

Department of Legislative Services  
Maryland General Assembly  
2018 Session

FISCAL AND POLICY NOTE  
Third Reader

Senate Bill 1069

(Senator Mathias)

Judicial Proceedings

Environment and Transportation

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Motor Vehicles - Gross Vehicle Weight - Agricultural Products

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This bill establishes a 5% gross vehicle weight limit tolerance for vehicles carrying agricultural products during harvest time in specified circumstances as an alternative to the existing axle load limit tolerance for vehicles during harvest time. However, the higher gross vehicle weight limit tolerance only applies to a vehicle traveling within 100 miles of the field or other off-highway location where the vehicle was loaded. **The bill takes effect June 1, 2018.**

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Fiscal Summary

**State Effect:** General fund revenues decrease, beginning as soon as FY 2018, to the extent that fewer vehicles are assessed fines for exceeding allowed weight tolerances. Transportation Trust Fund (TTF) expenditures increase by as much as \$220,000 in FY 2019 for the State Highway Administration (SHA) to assess the ability of bridges in the State to handle the increased weight limits allowed under the bill and to post signage if necessary. In future years, annual bridge inspections totaling \$150,000 may be required. TTF expenditures may increase significantly more beginning in FY 2019 for additional highway system preservation and maintenance, as discussed below.

**Local Effect:** Local government highway maintenance expenditures may increase beginning in FY 2019. Revenues are not affected.

**Small Business Effect:** Meaningful.

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## Analysis

**Bill Summary:** The bill establishes that, except on interstate highways, a specified vehicle, either registered as a farm vehicle or carrying farm products (as defined in the Agriculture Article) that were loaded in fields or other off-highway locations, is allowed a gross vehicle weight limit tolerance of 5% from limits in the Transportation Article during certain harvest periods, including:

- wheat, for the period from June 1 to August 15;
- corn, for the period from July 1 to December 1;
- soybeans, for the period from September 1 to December 31; and
- vegetable crops, for the period from June 1 to October 31.

### **Current Law:**

#### *Vehicle Weight Limits*

Specified vehicles (that are registered as farm vehicles or carrying farm products) are allowed an axle load limit tolerance of 5% from established limits in the Transportation Article. During harvest seasons for wheat, corn, soybeans, and vegetable crops, the axle load limit tolerance is 15% (relative to the specified limits in the Transportation Article). Similar provisions relate to vehicles carrying forest products.

The gross weight of any vehicle or combination of vehicles may not exceed 80,000 pounds, including any enforcement or statutory tolerances. This limit applies to a vehicle or combination of vehicles with five or more axles; lower limits apply to vehicles or combinations of vehicles with fewer axles.

Fines apply to violations for exceeding allowed weight tolerances – with \$33 in court costs due, plus one cent for each pound for the first 1,000 pounds over the limit. The fines escalate based on how much over the limit the violator is.

#### *Exceptional Hauling Permits*

Chapter 451 of 2011 repealed, effective June 1, 2011, the exceptional hauling permits for milk and forestry products available for certain vehicles in specified counties and replaced them with a statewide exceptional hauling permit for all “farm products” under essentially the same parameters. Such a permit is subject to a maximum of 87,000 pounds gross combination weight. “Farm product” is defined as any agricultural, horticultural, vegetable, or fruit product of the soil, including livestock, meats, marine food products, poultry, eggs, dairy products, wool, hides, feathers, nuts, honey, and every product of farm,

forest, orchard, garden, or water, but it does not include canned, frozen, dried, or pickled products.

Chapter 450 of 2014 established two separate exceptional hauling permits for the transport of raw milk. One was available only seasonally for a two-year period and applied to combinations of vehicles with at least five axles and a maximum gross vehicle weight of 88,000 pounds. The other continues to be available year-round and applies to combinations of vehicles with at least six axles; the maximum gross vehicle weight for that permit is 95,000 pounds. Chapter 450 also removed the authorization for an exceptional farm hauling permit to haul milk. Chapters 76 and 77 of 2017 reestablished and made permanent the authorization for exceptional milk hauling permits on a seasonal basis.

Other weight limits apply to a combination of vehicles operating under the authority of an exceptional hauling permit (whether for farm products or raw liquid milk).

Failure to comply with the terms and conditions of the exceptional hauling permit voids the permit. Also, SHA may stop issuing or renewing these exceptional hauling permits if the administrator determines that their use is adversely affecting any part of the State highway system.

An applicant for an exceptional hauling permit must pay SHA \$250 for a new or renewal annual permit and \$30 for issuance of a 30-day permit. Fees are substantially higher to reinstate a permit that was revoked (\$1,000 for a first violation and \$5,000 for a second or subsequent violation within the prior 24 months).

