Memphis Urban Area
Metropolitan Planning Organization (MPO)

Regional Freight Plan

December 2016
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Agenda

- Industrial Zones of the Memphis MPO Area
  - Industrial Zones
  - Stateline Industrial Zone Characteristics
- Megaregion Connections across North America
  - Connecting to Peer Regions
  - Gateway City Peers
- Transportation Network Connections
  - Interstate roadways / arterial network
  - Traffic and Safety
- Next Steps
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- Industrial Zones across the Memphis MPO Area
- Zone visits largely completed
- Based on TAZ boundaries, some additional ones may arise as the work progresses
Windshield Survey– New Chicago Industrial Zone

Summary

Land Use Description:
- Commercial, Light Industrial, Abandoned, Vacant
- Residential in eastern portion

Major Employers:
- Worley Brothers Scrap Metal
- Classic American Hardwoods
- KTG USA Paper Products

Major Freight Routes:
- Firestone Ave, Thomas St/ SR 3, N 2nd St
- Heavy Truck Traffic
- Fair to poor pavement and markings with utility poles on shoulder
- CN – Memphis Subdivision, 5 crossings
- Access to interstate from SR 3 or N 2nd St to 101 Connector
- Firestone Ave. access more appropriate for passenger autos

Notes:
- Potential zone redevelopment
- SR 3/ Firestone Ave intersection difficult for turning trucks
- Firestone Ave/ Breedlove St intersection separates industrial and residential
- No gates at RR crossings, many spurs no longer active
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Industrial Use Factors – Stateline Zone Characterization

Technical Site Metrics

- Site Location: East of Interstate 55, South of East Holmes Road, West of Tchulahoma Road, North of Rasco Road

- Total Acreage: 2,918.4 acres (4.56 square miles)

- Total Industrial Rentable Building Area (RBA): 9,314,443 square feet

- Average Industrial Rentable Building Area (RBA): 332,659 square feet

- Number of Properties (By Property Type): 28 total
  - Distribution: 0 properties
  - Manufacturing: 1 property
  - Service: 1 property
  - Truck Terminal: 0 properties
  - Warehouse: 18 properties
  - Other: 0 properties
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Industrial Use Factors – Stateline Zone Characterization

Industry and Economic Sectors

Number of Employees By Sector (2-digit NAICS Codes)
- 2,096 total employees
- 1,255 industrial employees

Number of Employees By Sector (3-digit NAICS Codes)
- Transportation and Warehousing: 618 or 29.5%
- Wholesale Trade: 484 or 23.1%
- Retail Trade: 327 or 15.6%
- Accommodation and Food Services: 197 or 9.4%
- Health Care and Social Assistance: 98 or 4.7%
- Administration & Support, Waste Management and Remediation: 96 or 4.6%

Income Range
- Less than $15,000 annually: 526 (25.1%)
- $15,000 to $40,000 annually: 1,059 (50.5%)
- More than $40,000 annually: 511 (24.4%)

Workforce Characteristics

Education:
- Less than high school: 242 or 11.5%
- High school or equivalent, no college: 548 or 26.1%
- Some college or Associate degree: 523 or 25.0%
- Bachelor’s degree or advanced degree: 243 or 11.6%
- Educational attainment not available (workers aged 29 or younger): 540 or 25.8%
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Regional and Peer City Connections across North America

- El Paso
- Tulsa
- St. Louis
- Louisville
- Nashville
- Oklahoma City
- Kansas City
- Minneapolis / St. Paul
- Cincinnati
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- Regional Developments across North America

Industrial Employment 2007-2014

- Industrial Employment 2007
- Industrial Employment 2014
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- Regional Developments across North America

Megaregion Manufacturing Exports

- Billions

- Manufacturing Exports 2007
- Manufacturing Exports 2014
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- Peer City Characteristics across North America

![Industrial Employment 2007-2014 Graph](image)
• Peer City Characteristics across North America

Manufacturing Exports 2007-2014

- Billions
- Manufacturing Exports 2007
- Manufacturing Exports 2014

Cities: Memphis, Nashville, St. Louis, Louisville, Cincinnati, Tulsa, Oklahoma City, Kansas City, El Paso, Minneapolis
2015 total regional freight, all modes, in dollars
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- 2015 total regional freight, all modes, in tons
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Transportation Network Connections
- Truck trips over seven days

Trip length and connections:
- 24-hours
- Three days
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Transportation Network Connections – Zone Trips

Total Trips

Normalized per Square Mile
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Roadway Network Connections
- Select Link Model Evaluation, Commercial Vehicles, I-40 and I-55 River Bridges

Legend
Black Lines – Commercial Vehicle ADT
Red – Industrial Zones and Points of Interest

Daily Traffic across the I-40 Bridge

Daily Traffic across the I-55 Bridge
Roadway Transportation & Safety

Green – 1 to 25 per quarter mile (pqm)
Yellow – 25 to 100 pqm
Red – Above 100 pqm
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Transportation Network Connections
- Railroad networks

• Regional interchange
• Shifting network demands
• Infrastructure alignment
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Transportation Network Connections
- Railroad at-grade crossings in the region

Legend
Black dots – Crossings with accidents
Brown Dots – At-Grade Crossings
Next Steps

- Consolidate the assessment of transportation access
- Railway & roadway networks
- Inland Waterways & Transshipment
- Examine the agriculture and transport sectors
- I-269 characteristics
- Public sector strategies
- Regional characteristics from the industrial zone clusters
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