

# INNOVATIVE PRODUCTS FOR THE TRUCKING INDUSTRY TOWARDS GROWING A CLEAN ECONOMY



Task Force on Vehicle Weights & Dimensions Policy

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Des innovations signées

A large graphic element consisting of a stylized, thick, blue-to-white gradient bar that curves into a 90-degree turn. The inner curve of the turn is filled with a black and white tire tread pattern. To the right of this graphic, the word "SAMOS" is written in a large, bold, blue, sans-serif font. Below "SAMOS", the following text is listed in a smaller, blue, sans-serif font:

**Essieux dirigés**  
**Mesure angulaire**  
**Algorithme**

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COST OF TRUCKING & OPERATIONAL EFFICIENCY

What a trucking company bankruptcy tells us about labor tensions in America

End of an Era

An Analysis of the Operational Cost of Trucking : 2023 Update



**End of an Era**

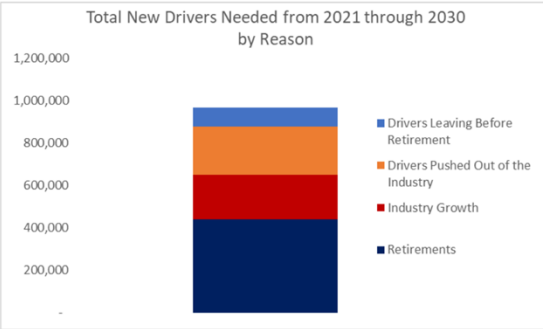
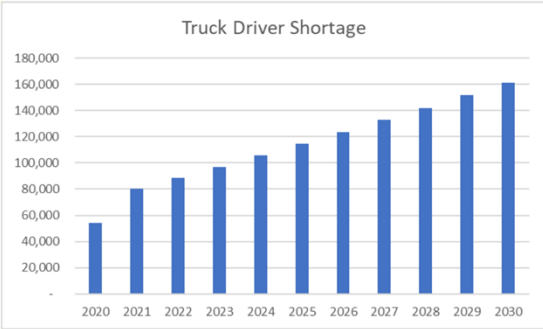
It is a profound disappointment after nearly 100 years of business we have ceased operations and filed voluntary Chapter 11 petitions on August 6th, 2023. Read the full announcement [here](#).

On August 6, 2023, Yellow Corporation and certain of its affiliates, including YRC Inc. (d/b/a YRC Freight), USF Holland, USF Reddaway, New Penn Motor Express, YRC Enterprise Services, and Yellow Logistic (together "Yellow"), filed voluntary petitions for relief under Chapter 11 of Title 11 of the U.S. Bankruptcy Code.



LABOR SHORTAGE

ATA Chief Economist Pegs Driver Shortage at Historic High



OVERSIZED STANDARDS

[Canadian Tire and CP unveil 60-ft. container in Calgary](#)

[Analysis: Canada's 60-foot container will likely stay north of the border](#)



[Les remorques de 60 pieds autorisées au Québec, avec permis special](#)



[État des routes au Québec : la vérificatrice générale blâme le ministère des Transports](#)

URBANISM vs ROAD SAFETY

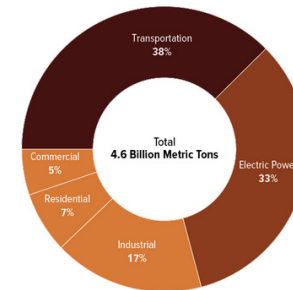


[Traffic Claiming ePrimer – Module 3](#)



ECOLOGICAL FOOTPRINT

[Emission of carbon Dioxide in the Transportation Sector](#)

