



# MOBILITY HUB PLANNING GUIDE

TAC June 10, 2021



In association with  
Community Design Group



# Agenda

**PROJECT SUMMARY**

**STAKEHOLDER ENGAGEMENT**

**HISTORY & OPPORTUNITIES**

**OUTCOMES & OBJECTIVES PREVIEW**

**IMPLEMENTATION**



Photo: ABC Ramps



# What are Mobility Hubs?

*“A place where people can connect with multiple modes of transportation in a safe, comfortable, and accessible environment, facilitating convenient and reliable travel”*

*-Twin Cities Shared Mobility Collaborative, Mobility Hub Whitepaper*



Source: Sophia von Berg, Hamburg



Source: City of LA, Schofield Railway Station - Sydney



# PROJECT SUMMARY



Photo: City of Minnea

# Project Scope



Stakeholder Engagement



Mobility Hub Mapping Analysis



Mobility Hub Typology



Mobility Hub Planning Guide



Interjurisdictional Coordination and Implementation Issues

# Project Elements and Phasing

## Phase 1: Discovery & Direction

February – April 2021

Siting Analysis Stakeholder Meeting

Policy & Plan Review

VMT Reduction Memo

## Phase 2: Methods & Analysis

May – July 2021

Definitions and Tools Workshop

Siting/Screening Analysis

Hub Typology Catalog

Type & Problem Statements

## Phase 3: Guidance & Tools

June – December 2021

Planning & Implementation Meeting

“Kit of Parts” Design Guidance

Decision Tool

Underserved Community Hub Toolkit

Mode/Service Selection Matching Tool

Coordination & Implementation Issues

Mobility Hub Planning Guide

# Stakeholders Committee

- Project Stakeholders:
  - MVTA, SouthWest Transit, Plymouth Metrolink
  - Nice Ride MN, HOURCAR
  - U of M Humphrey School
  - Cities of Minneapolis, Saint Paul, Maplewood, Maple Grove, Woodbury
  - Scott, Carver, Ramsey, Dakota, Hennepin, Washington counties
  - MnDOT, TAAC, CAAPB
  - Move Minnesota, Musicant Group



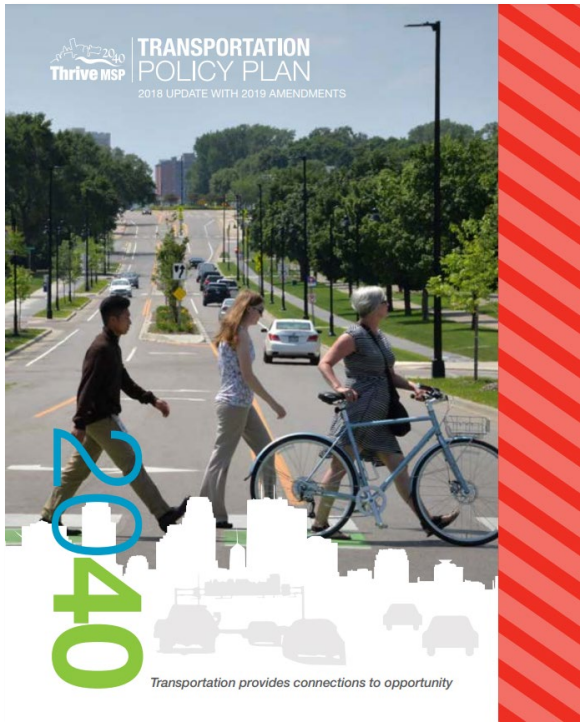
# PROJECT HISTORY & OPPORTUNITIES





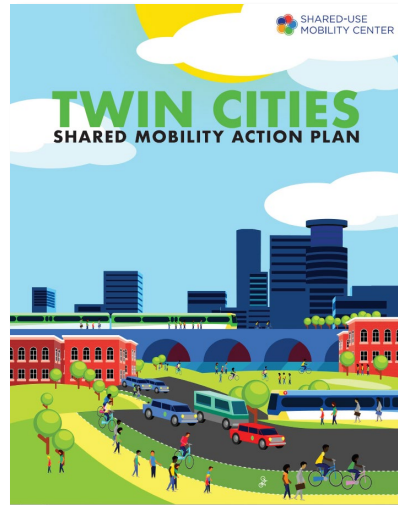
# Hub Highlights:

