Overview

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• Proposed program
  ▪ Manual counts
  ▪ Automated counts
• Next steps
# Count Program Goals

**Primary goals**
- Baseline data and trends
- Assess return on investment
- Accurate safety analysis
- Travel model enhancement

**Secondary goals**
- Communicate role of bicycle and pedestrian facilities in transportation system
- Provide data for interested researchers
- Leverage funding

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## Current Count Program

**Manual Counts**
- 63 locations counted from 2010-2014
- One day, two 2-hour periods between Sept-Oct
  - PM (4-6) and Midday (12-2) OR
  - PM (4-6) and School (2-4)
- Contracted with traffic counting firm
- In person counts
- No counts in 2015 due to need to revisit program design

**Automated Counts**
- Two in-pavement counters
- Two moveable trail counters
- Permanent trail counter installed as part of East Bay Greenway
- Challenges with maintenance of counters
Manual vs. Automated Counters

Proposed program – manual counts

- Increase from 63 sites to 150 sites
- Two groups of 75 sites, each counted biennially
  - 50 counted for 4 hours
  - 25 counted for 2 hours
- Switch from in person counts to video processing
  - Sample some locations to collect gender and helmet information
Proposed program – manual count location selection

- Retain all of current 63 locations
- New locations allocated based on population
- Additional locations selected based on:
  - Proximity to transit
  - Proximity to activity centers
  - Bicycle/pedestrian collision history
  - Proximity to Safe Routes to Schools sites
  - Overall coverage
- **Comments on proposed locations due by July 29**

Proposed program – automated counts

- Alameda CTC to support increase in deployment of automated counters
- Partnership with local agencies
  - Alameda CTC – equipment purchase
  - Local agency – install and maintain
- Up to 20 new counters
- Priority to interjurisdictional trail locations
- **Express interest by July 29**
Proposed program – automated count local agency options

<table>
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<tr>
<th></th>
<th>Non-permanent trail counters</th>
<th>Permanent trail counter</th>
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<tr>
<td>Equipment purchase</td>
<td>Alameda CTC</td>
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<tr>
<td>Installation</td>
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<td></td>
<td>OPTIONAL – rotation to</td>
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<tr>
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<td>throughout year</td>
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<tr>
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Automated count sample data

East Bay Greenway South of 75th Avenue, Sept 1, 2015 – Dec 31, 2015

Fri Nov 6
Automated Count Sample Data

East Bay Greenway South of 75th Avenue, Sept 1, 2015 – Dec 31, 2015

Average Percent of Daily Volume by Hour of Day

Hour of Day (12 midnight to 12 midnight)

Automated Count Sample Data

East Bay Greenway South of 75th Avenue, Sept 1, 2015 – Dec 31, 2015

Average Count by Day

Day of Week (Monday to Sunday)
Next steps

• Manual counts
  ▪ July 29 – comments on proposed locations due to Alameda CTC
  ▪ August – finalize locations
  ▪ September/October 2016 and 2017 – collect data

• Automated counts
  ▪ July 29 – cities express interest to Alameda CTC
  ▪ August/September – develop MOUs with interested cities for counter deployment
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