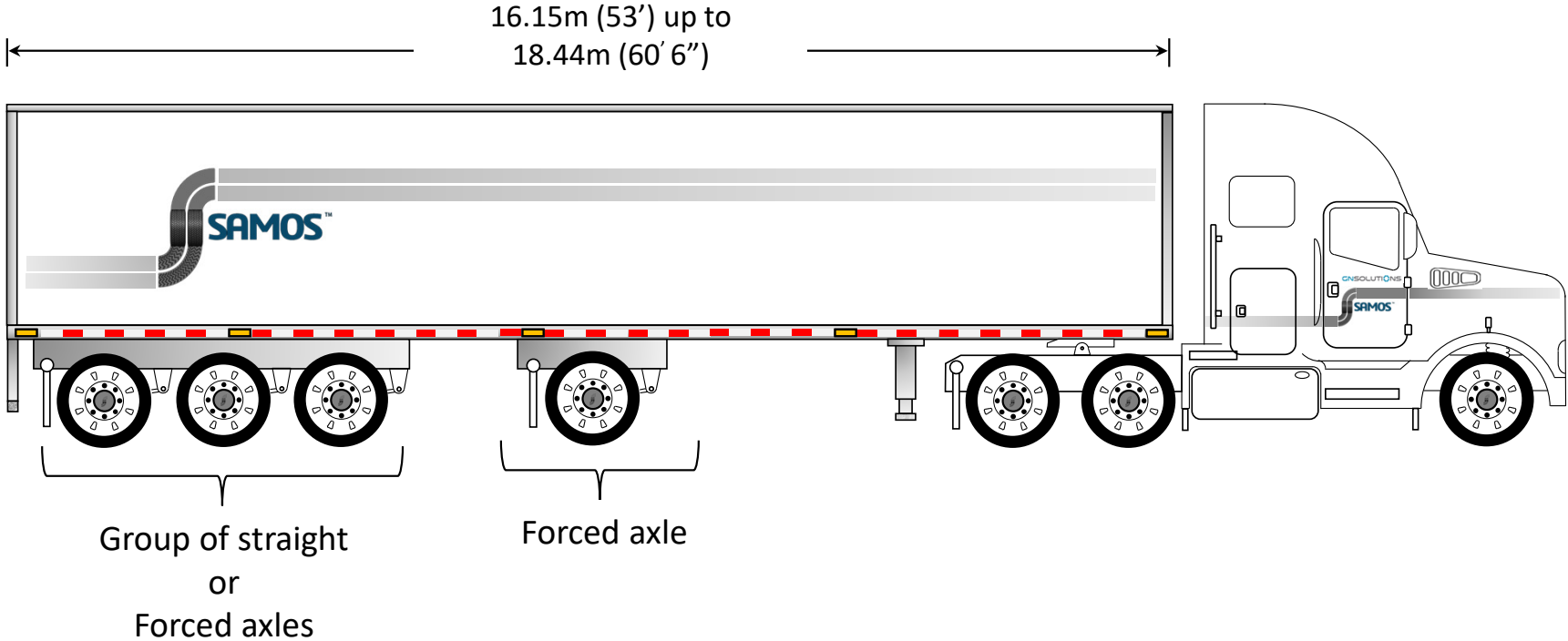


[Can tires turn green?](#)

