Truck Restrictions

Truck restrictions can mitigate the negative effects of trucks on the transportation system by prohibiting truck traffic on certain roadways or in specific travel lanes.

HOW WILL THIS HELP?

- Truck restrictions can increase mobility and improve safety.
- Restricting truck traffic can increase the number of smaller vehicles that can traverse a road in a given period of time.
- Removes the potential for unsafe interactions between trucks and smaller vehicles, pedestrians, and cyclists.

HOW DOES IT WORK?

- Truck restrictions are implemented by the transportation agencies governing the roadway.
- Commercial vehicle companies should be consulted to gauge the effect of the restrictions on their operations.

CONSIDERATIONS

+ NEED FOR URBAN LOADING ZONES, DELIVERY WINDOWS, SIGNAL TIMING, TURNING LANE LENGTHS.
+ MATCH TRUCK ROUTES WITH APPROPRIATE INFRASTRUCTURE, CONSIDERING HEIGHT AND WEIGHT CONSTRAINTS.

TRANSPORTATION NEEDS ADDRESSED

- Safety
- Access
- Freight

COST MAGNITUDE

CAPITAL COST	$
OPERATION AND MAINTENANCE COST	$

WHEN TO CONSIDER THIS STRATEGY

- DEPLOY OVER-HEIGHT VEHICLE DETECTION SYSTEMS AND COMPREHENSIVE RESTRICTION SIGNING WHERE OVER-HEIGHT CRASH RATES ARE HIGH.
- IMPLEMENT TRUCK RESTRICTIONS SUCH AS "NO PASSING, RIGHT LANE ONLY."
- INCLUDE SLOW-MOVING VEHICLE LANES (UPGRADE/DOWNGRADE). DESIGNERS SHOULD CONSIDER TRUCK ACCELERATION/ DECELERATION AND OTHER CHARACTERISTICS IN LOCATING TERMINI OF THESE LANES.
- IMPLEMENT ON COLLECTOR OR LOCAL ROADWAYS THROUGH RESIDENTIAL NEIGHBORHOODS OFTEN USED BY TRUCKS AS A CUT-THROUGH.

COMPLIMENTARY STRATEGIES

- ACCESS MANAGEMENT
- DYNAMIC LANE USE CONTROL
- QUEUE WARNING
- SIGNING
- TRAFFIC SURVEILLANCE
- TRAVELER INFORMATION
- TRUCK PARKING
- TRUCK RESTRICTIONS
- WEIGH-IN-MOTION

TSMO MARYLAND TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION