

# Kentucky Freight Program



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2016 Freight Plan  
Based on MAP-21 Guidance

## 2017 Update Freight Plan

Based on FAST Act Requirements

Schedule:

- May 2017 - Additional content per FAST Act
- June 2017 - KFACT & Public Review *(30 days)*
- July 2017 - FHWA KY Review *(up to 60 days)*
- September - FHWA DC Review

# FAST ACT - Freight Plan Requirements

1. Identification of significant freight system trends, needs, and issues
2. Description of freight policies, strategies, and performance measures guiding transportation investment decisions
3. A listing of critical multimodal urban and rural freight facilities and corridors.
4. How the State will help meet the goals of National Freight Policies and Programs
5. Technologies and operational strategies that improve the safety and efficiency of freight movement
6. Description of improvements that may be required to reduce or impede the deterioration due to heavy vehicles
7. Inventory of freight mobility issues and mitigation strategies
8. A freight investment plan with a list of priority projects
9. Consultation with the State Freight Advisory Committee

# FAST ACT - Freight Plan Requirements

- 1. Identification of significant freight system trends, needs, and issues*
- 2. Description of freight policies, strategies, and performance measures guiding transportation investment decisions*
- 3. A listing of critical multimodal urban and rural freight facilities and corridors.*
- 4. How the State will help meet the goals of National Freight Policies and Programs*
5. Technologies and operational strategies that improve freight movement
- 6. Description of improvements that may be required to reduce or impede the deterioration due to heavy vehicles*
7. Inventory of freight mobility issues and mitigation strategies
8. A freight investment plan with a list of priority projects
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# FAST ACT - Freight Plan Requirements

## Freight technologies and operational strategies

- Data Driven Project Prioritization
- Project Level Review - Freight Level of Service
- Riverport Planning Tool
- Congestion / Bottleneck Analysis
- Weight in Motion and Virtual Weight Stations
- Overweight / Over-Dimension Route Surveys
- Truck Parking Info & Management System
- Trimarc & Notify Every Truck System (NETS)
- Freeway Incident Management - Interstate Closure Task Force

# FAST ACT - Freight Plan Requirements

## Inventory of freight mobility issues and mitigation strategies

- Truck Parking Shortage
- Congestion / Bottleneck Analysis using Truck Probe Data
- Operational info from Riverports, Railroads, Airports, Pipelines, etc.
- Regulatory issues, especially considering info from industry partners

## A freight investment plan & project list

- Highway Projects - Part of development of Six Year Plan
- 10% Modal Option - Developing methodology

## State Freight Advisory Committee

- Summer 2017

Freight Level of Service - Highway			
Assessment of Freight Movement Operating Conditions			
Route ID			
Route name where available		Direction	
RT_Unique		Length	
Begin Mile Point		End Mile Point	
<a href="#">County</a>		<a href="#">HDO</a>	
<a href="#">MPO</a>		<a href="#">ADD</a>	
<a href="#">State System</a>		<a href="#">Functional Class</a>	
<a href="#">Nat'l Highway System</a>		<a href="#">Intermodal Connector</a>	
<a href="#">Nat'l Truck Network</a>		<a href="#">KY Truck Network</a>	
<a href="#">Natl'l Highway Freight Network</a>		Tier	
<a href="#">KY Highway Freight Network</a>		Tier	
<a href="#">STAA Route</a>		Weight Rating*	
Truck Comfort Index			
Posted speed limit		Min. Lane Width	
Observed CMV speed		Min. Bridge Rating	
ADT		Min. Vertical Clearance	
ADTT		Min. Horizontal Clearance	
Truck % of All Traffic		Min. Shoulder Width	
CMV crashes last 5 years		Insufficient Turning Radii	
CRF		Narrow Bridge**	
Volume to Capacity		Pavement Condition	
Freight Service Index			
Distance to nearest NTN route		Roadside parking	
Travel time to nearest NTN route		Roadside bike lane	
Seasonal or consistent CMV traffic		Roadside freight delivery lane	
Truck stop on route		First mile / Last mile***	
Dedicated truck parking on route****		Within bottleneck area of influence	
Distance to nearest dedicated truck parking		Lane drops in corridor	