## Planning and Design



2040 TPP

Shared Mobility Planning



Shared Mobility Strategy

Metro Transit, Strategic Initiatives

Meredith Klekotka, Oct. 2019

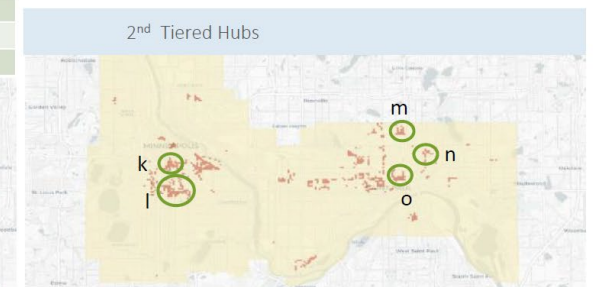
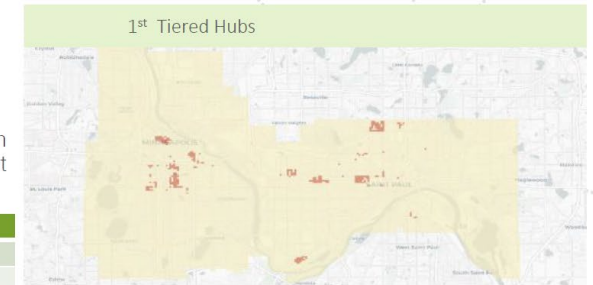
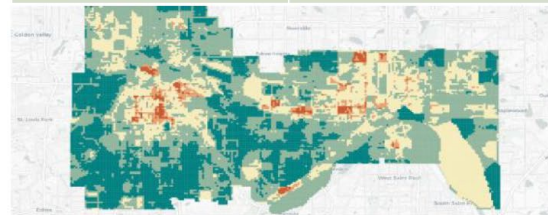


MetroTransit

### Scenario Planning 3 Equity Focus

The demographic layer is double-weighted. In comparison with scenario planning 1 – equal focus, there are different 2nd tiered hubs identified for improving equity.

Layer Group	Weight
A. Physical	1
B. Economic	1
C. Demographic	2
D. Access	1
E. Behavior	1



Arcadis Hub Identification



NiceRide MN



# Hub Highlights:

## Piloting and Implementation

### MINNEAPOLIS PILOT



Photo: City of Minneapolis

### ST. PAUL HOURCAR PILOT



#### The Twin Cities Electric Vehicle Mobility Network



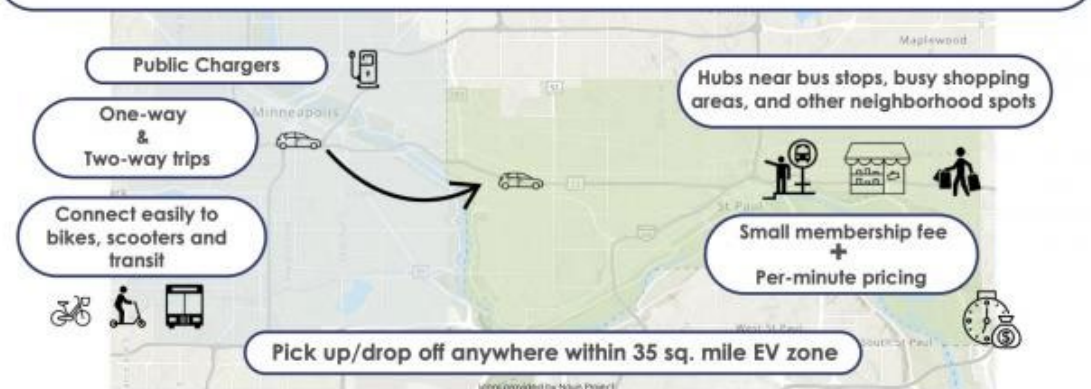
Through a unique partnership, car-sharing in the Twin Cities will be more convenient, affordable, and accessible than ever before. This means communities that experience excess auto emissions will see cleaner air and people who are car-less will have more options. There will also be charging available for privately owned electric vehicles.

