

Old Philadelphia 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

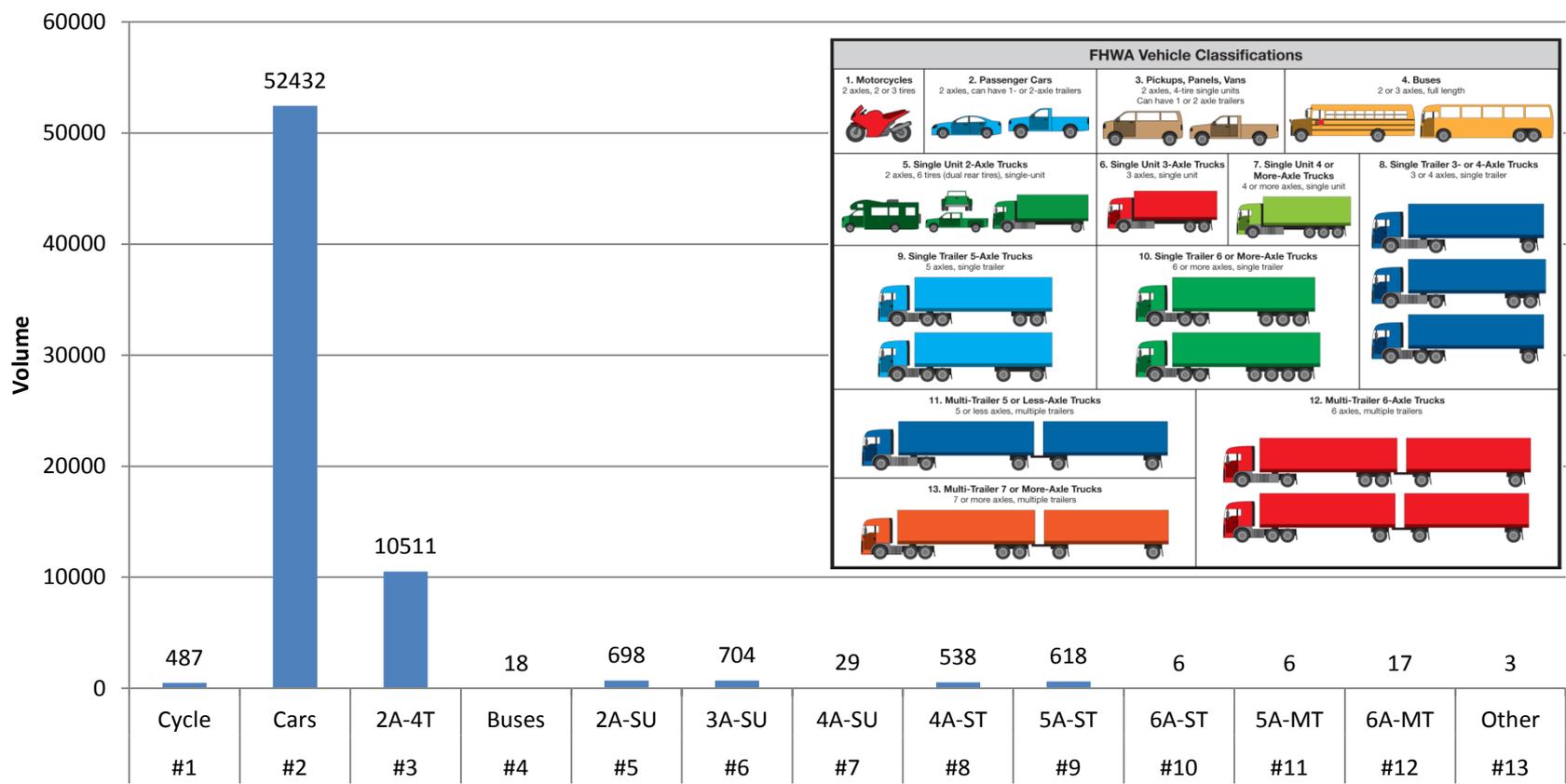
- Measured Traffic: Jun 9 – Jun 23, 2015
- Physical Location: Old Philadelphia Road
- Number of Lanes:
 - Lane # 1: Northbound
 - Lane # 2: Southbound
- Posted Speed: 25 MPH



Measured Volume

Jun 9 – Jun 23, 2015

Axle Class vs. Volume (all lanes)



