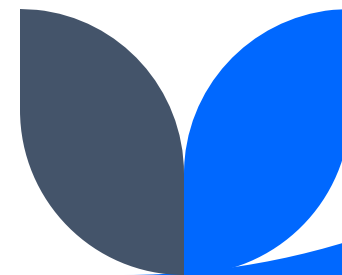


Weigh In Motion systems in southern Maine



Agenda

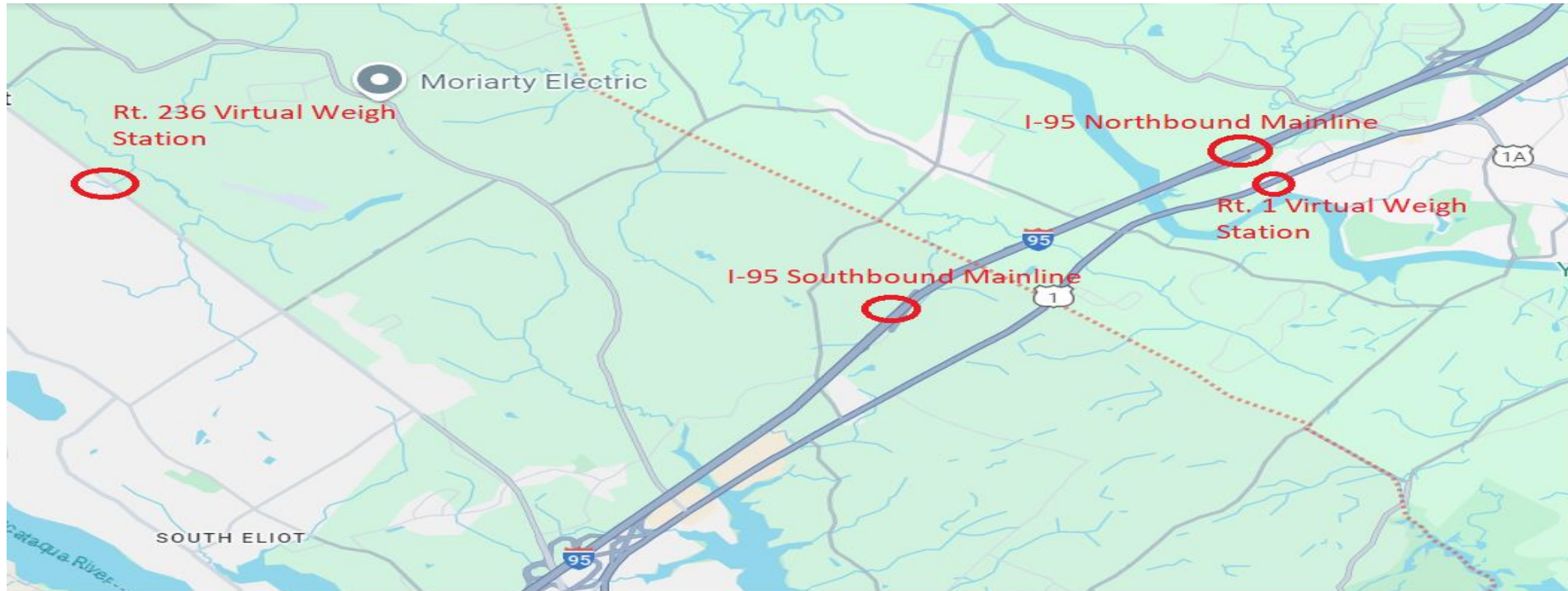
1. Introduction
2. Maine System Locations
 - Vehicle counting
 - Information sharing – MDOT
 - Future infrastructure planning and protection
3. WIMS for enforcement in Maine
4. Success stories
5. Future expansion of WIM systems in Maine
6. Questions



Maine System Locations



Southern Maine System Locations



I-95 York – Mainline Scale Building

- I-95 in York is a Maine DOT owned, and Maine State Police operated facility
- Equipment currently deployed at this facility include:
 - WIMs
 - Flat Tire sensors
 - DOT and plate number readers
 - Placard reader
 - Thermal imaging
 - Over height detection
 - Static Scales
 - Portable PBBT

