



# Maxa Road

Traffic Study

Department of Public Works

City of Aberdeen

# Traffic Study

- Purpose: Provides and 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.

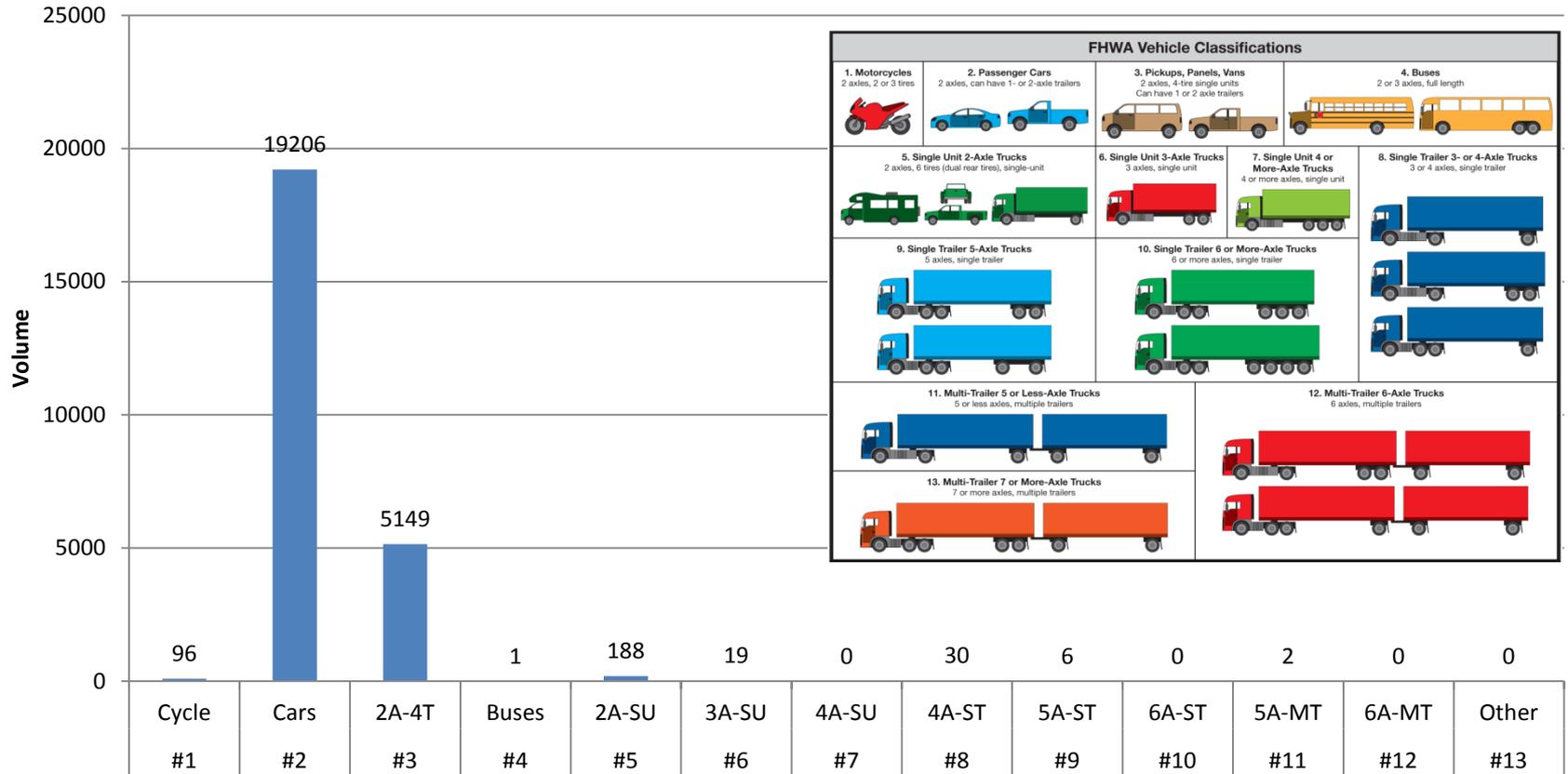
# Scope of Analysis

- Measured Traffic: October 6 – October 20, 2015
- Physical Location: Maxa Road
- Number of Lanes: 2
  - Lane # 1: Northbound
  - Lane # 2: Southbound
- Posted Speed: 25 MPH



