

Municipality of Anchorage

Traffic Engineering Department

An Overview of the Department
(October 2023)





Department Structure within the Office of Community Development

Public Works

Maintenance
& Operations
(M&O)

Project
Management
& Engineering
(PM&E)

Traffic
Engineering

Main offices and Signals
Shop located at the
Tudor/Elmore campus
(4700 Elmore) with Paint
and Sign Shop located in
Mountainview





Department Mission

Promote safe and efficient area-wide transportation that meets the needs of the community and the Anchorage Municipal Traffic Code requirements

[9.06.090 - Duties of traffic engineer.](#)

[9.14.010 - Authority of traffic engineer to install traffic control devices.](#)

MOA Traffic
Engineering
Department
Overview
(Oct. 2023)





Three Main Groups

Group	Primary Responsibilities
Signals	<ul style="list-style-type: none">• Design, operate, and maintain the combined Municipal and State Traffic Signal System*
Safety	<ul style="list-style-type: none">• Design and maintain Municipal traffic control devices (signs and markings)*• Manage traffic safety programs and reviews
Data	<ul style="list-style-type: none">• Provide transportation data to support core services and MPO/Federal requirements

** Includes maintenance and operations at all DOT&PF signalized intersections*

MOA Traffic
Engineering
Department
Overview
(Oct. 2023)





Traffic Signal Programs

- Run an Efficient Signals System
 - Signal Timing Plans
 - Detection Repair
 - Emergency Repairs
- Construction Support
 - Plan Reviews
 - Signal Timing Adjustments
- Other Equipment Operation and Maintenance
 - School Flashers
 - Emergency Preemption
- Traffic Signal Monitoring/Video Requests

MOA Traffic
Engineering
Department
Overview
(Oct. 2023)





Traffic Safety Programs

- **Capital Projects**
 - **Neighborhood Traffic Calming**
 - **School Zone Safety**
 - **Signals, Signage, and Safety**
- **Reviews**
 - Development Review
 - Traffic Control Plan Review
 - Special Activity Permits
- **Non-Motorized**
 - Pedestrian/Bicycle Coordination
 - Bicycle Wayfinding
 - Safe Routes to School



Bond funded
(\$90,000 towards Traffic Calming/Pedestrian/Bicycle Coordinator position)

MOA Traffic Engineering Department Overview
(Oct. 2023)





