Continuous Count Contracts - Issues and Concerns

Andrew Haynes
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What is a continuous count site?

• Permanent sensors
  • In Road or Non-Intrusive
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• Remote Communications

• Permanent sensors
  • In Road or Non-Intrusive
• Remote Communications
• Solar Power
Where are Continuous Counts Located

• ~175 sites throughout the State

• From Interstates to County Roads

AADTs range from ~1000 to ~170000

What Type of Data is Collected?

• Volume
• Vehicle Classification
• Speed
• Weigh in Motion (WIM)
What is Continuous Count Data used for?

- Seasonal Factoring
- Growth Rate Calculation
- Design Hour Volumes
- Heavy Vehicle Trends
- Load Equivalency Factor

How are these sites maintained?

- Main Office Crews
- Maintenance Contracts

Note: Dean moved on. Rich is now in charge....
Main Office Crews

• Repair or Upgrade Counters
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• Repair or Upgrade Modems
• Repair or Upgrade Solar Charging System
• Occasional Grout or Pull Box repair
• Occasional Cabinet repair
• Annual Site Inspections
• No in pavement work!
Maintenance Contracts

• Annual Inspections
• Repair or Replace broken equipment
• Clean and organize cabinets
• Resplice Loops
• Reset Modems
• Restart Counters
Maintenance Contracts

• Test Sensors
• Replace Sensors
• Reprogram Counters
• Upgrade Sites
• Install New Sites
• Software
How well does all of this work?

Sites with 10 or more Months

<table>
<thead>
<tr>
<th>Year</th>
<th>Sites</th>
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</thead>
<tbody>
<tr>
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<td>2018</td>
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</table>
What can cause a site to fail?

- Roadwork - Sites are susceptible to milling
- Contracts Ending
- Permit issues with Municipalities
- Weather

What changes have been made?

- Increased Damages
- Added an end of contract inspection
What else can we do?

• Over and Above only contracts
• Rate increase based on percentage of counters functioning
• Better Quality Control

What else can we do?

• Better define penalties for weather delay
• Remove Software requirements
• Increase windows for applying damages
• Build in window for NYC rules
Any Questions??

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