Traffic Engineering

Traffic Engineering

Description
The Traffic Engineering Department promotes safe and efficient area-wide transportation that meets the needs of the community and the Anchorage Municipal Traffic Code requirements. Responsibilities encompass the day-to-day operation and maintenance of Anchorage's 283 traffic signals, 68,000 municipal street signs, and other municipal traffic control and data collection devices and markings that assist in safely moving people and goods on city roads and non-motorized transportation systems in the municipal rights-of-way. We focus on addressing neighborhood traffic concerns and operations that advance public safety, including permit review of development applications for consistency with adopted Municipal Code and professional standards, including the scoping and the review of traffic impact studies.

Traffic Engineering (907)343-8406
4700 Elmore Road 2nd Floor Anchorage, AK 99519
https://www.muni.org/Departments/traffic

Division Goals that Contribute to Achieving the Mayor's Mission:

Safe Streets and Trails – Creating a safer, healthier Anchorage for all by addressing homelessness, investing in crisis response services and public health, cleaning up our parks, trails and public spaces, and staffing up our public safety departments.

- Continuous improvement in the safe and efficient movement of people and goods.
- Timely investigation and response to community traffic inquiries.
- Traffic operation improvements that maximize transportation safety and system efficiency.

Traffic Engineering
Department Summary

	2024 Actuals Unaudited	2025 Revised	2026 Approved	26 v 25 % Chg
Direct Cost by Division				
TR Traffic Engineering	6,859,618	7,208,531	7,630,394	5.85%
Direct Cost Total	**6,859,618**	**7,208,531**	**7,630,394**	**5.85%**
Intragovernmental Charges				
Charges by/to Other Departments	1,839,531	1,939,476	1,964,835	1.31%
Function Cost Total	**8,699,149**	**9,148,007**	**9,595,229**	**4.89%**
Program Generated Revenue	(2,464,577)	(1,971,134)	(2,020,742)	2.52%
Net Cost Total	**6,234,572**	**7,176,873**	**7,574,487**	**5.54%**
Direct Cost by Category				
Salaries and Benefits	4,750,305	5,264,112	5,394,485	2.48%
Supplies	941,062	1,045,947	1,045,947	-
Travel	696	4,861	4,861	-
Contractual/OtherServices	845,516	506,709	798,208	57.53%
Debt Service	208,929	361,822	361,813	-
Equipment, Furnishings	113,110	25,080	25,080	-
Direct Cost Total	**6,859,618**	**7,208,531**	**7,630,394**	**5.85%**
Position Summary as Budgeted				
Full-Time	29	29	29	-
Part-Time	4	5	5	-
Position Total	**33**	**34**	**34**	**-**

Traffic Engineering
Reconciliation from 2025 Revised Budget to 2026 Approved Budget

	Direct Costs	Positions FT	PT	Seas/T
2025 Revised Budget	7,208,531	29	-	5
Debt Service Changes				
- General Obligation (GO) Bonds	(9)	-	-	-
Changes in Existing Programs/Funding for 2026				
- Salaries and benefits adjustments	130,373	-	-	-
- Fleet	195,499	-	-	-
2026 Continuation Level	**7,534,394**	**29**	**-**	**5**
2026 Proposed Budget Changes				
- Voter Approved Bond O&M - 2024 Bond Proposition 6, AO 2024-008(S) As Amended	40,000	-	-	-
- Voter Approved Bond O&M - 2025 Bond Proposition 5, AO 2025-014(S)	56,000	-	-	-
2026 Approved Budget	**7,630,394**	**29**	**-**	**5**

