

# Citywide Steps Assessment



CITY OF PITTSBURGH

*Department of Mobility and Infrastructure*

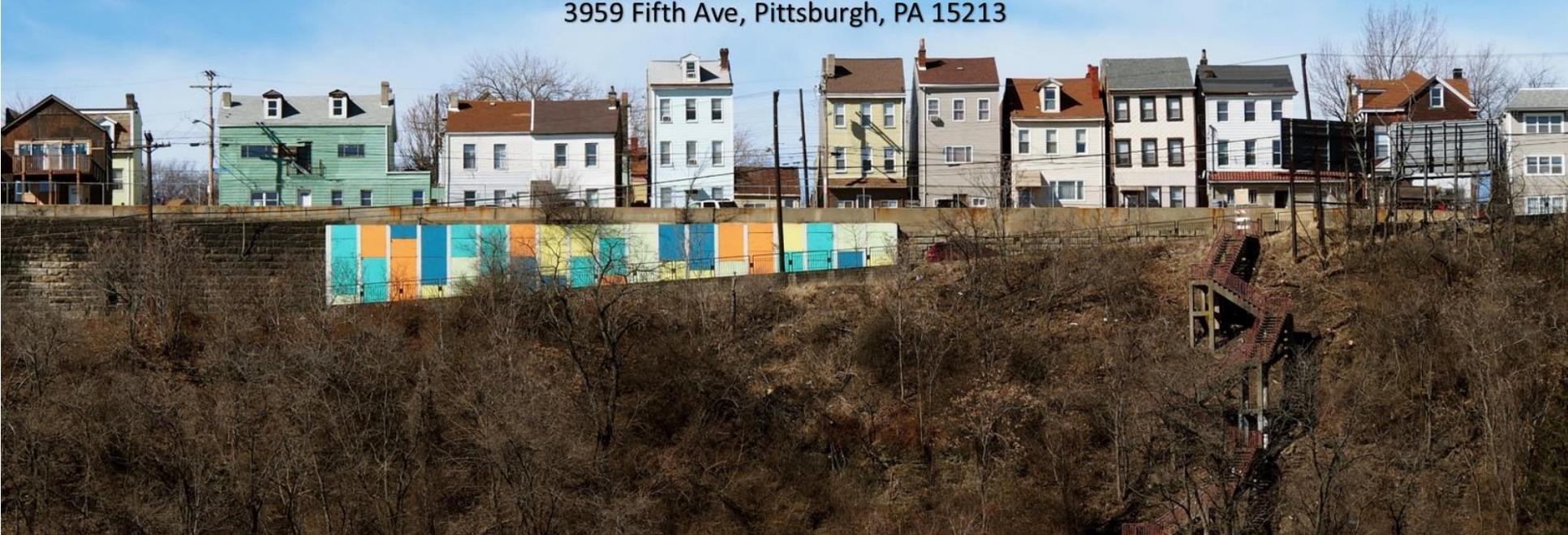
## Pittsburgh Step Plan Kick-Off Meeting

July 27, 2017 from 6-8pm

William Pitt Ballroom

University of Pittsburgh

3959 Fifth Ave, Pittsburgh, PA 15213



# Welcome

## City Team



## Consultant Team



## Supported by



# About Pittsburgh's Steps

- Steps are the City's first transportation system
- Critical part of the overall pedestrian network
- Link people to schools, bus stops, parks and other destinations



*Photo: City of Pittsburgh*



*Photo: Burgh's Eye View*



*Photos: Toole Design Group*



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# About Pittsburgh's Steps

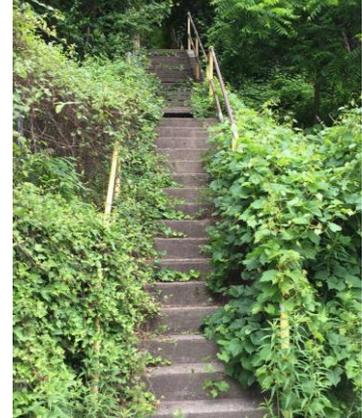
- The challenge: 800+ Steps
- Maintenance, repair, replacement
- Jumpwalks
- Staging – like “mini bridge projects”



