



**69** *EXPRESS* 

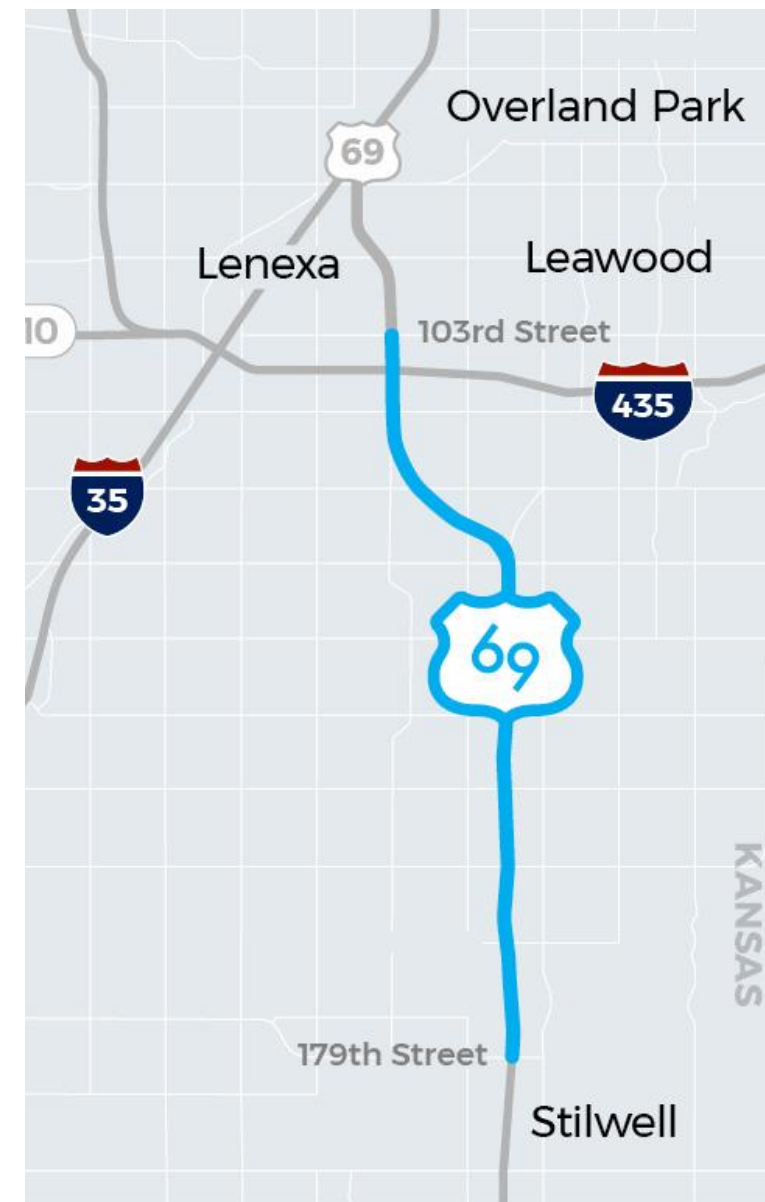
**ADVISORY GROUP  
MEETING 3**

**February 23, 2021**

# What alternatives for improving U.S. 69 are being studied?

# IMPROVEMENT ALTERNATIVES

- No-Build
- Improvement of Alternative Routes
- Existing Capacity Management
  - Transportation System Management (TSM)
  - Transportation Demand Management (TDM)
- Multimodal
- Add Capacity – General Purpose Lanes
- Add Capacity – Express Toll Lanes



