PRACTICAL VIEWS ON NEW SURVEY TECHNOLOGY Scott Benjamin General Manager, Austraffic (Victoria) IPENZ 2014 LIPENZ 2014

NSW VIC GLD SA WA NI ACT TAS

Data Requirements

Key points:

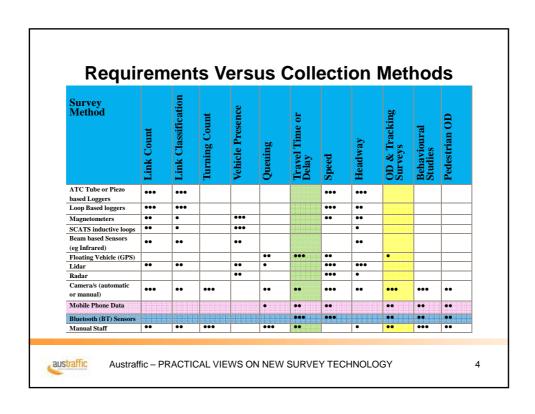
- What do you need it for? Beyond your immediate use what will others use it for? Need for "Health Warning"
- 2) Importance of outliers learn to embrace them
- 3) Importance of blending of data (not for today!)

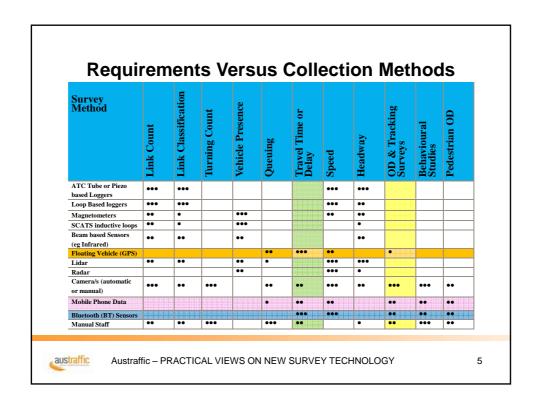
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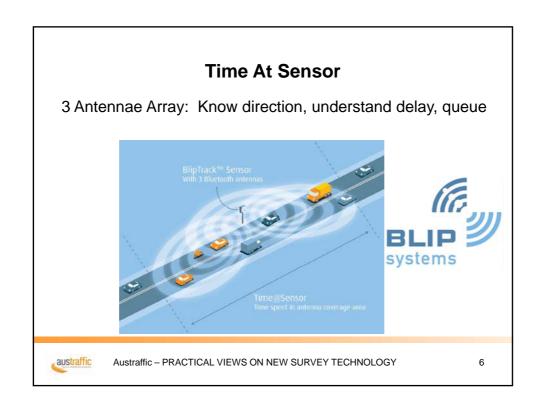
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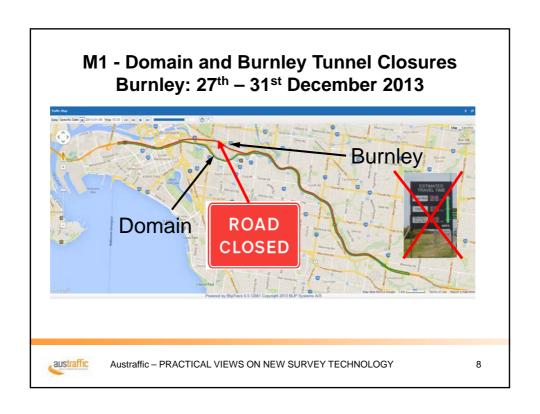
| Requirements Versus Collection Methods | | | | | | | | | | | |
|--|------------|---------------------|---------------|------------------|---------|-------------------------|-------|---------|--------------------------|------------------------|---------------|
| Survey Method | Link Count | Link Classification | Turning Count | Vehicle Presence | Queuing | Travel Time or Delay | Speed | Headway | OD & Tracking Surveys | Behavioural Studies | Pedestrian OD |
| ATC Tube or Piezo | ••• | ••• | | | | | ••• | ••• | | | |
| Loop Based loggers | ••• | ••• | + | _ | + | | ••• | •• | | | - |
| Magnetometers | •• | • | + | ••• | + | | •• | •• | | | |
| SCATS inductive loops | •• | • | + | ••• | + | | | • | | | |
| Beam based Sensors (eg Infrared) | •• | •• | | •• | | | | •• | | | |
| Floating Vehicle (GPS) | | | | | •• | ••• | •• | | • | | |
| Lidar | •• | •• | | •• | • | | ••• | ••• | | | |
| Radar | | | | •• | | | ••• | • | | | |
| Camera/s (automatic or manual) | ••• | •• | ••• | | •• | •• | ••• | •• | ••• | ••• | •• |
| Mobile Phone Data | | | | | • | •• | •• | | •• | •• | •• |
| Bluetooth (BT) Sensors | | + | + | | + | | ••• | + | •• | •• | •• |
| Manual Staff | •• | •• | ••• | | ••• | •• | | • | •• | ••• | •• |