*Photos: Toole Design Group*



*Photos: Scott Bricker*



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# Project Goals and Outcomes

- Prioritize staircases for replacement
- Recommend typical designs and materials
- Produce an investment plan

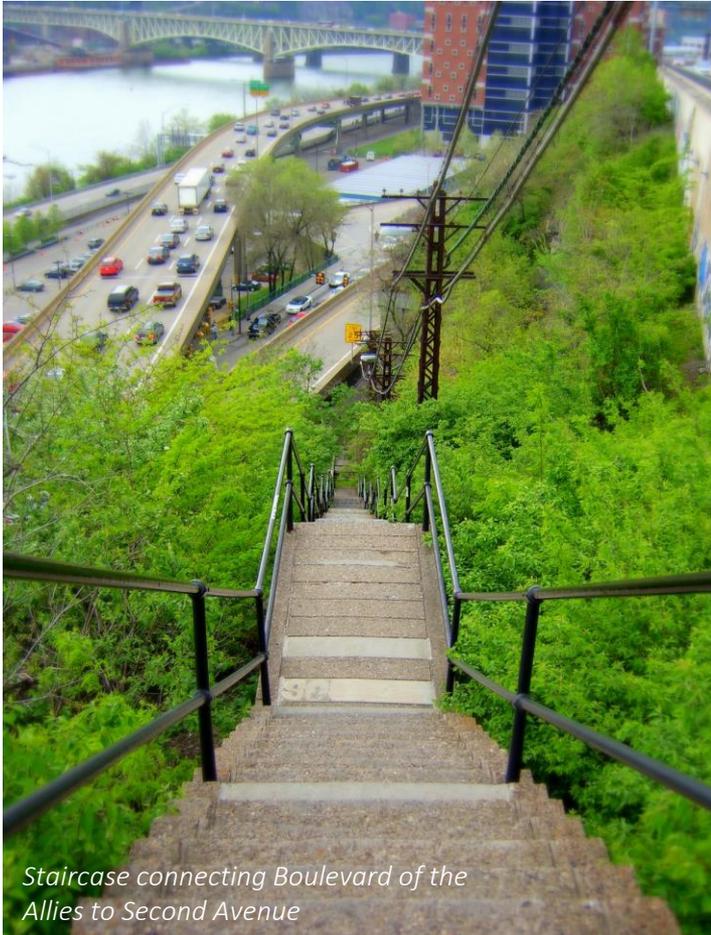


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# What We Are Going To Do

## *Step by Step*



*Staircase connecting Boulevard of the Allies to Second Avenue*

- Step 1: Public Outreach
- Step 2: Analysis
- Step 3: Materials & Design
- Step 4: Investment Plan

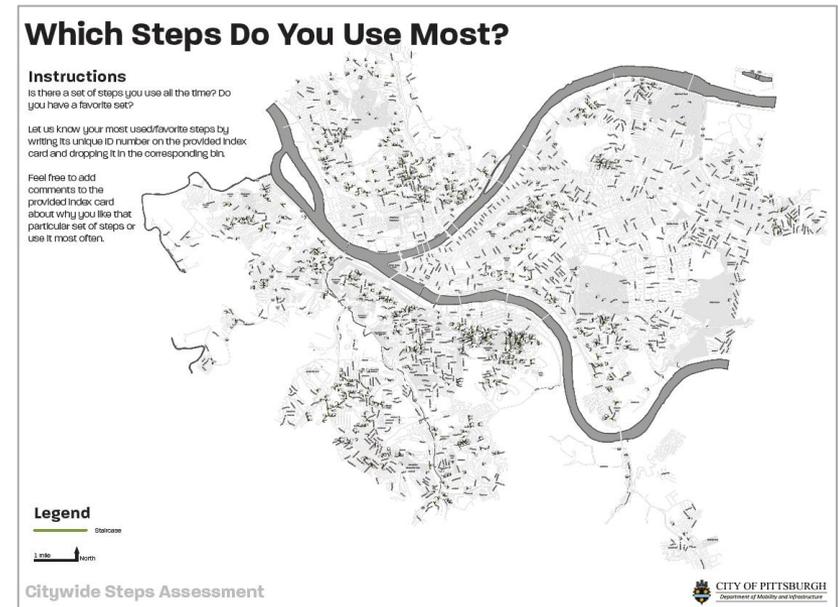


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# Step 1: Public Outreach

- This meeting (hello!)
- Neighborhood meetings
- WikiMap
- Text voting (September/October)
- Recap public meeting (Fall)



# Step 2: Analysis

- Destinations
- Directness



## What Makes a Staircase Important?

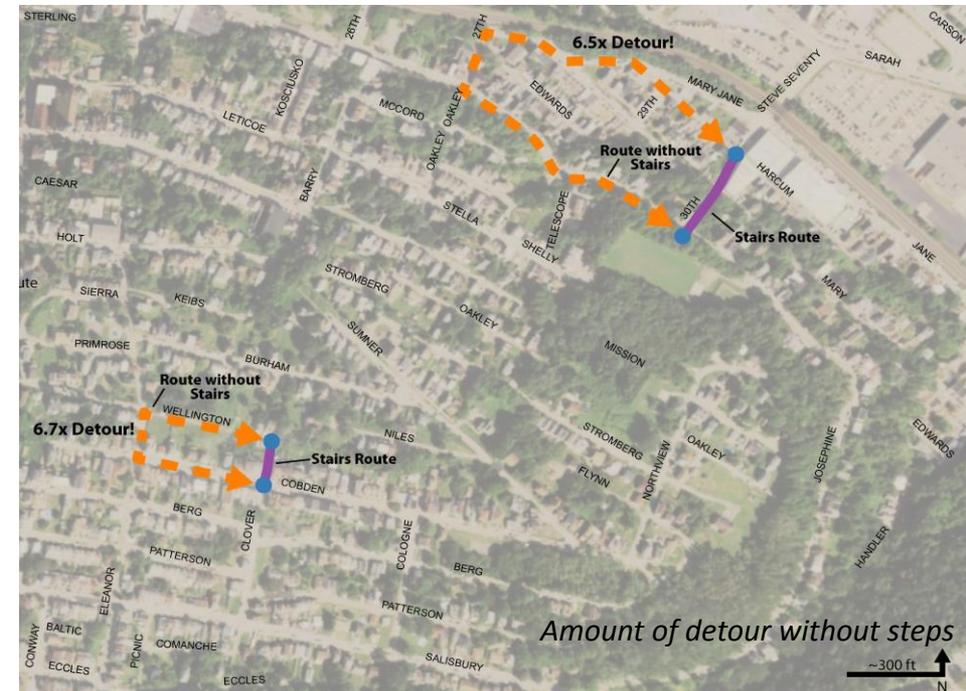
**Instructions**  
Staircases will be prioritized for improvements based on several factors. While these factors could have equal weight, it may be the case that you believe one or more factors should carry greater weight in the prioritization process.

Below are the five potential factors the Project Team will consider. Please distribute the tokens you've been provided between these factors by placing tokens in the factor bins based on how important you think that factor is. For instance, if you think "Directness" is the most important factor, put most of your tokens in the "Directness" bin. If you don't think "Destination Access" is an important factor, don't put any tokens in the "Destination Access" bin.

After the meeting, the Project Team will add up the tokens in each of the factor bins to help determine factor weighting.

| Destination Access                                                                                                                                                          | Directness                                                           | User Safety                                                                      | Usage                                                                 | Cultural Significance                                           | Other                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| The number of destinations like schools, transit, grocery stores, recreation centers, government buildings, etc. are available within a walkable distance of the staircase. | If the staircase were removed, how much longer would your trip take? | How many safety issues were reported in the immediate vicinity of the staircase? | How often people use stairs (or avoid according to the posted signs)? | Is a specific staircase culturally or historically significant? | Is there another factor or factors you think should be considered for this project? (Please describe importance.) |
|                                                                                                                                                                             |                                                                      |                                                                                  |                                                                       |                                                                 |                                                                                                                   |

If you put tokens in the "Other" bin, please share your thoughts on nearby assets.



Amount of detour without steps

# Step 2: Analysis

- Safety
- Usage

### What Makes a Staircase Important?

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| Destination Access                                                                                                                                                      | Directness                                                                          | User Safety                                                                                | Usage                                                                              | Cultural Significance                                                          | Other                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <small>The number of destinations like schools, transit stops, parks, recreation centers, grocery stores, shopping centers is within 1/4 mile of the staircase.</small> | <small>If the staircase were removed, how much longer would your trip take?</small> | <small>How many injuries were reported in the immediate vicinity of the staircase?</small> | <small>How often people use stairs? (also according to the posted 311map).</small> | <small>Is a specific staircase culturally or historically significant?</small> | <small>Is there another factor or factors you think should be considered to help prioritize staircase improvement(s)?</small> |
|                                                                                                                                                                         |                                                                                     |                                                                                            |                                                                                    |                                                                                |                                                                                                                               |

If you put tokens in the "Other" bin, please share your thoughts on nearby essays.

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Rising Main

# Step 2: Analysis

- Cultural significance

### What Makes a Staircase Important?

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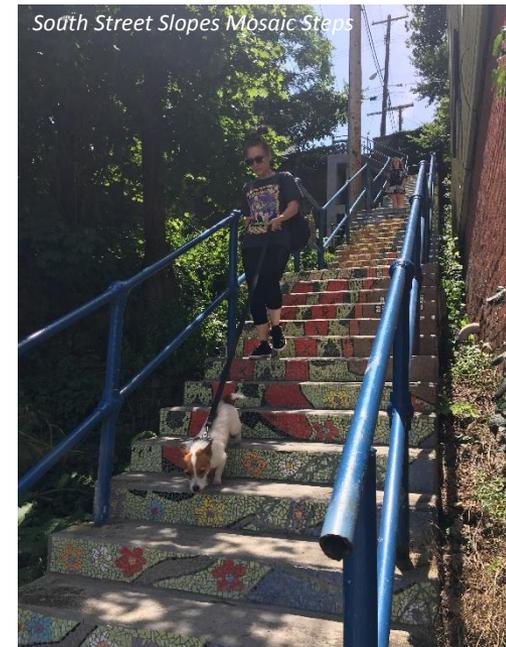
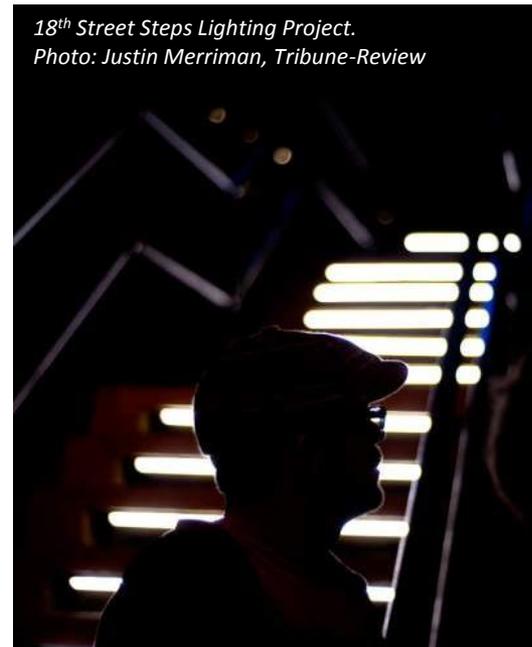
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| Destination Access                                                                                                                              | Directness                                                          | User Safety                                                                 | Usage                                                                  | Cultural Significance                                     | Other                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| The number of destinations the nearby street steps leads, including on-street, ground-level, off-street and in a quarter-mile of the staircase. | If the staircase was removed, how much longer would your trip last? | How many injuries were reported in the immediate vicinity of the staircase? | How often people use specific steps according to the project site map. | Is this staircase culturally or historically significant? | Is there another factor or factors you think should be considered to help prioritize staircases represented? |
|                                                                                                                                                 |                                                                     |                                                                             |                                                                        |                                                           |                                                                                                              |

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Department of Health and Rehabilitation



# Step 3: Design and Materials

- Best practices
- Field work
- Materials
- Lifecycle costs



## Materials and Design

All staircases will include:



## What is a standard staircase priority?

As we begin prioritizing staircase improvement and replacement, share your preferences for different staircase components (tread, railing, structure, etc) with us.