# Measured Volume

## Axle Class vs. Volume (all lanes)



# Average Daily Traffic

## Weekday Both Lanes

Cars: 1762 (98%)  
Trucks: 23 (2%)  
Total: 1785

## Northbound

Cars: 924 (98%)  
Trucks: 13 (2%)  
Total: 938

## Southbound

Cars: 841 (98%)  
Trucks: 9 (2%)  
Total: 851

## Weekend Both Lanes

Cars: 1692 (99%)  
Trucks: 2 (1%)  
Total: 1695

## Southbound

Cars: 873 (99%)  
Trucks: 2 (1%)  
Total: 875

## Southbound

Cars: 819 (99%)  
Trucks: 0 (1%)  
Total: 819

## Total Both Lanes

Cars: 1742 (99%)  
Trucks: 17 (1%)  
Total: 1760

## Eastbound

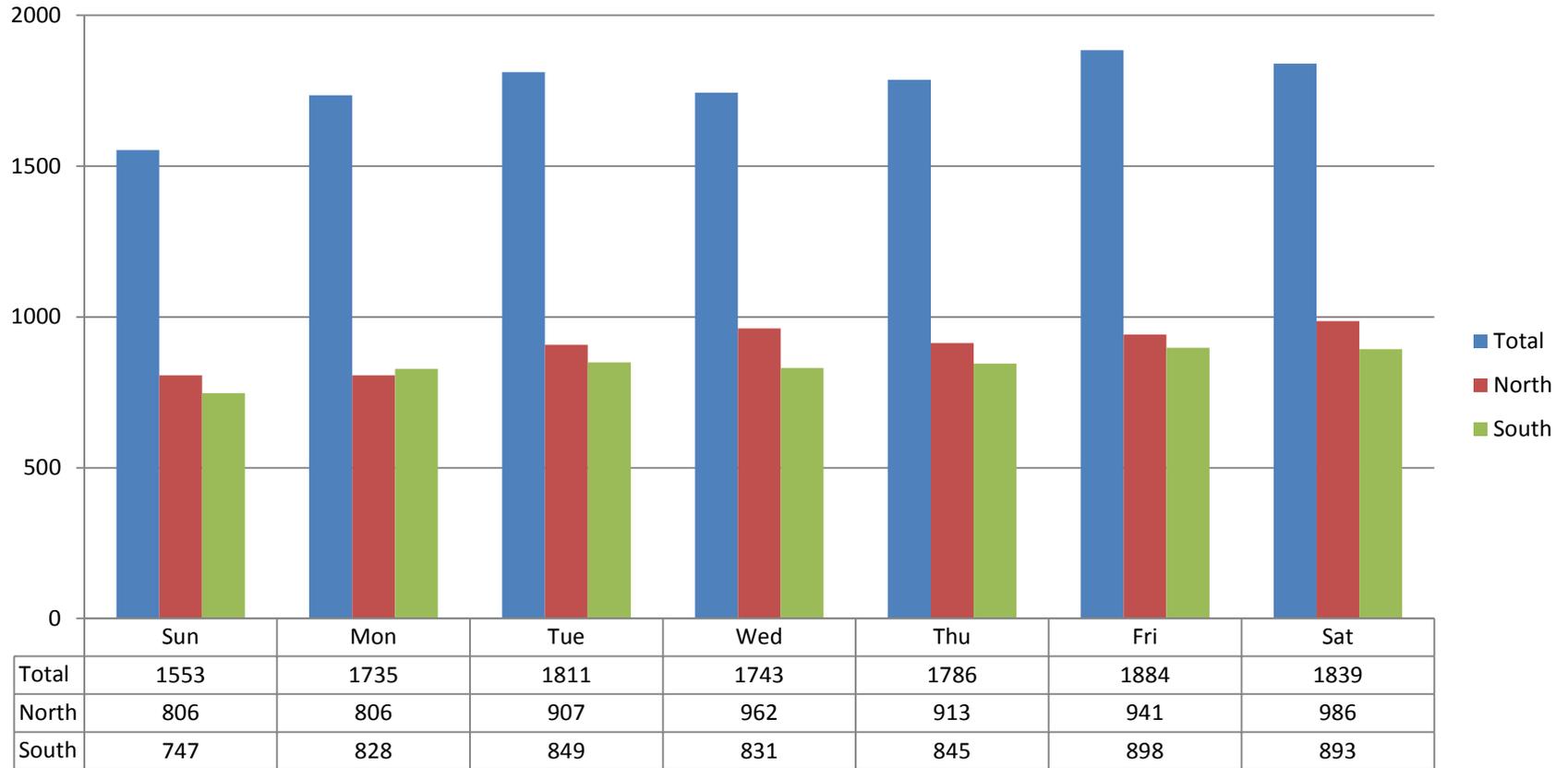
Cars: 912 (98%)  
Trucks: 10 (2%)  
Total: 920

