MOBILITY HUB PLANNING & IMPLEMENTATION GUIDEBOOK

Meredith Klekotka
MPTA Conference
October 26, 2022

What are Mobility Hubs?

Places where people can connect with multiple modes of transportation in a safe, comfortable, and accessible environment, facilitating convenient and reliable travel.

DIVERSE MOBILITY OPTIONS

CLUSTERS OF COMMUNITY AMENITIES

ROBUST INFORMATION

ACCESSIBLE AND INCLUSIVE SPACES

What is the Guidebook?

A comprehensive technical assistance resource with:

- Regional mobility hub typology
- Planning strategies
- Kit of parts menu selection
- Design considerations
- Implementation strategies
- Management techniques
- Project list
- Available on Met Council website: https://metrocouncil.org/Transportation/Performance/Emerging-Trends/Mobility-Hub-Planning-Guide.aspx

THREE MODULES

Module 1: Plan It
Module 1 covers the basics about mobility hubs and how they function in different contexts. This includes key guidance that planners and implementers should know.

Module 2: Design It
Module 2 illustrates context-appropriate specifications for mobility hubs, including mobility services, transportation infrastructure, technology, and place-based elements.
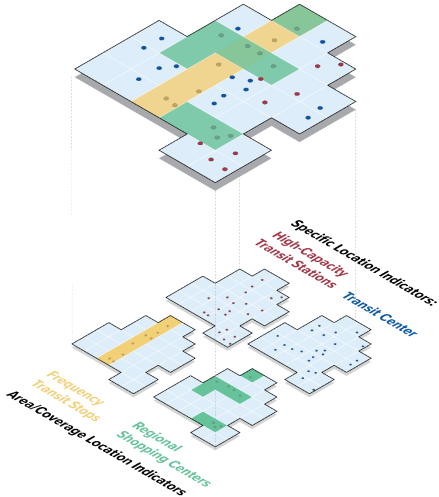
Module 3: Make It Happen
Module 3 documents how to go from a plan to an operating mobility hub.
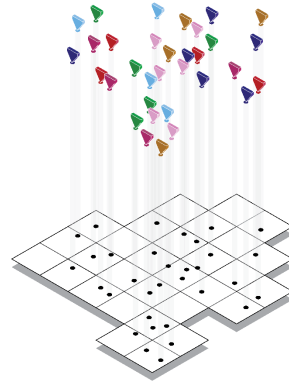
Siting and Prioritizing Hubs
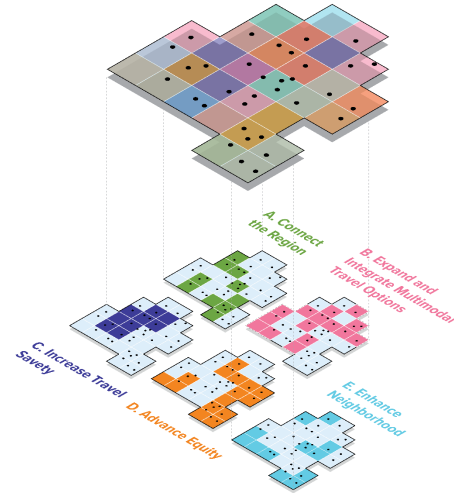

STEP 1

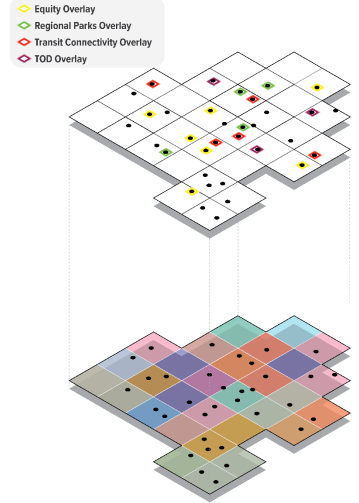ESTABLISH THE UNIVERSE OF HUB CANDIDATES

Specific Location Indicators:
High-Capacity Transit Stations
Transit Center
Frequency Transit Stops
Regional Shopping Centers
Area/Coverage Location Indicators

STEP 2

ASSIGN TYPOLOGY TO HUB CANDIDATES

- Urban Core Hub
- Urban District Hub
- Urban Neighborhood Hub
- Suburban District Hub
- Edge Hub
- Activity Hub
- Mobility Investment Hub

STEP 3

SCORE AND PRIORITIZE HUB CANDIDATES

A. Connect the Region
B. Expand and Integrate Multimodal Travel Options
C. Increase Travel Safety
D. Advance Equity
E. Enhance Neighborhood

STEP 4

CALIBRATE WITH TYPOLOGY OVERLAYS

- Equity Overlay
- Regional Parks Overlay
- Transit Connectivity Overlay
- TOD Overlay

Where are Hubs Planned?

