

Quarterly Report

Department

Town Council Meeting Date: February 13, 2024

Second Quarter FY-2023: October, November, December



Please accept this as the quarterly report for the Department of Public Works & Utilities –
Facilities & Fleet Management Division

- 1) **Department introduction:** The Facilities & Fleet Management Division of the Town of Warrenton is responsible for the maintenance and repair of all town-owned assets, including over 20 properties, 300+ fleet vehicles, and a variety of other equipment, such as parks, traffic safety devices, and traffic signals. The division's staff of five team members is dedicated to providing cost-effective and reliable services to ensure that the town's infrastructure is safe and well-maintained.

- 2) **Commendable Achievements:**

How Swift Action Contained Asbestos and Calmed Fears: When routine maintenance at Town Hall uncovered asbestos, a ripple of unease swept through the building. The silent threat, long dormant within the facility, suddenly loomed large. But instead of succumbing to panic, the facilities management division sprang into action, orchestrating a textbook response that contained the hazard and restored peace of mind in record time.

The discovery, though alarming, triggered a protocol. Asbestos specialists were promptly brought in to assess the situation. Swift containment measures were implemented, sealing off affected areas and preventing the spread of potentially harmful fibers. Transparency was paramount – regular updates and clear communication kept occupants informed and anxieties at bay.

The Facilities Management team among others became a beacon of calm amidst the initial turbulence. They knew the key was speed and precision. A comprehensive abatement plan was devised, prioritizing customer service areas and meticulously outlining the removal process. Hurdles were cleared, contractors mobilized, and the clock began to tick. Days turned into a blur of activity.

Finally, the moment arrived. The "all clear" echoed through the halls, greeted by sighs of relief and celebratory high-fives.

The swift and successful mitigation of the asbestos hazard stands as a testament to the power of preparedness, clear communication, and decisive action. The facilities management division initially met with trepidation, became the unlikely heroes of the story, their quiet competence reassuring countless occupants and proving that even in the face of hidden dangers, swift action can turn panic into a podium for success.

Staff Training & Certifications: The Facilities & Fleet Management Division is committed to continuous learning and development. The staff actively seeks out training and development opportunities to stay up-to-date on the latest industry best practices and technologies.

Some of the training and development programs that the staff have completed include:

- **Biobased certified fleet professional program:** This program teaches participants about the benefits of using biobased products in fleet operations. One team member has enrolled in the program and is working to become certified.
- **National traffic incident management:** This program teaches participants how to safely and efficiently manage traffic incidents. This is important for fleet personnel, as they may be called upon to respond to traffic incidents in the course of their work.
- **VDOT Work Zone:** One team member obtained her basic work zone certification. This course is the primary certification of three to be certified for traffic control devices.
- **VCIN Training:** All team members are required to obtain and maintain a valid Virginia Criminal Information Network Contractor Level Clearance. The team has renewed their clearances during this reporting cycle.

The Facilities & Fleet Management Division's commitment to training and development is commendable. The staff's dedication to continuous learning ensures that the town receives the best possible services.

3) **Project Progress:**

- A. **Traffic Task Force (TTF)** – The traffic task force has taken town traffic issues, challenges, and improvements to the next level. Citizen engagement has become one of the main focus points for the task force. The team has placed monitoring devices, radar boards, and a radar trailer in many areas of the town. The practices have become one of the positive discussion points during the recent town talks events. During this reporting cycle there were over 15 individual engagements with citizens in which there was a positive and/or a desirable outcome for the reported issue. A survey was created so that a resident may “rate” the encounter with the traffic task force.

“I give the Town of Warrenton Traffic Task Force high marks for quickly resolving a traffic light timing problem after being notified- a 2 day turn around! This proves the Task Force is actively engaged with the public and has the resources and processes in place to take care of business. Keep up the GREAT work! – Joe”

- B. **Waterloo Street** – The team worked to study the traffic on Lower Waterloo with concerns from residents. This study period is ongoing but has already resulted in many successful changes. We are continuing to monitor this area closely and will adjust our traffic calming measures as conditions warrant.

- C. **Walker Drive** – The team worked to study the traffic issues on Walker Drive at Hidden Creek Lane during the past reporting cycle. Two signs were installed “Hidden Entrance in Curve” this reporting cycle. The study will continue with traffic speed monitoring devices when available and as conditions warrant.

- D. **Town Hall Elevator** – During this reporting cycle the town hall elevator had preventative maintenance service performed and was also inspected for its annual third-party compliance inspection. The unit passed its safety tests and was issued an annual certificate. Staff continues to evaluate extending the life cycle of the asset.

- E. **Fleet Asset Replacements** – The CARP projects are well underway, with three of the police vehicles entering the fleet and a majority of the other departmental vehicles being put into active service.

- F. **HVAC Replacement** – The HVAC projects at town facilities continue to present challenges for staff despite the best efforts to replace the systems as conditions warrant. The water plant supplemental heat project was completed and is currently functioning well. HVAC studies and projects continue at Town Hall, Police Dept, & Public Works.

- G. **Traffic Light Updates** – The Rt. 211/Waterloo Street Traffic Light has been updated to the current Video Traffic Detection and Traffic System Controller standards. The old hardware was out of service for approximately one month and the intersection operated on recall during this period. The team has ordered and will install new equipment at Branch Drive Intersection in the next reporting cycle. The team had a successful meeting with the Fauquier County Schools team regarding the Rt. 211/Waterloo & Van Roijen Intersections and their concerns with signal timing.

- H. **Sign Replacement** – We continue to replace out-of-compliance signs as indicated in the sign program. This includes radar signs that are failing or identified by a traffic study as a need for new installations. The TTF has received a mobile radar speed trailer with messaging capabilities to be used as part of the ongoing Waterloo & Courthouse Square projects. This unit has traveled throughout the town to study visual warning devices' effects on traffic behavior.

- I. **Bear Wallow Drive** – The team in conjunction with the traffic task force studied the traffic on Bear Wallow Drive. This area was also experiencing issues with the radar speed display sign. It was found that the sign needed replacement due to aged components. A new radar sign with flashing red/blue lights was installed. We will be monitoring the results of the new sign and report on statistics at a later date.

- J. **Speed Table** – We have received our speed table that was ordered as part of the traffic calming initiative. We are working to determine the best location for its first use case. This will be planned over the winter for a planned deployment in the spring.

- K. **Town Talks** – The facilities & fleet manager attended two town talk events. Both outreach events were tremendously successful. Many citizens brought forth ideas, concerns, and appreciative comments. The team continues to represent the traffic task force at the events and provide the opportunity for citizen engagement.

- L. **Trunk or Treat** – The team attended the Parks & Recreation trunk or treat event. Staff had a display “trunk” dump truck, plow, photo booth and traffic signal kids area. This event was a great success with staff getting over 600 kids stopping for their booth.

- M. **Hazard Surveys** – The team continues to conduct hazard assessments at town facilities to identify substances or materials that could be potentially disturbed through maintenance practices. These assessments will be used in the creation of operation & maintenance manuals.

- N. **Standard Operating Procedures** – The team has been working to formulate the existing fleet management SOP guidelines into a common operating handbook for the FFM Division. The APWA accreditation framework has been adopted as the guiding principle in this document.

- O. **Sign Program** – The team completed an RFP process for the sign replacement program. A contract was awarded to a local vendor for the purchase of sign materials. This contract will enable staff to obtain traffic signs more effectively and reduce the time between the order and installation of such traffic notification devices.

- P. **Entry Level Drivers Training Academy** – The team in partnership with our Human Capital Team has successfully launched a cohort of 10 students who desire to advance their careers and the services of our Public Works & Utilities Departments. This will be the largest group of students to date and a remarkable achievement for the Town, These students will embark on an approximately 120-course hour-long program that covers all aspects of commercial motor vehicle operation, classroom, range, and road training.
- Q. **Waze Connected Cities Program** – The team has implemented the Waze Connected Cities Program through its traffic task force and in conjunction with the communications manager. This program was used for the Christmas Parade Road closures, Rappahannock Street Construction, and the upcoming courthouse square traffic project. The platform can engage motorists and alert them of upcoming traffic hazards, road closures, and general alerts. This program is part of an overall traffic management initiative started by VDOT.
- R. **Utility Facilities Bamboo Eradication** – The team has begun a project to remove bamboo from a utility facility outside of town limits. This issue was forwarded to us by the County Administrator. The team has been engaged with the county on this issue and is working through the beginning stages of the project. The team is in the final stages of applying for a land disturbance permit to complete the removal of the invasive species. Staff has conducted door to door talks with the neighbors adjoining the property to keep them informed of the work progress.
- S. **Town Fuel Pumps** – The team continues to work through different solutions for the fuel system located at 360 Falmouth Street. The system is having continual issues with the check valves in the gasoline system. This has led to problems “priming” the pump upon activation. We have recently engaged with a new vendor after exhausting many attempts to get the previous vendor to provide service options.
- T. **Facility Safety Labeling** – The team is in the process of evaluating a new safety labeling printer. This unit will provide an economical method to produce regulatory safety warning labels and stickers. Once this evaluation process is complete we expect to proceed with updating compliance labeling in town facilities.
- U. **Town/County Partnership** – The team continues to engage in collaborative partnerships as championed by the Town Manager’s Office. We are committed to working with our county partners and provide a path to success. There are two upcoming meetings and joint facility usage planned to date.
- V. **Motor Vehicle Collision** – In December a motorist suffered a medical emergency and drove through the shed located at the cemetery. The motorist collided with a neighboring property and was treated by Fire & EMS. The team provided temporary safety fencing, cleanup, and has begun the process of receiving estimates for the replacement of the structure.