Average Daily Traffic

Weekday Both Lanes

Cars: 4770 (95%)
Trucks: 229 (5%)
Total: 4999

Northbound

Cars: 2217 (95%)
Trucks: 102 (5%)
Total: 2319

Southbound

Cars: 2553 (95%)
Trucks: 126 (5%)
Total: 2680

Weekend Both Lanes

Cars: 3832 (97%)
Trucks: 81 (3%)
Total: 3913

Northbound

Cars: 1853 (98%)
Trucks: 34 (2%)
Total: 1887

Southbound

Cars: 1979 (97%)
Trucks: 47 (3%)
Total: 2026

Total Both Lanes

Cars: 4503 (96%)
Trucks: 187 (4%)
Total: 4691

Northbound

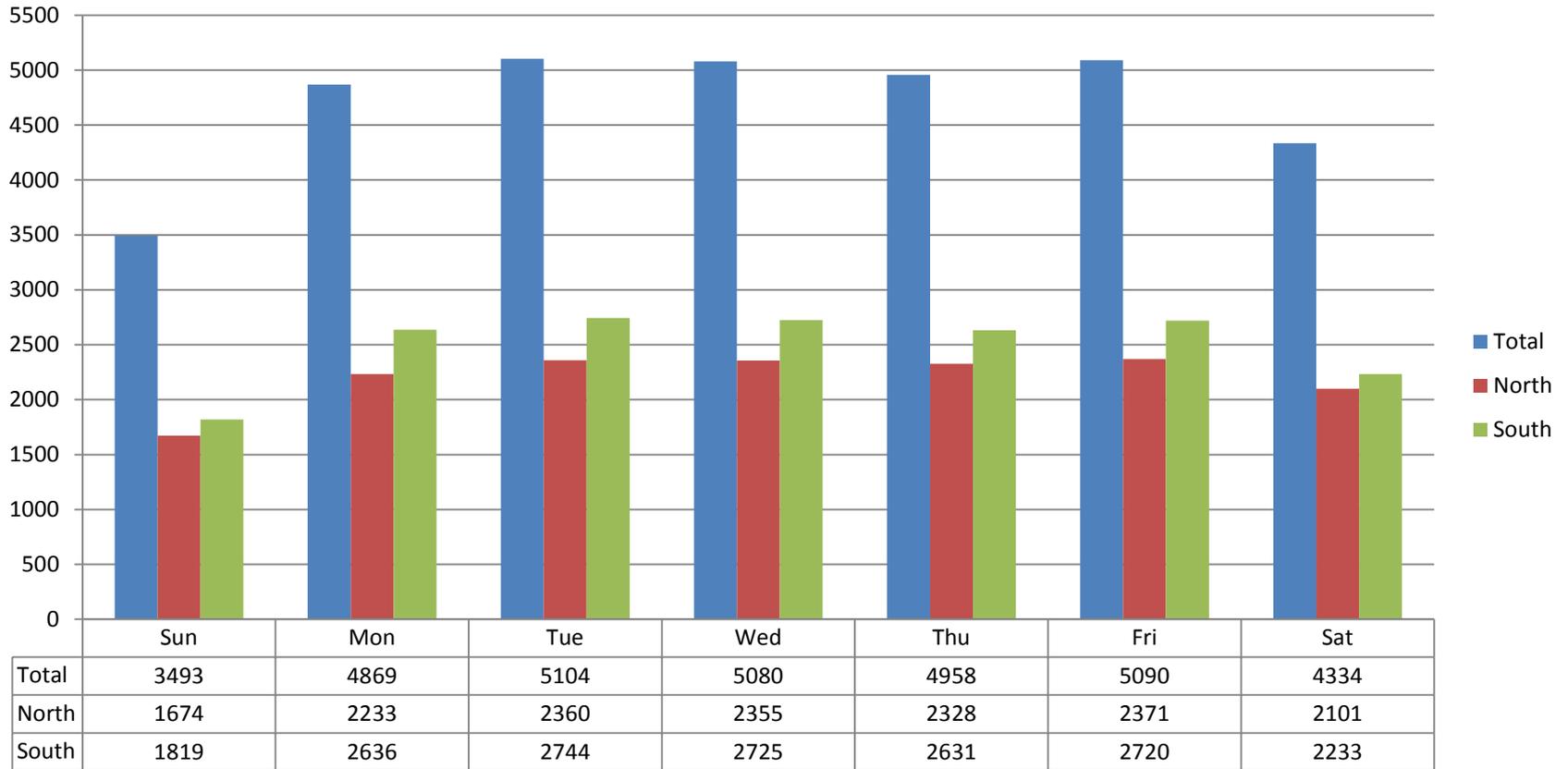
Cars: 2113 (96%)
Trucks: 83 (4%)
Total: 2196

