

Fehr & Peers

Truck Parking:

A Key to Safe and Efficient Urban Logistics

Jason Beloso, Geraldine Poor, Tino Jonga | June 29, 2026



Agenda

- 01** Introduction
- 02** Why Truck Parking Matters
- 03** Community Impacts & Safety
- 04** Practical Strategies
- 05** Funding

Freight Enthusiasts



Jason Beloso

Freight and Rail Planning
Program Manager



Geraldine Poor

Regional Transportation
Senior Manager



Tino Jonga

Freight Practice
Leader

Fehr & Peers

SECTION 02

Why Truck Parking Matters

Why Do Truck Drivers Park?



! Vehicle Breakdown



! Rest / Driver Fatigue Management



! Human Needs



! Off-Duty Parking



! Staging



! Queuing

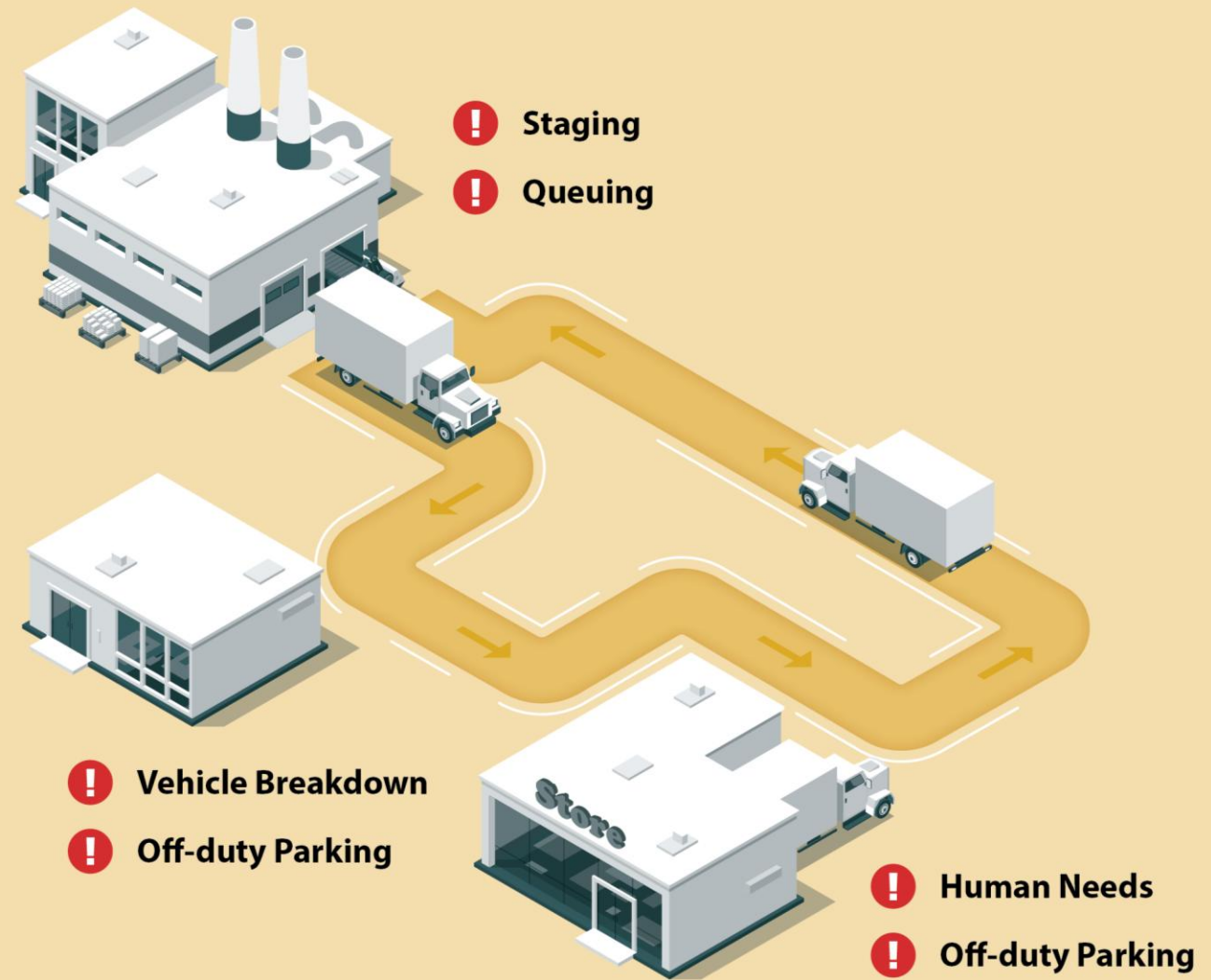


! Emergency Road Closure

Source: National Academies of Sciences, Engineering, and Medicine. 2026.

Driver's Journey: Short-haul

! Key challenge faced by short-haul truck drivers



! Key challenge faced by drayage truck drivers

Source: National Academies of Sciences, Engineering, and Medicine. 2026.