4) Charts and information:

- A. The Facilities & Fleet Management team has created a presentation to provide a clear concept of operations on the newly formed division. This presentation is attached.
- B. The radar speed display boards have proven effective for monitoring traffic concerns throughout the town, A sample of the representative data from these devices is shown in the attachments.
- C. The traffic task force has prioritized citizen and community engagement. A flyer has been created and has been distributed during the recent town talk events. Additionally, a QR code was created as a way to capture feedback on the traffic task force and any feedback that a citizen may want to provide on their experience. This flyer and feedback survey QR code are attached to this report.
- D. A copy of the Traffic Task Force Alert in partnership with the Waze Connected Cities Program is attached to this report.

5) Data:

- A. As mentioned in the previous section the traffic task force has provided a sample representation of data that it is currently analyzing from the new radar signs.
- B. In the three short months since the reorganization of the town traffic email we have successfully engaged with over 15 residents on their traffic-related feedback or concerns. We are anticipating a significant increase in outreach as we work to further engage with the public.

Meet Our Team

"Teamwork is the secret that makes common people achieve uncommon results"

TOWN OF
WARRENTON
VIRGINIA



**FACILITIES
&
FLEET
MANAGEMENT**

Introducing Our Team



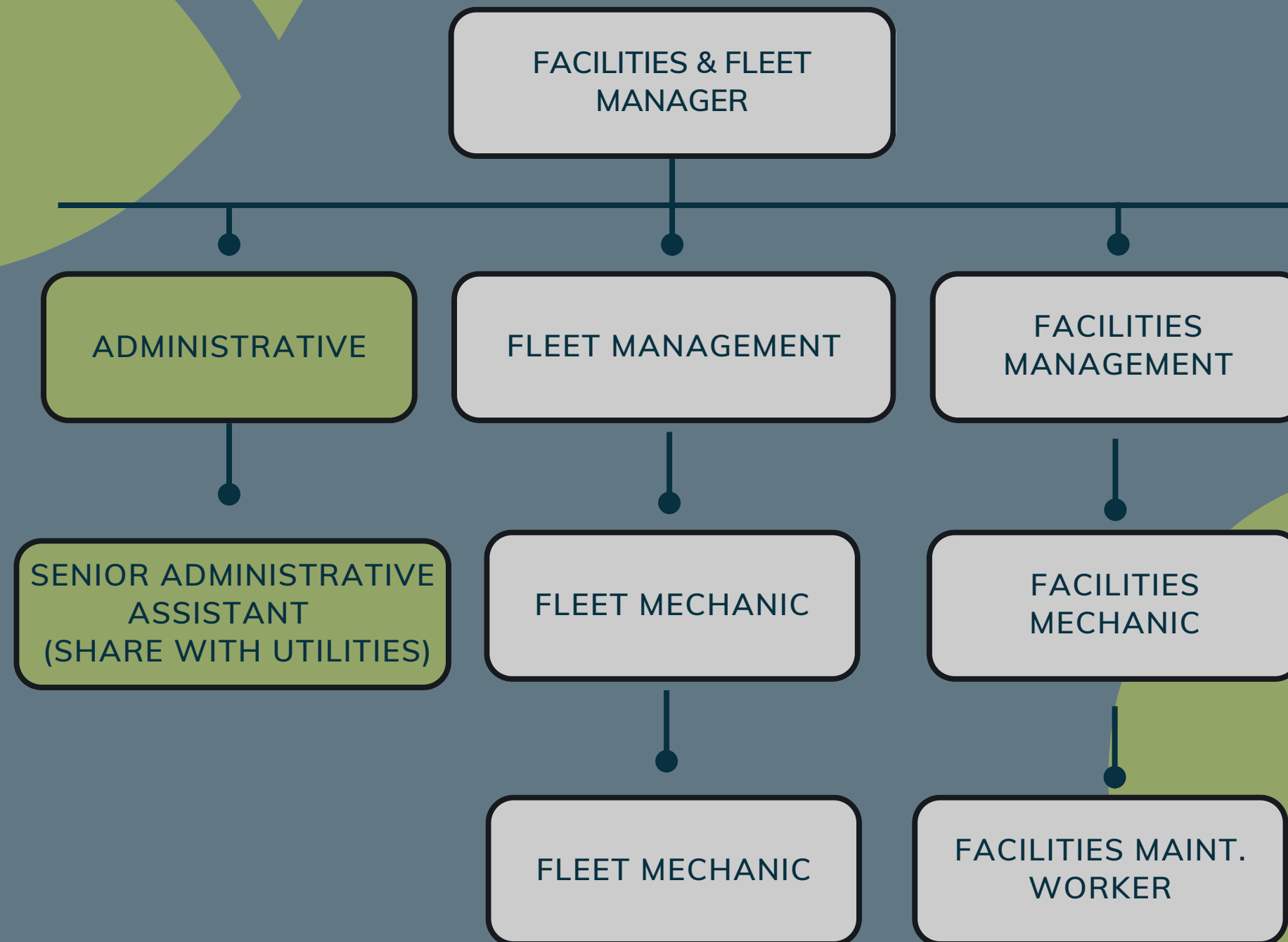
Our Story

The Facilities and Fleet Division (FFM) serves as an internal resource organization, providing a full range of services to Town departments and agencies, that offer vital resources and programs, to the public.

Our Mission

The Mission of the Division of Facilities & Fleet Management (FFM) is to support the operations of other Town of Warrenton departments, agencies, and citizens by providing high-quality and cost-effective asset management and services. FFM ensures the safe and efficient use of the Town of Warrenton's assets by effectively managing the maintenance and repair of vehicles, equipment, and properties occupied by the Town. Our finished products and services shall meet or exceed industry standards, best practices, and our user departments' expectations, enabling Town departments and agencies to carry out the Town's mission.

Organizational Chart



Our Team Members



Facilities & Fleet Manager

Johnny Switzer,
BCFP, FMP.



Senior Administrative
Assistant

Victoria Kyne



Fleet Mechanic

Michael Fisher



Facilities Mechanic

Johnny Powers



Our Team **Members**



Fleet Mechanic

Richard Benavidez



Facilities Maint. Worker

Peyton Cvengros

Our Team's History

2016

Reorganized the Motor Pool into a Fleet Services Division

2021

Merged the Fleet Services Division to become the Facilities & Fleet Management Division

2017

Fleet Replacement Plan was adopted by Town Council

Present

Delivering cost-effective maintenance and repair of facilities & fleet assets owned by the Town

We are continuously aiming for excellence!



Fleet Management

Budget

Personnel
\$241,723

Operating
\$501,974

Employees

Facilities and
Fleet Manager
.45 FTE

Mechanics
2 FTE

Assets

130 Motorized
Assets

200+ Support
Assets

Fuel

1 Fuel Station
4,000 Gal. ULSD

6,000 Gal.
Gasoline



Facilities Management

Budget

Personnel

\$483,104*

Including Cemetery, Land Mgmt, &
Warf Maint. Staff

Operating

\$592,864

Employees

Facilities and Fleet
Manager
.55 FTE

Mechanic
1 FTE

Maintenance Worker
1 FTE

Assets

20+

Properties

1000+

Assets

Traffic Signals

& Signs

10 Signalized
Intersections

3500+ Signs

Central Work Order System

The screenshot displays the UpKeep Work Orders interface. The left sidebar contains navigation options: Work Orders, Preventive Maintenance, Analytics, Requests (37), Shared Work Orders, Locations, Assets, Parts/Inventory, Purchase Orders, Meters, People & Teams, Vendors & Customers, Checklists, Categories, Files, Request Portal, Import/Export, DataHub, and Edge. The main content area shows a list of 10 work orders with the following data:

Due	WO #	Status	Work Order Title	Priority	Assignee(s)	Location Name	Asset	Last Updated	Created On
09/18/23	711	Open	Light bulb	P		Police Depart...		11/27/23	09/11/23
-	072	On Hold	Need to Seal Floor to Foundation in Baseme...			Town Hall		02/03/22	09/03/21
-	513	Open	Light Bulb Replacement in Raw Water Pump ...		No Assignee(s)	Raw Water St...		03/02/23	02/25/23
-	634	On Hold	Meter Supervisor		No Assignee(s)			07/27/23	07/17/23
-	637	On Hold	Lights out in Town Hall 1st floor kitchen/bre...		No Assignee(s)	Town Hall		07/31/23	07/27/23
-	208	On Hold	Podium Fixes/Improvements		No Assignee(s)	Town Hall		07/31/23	01/05/22

CF-1: Serve as the central, inviting public service center for Town and County residents with a proportionate share of community services provided by other governments, including a fair and reasonable balance in funding sources for community facilities.