Southbound

Cars: 2390 (95%)
Trucks: 104 (5%)
Total: 2494

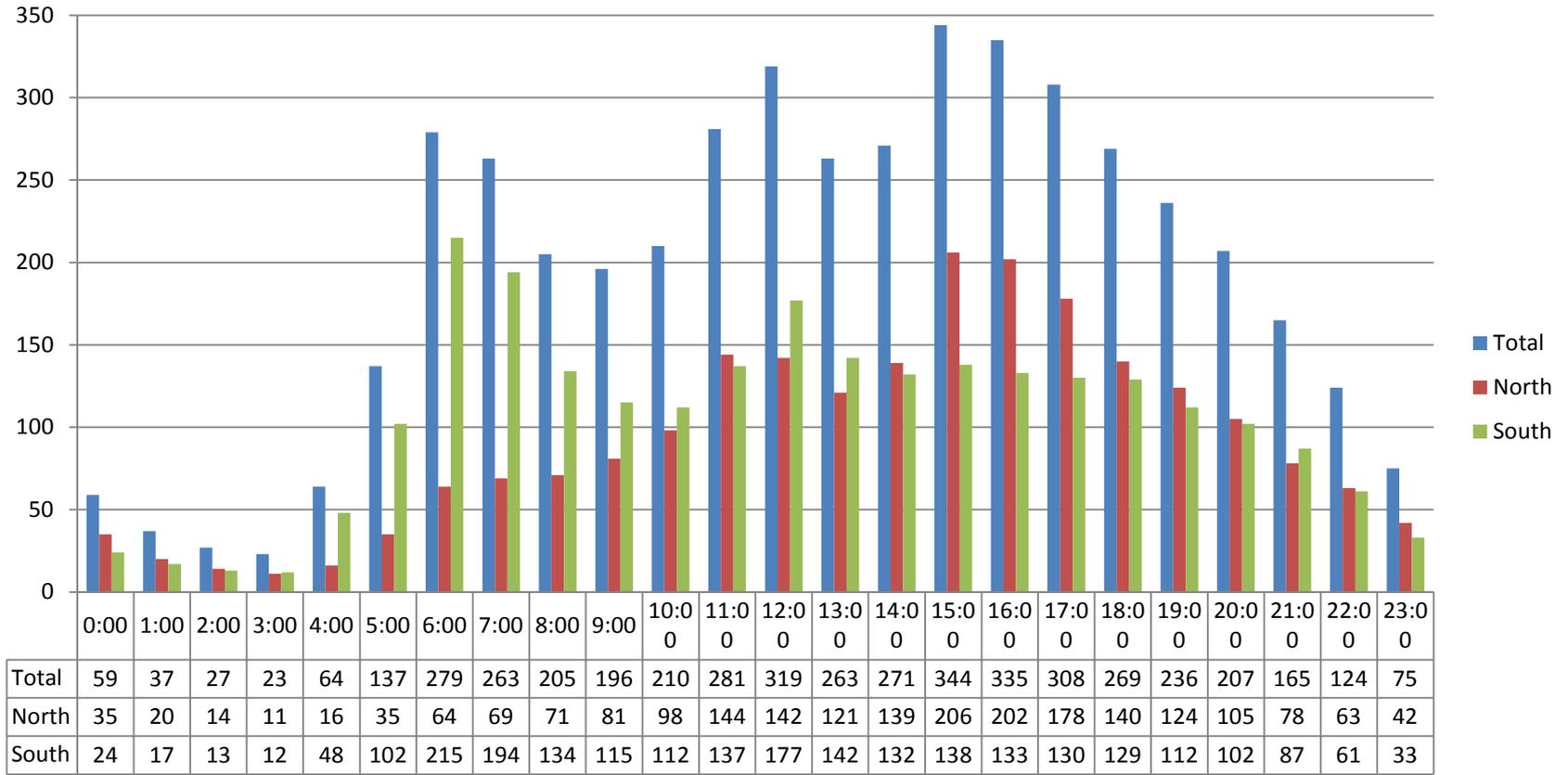
Volume Per Week

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: 06:00 – 07:00 AM
Vehicles Per Hour: 311

