2023 Screenline Data

Presented at RTM User Group Meeting

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"All models are wrong, but some are useful."

- Statistician GEP Box

Uncalibrated models are like using a sundial for moon landing.

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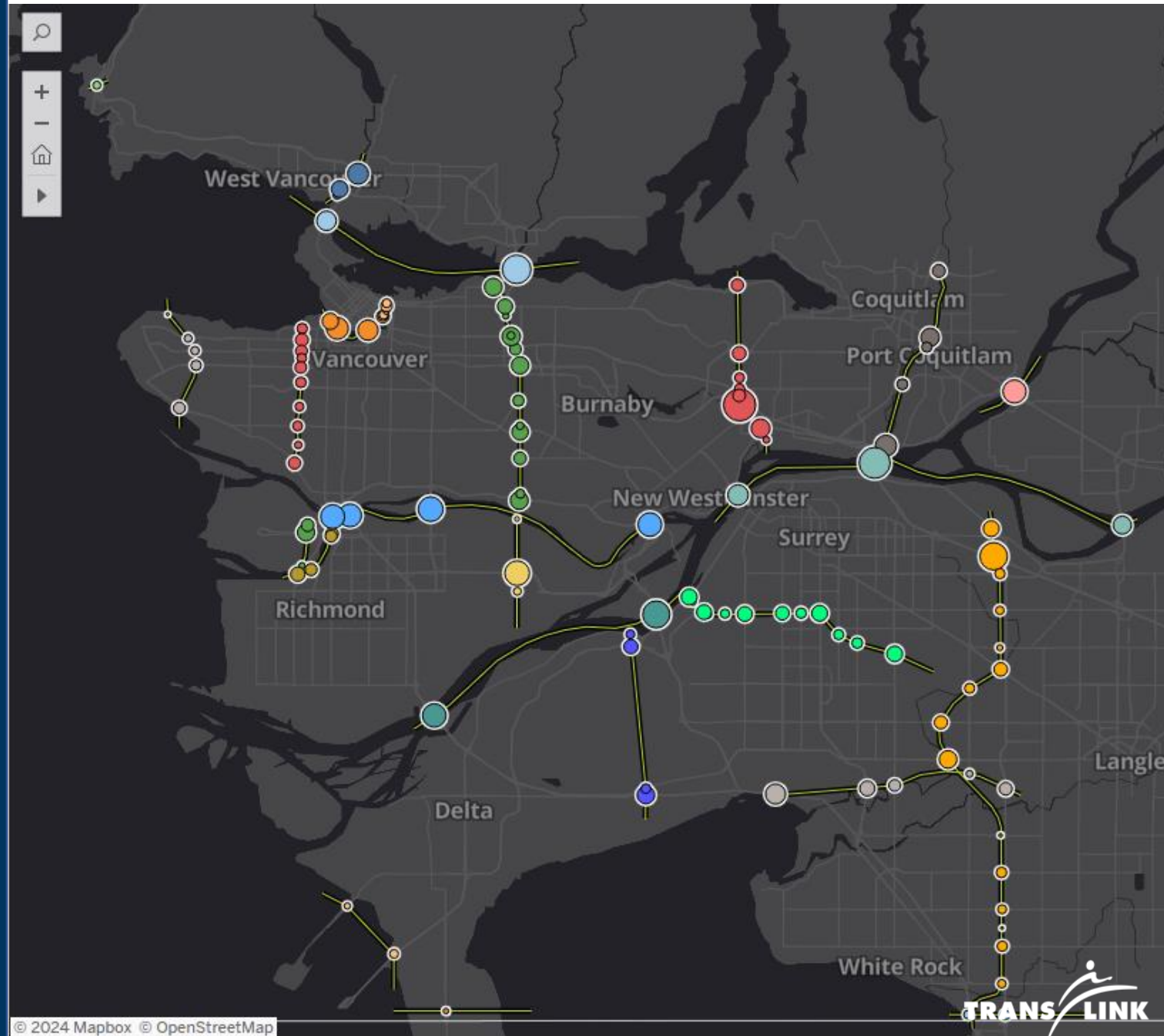
Calibrated RTM

