

ANN ARBOR MOVING TOGETHER

TOWARDS VISION ZERO



Illustrations by: Pablo Stanley

Transportation Commission



Ann Arbor Moving Together Overview
October 21, 2020

Agenda

1. Plan Process Review
2. Plan Document Overview
3. Key Strategy Overview
4. Next Steps



Plan Process Review

Phases

Components

<h2>Discovery</h2> <p>Goals:</p> <ul style="list-style-type: none"> Learn about opportunities and challenges Establish mobility values & goals 	<p>Comprehensive data analysis</p>	<p>Staff values workshop</p>	<p>Focus groups</p>	<p>Public open house</p>
		<p>Committee & commission meetings</p>	<p>Transportation behaviors survey</p>	<p>Pop up meetings (2)</p>
			<p>Bicyclist level of comfort survey</p>	
<h2>Ideation</h2> <p>Goals:</p> <ul style="list-style-type: none"> Develop and vet ideas for projects, programs, and policies to meet plan goals 	<p>Best practice review</p>	<p>Staff corridor concept workshop</p>	<p>Public open house</p>	<p>Pedestrian crossings survey</p>
	<p>Concept development</p>	<p>Committee & commission meetings</p>	<p>Corridor preferences survey</p>	<p>Bike network survey</p>
	<p>Strategy compilation</p>			
<h2>Action Planning</h2> <p>Goals:</p> <ul style="list-style-type: none"> Organize strategies by priority and timeline Assign resources for implementation 	<p>Strategy organization</p>	<p>Staff and committee worksheets</p>	<p>Public open house</p>	
	<p>Cost estimating</p>	<p>Committee & commission meetings</p>		
	<p>Implementation tools</p>			

Discovery Phase

Plan Goals

MOVING TOGETHER TOWARDS...