Weekend: 11:00 – 12:00 PM
Vehicles per hour: 273

PM Peak Hour Both Lanes

Weekday: 3:30 – 4:30 PM
Vehicles Per Hour: 393

Weekend: 12:00 – 1:00 PM
Vehicles per hour: 303

* 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: 229 (5%)

Northbound

Trucks: 102 (5%)

Southbound

Trucks: 126 (5%)

Weekend

Both Lanes

Trucks: 81 (3%)

Northbound

Trucks: 34 (2%)

Southbound

Trucks: 47 (3%)

Total

Both Lanes

Trucks: 187 (4%)

Northbound

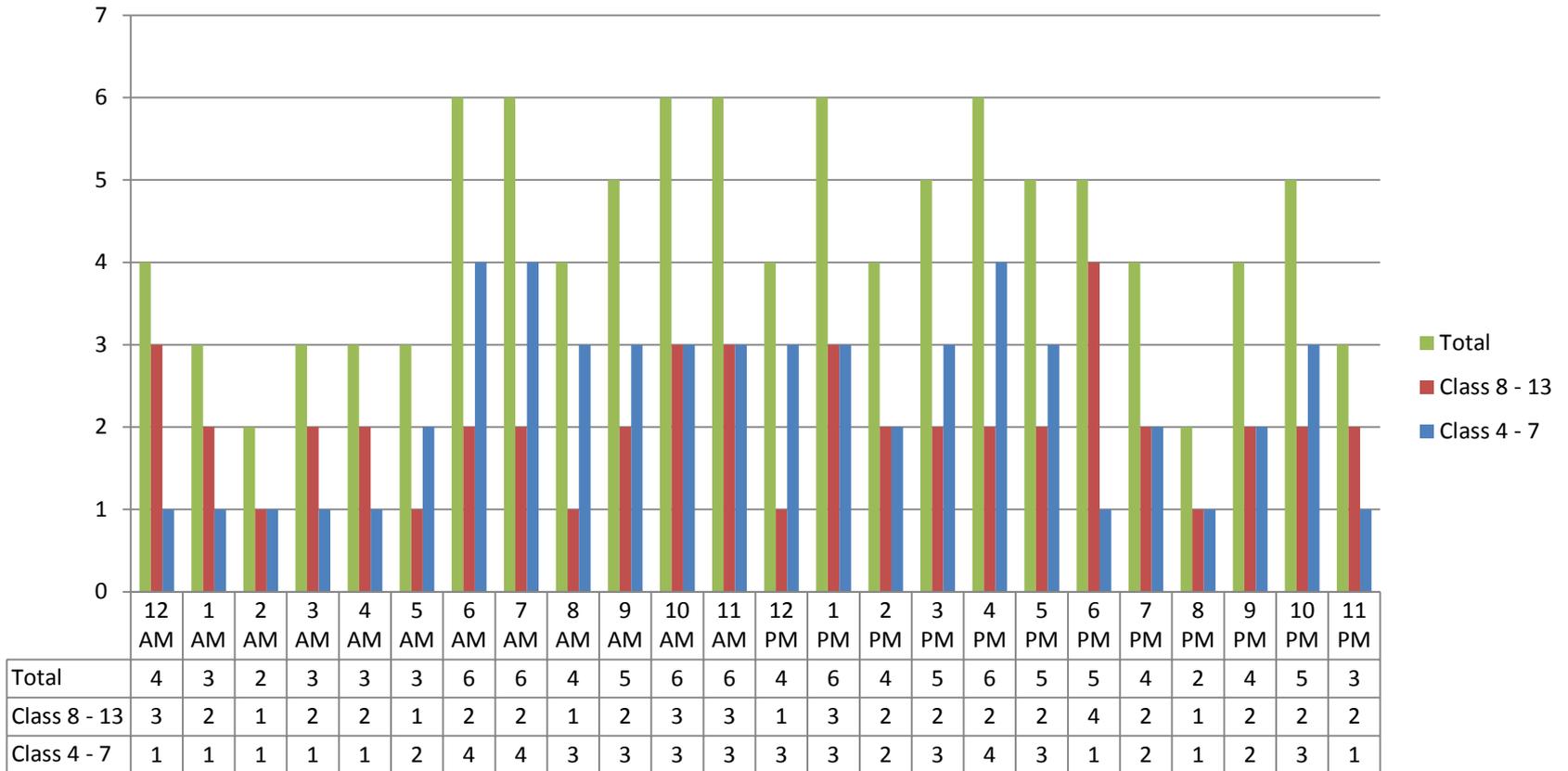
Trucks: 83 (4%)

