



The 2055 Freight Transportation System

FREIGHT INDUSTRY PERSPECTIVES

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- Identified and contacted over 50 corporations
 - Fortune 500 companies headquartered both in and out of Texas
 - Corporations with significant Texas presence



- How are the factors below included in current business models? How do they impact current business models?
 - Demographic factors
 - Global trade patterns
 - Environmental regulations
 - Technology

- A range of factors were included depending on the type of company
 - Aging population cohorts were of concern
- Current business model usage included
 - Investments in technologies
 - Locations of business related facilities
 - Outsourcing decisions

- How do the factors from previous question impact changes in:
 - Freight origins and destinations?
 - Routing patterns & modes used
 - Volume of freight
 - Value changes (e.g., costs, characteristics)

Survey Questions & Response Themes

- National and international freight origins and destinations
- Efforts made to limit distances that freight travels
- Within Texas
 - Trucking is primary mode
 - Desire for additional rail options
- Volumes
 - Impacted seasonally

Limitations between states and internationally

Q: What are the Future Needs of the Freight Transportation System Looking 40 Years Out?

- Business growth could lead to increased freight movement
- Desire for dedicated truck lanes/roadways
- Interest in long haul connected & autonomous trucks
- Interest in truck platooning

Q: What are the Future Needs of the Freight Transportation System Looking 40 Years Out?

- Interest in truck size & weight changes
- More efficient & safer vehicles
- Alternative fuel options for vehicles
- Impact of 3D printing?
- Limited impact from drone technologies

- Many corporations outsource freight transportation
 - Identify these corporations for future involvement
- Challenge was to identify correct corporate contact
- Assisted in expanded outreach (i.e., University of North Texas)