SITE ANALYSIS

Unsafe Biking

Pedestrian/Vehicular Conflict

Narrow Pedestrian

Wide Open Street
HARTFORD RD
Speed limits 35 mph
Contains 6 lanes
In 2017, TOD reported over 8 bike accidents.
BRIDGE CONCEPT

DARLEY PARK DEMOGRAPHIC
Total Population 1,089
- 30% Seniors
- 20% Kids
- 50% Adults

Education Level
- 20% High school
- 20% 1 year college
- 10% 4 years college
- 50% Less high school

Surrounding Schools
- Reach! Partnership School
  Total students 480
- Hartford Heights Elementary
  Total students 320

VACANT LOTS TYPOLOIES
Vacant Houses
- 28% Vacancy
  Darley Park
- 32.3% Vacancy
  Baltimore City

Land Use
- 75% R8 High Density Residential
- 8% OS Open Space
- 17% I1 Light Industrial District

STRATEGIES & PROGRAMS

2019-2020
Vacant Land
- REVIVAL
  Clean up the Contaminate Soil.
  Add up new top soil.

Ecology

2020-2022
Bridge
- CONNECT
  Build up the cross bridge.
  Define bike lanes with surface painting.

Transportation

2022-2025
Installation
- EDUCATION
  Create a bike theme stage
  Terrace Plaza
  Rain garden lab

Social

---

Plant native trees and meadows to clean up the site soil.
Provide a greenery environment.
Increase bio-diversity.

Create a safer biking environment.
Promote a health lifestyle.
Cost-effectively solve the safety issue.

Offer a space for locals to host multiple events
Community collaborates with school to learn urban ecology.
Enhance community identity to attract more population.
CONCEPT

Existing

Elevate

Connect

9 feet elevation change
Contaminated soil

24 feet heights
Retaining Wall
Add new top soils

Pedestrian Bridge

SECTION CUT

PROPOSED SURFACE ELEVATION CHANGE

1. 14 FEET heights

2. 17 FEET height

3. 21 FEET height

4. 24 FEET height

50 feet length Ped/Bike Bridge

Retaining Wall Detail
The new proposed Ped/bike bridge crosses over the railroad, within a 50 feet long, 12 feet wide, and 24 feet height. The railing is 4.5 feet height to ensure safety. Add 15 feet height soil to existing 9 feet grade change between the site and railroad in which to provide a 5% ADA accessible ramp.
The amphitheater functions as a retaining wall to stabilize the elevated slope, and it also serves as a seating area for social events.
Bike Parking
Create 140 bike parking lots.
Improve 4000 sq ft permeable paving.
Enhance 4030 sq ft green space.

The surface is paved with green asphalt painting that visually guides bikes to the bike parking and avoids car traffic.
Add bio-retentions to the existing road to improve stormwater management and ensure safe biking at intersections.

The bollards standing between the alley and street act as stop signs. The painted number on the surface shows the distance from school.

The green wave painting is 50 feet away. It is assigned to warn drivers to slow down.

The surface painted with green asphalt visually guides bike to the bike parking and avoids car traffic.