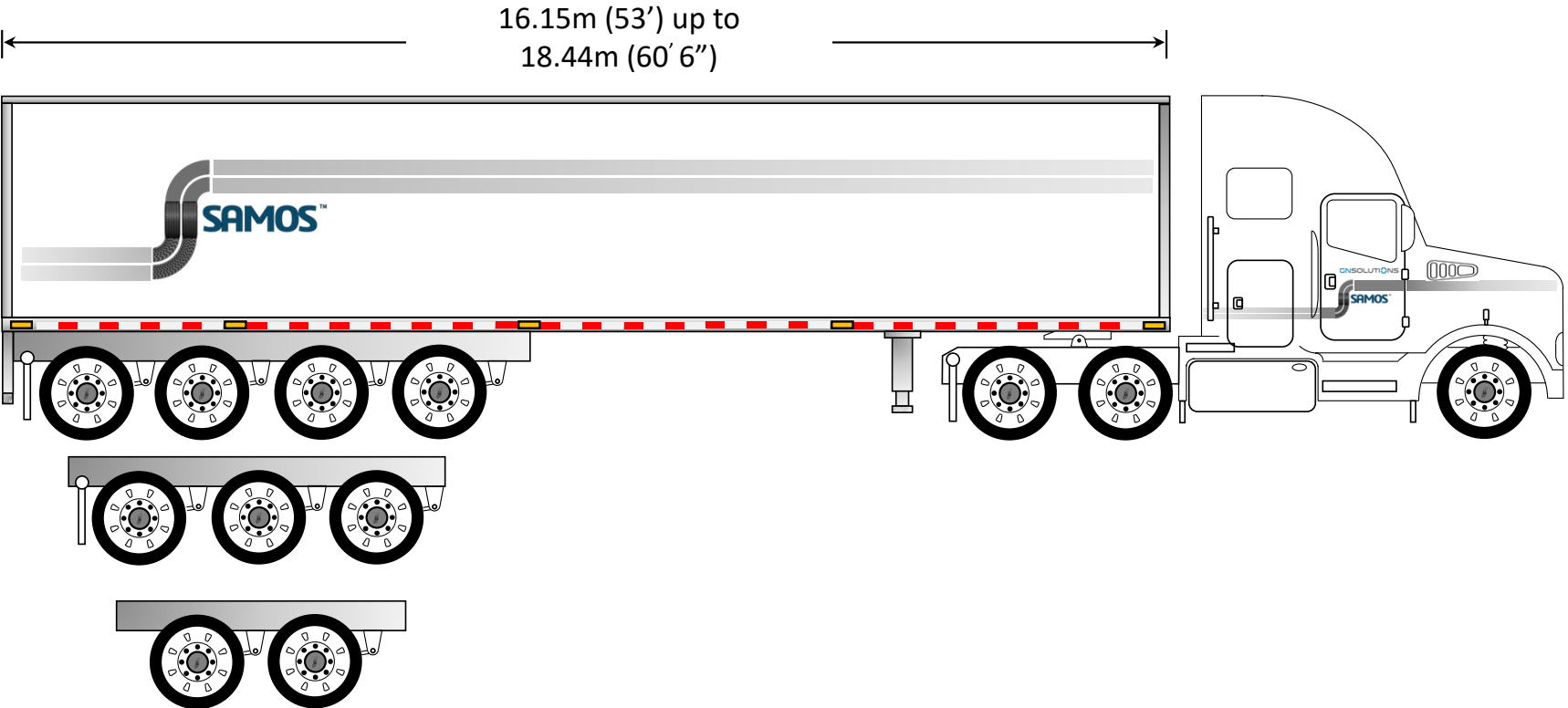
[Steer Laws for Steerable Trailer Axles to Reduce Tire Wear](#)



- Auxiliary forced steer axle
- Maximum load
- Retread tires



- Combinaison of straight and forced axles :
- Quad axle (or equivalent)
  - Tandem (or equivalent)
  - Tridem (or equivalent)

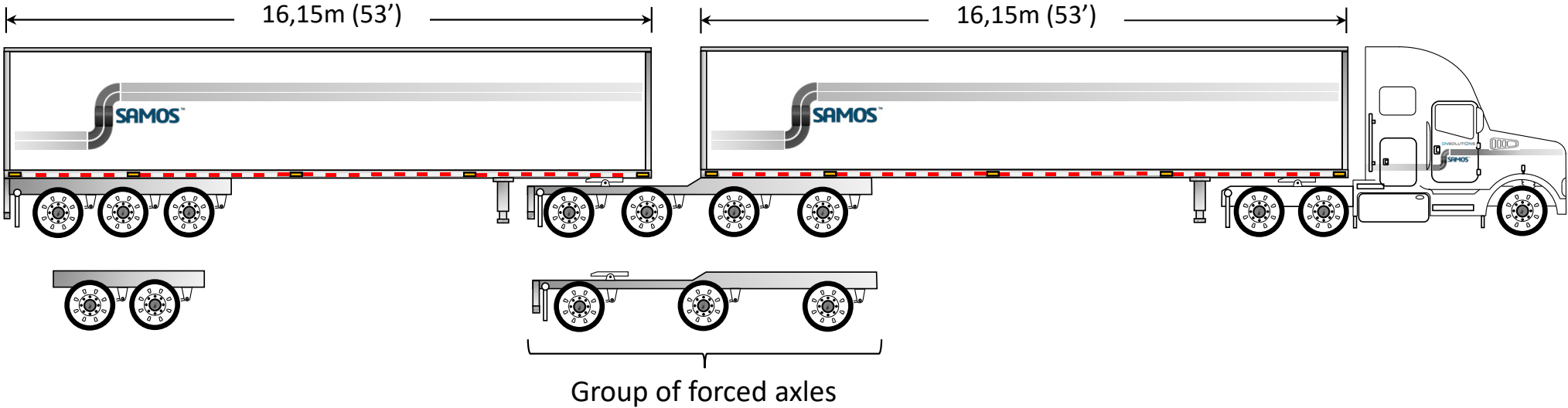


1<sup>st</sup> Semi-trailer :

- Quad or tri-axle B-Train  
(Forced axles)

2<sup>nd</sup> Semi-trailer :

- Tandem (or equivalent)
- Tridem (or equivalent)



## CONCLUSION

### Can the committee clarify the legislation to permit:

- The replacement of self-steer axles by forced axles?
- The retread tires on forced axle on semi-trailer and trailer (all positions)?
- Vehicles equipped with a combination of straight and forced axles ? If yes, which configuration(s)?
- Quad-axle and tri-axle B-Trains equipped with forced axles?

