Appendix A Scenario Workshop Materials

Kansas City Regional Freight Study

# **CONNECTED FREIGHT KC 2050**

A Plan in Action



#### Prepared for:

**Mid-America Regional Council** 

In coordination with

Lawrence-Douglas County Metropolitan Planning Organization

#### And

Pioneer Trails Regional Planning Commission

## **Evaluation Criteria for Initiatives, Policies & Funding**

#### Positively impacts quality of life

- Workforce
- Site selection
- Environmental enhancement
- Truck parking accommodations

#### **Resilient and efficient freight operations**

- Proximity to major highways
- Preservation/improvement of the transportation system
- Project coordination (near-term, long-term, aspirational)
- Technological innovations (AI, connected, autonomous, and electrified)

#### **Availability of resources**

- Dedicated freight-focused staff
- Scope alignment for funding pursuits (grants programming)
- Focused collaboration across agencies (departments of transportation, municipal and regional planning organizations, private sector)
- Partnerships for federal funding pursuits

#### Other

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## **CONNECTED FREIGHT KC 2050** A Plan in Action

### **Proactive Planning Toolkit**

The initial draft of the toolkit currently consists of the tools listed below. What's missing?

- Legislative advocacy
- Planning Sustainable Places (PSP) Freight Destination Layer Tool with mapping, project selection criteria, and performance metrics
- Methodology for and mapping of future port locations, intermodal and transload facilities, warehousing and distribution centers, farm-to-market routes, at-grade rail crossing and future spur locations, and anticipated freight areas
- **Resource guide for expected freight operations** tied to artificial intelligence, connected and autonomous vehicles, electrification, crash hot spots, freight bottlenecks, etc.



- Checklist for context sensitive freight development, infill, and street design that addresses first and last mile considerations, truck parking, activity centers, land use, and mobility
- Harvest season traffic counts
- **Public relations tools**, e.g. freight resource guide with data sets, range of employment possibilities, etc., that express freight's meaning to the region and what impacts it
- **Goods Movement Committee (GMC) partnership,** consisting of KC Metro, Lawrence-Douglas County, and Pioneer Trails Regional Planning Commission regions, that pursues funding opportunities, builds connections with businesses, and helps expand the workforce
- Regional freight **symposium** (annual) for brokers, drivers, logistics, warehousing, distribution, agriculture, and government representatives
- Freight-focused duties at each metropolitan planning organization/regional planning commission
- Livability checklist for freight in terms of workforce and housing diversification, accessibility, services, amenities, and buffers
- Enforcement for and education on weigh stations, permitting, truck parking, lane use, etc.
- Traffic Incident Management resources and communication via Kansas City Scout, 511, telephone, etc.
- Other (TBD)



### **Baseline Scenario:**

Using a proactive planning framework, current business continues but what's missing?



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Using a proactive planning framework, current business continues but what's missing?



### Wild Wild West Scenario:

What happens when economic development, technology and logistics growth is unchecked by regulations, land use, economic, minimal decarbonization policies – everything is possible



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### Shifting Patterns Scenario:

Consumer expectations, decarbonization policies, "Amazon Effect," logistic patterns, modal collaborations and partnerships, scalable solutions, las mile partnerships. Is "just in time" a thing of the past or part of the future?







## **CONNECTED FREIGHT KC 2050** Show Me Scenario:

Focus on regional freight growth by implementing initiatives that promote the unique geographic, infrastructure, workforce, and socioeconomic conditions in the Kansas City region in the face of another pandemic, returning rescissions, shortages in manpower, cost increases, markets decrease, stringent decarbonization policies, and supply chain bottlenecks.