Traffic Engineering
Operating Grant and Alternative Funded Programs

Program	Fund Center	Award Amount	Expected Expenditures Thru 12/31/2023	Expected Expenditures in 2024	Expected Balance at End of 2024	Personnel FT	PT	T	Program Expiration
AMATS: Traffic Control Signalization 2023-2026 (State Grant - Revenue Pass Thru) Updated signal timing plans to address intersection congestion and improving air quality.		373,204	279,000	94,204	-	-	-	-	Mar-27
AMATS: Traffic Counts 2023-2026 (State Grant - Revenue Pass Thru) Collect, input, analyze and perform quality assurance for information pertaining to various pedestrian and vehicular volumes, crashes, and traffic studies.		587,796	326,000	261,796	-	-	-	-	Mar-27
Total Grant and Alternative Operating Funding for Department		**961,000**	**605,000**	**356,000**	**-**	**-**	**-**	**-**	
Total General Government Operating Direct Cost for Department				**7,630,394**		**29**	**-**	**5**	
Total Operating Budget for Department				**7,986,394**		**29**	**-**	**5**	

Traffic Engineering Department

Anchorage: Performance. Value. Results.

Mission

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

Core Services

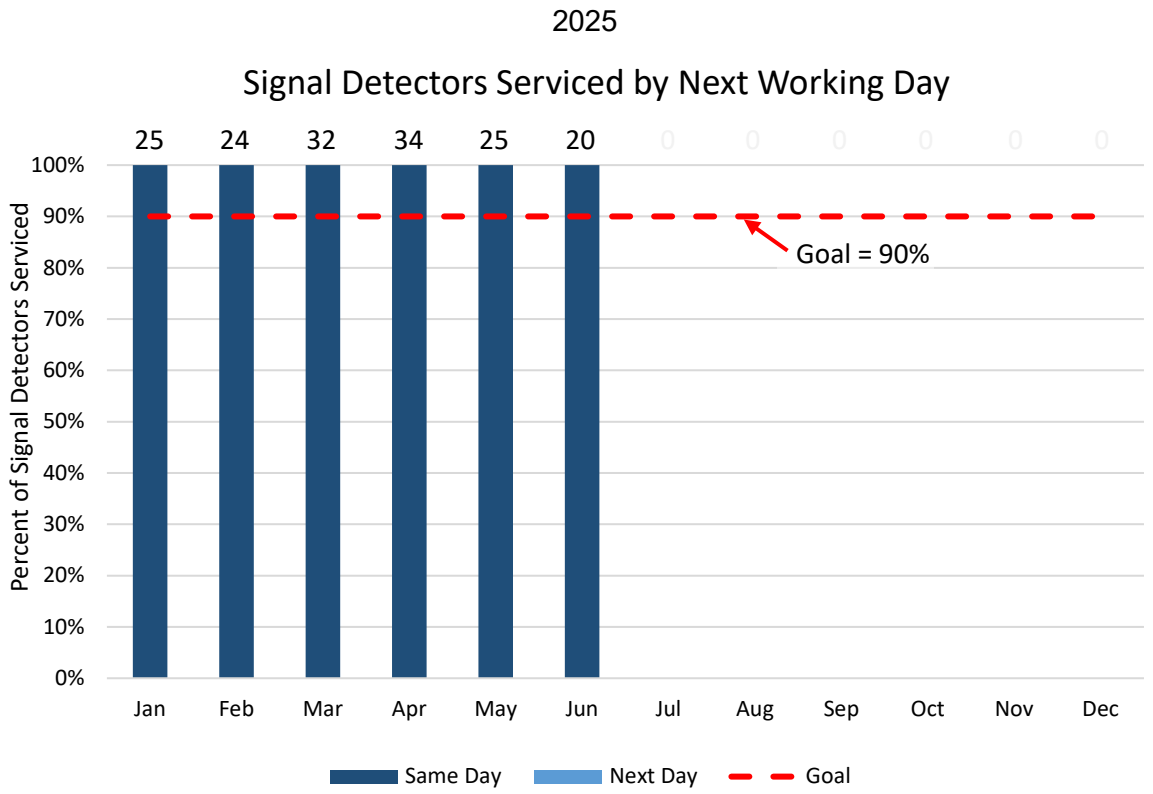
- Design, operate and maintain the Anchorage Traffic Signal System.
- Design and maintain the Anchorage traffic control devices (signage/markings).
- Provide the necessary transportation data to support the core services.
- Provide traffic safety improvements in accordance with identified traffic safety issues.
- Provide traffic review of development plans and building permits.
- Oversee the Municipality's Vision Zero transportation safety program.