Trip Diary

Screenlines

Screenlines

➢ Snapshot of flow of vehicles and people across boundaries

➢ Autos, trucks and transit riders

➢ Data collected by:
  ❖ Direction
  ❖ Time of Day
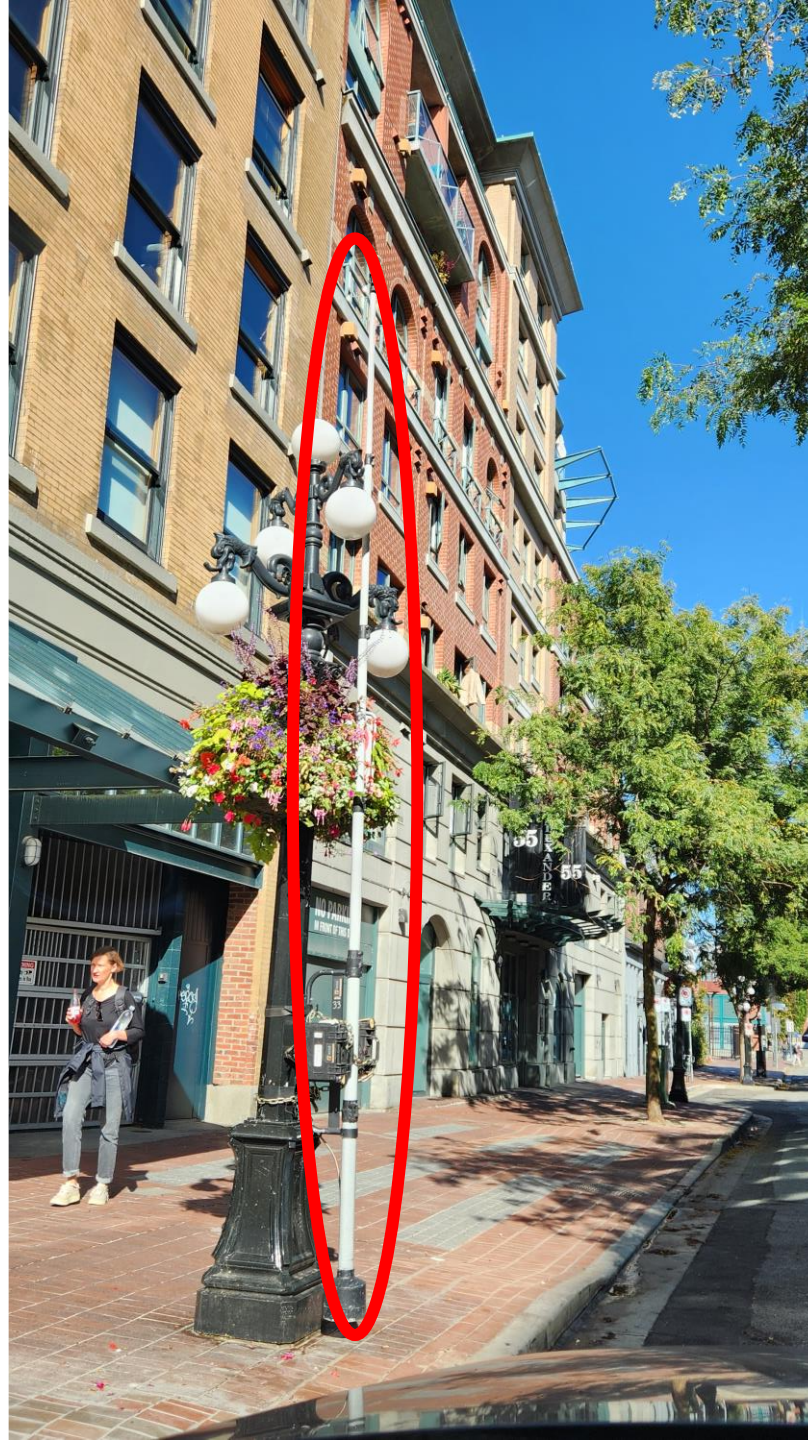 ❖ Day of week

