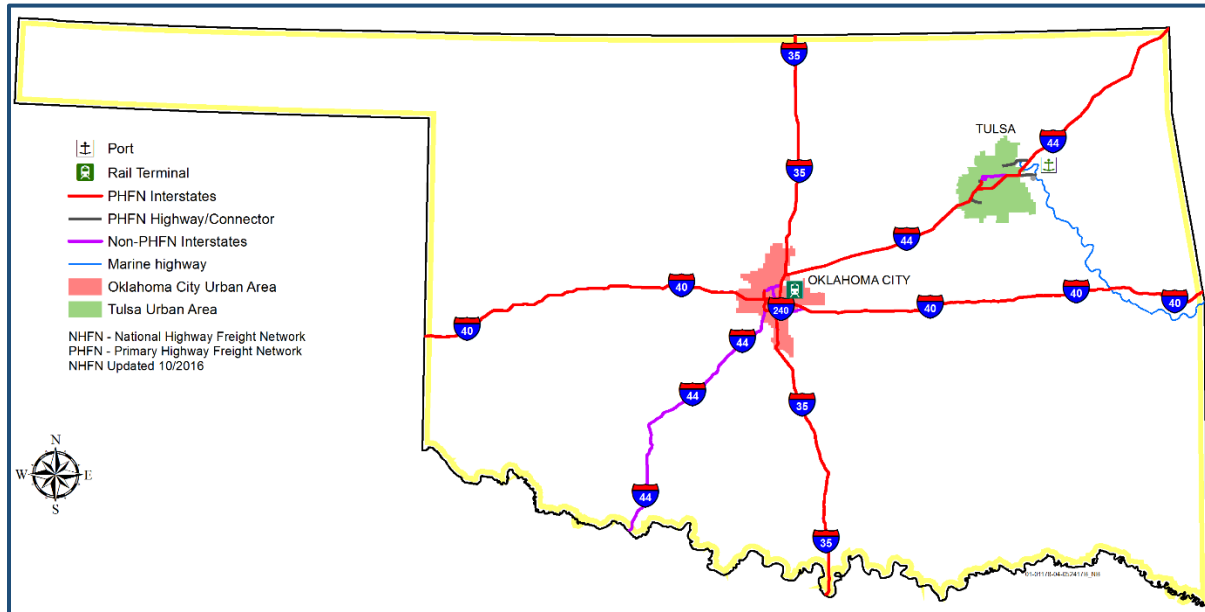


## Chapter 6 Highlights: Freight Network Designation

This portion of the Oklahoma Freight Transportation Plan identifies the Oklahoma National Highway Freight Network (NHFN) and National Multimodal Freight Network (NMFN) designations, and establishes a framework for the Critical Rural Freight Corridors (CRFC) and Critical Urban Freight Corridors (CUFC). The chapter also discusses highway routes used to haul heavy loads.

### Oklahoma Portion of National Highway Freight Network



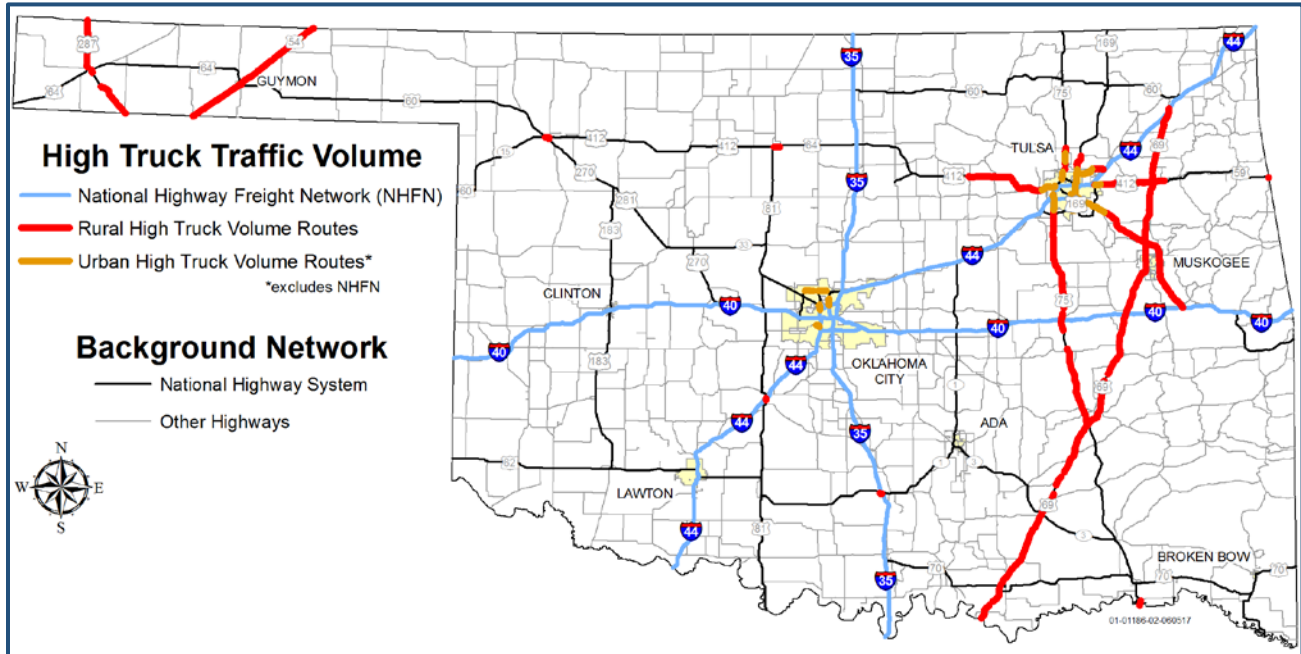
The CRFC and CUFC designations are required for FAST Act compliance and more importantly for project planning and prioritization in the allocation of resources for investment in the State's freight system. Projects on the National Highway Freight Network – which include the interstates and highways shown above, as well as the CRFCs and CUFC - are eligible for use of special formula funds apportioned to the state specifically for this network. The designations are changeable such that emphasis can be placed on a particular location for improvement and when that improvement is accomplished a different segment of highway can be designated as a replacement.