ZERO DEATHS

AND

ZERO EMISSIONS

Action Plan Phase

Strategy Organization

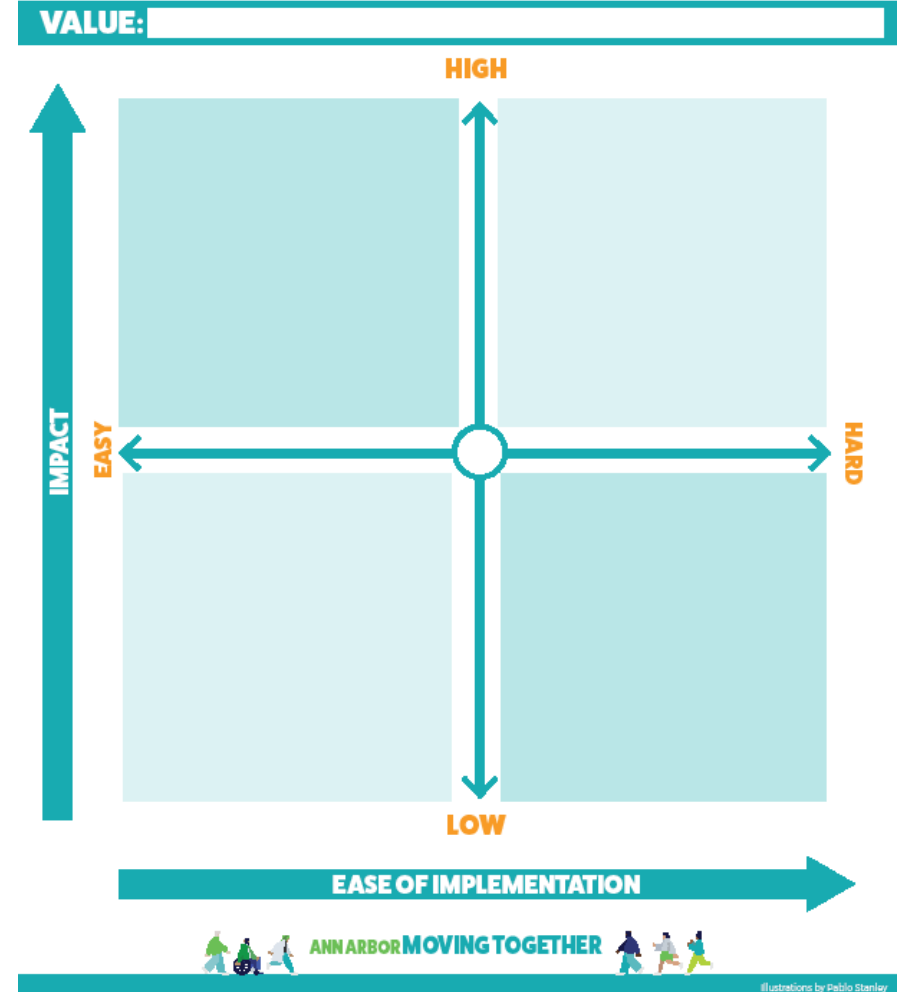
Interactive workshop with CAC

Worksheet with TAC & Transportation

Commission

EASE VS IMPACT | STRATEGY ACTIVITY

Write the strategy number on a sticker. Place the sticker on the chart where you think it best fits according to its impact (high to low) and ease of implementation (easy to hard).



Strategy Organization

1. Twenty-two (22) “key strategies”
2. How strategies relate to the values: *Safety, Mobility, Accessibility for All, Healthy People/Sustainable Places, Regional Connectivity*
3. Multi-disciplinary: *Engineering, Education, Encouragement, Enforcement, Equity*
4. Time-based: *Short-, medium-, long-term*



Plan Document Overview

Strategy Overview

Values

18. 20-Minute Neighborhood



Mobility



Accessibility for All



Healthy People & Sustainable Places

Ensure that all residents have access to basic daily needs within a 20-minute walk.

Current State

A 20-minute neighborhood is a place where residents can meet most of their daily, non-work needs (like shopping, groceries, parks, and schools) within a safe, convenient 20-minute walk. Today, eight out of ten Ann Arbor residents live within a 20-minute walk of a school, grocery store, general retail, and a park. However, people of color are 37% more likely to live in a neighborhood with limited access compared to white Ann Arbor residents.

Strategy Description

By bringing people and the destinations they need to reach closer together, 20-minute neighborhoods offer residents a host of benefits: improved access, more opportunities for physical activity, lower transportation costs, and reduced emissions and air pollution. Ann Arbor residents who live in neighborhoods with poor access to daily essentials spend 8% more on household transportation costs and emit 15% more carbon dioxide each year. 20-minute neighborhoods also enable older adults to age in place, so that losing access to a car doesn't result in losing independence.

Ensuring that everyone in Ann Arbor can live in a 20-minute neighborhood and enjoy the associated benefits will require a combination of actions.

- › Improving connectivity for people walking by building out a complete, accessible sidewalk network (see page XX), establishing criteria for connected street networks in new developments (see page XX), and by retrofitting existing neighborhoods that have low connectivity with direct links that enable people to walk to more destinations.
- › Updating the zoning code to allow for more mixed uses in residential neighborhoods paired with incentives that encourage mixed use development in areas with less access today.
- › Encouraging more housing units, with a focus on affordable units, in locations with good access to basic daily needs.

Timeline



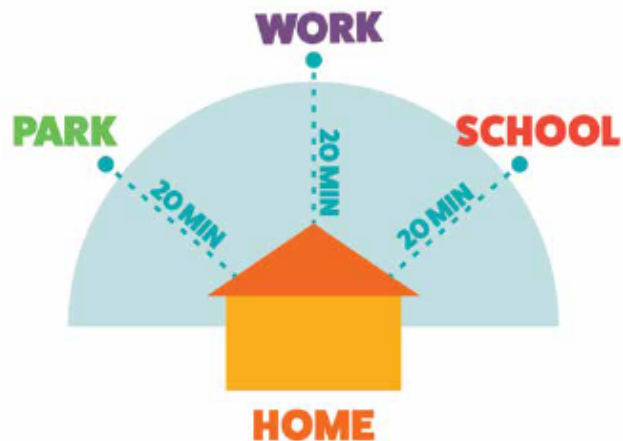
Medium
(4-10 years)

Lead Agency/Partners

- › Planning
- › Engineering
- › Plan Commission
- › Neighborhood Associations
- › Local Businesses
- › Sustainability
- › Ann Arbor Housing Commission (AAHC)
- › Ann Arbor Historic District Commission
- › AAATA

Targets

1. Update the zoning code to encourage mixed uses in residential neighborhoods and more housing in locations with good access to basic daily needs by 2025.
2. 100% of Ann Arbor residents live within a 20-minute walk of basic needs by 2030.



