

SPECIAL HAULING VEHICLES (SHV) + NEW WEIGHT-RESTRICTION SIGNAGE AT BRIDGES INFORMATION BRIEF

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Welcome



Questions during the presentation?

- Send your question via the live-chat option
- Email your question to jonathan.mallard@vdot.virginia.gov

Questions will be addressed at the end of the presentation. If we aren't able to answer a question today, we will get the answer and follow up after the meeting.

All questions and answers will be posted on www.virginiadot.org/trucking.

Advancements in Vehicle Design & What it Means for DOTs

- Vehicles developed to carry heavier legal loads
 - Freight vehicles: special hauling vehicles (SHV)
 - Emergency vehicles (EV)
- VDOT modified bridge design practices in 2007
- SHVs becoming widespread
- FHWA mandates
 - SHV legal weight standards: 23 CFR Part 650, Subpart C
 - EV legal weight standards: (FAST Act) Pub. L. 114-94. Section 1410



Typical Hauling Vehicles





Special Hauling Vehicles



Four Axles



Five Axles



Six Axles



Seven Axles

Emergency Vehicles



Two Axles



Three Axles

Heavier and/or more concentrated loads



What VDOT is doing:

- Evaluating all bridges for SHVs and EVs
 - Virginia's bridge inventory
 - 21,213 bridges
 - 100+ years old to under 1 year
 - Average age 50 years
 - Final deadline for evaluations Dec. 31, 2022
- Will install weight limit signs where needed, as the need is identified
- Continuing to work with localities



Impacts

- Safety is always VDOT's top priority
- Industry impacts
 - May need to revise routes to avoid structures/bridges with weight restrictions
 - Resources to identify impacts
 - Truck Web tool
- Possible mitigation
 - Structural upgrades



- Signs show familiar icons/visuals
- Drivers distinguish by axle count and gross vehicle weight
- Drivers must obey all weight-restriction signs



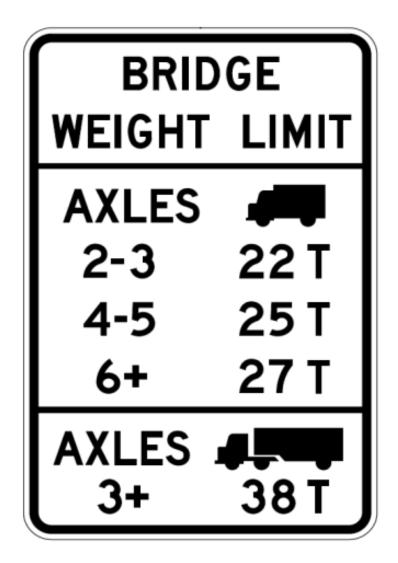
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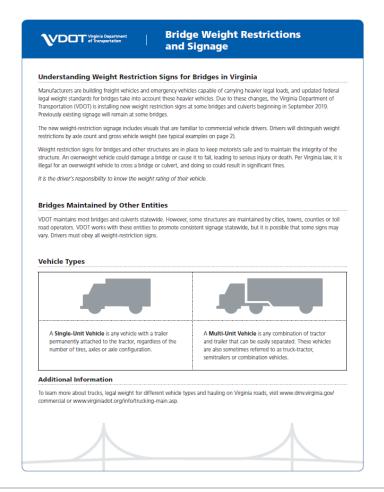
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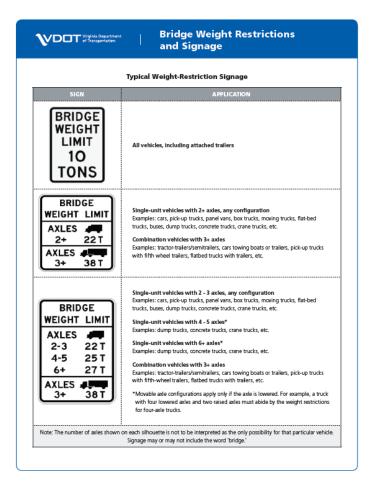




Signage Reference Sheet

Available via the VDOT and DMV websites







Ongoing VDOT Activities

- VDOT will identify potential acute impacts to special hauling vehicles and the economy
- VDOT will prioritize bridge structural repairs based on feedback, recognizing limited resources
- VDOT Districts are communicating with local stakeholders about specific impacts
- Installation of new weight-restriction signs begins this fall



