MARYLAND STATE HIGHWAY

COG WINTER WEATHER MEETING

OCTOBER 30, 2025



ASSETS

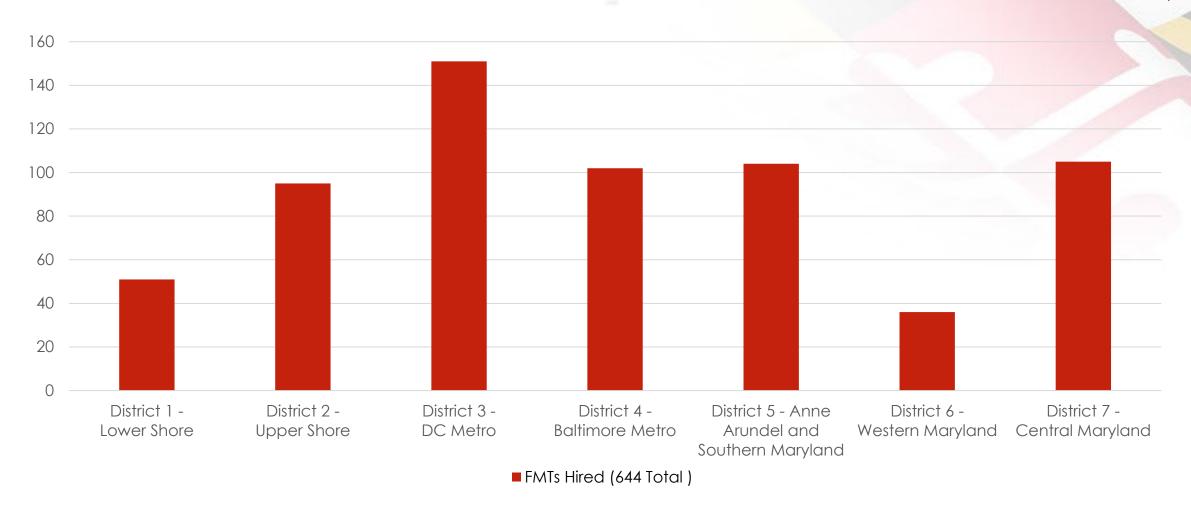
- 28 Maintenance Shops in 7 Districts
- 17,417 Lane Miles
- 5,212 Centerline Miles
- 37.1 Billion Annual Vehicle Miles of Travel
- Annual Average Daily Traffic
 - 50,000+: 3,048 Lane Miles (17%)
 - 10,000-49,999: 7,484 Lane Miles (43%)
 - <9,999: 6,885 Lane Miles (40%)

RESOURCES

- ~1,100 Maintenance Shop Employees
 - ~760 Field Employees (69 new since last November)
 - ~110 Managers
 - ~190 Administrative Staff and Mechanics
 - ~30 Winter Volunteers
- ~600 MDOT SHA Dump Trucks
- ~2,100 Pieces of Hired Equipment
- ~\$69 Million Winter Budget
 - ~\$113 million in expenditures this past season
- ~390,000 tons Rock Salt
- ~1.5 million gallons Salt Brine Storage



NEW OPERATORS SINCE 11/1/2020





SNOW FIGHTING MATERIALS

Rock Salt

- 87 salt storage facilities across the state
- ~390,000 tons of salt available
- Used as a deicer during active frozen precipitation
- Most used chemical for snow fighting
- Effective on pavement temperatures of 20° F

Salt Brine

- 15 brine making facilities across the state
- 176 storage tanks across the state
- ~1.5 million gallons of salt brine storage
- Used for anti-icing prior to winter events
- Used as a deicer during active winter precipitation and on hard pack
- Effective on pavement temperatures of -6° F

Liquid Magnesium Chloride

- 16 sites across the state
- ~100,000 gallons
- Effective on pavement temperatures of -26° F

SNOW FIGHTING EQUIPMENT

SALT BRINE APPLICATOR TRUCK



- 23 units across the state
- 1,800 to 2,600 gallons of brine application capacity

DUMP TRUCK WITH BUTTERFLY AND WING PLOW



- 317 units across the state
- 14 feet of clearing width for interstates and wide roadway sections

DUMP TRUCK WITH DUAL WING PLOW





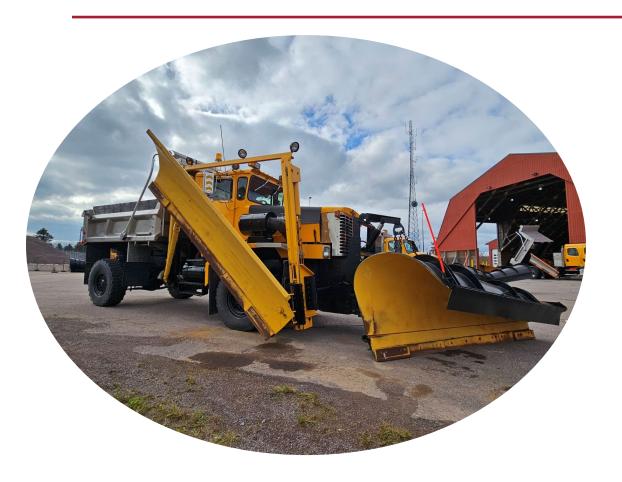
- 4 units in Garrett, Allegany, Frederick, and Montgomery Counties
- 18 feet of clearing width for interstates and wide roadway sections

