



Beards Hill Road

Traffic Study

Department of Public Works

City of Aberdeen, Maryland

Traffic Study

- Purpose: Provides an assessment of the volume and types of vehicles which traverse a City of Aberdeen roadway
 - Provides volume over time, average daily traffic, peak hour, vehicular speed, and types of vehicles.
 - Provides a method for the City to disseminate information regarding the amount of traffic on a roadway. This presentation does **NOT** provide a course of action to address the findings or solutions to residential complaints.
 - This study does **NOT** replace a *traffic impact analysis* which assesses the effects that a particular development's traffic will have on the transportation network in the community.

Scope

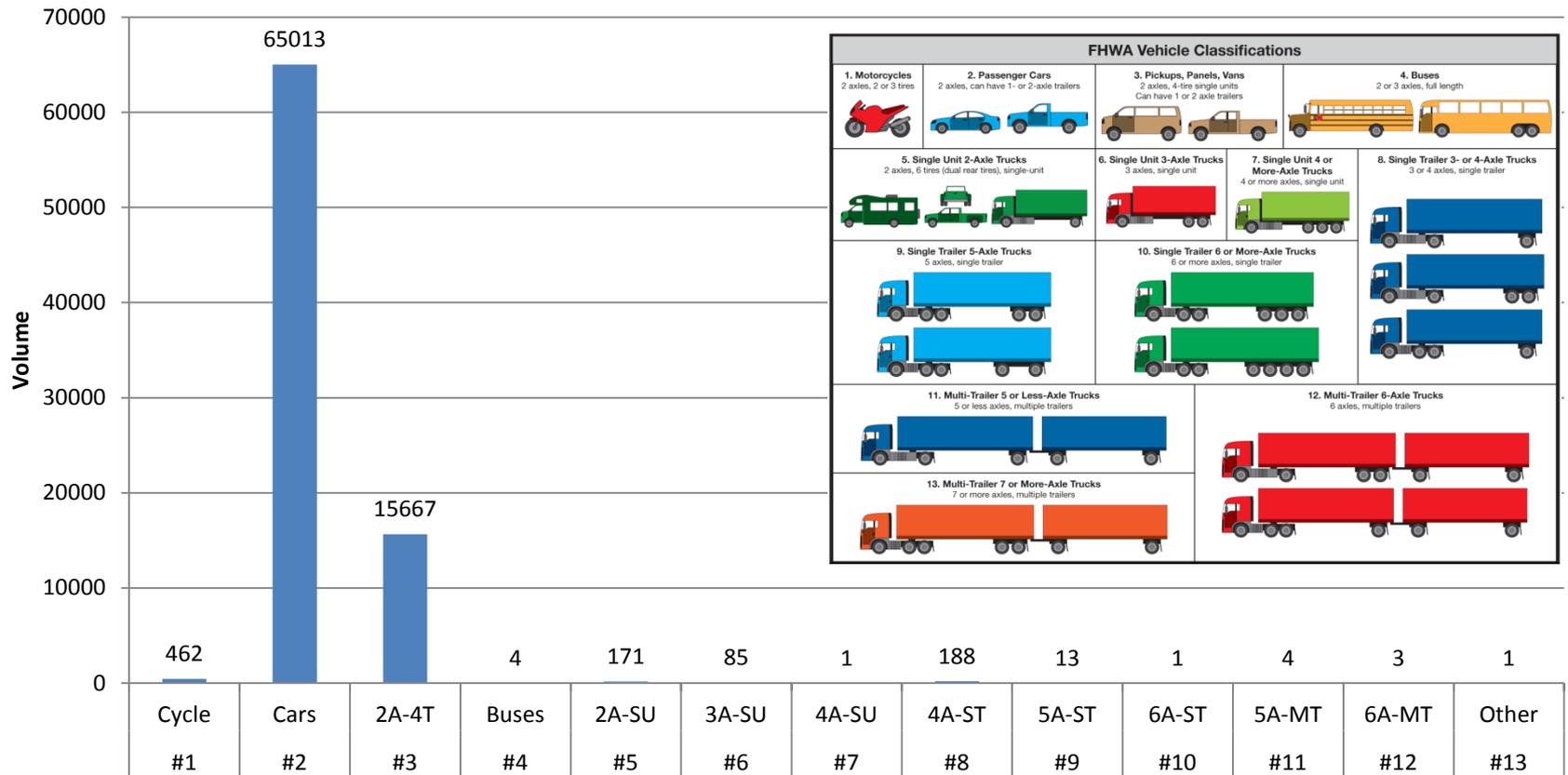
- Measured Traffic: Jun 24 – Jul 8, 2015
- Physical Location: Beards Hill Road
- Number of Lanes: 2
 - Lane # 1: Eastbound
 - Lane # 2: Westbound
- Posted Speed: 25 MPH East / 30 MPH West