Where are we now?

What is being proposed?

Timeline,
Partners,
Targets

Strategy Overview

Complete List of Actions

While the key mobility strategies detailed above explain many of the critical actions the city will take in the coming years to achieve its goals and uphold the community's mobility values, there are additional actions the city must take in the short-, medium-, and long-term to sustain its progress. The tables in the following pages provide a complete list of actions—including the key mobility strategies detailed above.

Short-Term Strategies

Strategy	Lead/Partners	Values	6 Es	Targets
+Focus transportation investments on corridors and intersections with the most serious crashes.	Engineering (for full list of partners, see p. XX)	Safety	Engineering	<ul style="list-style-type: none"> Develop plans for safety improvements on all Tier 1 corridors and intersections within 1 year <p>(for full list of targets, see p. XX)</p>
+Address dangerous driving behaviors using design solutions, policy changes, and education efforts.	Engineering (for full list of partners, see p. XX)	Safety	Engineering Education Encouragement Enforcement Equity	(for full list of targets, see p. XX)
+Establish a quick-build improvement program.	Engineering Public Works ADA City Council	Safety Mobility Accessibility for All Healthy People & Sustainable Places	Engineering	<ul style="list-style-type: none"> City council approves quick-build safety program within 1 year. Install at least three quick-build safety projects per year, prioritizing focus corridors and intersections.
+Address all critical gaps in the sidewalk system.	Engineering Systems Planning Public Works MDOT City Council	Safety Mobility Accessibility for All Healthy People & Sustainable Places	Engineering	<ul style="list-style-type: none"> Approve new sidewalk construction funding sources and update City Code within 1 year. Complete all remaining near-term sidewalk gaps within 3 years and all sidewalk gaps on major streets within 7 years.
+Enhance safety and visibility at mid-block crossings.	Engineering (for full list of partners, see p. XX)	Safety Mobility Accessibility for All	Engineering	<ul style="list-style-type: none"> Assess all existing uncontrolled crosswalks and identify necessary enhancements within 3 years. Enhance 5 uncontrolled crosswalks per year. Install 5 new uncontrolled crosswalks per year.