- To learn more about trucks, legal weight for different vehicle types and hauling on Virginia roads, visit <u>www.dmv.virginia.gov/commercial</u>.
- For information regarding VDOT's efforts and materials used during this discussion, visit <u>www.virginiadot.org/trucking</u>.
- Programmatic Questions
 - Chris Williams, Assistant Division Administrator, Structure and Bridge
 - Christopher.Williams@vdot.virginia.gov



www.virginiadot.org/trucking

Weight, Height or Width Restrictions at Bridges and Tunnels

Bridges

Various bridges statewide have restrictions on the weight, height, or width of vehicles. Signs posted on the highway at the affected bridges indicate these restrictions.

Find restricted bridges: For a current listing (updated daily) of bridges statewide posted with restricted weight limits (does not include height or width limitations), click here.

A map of state-maintained bridges with restrictions on height, width as well as weight bridges is available upon request to vdotmapfiles@vdot.virginia.gov. The mapping is updated bi-annually.

BRIDGE										
WEIGHT	LIMIT									
AXLES	~									
2-3	22 T									
4-5	25 T									
6+	27 T									
AXLES	474									
3+	38 T									





Home > Info > Virginia Trucking Resources

REPORT A ROAD PROBLEM (800-FOR-ROAD (800-367-7623)

Search this site

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Traffic Information

511 offers real-time traffic info. Anytime you need it, anywhere



SMART SCALE Dashboard

Funding the right transportation projects.



Virginia Roads

Your one-stop source for VDOT maps, data and project info-



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RT @GovernorVA: .@FirstLadyVA and I just voted, and you should tool Remember: To Polls are open from 6:00 AM until 7:00 PM 📥 Absentee

8 minutes ago

RT @vaELE Election Day. Virginial Find yo https://t.co/dmg6 1191740379290169345 open today...



Other Links

- VirginiaRoads.org Portal
- Open to the Public
- O Highway Safety Challenge
- O Six-Year Improvement Program database

Virginia Trucking Resources

→ Travel Center → Newsroom → Info Center → Business Center → Programs → Projects & Studies

New Bridge Weight-Restriction Signage Information Session

New! The Virginia Department of Transportation (VDOT) will host an online information session about new statewide bridge weight-restriction signage on Wednesday, Nov. 13, at 2 p.m. A link to the livestream will be posted here a few

Everyone affected by these changes - those in the trucking industry, business owners and drivers - is encouraged to

For more information about the event and to RSVP, click here. Informational materials shared during the session will be posted below for those unable to attend.

Vehicle Size, Weight, and Equipment Requirements

Virginia has various requirements regarding vehicle size (length, width, and height), weight, as well as equipment and safety devices (e.g. tires, lights etc.) for travel on the commonwealth's highways.

See the Department of Motor Vehicles (DMV) "Size, Weight, and Equipment Requirements" for details. Phone: 804-497-

For size and weight services for motor carriers, such as information on monitoring, inspection and enforcement, vehicle size, weight, and equipment requirements, etc., contact DMV's Motor Carrier Services Division at 804-249-5130.

Hauling Permits

Overweight and oversized loads (those not conforming to Virginia's vehicle size and weight requirements) need permits to travel legally in Virginia.

See DMV's Hauling Permits here or contact the DMV Hauling Permit Section at 804-497-7135.

Highway Restrictions and Limitations

Various highways, bridges, and bridge-tunnels have size and weight restrictions or other requirements. These are below.

Hazardous Material (HAZMAT) Restrictions

For information on the transport of hazardous materials on highways in Virginia or through one of the six state-owned tunnels, see DMV's "Size, Weight, and Equipment Requirements."

For information on transporting hazardous materials through the privately owned and maintained Chesapeake Bay Bridge- Tunnel, see http://www.cbbt.com/hazmat.html or call 757-331-2960.

Note: The Airport Tunnel in the city of Roanoke (Route 118) is restricted to all hazardous materials. / suggested detour: Hershberger Road (Route 101) to Williamson Road (Route 11), then Peters Creek Road (Route 117).

