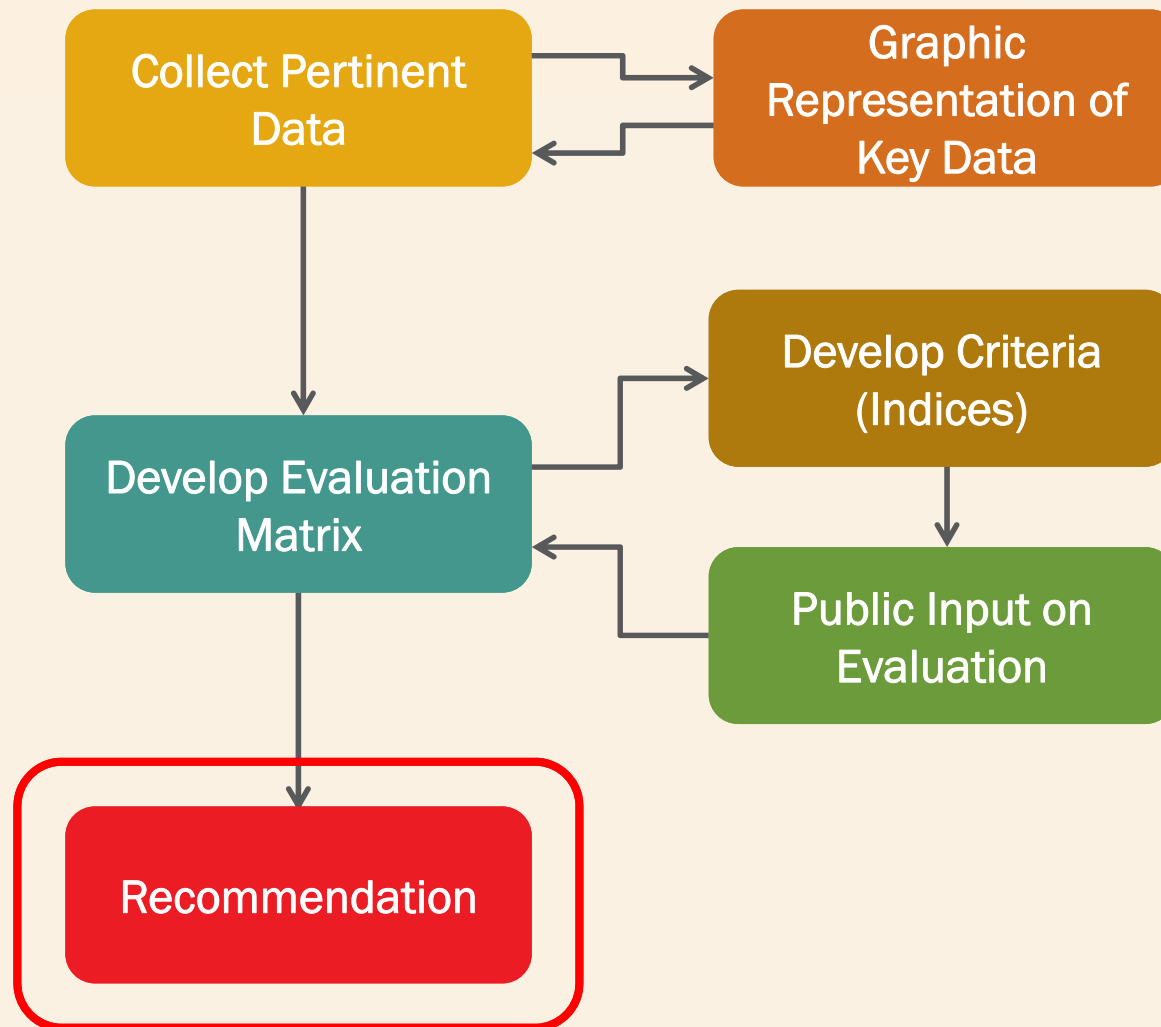
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## Evaluation Matrix

