



Design Commission

10.23.2023

AUSTIN
TRANSIT
PARTNERSHIP

AUSTIN LIGHT RAIL IMPLEMENTATION PLAN

LEGEND

- AUSTIN LIGHT RAIL PHASE I
- AUSTIN LIGHT RAIL PHASE I PRIORITY EXTENSION
- FUTURE AUSTIN LIGHT RAIL
- MAJOR TRANSFER POINT
- PARK & RIDE



9.8 MILES OF NEW LIGHT RAIL

15 LIGHT RAIL STATIONS

TRANSIT CONNECTIONS

- METRORAPID
- HIGH FREQUENCY BUS
- RED LINE
- PROPOSED GREEN LINE

ESTIMATED TRAVEL TIME

23 MINS 38TH - OLTORF

31 MINS 38TH - YELLOW JACKET

ESTIMATED AVG. # OF DAILY RIDERS SERVED (2040)

28,500

20,000+ AFFORDABLE HOUSING UNITS SERVED (SUBSIDIZED)

ACCESS TO

136,000+ CURRENT JOBS

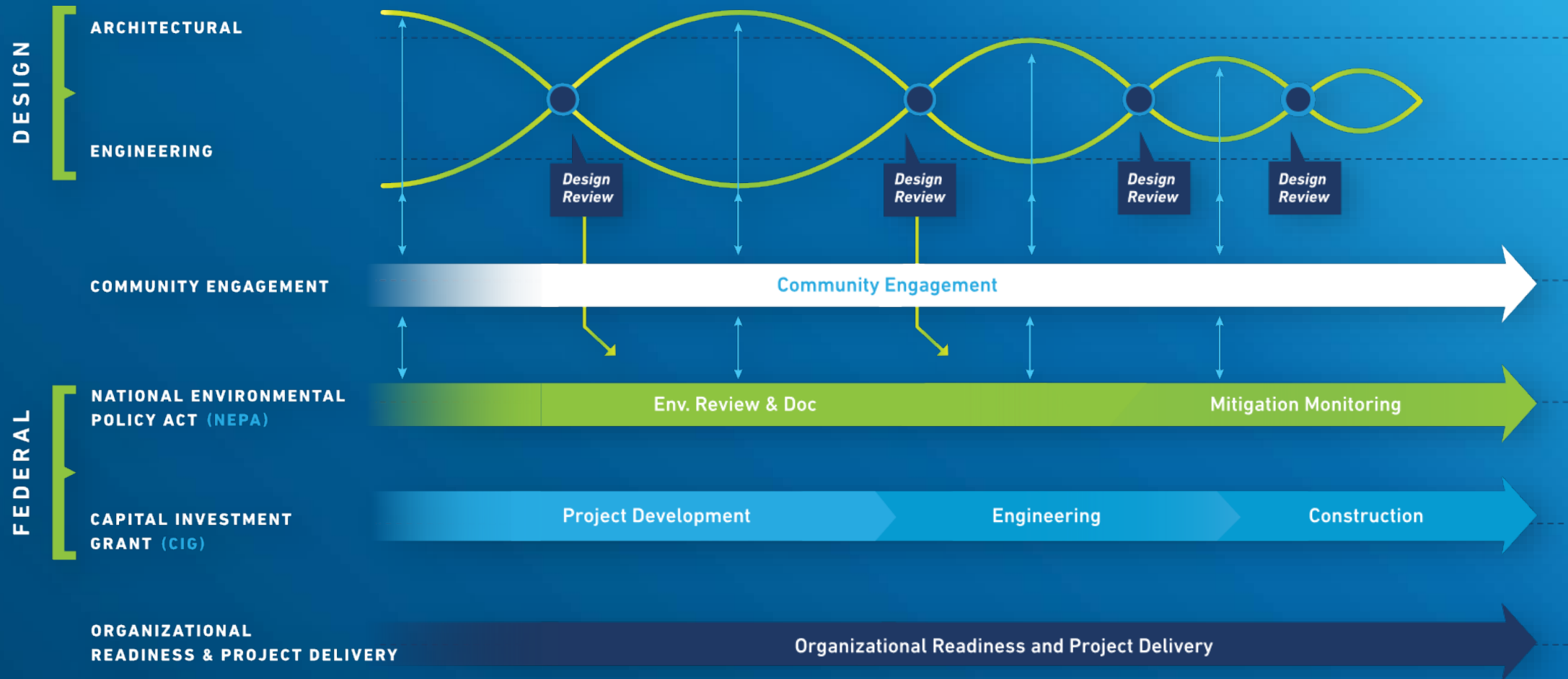
200,000+ FUTURE JOBS

ANTICIPATED CAPITAL COST (CURRENT DOLLARS)

