

Maryland Department of Transportation
State Highway Administration Office of Traffic & Safety
Motor Carrier Division

COMMERCIAL MOTOR VEHICLE SIZE/WEIGHT/SAFETY SCREENING & ENFORCEMENT

MANOJ PANSARE, JEROME ANTHONY

Hanover, Maryland

MARYLAND SIZE & WEIGHT LIMITS

Maximum Width = 102 inches

Maximum Height = 13 feet 6 inches

Maximum Vehicle Weights =

20,000 or 22,400 Single Axle

34,000 Tandem Axle Configuration

80,000 Gross on 5 Axle Tractor & Trailer Combination

MARYLAND SIZE & WEIGHT LIMITS

Maximum Legal Weight Across Any Group Of Consecutive Axles Is Determined By The Federal Bridge Formula 23 CFR Part 658 And Appendices As Adopted By The Maryland Transportation Article Law, Title 24

Surface Transportation Assistance Act of 1978 Allows USDOT To Withhold Federal Funds From States Not Enforcing The Federal Size & Weight Limits Indicated In 23 CFR

MARYLAND SIZE & WEIGHT LIMITS

Formula for determining gross overweight.

$$W = 500 \left(\frac{LN}{N-1} + 12N + 36 \right)$$

W= Overall Gross Weight on any group of 2 or more axles

L= Horizontal distance between 2 or more consecutive axles

N= Number of axles in the group under consideration

FEET	AXLE 2	AXLE 3	AXLE 4	AXLE 5	AXLE 6	AXLE 7	FEET	AXLE 2	AXLE 3	AXLE 4	AXLE 5	AXLE 6	AXLE 7
4	34000						29		57500	61500	66000	71500	77000
5	34000						30		58500	62000	66500	72000	77500
6	34000						31		59000	62500	67500	72500	78000
7	34000						32		60000	63500	68000	73000	78500
8	34000	34000					33			64000	68500	74000	79000
AND LESS							34			64500	69000	74500	80000
							35			65500	70000	75000	
MORE THAN							36			(66000)	70500	75500	
8	38000	42000					37			(66500)	71000	76000	
9	39000	42500					38			(67500)	72000	77000	
10	40000	43500					39			68000	72500	77500	
11	41000	44000					40			68500	73000	78000	
12	42000	45000	50000				41			69500	73500	78500	
13	43000	45500	50500				42			70000	74000	79000	
14	44000	46500	51500				43			70500	75000	80000	
15	45000	47000	52000				44			71500	75500		
16		48000	52500	58000			45			72000	76000		
17		48500	53500	58500			46			72500	76500		
18		49500	54000	59000			47			73500	77500		
19		50000	54500	60000			48			74000	78000		
20		51000	55500	60500	66000		49			74500	78500		
21		51500	56000	61000	66500		50			75500	79000		
22		52500	56500	61500	67000		51			76000	80000		
23		53000	57500	62500	68000		52			76500			
24		54000	58000	63000	68500	74000	53			77500			
25		54500	58500	63500	69000	74500	54			78000			
26		55500	59500	64000	69500	75000	55			78500			
27		56000	60000	65000	70000	75500	56			79500			
28		57000	60500	65500	71000	76500	57			80000			

Exception: For (2) consecutive sets of tandem axles having a distance of 36 to 38 feet, the weight allowed is 68000. (All measurements are to the nearest foot.)

VIOLATION DATE / TIME
5/24/2021 12:13

COMM. VEH.

LOCATION OF OFFENSE
S/B I-83 @ PARKTON SCALE HOUSE

COUNTY/CODE	AREA	ARREST TYPE	CVID
BALTIMORE COUNTY - 03	MD 67	B	

DID UNLAWFULLY VIOLATE MOTOR VEHICLE LAW(S):

CITATION NO.	ART/SEC/CHARGE	PAYABLE FINE AMOUNT
1. 7F80BKH	TA - 24-101(b)	PAYABLE FINE OF \$25643.0
DRIVING COMBINATION OF VEHS. ON HWY EXCEEDING MAX GROSS WEIGHT OF 80,000 LBS BY 77,000 LBS		
MARYLAND SIZE & WEIGHT FINES		

2. 7F90BKH	TA - 24-112(e1)	PAYABLE FINE OF \$1010
VIOLATING SHA PERMIT CONDITION THAT ALLOWS OVERSIZED VEHICLE ON HWY, EXCEEDED MAX PERMITTED WEIGHT		



MARYLAND OVERWEIGHT FINES

- (1) 1 cent for each pound for the first 1,000 pounds of weight over any allowable weight;
- (2) 5 cents for each pound of excess weight over 1,000 pounds but less than 5,001 pounds;
- (3) 12 cents for each additional pound of excess weight over 5,000 pounds but less than 10,001 pounds;
- (4) 20 cents for each additional pound of excess weight over 10,000 pounds but less than 20,001 pounds; and
- (5) 40 cents for each additional pound of excess weight over 20,000 pounds.