Accomplishment Goals

- Continuous improvement in the safe and efficient movement of people and goods.
- Timely investigation and response to community traffic inquiries and permit submittals.
- Traffic operation improvements that maximize transportation safety and system efficiency.

Performance Measures
Progress in achieving goals shall be measured by:

Measure #1: Percent of failed signal detectors serviced by the next working day after notification.

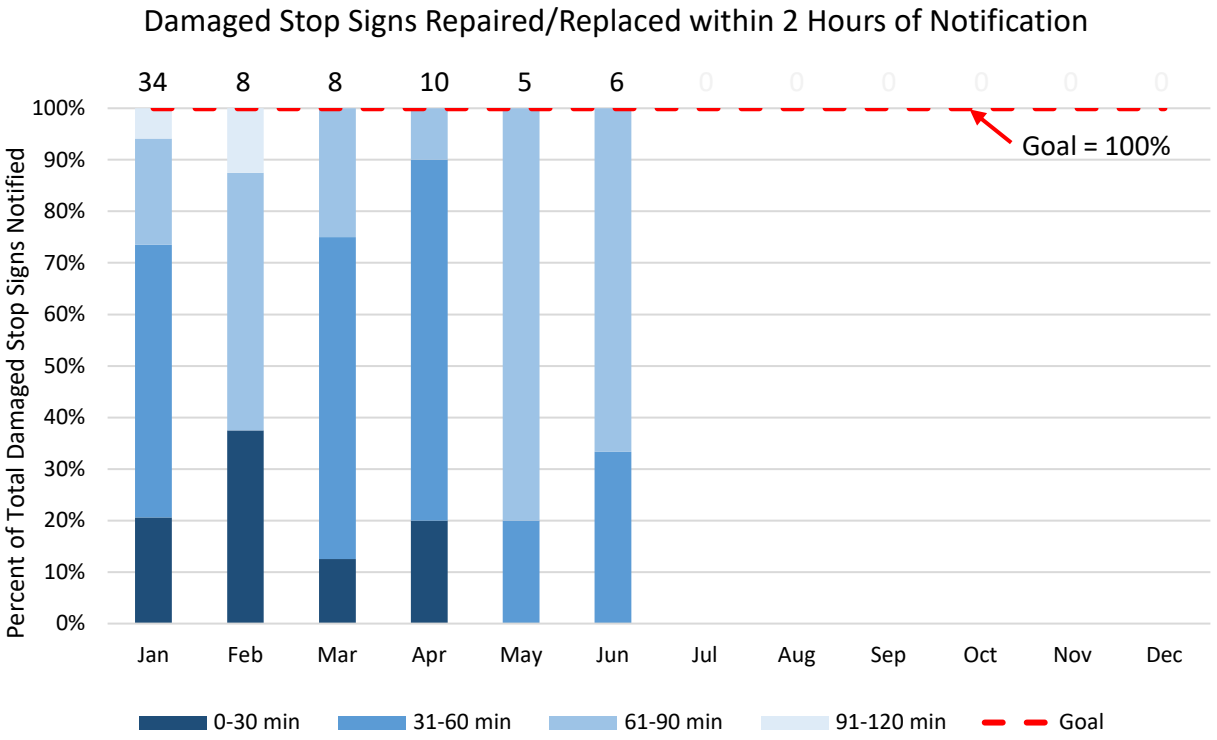


Monthly Signal Detector Servicing	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Number of Failed Signal Detectors	25	24	32	34	25	20						
Average Days* to Service Signal Detectors	0.0	0.0	0.0	0.0	0.0	0.0						
Maximum Days* to Complete Review	0	0	0	0	0	0						
Percent Serviced by Next Working Day	100%	100%	100%	100%	100%	100%						

** Note: 0.0 = Same Day*

<u>Measure #2</u>: Percent of damaged stop signs repaired/replaced within 2 hours of notification.