**Background:** The Maryland Department of Agriculture (MDA) advised for a previous introduction of this bill that transportation of agricultural bulk commodities is a significant cost for farmers in terms of fuel, equipment, labor, and time. The bill allows up to a 5% increase in the gross vehicle weight of trucks hauling corn, soybeans, wheat, and vegetables during harvest season. This higher weight limit increases hauling flexibility and efficiency while reducing transportation costs for farmers.

MDA further advised that the variability of weight at time of harvest due to moisture and other factors is a significant concern for farmers. The bill establishes a tolerance for fluctuating weights for farmers who, during harvest season, are attempting to ship crops in a timely manner. For example, MDA advised corn weights can range from 45 to 60 pounds per bushel coming out of the field, and the difference in weight can be hard to discern. Corn kernel dry matter is denser than water, and as the amount of water decreases, the bulk density of the kernel increases. Thus, there is often an inverse relationship between the weight of corn and moisture, with weight increasing as moisture declines per bushel. To further complicate matters, moisture levels in corn can vary in an individual field, meaning weight per bushel can fluctuate when off-loading into trucks carrying similar volumes.

**State Revenues:** General fund revenues likely decrease due to fewer fines imposed for carrying excess weight. However, the amount of the decrease cannot be estimated at this time. In addition, although the bill authorizes a higher gross vehicle weight (of up to 84,000, rather than 80,000, pounds during harvest times), that change is not expected to significantly affect the issuance of exceptional hauling permits, which allow a gross vehicle weight of up to 87,000 pounds.

**State Expenditures:** Under the bill, vehicles that meet the specified requirements are allowed a gross vehicle weight tolerance of 5% from limits *without being required to obtain an exceptional hauling permit*. Vehicles carrying farm products are already authorized to obtain exceptional hauling permits, which must be approved and issued by SHA, and, as noted above, the maximum gross vehicle weight authorized by such permits is 87,000 pounds. Because there is no mechanism available to control the number of vehicles operating under the bill's limits (or the areas in which such vehicles operate beyond the restriction against interstate highway use and the 100-mile radius from the loading site), SHA anticipates additional expenditures in order to assess the ability of bridges throughout the State to handle the heavier loads.

The Department of Legislative Services (DLS) advises that additional costs are likely but that the amounts anticipated by SHA (discussed below) represent maximum costs under the bill. Given that the bill limits vehicles operating under the new authorization to 100 miles or less, not all jurisdictions may be affected by the bill and, thus, costs may not reach the full amounts estimated by SHA. Nevertheless, DLS is unable to independently verify the number of additional inspections required under the bill or the amount of additional roadway damage resulting from higher gross vehicle weight limits.

### *Bridge Inspections*

According to SHA, approximately 1,000 bridges in the State likely require an analysis to assess the ability of the bridges to safely carry the specified vehicles as repetitive loads. The \$200,000 cost of the initial analysis is incurred in fiscal 2019. Furthermore, approximately 5% of the bridges likely require weight limit postings at a cost of \$400 per bridge, resulting in an additional \$20,000 in initial costs.

Also according to SHA, approximately 10% of the bridges require annual inspections (as opposed to the current biennial inspections) in perpetuity, resulting in \$150,000 in expenditures annually beginning in fiscal 2020.

SHA further advises that, although it is not possible to reliably estimate the costs associated with increased physical damage to existing bridge structures as a result of the bill, the cost for a single strengthening project could total \$250,000 or more. Any such impact is not factored into this estimate.

DLS advises that these estimates are the same as for prior introductions of this bill that allowed higher gross vehicle weight tolerances than the current version of the bill. Nevertheless, SHA advises that *any* increase in permissible gross vehicle weight tolerances could be enough to require additional inspections for bridges that are already operating at capacity.

### *Highway System Maintenance*

In addition to costs related to bridges, TTF expenditures also increase, potentially significantly, beginning in fiscal 2019 for additional highway system maintenance and preservation. Any such impact cannot be reliably quantified as it depends on the extent to which the bill's authorization for heavier loads is utilized. With exceptional hauling permits, the SHA administrator can stop issuing or renewing permits if their use is determined to be adversely affecting any part of the State highway system; there is no such constraint associated with the authorization in the bill.

**Small Business Effect:** Any farms that qualify as small businesses may be meaningfully affected by the bill, as it allows them to carry heavier loads during harvest season. Larger permissible load limits may increase their profits during harvest season. Such farms may benefit from paying fewer or lower penalties for overweight limits.

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## **Additional Information**

**Prior Introductions:** HB 1000 of 2017, a similar bill, received a hearing in the House Environment and Transportation Committee, but no further action was taken. HB 486 of 2016, another similar bill, received an unfavorable report from the House Environment and Transportation Committee.

**Cross File:** HB 646 (Delegate Reilly, *et al.*) - Environment and Transportation.

**Information Source(s):** Maryland Department of Agriculture; Department of State Police; Maryland Department of Transportation; Department of Legislative Services

**Fiscal Note History:** First Reader - February 28, 2018  
md/ljm Third Reader - March 20, 2018

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