CF-5: To provide a fiscally responsible infrastructure that maintains a high quality of life for residents, supports current businesses, and attracts new employers with a stable tax structure.

Fleet Replacement Plan

1.0 OVERVIEW

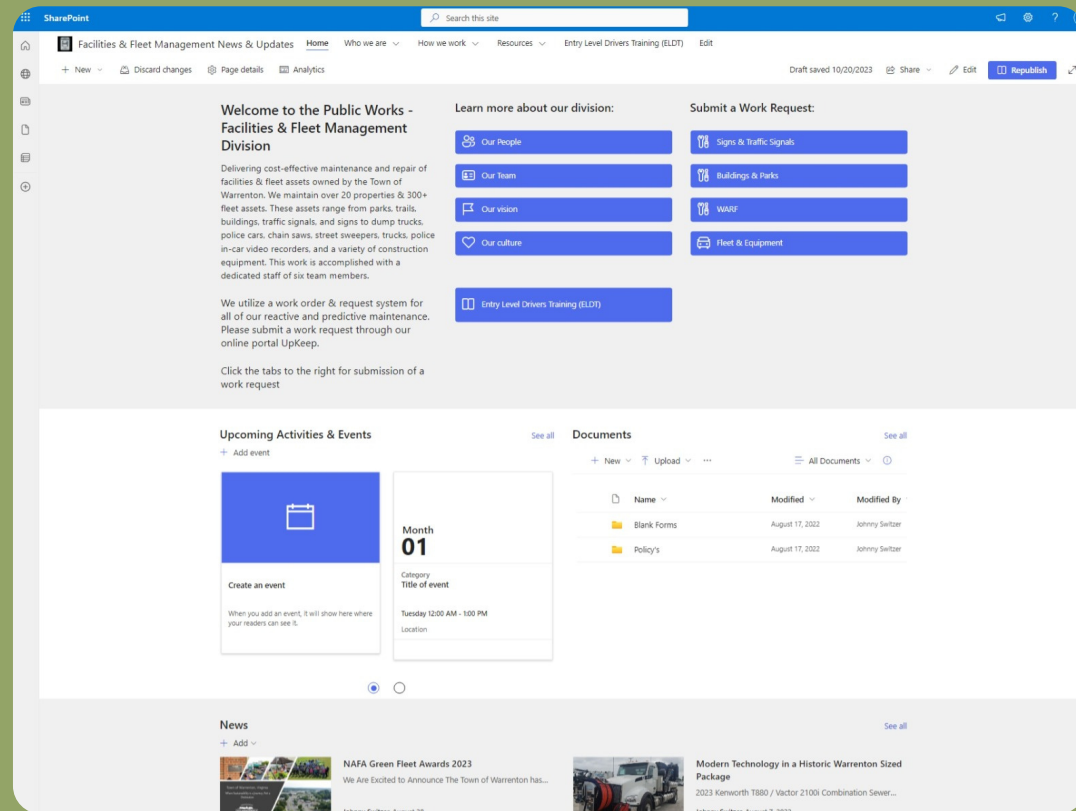
It is the goal of the Town of Warrenton to provide staff with the tools needed to do the job in a professional, safe, and efficient manner. Among the biggest “tools” in accomplishing the tasks are motor vehicles and motorized equipment. In addition, these items are a very substantial financial investment and need to be handled in the most economic manner to the Town, both in their operation and in maximizing their disposal value.

Each vehicle and/or piece of equipment has a number of “lives”. It has a service life, which is the amount of time a vehicle is capable of rendering service. It has a technological life which represents the relative productivity decline of the unit as compared to newer models. Most important, a unit has an economic life, which is the length of time the average total vehicles cost is at a minimum. The following unit expenses and costs should be considered in determining fleet replacement recommendations:

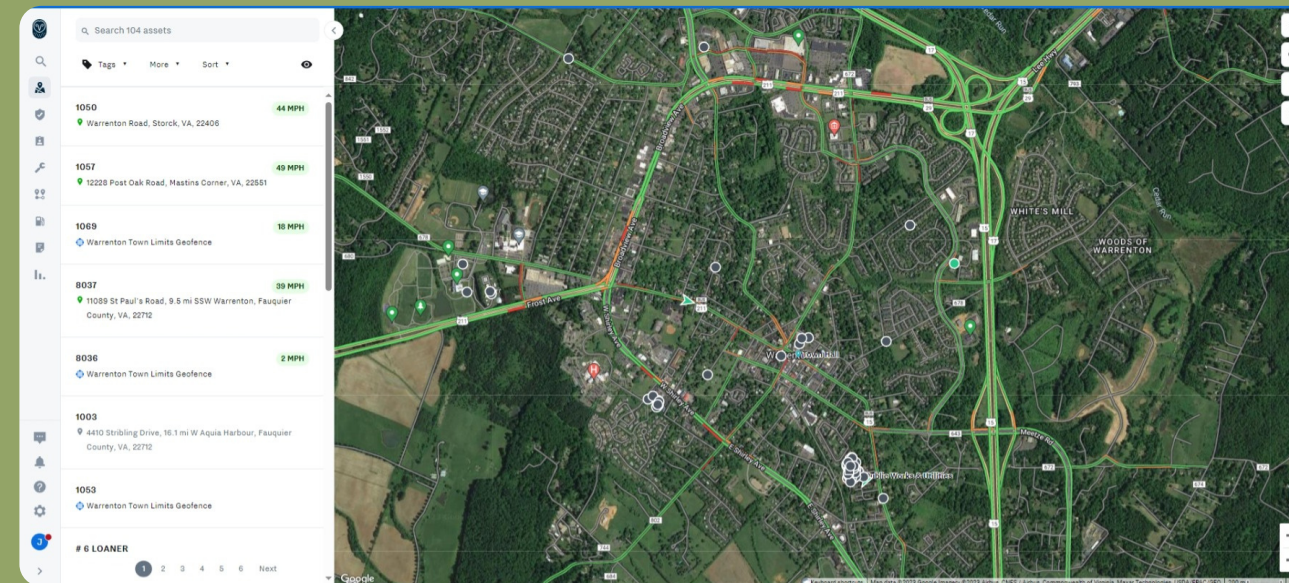
1. Fuel Costs
2. Operation Costs
3. Maintenance Costs
4. Downtime
5. Technological Improvements
6. Condition
7. Safety

CF-5: To provide a fiscally responsible infrastructure that maintains a high quality of life for residents, supports current businesses, and attracts new employers with a stable tax structure.