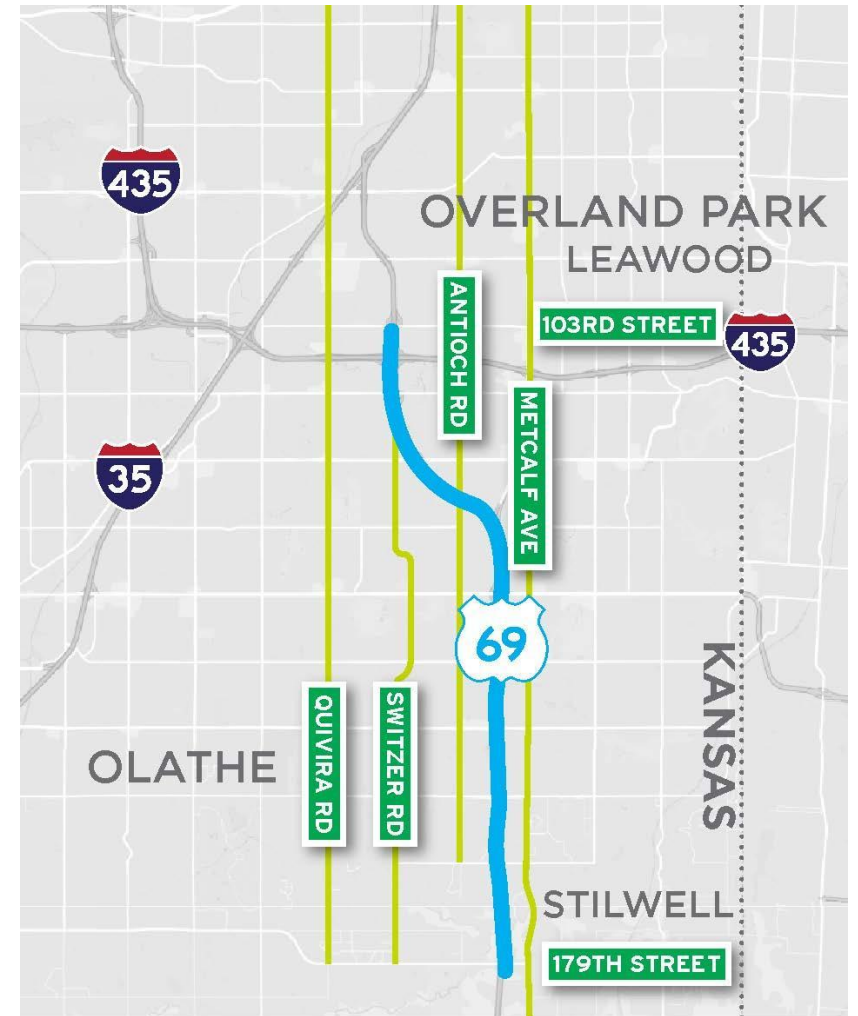
# NO-BUILD

- No capacity improvements
- Ongoing rehabilitation and maintenance only
- Includes currently planned and committed projects:
  - U.S. 69 NB Bridge at 179<sup>th</sup> St
  - U.S. 69 Guardrail End Terminal Updates



# IMPROVEMENT OF ALTERNATIVE ROUTES

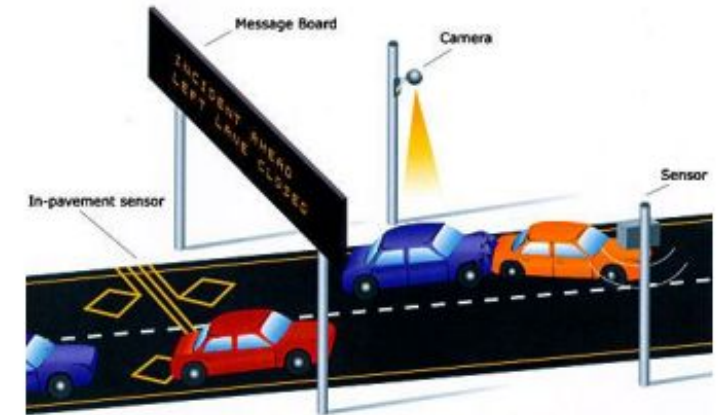
- Improvements to parallel and supporting arterial roadways
  - Metcalf Ave, Antioch Rd, Switzer Rd, Quivira Rd
- Requires Local (City and County) and Transit Agency Commitments
- Strategies
  - ITS and Signal Coordination
  - Arterial Capacity Improvements
  - Transit Improvements



# EXISTING CAPACITY MANAGEMENT

- Low cost/impact strategies for safety, mobility, bottlenecks
- Transportation Systems Management Strategies
  - Intelligent Transportation Systems (ITS) and other technologies
  - Ramp Metering
  - Queue Warning Systems
- Traffic Demand Management Strategies
  - Carpooling – HOV
  - Staggering Work Shifts
  - Telecommuting