Sub-Corridor Results		"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"
Rank		6	8	5	1	4	9	3	2	7	10
Score		0.44	0.35	0.46	0.64	0.48	0.34	0.49	0.61	0.37	0.24
Importance Rating (Choose 1 per Index)		Highly Disagree					Highly Agree				
Problem Statement	Congestion	0.19	0.12	0.10	0.23	0.15	0.08	0.11	0.20	0.14	0.10
	Reliability					x					
	Congestion Index	0.36	0.29	0.07	0.36	0.33	0.24	0.16	0.37	0.10	0.14
	Travel Demand Index	0.23	0.08	0.25	0.14	0.11	0.00	0.19	0.28	0.34	0.18
	Constraints & Growth	0.07	0.03	0.10	0.11	0.09	0.07	0.09	0.09	0.05	0.02
	Growth Index	0.08	0.08	0.08	0.38	0.25	0.10	0.27	0.38	0.24	0.12
	Constraint Index	0.50	0.18	0.56	0.50	0.50	0.42	0.42	0.32	0.16	-
	Regional Core Vitality	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.02	0.02	0.01
	Affordability Index	0.04	0.10	0.06	0.10	0.16	0.28	0.33	0.14	0.14	0.05
	Economic Development Index	-	-	-	-	-	-	-	-	-	-
	Strong Centers	0.03	0.04	0.07	0.06	0.08	0.08	0.10	0.07	0.06	0.03
	Centers Index	0.12	0.09	0.21	0.29	0.31	0.29	0.34	0.45	0.30	0.24
	Problem Statement										
	Evaluation Criteria										

# 3

## Evaluation Process





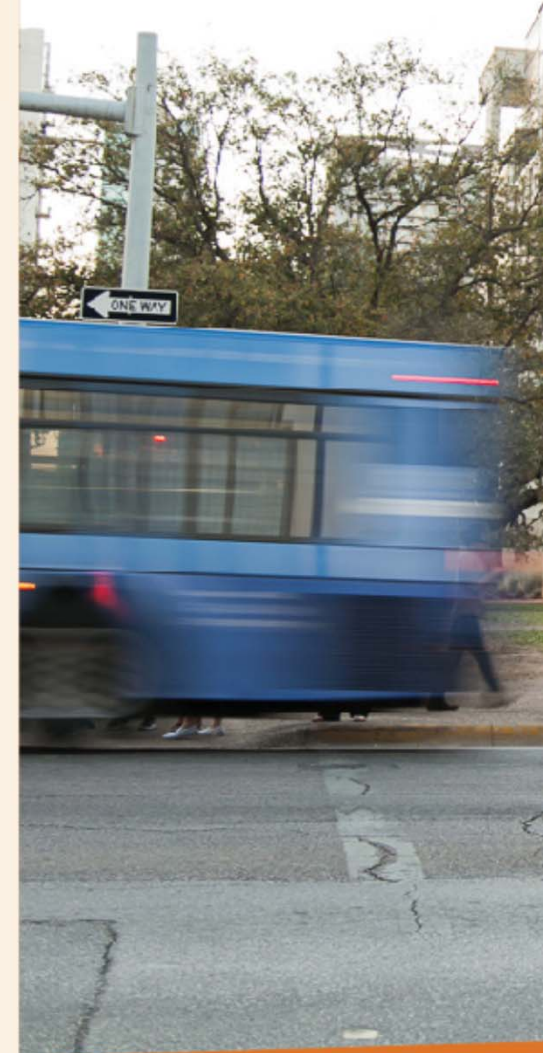
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## Next Steps

# 4

## Next Steps

- Finalize evaluation
  - Analyze, compare, check sensitivity
- Prepare recommendation
- Begin priority sub-corridor selection



# 4

## The Road to the Priority Sub-Corridor

### CCAG Meetings

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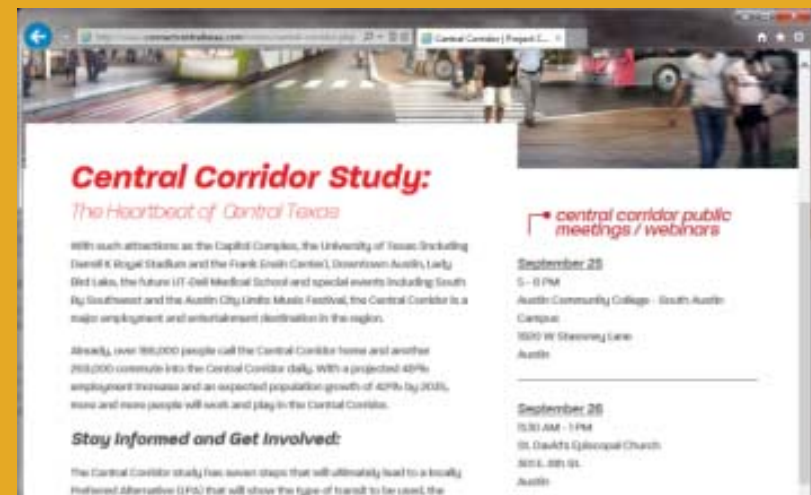
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# THANK YOU

More Information:

Project Connect &  
Central Corridor HCT Study

[projectconnect.com](http://projectconnect.com)



**projectconnect**  
central corridor