Measured Volume

Jun 24 – Jul 8, 2015

Axle Class vs. Volume (all lanes)



Average Daily Traffic

Weekday Both Lanes

Cars: 6070 (99%)
Trucks: 39 (1%)
Total: 6110

Eastbound

Cars: 2777 (99%)
Trucks: 17 (1%)
Total: 2795

Westbound

Cars: 3292 (99%)
Trucks: 22 (1%)
Total: 3315

Weekend Both Lanes

Cars: 4988 (99%)
Trucks: 17 (1%)
Total: 5005

Eastbound

Cars: 2278 (99%)
Trucks: 7 (1%)
Total: 2286

Westbound

Cars: 2710 (99%)
Trucks: 9 (1%)
Total: 2719

Total Both Lanes

Cars: 5762 (99%)
Trucks: 33 (1%)
Total: 5796

Eastbound

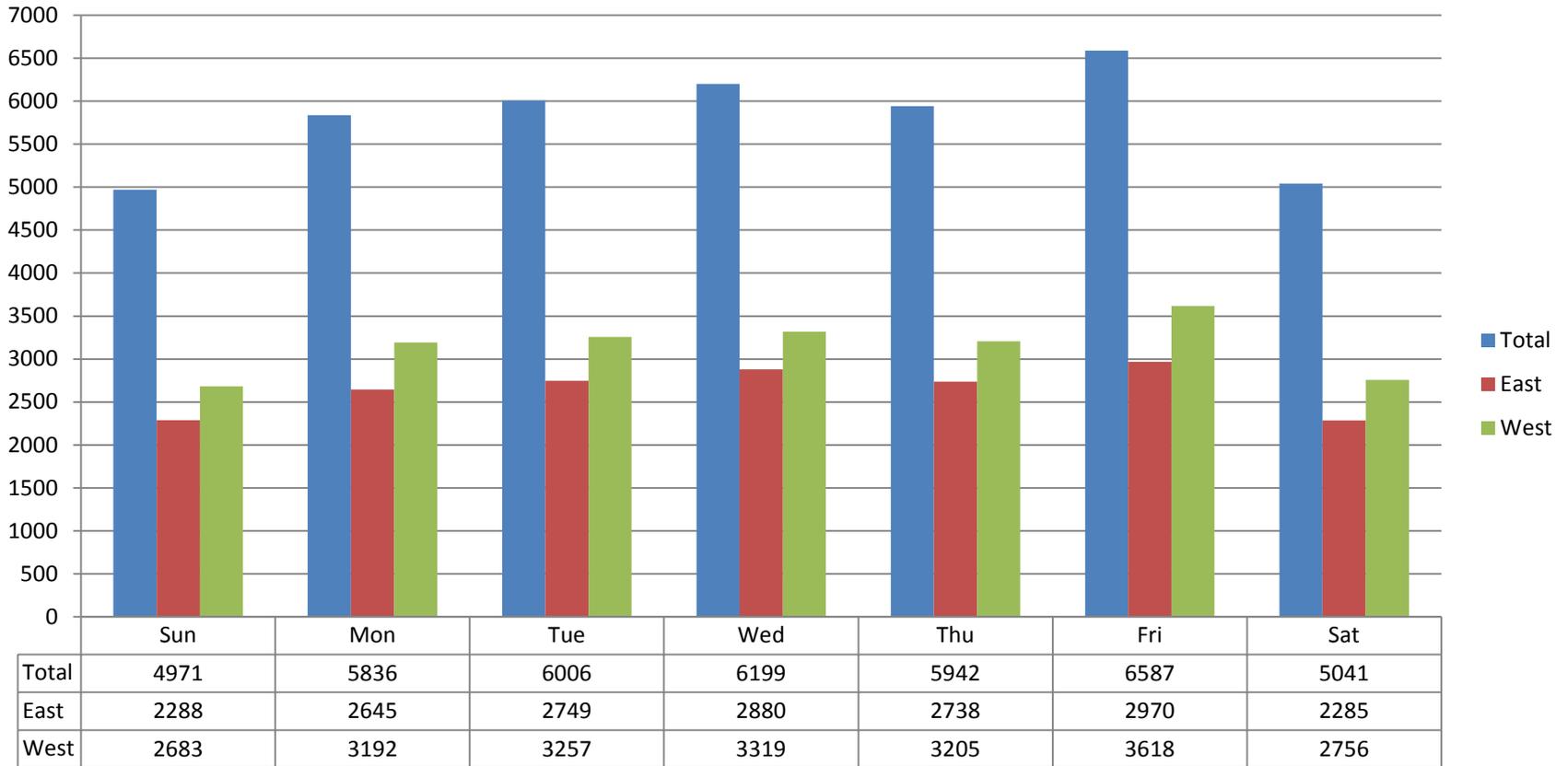
Cars: 2635 (99%)
Trucks: 14 (1%)
Total: 2650

