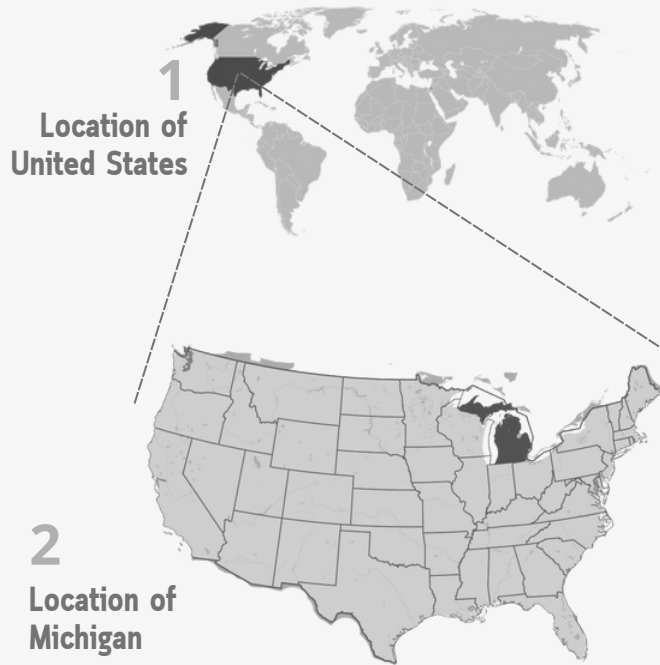


Harper Avenue  
DETROIT, MICHIGAN

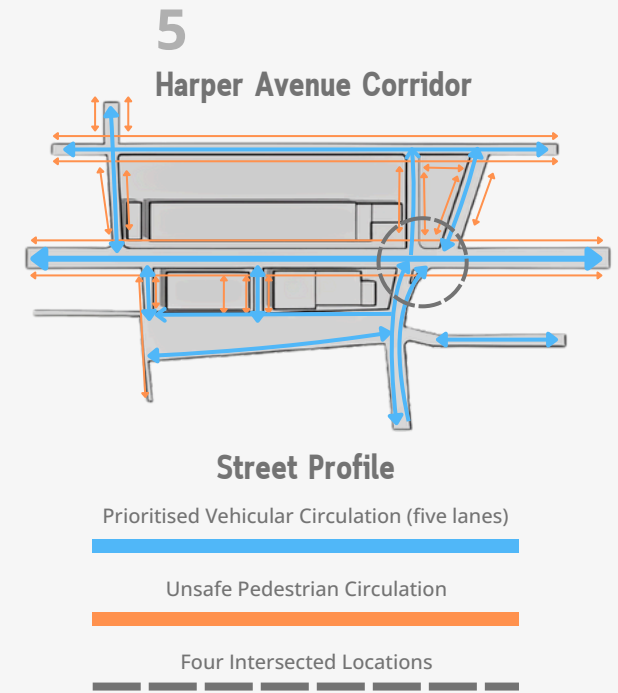
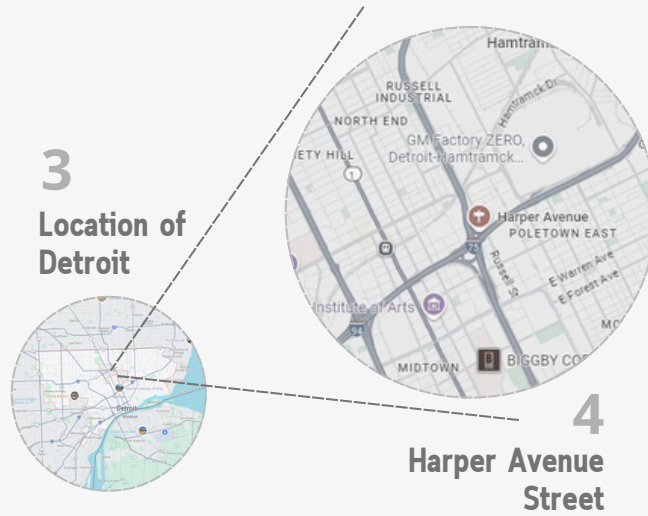
2024

