Youth-Engaged Design and Quick Build Installation

Lauren Marchetti  National Center for Safe Routes to School / PBIC
Melody Gibson  Civic Design Center
Cydney Thompson  Civic Design Center
Renee Espiau  City and County of Honolulu Transportation Department
Housekeeping

- Submit your questions
- Webinar archive: [www.pedbikeinfo.org/webinars](http://www.pedbikeinfo.org/webinars)
- Certificates and professional development hours
- Follow-up email later today
- Review previous episodes and sign up for upcoming sessions
Vision Zero for Youth

Children deserve safe places to walk and bike, starting with the trip to school.

By starting with children and the trip to school, communities become safe places for everyone to walk and bike.
Vision Zero for Youth Advocacy

Build a bridge between youth and city leaders/staff for policy change

  • Technical assistance to two youth-led groups
  • Case study on youth-led road safety efforts informed by 14 interviews

Engaging youth to advance safer streets for all

  • Guide and recommendations

Jacob Smith presenting at UN Meeting on Global Road Safety

Alison Collard de Beaufort as high school student advocating for slower speeds in New York City.
Engaging youth to advance safer streets for all
Recommendations for meaningful youth engagement

The following recommendations are meant to maximize successful partnerships with youth. They address challenges and barriers to success based on the real-life experience of young people. A companion publication, Engaging Youth to Advance Safer Streets for All: Guide and Inspiration for Partnership Between Youth and Adults, provides the background for these recommendations.

Set the stage for success

Expect good intentions.
- Start with a positive outlook.
- Everyone wants the best for their communities.

Create a welcoming environment.
- Create a safe space where everyone feels welcome and comfortable.
- Be willing to listen or shift your mindset.
- Ask questions, especially to get clarification.
- Be patient. Understanding each other takes time and some stumbling around.

Respect each other’s time.
- Everyone’s time is important and needs to be valued.
- Communicate if you need to bow out of a commitment.
- Youth, if you are asked to present at an event and you don’t show up, that adult may be hesitant to ask another youth in the future. Don’t hurt opportunities for your peers.

Respect each other’s knowledge.
- Often each person has a piece of knowledge or perspective that contributes to the solution.
- Youth, you have the lived experience and the direct connections to understand how youth in your community feel and what they would like to see changed. This is your

Partnership ideas
- Helping the city develop transportation plans
- Collecting street and community assessment data
- Developing street designs
- Advocating for young voices to be heard

Nashville students engaged in designing their community.
Source: Civic Design Center.

www.visionzeroforyouth.org/take-action/engaging-youth
Meaningful Youth Engagement

- Helping the city develop transportation plans
- Collecting street and community assessment data
- Developing street designs
- Constructing quick build projects
- Advocating for reduced transit fares for students
- Bringing youth across the country together to advocate for bicycling
- Generating community support for slowing traffic especially around schools.
Orlando, FL used Bike & Roll to School Day to test out a bike lane. This one-day project informed a Quick Build guide for the City of Orlando.

Photo: Bike/Walk Central Florida
Thank you!
CIVIC DESIGN CENTER

It's all about the urban planning ecosystem
MISSION

To advocate for civic design visions and actionable change in communities to improve quality of life for all
WHAT WE TEACH

Knowledge of built environment design

Awareness of community issues

Civic Action strategies for change
HOW IT WORKS

- 3 Week long Project-based learning curriculum in schools
- Community action component
- Early exposure to design + civically-oriented Careers
FEATURE PROJECT: SUSTAINABLE TRANSPORTATION PAINT CHALLENGE
“Adults be talking about how we acting too grown for our age. And they ignoring us sometimes, or saying our phones are taking over, but when things happening that are bad we spread the word online, and we creative and we have ideas about how to make the schools better if they listen.”
MIDDLE SCHOOL STEAM CURRICULUM

HIGH SCHOOL INTERNSHIP
The Nashville Youth Design Team is a diverse group of high school interns who work year-round to make Nashville's neighborhoods more supportive of youth wellbeing.
GOALS OF THE NYDT

- **Understand** how local built environment factors impact youth wellness
- **Engage** in community-based research to understand the current state of the built environment
- **Implement** design interventions to address built environment challenges
- **Advocate** for long-term sustainable change
FEATURE:
DIKERSON PIKE
PEDESTRIAN SAFETY
Number of Youth Interviewed by NYDT