Westbound

Cars: 3127 (99%)
Trucks: 18 (1%)
Total: 3145

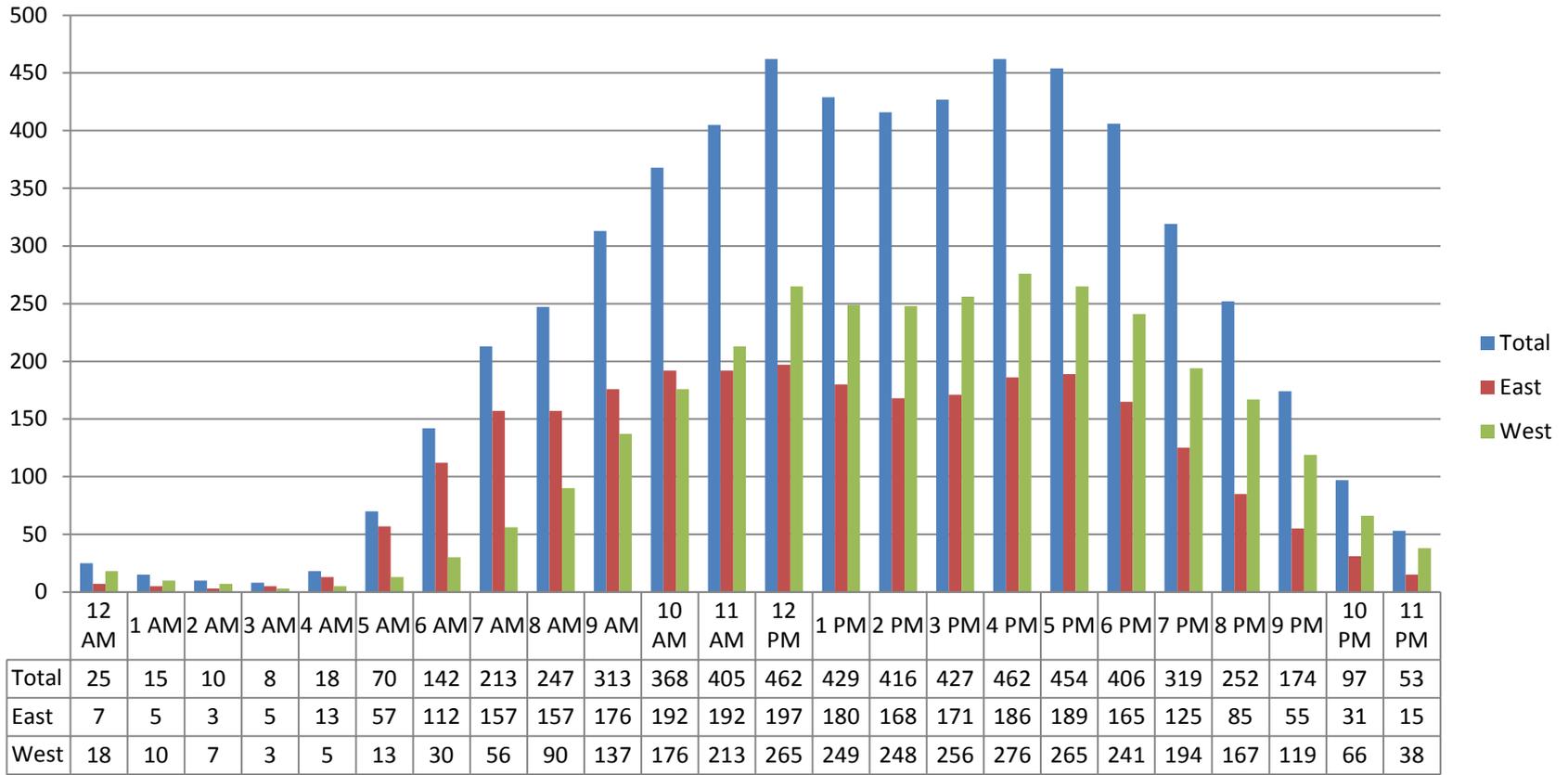
Volume Per Week

Average Daily Traffic By Day of Week (all lanes)



Volume Per Day

Average Daily Traffic Volume vs. Time



Peak Hour Volume*

AM Peak Hour
Both Lanes

Weekday: 11:00 – 12:00
Vehicles Per Hour: 407

Weekend: 11:00 – 12:00
Vehicles per hour: 423

PM Peak Hour
Both Lanes

Weekday: 4:30 – 5:30 PM
Vehicles Per Hour: 527

Weekend: 12:30 – 1:30 PM
Vehicles per hour: 465

* The peak hour volume is the volume of traffic that uses the approach, lane, or lane group in question during the hour of the day that observes the highest traffic volumes for that intersection (or areas of study).

Average Truck Traffic

Weekday

Both Lanes

Trucks: 39 (1%)

Eastbound

Trucks: 17 (1%)

Westbound

Trucks: 22 (1%)

Weekend

Both Lanes

Trucks: 17 (1%)

Eastbound

Trucks: 7 (1%)

Westbound

Trucks: 9 (1%)

Total

Both Lanes

Trucks: 33 (1%)