**M**  **BILITY** CITY



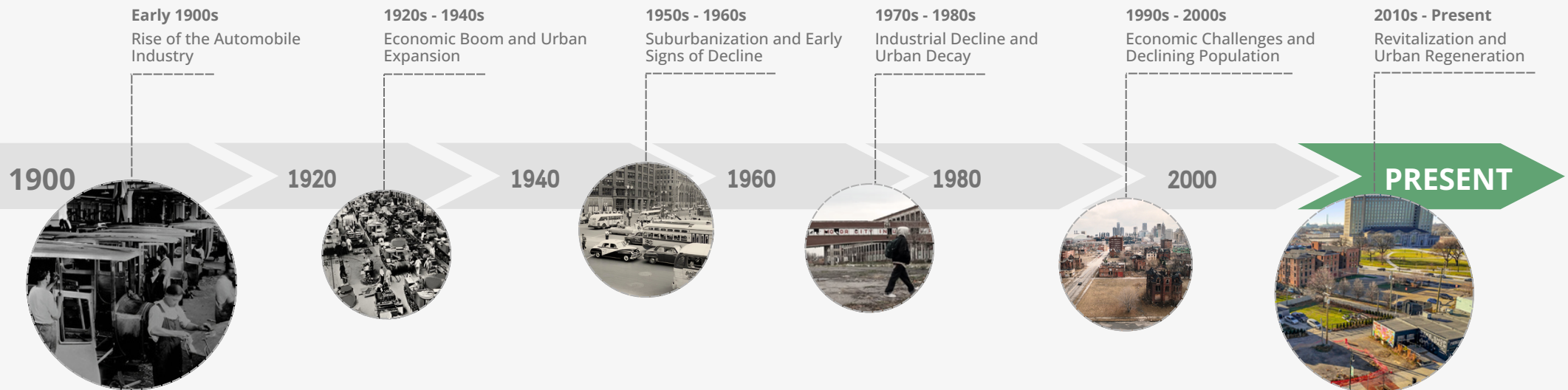


## LOCATION



## TIMELINE

**MOBILITY CITY**



# VENUE ANALYSIS

## Venue Issues



Pedestrian Safety and Mobility Concerns



Inadequate Bus Station Infrastructure

Frequent Flooding

Environmental and Aesthetic Concerns



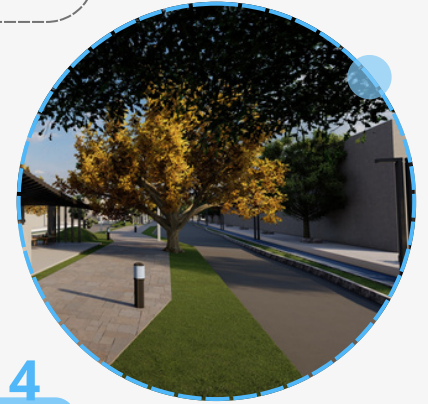
Lack of Bicycle Infrastructure

Poverty

Social and Racial Segregation



## Venue Solutions



1 Pedestrian-Centric Design

2 Reduction of Car Lanes

3 Dedicated Bicycle Lanes

4 Improved Bus Stations

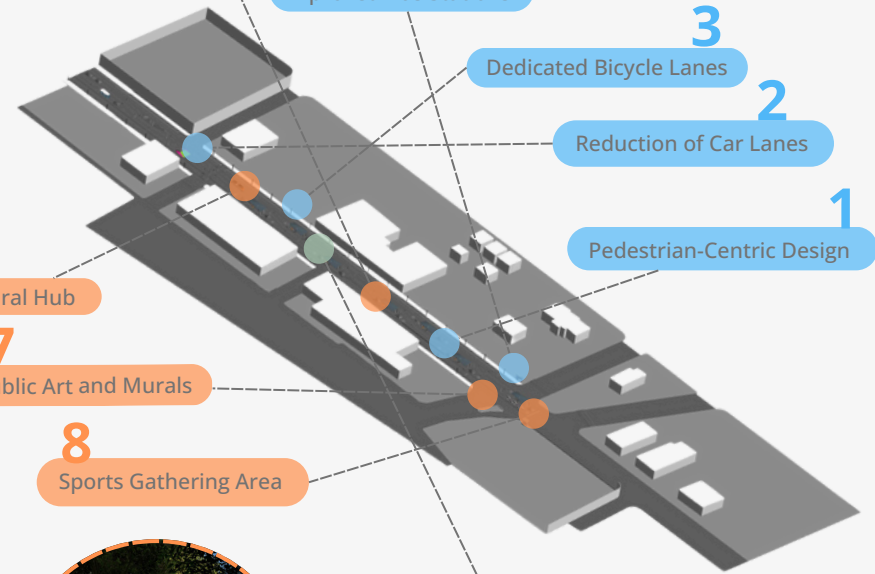
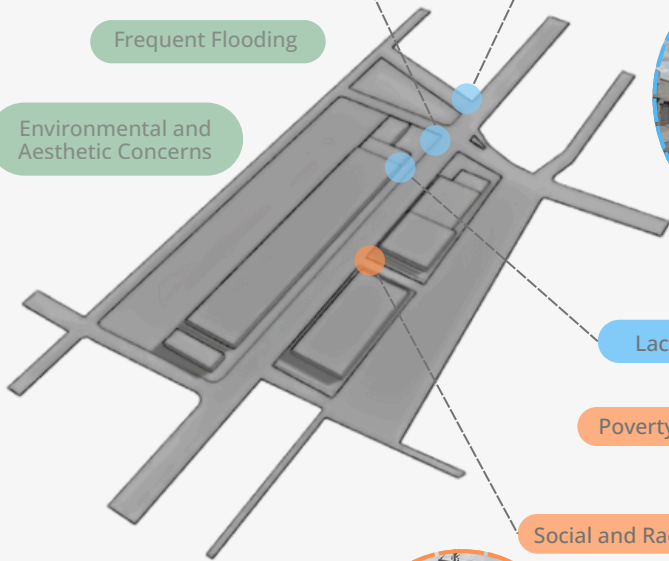
5 Pop-up Market Spaces