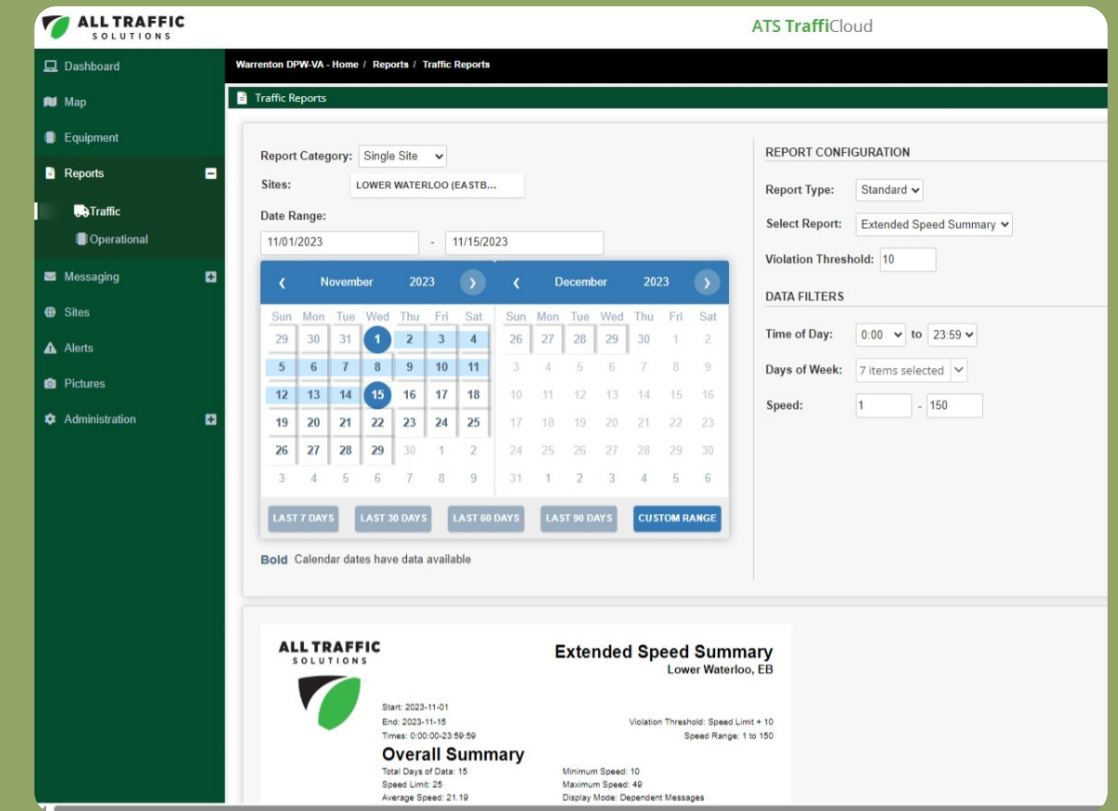
Technology Integration



Sharepoint Intranet



GPS Telematics Program



Connected Traffic Speed Monitoring Systems

CF-2: Public safety services and policies are viewed as amongst the best in similar Virginia towns for their responsiveness, community trust, and effectiveness

T-1: Improve Multimodal Capacity and Safety that Encourages trips by walking, bicycling, and transit.

Training & Development



Congratulations Jacob!

The Town Of Warrenton is pleased to announce that Jacob Olinger is the Third Graduate of our E.L.D.T. CDL Program and has earned his Class A CDL. We're Proud of You!



**TRAINING
PROVIDER REGISTRY**

Verified



E-2: Increase the employment base to allow residents to live and work in Warrenton.

Awards

2023 Recipient of
the National
Association of Fleet
Administrators
Top 50 Green
Fleets
&
2023 Rookie of
the Year

NAFA GREEN FLEET AWARDS™

EXPERIENCE



WARRENTON

VIRGINIA

EST. 1810

Fleet & Facilities Management

NAFA
GREEN FLEET
AWARDS™

RANKED #45

2023

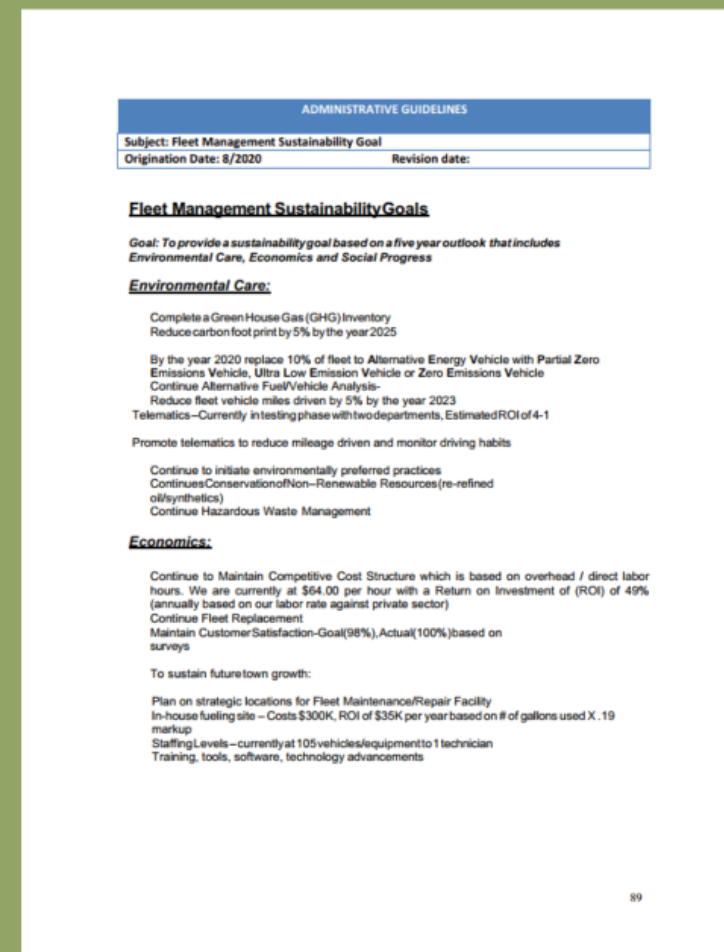
Green Fleet Policies & Procedures



Policies and Procedures



- By Year 2020 Replace 10% of the fleet with partial **Alternative Energy Vehicle** with **Partial Zero Emissions Vehicle**, **Ultra Low Emissions Vehicle**, or **Zero Emissions Vehicle**.
- By the Year 2025, Replace Police Vehicles with 50% Hybrid Electric
- By Year 2030, Replace Police Vehicles with 100% Hybrid Electric



CF-3: Green infrastructure and sustainability are incorporated into community facilities to promote energy efficiency and environmental protections.

Green Fleet Energy & Fuel Reductions



Energy and Fuel



- Solar paves the way to reduced greenhouse emissions (GHG)



- Free Level 2-100 Amp EV charging stations for all



CF-3: Green infrastructure and sustainability are incorporated into community facilities to promote energy efficiency and environmental protections.

Community Facilities



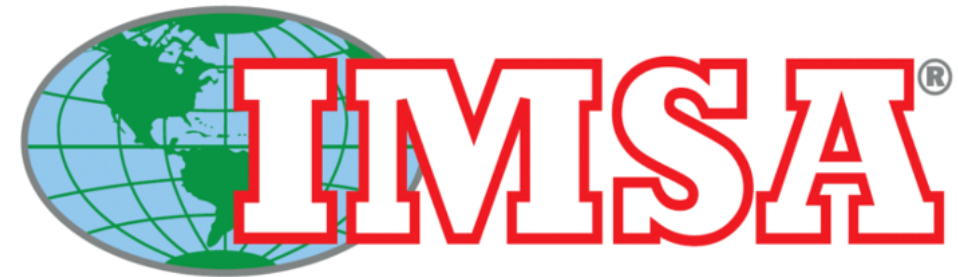
P-3: All Town residents will have the opportunity to access its recreational assets and natural resources, including public spaces and recreational amenities.

Open Space & Environmental Restoration



P-1: Preserve, enhance, and protect the environmental, scenic, and natural quality of the Town.

Traffic Management Systems



Your Partner in PUBLIC SAFETY



Certified Staff

T-1: Improve Multimodal Capacity and Safety that Encourages trips by walking, bicycling, and transit.

Traffic Task Force



TOWN OF WARRENTON
TRAFFIC TASK FORCE

Traffic Problems?
**WE WANT TO
HEAR FROM YOU**



- What is the date and time of the incident?
- Where did the incident occur?
 - Street Address, intersection, etc.
- What type of issue are you reporting?
 - Traffic
 - Speeding
 - Signs
 - Roadway Damage
 - Other
- What time of day does the traffic issue typically occur?
- How long does the traffic issue usually last?
- Please describe the issue in detail.
- Did you witness the incident yourself?
- What impact is the traffic issue having on you or your community?
- Please provide your name and contact information if we need to follow up with you
- Is there anything else you would like us to know about the issue?
- Send us a photo or video if possible of the issue.

TOWN OF WARRENTON
TRAFFIC TASK FORCE

CONTACT US



(540) 347-1101



TOWNTRAFFIC@WARRENTONVA.GOV



OLD TOWN HALL
18 COURT STREET
WARRENTON, VA 20186



WWW.WARRENTONVA.GOV



TRAFFIC TASK FORCE

The Town of Warrenton, VA, Traffic Task Force (TTF) is a group of stakeholders who are dedicated to improving traffic safety in the town. The TTF is made up of representatives from the town government, law enforcement, public works, community development, and other interested parties.