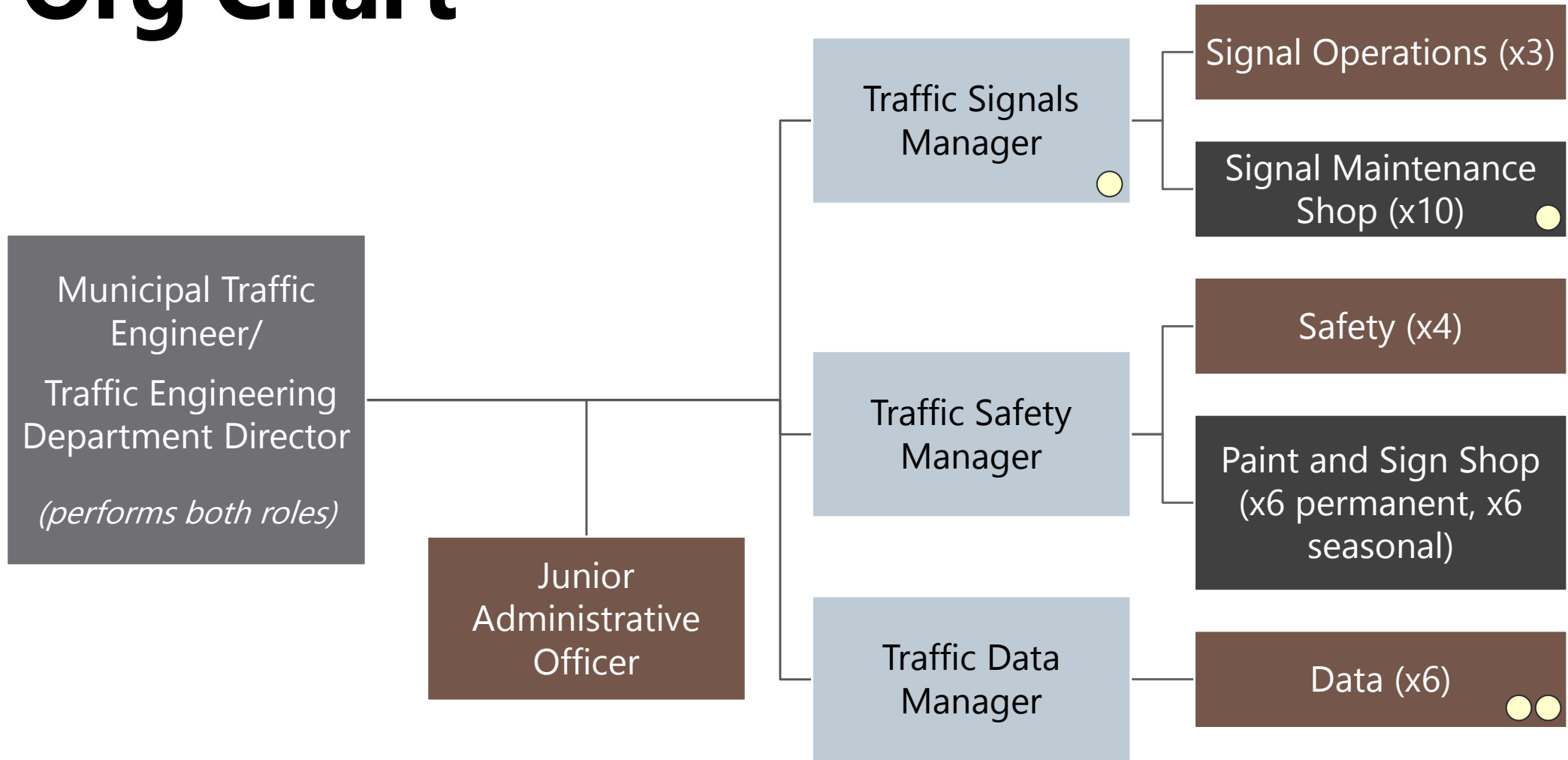
Traffic Data Programs

- Traffic Data Management System
 - Crash Data from Law Enforcement
 - Roadway, Pathway, Trail, and Sidewalk Volumes
 - Traffic Studies
 - Permanent Traffic Recorder Trends and Factors
- Annual Traffic Report
 - Traffic Information
 - Statistics
- Inter/Intra Agency Program and Plan Support
 - Field Collection
 - Data Analysis
- Non-Motorized Safety Campaign – *AMATS funded*

MOA Traffic
Engineering
Department
Overview
(Oct. 2023)



Org Chart



1 Executive
3 Non-Rep
14 AMEA
16 IBEW (+6 Seasonal)
=
34 Full Time (+6 Seasonal)

○ 4 Current Vacancies



MOA Traffic Engineering Department Overview (Oct. 2023)



Note: Some of the positions are grant funded and do not show up in our operating budget.

Traffic Control

283 Traffic Signals

95 MOA, 188 DOT&PF
200 include Traffic Cameras

170 All-Way Stops

15 Roundabouts

Majority on DOT&PF facilities

36 School Zone Flashers

27 Warning Beacons

10 MOA, 17 DOT&PF



MOA Traffic
Engineering
Department
Overview
(Oct. 2023)



Traffic Calming Devices

251 Speed Humps

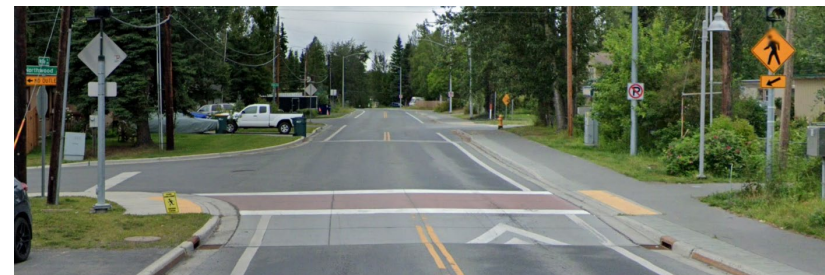
44 Speed Cushions

New Standard – better for emergency vehicles

14 Speed Tables

4 Raised Crosswalks

7 Traffic Circles



MOA Traffic
Engineering
Department
Overview
(Oct. 2023)



Traffic Paint and Signs

67,250 Traffic Signs

14,000 Gallons of Paint Per Year

1,200 Miles of Roadway Paint Lines

Includes 350 miles of lane stripes, 9 miles of curbing,
1,400 Crosswalks, 500 Stop Bars, 300 Speed Humps,
and 4,300 Turn Lane Rabbit Track Dots

3,800 Turn Lane Arrows



MOA Traffic
Engineering
Department
Overview
(Oct. 2023)



Traffic Data Collection

23 Permanent Multimodal Count Stations (Trail/Pathway/Sidewalk)

1 Permanent bike count station

Annual Program

- 450 Volumes (Roadway/Pathway/Trail)
- 125 Studies (Speed, Travel Time, Gap, etc.)
- 8,000 Crash Records Entered, Edited, Q/C
- 200 Other Requests



MOA Traffic
Engineering
Department
Overview
(Oct. 2023)



Questions

- What questions do you have for me?
- What department programs are you the most interested in learning more about in future committee meetings?
- What would you like our MOA Traffic Engineering Standing Report agenda item to focus on each meeting?



MOA Traffic
Engineering
Department
Overview
(Oct. 2023)