## Westbound

Cars: 834 (99%)  
Trucks: 7 (1%)  
Total: 842

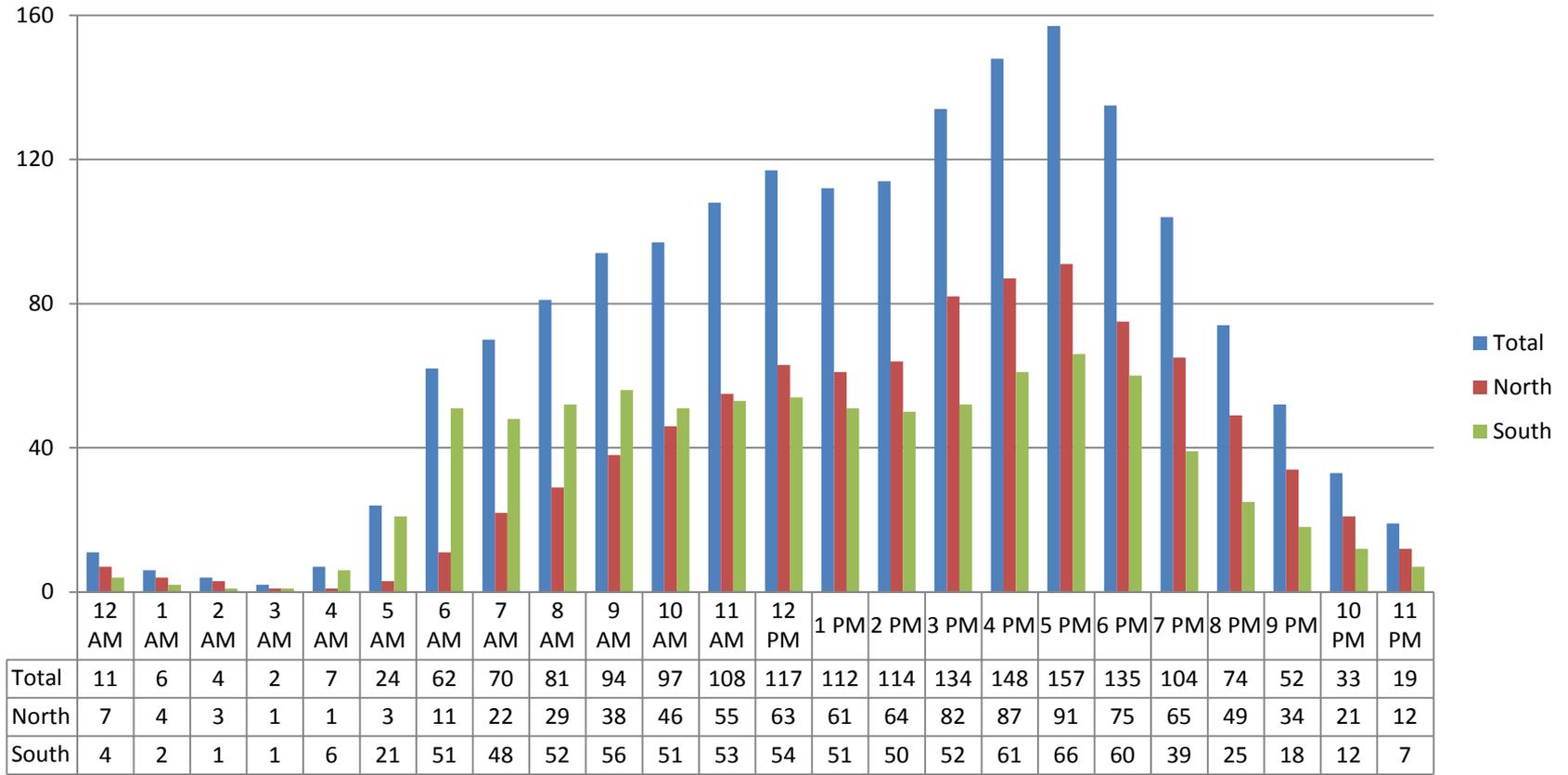
# Volume Per Week

**Average Daily Traffic By Day of Week (all lanes)**



# Volume Per Day

## Average Daily Traffic Volume vs. Time



# Peak Hour Volume\*

AM Peak Hour (Volume)  
Both Lanes

PM Peak Hour (Volume)  
Both Lanes

Weekday: 11:00 – 12:00 PM  
Vehicles Per Hour: 98

Weekday: 4:30 – 5:30 PM  
Vehicles Per Hour: 170

Weekend: 10:45 – 11:45 AM  
Vehicles per hour: 136

Weekend: 12:00 – 1:00 PM  