MARYLAND OVERWEIGHT FINES

The William Preston Lane, Jr. Memorial (Chesapeake Bay) Bridge, is subject to the following fines:

- (1) 1 cent for each pound for the first 1,000 pounds over any allowable weight;
- (2) 5 cents for each additional pound of excess weight over 1,000 pounds but less than 2,001 pounds;
- (3) 10 cents for each additional pound of excess weight over 2,000 pounds but less than 5,001 pounds;
- (4) 24 cents for each additional pound of excess weight over 5,000 pounds but less than 10,001 pounds;
- (5) 40 cents for each additional pound of excess weight over 10,000 pounds but less than 20,001 pounds; and
- (6) 80 cents for each additional pound of excess weight over 20,000 pounds.

MARYLAND OVERWEIGHT FINES

•Required removal -- **Overweight 5,000 pounds or less.** -- Except as otherwise provided in this section, as to any vehicle found to exceed the weight limits permitted under this subtitle, if the overweight does not exceed 5,000 pounds, **a police officer may require the driver to unload the excess weight.**

•Required removal -- **Overweight exceeding 5,000 pounds.** -- Except as otherwise provided in this section, as to any vehicle found to exceed the weight limits permitted under this subtitle, **if the overweight exceeds 5,000 pounds, the vehicle may not be moved until the excess weight is unloaded.**

MARYLAND OVERWEIGHT FINES

Operating on any highway in the State constitutes the consent of the driver and the owner of the vehicle to measurement and weighing.

The driver shall obey every sign, police officer, electronic signal to stop the vehicle and submit it to measurement or weighing.

Failing to obey allows a police officer to take the vehicle and its load into custody. A police officer can arrest a driver for failure or refusal to submit a vehicle to weighing or to remove excess weight after instructed to do so
(TA 26-202).

MARYLAND OVERWEIGHT FINES

Notwithstanding any other law, a court may not suspend or reduce a fine imposed for a conviction for a weight violation.

If an out-of-state vehicle is subject to a weight violation or an out-of-state person is responsible for or operating a vehicle subject to a weight violation:

The person is subject to a citation and further proceedings under Title 26 of this article; or

The vehicle shall be impounded until the fine is paid or acceptable collateral is posted.

Cargo contained in the vehicle may not be impounded.

If the fine has not been paid or acceptable collateral has not been posted within 90 days after the date of impoundment, the vehicle may be sold at public auction under the jurisdiction of the court to satisfy the fine, accrued interest, and costs.

RESTRICTED BRIDGE

SINGLE GVW

24,000 LBS

COMB GVW

44,000 LBS



Maryland Law Requires
Maryland State Police
to Maintain at Least 5
Fixed Weigh Facilities



A photograph of four Maryland State Police officers in uniform, standing in front of a UPS truck. The officers are smiling and looking towards the camera. The background shows a street scene with traffic lights and a building.

10 FIXED WEIGH AND INSPECTION SITES

18 VIRTUAL WEIGH SITE SCREENING LOCATIONS

150 COMMERCIAL VEHICLE ENFORCEMENT
PERSONNEL (SWORN & CIVILIAN) EMPLOYED BY
MARYLAND STATE POLICE

(APPROXIMATELY 100 ADDITIONAL ENFORCEMENT
PERSONNEL WITH ALLIED AND LOCAL AGENCIES)