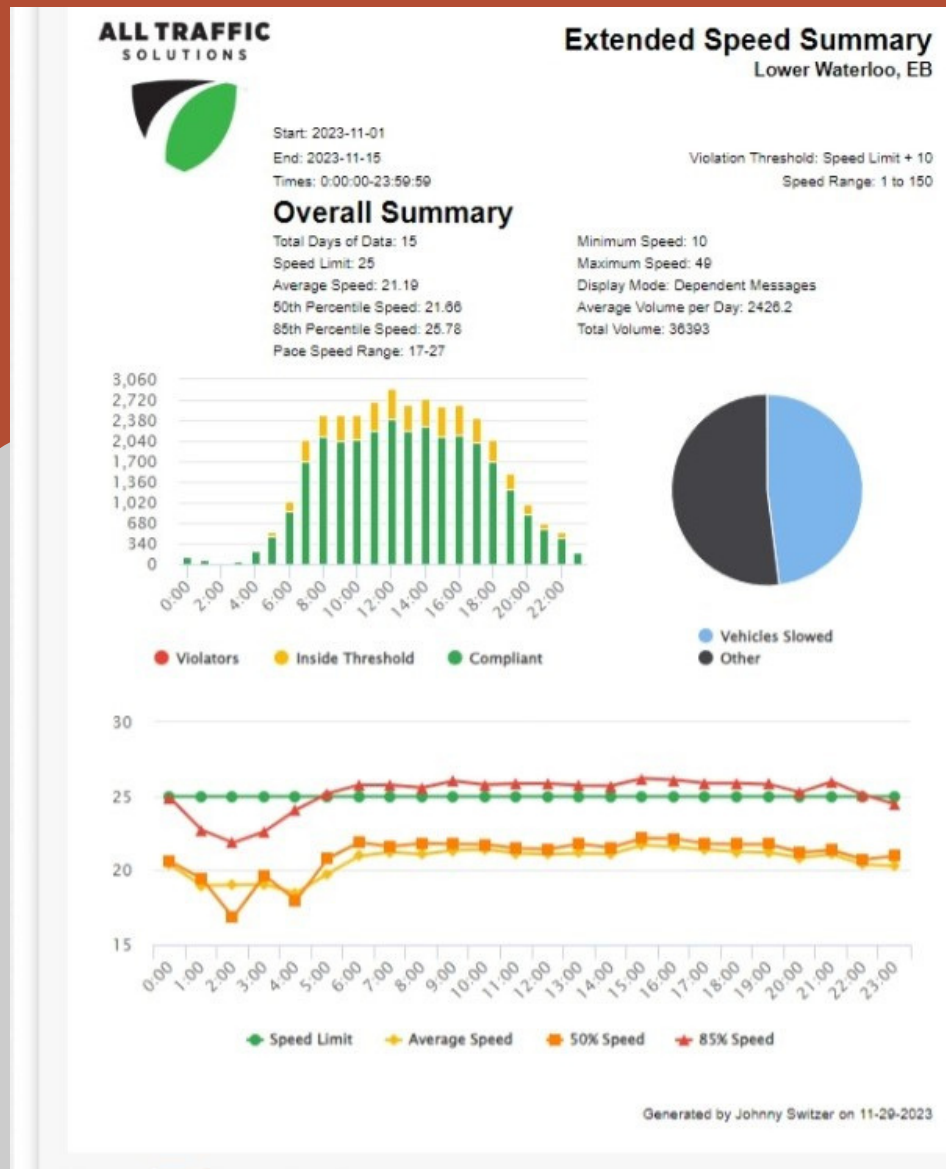
The TTF has a number of high-level goals, including:

- Reducing traffic fatalities and injuries
- Improving traffic flow and reducing congestion
- Promoting safe and sustainable transportation options
- Educating the public about traffic safety



T-3: Promote Livability in the Town by Creating Great Places Where Residents and Visitors Feel Welcome and Safe

Traffic Task Force Community Engagement



Good morning, survey completed and appreciate being able to give positive feedback. – Joe

“I give the Town of Warrenton Traffic Task Force high marks for quickly resolving a traffic light timing problem after being notified- a 2 day turn around! This proves the Task Force is actively engaged with the public and has the resources and processes in place to take care of business. Keep up the GREAT work! –Joe”

T-3: Promote Livability in the Town by Creating Great Places Where Residents and Visitors Feel Welcome and Safe

Emergency Operations



Threats:
Damaging Winds
Large Hail
Few Tornadoes
Timeframe:
1pm - 8pm

CF-2: Public safety services and policies are viewed as amongst the best in similar Virginia towns for the responsiveness, community trust, and effectiveness.

Industry & Professional Associations



HR-4: Enhance the Environment Through Preservation and Sustainability Best Practices.

TOWN OF WARRENTON
TRAFFIC TASK FORCE

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TOWN OF WARRENTON
TRAFFIC TASK FORCE

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**TOWN HALL
21 MAIN STREET
WARRENTON, VA 20186**



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The TTF has a number of high-level goals, including:

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- Improving traffic flow and reducing congestion
- Promoting safe and sustainable transportation options
- Educating the public about traffic safety





TOWN OF WARRENTON TRAFFIC TASK FORCE



What are the causes of traffic problems in our community?

Distracted driving is a major cause of traffic problems in our community. When drivers are distracted by their phones, food, or other activities, they are less likely to be aware of their surroundings and react quickly to changes in traffic. This can lead to accidents, congestion, and other problems.

Driver behavior also plays a role in traffic problems. Aggressive driving, speeding, and tailgating can all lead to accidents and congestion. Additionally, drivers who fail to yield to pedestrians or other vehicles can also contribute to traffic problems.

Speeding is another major cause of traffic problems. When drivers speed, they are more likely to lose control of their vehicles and cause accidents. Additionally, speeding can lead to congestion, as it makes it difficult for other drivers to merge and change lanes.

Cut-through traffic is a problem in many communities. When drivers cut through residential neighborhoods to avoid traffic, they can create a number of problems, including:

- **Increased congestion:** Cut-through traffic can add to the volume of traffic on residential streets, which can lead to congestion and delays for residents.
- **Safety concerns:** Cut-through traffic can pose a safety hazard to pedestrians, cyclists, and children playing in residential areas.

How can I help with traffic issues in my neighborhood?

Educating yourself and others about traffic safety and congestion:

The more people who are aware of the causes and impacts of traffic problems, the better equipped you will be to help address them. You can educate yourself and others by attending community meetings, reading articles and blog posts, and sharing information on social media.

Advocating for traffic safety and congestion solutions:

You can advocate for traffic safety and congestion solutions by contacting the traffic task force, attending public meetings, and participating in community planning processes.

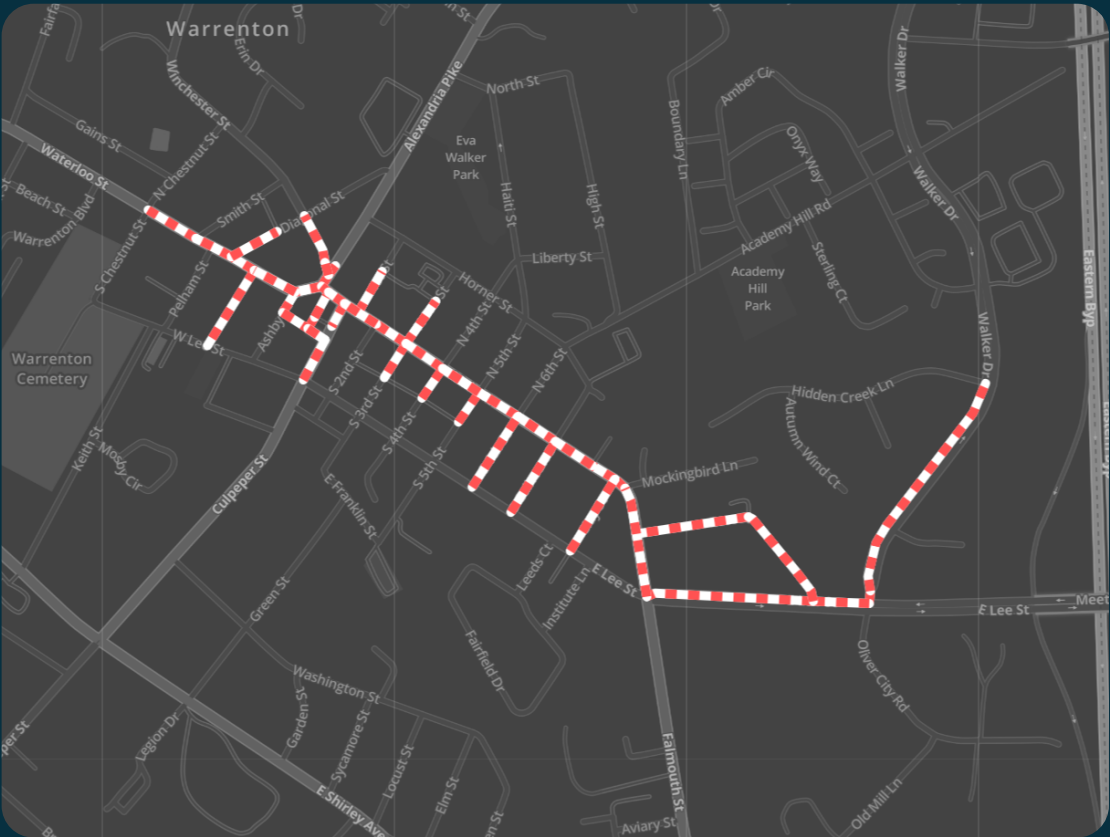
Making sustainable transportation choices:

You can help to reduce traffic congestion by making sustainable transportation choices whenever possible. This means walking, biking, taking public transportation, or carpooling or vanpooling whenever possible. It also means avoiding peak travel times, if possible.