Vehicles per hour: 144

\* 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 volume for that intersection (or area of study).

# Average Truck Traffic

## Weekday

### Both Lanes

Trucks: 23 (2%)

### Northbound

Trucks: 13 (2%)

### Southbound

Trucks: 9 (2%)

## Weekend

### Both Lanes

Trucks: 2 (1%)

### Northbound

Trucks: 2 (1%)

### Southbound

Trucks: 0 (1%)

## Total

### Both Lanes

Trucks: 17 (1%)

### Northbound

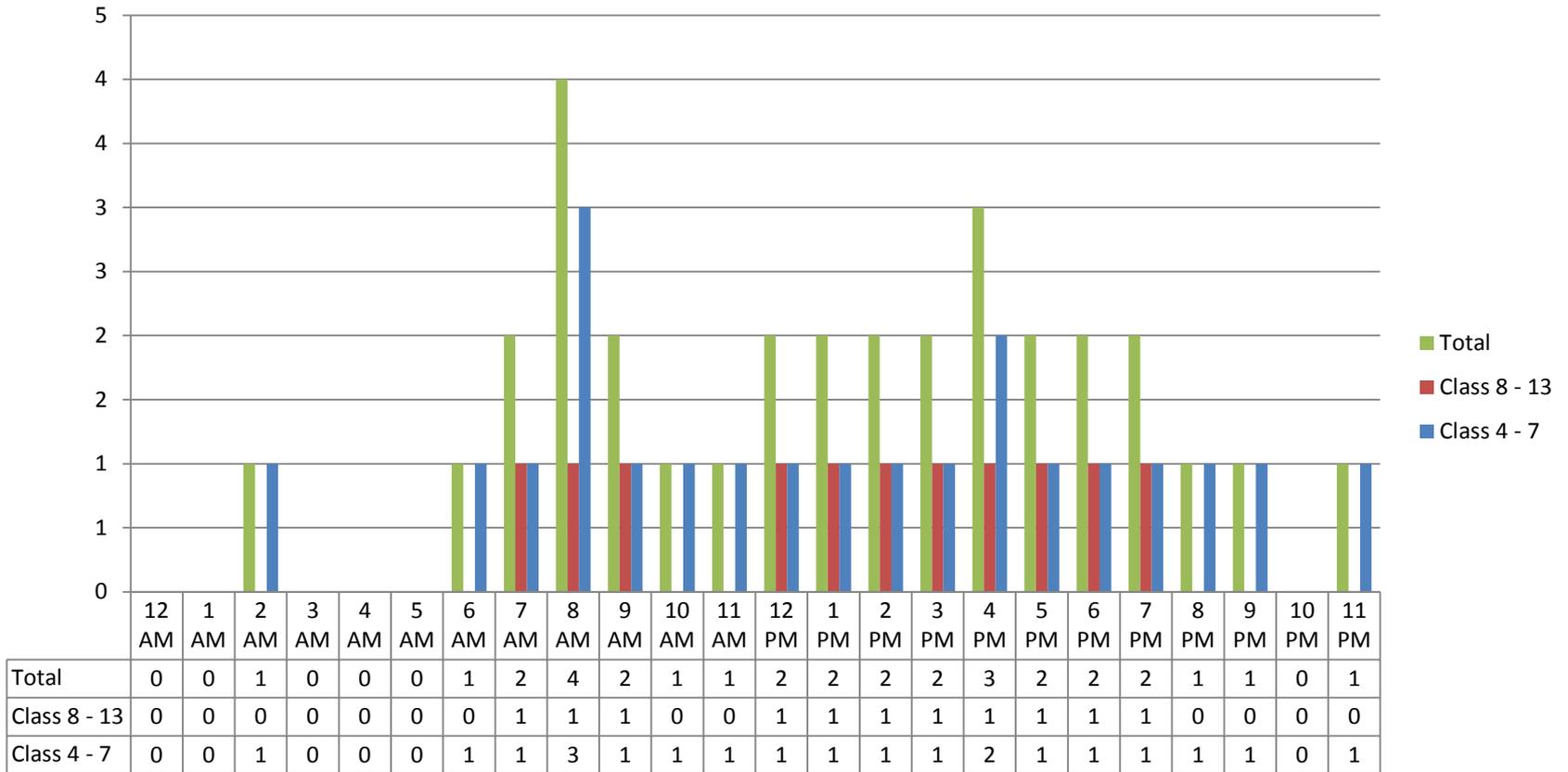
Trucks: 10 (2%)