Southbound

Trucks: 104 (5%)

Truck Traffic

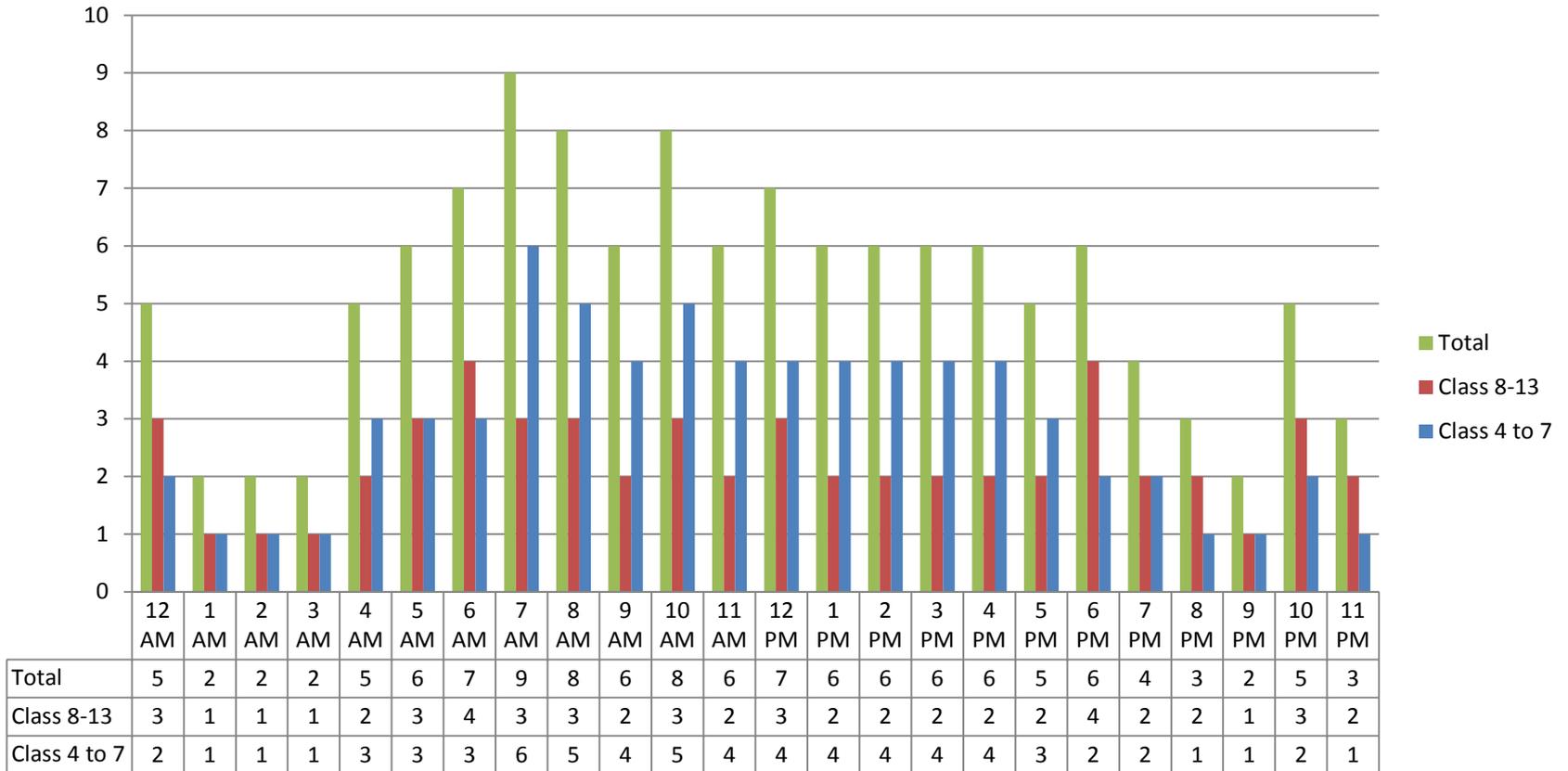
Truck Traffic (Avg/Day) - Northbound



Numbers Rounded Up

Truck Traffic

