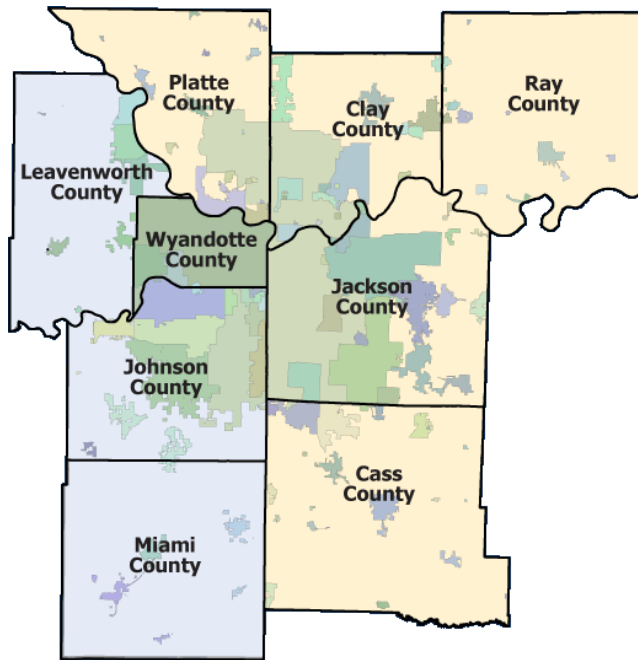


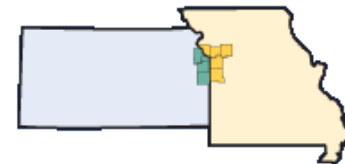
# Mid-America Regional Council (MARC)