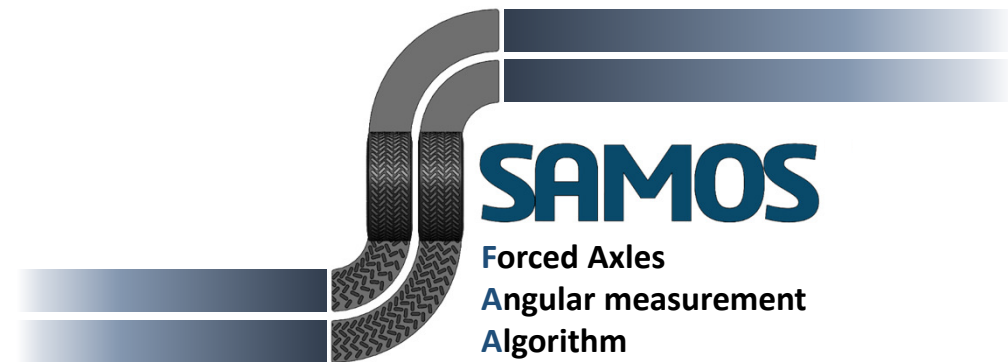
### Acknowledgements

Mr. John Pearson

Council of Deputy Ministers Responsible  
for Transportation and Highway Safety

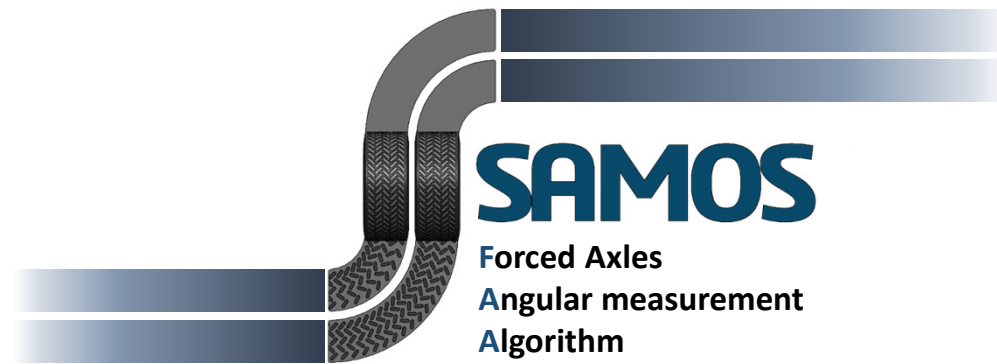
Members of the Committee

Audience





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SUPPLEMENTAL INFORMATION

**What a trucking company bankruptcy tells us about labor tensions in America**

<https://www.vox.com/23823648/yellow-corp-trucking-freight-bankruptcy-union-supply-chain>

**An Analysis of the Operational Cost of Trucking : 2023 Update**

<https://truckingresearch.org/atri-research/operational-costs-of-trucking/>

**End of an Era**

<https://myyellow.com/>

**Canadian Tire and CP unveil 60-ft. container in Calgary**

<https://www.trucknews.com/equipment/canadian-tire-cp-unveil-60-ft-container-calgary/1003078421/>

**Analysis: Canada's 60-foot container will likely stay north of the border**

<https://www.trains.com/trn/news-reviews/news-wire/analysis-canadas-60-foot-container-will-likely-stay-north-of-the-border/>