FRONT
AXLE
↓

DRIVE
AXLE
↓







Virtual Weigh Station



Over Height Detector

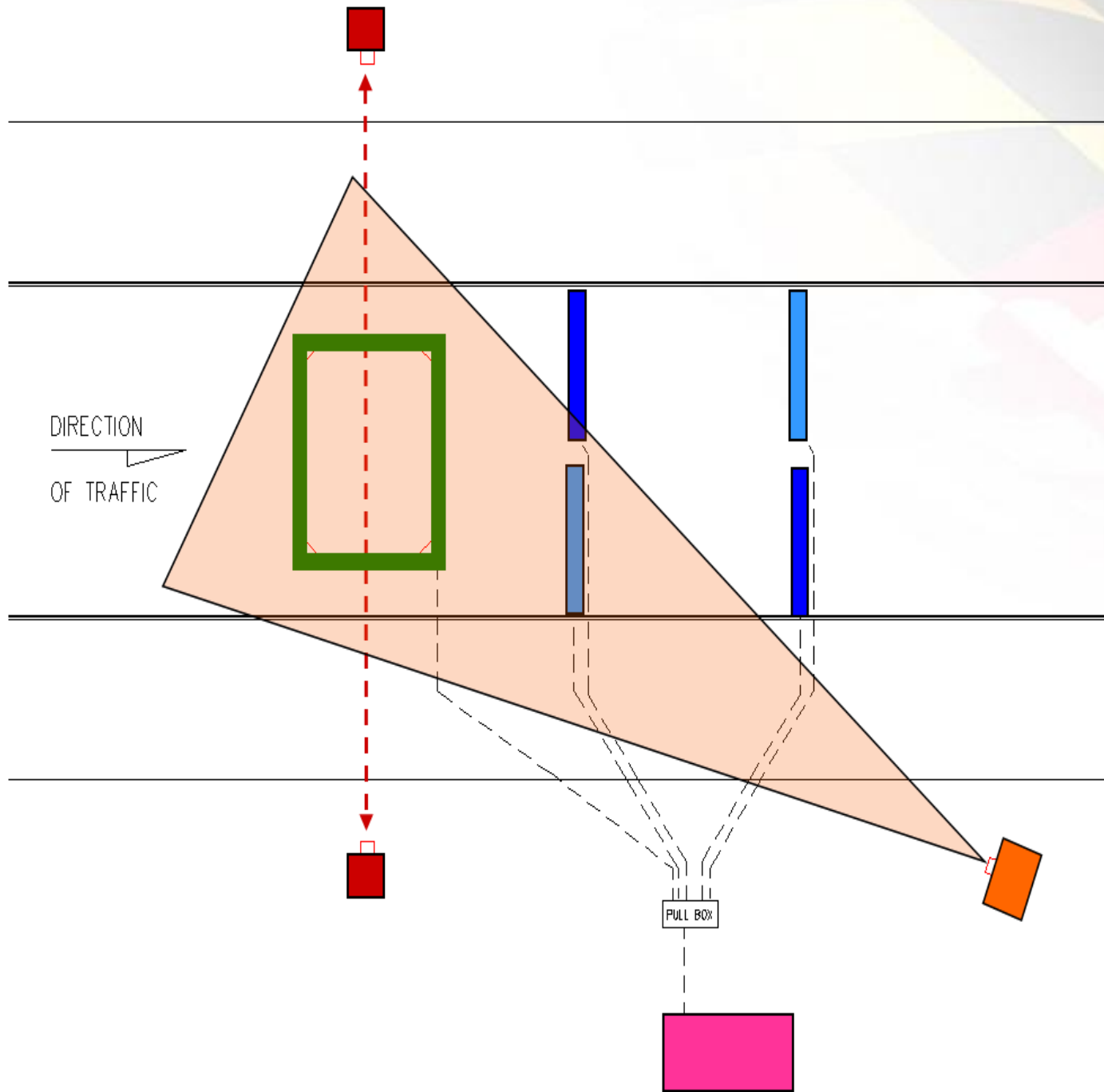
LOOP Detector

Sensor Pair 1

Sensor Pair 2

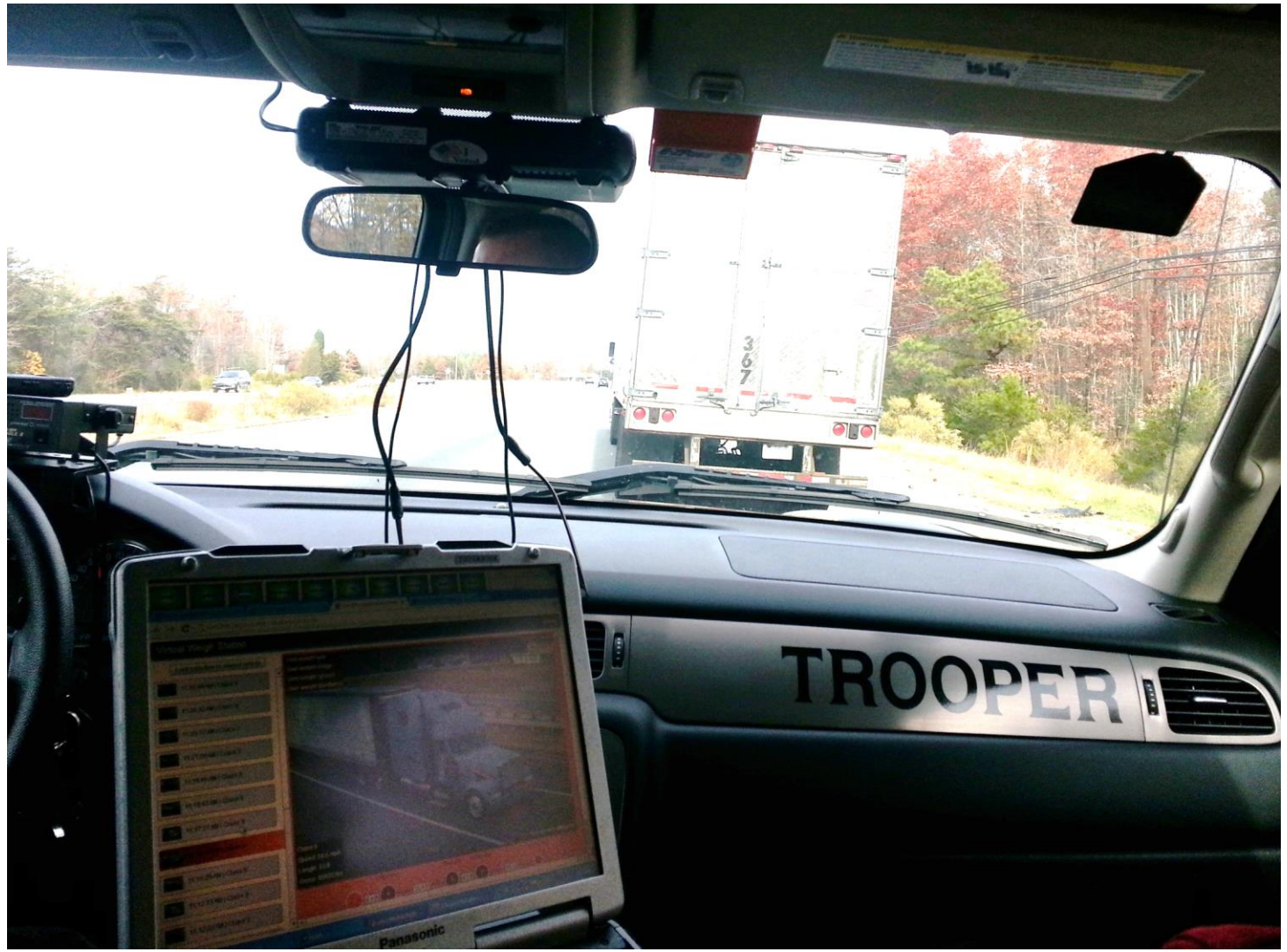
Camera

Cabinet















Vehicle ID: 20181227093828-11-951421
 Date: 12/27/2018 9:38:28 AM
 Location: US-50 E
 Lane: 1
 Weight: 38760 lbs
 Speed: 48 mph
 Length: 27.1 ft
 Class: 4
 Flags: Over weight axle **VIOLATION**

Spacing: 4.8 22.3
 Axes: ● ● ●
 Wt: 4.9 21.6 12.3

[Print this page](#)



Vehicle ID: 20130401062336-1-388885
 Date: 04/01/2013 6:23:36 AM
 Weight: 8550 lbs
 Speed: 39.7 mph
 Length: 34.9 ft
 Class: 3
 Flags: None

Spacing: 2.9 19 13
 Axes: ● ● ● ●
 Wt: 1.1 1.2 3.2 3.0

[Print this page](#)