6 Cultural Hub

7 Public Art and Murals

8 Sports Gathering Area

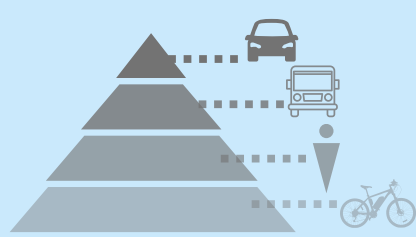
9 Green Spaces and Flood Management





## VENUE ISSUES

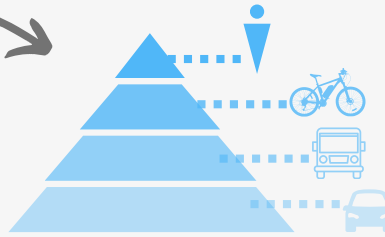
Inadequate crossings and a lack of pedestrian infrastructure make walking dangerous.



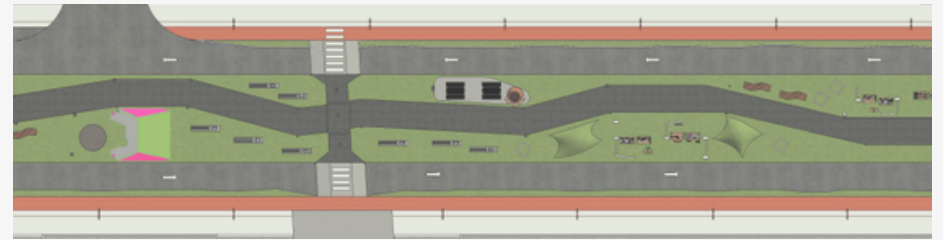
Mobility pyramid



The current slow roll initiative has gathered up to **4,000** bikers in one day, with **250** miles of bike paths.



## MOBILITY + SUSTAINABILITY SOLUTIONS



Harper Avenue Corridor - Plant View



1

### Pedestrian-Centric Design

A central walkway to ensure safe and free pedestrian movement within the street layout.