I-95 South – Mainline Scale Building

- I-95 in Kittery is a Maine DOT owned, and Maine State Police operated facility
- Equipment currently deployed at this facility include:
 - WIMs
 - Flat Tire sensors
 - DOT and plate number readers
 - Placard reader
 - Thermal imaging
 - Over height detection
 - Static Scales
 - Portable PBBT

Rt. 1 – Virtual Weigh Station

- Rt. 1 in York, Maine is a virtual weigh station.
- Equipment currently deployed at this facility include:
 - WIMs
 - DOT and plate number readers

Rt. 236 – Virtual Weigh Station

- Rt. 236 in Eliot, Maine is a virtual weigh station.
- Equipment currently deployed at this facility include:
 - WIMs
 - DOT and plate number readers

System Partners & Maintenance



- Maine has contracted with Drivewyze SRIS and their Smart Roadside platform for a number of years. Drivewyze continues to maintain the equipment at these sites under a maintenance agreement.
- Maine has a Trooper assigned to ensure these sites are functioning as designed. This Trooper is tasked with contacting our Drivewyze partners when any type of issue is detected.

• Maine is currently in talks with PrePass Safety Alliance to bring them into the state with an ultimate

Goal of high speed WIM's being installed and used in a partnership with Maine State Police, Maine Turnpike Authority, Maine DOT, Drivewyze, and PrePass.

Drivewyze™ SRIS
Powered by Smart Roadside™

PrePass
SAFETY ALLIANCE




MaineDOT

Vehicle Counting and data collection

With these systems in place Maine is able to quickly and accurately tally the number of trucks passing through both the mainline and the virtual weigh stations.

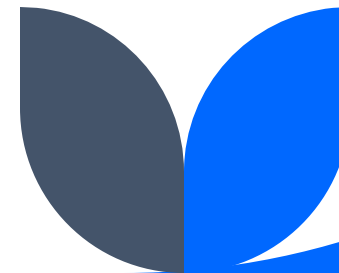
We provide this data to Maine DOT on a regular basis for their reporting to FHWA.

We find when the mainline weigh station is open CMV traffic along Rt. 1 and Rt. 236 increase significantly. (More on Rt. 1)



System capabilities and uses

From a WIM standpoint, we utilize our systems to both enforce State of Maine weight laws, but also to work with Maine DOT to enforce permitting laws for oversize loads. Maine DOT's bridge engineers and traffic division utilize the collected data for future law changes, rule making, or general permitting.



Mainline and Bypass systems working together

A Trooper may choose to sit on either Rt. 1 or Rt. 236 and monitor the virtual stations from his or her computer.

A Trooper sitting in the main scale building may also watch the bypass system. When the weigh station opens, trucks are alerted via information sharing apps. Some drivers choose to try to avoid the scales by travelling around the scales onto Rt. 1 or Rt. 236.



The Troopers View


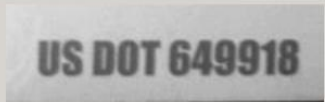



The Troopers View

Drivewyze™ SRIS Vehicle Queue
Powered by Smart Roadside™ Logged in as rt1nb at ME #1 NB