**Les remorques de 60 pieds autorisées au Québec, avec permis special**

[https://www.transportroutier.ca/nouvelles/les-remorques-de-60-pieds-autorisees-au-quebec-avec-permis-special/?utm\\_medium=email&utm\\_source=newcom&utm\\_campaign=TR\\_Tendances&utm\\_content=20231201162720&hash=57163738ced17b38b6b2cbe54510f391](https://www.transportroutier.ca/nouvelles/les-remorques-de-60-pieds-autorisees-au-quebec-avec-permis-special/?utm_medium=email&utm_source=newcom&utm_campaign=TR_Tendances&utm_content=20231201162720&hash=57163738ced17b38b6b2cbe54510f391)

**État des routes au Québec : la vérificatrice générale blâme le ministère des Transports**

[https://www.transportroutier.ca/nouvelles/etat-des-routes-au-quebec-la-verificatrice-generale-blame-le-ministere-des-transports/?utm\\_medium=email&utm\\_source=newcom&utm\\_campaign=TR\\_Tendances&utm\\_content=20231201162720&hash=57163738ced17b38b6b2cbe54510f391](https://www.transportroutier.ca/nouvelles/etat-des-routes-au-quebec-la-verificatrice-generale-blame-le-ministere-des-transports/?utm_medium=email&utm_source=newcom&utm_campaign=TR_Tendances&utm_content=20231201162720&hash=57163738ced17b38b6b2cbe54510f391)

**ATA Chief Economist Pegs Driver Shortage at Historic High**

<https://trucking.org/news-insights/ata-chief-economist-pegs-driver-shortage-historic-high>

**Emission of carbon Dioxide in the Transportation Sector**

[https://www.cbo.gov/publication/58861#\\_idTextAnchor051](https://www.cbo.gov/publication/58861#_idTextAnchor051)

**Le rechapage : Préserve l'environnement**

<https://www.rechapage.fr/index.php/fr/benefices-utilisateurs-du-rechapage/post-formats-3>

**Engagement pour la croissance verte relatif à la valorisation du rechapage pour l'allongement de la durée de vie des pneumatiques de poids lourds**

<https://www.notre-environnement.gouv.fr/IMG/pdf/ecv20-20sncp642a.pdf>

**Can tires turn green?**

<https://cen.acs.org/environment/sustainable-tire-market/101/i17>

**Traffic Claiming ePrimer – Module 3**

[https://safety.fhwa.dot.gov/speedmgt/ePrimer\\_modules/module3pt3.cfm](https://safety.fhwa.dot.gov/speedmgt/ePrimer_modules/module3pt3.cfm)

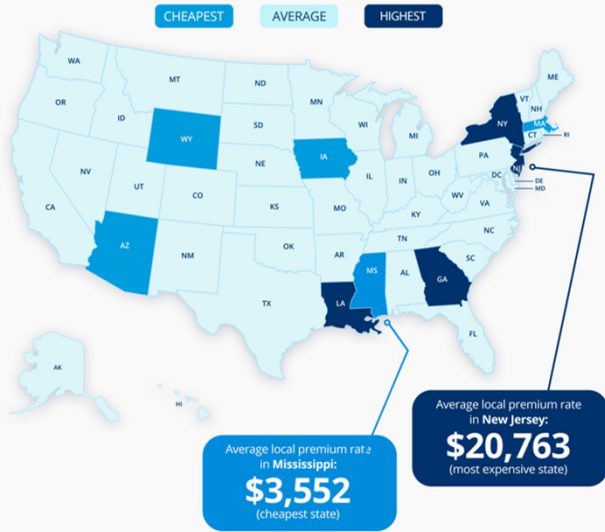
**Steer Laws for Steerable Trailer Axles to Reduce Tire Wear**

Liu, P., Caroux, J. (2011). SAE International Journal of Commercial Vehicles, Volume 4, Issue 1, SAE International. DOI : 10.4271/2011-01-2153  
<https://www.sae.org/publications/technical-papers/content/2011-01-2153/>

## US States: Low to High Truck Insurance Rates

coverwallet  
an Allstate company

If you are thinking about moving, consider the states that have the highest income for truckers and the lowest insurance rates.



### SUPPLEMENTAL INFORMATION – INSURANCE COST

## Factors impacting the Cost of Commercial Truck Insurance

- The state you live
- Hazardous materials you haul
- Credit score
- Security measures
- Amount of freight carried
- Business's travel radius

#### REFERENCES

[Commercial Truck Insurance Rates by State](#)    [Traffic Calm Guide Of Sharrows and Bulb-Outs](#)  
[Traffic Claiming ePrimer – Module 3](#)