Driver's Journey: Drayage

! Off-duty Parking

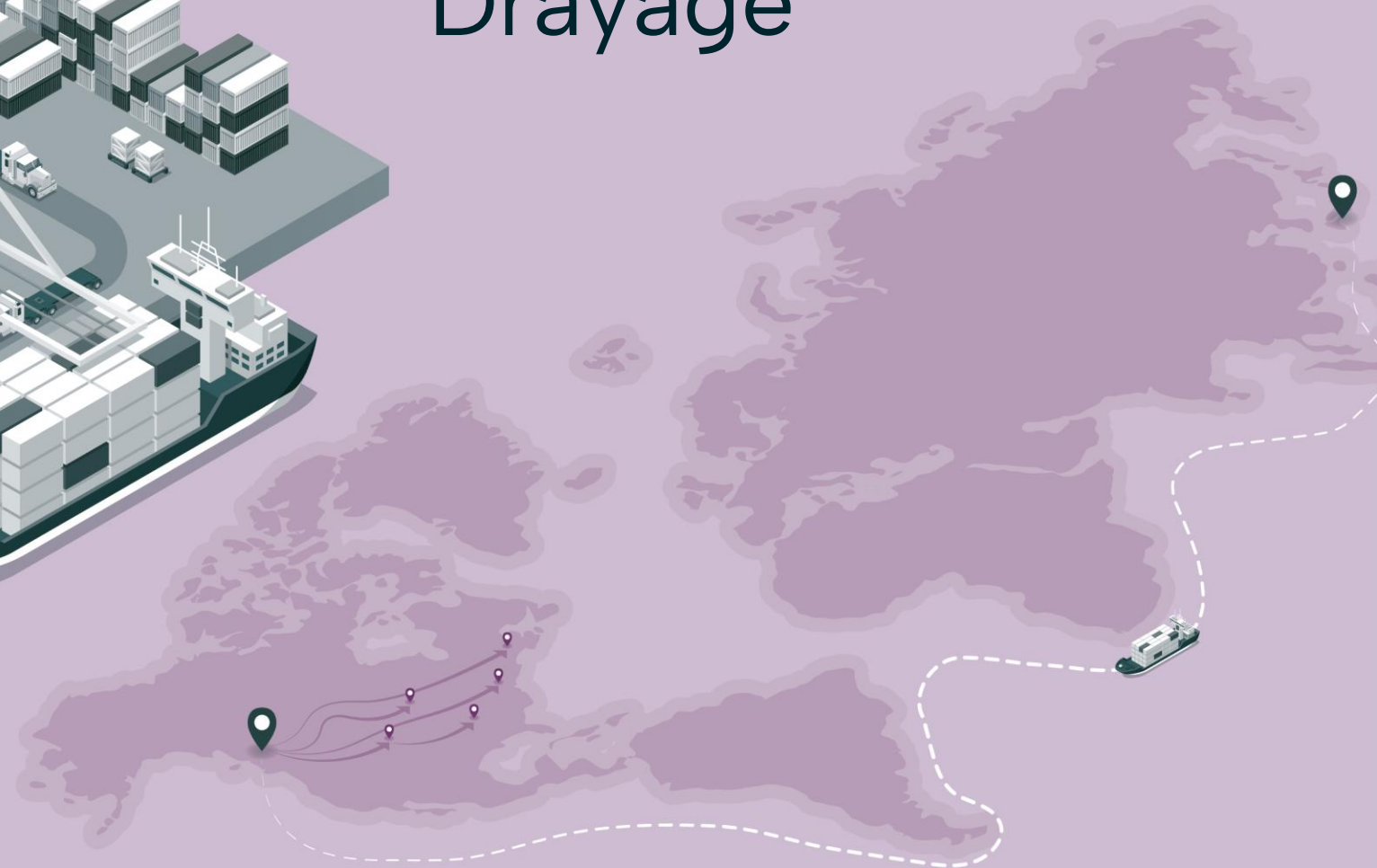