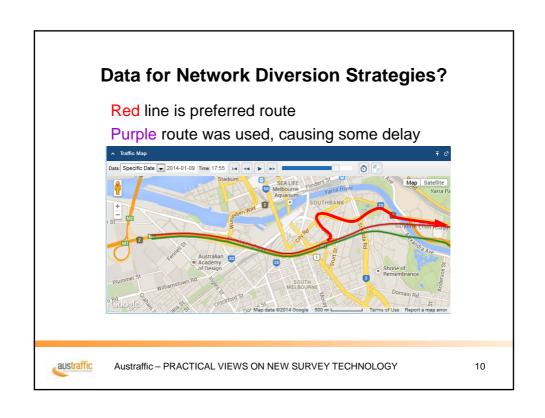


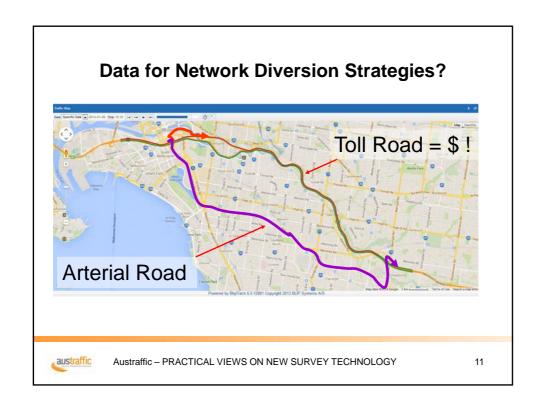


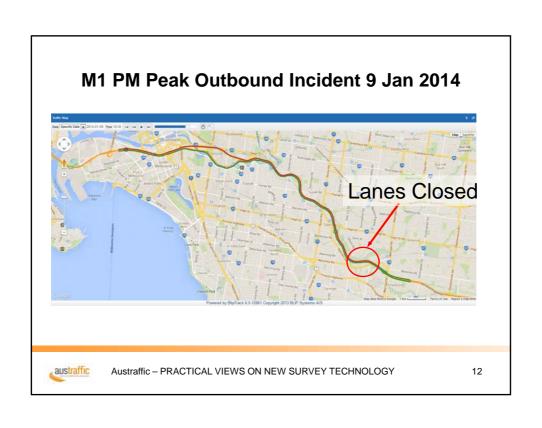
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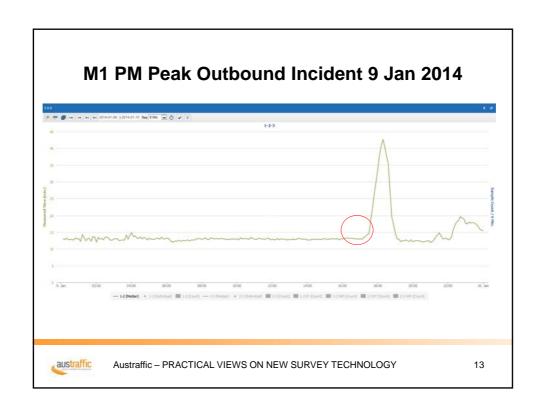
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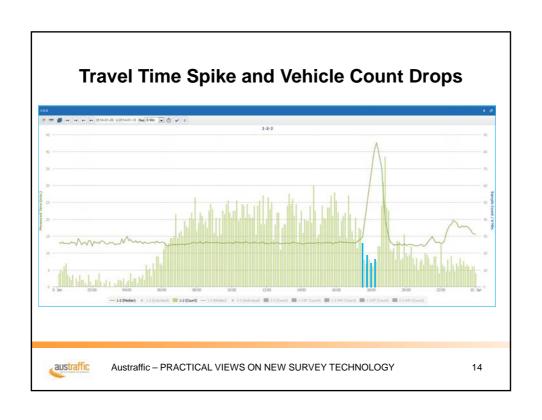
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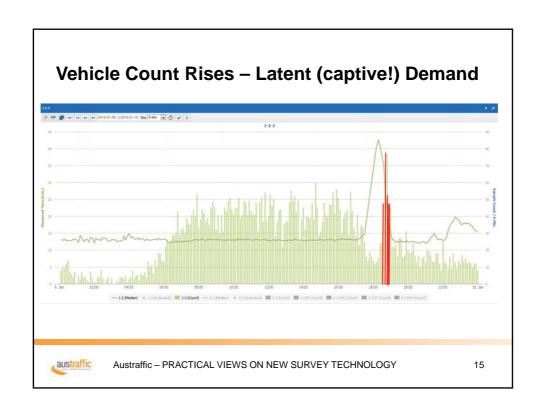


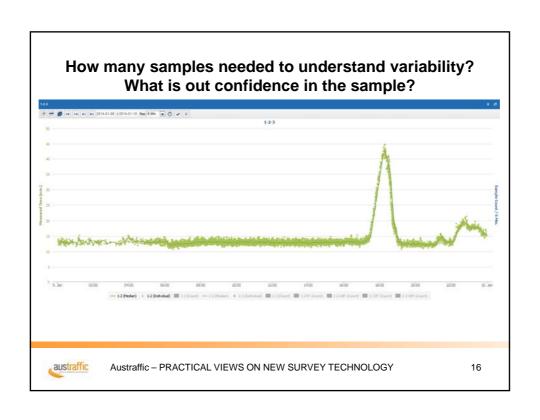












Many thanks - Any Questions?

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