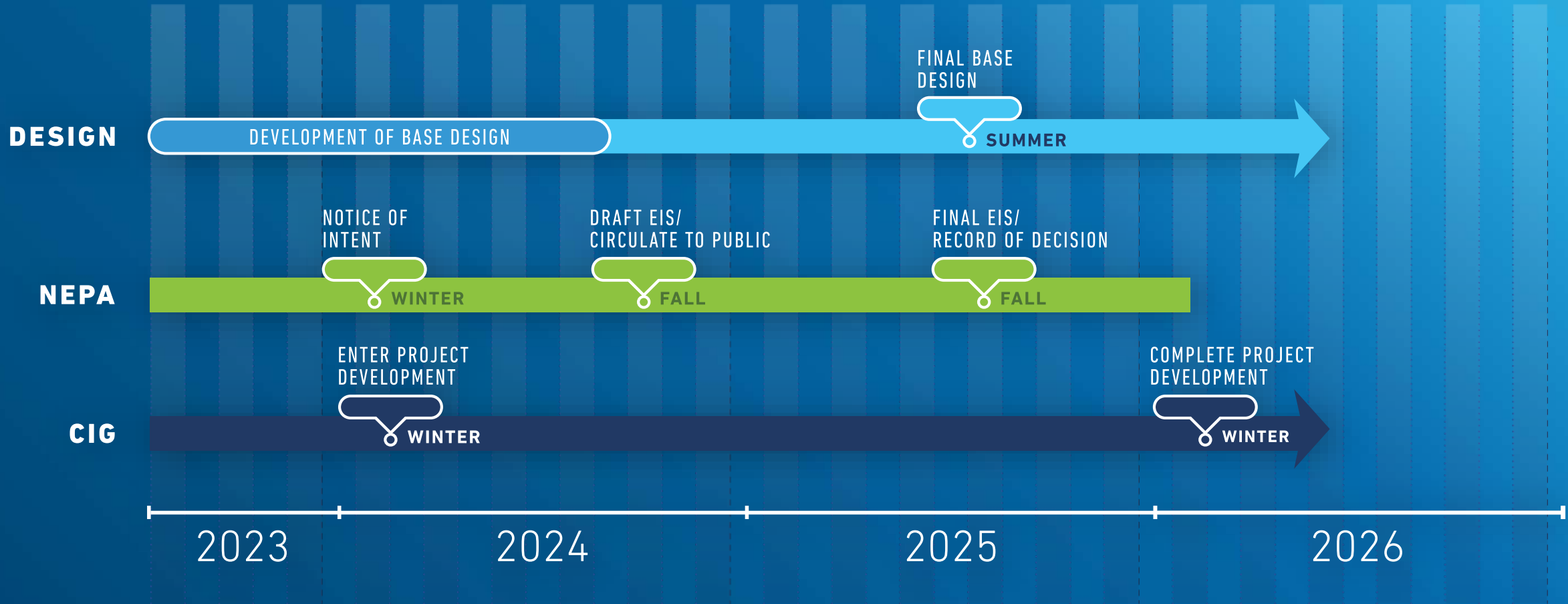
\$4.5-\$4.8B LOCAL AND FEDERAL DOLLARS



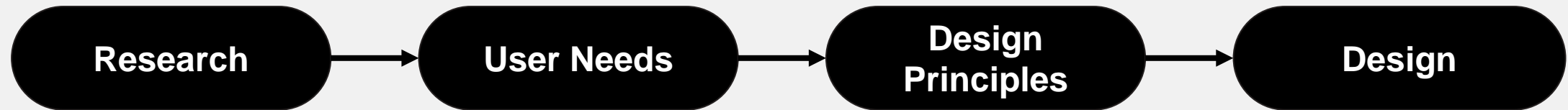
Program Implementation & Integrated Approach Work Efforts



Program Implementation & Integrated Approach Work Efforts



How do we create a human centered design?



Local Context Research

Urban Form

Report Overview - Austin Urban Form
Urban Form Studies
A comprehensive study of the built environment across the Austin location.