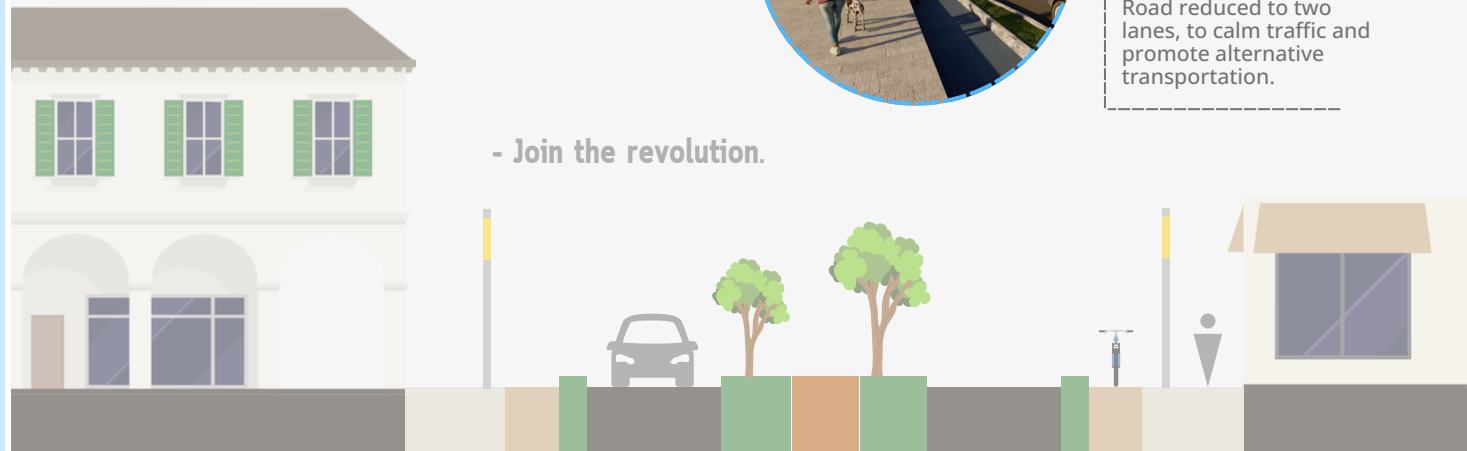


2

### Reduction of Car Lanes

Road reduced to two lanes, to calm traffic and promote alternative transportation.

- Join the revolution.





VENUE SOLUTION

**MOBILITY**  
+ **SUSTAINABILITY**  
SOLUTIONS

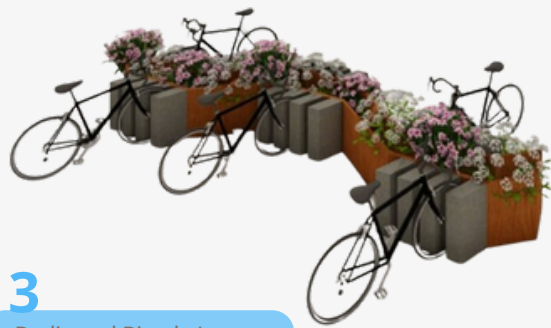


No designated bike lanes or parking exist, making it unsafe for cyclists.

VENUE ISSUES



VENUE SOLUTION

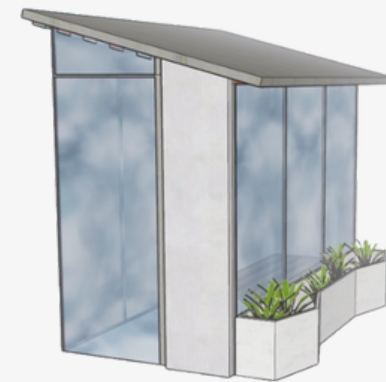


**3**  
Dedicated Bicycle Lanes

Safe bike lanes and secure parking to promote cycling as a viable transport option.



Exposure to harsh weather and lack of seating at bus stops deter public transport use.



**4**  
Improved Bus Stations

Roofed bus stations to provide protection from rain and snow, enhancing the public transport experience.

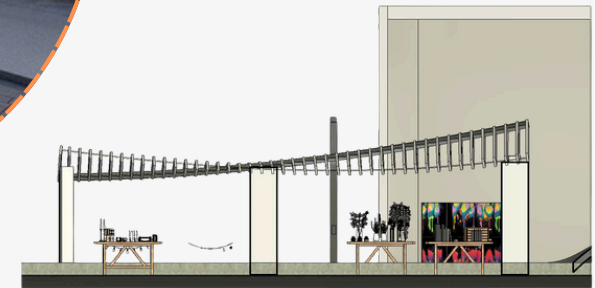


Approximately 37.9% of Detroit residents live in poverty.