TOW PLOW



- 3 units in Total
- 22 feet of clearing width for interstates

OSH KOSH



- 7 units in Frederick, Washington, Allegany, and Garrett Counties available for deployment statewide
- Allows us to operate in extreme conditions due to four-wheel drive



SNOW BLOWER







 3,500 tons of snow removal capacity per hour



MARYLAND DEPARTMENT OF TRANSPORTATION

LOADER-MOUNTED BLOWER



- 4 units in Montgomery, Frederick, Allegany, and Garrett Counties available for deployment statewide
- 2,000 tons of snow removal capacity per hour

GREEN LIGHTS



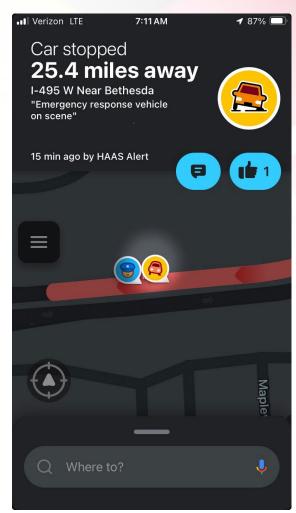
- House Bill 1150 passed October 2022 allowing the use of green lights on
- Over 90% of SHA's snow fighting equipment has been outfitted





HAAS ALERTS

- ~250 units
 - CHART vehicles
 - Team Leader trucks
 - Protection vehicles
- Vehicle onsite
 - Work zone
 - Accident
 - Disabled vehicle





AVL

Winter

- Materials spread
- Route completion
 - Route decay
- MARWIS integration
- Loader scale data

Fleet Management

- "Check Engine Light"
- Fueling reports
- Usage reports
- Vehicle idling
- Accident reconstruction
- Pre/post-trip inspection?
- Vehicle emissions compliance?



ONLINE TRAVELER INFORMATION FOR 25 YEARS





Traffic Incidents and Events

View reported traffic incidents, weather road closures, active construction and maintenance closures information

SEE MORE



Local Weather Stations

View current weather data from CHART System Weather Stations

SEE MORE



Live Cameras

View the live traffic cameras from different locations around the state of Maryland

SEE MORE





Speed Sensor Data

View current traffic speeds from CHART system Speed Sensors.

SEE MORE



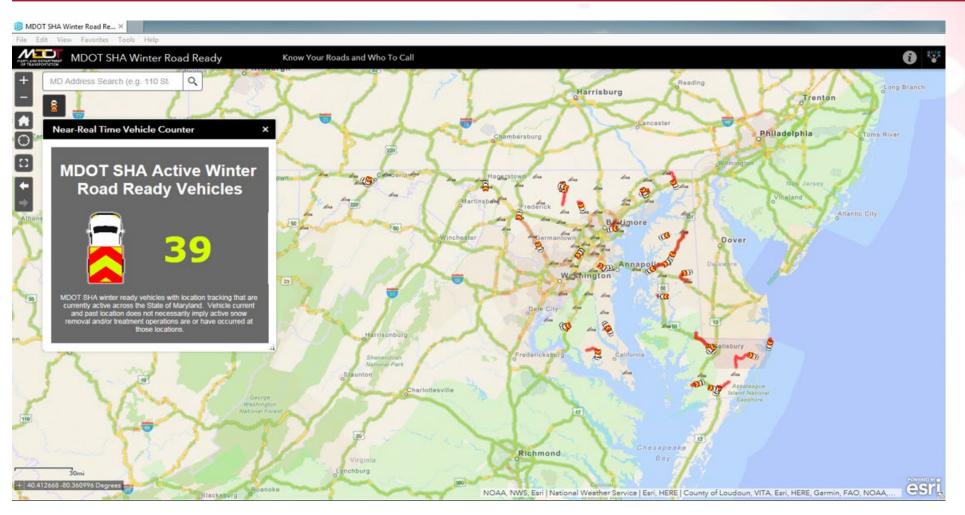
Highway Message Signs

View current highway advisory messages from CHART dynamic message signs.

SEE MORE



S.T.O.R.M. – PUBLIC



QUESTIONS?

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- Kola Fadairo, RME Gaithersburg
 - 301.948.2477
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