Place the six provided dots under your preferred staircase components. If there are particular components you really like, feel free to support them with multiple dots.

### Tread



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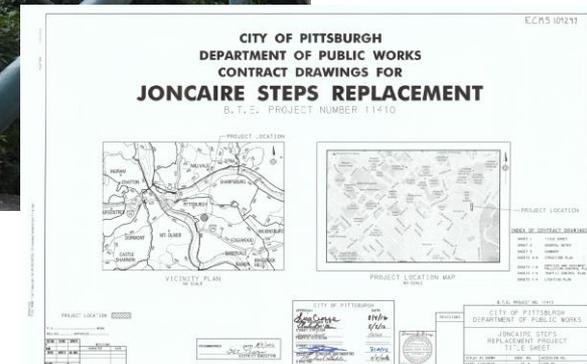
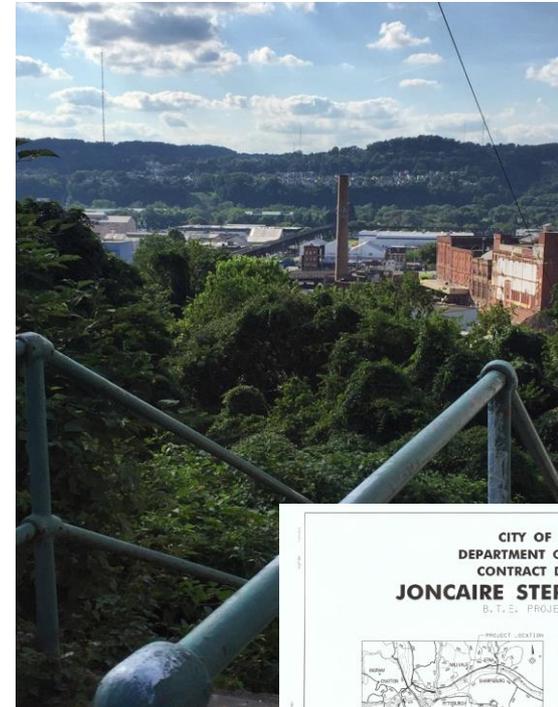
# Step 4: Maintenance & Investment Plan

- Funding methods
- Investment plan

**Pedestrian and Bicycle Funding Opportunities / U.S. Department of Transportation Transit, Highway, and Safety Funds**

Key: \$ = Funds may be used for this activity (restrictions may apply). \$\* = See program-specific notes for restrictions. ~\$ = Eligible, but not competitive unless part of a larger project.