193

Average Youth Wellness Scores

- Environmental
- Financial
- Intellectual
- Mental
- Physical
- Recreational
- Social
- Spiritual

Nashville Youth Wellness Map

Last update: a few seconds ago

Map data © OpenStreetMap contributors, CC-BY-SA

Powered by Esri
Pedestrians Killed in Nashville

Common High Crash Corridors

Data courtesy of Walk Bike Nashville
TACTICAL URBANISM DESIGN

- $2,000 Materials Budget
- Able to be installed by the NYDT over a weekend.
- Approved by Tennessee Department of Transportation (first time ever in TN!).
- Advocate for a long-term solution.
Youth design team installing glow-in-the-dark crosswalks on Dickerson Pike after multiple pedestrian fatalities
Complete Streets Pilot Project

Why Dickerson Pike?

Preliminary Timeline:

- Oct 2022 – Announcement / Kickoff
- Oct 2023 – Planning Complete
- 2026 – Design, ROW, Utility Coordination Complete
- 2027 – Construction Complete
BUS SHELTER PROJECT
THE PROBLEM

Nashville Big Picture High School students don’t have a bus shelter where they wait for the bus for 15-30 minutes with limited places to sit and no shelter from weather conditions such as rain.
ADVOCACY TO WEGO PUBLIC TRANSIT

They said yes!
PLACEMAKING

How I can make this shelter authentic to me and my school.
COMMUNITY ENGAGEMENT

Place a dot on what you would like to see around the bus stop on Charlotte Pike.
CREATING OPPORTUNITIES FOR SUSTAINED ENGAGEMENT
DIVERSE OPPORTUNITIES FOR ENGAGEMENT

Art & Design
Organizing & Activism
Research & Mapping
“Because like sometimes it can, it can be boring and kind of, you know, annoying, but it's more so the people there that make it fun. So like, they kind of make my job enjoyable, which makes me want to, you know, come back.”

- Charlie (3rd year)
INCREASED OPPORTUNITIES AND RESPONSIBILITIES

Youth-Lead Decision Making
Team Leadership
Community Speaking
Attending Community-Based Meetings
COMPENSATION

Compensation further communicates that we believe they bring important information and lived experience to their work.
THANK YOU!

@nashvillyouthdesignteam

nydt@civicdesigncenter.org
ENGAGING YOUTH IN QUICK-BUILD SAFETY PROJECTS

City and County of Honolulu

Renee Espiau, Complete Streets Administrator
August 1, 2023
01.

KALIHI: W. R. FARRINGTON HIGH SCHOOL

The Project was a collaboration with Farrington High School Engineering Academy, StreetPlans, City and County of Honolulu, and Hawaii State Department of Health to improve safety for vulnerable road users in the Kalihi neighborhood.
KALIHI: W. R. FARRINGTON HIGH SCHOOL

- Dense, mixed-use community on edge of urban core
- Title I school: 55% of students on free/reduced-price lunch (up to 100% within complex)
- Additional partners:
  - Councilmember’s Office
  - Ulupono Initiative
  - Blue Zones Project
  - National Park Service
- $50K in SNAP-ED funding through Hawaii Dept of Health
- North King Street is a Principal Urban Arterial with 20K vpd
- 10 months from start to finish
- Additional partners:
  - Councilmember’s Office
  - Ulupono Initiative
  - Blue Zones Project
  - National Park Service
- North King Street is a Principal Urban Arterial with 20K vpd
NEIGHBORHOOD MAPPING

Students at Farrington High School were asked...

How do you get to school?
Where does it feel unsafe?
What areas could be improved for people who walk and bike?
Students identified and voted on potential locations for safety improvements.

SITE SELECTION

Arterial intersection across from high school, fronting public housing complex.

