Key Components

Public Transit | Bikeshare | Carshare Parking | Bike Parking

Other Elements:

- **Dedicated curb space** for taxis and Transportation Network Companies (TNCs)
- **Electric Vehicle (EV) charging stations** for use by EV carshare cars or private EVs. Charging stations for e-bikes and e-scooters, if present.
- **Interactive kiosks** to help people plan their trip, purchase fares and access information without needing a smartphone.
- **Amenities** like a café or plaza to create an active space that is welcoming to pedestrians.
Mobility Hub Elements: Models from Europe
Transit Shelter, Signage, Real-time Information
Bikeshare
Dedicated Curb Space
Bike Parking
Car Share
Electric Vehicle Charging
Interactive Information Kiosks
Staffed Information Kiosks
Mobility Hubs and Placemaking

Hubs should signal that pedestrians are safe and welcome. This can be accomplished using elements such as:

- Pedestrian plazas
- Cafes, coffee shops or restaurants
- Sculpture or public art
- Information desk staffed by attendants
- Wifi
- Etc.
Placemaking
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Developing Mobility Hub Typologies

➔ Different land uses have different applications.
➔ We apply Transit Oriented Development (TOD) practices around transit areas.
➔ Different transit nodes/land uses have different TOD practices.
➔ Mobility Hubs are a small subset of TOD.
➔ Different types of mobility hubs.
Different land uses have different applications. A **transect** is a cut through part of the environment showing a range of different habitats.
Land Use Transects

The prototypical American rural-to-urban transect has six Transect Zones, or T-Zones.
Applying TOD Around Transit

There are several place types for transit oriented development:

- Regional Center
- Urban Center
- Suburban Center
- Transit Town Center
- Urban Neighborhood
- Transit Neighborhood
- Special Use/Employment District
- Mixed Use Corridor
There are Different Recommendations for Different TOD Place Types

TOD typology for an urban center →

View more at: http://ctod.org/pdfs/tod202stations.pdf
Mobility Hub Typologies Can Build on These Concepts

Rendering of a small hub in a dense urban area →
## Example Mobility Hub Characteristics

<table>
<thead>
<tr>
<th></th>
<th>Urban context</th>
<th>Transit elements</th>
<th>Shared mobility elements</th>
<th>Other elements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Small</strong></td>
<td>High-density: urban core or neighborhood with constrained street space</td>
<td>Two or more routes converge:</td>
<td>- Carsharing: 1-3 spots</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Bus/BRT</td>
<td>- Bikeshare docks or dockless parking zone</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>- Subway/LRT</td>
<td>- TNC/taxi pickup zone</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes, at minimum</td>
<td>- Microtransit stop</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Bus shelter</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
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# Example Mobility Hub Characteristics

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</table>
| **Medium**    | **Medium density:** city neighborhoods, suburban downtowns or commercial districts | Meeting of multiple high-capacity modes/routes: BRT, LRT, subway, commuter rail  
- Bus shelter  
- Route & system information  
- Wayfinding for cross-mode transfers | Carsharing: 2-4 spots  
- Bikeshare docks or dockless parking zone  
- TNC/taxi pickup zone  
- TNC/taxi staging zone  
- Microtransit stop | Bike parking  
- Kiosks for trip-planning, service sign-ups  
- Placemaking elements: food truck/cart locations, pedestrian plaza w/ seating, etc. |
## Example Mobility Hub Characteristics

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<tr>
<td><strong>Large</strong></td>
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</tbody>
</table>
| **Lower density:** outlying city neighborhoods, suburban transit centers, suburban shopping/commercial areas (repurposed park-n-ride or transit parking) | Two or more routes converge:  
- Bus/BRT  
- Subway/LRT  
- Commuter rail  
Includes, at minimum  
- Bus shelter  
- Route information | - 4+ carshare spots w/public-use EV charging  
- Bikeshare docks or dockless parking zone, if present  
- TNC/taxi pickup zone  
- TNC/taxi staging  
- Microtransit stop | - Multiple placemaking elements such as food truck or café w/ outdoor seating, pocket park, playscape, pedestrian plaza, etc. |
Examples and Renderings
How do you define mobility hubs?

And what typologies are appropriate for the Twin Cities?

Add to the Google document

or email erin@sharedusemobilitycenter.org