VENUE ISSUE

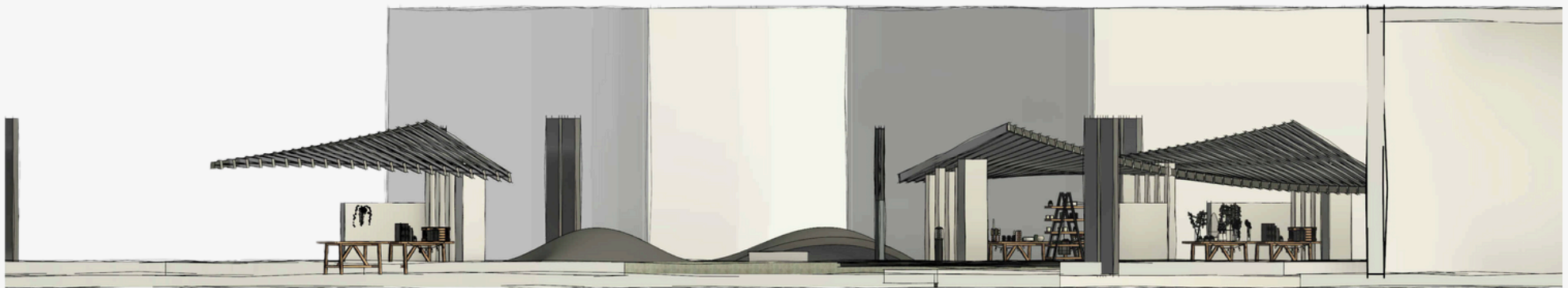


**COMMUNITY**  
+ **SUSTAINABILITY**  
SOLUTIONS



**5**  
Pop-up Market Spaces

A central area for pop-up markets to support local businesses and community events with rotating themes, keeping the street vibrant year-round.





## VENUE ISSUE

The area suffers from social division, limiting interaction between communities.



# COMMUNITY + SUSTAINABILITY SOLUTIONS

8

Sports Gathering Area

A sports fans zone to provide a communal space to watch games, with urban furniture of varying heights to ensure comfort and accessibility for all.

7

Public Art and Murals

Dedicated areas to feature rotating murals, highlighting local artists and Detroit's street art culture.

6

Cultural Hub

An amphitheater to host live performances, art installations, and community festivals, fostering local pride and belonging.





# ADAPTABILITY + SUSTAINABILITY SOLUTIONS



## VENUE ISSUES

The area suffers from poor drainage, leading to water stagnation and flooding after heavy rains.

The lack of trees and green spaces contributes to urban heat islands, poor air quality, and an uninviting atmosphere.

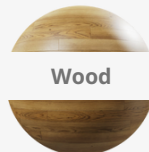
## MATERIALS



Glass



Concrete

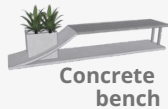


Wood



Steel

## FURNITURE



Concrete bench



Wood bench

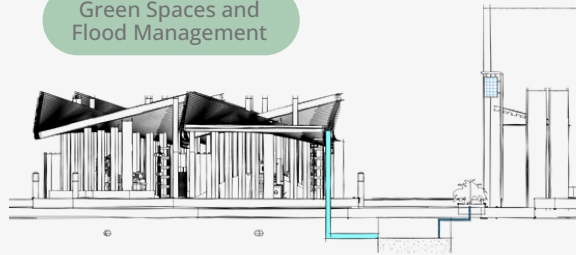


Bike rack

## VENUE SOLUTIONS

9

Green Spaces and Flood Management



An integrated water filtration system to collect rainwater and prevent street flooding.

Native trees and greenery to enhance temperature control, air quality, and aesthetics along the corridor.



## LONG TERM PLAN

### MOBILITY

### Phase 1

The project offers solutions to enhance urban mobility and safety by reducing car lanes, integrating dedicated bicycle lanes, and implementing a pedestrian-centric design. Additionally, it includes the improvement of bus stations, ensuring pedestrian priority in public spaces and fostering a safer, more accessible environment.

### COMMUNITY

### Phase 2

It promotes social, cultural, and economic inclusion by offering public art, pop-up markets, along with a cultural and sports area, which helps address racial segregation as well as poverty through community and economic opportunities that revitalize the surrounding area.

### ADAPTABILITY

### Phase 3

The plan enhances the environmental and aesthetic surroundings while managing frequent flooding through the integration of green spaces with natural drainage systems.

## CONCLUSION

The Mobility City project reimagines Harper Avenue Corridor by shifting from a car-focused past to a future that prioritizes sustainable mobility, community connection, and environmental awareness. Building on Detroit's legacy as the "Motor City," this project reflects the city's industrial history while addressing the need for people-centered urban streets.

As cities evolve, so must their infrastructure. Mobility City is our response to the 21st-century challenges of urban design, where mobility must be sustainable, inclusive, and focused on pedestrians, cyclists, and public transportation. By reducing car dependency and implementing solutions like green spaces and rainwater systems, the project embraces sustainability and climate resilience.

Beyond mobility, Mobility City fosters community by creating spaces for interaction, culture, and inclusion. From markets to art spaces and sports hubs, the design strengthens social ties and revitalizes the neighborhood.

More than just a street redesign, Mobility City serves as a blueprint for the future, where streets are designed for living, not just driving. This project positions Detroit as a leader in the urban mobility revolution, offering a model for sustainability, environmental care, and community cohesion.

**- Join the revolution.**

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