+ denotes a key strategy



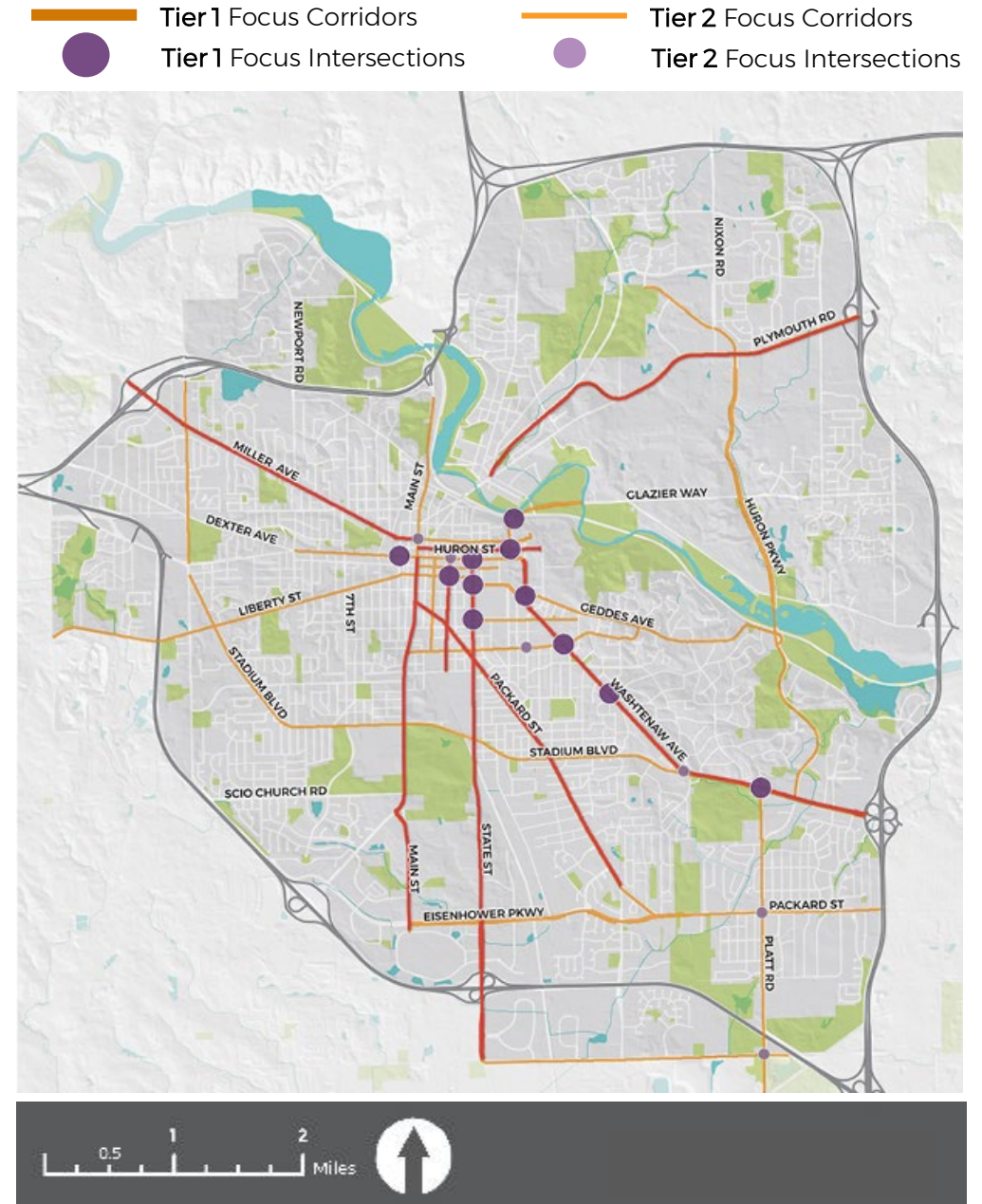


Strategy Overview

Safety

Focus investments on corridors and intersections with the most serious crashes

- New capital improvement projects
- Coordinate with other planned projects and construction work
- Advance ongoing corridor studies (e.g., South State Street Corridor Plan)
- Use the quick-build safety program to implement changes in the short term while long term improvements are being planned



Safety *Key Strategies*

Establish a quick-build program

Examples:

- Curb extension
- Pedestrian refuge island
- Protected bike lane
- Bicycle intersection improvements
- Mini traffic circles
- Diverters
- Hardened centerlines
- Slow-turn wedges

Curb Extensions

Location: Chicago, IL



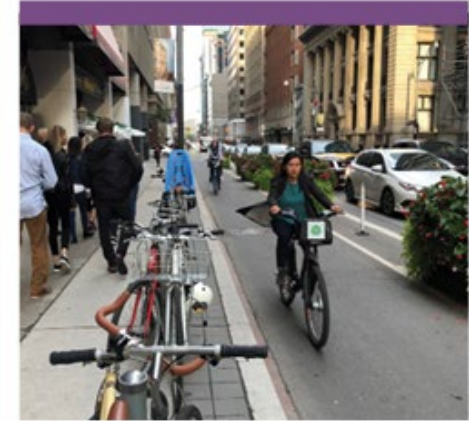
Pedestrian Refuge Islands

Location: Chicago, IL



Protected Bike Lanes

Location: Toronto, Canada



Bicycle Intersection Improvements

Location: San Jose, CA



Safety

How will we measure success?