ROVING ENFORCEMENT TEAMS DEPLOYED REGIONALLY















**ENFORCEMENT of STATE
ISSUED HAULING PERMITS**





**PERMIT VERIFICATION BY LAW
ENFORCEMENT PRIOR TO EXITING
THE PORT OF BALTIMORE**



**VIRTUAL WEIGH SCREENING
SITES LOCATED ON ACCESS
ROAD TO/FROM THE
PORT OF BALTIMORE**

Vehicle ID: 20210517150525-26-1002298

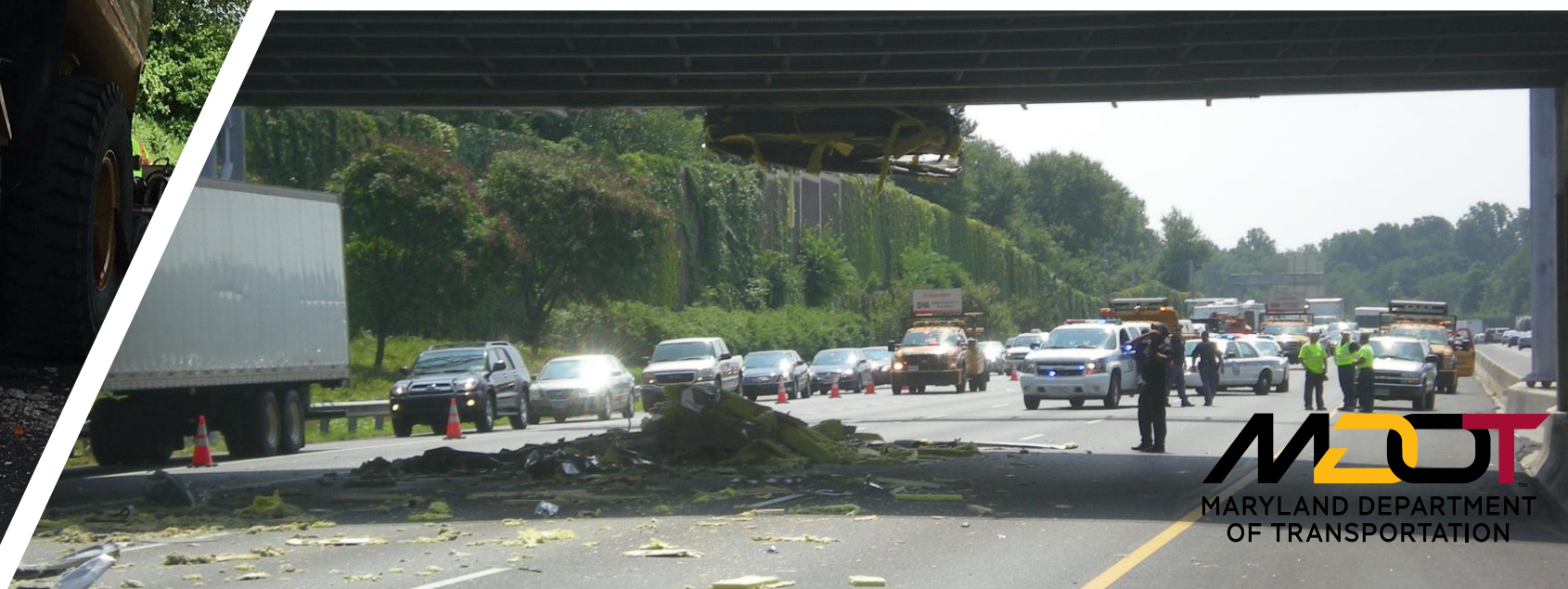
Date: 05/17/2021 3:05:25 PM

Location: MD-695 S Broening Hwy

WHERE DO WE GO FROM HERE?

- Redesign and rehab of older fixed weigh station facilities
- Deployment of scale, WIM, technology and facility upgrades
- Test deployment and high-speed certification (OIML standard) of Kistler digital WIM sensors and tire anomaly system – I-83 North, US50 West
- USDOT and/or LPR reader deployment at key VWS locations
- Data driven policy - request electronic ticketing at VWS locations
- Phase-in new system to all 18 VWS sites – new contract bid
- Pending construction at MD 213 North, Nice Bridge North and South VWS





**Maryland Department of Transportation
State Highway Administration Office of Traffic & Safety
Motor Carrier Division**

410-582-5719

DUANE PEARCE - DIVISION CHIEF

MANOJ PANSARE - ITD PROGRAM MANAGER

JEROME ANTHONY - DATA, EDUCATION & COMPLIANCE MANAGER

dpearce@mdot.maryland.gov

mpansare@mdot.maryland.gov

janthony@mdot.maryland.gov

Hanover, Maryland