The naming of urban and rural freight corridors is driven by factors such as urban area geography, volume and percentage of trucks as related to total traffic (see **Oklahoma High Truck Volumes** and **Oklahoma High Truck Percentage** route maps), connections to various freight generating businesses, proximity to freight and multimodal facilities such as ports and rail terminals, and anticipated future freight projects.

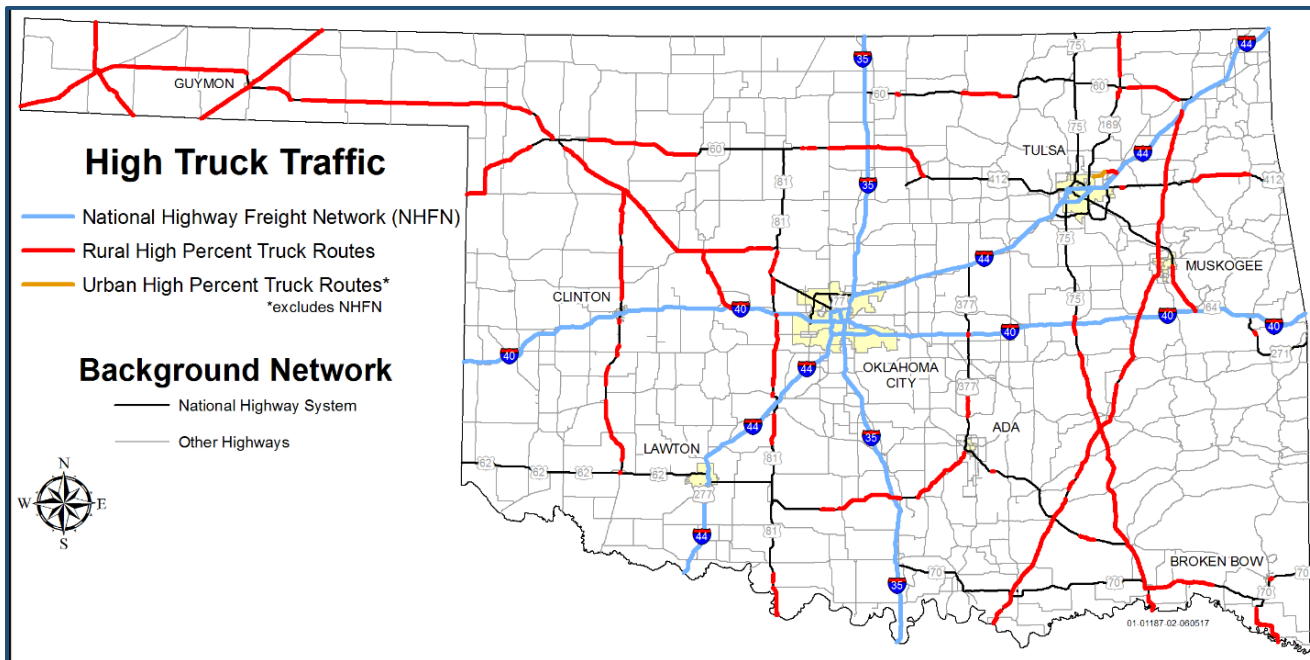
Two sources of proposed Oklahoma DOT highway improvement projects were examined to determine the relationships between proposed projects and potential Critical Rural Freight Corridors. One source is the Oklahoma DOT *FFY-2017 through FFY-2024 Construction Work Plan*; the second is a set of projects Oklahoma DOT Field Division identified as being critical to the movement of freight in the state. Industry stakeholders and regional planning organizations including Metropolitan Planning entities and regional Councils of Government provided input to the process. Recommendations for CRFCs are expected to follow selection of rural freight projects that will use freight formula funds. In the interim, locations on the Oklahoma High Truck Percentage Routes—the more inclusive network—are considered as candidates for CRFCs.