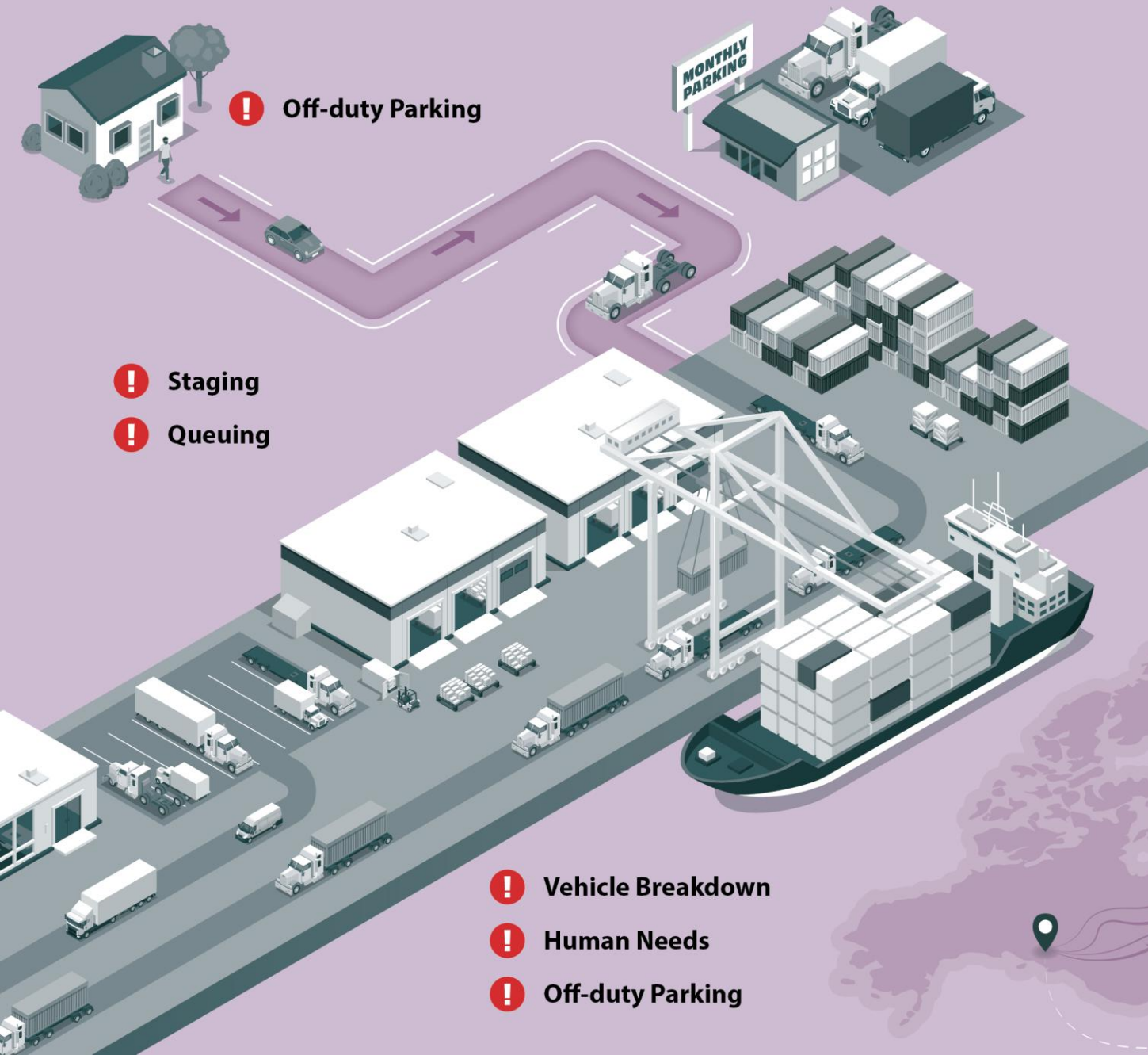
! Staging

! Queuing

! Vehicle Breakdown

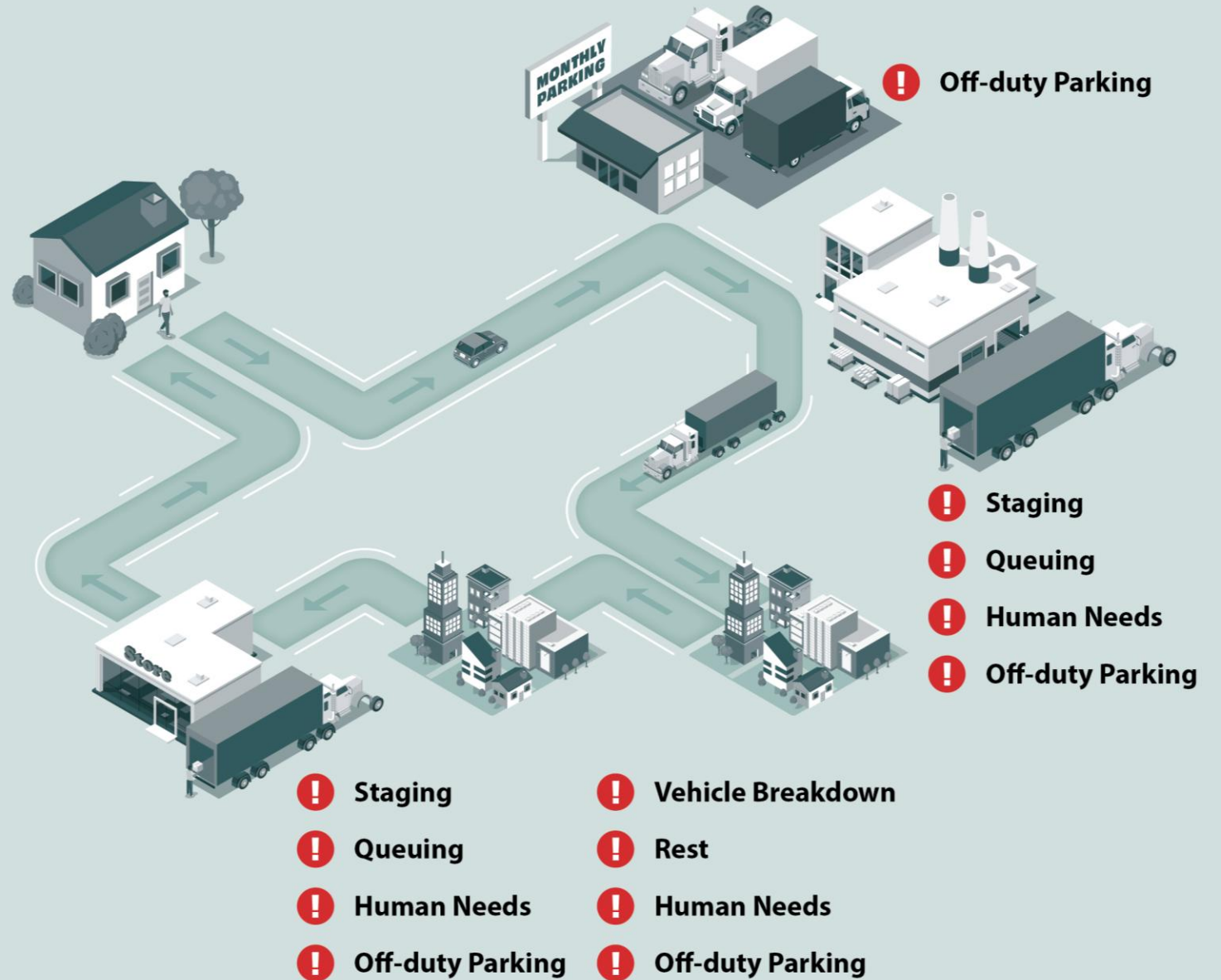
! Human Needs

! Off-duty Parking



Driver's Journey: Long-haul

! Key challenge faced by long-haul truck drivers



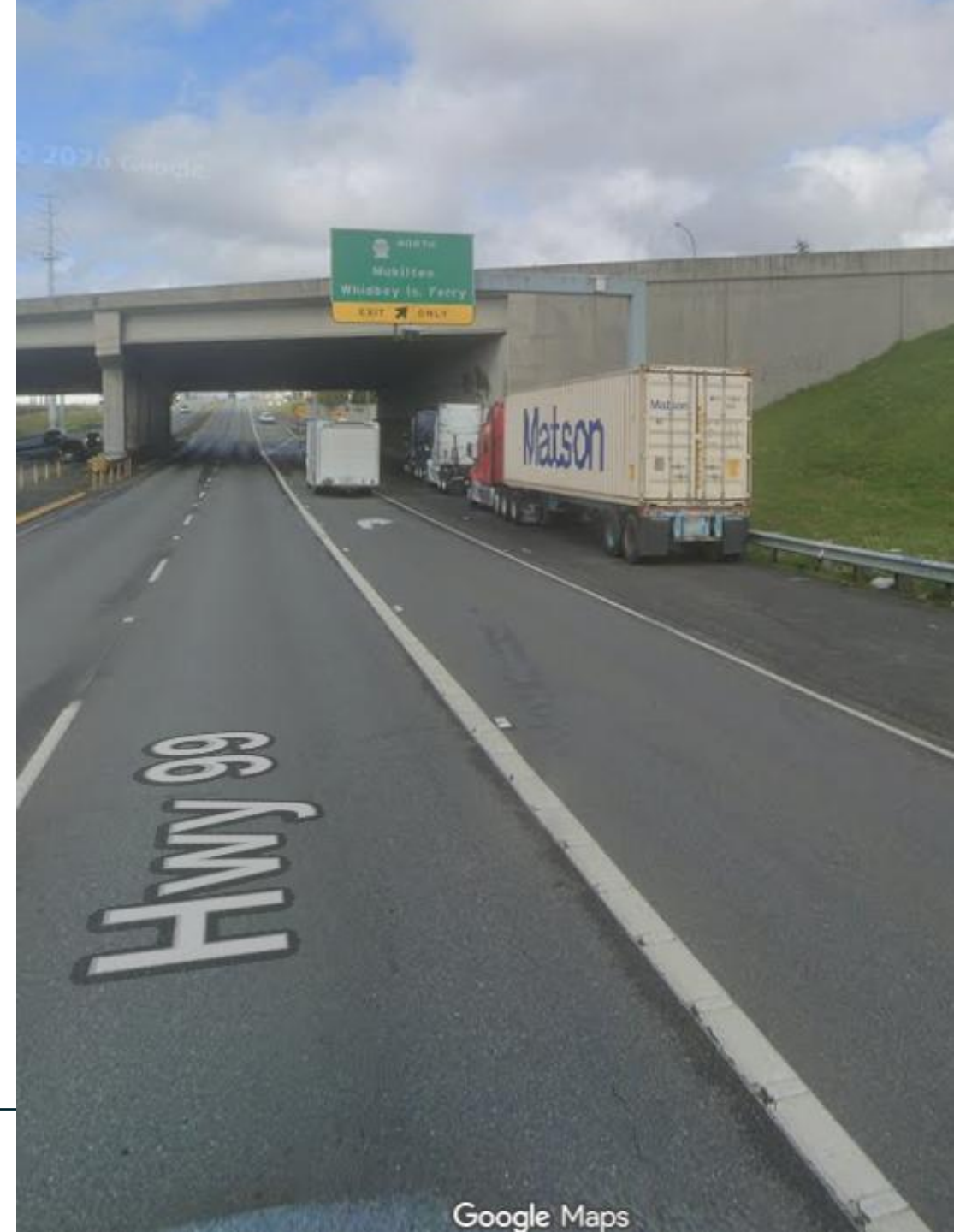
SECTION 03

Community Impacts & Safety

WSDOT Perspective

Unmet Demand & Safety Risks

- 80% private vs. 20% public truck parking
- Rising illegal roadside/overpass parking
- Rest area misuse for overnight and staging
- Limited driver amenities, added barriers for women
- Strong need for safe, well-lit parking





WSDOT Perspective

Operational Inefficiencies

- Drivers spend 30+ minutes searching for parking, increasing miles, emissions, and lost time
- Drivers prefer parking within one mile of highways for quick access

WSDOT Perspective

Considerations

- Advance parking availability information improves trip planning and rest compliance
- Use right of way and adjacent land to expand truck parking capacity
- Integrate parking apps with existing platforms and reservation systems
- Standardize telematics data to deliver consistent in-cab information
- Create a national truck parking database accessible to all vendors