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2017 Screenlines

- **34 Screenlines**

- **Autos, light and heavy commercial vehicles, transit riders**

- **Key in calibrating parts of RTM:**
    - **Region to Region flows**
    - **Time of day profiles**

https://public.tableau.com/app/profile/translink/viz/
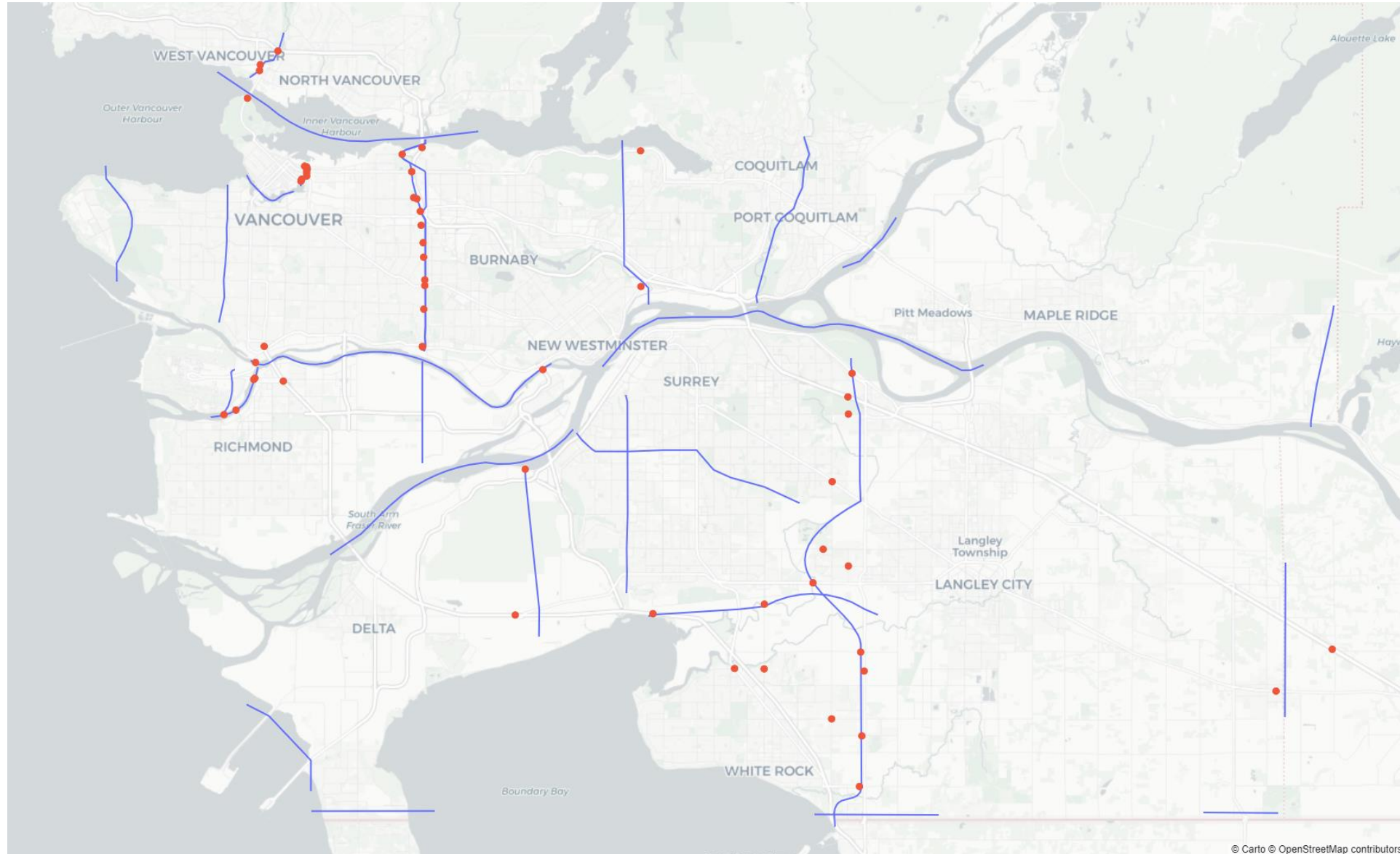RegionalScreenlineSurveyFall2017/Cover