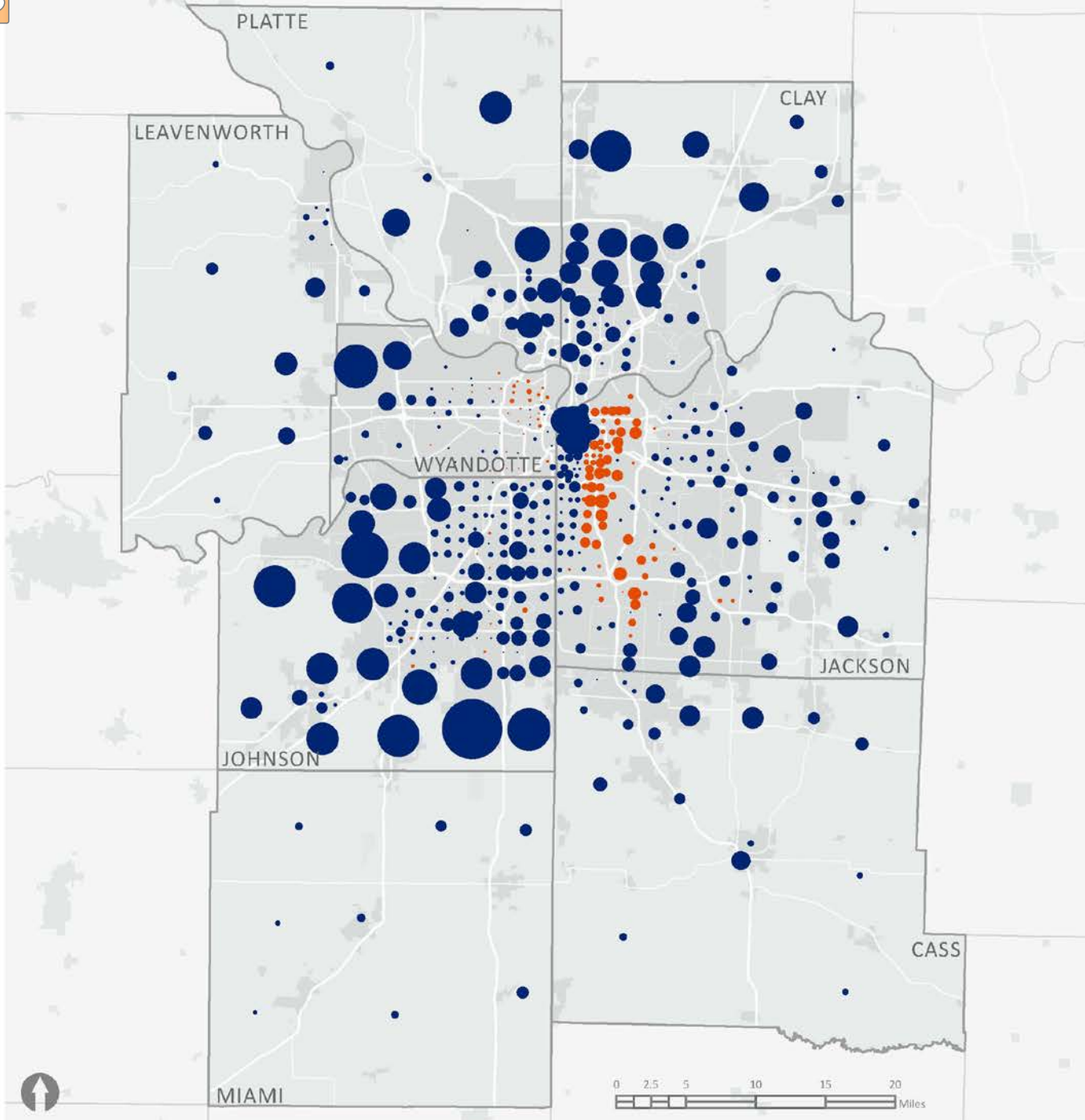
MPO for the Greater Kansas City Area

# The Kansas City Region



- Two states
- Nine counties
- 119 cities
- 1.9 million people
- 4,400 square miles



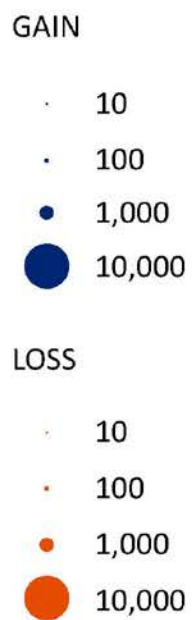
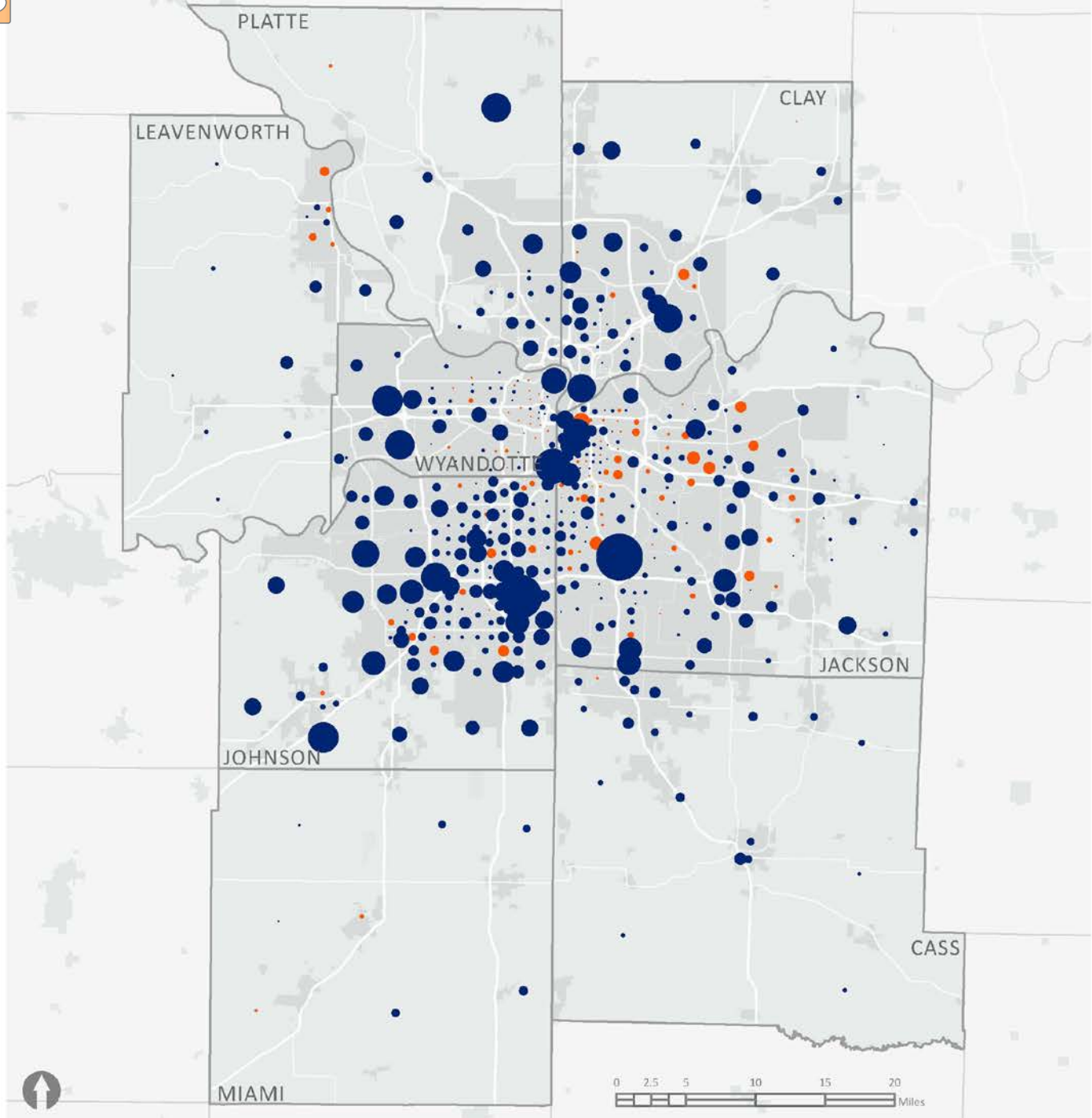


# Population Change from 2010 to 2040 by Census Tract





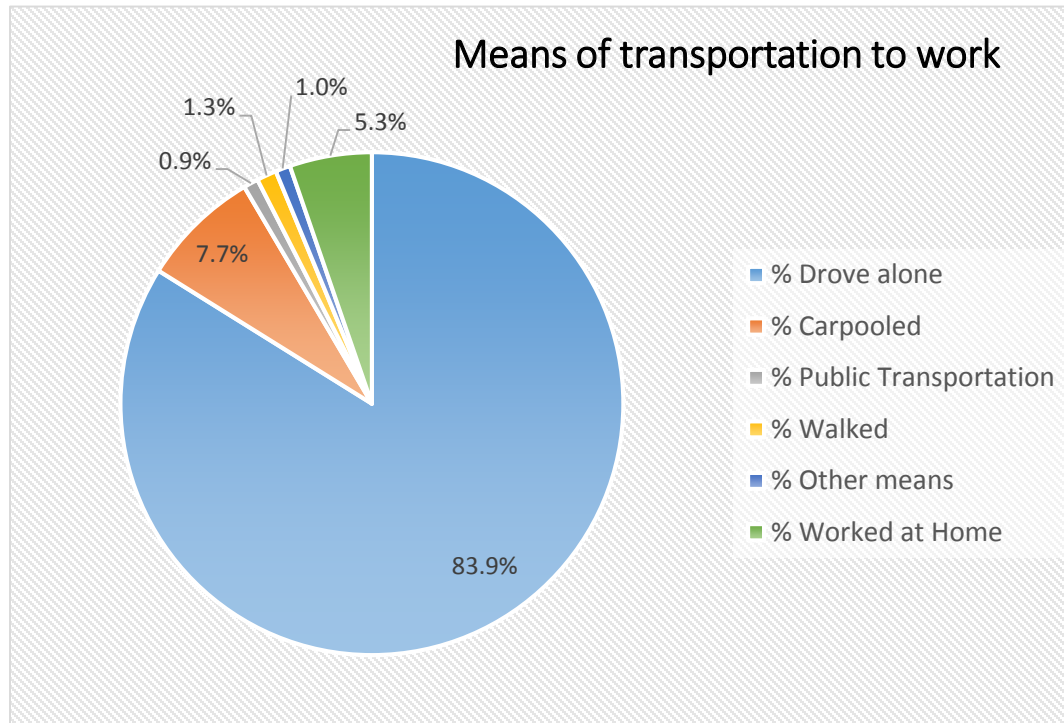
# Employment Change from 2010 to 2040 by Census Tract