#### What's Included in the new EV network?

Electric Vehicle Carshare Fleet + Public Curbside Charging Hubs

#### What is Car Sharing?

Car-sharing provides the benefits of car access without the burden of car ownership. By becoming a member of a car-sharing network, you have access to cars throughout a service area for short-term rental.



Visit [hourcar.org](http://hourcar.org) to explore current service.

More info at [www.stpaul.gov/EV](http://www.stpaul.gov/EV)

Email at [charginghubs@ci.stpaul.mn.us](mailto:charginghubs@ci.stpaul.mn.us)



# Hub Highlights:

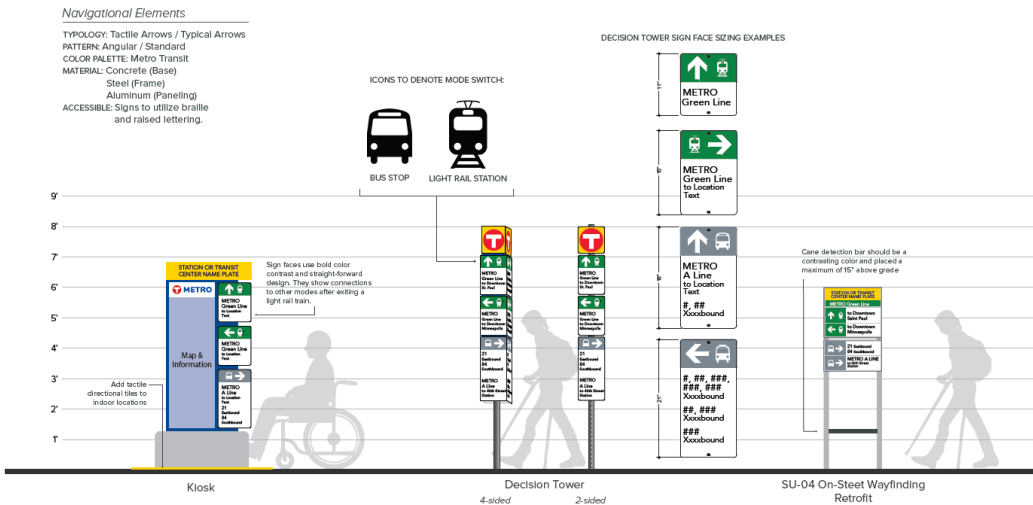
## ABC RAMPS - Retrofit



## REGIONAL SOLICITATION

- *Golden Triangle  
Mobility Hub (2020)*
- *Southwest Transit  
Mobility Hub (2018)*

# Hub Highlights: Branding



## METRO TRANSIT TRANSFER POINT WAYFINDING

## EV CHARGING HUBS



## MINNEAPOLIS HUB SIGNAGE



**Bike Parking**  
**Baarkin Baaskiil**  
**Estacionamiento de Bicicletas**  
**Qhov Chaw Nres**  
**Lub Tsheb Tuam**

**Lake Harriet Bandshell**  
 2.0 miles

- 39 minutes (Walking)
- 16 minutes (Bus)
- 12 minutes (Bicycle)

**This is a pilot!**  
 Helpful? Interesting? Tell us!  
 Call 311 or email [mobilityhubsmp@gmail.com](mailto:mobilityhubsmp@gmail.com)