Challenges

➢ Costs
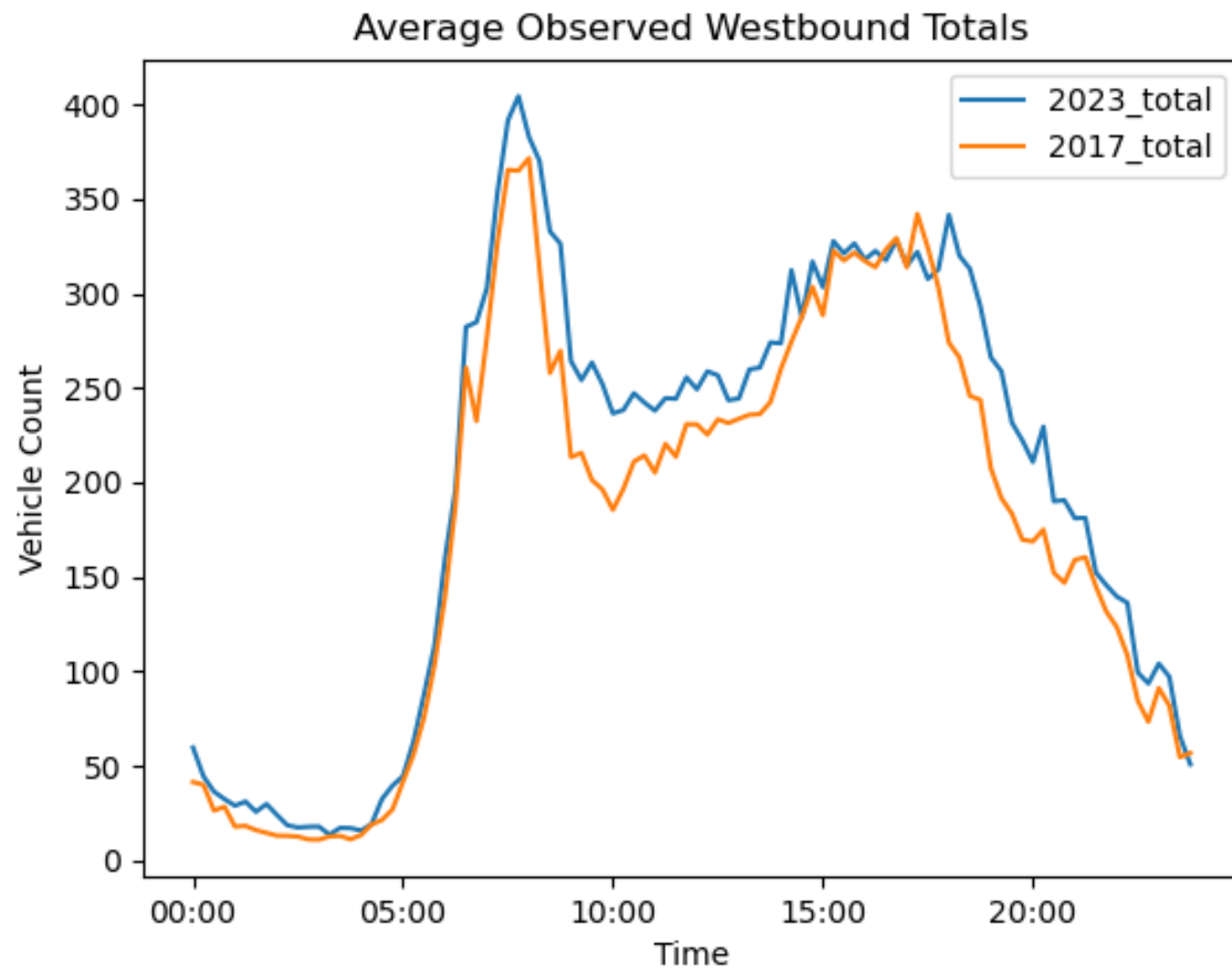
➢ Contractors

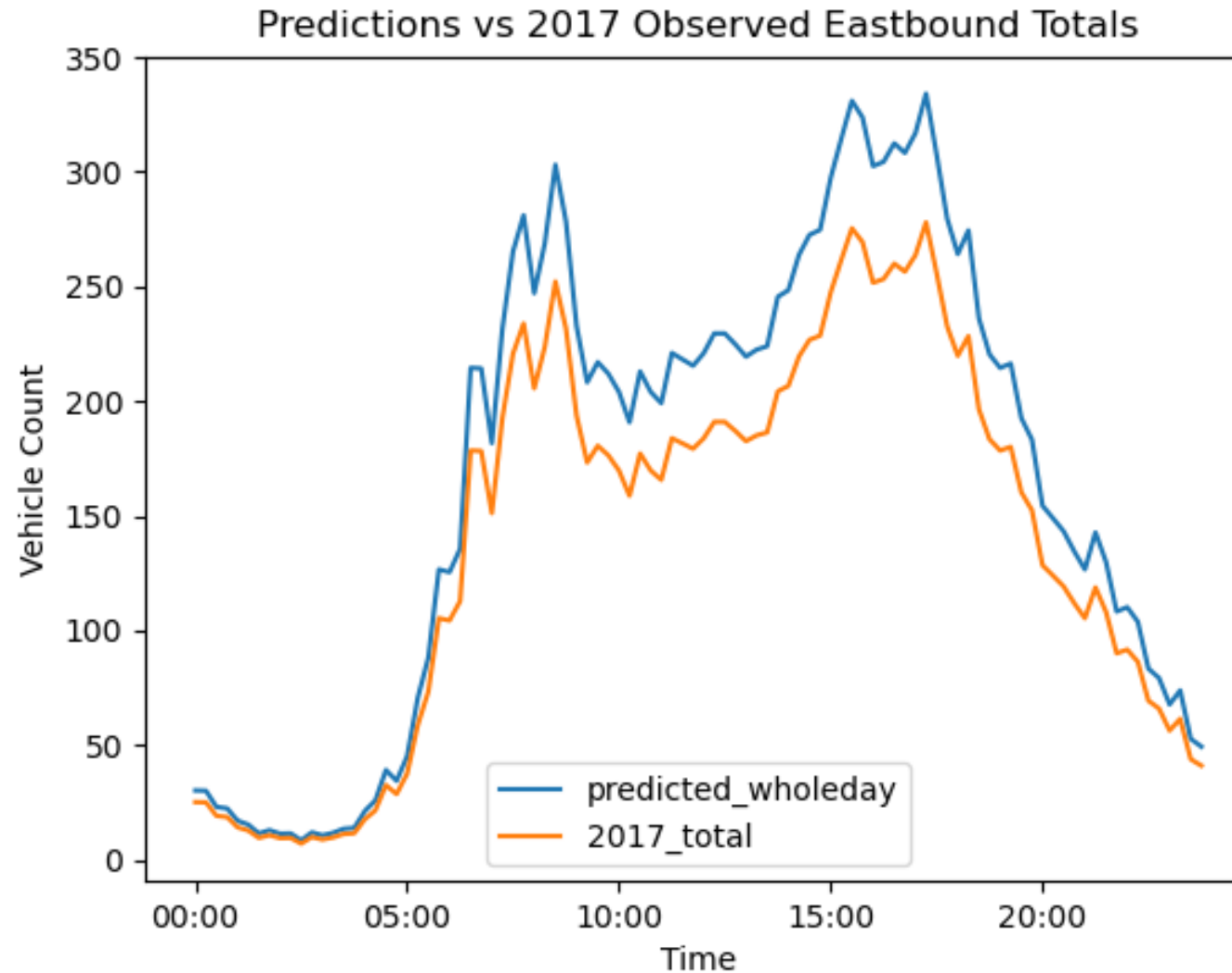➢ Equipment Safety

2023 Screenlines

Filling the Gaps

➢ Data from our municipal partners

➢ Data from MOTI

➢ Inference using Statistics