Process of Investigation

- Identification of topics
- Station specific Urban Form Studies
- Emerging insights

Prepared by HUG

Map of Austin showing urban form studies with color-coded areas.

Visuals of various urban forms and building styles.

Culture/History

Report Overview - Austin Urban Form
Culture
The history and culture of the Austin location.

Visuals of historical buildings and cultural landmarks, including the Texas State Capitol.

Map of Austin showing cultural and historical sites.

Landscape

Report Overview - Austin Urban Form
Place: Landscape
Landscape is the cumulative frame of spatiality. It can be defined as the visible elements of the environment, including the built environment, natural environment, and the human environment.

Visuals of a city skyline and a landscape map.

3D architectural rendering of a transit station integrated with the landscape.

Sustainability

Report Overview - Austin Urban Form
Environmental Factors, Climatic Trends + Design Responses
Setting a national standard for green transit station operations.

Visuals of a city skyline and a sustainability map.

3D architectural rendering of a transit station with sustainable design features.

Materials

Visuals of various material samples and a Venn diagram showing the intersection of Local Materials, Regional Resources, and Global Influence.

3D architectural rendering of a transit station with material samples.

Wayfinding

Report Overview - Austin Urban Form
Strategy for Design & Implementation Wayfinding

Visuals of a transit station with wayfinding elements and a diagram showing the flow of information from spatial needs to implementation.

Wayfinding strategy diagram showing the flow of information from spatial needs to implementation.

Site + User Research

“human-centered” means designing for how people *actually* behave



Site + User Research



**Mapping User
Mobility Patterns**



**Public Realm
Analysis**



**Cognitive Mapping
of the Transit
Experience**



**Vision Workshops +
Engagements on the
Go**

Mapping User Mobility Patterns



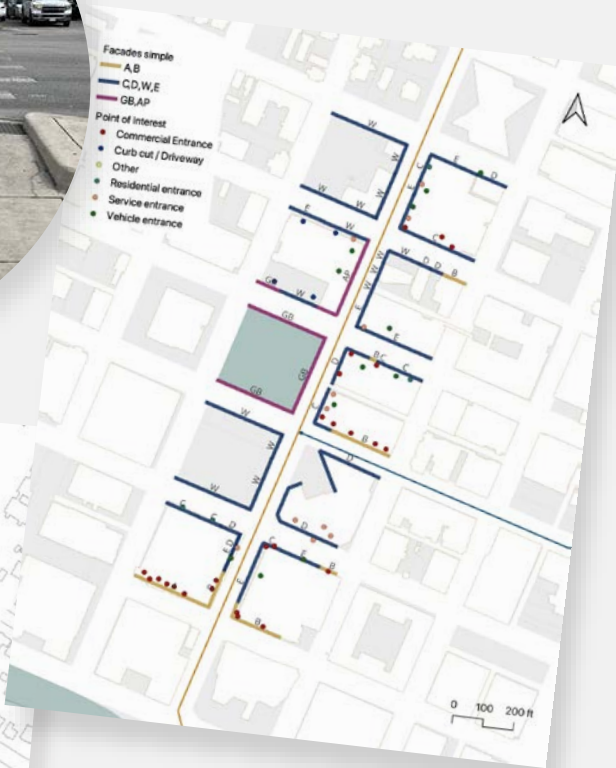
- Tools Used:
1. Gehl Public Life app
 2. Gehl Eye Level City App
 3. Printed maps, pen, paper

Public Realm Analysis



ATP - Place Analysis - Elements

Place Element Map



Tools Used:

1. Gehl Public Life app
2. Gehl Sidewalk and Facade Quality app
3. NIOSH Sound Level Meter
4. Light Meter LM-3000

Cognitive Mapping of the Transit Experience



participant's eye-tracking & sound

physiological data (heart rate, skin conductance response, step count, body temperature)

GPS location

shadower's video & observations

post interview

Workshops, Focus Groups + Engagement on the Go



Engagements on the Go

Blind & Low Vision

June 21, led by Scott Meyer, Texas Department of Assistive and Rehabilitative Services

Safe Routes to School

June 23, led by Coleen Gentles, Safe Routes to School

Focus Groups

Deaf & Hard of Hearing

June 22, led by Stacy Landry, Travis County Services for Deaf and Hard of Hearing