Truck Traffic (Avg/Day) - Southbound



Numbers Rounded Up

Posted Vs Actual

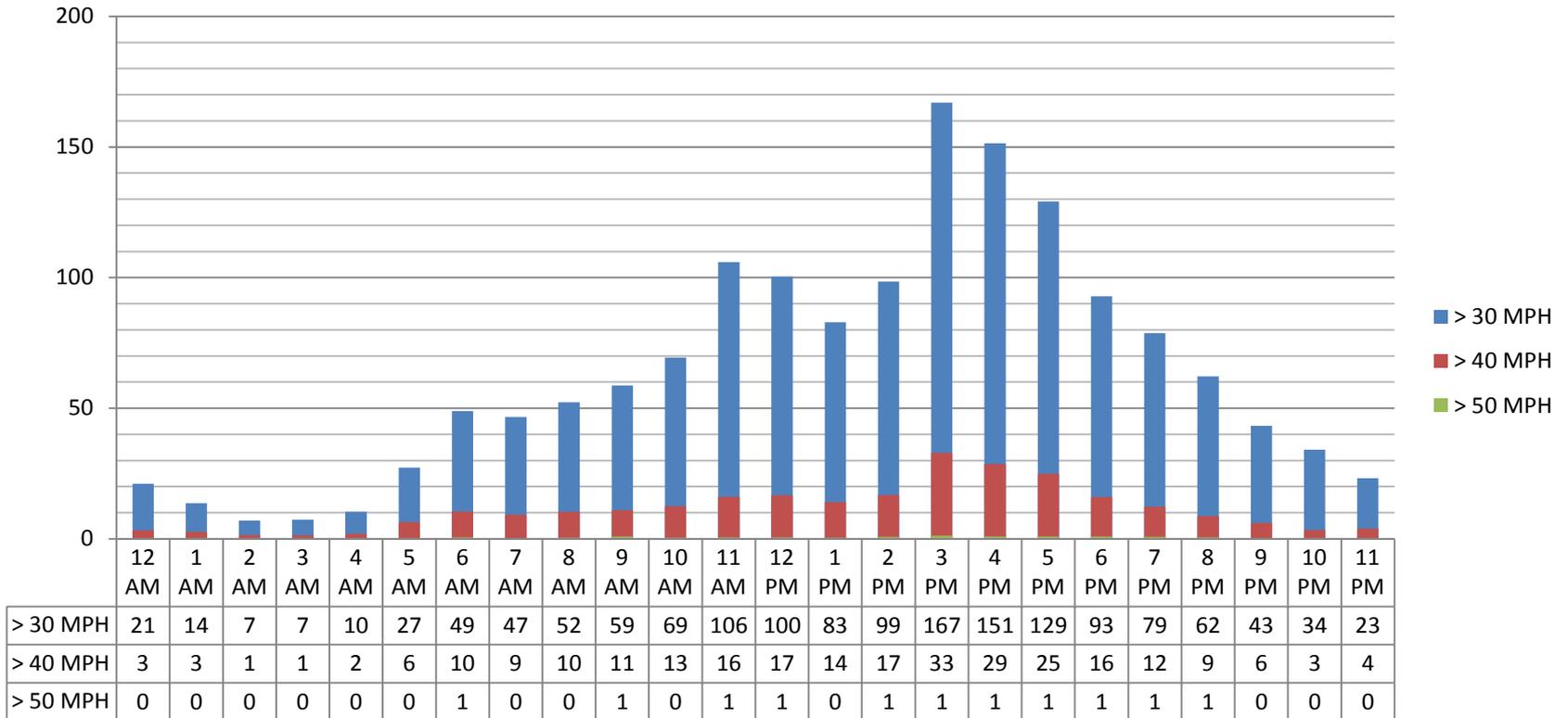
- Posted Speed Limit: 25 MPH
- Measured Speed: MPH