| Activity or Project Type                                                  | TIGER | TIEIA | ETA | ATI | CMAQ | HSIP | NHPP | SIBG | IA    | RTP | SRTS | PLAN | NHTSA 402 | NHTSA 405 | ELTP |    |
|---------------------------------------------------------------------------|-------|-------|-----|-----|------|------|------|------|-------|-----|------|------|-----------|-----------|------|----|
| Access enhancements to public transportation (includes benches, bus pads) | \$    | \$    | \$  | \$  | \$   |      | \$   | \$   | \$    |     |      |      |           |           |      | \$ |
| ADA/504 Self Evaluation / Transition Plan                                 |       |       |     |     |      |      |      | \$   | \$    | \$  |      | \$   |           |           |      | \$ |
| Bicycle plans                                                             |       |       | \$  |     |      |      |      | \$   | \$    |     | \$   | \$   |           |           |      | \$ |
| Bicycle helmets (project or training related)                             |       |       |     |     |      |      |      | \$   | SSRTS |     | \$   |      | \$*       |           |      |    |
| Bicycle helmets (safety promotion)                                        |       |       |     |     |      |      |      | \$   | SSRTS |     | \$   |      |           |           |      |    |
| Bicycle lanes on road                                                     | \$    | \$    | \$  | \$  | \$   | \$   | \$   | \$   | \$    | \$  | \$   |      |           |           |      | \$ |
| Bicycle parking                                                           | ~\$   | ~\$   | \$  | \$  | \$   |      | \$   | \$   | \$    | \$  | \$   |      |           |           |      | \$ |
| Bike racks on transit                                                     | \$    | \$    | \$  | \$  | \$   |      |      | \$   | \$    |     |      |      |           |           |      | \$ |
| Bicycle share (capital and equipment; not operations)                     | \$    | \$    | \$  | \$  | \$   |      | \$   | \$   | \$    |     |      |      |           |           |      | \$ |
| Bicycle storage or service centers at transit hubs                        | ~\$   | ~\$   | \$  | \$  | \$   |      |      | \$   | \$    |     |      |      |           |           |      | \$ |
| Bridges / overcrossings for pedestrians and/or bicyclists                 | \$    | \$    | \$  | \$  | \$*  | \$   | \$   | \$   | \$    | \$  | \$   |      |           |           |      | \$ |



# Project Schedule

|   |                                 | July                     | Aug                    | Sept                                    | Oct                                       | Nov                     | Dec | Jan | Feb | March        | April |
|---|---------------------------------|--------------------------|------------------------|-----------------------------------------|-------------------------------------------|-------------------------|-----|-----|-----|--------------|-------|
| 1 | Outreach and Analysis           | Citywide Meeting<br>7/27 | WikiMap<br>closes 8/31 | Text Message Voting<br>Sept 14 - Oct 16 |                                           | Citywide Meeting<br>TBD |     |     |     |              |       |
|   |                                 |                          | Neighborhood Meetings  |                                         |                                           |                         |     |     |     |              |       |
| 2 | Research and Analysis           |                          | Prioritized Steps      |                                         | Prioritized Steps with<br>Community Input |                         |     |     |     |              |       |
| 3 | Design and Material Guidelines  |                          |                        | Best Practices                          | Draft Design and<br>Materials Guidelines  |                         |     |     |     |              |       |
| 4 | Maintenance and Investment Plan |                          |                        |                                         |                                           |                         |     |     |     | Final Report |       |



# Today's Meeting

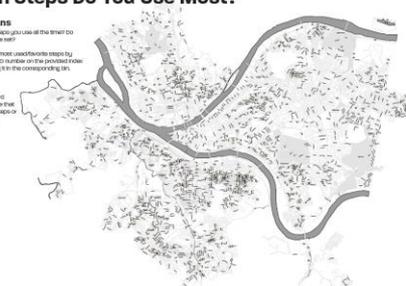
- Opportunity Analysis
- Community's role
- Two citywide steps maps
- Weighting criteria
- Types of improvements
- Materials and design
- Children's station
- WikiMap station

### Which Steps Do You Use Most?

**Instructions**  
In these areas of the map you use all the time to get to the other side.

Let us know your most used stairs step by step by clicking on the number on the provided road and dropping it in the corresponding bin.

Please do not add comments in the provided text area about why you like the particular set of steps or use them often.



**Legend**

Citywide Steps Assessment

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### What Makes a Staircase Important?

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>The number of destinations, including transit centers, that can be reached from the staircase.</p> |  <p>If the staircase can be reached from the intended origin of the intended trip.</p> |  <p>Are safety concerns reported in the intended vicinity of the staircase?</p> |  <p>Are other people likely to often use the staircase?</p> |  <p>Is a specific staircase a landmark or otherwise significant?</p> |  <p>Is there another factor or factors you think are important but not included in the other categories?</p> |

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### Materials and Design

**All staircases will include:**



**What is a standard staircase priority?**

As we begin prioritizing staircase improvement and replacement, share your preferences for different staircase components (tread, railing, structure, etc.) with us.