Minneapolis Public Works



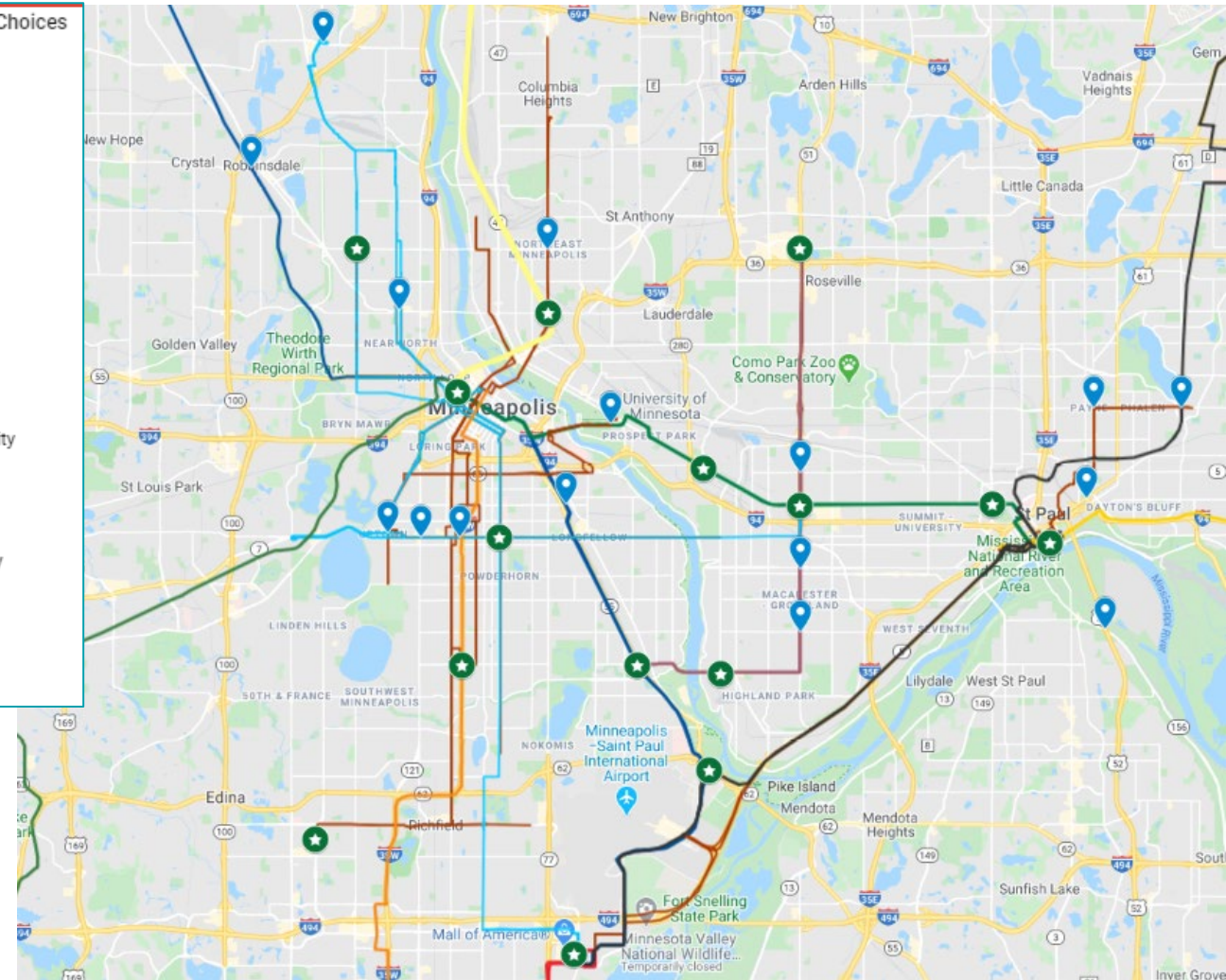
# Initial Hub Network Ideas



Twin Cities  
Shared Mobility  
Collaborative

Twin Cities Shared Mobility Collaborative Mobility Hub Working Group worked together to identify potential locations during an April 2020 workshop

- Mobility Hubs - Top Choices
- 35W & 46th
- ABC Ramps
- Broadway & Central
- Ford Site
- Hiawatha & 46th
- Lake & Chicago
- Lowry & Penn
- Mall of America
- MSP Airport
- Raymond & University
- Rice & University
- Rosedale Mall
- Snelling & University
- Southdale Mall
- Sun Ray
- Union Depot





