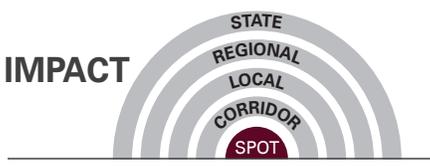




COMMERCIAL VEHICLE ACCOMMODATIONS



WHO	HURDLES
CITY/STATE	LOW INTEREST

More Information: tti.tamu.edu/policy/how-to-fix-congestion

Description

Since commercial vehicles operate differently than cars, their speed changes lead to unsafe maneuvers and increased congestion. Commercial vehicle accommodations address roads where higher truck traffic justifies designs that reduce congestion and increase efficiency and safety. Common commercial vehicle accommodations include:

- Shoulder width and material.
- Turning radii.
- Parking.
- Acceleration and deceleration lanes.
- Truck and car separations.

These accommodations improve the flow of freight and reduce the interaction between cars and trucks.

Target Market

- **Freeways and major roadways with high commercial vehicle volumes.**
Regions should consider commercial vehicle accommodations in urban areas where trucks cause congestion both on city streets and freeway entrance/exit ramps.
- **Freeways and rural highways with steep grade locations.**
Acceleration/deceleration lanes and climbing lanes allow truck traffic to speed up or slow down without disrupting traffic.
- **Outdated major roadway design locations.**
Many major routes lack the latest design guidelines. Larger trucks may have difficulty turning at locations with small turning radii or narrow pavement width.

How Will This Help?

- **Increases freight movement efficiency** by minimizing speed changes, which can improve congestion.
- **Improves safety for passenger vehicles** by reducing the number of truck/car conflicts.
- **Lowers implementation cost** compared to other congestion mitigation methods.

Implementation Issues

Right-of-way is the main issue with adding commercial vehicle accommodations. Existing development may prohibit adjustments. Complex, dated, or elevated designs make it more difficult and costly to add these improvements. Increasing turning radii at intersections may prove difficult due to right-of-way constraints or pedestrian traffic. A complete rebuild or alternative design may be required. Costs can increase depending on the accommodation chosen.