Place the six provided dots under your preferred staircase components you really like, feel free to support them with multiple dots.

**Tread**



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TRUCK & BUS ACCESSIBILITY CENTER  
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### Pittsburgh City Steps Survey



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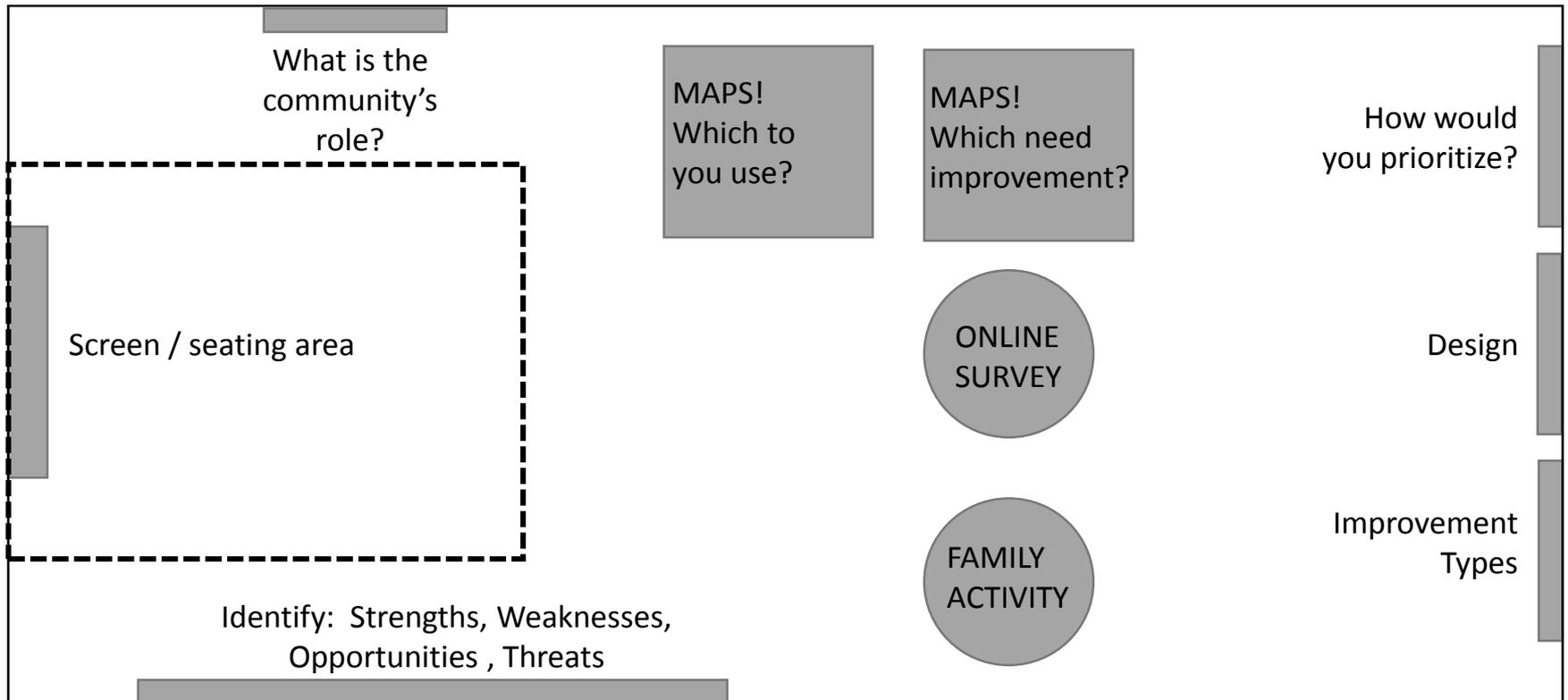
# Tell Your Friends!

- Website: <http://pittsburghpa.gov/dcp/steps>
- WikiMap: <http://wikimapping.com/wikimap/Pittsburgh-Citywide-Steps-Assessment.html>
- Attend Neighborhood Meetings



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# Today's Meeting





QUESTIONS?