### Southbound

Trucks: 7 (1%)

# Truck Traffic

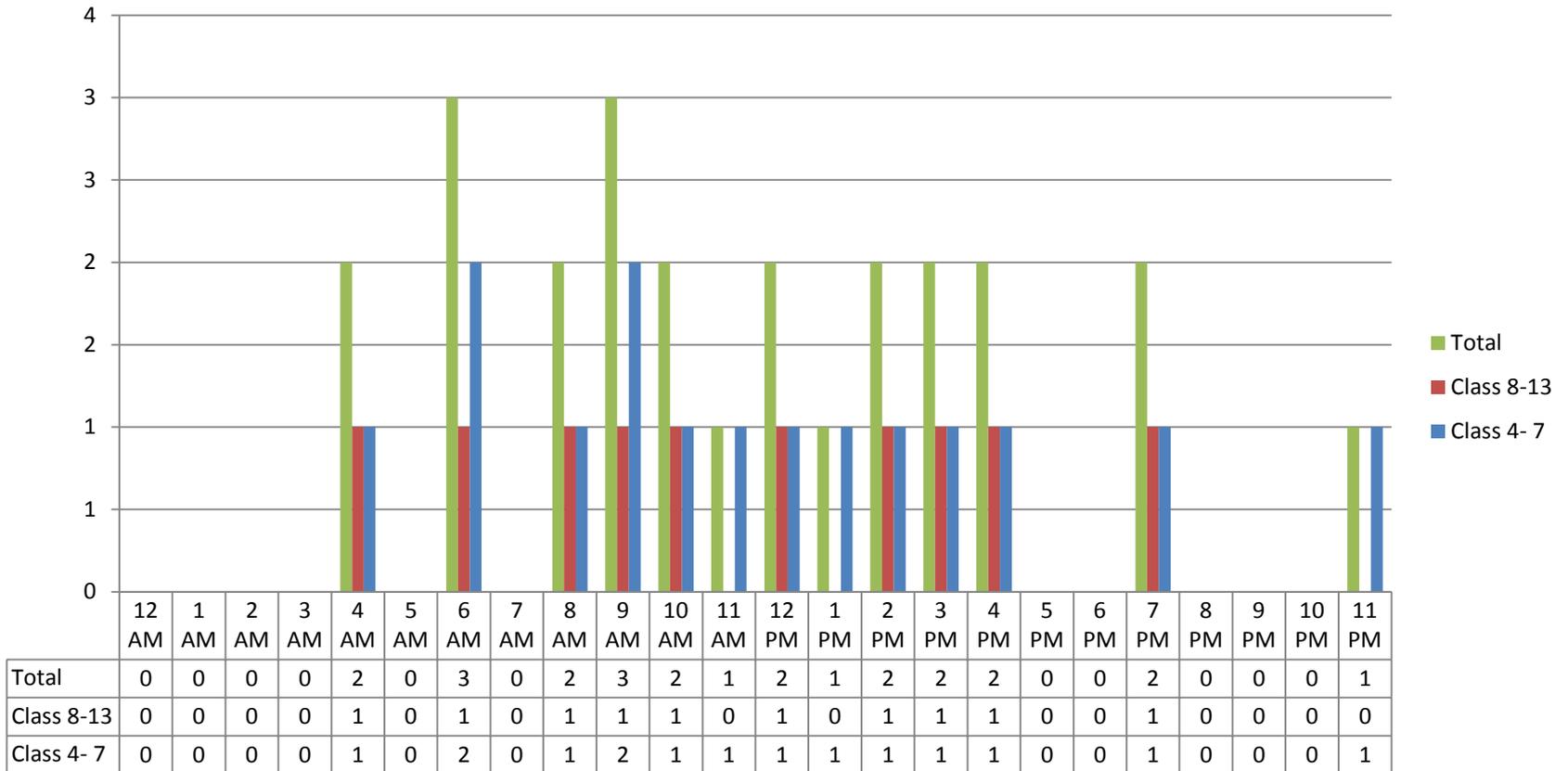
## Truck Traffic (Avg/Day) - Northbound



Numbers Rounded Up

# Truck Traffic

## Truck Traffic (Avg/Day) - Southbound



Numbers Rounded Up

# Posted Vs Actual

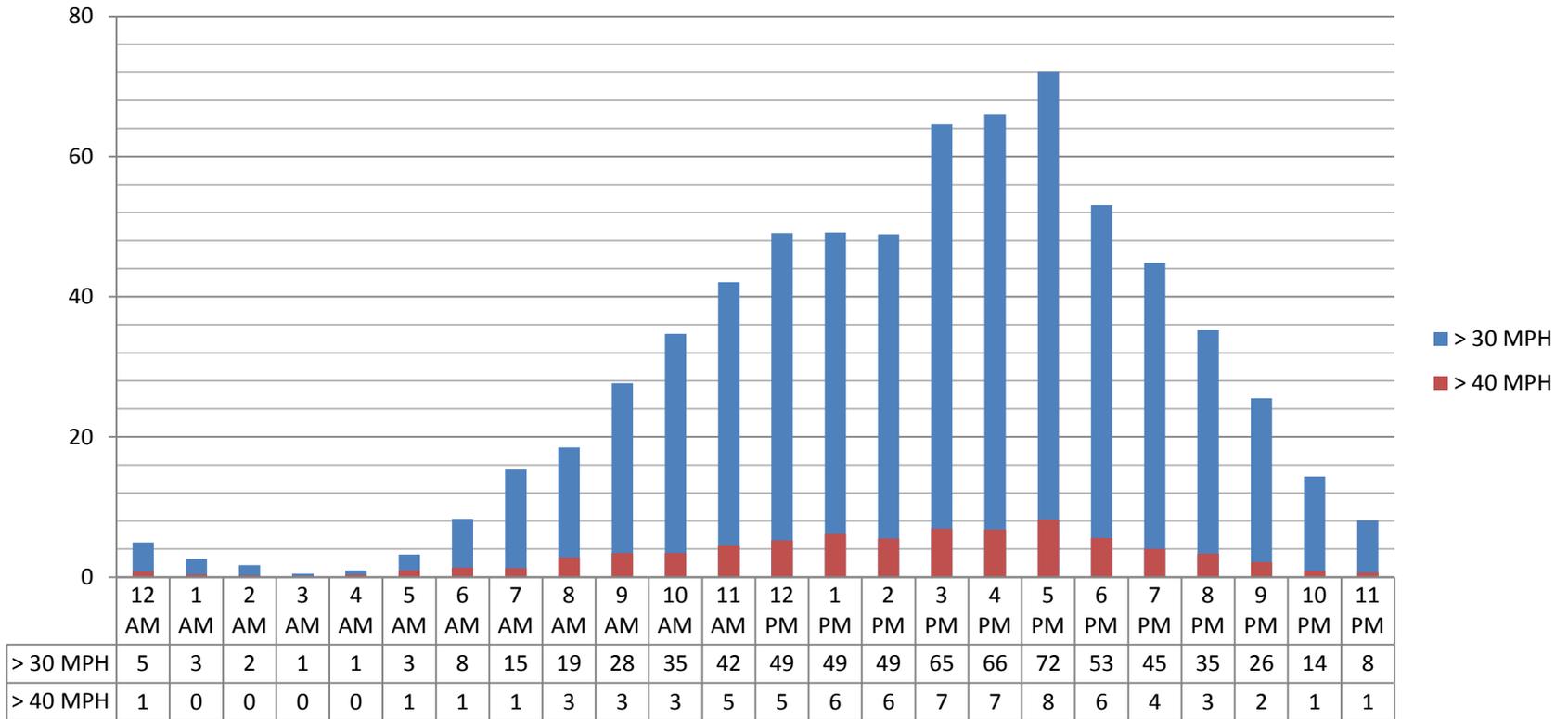
- Posted Speed Limit: 25 MPH
- Measured Speed Limit: MPH

| Lane       | Avg  | 50%  | 67%  | 85%  |
|------------|------|------|------|------|
| North      | 33.2 | 33.1 | 35.2 | 38.7 |
| South      | 35.4 | 35.4 | 38.0 | 41.6 |
| Both Lanes | 34.2 | 34.0 | 36.7 | 39.8 |