EXPLOSIVES

Weight, Height or Width Restrictions at Bridges and Tunnels

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- www.virginiadot.org/trucking
- Live spreadsheet shows all bridge weight restrictions once signs have been installed

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BRID	GE
WEIGHT	LIMIT
AXLES	7
2-3	22 T
4-5	25 T
6+	27 T
AXLES :	38 T
	WEIGHT AXLES 2-3 4-5 6+

District	Jurisdiction	Route	Route Name	VA Struc No.	Fed Struc Id	Crossing	Туре	Year Built	Year Recnst (State)	Year Recns (Fed)	Deck Cond	Super Cond	Sub Cond	Culvert Cond	NBI	Func Obslt	Struc Defic	Last Inspected	Weight Posting Status	Single Sign - Single Unit Vehicle - Posted Capacity (in tons)	Dual Sign - Single Unit Vehicle - Posted Capacity (in tons)	Dual Sign - Combination Unit Vehicle - Posted Capacity (in tons)	Responsibility	Structure Length (FT)	APT)	Avg Daily Traffic	Road System	Report Date
Bristo1	Tazewell County	00770	ASCUE ROAD	6233	0018681	INDIAN CREEK	Bridge	1932	0	-1	5	5	6	N	Y	FO		7/17/2018	Posted	0	27	40	VDOT	53.0999984741211	21	283	Secondary	10/28/2019
Bristo1	Dickenson County	00083	ROUTE 0083	1049	0005818	BRANCH	Bridge	1941	0	-1	5	5	6	N	N I	FO		1/15/2019	Posted	0	27	40	VDOT	12.1000003814697	26.6000003814697	5628	Primary	10/28/2019
Bristo1	Wythe County	00052	FORT CHISWELL RD.	1014	0019539	GLADE CREEK	Bridge	1932	1950	1950	5	5	6	N	Y			3/4/2019	Posted	0	27	40	VDOT	22	36	2738	Primary	10/28/2019
Bristo1	Lee County	00604	ROUTE 604	6353	0010779	BRANCH	Bridge	1932	0	-1	6	6	5	N	N			12/8/2017	Posted	0	27	40	VDOT	8.89999961853027	19.3999996185303	61	Secondary	10/28/2019
Bristo1	Washington County	00694	STONYBROOK ROAD	6250	0019123	BRANCH	Bridge	1932	0	-1	4	4	5	N	N		SD	7/8/2019	Posted	0	27	40	VDOT	13	26.2000007629395	396	Secondary	10/28/2019
Bristo1	Washington County	00726	CHESTNUT MTN. RD	6283	0019164	STREAM	Bridge	1937	0	-1	7	6	5	N	N I	FO		10/10/2018	Posted	0	14	23	VDOT	20	18	177	Secondary	10/28/2019
Bristo1	Norton	00000	MAIN AVENUE SW	8000	0022441	BENGES BRANCH	Bridge	1932	0	-1	4	4	6	N	Y		SD	3/20/2019	Posted	0	27	40	City	23	25.8999996185303	2431	Urban	10/28/2019
Bristo1	Washington County	00058	JEB STUART HWY	1081	0018881	STRAIGHT BRANCH	Bridge	1950	0		6	6	5	N	N			6/15/2018	Posted	0	27	40	VDOT	22	27.2999992370605	674	Primary	10/28/2019
Bristo1	-		ROUTE 616		0010807	WALLENS CREEK	Bridge	1932	0	-1	6	6	5	N	Y I	FO		5/8/2019	Posted	0	23	34	VDOT	85	14.1000003814697	247	Secondary	10/28/2019
Bristo1	Wythe County	00734	ASBURY CHURCH RD	6076	0019779	CRIPPLE CREEK	Bridge	1932	0	-1	6	5	6	N	Y	FO		10/1/2018	Posted	0	19	28	VDOT	42	15	120	Secondary	10/28/2019



Specific Local Concerns Contact VDOT District Representatives

- BristolGary Lester, 276-696-3372
- Salem
 Dean Hackett, 540-387-5311
- LynchburgDale Totten, 434-856-8175
- Richmond
 Sean Nelson, 804-524-6096
- Hampton RoadsShannon Ternes, 757-956-3217
- Fredericksburg
 Leslie Danovich, 540-899-4343

Culpeper
Lou Hatter, 540-717-2890

Staunton
Susan Hammond, 540-462-6990
Northern Virginia
Juan Rocha Encinas, 703-259-2393

**ROCRINGHAM PAGE
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SARTE

PATRICK

VDOT Districts

ROADS



Questions?



Thank you for joining us.