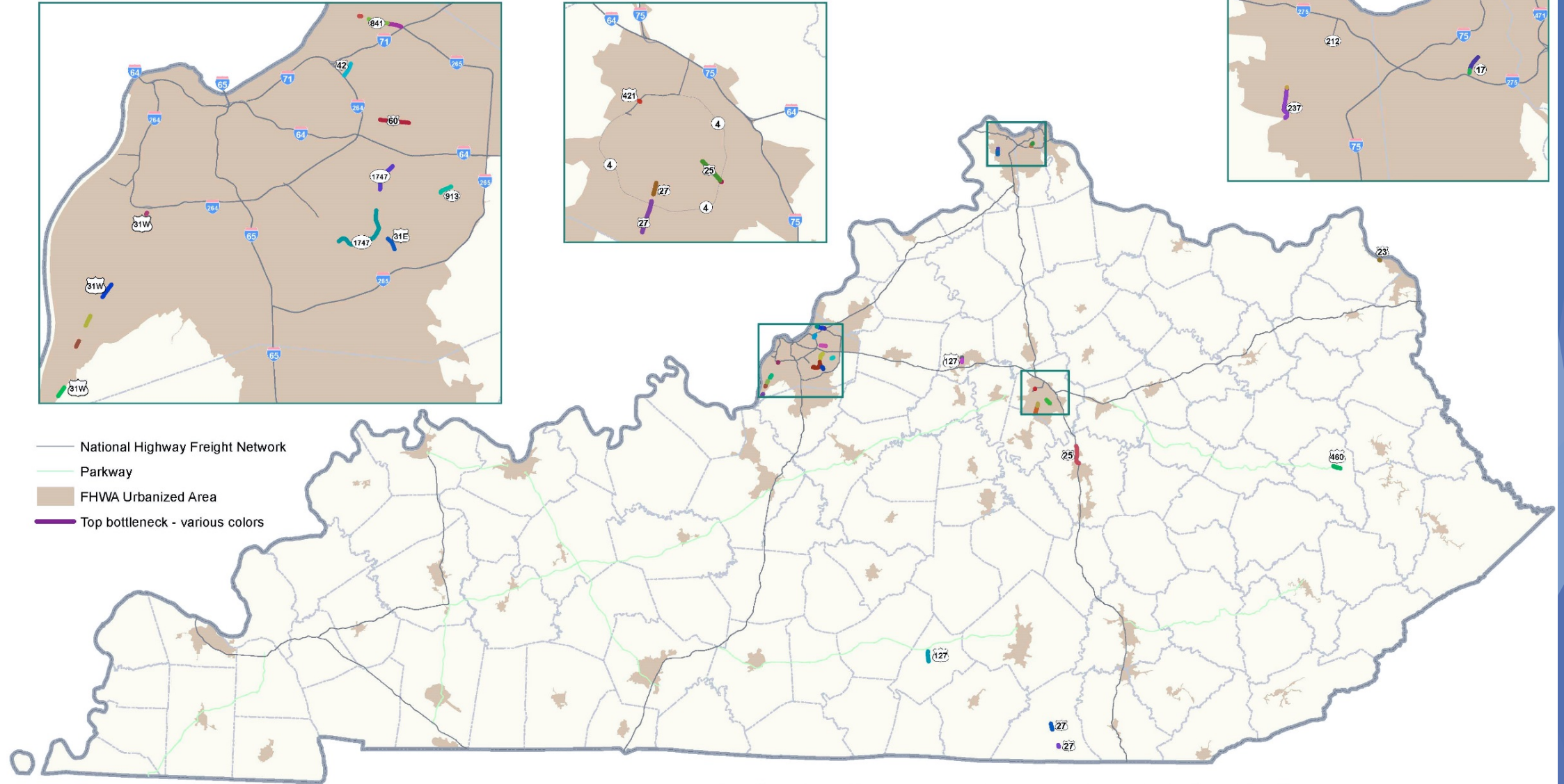


# Riverport Planning Toolkit

Facility Inventory		Beginning January 1, 2017
Acres within Riverport boundary		
Number of Warehouses		
Total Warehouse Capacity		
Approximate Open Air Lay-Down Storage		
Length of RR track within Riverport		
Length of RR track owned by Riverport		
Number of Liquid Storage Tanks		
Total Liquid Storage Tank Capacity		
Number of Grain Bins		
Total Grain Bin Capacity		
Number of State Certified Truck Scales		
Barge Storage Capacity (Vicinity)		
Number of Docks		
Dock Capability		
Number, Type, and Capacity of Cranes		
Does the Riverport have...		Beginning January 1, 2017
... a slackwater harbor?		
... a dock crane?		
... a mobile crane?		
... a river access conveyor?		
... a mobile conveyor?		
... a locomotive?		
... a railroad car mover?		
... rail served warehousing?		
... ability to transfer material across modes?		please explain
Conditions within or nearby the riverport that present operating challenges		please explain



# Kentucky Top Bottlenecks Including Urbanized Areas (Routes Not on National Highway Freight Network)



Each colored line segment represents an individual bottleneck.  
Based on 2015 travel time data for NHS routes.

Map last updated 04/20/2017.



# Overweight / Over-Dimension Route Surveys

## SECTION 2: ROUTE DETAILS - For additional route details attach a separate sheet.

### The following must be considered while physically performing the survey.

- All vertical/horizontal clearance **must** be checked at the highest/widest point of the load and lowest/narrowest of the area where the load will be traveling insuring that all obstructions can be traveled under, over, or ramped safely
- No obstruction can be moved or removed without written permission from the owner.
- A manufacturer's specification drawing must be attached.
- Insure that the weight does not exceed any highway or bridge posted limit.
- All loads over 200,000 lbs must attach a side & rear view drawing with axle spacing & weights.
- Identify all locations where bucket trucks may be needed.

ROUTE (Name / Number)	DIRECTION (N S E W)	LANE OF TRAVEL (Right, Left, Center, Straddle)	NOTES: INCLUDE ALL OBSTRUCTIONS WITH MILE POINTS (i.e. bridges, lights, wires, mast arms, trees, signs, poles, guardrail, railroad, owner of obstruction & contact information if applicable, etc.)

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