# Speed Classification

## Average Per Day

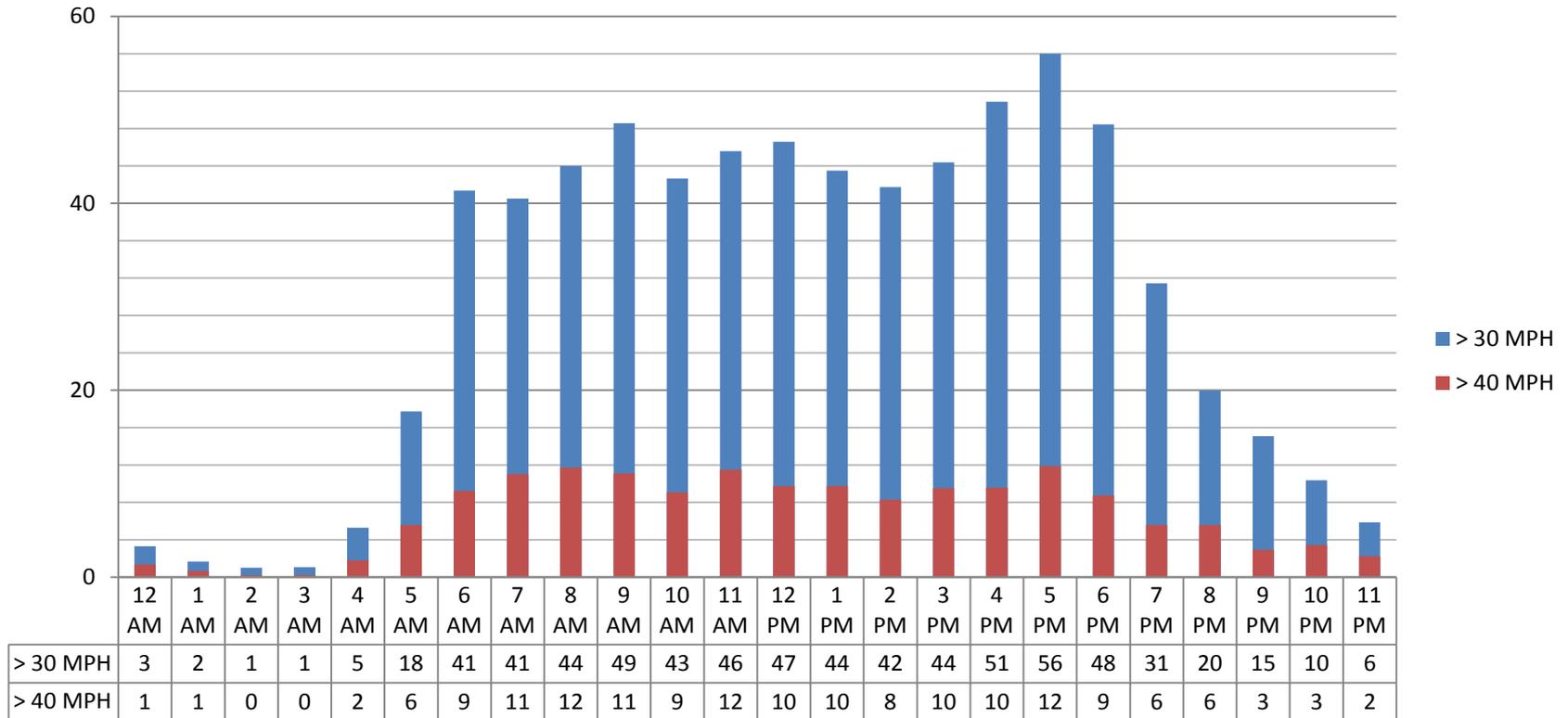
Excess Speed (All Vehicles/Per Day) – Northbound  
 Posted Speed Limit: 25 MPH



# Speed Classification

## Average Per Day

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



# Questions?

30 Oct 2015

Kyle Torster