Candidate Hub Type, Regional

Existing High Capacity Transit
- METRO Blue Line
- METRO Green Line
- METRO Red Line
- METRO Orange Line
- METRO A Line
- METRO C Line
- METRO D Line

Future High Capacity Transit
- Gold Line: 2024
- Rush Line
- METRO Blue Line Extension
- METRO Green Line Extension
- Riverview Line (Project in Development)
- B Line: 2024
- E Line: 2025

Hub Type
- Urban Core
- Urban District
- Urban Neighborhood
- Suburban Neighborhood
- Edge
- Activity
- Mobility Investment
- Northstar Commuter Rail
- County boundary

Hundreds of hubs in operation today:

- Started with ~7,000 hub access points
- Clustered to ~400 hub locations
- 50 priority locations

Note: The regional mobility hub locations will be updated periodically to reflect regional growth, transit investment, and ongoing development, among other factors.

5

Module 1: Plan It
Eight structural questions

**WHEN DEVELOPING AND DESIGNING HUBS, HOW MIGHT YOU:**

1. Configure your mobility hub?

2. **Organize and prioritize hub elements at each location?**

3. Implement hubs at different scales?

4. Adapt hubs as neighborhood and mobility conditions change?

5. Center equity in mobility hub planning and design?

6. Establish a branded mobility hub environment?

7. Manage demand at hubs?

8. Measure hub performance and iterate?

Parking for Personal Vehicles

Shared Vehicles
(Carpool, Carshare, TNCs)

Transit Feeder Service,
High Capacity Shuttles, Microtransit

Active Modes (Personal & Shared)

Transit Portal

A conceptual representation of a values-based access hierarchy at a mobility hub.

Module 2: Design it
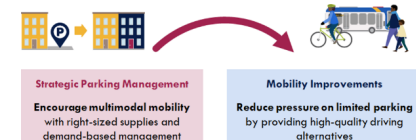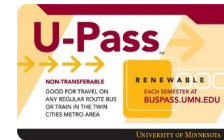# Kit of Parts

Mobility Elements

Place Amenities and Cultural Assets
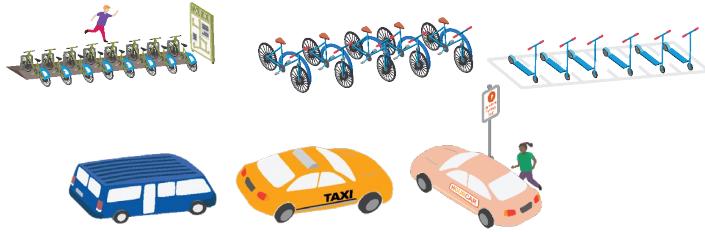
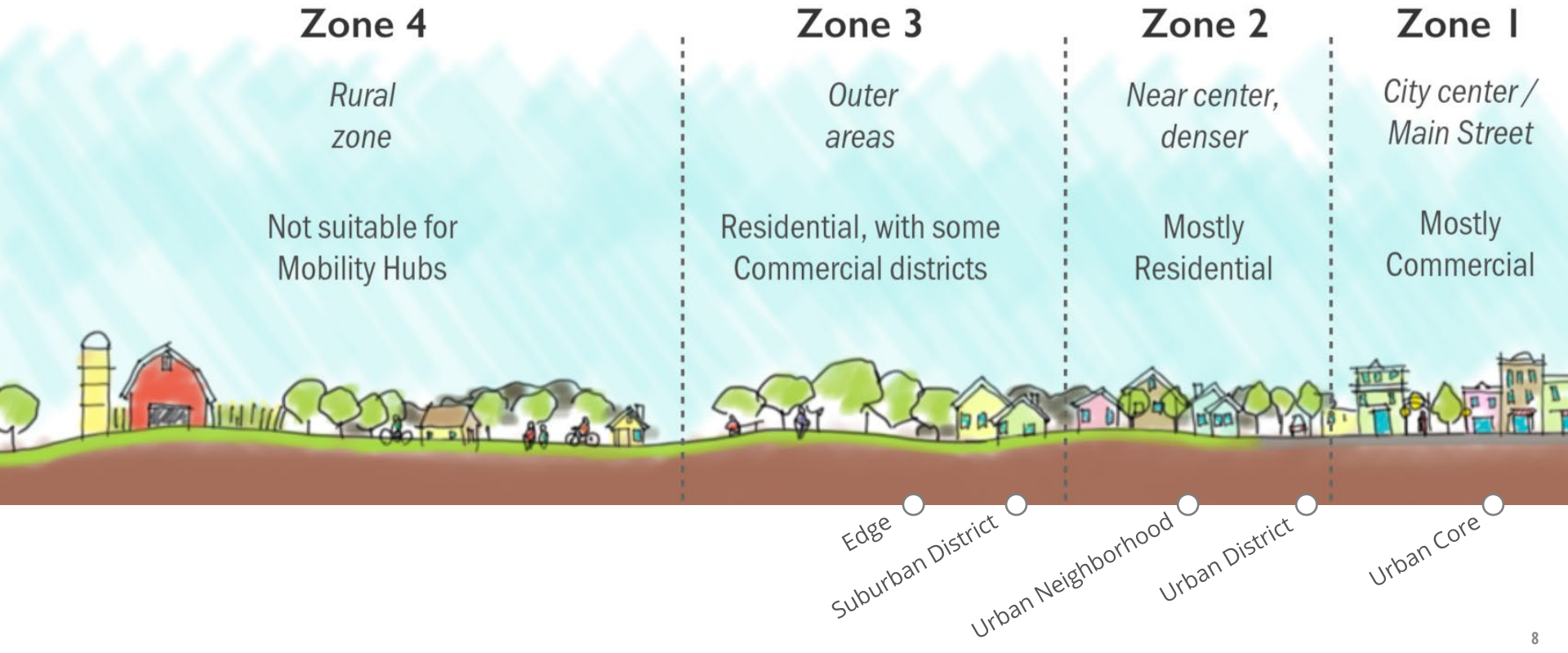**Technology and Information**