Reporting traffic problems and concerns:

If you see a traffic problem or concern, please report it to us. This will help to identify and address the problem.

Warrenton Traffic Task Force ALERT



2023
WARRENTON CHRISTMAS
PARADE
12/01/2023

EXPECT HEAVY TRAFFIC &
DELAYS IN THE OLD
TOWN & SURROUNDING
AREAS

3:00 PM - 10:00 PM





**SLOW
DOWN &
BE SAFE!**



NEW SIGNS POSTED





**RADAR SIGNS
&
MESSAGE BOARDS
ARE ON THE MOVE!**



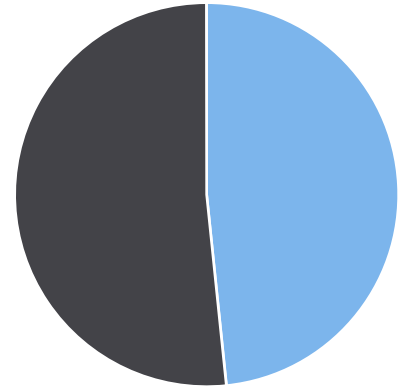
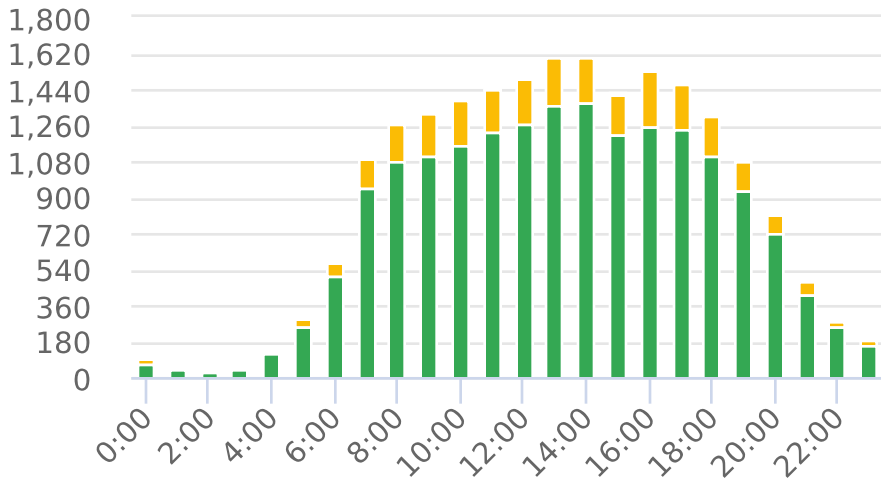
Start: 2023-10-21
 End: 2023-10-28
 Times: 0:00:00-23:59:59

Violation Threshold: Speed Limit + 10
 Speed Range: 1 to 150

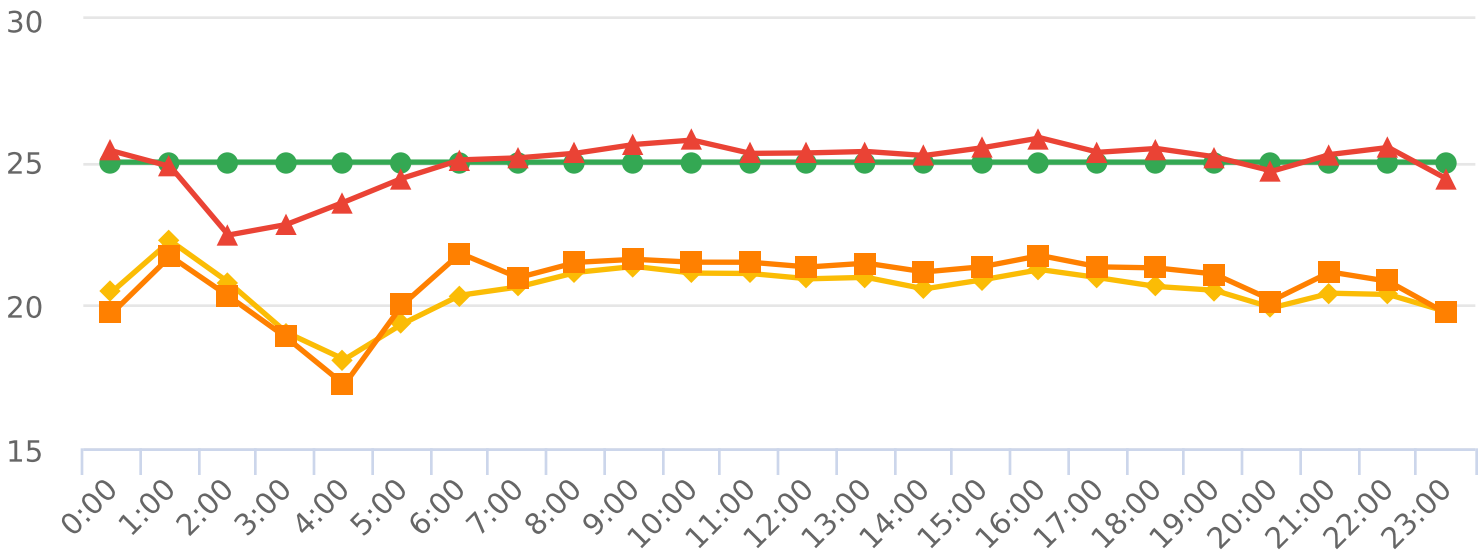
Overall Summary

Total Days of Data: 8
 Speed Limit: 25
 Average Speed: 20.81
 50th Percentile Speed: 21.26
 85th Percentile Speed: 25.34
 Pace Speed Range: 16-26

Minimum Speed: 10
 Maximum Speed: 47
 Display Mode: Dependent Messages
 Average Volume per Day: 2632.0
 Total Volume: 21056



● Violators ● Inside Threshold ● Compliant ● Vehicles Slowed
 ● Other



● Speed Limit ● Average Speed ● 50% Speed ● 85% Speed



Extended Speed Summary

Lower Waterloo, EB

Start: 2023-10-21

End: 2023-10-28

Times: 0:00:00-23:59:59

Violation Threshold: Speed Limit + 10

Speed Range: 1 to 150

Time	Sign Mode	Speed Limit	Total # Vehicles	Total # Violator	% Violator	Avg # Vehicles	Avg # Violators	Min Speed	Max Speed	Avg Speed	50% Speed	85% Speed	Sign Effectiveness
0:00	Dependent Messages	25	90	0	0.0%	11.3	0.0	10	35	20.5	19.7	25.4	46.5%
1:00	Dependent Messages	25	52	0	0.0%	6.5	0.0	10	35	22.3	21.7	24.8	40.5%
2:00	Dependent Messages	25	31	0	0.0%	3.9	0.0	11	31	20.8	20.3	22.5	58.0%
3:00	Dependent Messages	25	39	0	0.0%	4.9	0.0	10	30	19.1	18.9	22.8	41.1%
4:00	Dependent Messages	25	135	1	0.7%	16.9	0.1	10	36	18.1	17.2	23.6	38.4%
5:00	Dependent Messages	25	291	0	0.0%	36.4	0.0	10	33	19.3	20.0	24.4	57.3%
6:00	Dependent Messages	25	577	2	0.3%	72.1	0.3	10	42	20.3	21.8	25.1	49.9%
7:00	Dependent Messages	25	1100	1	0.1%	137.5	0.1	10	36	20.6	21.0	25.1	54.7%
8:00	Dependent Messages	25	1270	0	0.0%	158.8	0.0	10	35	21.1	21.5	25.3	55.3%
9:00	Dependent Messages	25	1323	4	0.3%	165.4	0.5	10	37	21.4	21.6	25.6	54.8%
10:00	Dependent Messages	25	1394	3	0.2%	174.3	0.4	10	38	21.1	21.5	25.8	48.0%
11:00	Dependent Messages	25	1449	3	0.2%	181.1	0.4	10	37	21.1	21.5	25.3	45.6%
12:00	Dependent Messages	25	1492	3	0.2%	186.5	0.4	10	38	20.9	21.3	25.3	44.6%
13:00	Dependent Messages	25	1600	4	0.3%	200.0	0.5	10	37	21.0	21.5	25.4	46.9%
14:00	Dependent Messages	25	1606	1	0.1%	200.8	0.1	10	36	20.6	21.2	25.2	46.1%
15:00	Dependent Messages	25	1424	4	0.3%	178.0	0.5	10	40	20.9	21.3	25.5	48.4%
16:00	Dependent Messages	25	1538	5	0.3%	192.3	0.6	10	38	21.2	21.7	25.8	45.0%
17:00	Dependent Messages	25	1475	5	0.3%	184.4	0.6	10	40	21.0	21.3	25.3	46.3%
18:00	Dependent Messages	25	1313	6	0.5%	164.1	0.8	10	43	20.7	21.3	25.5	47.1%
19:00	Dependent Messages	25	1086	7	0.6%	135.8	0.9	10	47	20.5	21.1	25.2	47.9%
20:00	Dependent Messages	25	817	4	0.5%	102.1	0.5	10	39	19.9	20.2	24.7	47.9%
21:00	Dependent Messages	25	486	1	0.2%	60.8	0.1	10	37	20.4	21.2	25.3	50.4%
22:00	Dependent Messages	25	285	3	1.1%	35.6	0.4	10	43	20.4	20.8	25.5	53.2%
23:00	Dependent Messages	25	183	1	0.5%	22.9	0.1	10	40	19.8	19.7	24.4	42.6%
Total Volumes/ Avg			21056	58	0.3%	2632.0	7.3	10	47	20.5	20.8	25.0	48.2%
Total/Avg w/o Feedback			0	0	0	0.0	0.0	n/a	n/a	n/a	n/a	n/a	n/a
Total/Avg w/ Feedback			21056	58	0.3%	2632.0	7.3	10	47	20.5	20.8	25.0	48.2%