ME 1 NB Change lanes... All vehicles Time zone Vehicle class Vehicle length

Messages at 11:38:41

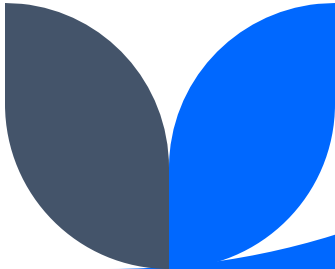
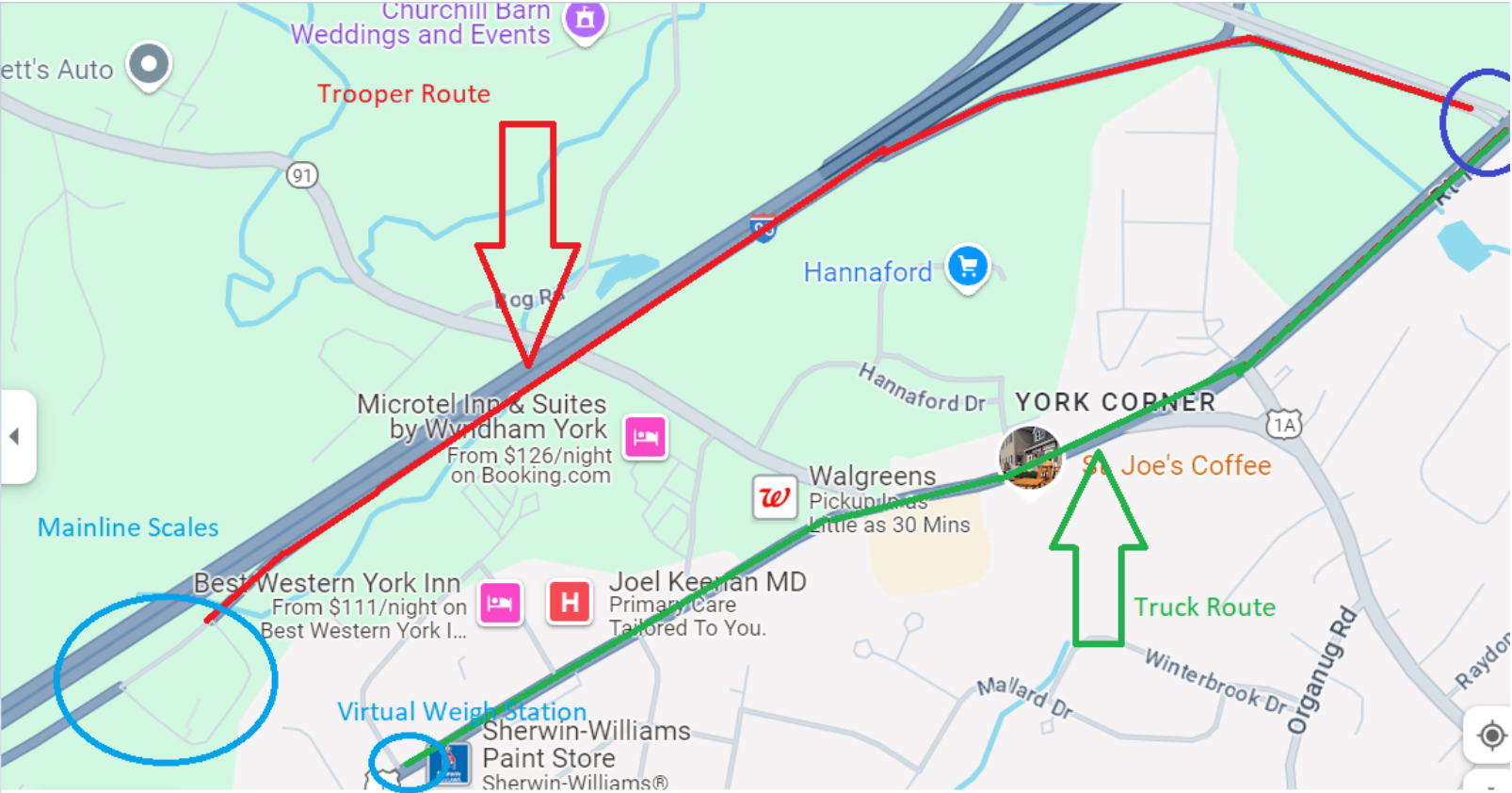
Overview	Vehicle	Plate	USDOT #	WiM
	Site ME #1 NB Time 2024-10-08 11:37:46 EST	LP No Plate Detected	 USDOT <input type="button" value="649918"/> Carrier NEW HAMPSHIRE DISTRIBUTORS LLC ISS 28	GVW 30060 lb Axles 3 Class 6 Steer 9400 lb Drive 20660 lb 