Metric	Now	Target
Annual number of people killed or seriously injured in traffic crashes	30	
Share of serious injuries and fatalities incurred by people walking and biking	36%	0 by 2025
Share of serious injury and fatality crashes related to dangerous driving behaviors	70%	
Number of safety improvements installed on focus corridors and intersections per year	N/A	3/year



Strategy Overview

Mobility

Mobility *Key Strategies*

Build out a safe, comfortable network of bike routes for all ages and abilities

Tools for Major Streets
(35 mph or greater OR >10,000 vehicles/day)

Protected Bike Lane



Fourth Street and William Street, Ann Arbor

Raised Bike Lane



Raised Bike Lane in Denver, CO


Low Stress Bike Network

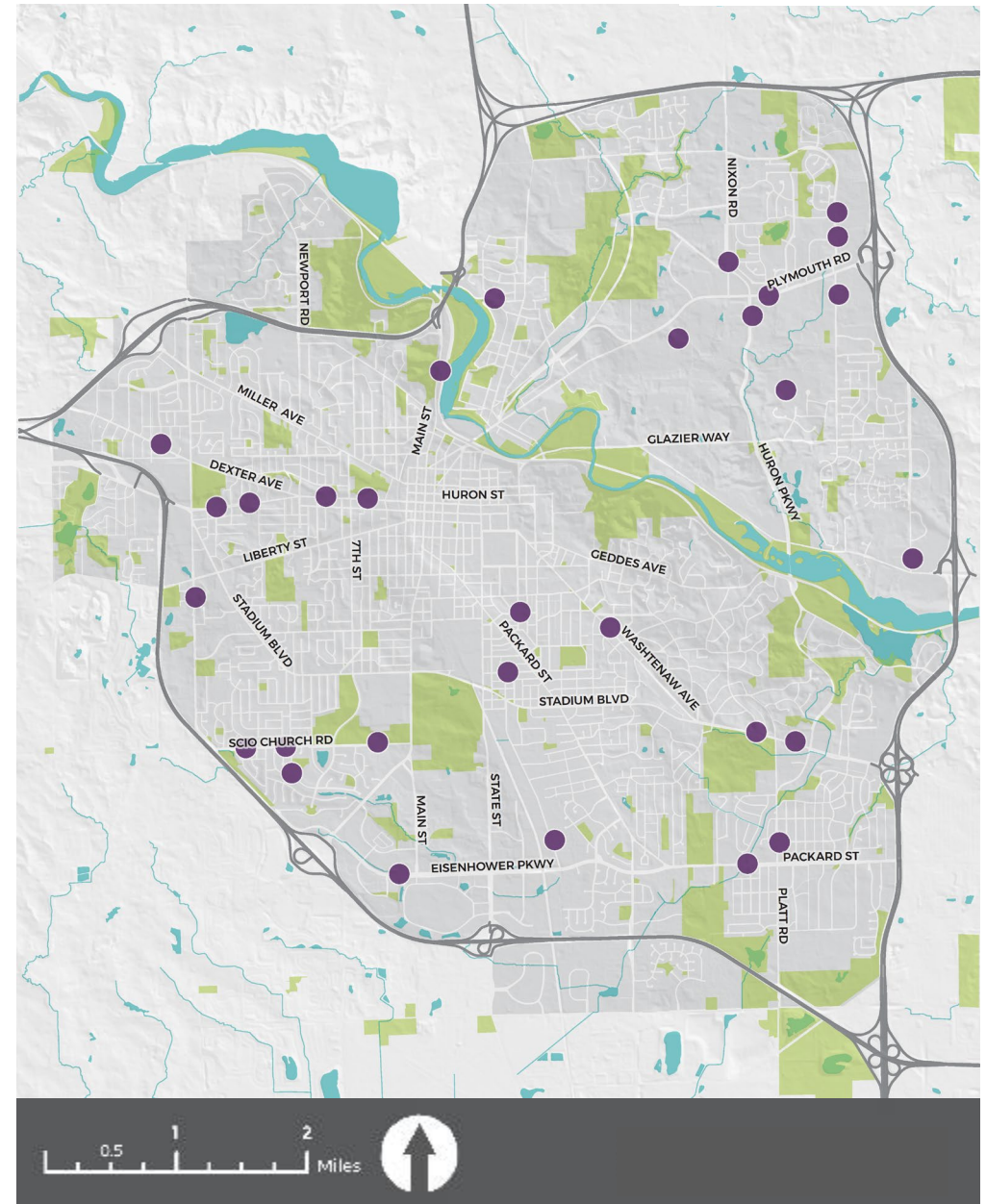


Mobility *Key Strategies*

Enhance safety and visibility at uncontrolled crosswalks

Priority Locations for New Uncontrolled Crosswalks

 New Uncontrolled Crosswalks



Timeline: Short

Mobility