# Regional TSM&O partners

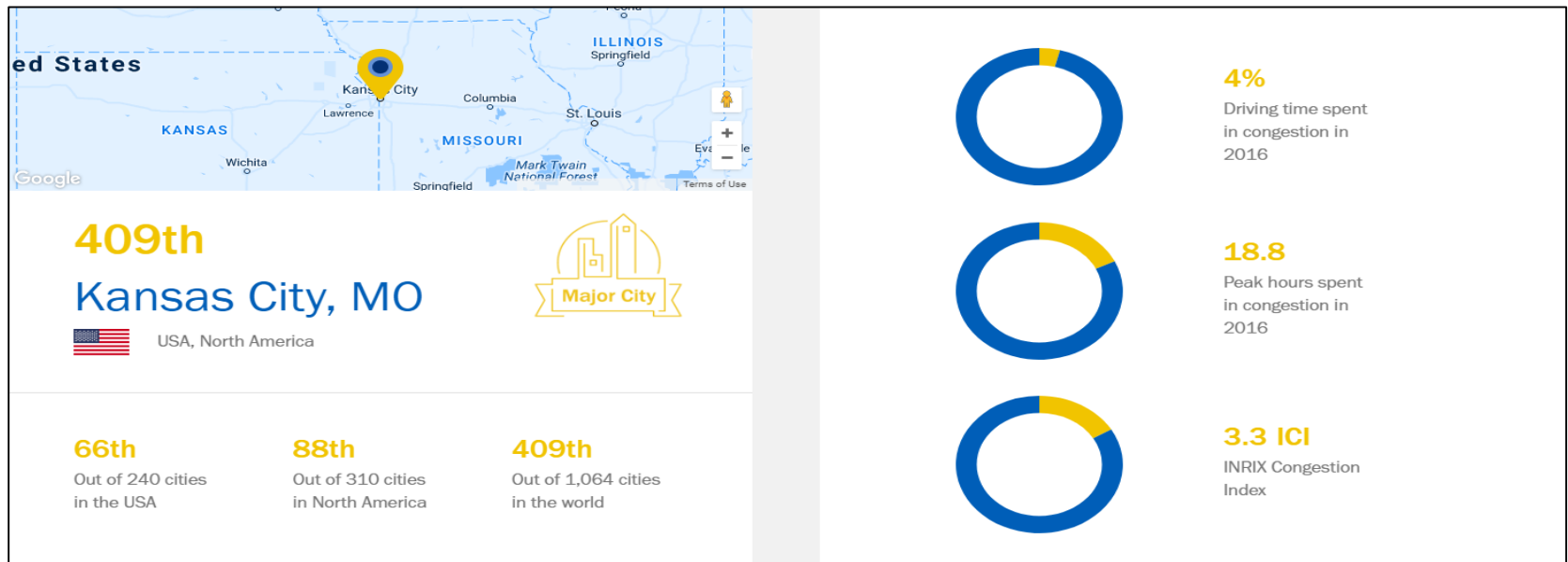


# How we commute



Source: 2016 ACS 1-year estimates

# Traffic in Kansas City

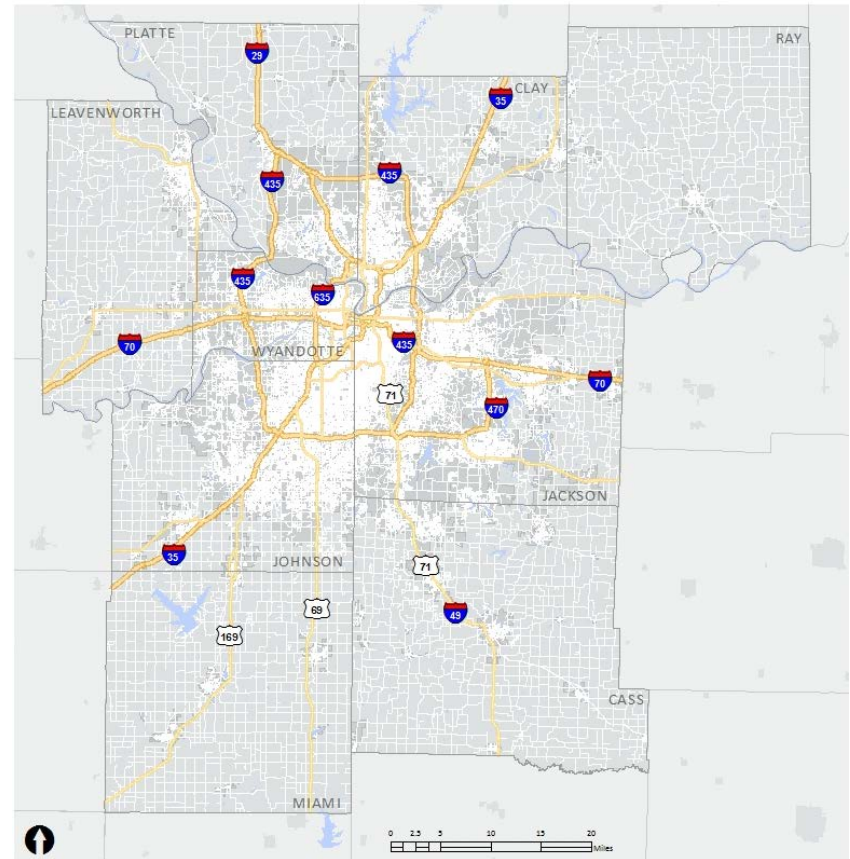


Source: INRIX 2016 Traffic Scorecard



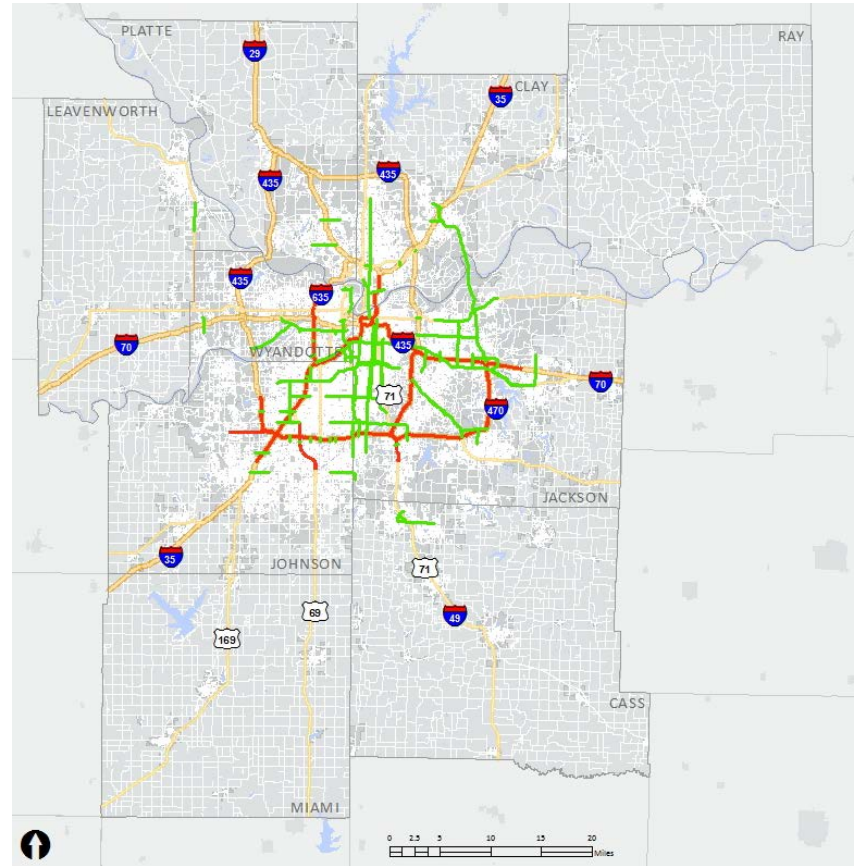


