

Trail Counting Technology

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Trail Counting

METHODS & TECHNOLOGY

OUR EXPERIENCE



Counting Methods

- Manual counts
- Pneumatic tubes
- Inductive loops
- Passive infrared
- Automated video counters
- Active infrared
- Piezoelectric strips

NCHRP
REPORT 797

Guidbook on Pedestrian and
Bicycle Volume Data Collection

TRANSPORTATION RESEARCH BOARD

Pneumatic Tubes

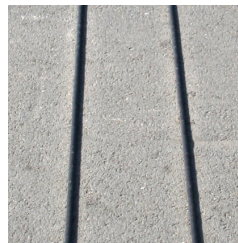


Photo source: eco-compteur.com/en

- Some portable, some permanent
- Measures speed and direction
- Great for groups
- Do not count pedestrians
- Many transportation agencies already use tubes

Inductive Loops

- Specific to bicycles
- Permanent placement
- Can offer automatic data transmission

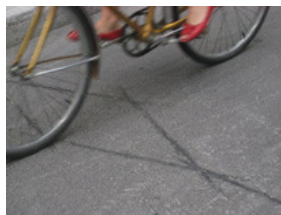


Photo source: eco-compteur.com/en

Inductive Loops



Photo source: eco-compteur.com/en

Passive Infrared



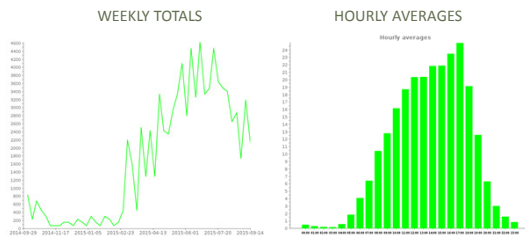
- Relatively low cost
- Count everything with a heat signature
- Issues with users travelling side-by-side
- Used as permanent or portable counter
- Easy installation & data retrieval

Bi-State's Trail Counting Program

- 12 TRAFx counters total
- Purchased in 2012
- Loaned to member governments
- City decides where to locate
- City assumes responsibility
- Installed by Bi-State
- Some sites with 50+ weeks of data
- Some data anomalies



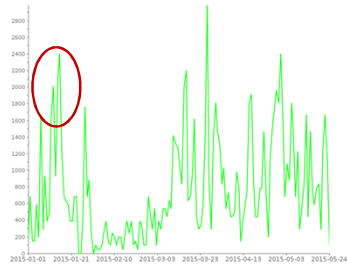
Bi-State's Trail Counting Program



Rock Island, IL Daily totals: 7/3/15 – 8/9/15



Davenport, IA 1/1/15 – 5/24/15



Thank You!

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