Lane	Avg	50%	67%	85%
North	33.1	33.1	36.0	39.5
South	34.3	34.1	36.8	39.8
Both Lanes	33.7	33.7	36.5	39.7

Speed Classification

Average Per Day

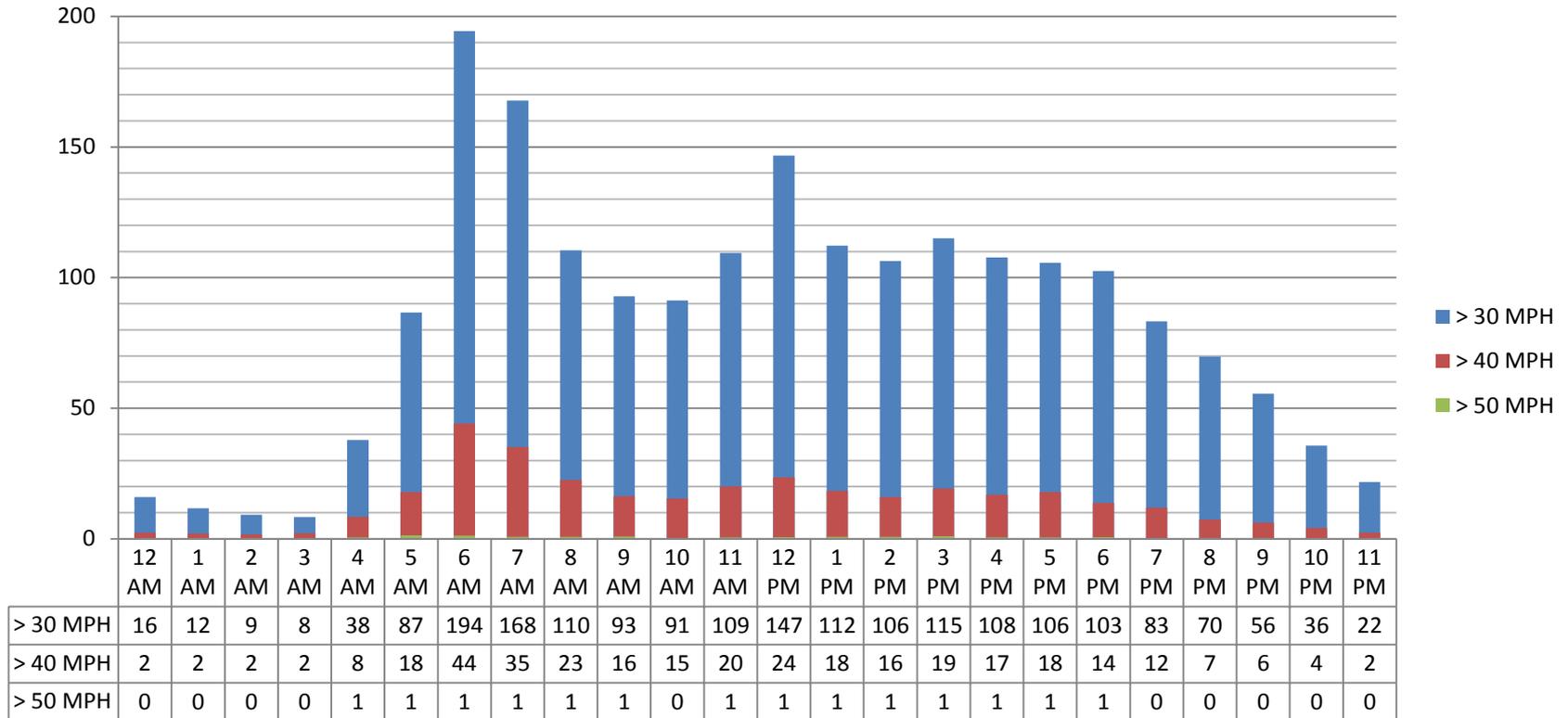
Excess Speed (All Vehicles/Per Day) – Northbound
Posted Speed Limit: 25 MPH



Speed Classification

Average Per Day

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



Report Complete

Sep 8, 2015

Kyle Torster, P.E.

Director of Public Works