# Transportation system: Highways



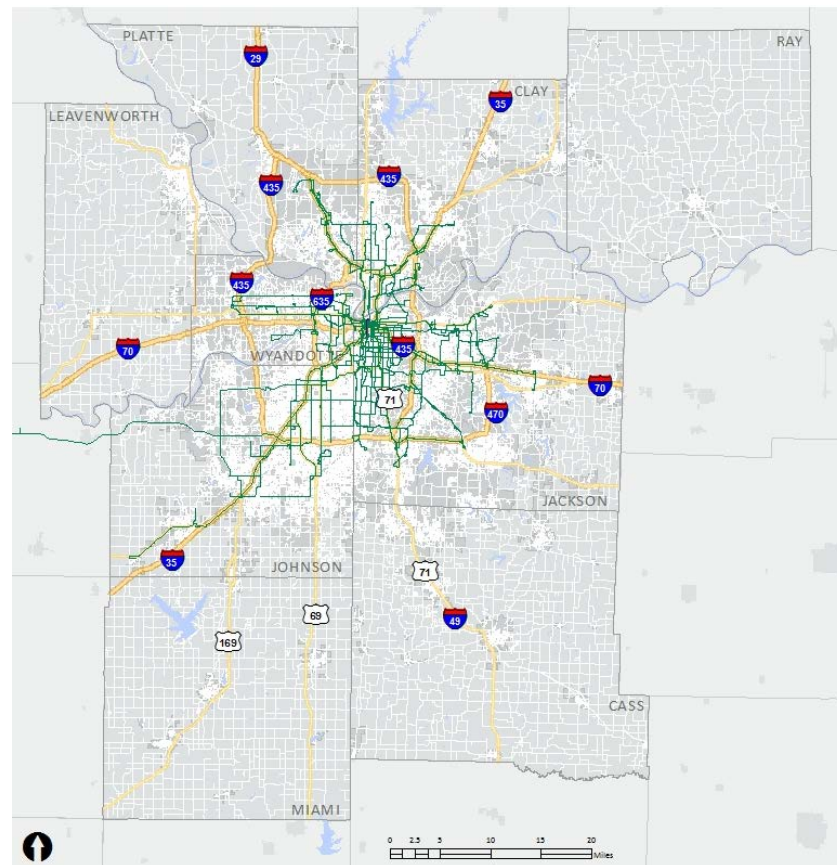


Transportation  
system:  
KC Scout and  
Operation  
GreenLight



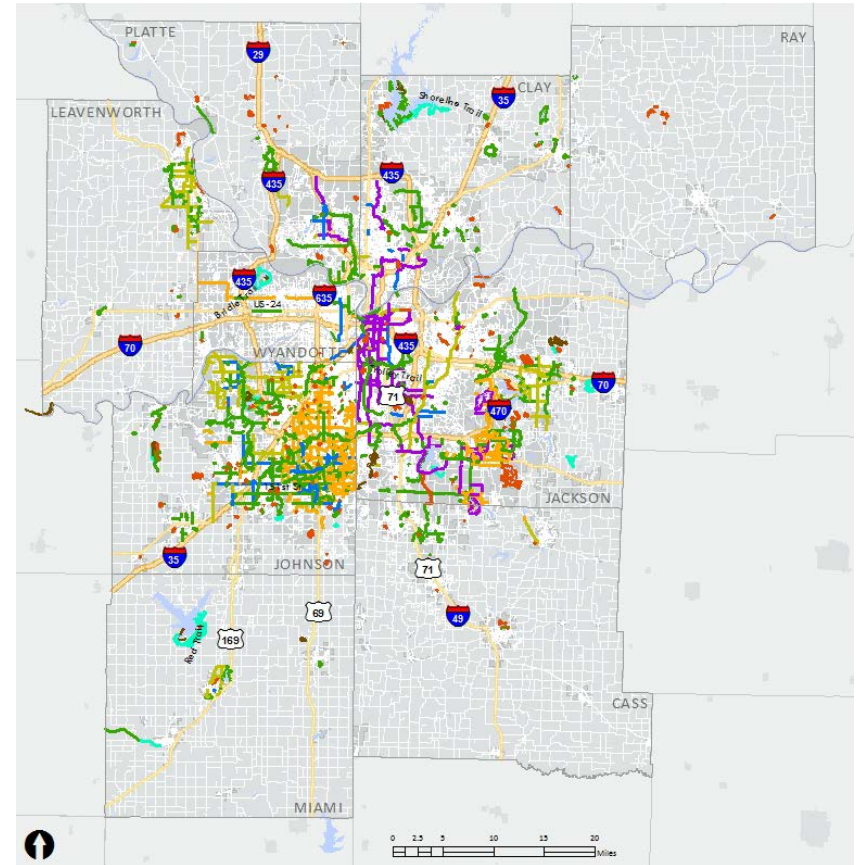


# Transportation system: transit



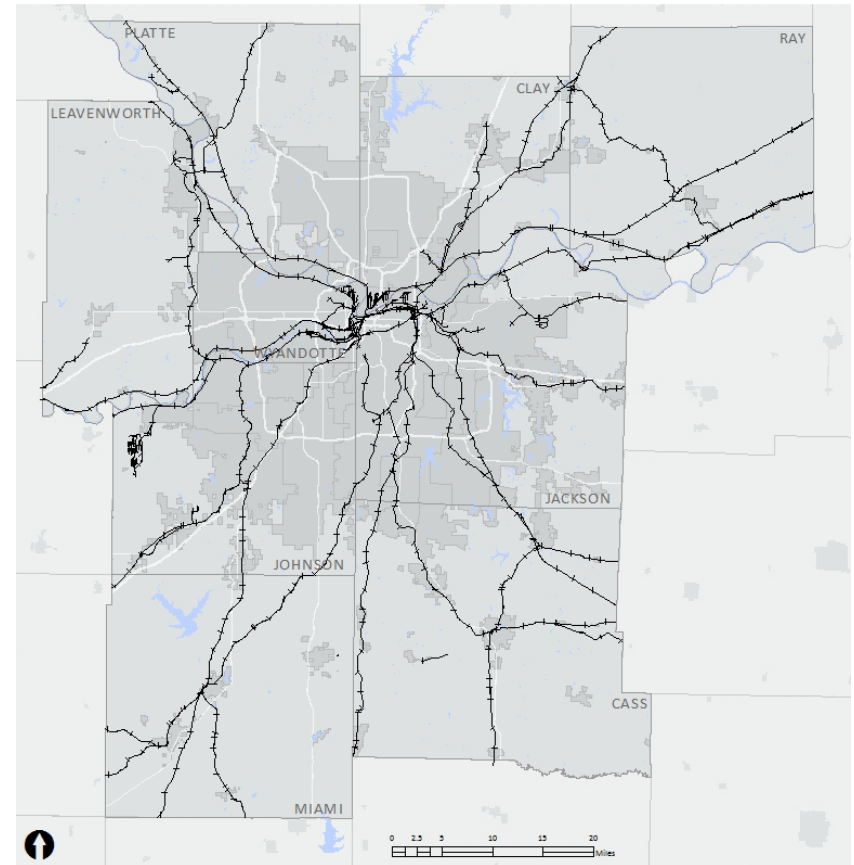


# Transportation system: bikeways



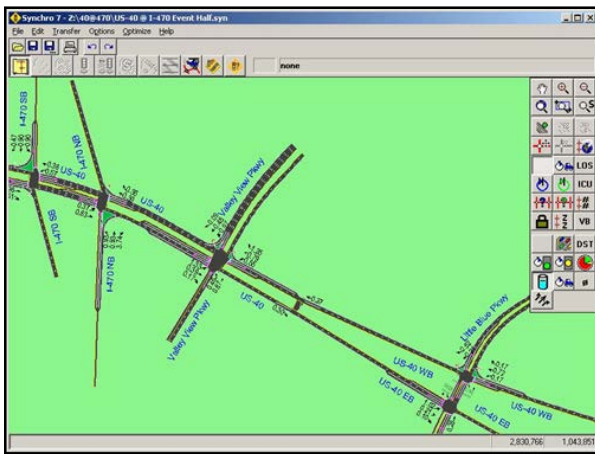


# Transportation system: rail



## ***Mission:***

Operation Green Light monitors and manages the existing transportation system through safe and efficient traffic signal operations to reduce travel time, fuel consumption and air pollution.