How will we measure success?

<i>Metric</i>	<i>Now</i>	<i>Target</i>
Population within a ¼ mile of the all ages and abilities bicycle network	51%	97% by 2030
Population within a ¼ mile of high frequency transit (every 15 minutes)	26%	66% by 2025
Share of trips in the city made by walking, biking, and transit	36%	50% by 2025
Shared mobility vehicles available (car share, bike share, e-scooters)	330	1,000 by 2025



Strategy Overview

Accessibility for All

Accessibility for All *Key Strategies*

Address critical gaps in the sidewalk system



At-grade interim asphalt walkway (Source: Seattle Department of Transportation)

Accessibility for All *Key Strategies*

Provide reduced fares for transit and shared mobility services for qualified users.

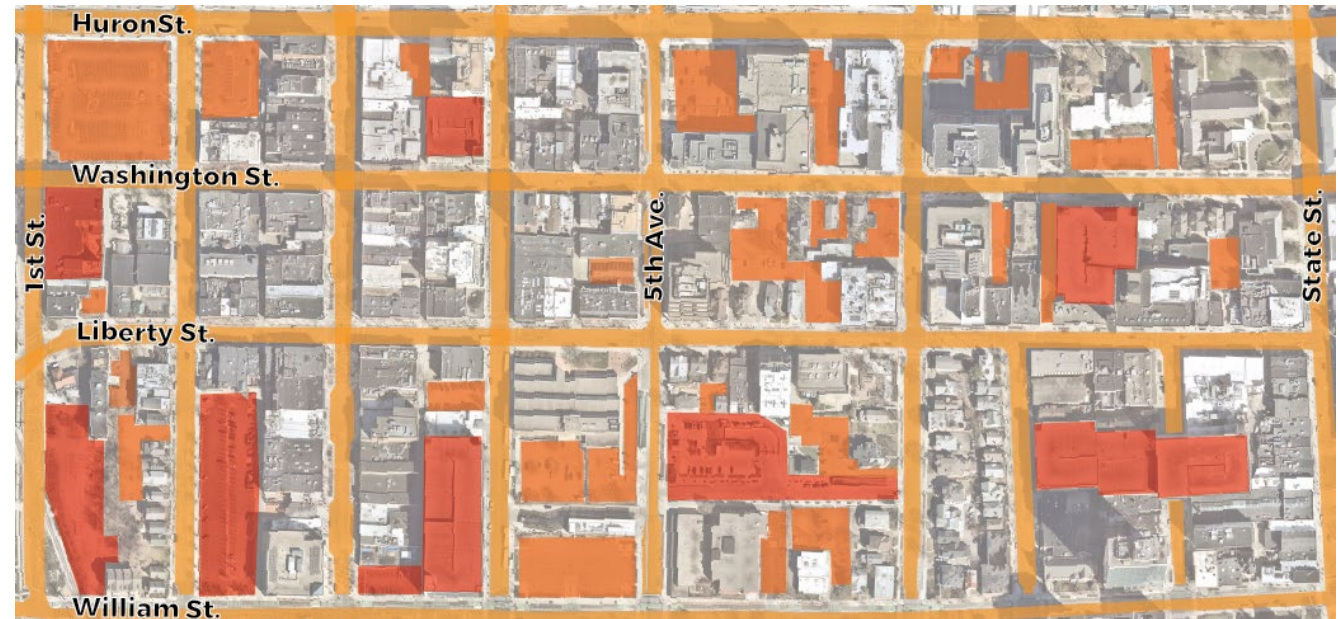
40% of transit riders make less than \$25,000/year

30% use cash to pay their fare

Accessibility for All *Key Strategies*

Create shared streets in strategic areas in downtown.