Eastbound

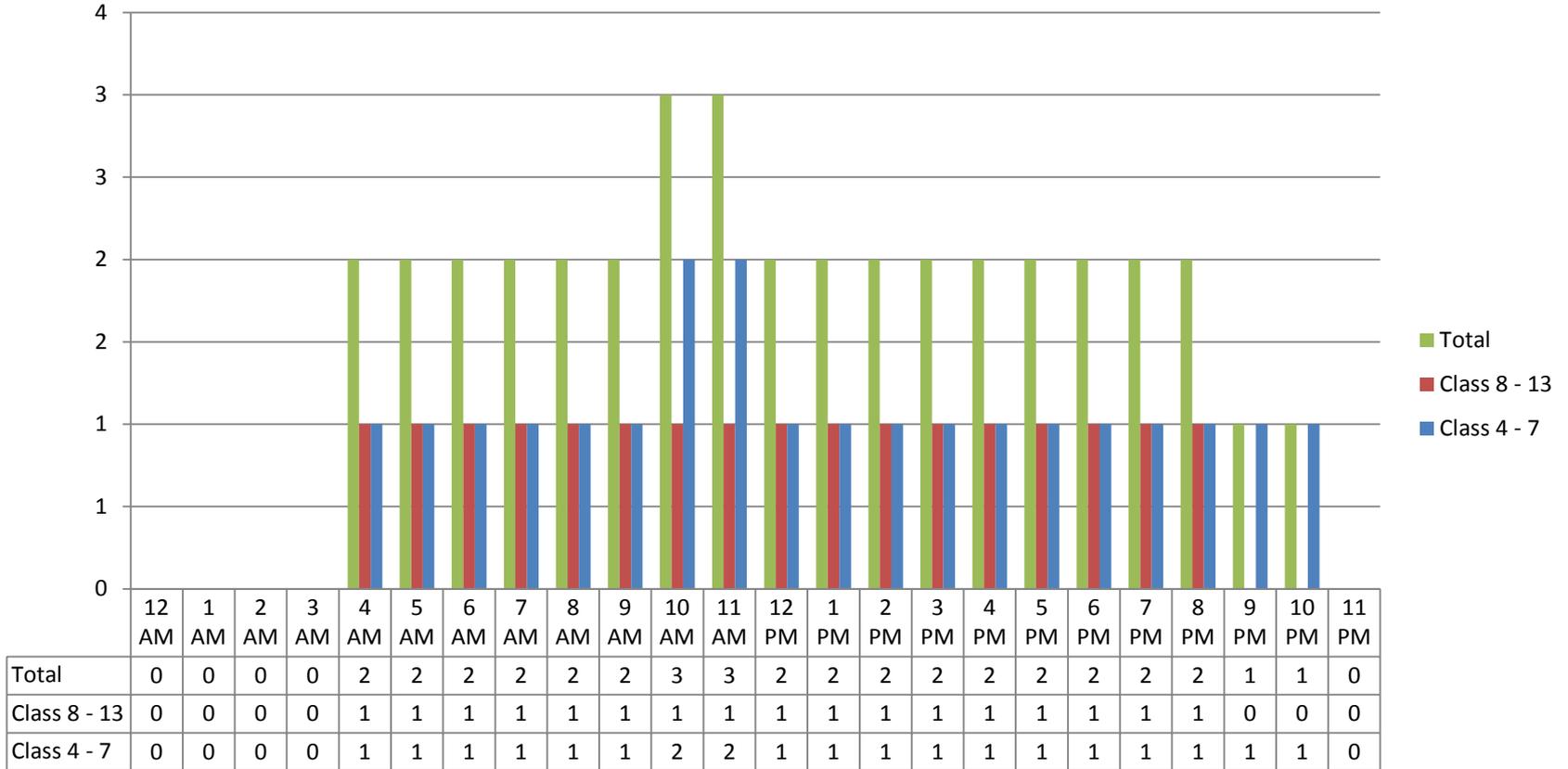
Trucks: 14 (1%)

Westbound

Trucks: 11 (1%)