CapMetro Art Program & Artist

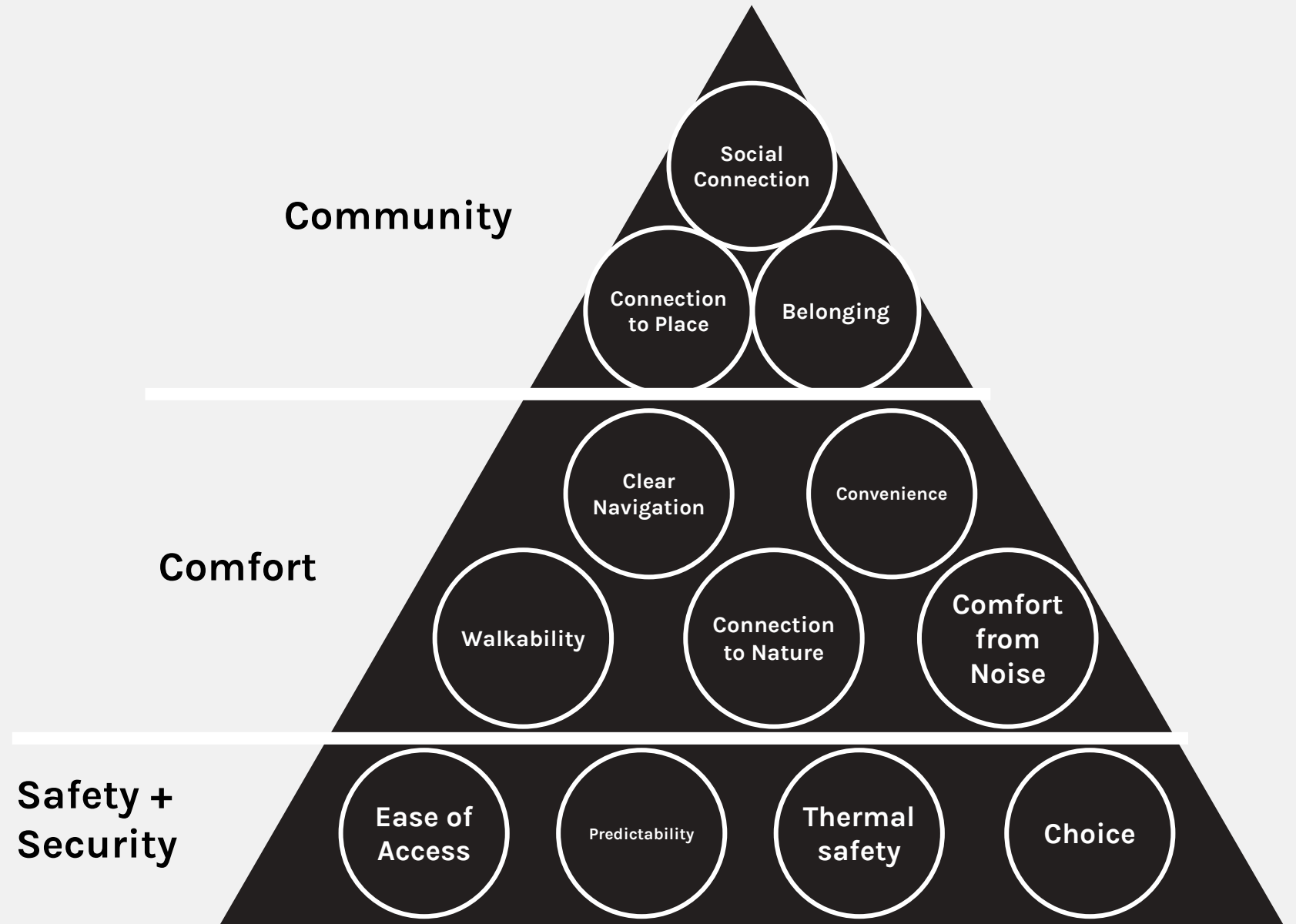
June 22 led by Melissa Ortiz and J Muzazc (McKalla Station Artist)

Vision Workshops

Reps from The City of Austin, Austin Downtown Alliance, CapMetro, ATP EAC, ATP PSEC, ATP Board, CAC, SWSG

10.23.2023

Priority User Needs



How do we ensure these user needs and our design principles resonate with Austinites?

Community Engagement
Fall 2023



Workshops

Facilitated conversations with interactive exercises to discuss topics that will inform design



Experience based Engagement

Leveraging community partnerships to expand reach to more communities and connect with people in more creative and engaging ways



Digital Tools

Engaging people in new ways to increase reach and inspire new riders



THANK YOU

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