Foundational Demand Management Strategies

Creating the Mobility Hub Typology

Zone 4

Rural zone

Not suitable for Mobility Hubs

Zone 3

Outer areas

Residential, with some Commercial districts

Zone 2

Near center, denser

Mostly Residential

Zone 1

City center / Main Street

Mostly Commercial

Edge
Suburban District
Urban Neighborhood
Urban District
Urban Core

Module 3: Implementation Pathways

The pathway to implementation will likely differ from hub to hub or even corridor to corridor.

RETROFIT AN EXISTING LOCATION

PILOT & DEMONSTRATE NEW FEATURES

ENCODE HUB ENHANCEMENTS

INTEGRATE INTO PROJECTS AND DEVELOPMENTS

LEVEREAGE PARTNERS FOR BUILD OUT

# Implementation Pathways

RETROFIT AN EXISTING LOCATION

- **Layering:** Strategic restructuring of space and offerings. This is an incremental and tactical approach to certain retrofit projects, wedging amenities into identified underutilized spaces at existing stations, stops, parking facilities, plazas, and more.

- **Revamping:** Major service and infrastructure investment. Revamp retrofits are often longer implementation efforts programmed into capital improvement cycles or with grant funds.

FORMERLY DIAGONAL PARKING TURNED PUBLIC TRANSIT PLAZA

Metro Transit's Role in Mobility Hubs

- Operationalizing the Hub Guide
  - Supporting hubs
  - Metro Transit's approach to hubs
- Work to date
  - Multimodal analysis
  - CIP Investment/Regional Solicitation
  - How to incorporate into existing processes
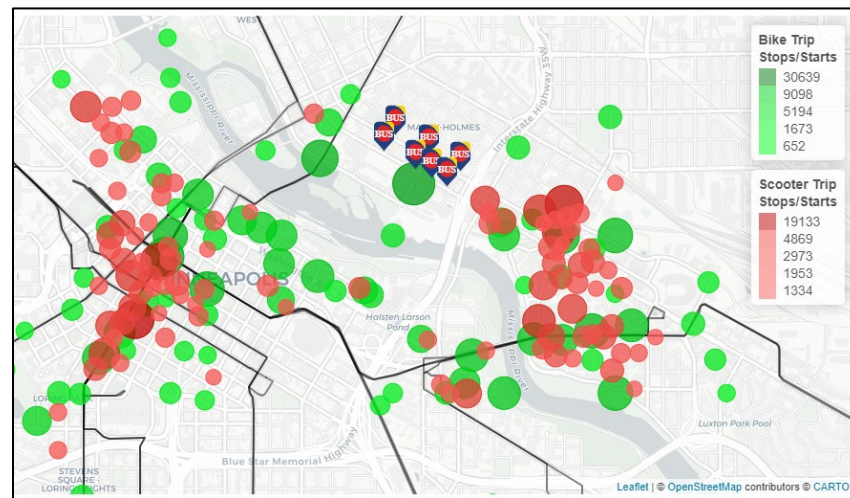
Bikeshare/Scootershare Density map; Data source: City of Minneapolis, 2019

Thank you!

Meredith Klekotka
Shared Mobility Program Manager
meredith.klekotka@metrotransit.org