More than 1/3 of all the space downtown is allocated for cars.



Accessibility for All

How will we measure success?

<i>Metric</i>	<i>Now</i>	<i>Target</i>
Transportation costs as a % of household income	18%	15% by 2025
Average number of jobs within 20 minutes via different modes	30,000 (Transit) 15,000 (Bike)	50,000 (Transit) 30,000 (Bike) by 2030
Share of bus stops that are ADA accessible	89%	100% by 2025
Miles of gaps in the sidewalk network	145	<8 by 2040



Strategy Overview Healthy People & Sustainable Places

**ANN ARBOR
MOVING
TOGETHER**

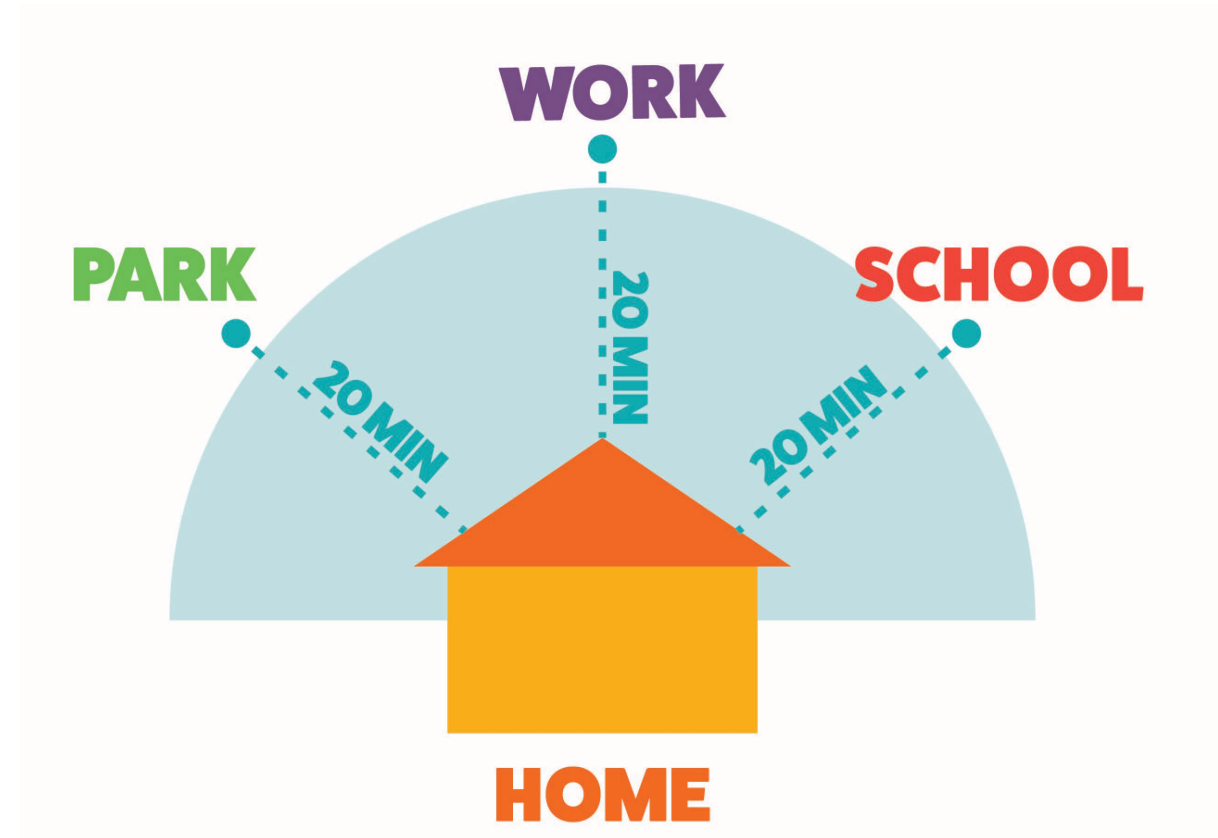
TOWARDS VISION ZERO

Healthy People & Sustainable Places

How will we measure success?