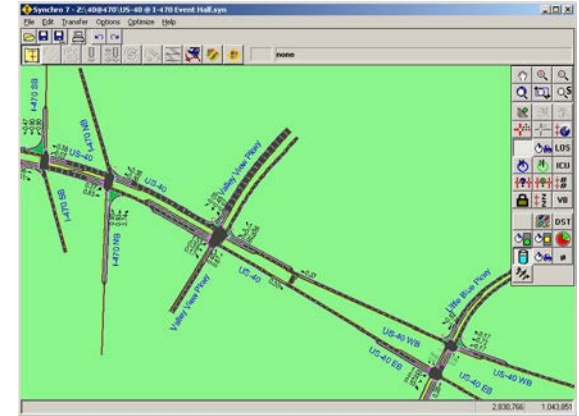
## ***Program Elements:***

- Traffic Signal Timing / Coordination
- Regional Communication Network
- Advanced Traffic Signal Management Software (TransSuite)



## What OGL Does

- Dedicated Operations Staff
- Incident Mgt. and Work Zones
- \$1.2M Program Budget
  - Field Communications Network
  - Regional Signal Software (TransSuite)
  - Signal Timing & Troubleshooting
- 700 OGL Intersections (+ non OGL)
  - City of KCMO has 202 using OGL services
  - Many more using TransSuite







504.xpl - ATMS Explorer

Intersection # 223503  
M-58 & E Outer Rd

TransCore Unified Controller Manager

Section Id: 2235 Main Street: MO-58

Int 170003 - MO-58 & Foxridge - Tran

File View Options Int Commands Help

Devices Sections Schedule Command List

TCS 1 - MARC

- Jur 1 - KCK
- Jur 2 - Shawnee
- Jur 3 - Merriam
- Jur 4 - Mission
- Jur 5 - Belton
- Jur 9 - Lenexa
- Jur 13 - Leawood
- Jur 14 - Gladstone
- Jur 15 - North Kansas City
- Jur 16 - Liberty
- Jur 17 - Raymore

Intersections

- Int 170001 - MO-58 & Kentucky (Lowes)
- Int 170002 - MO-58 & Mott
- Int 170003 - MO-58 & Foxridge
- Int 170004 - MO-58 & Johnston
- Int 170005 - MO-58 & Sunset
- Int 170006 - MO-58 & Madison

Sections

- Jur 18 - Independence
- Jur 21 - Lees Summit
- Jur 22 - MODOT
- Jur 23 - KCMO
- Jur 24 - Leavenworth
- Jur 25 - Lansing
- Jur 26 - Bonner Springs
- Jur 99 - KCP&L
- Jur 100 - OGL
- Jur 122 - MODOT - Event Center

Comm Servers

Count Stations

Arterial Links

External Systems

Copyright (c) 2014, TransCore ITS LLC Dev Filter: OFF Ctrlr: Online = 489 Offline = 25 DevFail = 7 CommF

Intersection Report

Int	Description
170003	MO-58 & Foxridge

Detailed Info Timing Timing Plans

Cycle Ctr	Ref Ctr	Start
25	56	03/27/14

	1	2
Phase State	●	●
Curr Cyc (sec)	0	22
Last Cyc (sec)	0	36
Min Time (sec)	6	10
Max Time (sec)	8	-
Peds		⚠

	A	B
Veh Overlap State	○	○
Curr Cyc (sec)	0	0
Last Cyc (sec)	0	0

Act Det	1	2	3	4
Act Det	17	18	19	20
Act Det	33	34	35	36

Security Desk | Monitoring | Search | K7 & Fairlane | Annex Cam1 - Camera - 01 | M291 @ 39th Street M291SBC-01 | US-71 NB & Gregory Blvd | M-350 & Gregory Blvd | SheratonNE1 | Mon 10:56 AM

