

## MULTIMODAL PROJECT UPDATE

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### 1. Intersections and Data

**80% COMPLETE**

- a. Small subset of intersections chosen for exploration
  - i. 82<sup>nd</sup> and Burnside
  - ii. 82<sup>nd</sup> and Killingsworth
  - iii. 82<sup>nd</sup> and Flavel
  - iv. Sunnyside and 86<sup>th</sup>
  - v. Sunnyside and 101<sup>st</sup>
  - vi. Powell and Milwaukee

- b. Data being collected
  - i. System Detectors
  - ii. Signal Timing
  - iii. Bluetooth
  - iv. Bus
  - v. Bicycle Counts
  - vi. Pedestrian Delays

### 2. Data Quality

**60% COMPLETE**

- a. Volumes seem reasonable, occupancy possibly and speed is not
  - i. Ground truth on volume data to be performed by RTMS/manual counters
  - ii. Validation flags are in development
    - 1. Unusually high or low volumes
    - 2. Unusually high or low occupancies
    - 3. Communication failures

### 3. Archiving Framework

**100% COMPLETE**

- a. Create schemas for data storage
  - i. System detectors
  - ii. Stations
  - iii. Intersections
  - iv. Corridors

### 4. Visualization/Summary Tools

**40% COMPLETE**

- a. Volume/occupancy timeseries
- b. Volume and TOD Plan
- c. Phase timing and volume
- d. Mapping
- e. Summary of performance metrics

### 5. PORTAL

**20% COMPLETE**

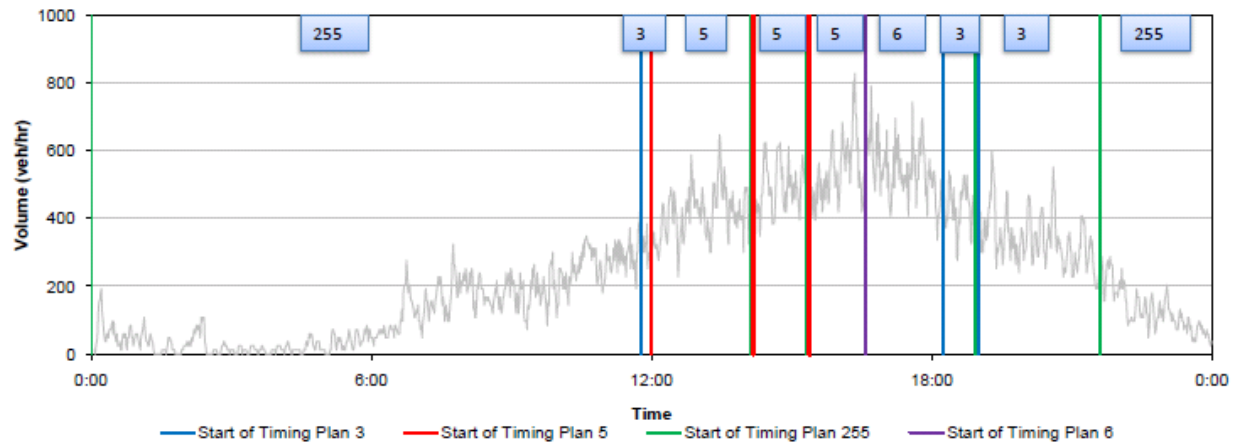
- a. Upload data and schemas into PORTAL
- b. Establish real time feed to TransSuite data

### 6. Final Report

## SAMPLE PLOTS

### EB Sunnyside Rd at 86<sup>th</sup> Avenue Center Lanes 3/24/11

Timing Plan	Start Time	End Time
255	0:00:00	11:40:56
3	11:40:56	12:00:33
5	12:00:33	14:10:28
255	14:10:28	14:10:31
5	14:10:31	15:23:27
255	15:23:27	15:23:30
5	15:23:30	16:40:35
6	16:40:35	18:20:48
3	18:20:48	19:01:53
255	19:01:53	19:01:55
3	19:01:55	21:40:04
255	21:40:04	0:00:00



### Vancouver/Winnings Way/Williams Bike Counts