20-minute neighborhood

- Update zoning code to encourage:
 - Mixed uses in residential areas
 - More housing in areas with good access to daily needs
- Building out sidewalk and bikeway networks



Healthy People & Sustainable Places

How will we measure success?

Better align parking supply with demand

- Update Unified Development Code to remove parking minimums
- Establish parking maximums along signature transit corridors



Building parking is expensive.

\$5,000

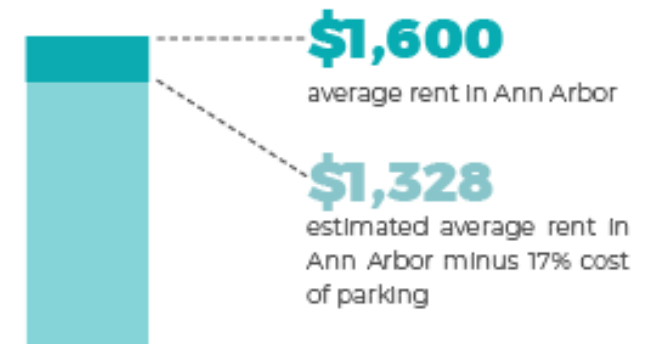
cost to build 1 space in a surface lot

\$25,000

cost to build 1 space in an above-ground garage

+17%

additional cost of a housing unit's rent due to the cost of parking



Healthy People & Sustainable Places

How will we measure success?

<i>Metric</i>	<i>Now</i>	<i>Target</i>
Average vehicle miles traveled (VMT) per day	2.1 million	1 million by 2030
Share of the population living in 20-minute neighborhoods	80%	100% by 2030
Share of the population meeting physical activity guidelines	84%	95% by 2030



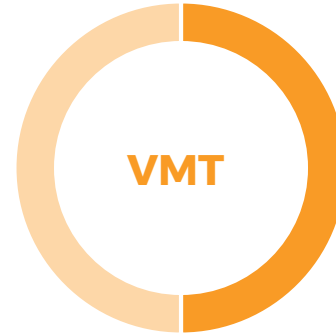
Strategy Overview

Regional Connectivity

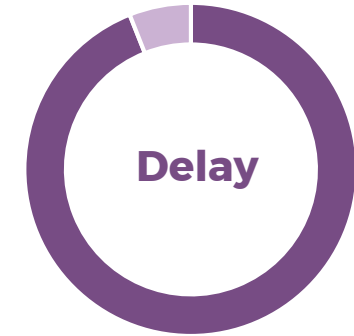
Regional Connectivity *Key Strategies*

Develop a citywide transportation demand management strategy.

- Expand go!pass program
- Adopt Transit Oriented Development zoning



50% of the miles driving in the city



94% of the delay drivers experience are during morning and evening rush hours

Regional Connectivity *How will we measure success?*

<i>Metric</i>	<i>Now</i>	<i>Target</i>
Share of commute trips into/out of Ann Arbor on transit	11%	20% by 2030
# of go!pass (or equivalent citywide program) holders	5,000 per year	10,000 by 2024



Next Steps

**ANN ARBOR
MOVING
TOGETHER**

TOWARDS VISION ZERO

Next Steps

- Plan Production
 - Finalize costs and implementation section with city staff
- Plan Review and Approval
 - 10/29 – Virtual public meeting
 - 11/18 – Transportation Commission
 - 12/1 – Planning Commission presentation
 - County review period
 - Planning Commission

ANN ARBOR MOVING TOGETHER

TOWARDS VISION ZERO