# OUTCOMES & OBJECTIVES REVIEW





# Outcomes Drive Mobility Hub Action



## Guiding Outcomes

- Thrive 2040 Transportation Policy Plan

## Hub Objectives

- Regional Objectives
- Local Objectives
- Hub-Specific Objectives

## Planning & Management Actions

- Siting Criteria
- Hub Performance Metrics
- Mode Selection/Priority
- Amenity Priority
- Access Hierarchy
- Curb Priority

# **Regional Transportation Outcomes – Draft**

**Connect the Region**

**Expand and Integrate Multimodal Travel Options**

**Increase travel safety**

**Advance Equity**

**Enhance Neighborhoods**



# MOBILITY HUB SITING ANALYSIS APPROACH



Photo: City of Minnea

# Mobility Hub Siting Analysis

**STEP 1**  
ALIGN OUTCOMES TO OBJECTIVES

**STEP 2**  
DEVELOP HUB UNIVERSE

**STEP 3**  
CLUSTER HUB NETWORK

**STEP 4**  
ASSIGN TYPOLOGY

**STEP 5**  
SCREEN FOR OBJECTIVES

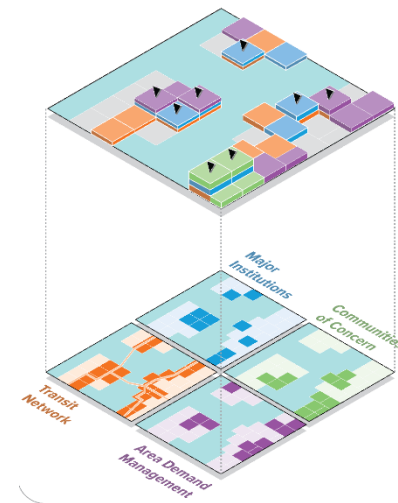
**STEP 6**  
PRIORITIZE SCREENED LOCATIONS



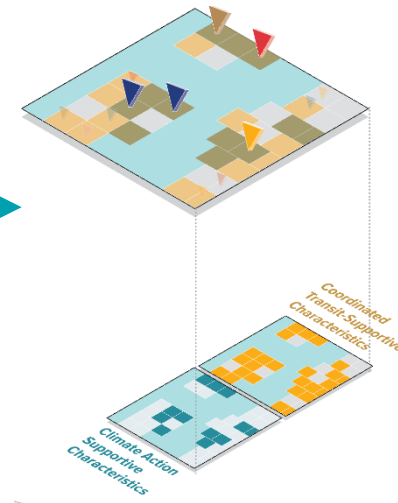
**HUB OBJECTIVES**



**INDICATORS**



**SCREENING**



**PRIORITIZATION**



# Mobility Hub Siting Analysis

**STEP 1**  
**ALIGN OUTCOMES TO OBJECTIVES**

**STEP 2**  
**DEVELOP HUB UNIVERSE**

**STEP 3**  
**CLUSTER HUB NETWORK**

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**STEP 6**  
**PRIORITIZE SCREENED LOCATIONS**



# Mobility Hub Siting Analysis

**STEP 1**  
**ALIGN OUTCOMES TO OBJECTIVES**

**High-Capacity Transit  
Stations**

**Park & Ride Locations/  
End-of-Line Terminus**

**STEP 2**  
**DEVELOP HUB UNIVERSE**

**Transit Centers**

**Frequent Transit  
Connections  
(two or more)**

**STEP 3**  
**CLUSTER HUB NETWORK**

**STEP 4**  
**ASSIGN TYPOLOGY**

**Major Demand Generators  
(stadia, universities, MSP, Mall  
of America, etc.)**

**Areas of Mobility Need  
(no frequent transit and/or  
limited vehicle availability)**

**STEP 5**  
**SCREEN FOR OBJECTIVES**

**STEP 6**  
**PRIORITIZE SCREENED LOCATIONS**



# Guide Implementation

- Assist local governments and transit agencies in identifying potential hub locations for funding applications
- Guidance to local communities on hub design, best practice, and implementation barriers
- Potential training series for developing local hubs



**THANK YOU!**

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