- ❖ Direction
- ❖ Time of day
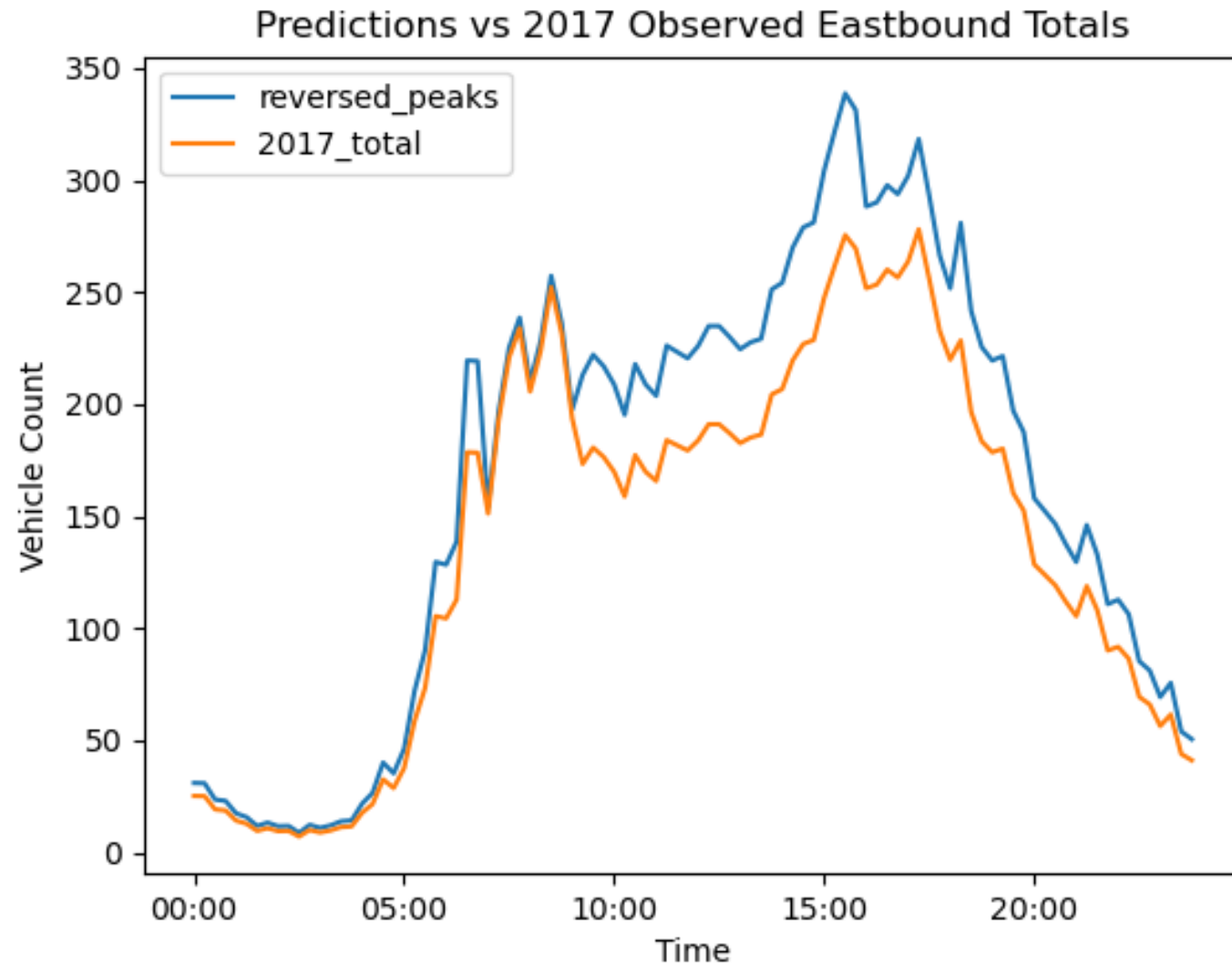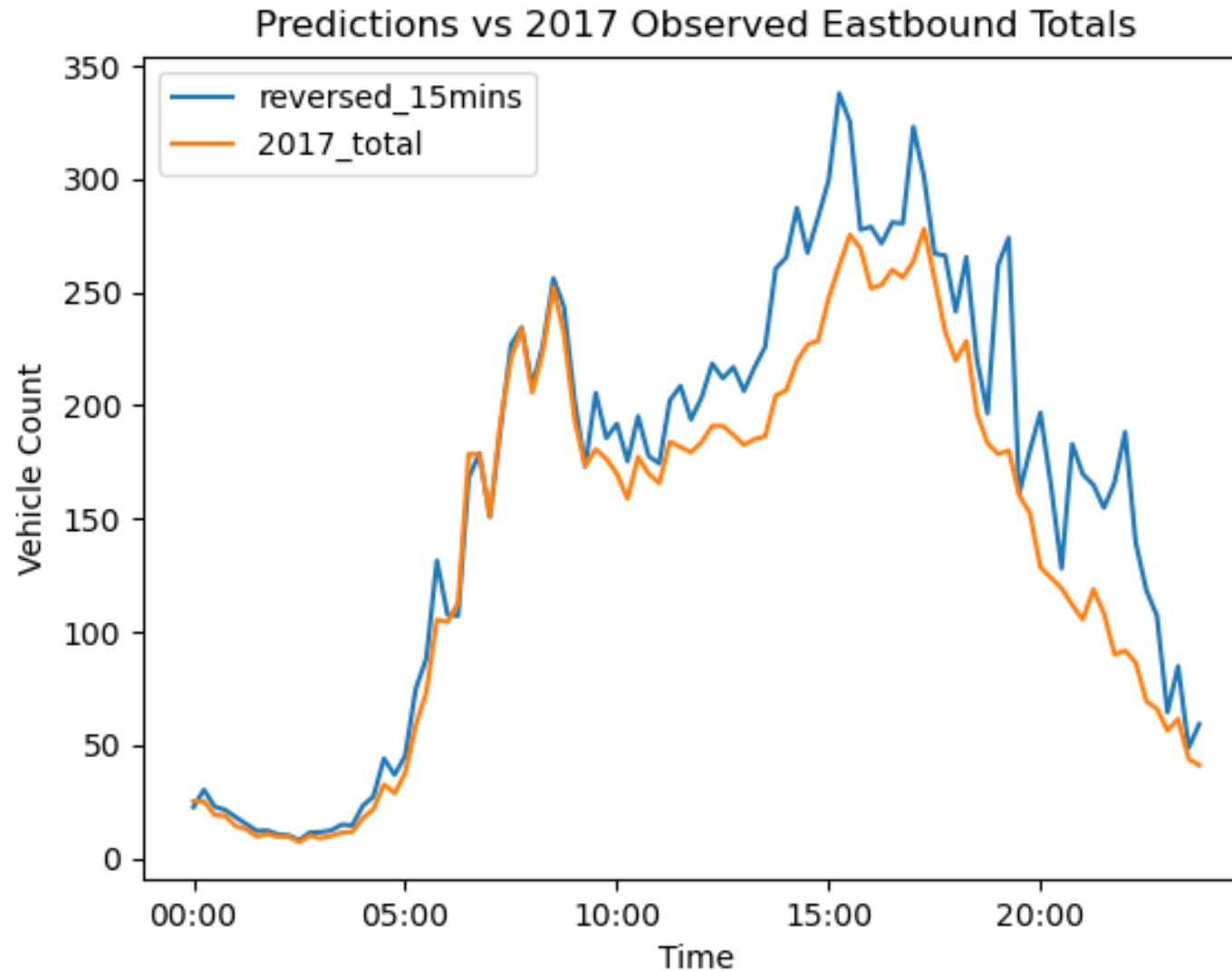- ❖ Day of week
- ❖ Area type

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Example

Average Observed Westbound Totals

Method 1 – Daily Average

Predictions vs 2017 Observed Eastbound Totals

Method 2 – Peaks Ratios

Predictions vs 2017 Observed Eastbound Totals

Method 3 – Reversed 15 Mins

Predictions vs 2017 Observed Eastbound Totals

Timelines

➢ Data collected in *September – early December 2023*

➢ Data received *March 2024*

➢ Processing and Inference *February 2024*

➢ Dashboard *Q4 2024*

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Thank You

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