KC Scout Traffic Management Components



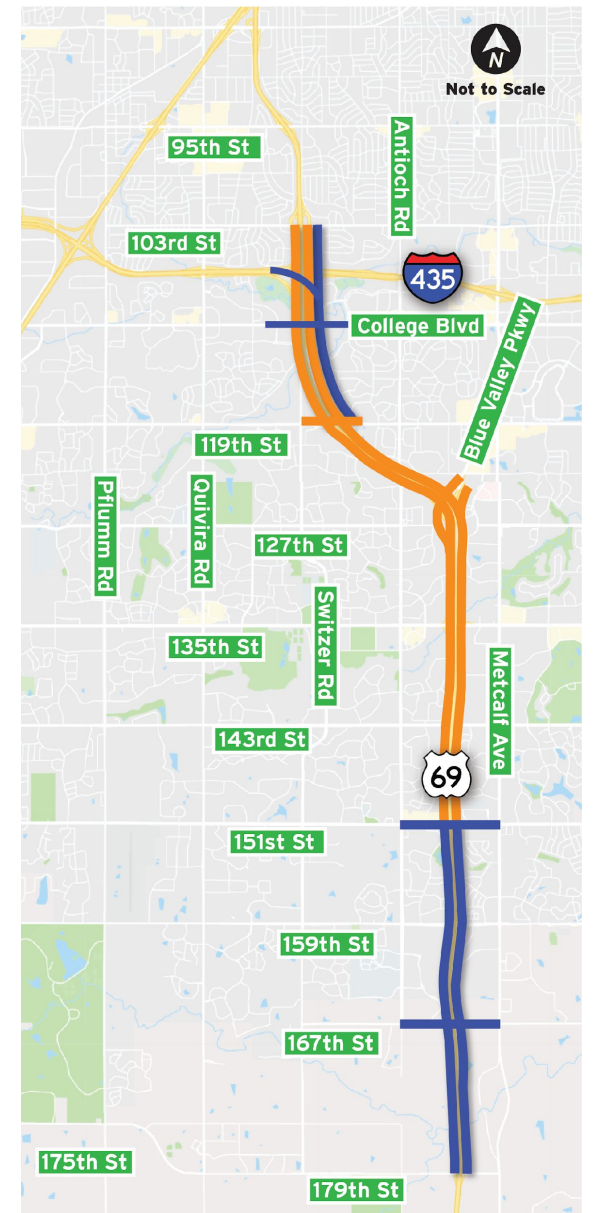
# MULTIMODAL

- Increase effectiveness of transit and other multimodal operations
- Improve roadways or shoulders for better multimodal connections
- Increase frequency and number of transit routes
- Improve Bike and Pedestrian Facilities
- Requires transit agency commitments
- Typical Strategies:
  - Bus-on-Shoulder
  - Light/Heavy/Commuter Rail
  - Bus Rapid Transit/Micro Transit/Transit on Demand
  - Park and Rides



# ADD CAPACITY – GENERAL PURPOSE

- Add additional lane in each direction for all motorists
- Add collector/distributor roads and auxiliary lanes
- Reconfigure interchange at I-435
- Reconfigure interchange at Blue Valley Parkway
- Improvements to local interchanges and supporting cross streets
- Includes reconstruction of existing pavement and bridges





# ADD CAPACITY – EXPRESS TOLL LANES

- Add additional lane in each direction as an express toll lane with defined entrance and exit locations
- Congestion management through lane pricing, access and vehicle eligibility strategies
- Add collector/distributor roads and auxiliary lanes
- Reconfigure interchange at I-435
- Reconfigure interchange at Blue Valley Parkway
- Improvements to local interchanges and supporting arterial cross streets
- Includes reconstruction of existing pavement and bridges

# What alternatives for improving U.S. 69 are being studied?

# PURPOSE AND NEED

- **Improve Safety**

- Reduction in number and severity of congestion-related crashes
- Improve Bicycle and Pedestrian Safety at Crossroad Arterials

- **Reduce Congestion**

- Change in Travel Level-of-Service (LOS) on U.S. 69
- Change in Travel Speed
- Change in Corridor Throughput



# PURPOSE AND NEED

- **Promote Sustainability**

- Change in Roadway and Bridge Condition
- Change in Travel Time Reliability
- Support Environmental Sustainability
  - Support green infrastructure, environmental stewardship and resiliency
  - Decrease project-related energy and greenhouse gas emissions



**Alternatives will be evaluated on how well  
they address elements  
of the Project's purpose and need**

# PURPOSE AND NEED

- **Provide Flexible Choices**

- Long-term Corridor Operations Flexibility and Adaptability
- Access and Connectivity to Bicycle and Pedestrian Facilities
- Reliability for Transit Riders

- **Support Local and Regional Growth**

- Compatibility with Local (City and County) Planning
- Compatibility with Regional (MARC) Planning
- Employment Equity

# NATURAL AND HUMAN ENVIRONMENT

- Park and Recreational Area Impacts
- Community Facilities Impacts
- Environmental Justice Impacts (Low Income and Minority Populations)
- Noise Impacts



# NATURAL AND HUMAN ENVIRONMENT

- Natural Resource Impacts (Wetlands, floodplains, critical habitat, threatened and endangered species)
- Hazardous Material Impacts
- Cultural and Historical Site Impacts
- Air Quality, Emissions and Energy Impacts
- Indirect and Cumulative Impacts





# ENGINEERING AND COST

- Roadway and Interchange Geometrics
- Right-of-Way Impacts
- Residential or Business Displacements
- Timing of Construction
- Ease of Project Phasing, Maintenance of Traffic and Constructability
- Estimated Construction Costs
- Estimated Life-Cycle Costs
- Funding Confidence



**69** *EXPRESS* 

**LEARN MORE AT:  
WWW.69EXPRESS.ORG**