1 K7 & Fairlane 2015-03-30 10:57:40

2 Annex Cam1 - Camera - 01

3 M291 @ 39th Street M291SBC-01  
M291 @ 39th St (106) 2015-03-30 10:56:58

4 US-71 NB & Gregory Blvd

5 M-350 & Gregory Blvd

6 SheratonNE1

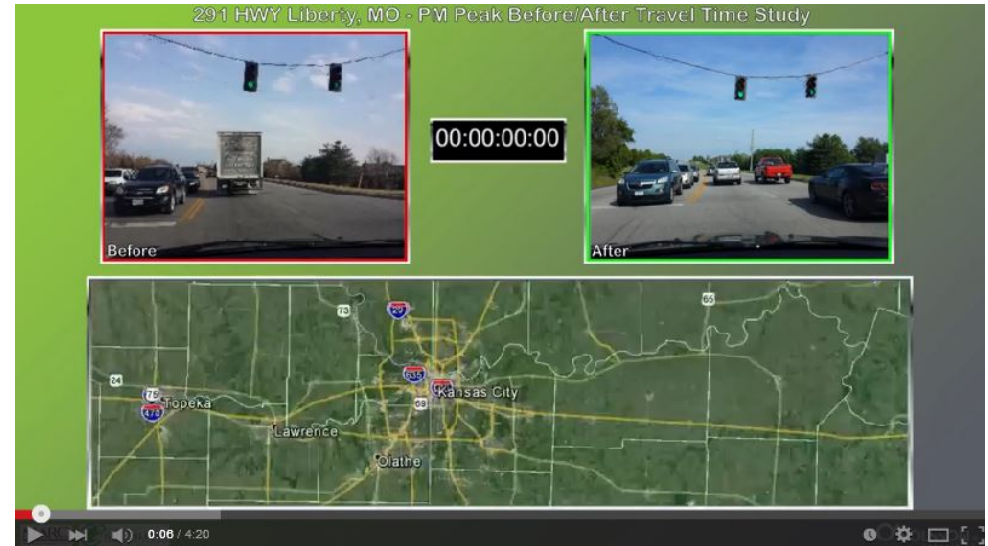
Hide logical view | Monitored entities (0) | Synchronize video | Change tile pattern | Clear all | Show dashboard



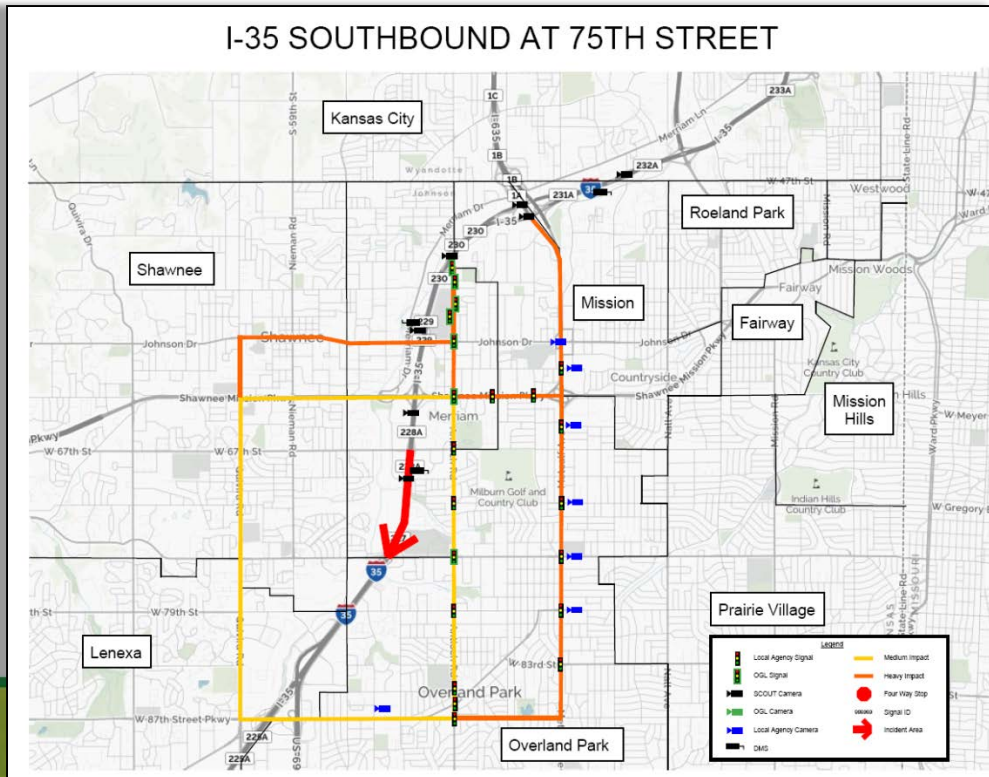
## Signal Coordination Benefit Example

M-291

- 28,000 ADT
- 14 Signals
- 5.5 Mile Corridor
- \$702,000 Savings / Year
- Benefit / Cost Ratio 28:1



- Working with the Kansas City Scout freeway management system helps better **respond to traffic incidents**



CCTV DOT#: K435EBC-08  
 Location: I435 E  
 Cross Street: LAMAR AVE  
 County: JOHNSON  
 Logmile: 2.77  
 Cabinet DOT#: K435EBCA-23  
 Status: Not Known

SNAPSHOT  
 Enable  
 Disable

Camera Control  Video Wall

Zoom/Focus Speed: Medium Pan/Tilt Speed: Medium

Slow Medium Fast Slow Medium Fast

ZOOM FOCUS IRIS PAN / TILT  
 Auto  Auto

## ***For More Information:***

Ray M. Webb, PE, PTOE

OGL Program Manager

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[www.marc.org/transportation/ogl](http://www.marc.org/transportation/ogl)

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Kansas City, MO 64105

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(816) 474-4240