# Chapter 6 Highlights: Freight Network Designation

## Oklahoma High Truck Volume Routes



## Oklahoma High Truck Percentage Routes



## Chapter 6 Highlights: Freight Network Designation

Critical Urban Freight Corridors were recommended by the state's two large Metropolitan Planning Organizations, ACOG (Oklahoma City urban area) and INCOG (Tulsa urban area).

### Recommended Oklahoma City Area Critical Urban Freight Corridors

Entity	Location	From	To	Length in Miles
OKC	MacArthur Boulevard	N. 16 <sup>th</sup> Street	S. 44 <sup>th</sup> Street	4.50
	N. 122 <sup>nd</sup> Street	Santa Fe Avenue	I-235/SH 77	0.45
	Santa Fe Avenue	N. 150 <sup>th</sup> Street	N. 114 <sup>th</sup> Street	2.60
	Reno Avenue	Morgan Road	Western Avenue	9.00
Norman	Flood Avenue	I-35	S. 239 <sup>th</sup> Street (Robinson Street)	3.87
	Eastern Avenue (24 <sup>th</sup> Avenue SW)	S. 209 <sup>th</sup> Street (Tecumseh Road)	SH 9	4.86
OKC	Memorial Road	Santa Fe Avenue	Kelley Avenue	1.01
MWC	Douglas Boulevard	U.S. 62 (N. 23 <sup>rd</sup> Street)	I-40	4.22
OKC	Council Road	I-40	SH 152	3.24
	N. 36 <sup>th</sup> Street	Santa Fe Avenue	Lincoln Boulevard	0.49
	Reno Avenue	I-235	Eastern Ave	1.24
Del City	Sunnylane Road	N. 4 <sup>th</sup> Street	I-40	1.13
Moore	S. 149 <sup>th</sup> Street (S. 19 <sup>th</sup> Street)	Telephone Road	Eastern Avenue	0.76
Yukon	N. 10 <sup>th</sup> Street	Cemetery Road (Garth Brooks Boulevard)	Mustang Road	2.02
<b>Total</b>				<b>39.37</b>

Source: Association of Central Oklahoma Governments

### Recommended Tulsa Area Critical Urban Freight Corridors

Entity	Location	From	To	Length in Miles
Tulsa	SH-51/U.S. 64	IDL/U.S. 75	U.S. 169	7.7
Tulsa	U.S. 169	U.S. 64/ Memorial Drive	SH-266	14.7
Rogers	SH-167	I-44	SH-266	4.8
Tulsa	U.S. 75	OK-364/Creek Turnpike	I-244	7.0
<b>Total</b>				<b>34.2</b>

Source: Indian Nations Council of Governments

## Chapter 6 Highlights: Freight Network Designation

Heavy haul highway vehicles are those that operate at the upper limits, or exceed the established limits, defined by state and federal regulations. This includes the 80,000 pound gross vehicle weight limitation as well as axle loadings that are not compliant with state regulations. Routes that serve heavy-haul equipment are more vulnerable to pavement deterioration and require higher levels of maintenance. Heavy haul traffic is increasing in volume in Oklahoma and nationally. Even though the modes of choice for transport of heavy shipments typically are rail and waterways, almost every origin to destination trip for heavy freight involves some highway travel.

The FAST Act has designated heavy haul routes—including specific commodities such as minerals, agricultural goods, energy products and equipment, and forestry materials—as targets for planning. These specified commodities coincide with major components of the Oklahoma economy. A commodity analysis was completed in conjunction with highway network routes, in order to highlight those areas affected by heavy commodity transport. One such area includes those routes around Oklahoma ports and elsewhere along the McClellan Kerr Arkansas River Navigation System (MKARNS) which are important in the transportation of agricultural products and project cargo related to oil and gas and wind production.

The Oklahoma oversize permitting system is an important aspect of dealing with heavy haul traffic that exceeds the regulatory limits. This was examined along with the particular needs of super loads. Super loads are those with weights and dimensional requirements beyond the routine specifications. An example of a super load would be windmill blades being transported by truck to an installation site. The state maintains a set of designated routes for permitted heavy haul truck traffic.

### Heavy Haul Highway Volumes