Complicated intersection in a nearby mixed-use commercial district.
DESIGN WORKSHOP

Students collaborated with planners and engineers, drafting mural patterns that are context-sensitive and representative of their school and the neighborhood.
INSPIRATION & GUIDELINES

Is the pattern context sensitive?
No letters, words, or symbols

Represent your school or the Kalihi community
Use earth tones

Use a repeating/abstract pattern
No white or yellow
FINAL PROJECT DESIGNS
INSTALLATION

Images: Courtesy of Ulupono Initiative / ulupono.com
In late 2019, the student leadership class began a partnership with Blue Zones Project to launch a Safe Routes to School program on campus. Through community partnerships, the students assembled a Safe Routes to School Plan and secured funding for a quick-build safety project fronting the school.
Dense residential community on edge of urban core

Title I school: 50% of students on free/reduced-price lunch (up to 100% within complex)

Additional partners:
- Ulupono Initiative
- Local & State elected officials
- Makiki Neighborhood Board
- Honolulu Safe Routes to School Program
- SMS Association of Parents & Teachers
- Honolulu Police Department
- State Department of Health
- ATA Hawaii (pro bono civil engineer)
- Luke DeKneef (artist)
- GP Roadways (striping contractor)

$15K: three small grants from project partners

Prospect Street is a Principal Urban Arterial with 7K vpd

~18 months from start to finish
EVALUATION OF SITE CONDITIONS
DEVELOPING AN ACTION PLAN
PROJECT DESIGN
INSTALLATION

Images: Courtesy of Blue Zones Project
RESULTS & IMPACT

WALKING DISTANCES DROPPED BY 20-40%

EXPOSED TIME TO CROSS PROSPECT STREET DROPPED BY 55%

HELPED ON AVERAGE 190 PEOPLE CROSS MORE SAFELY EVERY DAY

Image: Courtesy of Ulupono Initiative / ulupono.com
**LESSONS LEARNED**

01. **ENGAGE YOUTH EARLY**
   Involve youth in all stages of project development, including evaluation.

02. **RECLAIM EXCESS SPACE**
   Hatched areas and parking lanes are perfect candidates (be mindful of buses and turning vehicles).

03. **PROTECT YOUR ART**
   Use vertical materials to slow traffic and extend the life of mural art.

04. **PLAN FOR MAINTENANCE**
   Keep volunteers engaged through regular maintenance events.

05. **MATERIALS MATTER**
   Find the sweet spot between durability and ease of installation.

06. **MAKE IT PERMANENT**
   Program funds to upgrade the installation with higher-quality materials.
Kāpala Toolbox

Design, process, and materials guidance for the delivery of community-led roadway art projects on City & County of Honolulu streets.

kāpala / kā.pala /
To paint or print a design, to smear, stamp, smudge, blot, dab, stain, spot.

February 2023

Kāpala Toolbox

Checklist

PLANNING
- Initiate project discussions with the Department of Transportation Services (DTS)
- Take site photos before installation and collect pre-installation data
- Organize a project team
- Create initial artwork layout and design
- Develop project materials plan
- Develop project budget

OUTREACH
- Present to neighborhood board(s)
- Notify local businesses
- Present to other local stakeholders
- Signup Volunteers

APPLICATION PROCESS
- Receive approval on final design from DTS
- If required, apply for a Street Usage Permit and submit a Traffic Control Plan
- Submit application to the Mayor’s Office of Culture and Arts (MOCA)
- Present to MOCA’s Commission on Culture and Arts and receive artwork approval from MOCA

INSTALLATION
- Finalize installation and rain dates
- Schedule materials delivery and secure delivery location
- Create an installation day schedule, and identify parking and restroom locations
- Prepare volunteer sign-in sheet and waivers
- Site cleaning and preparation
- On installation day bring a tent, table, chairs, water, cups, safety vests, trash bags, etc.

POST-INSTALLATION
- Take post-installation photos
- Collect post-installation data
- Determine maintenance agreement with the Mālama O Ka ‘Āina (MDKA) program if required
- Maintain project site
- Celebrate your project’s completion!
ASK | LEARN | SHARE | CONNECT
www.honolulu.gov/completestreets
www.instagram.com/hnl.completestreets

• View Community Resources
• Sign up for our mailing list
• Learn about Complete Streets projects
• Provide feedback and get involved!
Discussion

⇒ Send us your questions

⇒ Follow up with us:
  ⇒ General Inquiries  pbic@pedbikeinfo.org

⇒ Archive at  www.pedbikeinfo.org/webinars