- Establish parking standards to improve safety, security, and system performance

Port Perspective

Unmet Demand & Safety Risks

- Lack of formal parking leads to hidden low visibility “park-and-hide” locations
- Residential parking increases noise and emissions impacts
- Isolated sites increase theft risk
- Aging drayage fleets raise emissions





Port Perspective

Operational Inefficiencies

- Lack of in-harbor parking increases VMT, congestion, costs, and emissions
- Early arrivals need parking or staging space near terminals
- Limited parking and staging space can result in truck queuing.
- Appointment systems manage gate demand and smooth arrivals

Port Perspective

Considerations

- Utilize unused right of way
- Provide dedicated port truck parking
- Use targeted communication to keep drivers informed
- Enforce engine age standards



SECTION 04

Practical Strategies

Solutions Toolbox



Education
Campaigns



On-site and
Off-site Solutions



Model Truck
Parking Ordinances



Monitoring and
Reporting Success



Off-peak
Deliveries



On-Street
Solutions



Community
Involvement

Model Ordinances

- Land Use Tables
- Parking & Loading Requirements
- Site Development Standards
- Landscaping & Screening
- Performance Standards
- Signage Requirements
- Special/Conditional Use Permits
- Development Agreements



Amenities



Drivers Lounge

Seating tables and food/beverage options



Restroom Facility

Facilities with sinks, stalls, showers



Signage

Compliance with sign regulations



Parking Spaces

Designated amenity parking spaces



Idling

No idling under normal circumstances



Electrical Outlets

Provision for use by drivers/operators

SECTION 05

Funding

Funding Sources



Federal

- Bipartisan Infrastructure Law (BUILD, INFRA, Mega, etc.)
- HSIP Program



State

- State DOT Programs
- State Freight Plans and Funds
- State Infrastructure Banks



Local

- Tax Credit Programs
- Municipal Bonds
- Local Transportation Departments
- Private Investors and Developers
- Truck Stop Operators



Private Sector

- Retail and Commercial Development Partnerships
- Corporate Social Responsibility Contributions



Questions?

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2026

Guidebook for Local Truck Parking Regulations

Learn more here!

