DVRPC’s Sidewalk Inventory Project

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Three Components

1. Regional GIS Dataset
2. Online public engagement platform
3. Pedestrian Facilities and Planning Portal

Photo credit: Mark Mathosian - https://www.flickr.com/photos/markgregory/28197098672
## Timeline

<table>
<thead>
<tr>
<th>Task</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory development, PA</td>
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<tr>
<td>Inventory development, NJ</td>
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<tr>
<td>Inventory web viewer and engagement</td>
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<td>platform development and promotion</td>
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<tr>
<td>Maintenance and planning platform</td>
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<td>development, PA</td>
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<td>Maintenance and planning platform</td>
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<tr>
<td>adaptation, NJ</td>
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*Timeline for the Sidewalk Inventory Project*
To assist with planning efforts to help communities in the region become more pedestrian-friendly and accessible, DVRPC is developing a new **regional sidewalk inventory** and an **online platform** for a shared regional conversation on local and regional walkability.
Examples of Sidewalk Inventories

Chester County, PA
Examples of Sidewalk Inventories

Montgomery County, PA
Examples of Sidewalk Inventories

In our region: Where the sidewalk ends...
What do stakeholders want in a sidewalk inventory?
SURVEY RESULTS

We surveyed DVRPC staff in Winter 2017 and received 32 responses.

We surveyed municipalities/related organizations in Summer 2017 and received 140 responses.
8. If you had access to a sidewalk inventory, what would you use it for? (Check all that apply.) \{136 responses\}

- Asset management \textbf{42}\%
- Cartographic mapping (i.e. to visualize sidewalk data) \textbf{51}\%
- Network routing (i.e. pedestrian routing, modeling) \textbf{57}\%
- Calculation purposes (i.e. to calculate mileage and gaps; set goals for connectivity) \textbf{60}\%
- Other \textbf{16}\%
SURVEY RESULTS

What kinds of attributes would you like the sidewalk inventory to have?

- Sidewalk Presence
- Sidewalk Width
- Curb Ramp Presence
- Sidewalk Condition
- Sidewalk Obstructions
- Sidewalk Slope
- Curb Ramp Characteristics
- Sidewalk Material

Staff responses

9. What attributes of a sidewalk inventory are most important to you? (Check all that apply.) {140 responses}
- Sidewalk Presence 83%
- Sidewalk Condition 70%
- Sidewalk Obstructions 47%
- Sidewalk Width 47%
- Sidewalk Material 29%
- Sidewalk Slope 24%
- Curb Ramp Presence 59%
- Curb Ramp Characteristics (Material, Type, Slope) 29%
- Other 10%

Municipality responses
SURVEY RESULTS

For future reference, what additional pedestrian facility data would like to have?

Answered: 30  Skipped: 2

<table>
<thead>
<tr>
<th>Answer Choices</th>
<th>Responses</th>
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</thead>
<tbody>
<tr>
<td>Crosswalk Presence</td>
<td>96.67%</td>
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<tr>
<td>Pedestrian Signalization Type</td>
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<tr>
<td>Crosswalk Characteristics (Material, Type, Width)</td>
<td>50.00%</td>
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<tr>
<td>Pedestrian Signal Special Features</td>
<td>40.00%</td>
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<tr>
<td>Other (please specify)</td>
<td>26.67%</td>
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Total Respondents: 30
DVRPC’s Sidewalk Inventory

THE PLAN
- Select a consultant to create seamless, standardized GIS dataset of sidewalks in the DVRPC region
- Build from existing networks
- Create new features where datasets don’t exist
- Includes the following pedestrian facilities
  • Crosswalks
  • Multipurpose trails and other non-sidewalk pedestrian facilities
  • Curb ramps/ADA pedestrian facilities

FY18: DVRPC’s PA Counties
FY19: DVRPC’s NJ Counties
What we’d like to do with the regional sidewalk inventory

• Continue to improve the inventory

• Share the product with our planning partners through an online platform
Pedestrian Facilities and Planning Portal

This portal will provide a space to allow collaboration between local and regional planning partners working on pedestrian improvements. This secure online interface will (1) provide access to and accommodate maintenance of the regional sidewalk inventory by local entities and (2) to allow local and regional planning partners to share their pedestrian facility priorities (such as those identified in their comprehensive/master plans or those for which they seek grant funding) on an interactive map. Work will begin in Pennsylvania to support PennDOT Connects, and later be adapted as the sidewalk inventory extends into our New Jersey counties.
Questions?

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