Truck Traffic

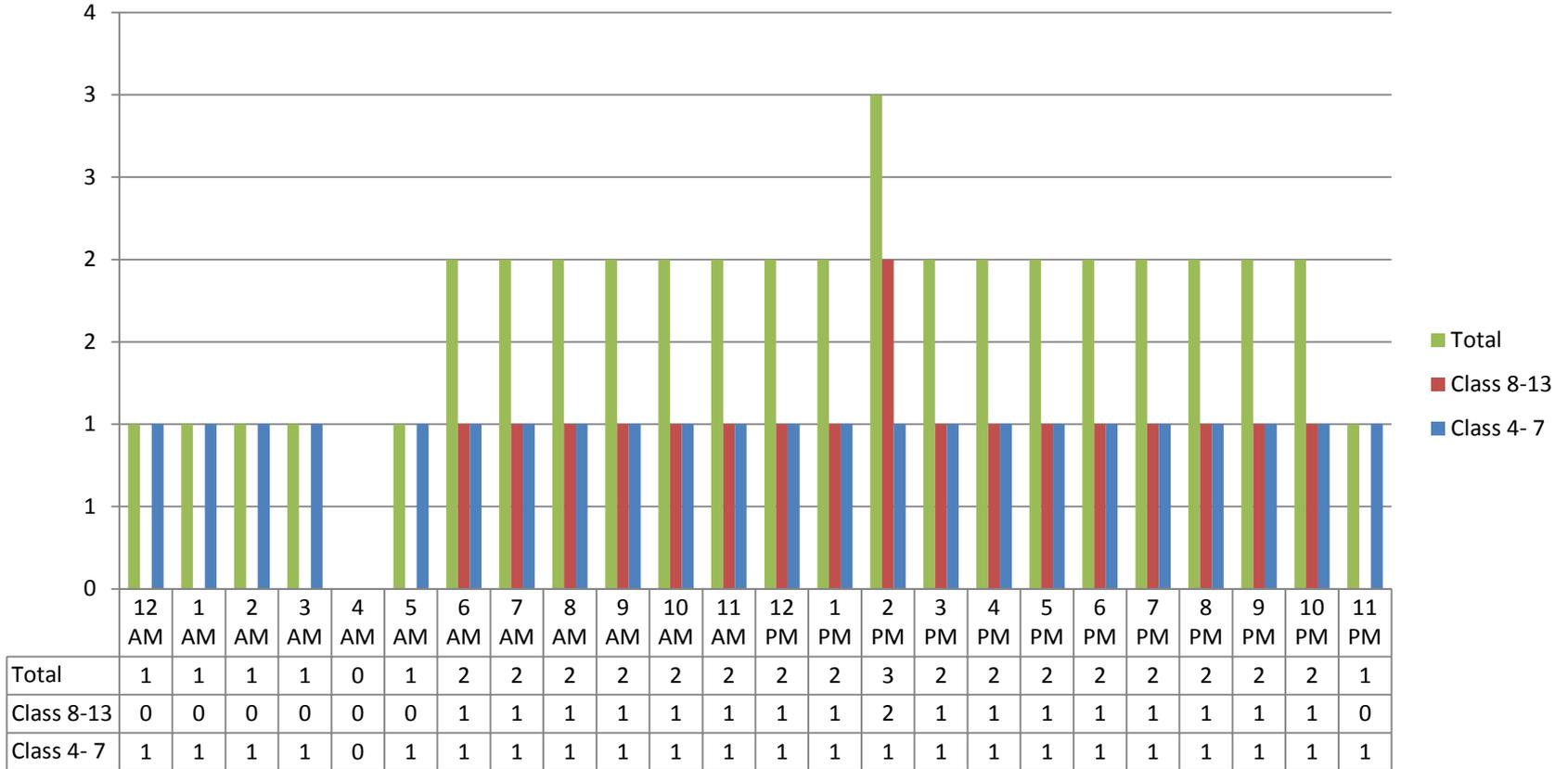
Truck Traffic (Avg/Day) - Eastbound



Numbers Rounded Up

Truck Traffic

Truck Traffic (Avg/Day) - Westbound



Numbers Rounded Up

Posted Vs Actual