Start: 2023-10-21
End: 2023-10-28
Times: 0:00:00-23:59:59

Compliance & Risk Report

Lower Waterloo, EB

Medium Risk Threshold: Speed Limit + 10
High Risk Threshold: Speed Limit + 15
Speed Range: 1 to 150
Time View: By Hour (Total Volumes)

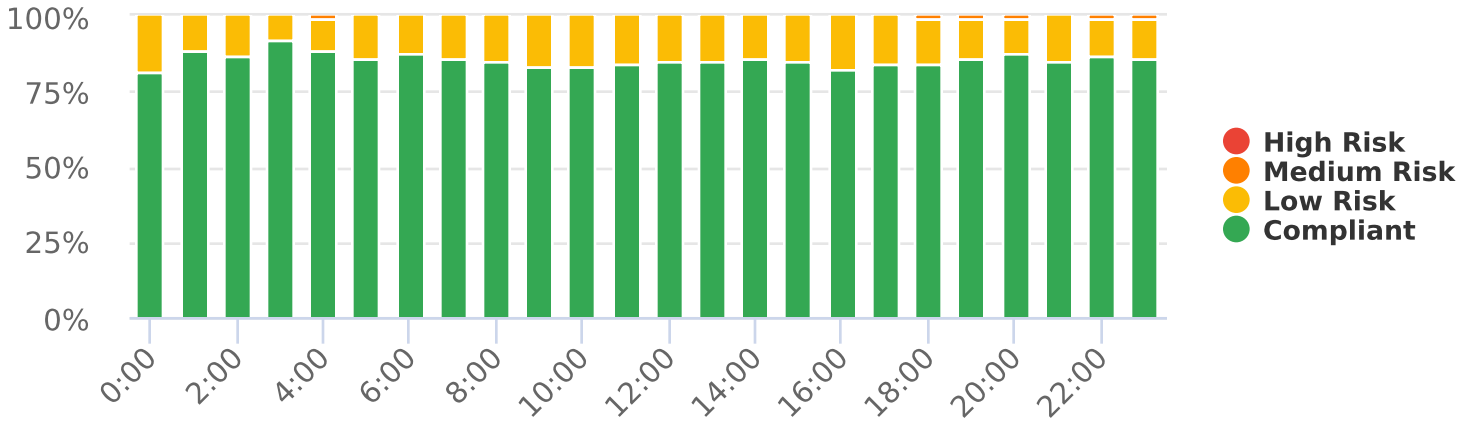
Time	Speed Limit	Mode	Compliant	Low Risk	Medium Risk	High Risk	Total Num Vehicles
0:00	25	Dependent Messages	73	17	0	0	90
1:00	25	Dependent Messages	46	6	0	0	52
2:00	25	Dependent Messages	27	4	0	0	31
3:00	25	Dependent Messages	36	3	0	0	39
4:00	25	Dependent Messages	119	15	1	0	135
5:00	25	Dependent Messages	250	41	0	0	291
6:00	25	Dependent Messages	505	70	1	1	577
7:00	25	Dependent Messages	942	157	1	0	1100
8:00	25	Dependent Messages	1079	191	0	0	1270
9:00	25	Dependent Messages	1106	213	4	0	1323
10:00	25	Dependent Messages	1155	236	3	0	1394
11:00	25	Dependent Messages	1222	224	3	0	1449
12:00	25	Dependent Messages	1262	227	3	0	1492
13:00	25	Dependent Messages	1365	231	4	0	1600
14:00	25	Dependent Messages	1380	225	1	0	1606
15:00	25	Dependent Messages	1213	207	4	0	1424
16:00	25	Dependent Messages	1259	274	5	0	1538
17:00	25	Dependent Messages	1236	234	5	0	1475
18:00	25	Dependent Messages	1108	199	5	1	1313
19:00	25	Dependent Messages	930	149	4	3	1086
20:00	25	Dependent Messages	718	95	4	0	817
21:00	25	Dependent Messages	413	72	1	0	486
22:00	25	Dependent Messages	247	35	2	1	285
23:00	25	Dependent Messages	157	25	1	0	183
Total			17848	3150	52	6	21056



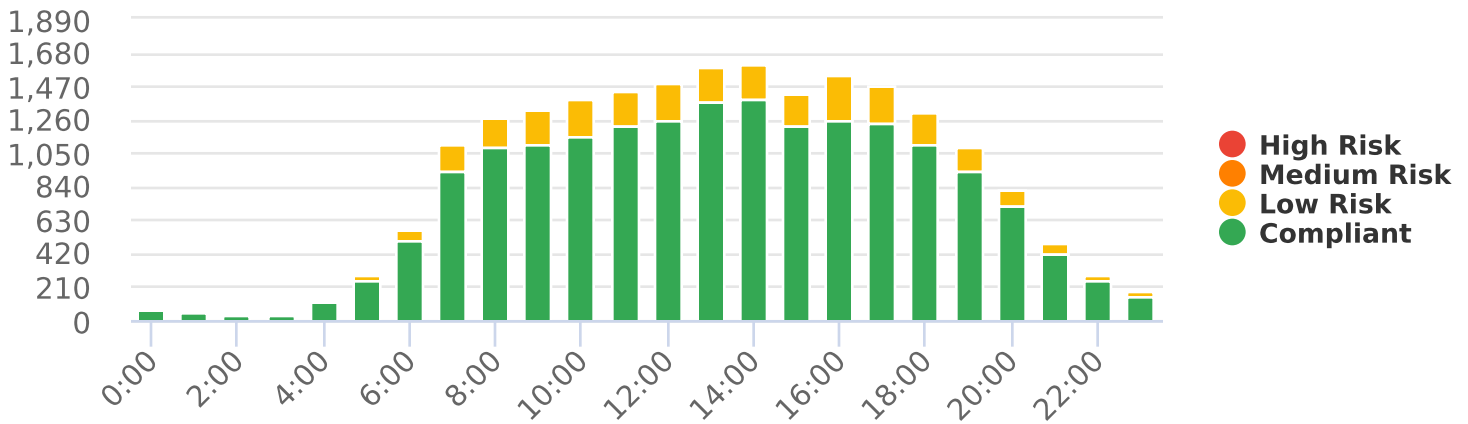
Start: 2023-10-21
 End: 2023-10-28
 Times: 0:00:00-23:59:59

Medium Risk Threshold: Speed Limit + 10
 High Risk Threshold: Speed Limit + 15
 Speed Range: 1 to 150
 Time View: By Hour (Total Volumes)

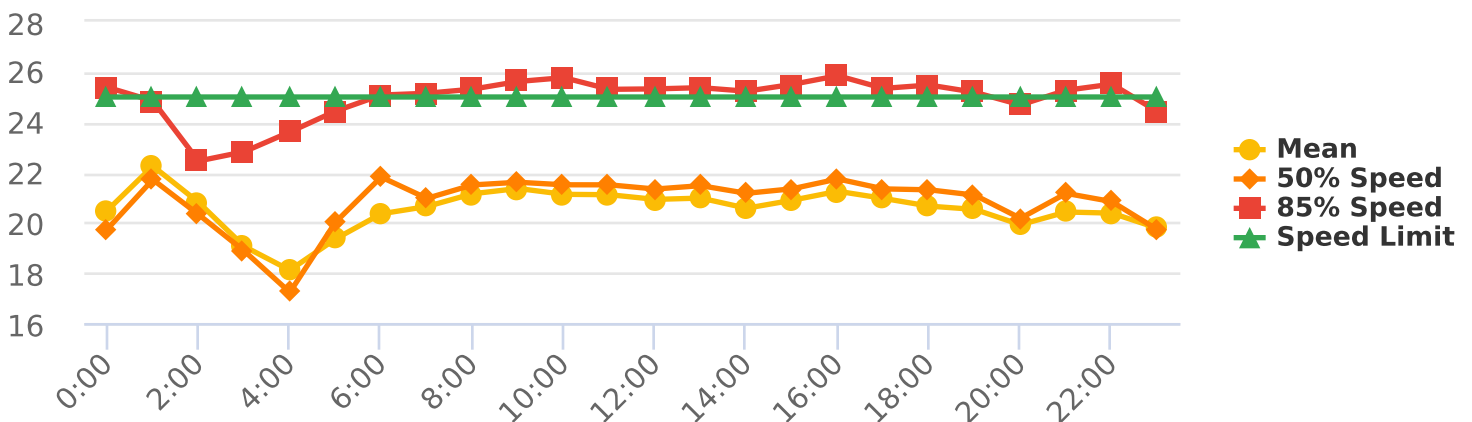
Compliance % by Hour (Totals)