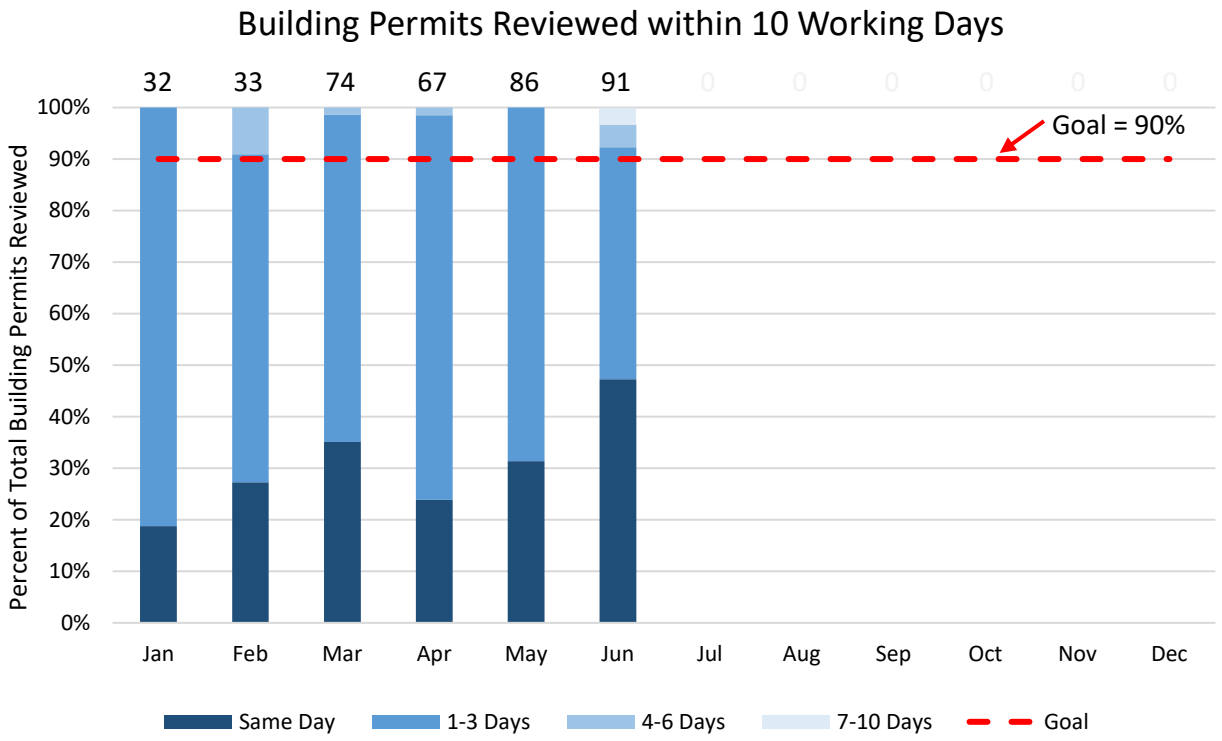
2025



Monthly Stop Sign Repair/Replacement	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Number of Damaged Stop Signs Notified	34	8	8	10	5	6						
Average Minutes to Repair/Replace	48.2	61.5	45.9	45.5	74.0	63.7						
Maximum Minutes to Repair/Replace	113	96	75	69	85	75						
Percent Repaired/ Replaced within 2 Hours	100%	100%	100%	100%	100%	100%						

Measure #3: Percent of building permits reviewed within 10 working days of receipt.

2025



Monthly Permit Review Information	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Number of Permits Reviewed	32	33	74	67	86	91						
Average Days to Complete Review	1.7	1.7	1.4	1.6	1.5	1.3						
Maximum Days to Complete Review	3	4	4	4	3	7						
Percent Reviewed within 10 Working Days	100%	100%	100%	100%	100%	100%						

Performance Measure Methodology Sheet
Traffic Engineering Department

Measure #1: Percent of failed signal detectors serviced by the next working day after notification.

Type

Effectiveness

Accomplishment Goal Supported

Maintain traffic signal efficiency, safety, and roadway capacity by ensuring that traffic signal operations are functioning properly by the next working day 90% of the time.