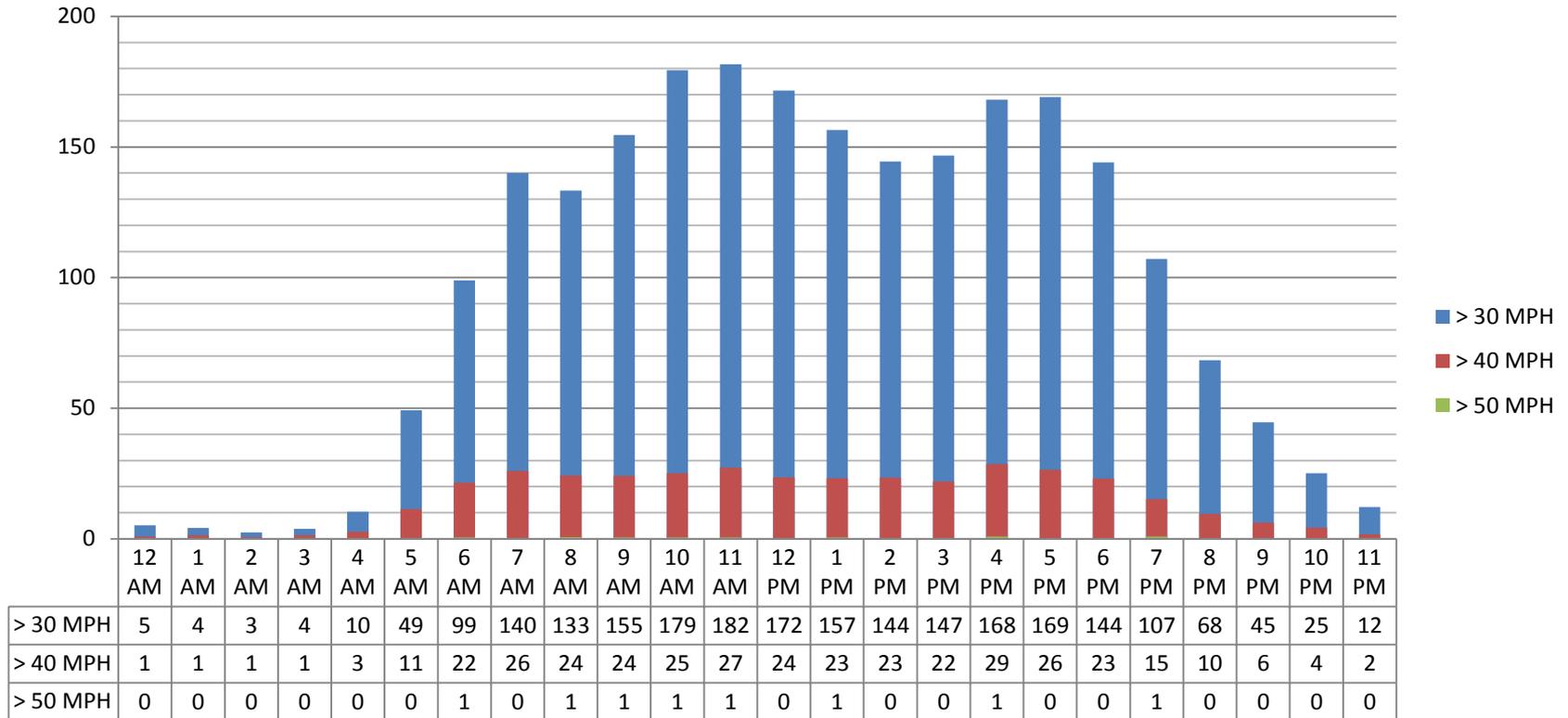
- Posted Speed Limit: 25 MPH East / 30 MPH West
- Measured Speed Limit: MPH

Lane	Avg	50%	67%	85%
East	35.0	35.2	37.5	40.0
West	34.6	34.6	37.2	39.8
Both Lanes	34.8	34.9	37.3	39.9