Compliance by Hour (Totals)



Speeds





Start: 2023-10-23

End: 2023-10-30

Times: 0:00:00-23:59:59

Speed Bins: Size 5, Range 1 to 150

Time View: By Hour (Total Volumes)

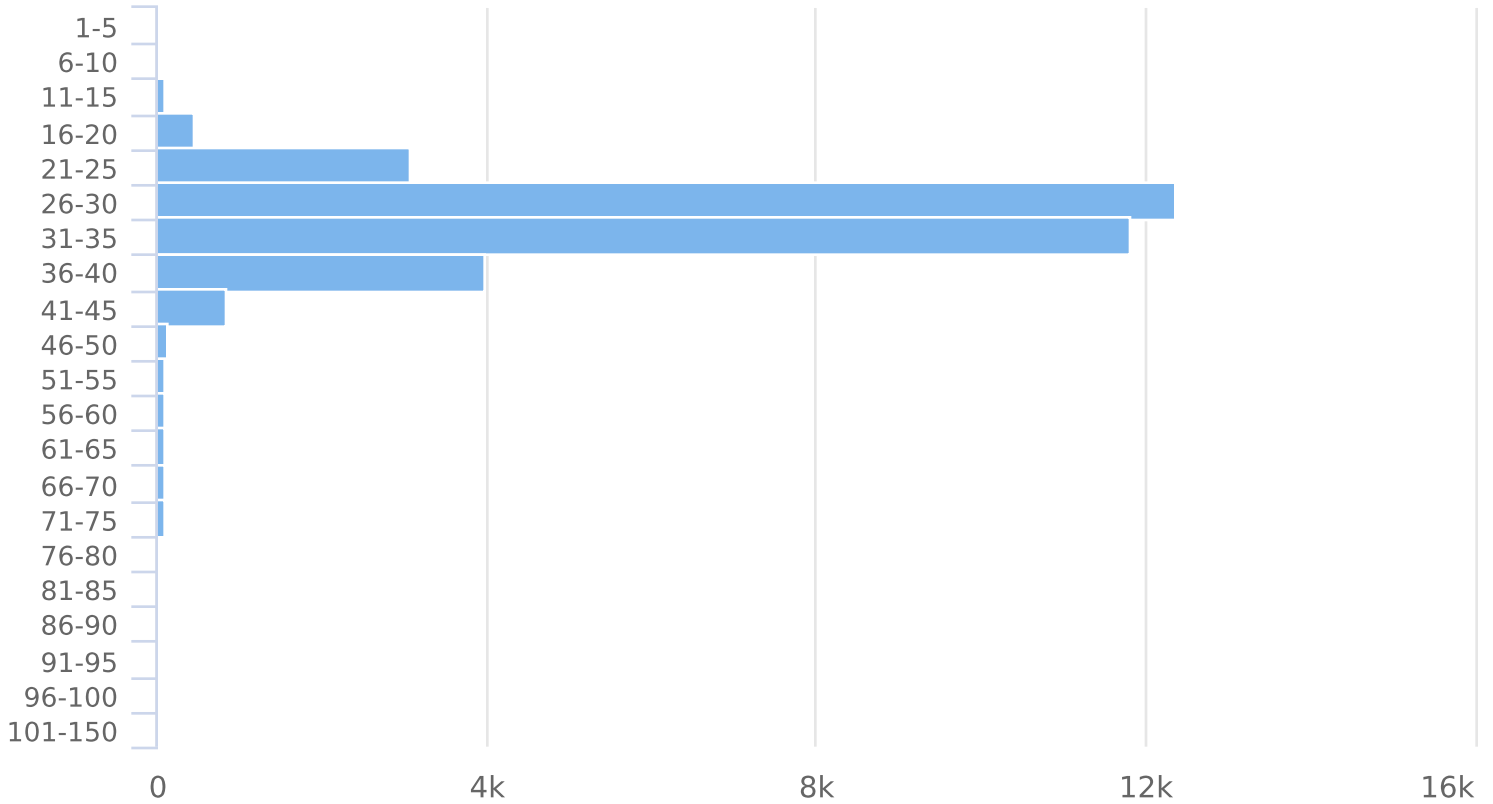
Time	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30	31 to 35	36 to 40	41 to 45	46 to 50	51 to 55	56 to 60	61 to 65	66 to 70	71 to 75	76 to 80	81 to 85	86 to 90	91 to 95	96 to 100	101 to 150	Avg Speed	Total
0:00	0	0	0	0	14	189	215	70	21	2	0	0	0	0	0	0	0	0	0	0	0	31.9	511
1:00	0	0	2	9	67	371	345	84	23	5	1	0	0	0	0	0	0	0	0	0	0	30.8	907
2:00	0	0	3	31	219	632	557	179	42	3	1	1	0	0	0	0	0	0	0	0	0	30.3	1668
3:00	0	0	2	27	175	700	713	245	53	6	1	0	0	0	0	0	0	0	0	0	0	31.0	1922
4:00	0	0	5	16	130	702	687	224	45	4	1	2	0	0	0	0	0	0	0	0	0	31.1	1816
5:00	0	0	2	23	195	817	687	250	39	3	2	0	0	0	1	0	0	0	0	0	0	30.7	2019
6:00	0	0	4	29	237	858	873	261	56	5	2	1	1	0	0	0	0	0	0	0	0	30.8	2327
7:00	0	0	22	84	270	912	851	264	51	5	2	0	0	0	0	0	0	0	0	0	0	30.1	2461
8:00	0	0	21	61	194	809	855	249	64	7	1	0	0	0	0	0	0	0	0	0	0	30.7	2261
9:00	0	0	5	33	272	1012	991	358	57	12	2	1	0	0	0	0	0	0	0	0	0	30.9	2743
10:00	0	0	5	27	220	1033	1018	363	73	12	1	1	0	0	0	0	0	0	0	0	0	31.1	2753
11:00	0	0	8	34	246	1072	1076	353	77	10	1	1	0	0	0	0	0	0	0	0	0	30.9	2878
12:00	0	0	1	29	213	897	964	349	60	17	0	1	0	1	0	0	0	0	0	0	0	31.2	2532
13:00	0	0	1	16	201	820	667	230	47	7	2	0	0	0	0	0	0	0	0	0	0	30.7	1991
14:00	0	0	0	4	147	557	467	146	43	4	1	0	0	0	0	0	0	0	0	0	0	30.8	1369
15:00	0	0	1	4	94	386	297	117	33	7	0	0	0	0	0	0	0	0	0	0	0	30.9	939
16:00	0	0	0	4	64	237	181	84	26	3	0	0	0	0	0	0	0	0	0	0	0	31.1	599
17:00	0	0	1	3	41	134	144	62	19	2	0	0	0	0	0	0	0	0	0	0	0	31.4	406
18:00	0	0	0	0	22	84	63	23	10	4	0	0	0	0	0	0	0	0	0	0	0	31.4	206
19:00	0	0	0	0	10	34	33	16	5	0	2	0	0	0	0	0	0	0	0	0	0	31.9	100
20:00	0	0	0	1	9	22	24	4	3	0	2	0	0	0	0	0	0	0	0	0	0	31.0	65
21:00	0	0	0	1	4	18	16	6	2	0	0	0	0	0	0	0	0	0	0	0	0	31.0	47
22:00	0	0	0	1	3	14	20	4	1	0	0	0	0	0	0	0	0	0	0	0	0	31.0	43
23:00	0	0	0	3	19	51	72	29	2	0	0	0	0	0	0	0	0	0	0	0	0	31.0	176
Total	0	0	83	440	3066	12361	11816	3970	852	118	22	8	1	1	1	0	0	0	0	0	0	30.8	32739



Start: 2023-10-23
End: 2023-10-30
Times: 0:00:00-23:59:59

Speed Bins: Size 5, Range 1 to 150
Time View: By Hour (Total Volumes)

Total Volume by Speed Distribution



Volume over Time