Definition

This measure reports the number of failed signal detectors and the number of working days it takes to service them from the time the Traffic Engineering Department is notified. It also reports the percentage that are serviced by the next working day after notification of failure.

Data Collection Method

The data will be collected by tracking work orders developed through use of a failed signal detector report and reports from outside sources such as APD and the public.

Frequency

Monthly

Measured By

The data will be collected and maintained by the Electronics Foreman of the Signal Electronics Section in an Excel spreadsheet. The total number of failed signal detector reports and the number of repairs that are performed in the first working day, the second working day, and after the second working day will be recorded.

Reporting

The data collected by the Traffic Engineer will be displayed both numerically and graphically. A status report will be generated quarterly and will show data for each month.

Used By

This information will be used by Traffic Engineering to evaluate department/division budget and all involved personnel for tracking purposes, resource management, and decision making at all levels. The information will help the Traffic Engineer assess the

adequacy of staffing levels in the Signal Electronics Section to maintain efficient and effective repair of the traffic signal system.

Performance Measure Methodology Sheet
Traffic Engineering Department

Measure #2: Percent of damaged stop signs repaired/replaced within 2 hours of notification.

Type

Effectiveness

Accomplishment Goal Supported

Ensures punctual responses to damaged stop signs throughout our road system. Goal is 100% of the time.

Definition

This measure reports the number of stop signs repaired/replaced and the amount of time it takes to get them repaired/replaced from the time the Traffic Engineering Department is notified. It also reports the number that are repaired/replaced within 2 hours of notification.

Data Collection Method

The data will be collected by tracking the date and time of each notification as well as the date and time when the repair/replacement is completed.

Frequency

Monthly

Measured By

The data will be collected and maintained by the Foreman of the Paint and Sign Section in an Excel spreadsheet and will include the date/time of the notification and completion for each repair/replacement. The spreadsheet will calculate the length of time to complete each repair/replacement and the percentage of signs repaired/replaced based on the amount of time elapsed from report to completion.

Reporting

The data collected in the Excel spreadsheet will display the information both numerically and graphically. A status report will be generated quarterly and will show data for each month.

Used By

This information will be used by Traffic Engineering to evaluate their annual department/division budget and all involved personnel for tracking purposes, resource management, and decision making at all levels. The information will help the Traffic

Engineer assess the adequacy of staffing levels in the Paint and Sign Section to provide timely repairs.

Performance Measure Methodology Sheet
Traffic Engineering Department

Measure #3: Percent of building permits reviewed within 10 working days of receipt.

Type

Effectiveness

Accomplishment Goal Supported

Ensures timely reviews and/or approvals of building permits 90% of the time.

Definition

This measure reports the number of building permit reviews completed by the Traffic Safety Division and the amount of time it takes for the reviews. It also reports the percentage reviewed within 10 working days of receipt by Traffic Engineering.

Data Collection Method

The data will be tracked using the Infor/Hanson permitting system.

Frequency

Monthly

Measured By

The data will be collected and maintained by the administrative staff of the Traffic Engineering Department in an Excel spreadsheet and will include the dates the review is opened and completed. The spreadsheet will calculate the number of days for each review and the percentage of building permits that were reviewed within 10 working days.

Reporting

The data collected in the Excel spreadsheet will display the information both numerically and graphically. A status report will be generated quarterly and will show data for each month.

Used By

This information will be used by Traffic Engineering to evaluate their annual department/division budget and all involved personnel for tracking purposes, resource management, and decision making at all levels. The information will help the Traffic Engineer assess the adequacy of staffing levels in the Traffic Safety Division to provide timely reviews of building permits.

Measure WC: Managing Workers' Compensation Claims

Reducing job-related injuries is a priority for the Administration by ensuring safe work conditions and safe practices. By instilling safe work practices, we ensure not only the safety of our employees but reduce the potential for injuries and property damage to the public. The Municipality is self-insured and every injury poses a financial burden on the public and the injured worker's family. It just makes good sense to WORK SAFE.

Results are tracked by monitoring monthly reports issued by the Risk Management Division.