Vehicle Queue
Reports
Search

Night Mode nb scale



How the Trooper catches the violator



Success stories – September 2023

Inspection Date: 09/12/2023
Start: 11:30 AM ET **End:** 12:00 PM ET
Inspection Level: II - Walk-Around
HM Inspection Type: None

VIOLATIONS

<u>Section</u>	<u>Type</u>	<u>Unit</u>	<u>OOS</u>	<u>Citation #</u>	<u>VerifyCrash</u>	<u>Violations Discovered</u>
392.2-SLLEWG3	F	1	N		N N	State/Local Laws - Excessive weight - More than 5000 lbs over on allowable gross weight.: Title 29A Sec. 2360. Excessive Veh. Wt. 41% over gross Wt. Scale Wt. is 76,300 Lbs. Road limit is 54,000 after over commodity.
392.2-SLLEWA3	F	1	N	5117589	N N	State/Local Laws - Excessive weight - More than 5000 lbs over on an axle/axle groups.: Title 29A Sec. 2360. Excessive Veh. Wt. 57% over on rear tandem axle. Scale Wt. is 60,000 Lbs.



Maine eCourts

Fine - \$6277



Success stories – September 2024

Inspection Date: 09/09/2024
Start: 11:50 AM ET **End:** 12:50 PM ET
Inspection Level: II - Walk-Around
HM Inspection Type: None

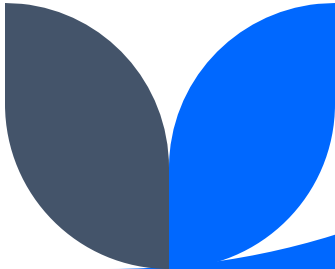
VIOLATIONS

Section	Type	Unit	OOS	Citation #	Verify	Crash	Violations Discovered
392.2-SLLEWG3	F	1	N		N	N	State/Local Laws - Excessive weight - More than 5000 lbs over on allowable gross weight.: Title 29A Sec. 2354. Op. 6 axle Veh. over 100,000 Lbs. gross Wt. 51% over gross Wt. Scale Wt. is 151,380 Lbs.
392.2-SLLEWA3	F	1	N	5214443	N	N	State/Local Laws - Excessive weight - More than 5000 lbs over on an axle/axle groups.: Title 29A Sec. 2360. Excessive Veh. Wt. 84% over on R. tri-axle. Scale Wt. is 88,600 Lbs.



Maine eCourts

Fine - \$12,109



Success stories – August 2021

Inspection Date: 08/19/2021

Start: 11:33 AM ET **End:** 1:09 PM ET

Inspection Level: III - Driver/Credential

HM Inspection Type: None

VIOLATIONS

<u>Section</u>	<u>Type</u>	<u>Unit</u>	<u>OOS</u>	<u>Citation #</u>	<u>Verify</u>	<u>Crash</u>	<u>Violations Discovered</u>
392.2-SLLEWG3	F	1	N	5058673	N	N	State/Local Laws - Excessive weight - More than 5000 lbs over on allowable gross weight.: 5 or more axle vehicle (OP in violation of overlimit permit) allowed 80,000lbs. Actual weight 217,040lbs-80,000lbs = 137,040/80,000lbs = 171% overweight - \$30,901
392.2DIM	F	1	N		N	N	Dimension Violation (Width / Height / Length): Operating in violation of overlimit permit



Maine eCourts

Fine - \$30,901



Success stories – Fall 2020

Rt. 236 in Eliot was brought online. Upon completion of the installation \$9,600 was utilized for initial deployment and familiarization of the system for Troopers in the area. The \$9600 was used for special enforcement details and upon completion of the details a total of approximately \$40,000 in fines were written.

This stat, and these WIM systems are not about the fine amounts however it shows how productive these systems can be.



Expansion Throughout Maine

I-95 Southbound Mile 198 Old Town, ME

- Installed and brought online 2023/2024 WIM, flat tire sensors, DOT & license plate readers

I-95 Northbound Mile 147 Pittsfield, ME

- Currently under construction plans to be brought online 2025.





Thank you

Sgt. Christopher Rogers

Maine State Police – Troop K

207-624-8947

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