Regional Bicycle and Pedestrian Counts

BPAG

May 18, 2022
Agenda

- Overview
- Regional Bicycle and Pedestrian Count Program
- Pilot Project Update
- Spring Counts
- Next Steps
Overview

• Traffic Count Contract
  – Three year contract with AMT Consulting
  – Contract includes ability to conduct bicycle and pedestrian counts

• Fall 2021 Pilot Project
  – One count site in each jurisdiction (total eight)
  – Continuing data cleanup and analysis

• Developing Regional Count Program
  – Informed by pilot project and spring 2022 count
  – Current focus:
    o Project specific: before/after counts, potential permanent counter locations, safety assessments
  – Potential expansion into cyclical counts
  – Develop in coordination with BPAG members, member jurisdictions, and planning partners
Regional Bicycle and Pedestrian Count Program

• Weeklong counts conducted throughout the region on a project specific basis
  – Project specific counts: before/after counts, potential permanent counter locations, safety assessments

• Development of program
  – Create list of project specific count locations
    ○ Detailed description of count need, timing, and goals/purpose
    ○ Latitude/Longitude
    ○ And more
  – Continue to assess achievable program goals
  – Create data management and sharing plan
  – Explore resources required for data analysis and use
Recommended Goals

Inform prioritization of bike/ped improvements

Begin process to determine baseline bike/ped volumes

Track before/after volumes in locations with improvements

Determine user type (commuter, recreational, mix)

Assist in the selection of continuous count locations

Contribute to statewide bike/ped count database

Document increase/decrease of users on a facility over time

Leverage the use of emerging technologies
Pilot Project: Bicycle and Pedestrian Counts

- Weeklong counts conducted in October 2021
- One count site in each jurisdiction (eight total)
- Located on a variety of facilities
- Selected through input by BPAG members
Queen Anne’s County
Cross Island Trail

![Bar chart showing the number of pedestrians and bicyclists on different days of the week.]

- **Monday**: 237 Pedestrians, 152 Bicyclists
- **Tuesday**: 196 Pedestrians, 60 Bicyclists
- **Wednesday**: 246 Pedestrians, 188 Bicyclists
- **Thursday**: 257 Pedestrians, 211 Bicyclists
- **Friday**: 261 Pedestrians, 185 Bicyclists
- **Saturday**: 308 Pedestrians, 207 Bicyclists
- **Sunday**: 286 Pedestrians, 224 Bicyclists

Legend:
- Blue: Pedestrians
- Green: Bicyclists
Pilot Project: Lessons Learned

• **General**
  – Reemphasize screenline vs turning movement count requirements to consultant
  – Ensure screenline count locations are at pinch points
  – Clearly defined goals set for each count location

• **Equipment Deployment**
  – Notify BMC in advance of deployment date for a count location
  – Place equipment on ROW on non-residential property as first choice
  – Notify BMC if count location needs to be moved

• **Deliverables**
  – Consistent ID numbers for approaches
  – 15-min interval volume summary
Howard County: Montgomery Road at Steepridge Drive

- **Project specific count**
  - May/June 2022
  - While school is in session

- **Description**
  - New sidewalk is being installed on both sides of Montgomery Rd between Rowanberry Dr and Timberlee Rd
  - New pedestrian crossing across Montgomery Rd with refuge island just west of Steepridge Dr

- **Purpose**
  - Quantify change in bicycle and pedestrian volumes after implementation of new sidewalks and pedestrian crossing
Howard County: Montgomery Road at Steepridge Drive

Ped/Bicycle Crosswalk Count

Pedestrian Screenline Counts
Howard County: Montgomery Road at Steepridge Drive

On Road Bicycle Count

Montgomery Rd

Steepridge Dr
Example Count Spreadsheets

- **Crosswalk Count**

<table>
<thead>
<tr>
<th>HOUR ENDING</th>
<th>South Crosswalk</th>
<th>East Crosswalk</th>
<th>West Crosswalk</th>
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- **Screenline Count**

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Example Count Spreadsheets

- Turning Movement Count

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## Next Steps

<table>
<thead>
<tr>
<th>Month</th>
<th>Activity</th>
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<tbody>
<tr>
<td>May</td>
<td>Consultant conduct counts with updated turning movement, screenline, and crosswalk spreadsheets</td>
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<tr>
<td>June</td>
<td>Consultant processes data</td>
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<tr>
<td>July 20</td>
<td>BMC staff present count data to BPAG</td>
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<td>July/August</td>
<td>Fall count locations are updated/submitted and selected</td>
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<td>September/October</td>
<td>Potential months for fall counts</td>
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For More Information

Charlene Mingus | Active Transportation Planner
410.732.0500 x1008 | cmingus@baltometro.org | www.baltometro.org