Speed Classification

Average Per Day

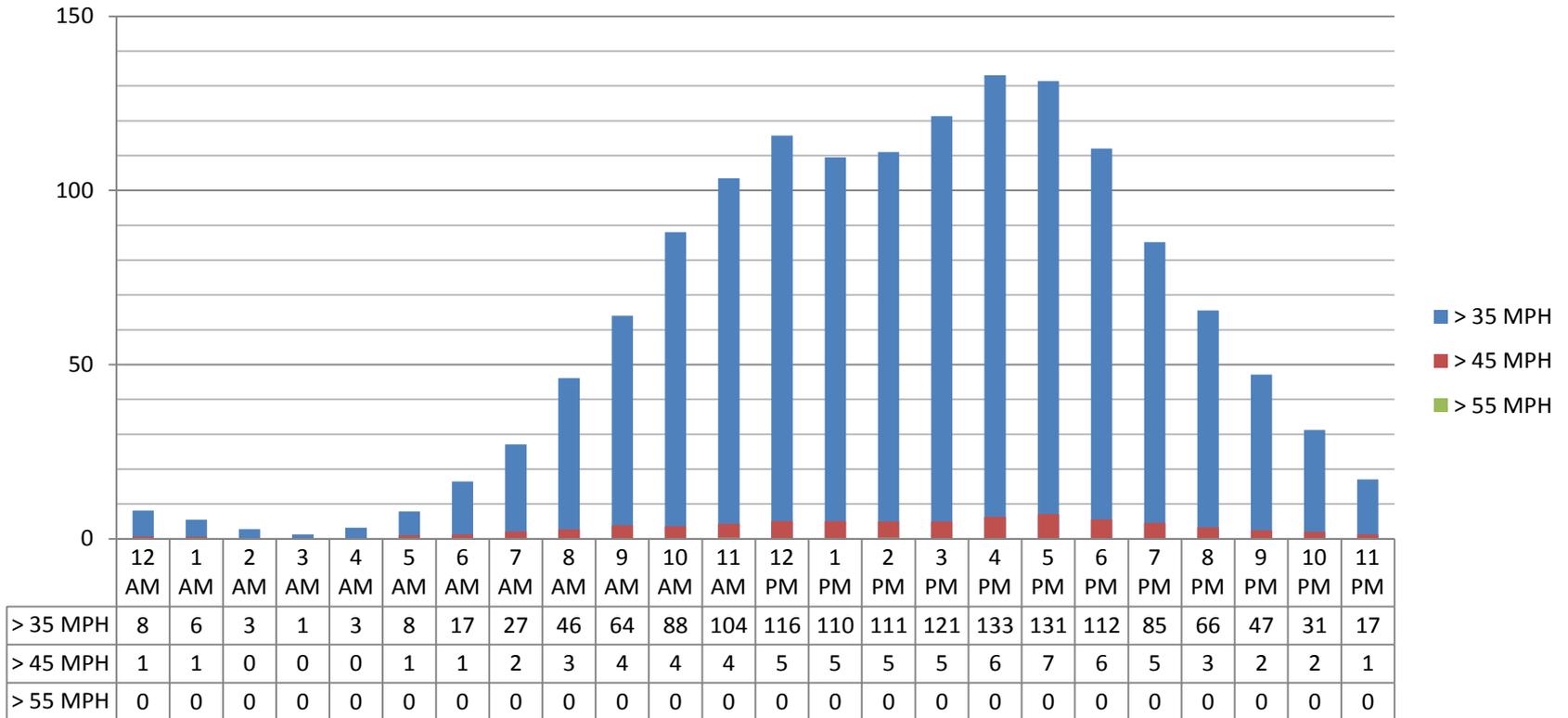
Excess Speed (All Vehicles/Per Day) – Eastbound
Posted Speed Limit: 25 MPH



Speed Classification

Average Per Day

Excess Speed (All Vehicles/Per Day) – Westbound
Posted Speed Limit: 30 MPH





Report Complete

Sep 8, 2015

Kyle E. Torster, P.E.

Director of Public Works