Transportation Project Planning
Welcome

Report of the
21st Century Missouri Transportation System Task Force

Recommendations to support economic competitiveness, transportation reliability, and highway safety
Opportunities for Potential Funding

- Proposition D
  - State Share - $288 Million
  - Local Share - $124 Million ($62 Million City/$62 Million County)

- Cost Share Opportunities

- Federal
Kansas City District Update

Interstates & Major Routes

818 Centerline Miles
90% Good Pavement Condition
85% of District Travel
Kansas City District Update

Minor Routes (Over 400 Vehicles/Day)

1,567 Centerline Miles
76% Good Pavement Condition
14% of District Travel
Kansas City District Update

Low Volume Routes (Less Than 400 Vehicles/Day)

691 Centerline Miles
75% Good Pavement Condition
1% of District Travel
Kansas City District Update

State Bridge Conditions

- Good, 541
- Fair, 773
- Poor, 108

1,422 Total Bridges
Kansas City District Update

Poor and Weight Restricted Bridges

- 108 Poor Bridges
- 198 Weight Restricted Bridges
- 39 Both
Kansas City District Update

Safety

Number of Fatalities

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Fatalities</th>
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<tbody>
<tr>
<td>2014</td>
<td>128</td>
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<tr>
<td>2015</td>
<td>148</td>
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<tr>
<td>2016</td>
<td>167</td>
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<tr>
<td>2017</td>
<td>198</td>
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Kansas City District Update

PM Congestion
Unfunded Needs

HIGH-PRIORITY UNFUNDED ANNUAL TRANSPORTATION NEEDS
$825 million

- $95 million: Improve Bridge Conditions
- $50 million: Improve Road Conditions
- $25 million: MoDOT Maint. & Operations
- $275 million: Invest in projects that increase economic growth and improve safety
- $300 million: Major Interstate Reconstruction
- $80 million: Improve Multimodal Transportation Options
Local Priorities Discussion
Mid America Regional Council

Kansas City Region Metropolitan Planning Organization

Missouri State System Priorities – October 30th, 2018
Who is MARC?

Metropolitan Planning Organization:

- *Two States*
- *Eight Counties*
- *110 Cities*
- *2 million people*
- *1 million workers*
"Greater Kansas City is a region of opportunity. Its robust economy, healthy environment and social capacity support the creativity, diversity and resilience of its people, places and communities."

Approved by the MARC Board of Directors, May 2018
Needs Assessment

- Centers and Corridors Focus
- Economic Vitality
- Access to Opportunity
- Transportation Choice
- Public Health and Safety
- Healthy Environment
- Data and Technology
- Financial Sustainability

Each stated need includes:
- Need statement
- Current challenges for RTP to address
- Measures
- Leadership
Missouri State System Priorities

• Safety
• System Preservation
• System Reliability
• Transportation Choice
• Green Infrastructure
Safety Needs

Safety Needs
- 945 - 1,299
- 1,299 - 1,504
- 1,930 - 3,123
- 3,224 - 4,512
- 4,513 - 5,157

[Image of a map showing safety needs distribution]
Bridge Condition

Bridge Condition
- Poor
- Fair
- Good
NHS Pavement Condition

Pavement Condition
- POOR
- FAIR
- GOOD

[Map showing pavement conditions with regions marked in red, yellow, and gray]
Travel Time Reliability

Level of Travel Time Reliability
- 1.0 - 1.25
- 1.25 - 1.5
- 1.5+
Truck Travel Time Reliability

Truck Travel Time Reliability
- 1.500001 - 0.450000
- 1.250001 - 1.500000
- 1.050000 - 1.250000
Future Congestion

Future Congestion

1.0 - 1.25
1.25 - 1.5
1.5+
State System Project Priorities
State System Project Priorities

#1 Buck O'Neil Bridge
US 169 Corridor
## Other State System Project Priorities

<table>
<thead>
<tr>
<th>Priority</th>
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<tbody>
<tr>
<td>Implement preferred strategies from I-70 STEIS (Jackson/Benton curve, fix bottlenecks, bridges)</td>
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<tr>
<td>Interchange improvements at I-70/I-470</td>
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<tr>
<td>Add Lanes and interchange improvements on I-29/I-35 in Kansas City (I-29 from MO 210 to I-635 and I-35 from MO 210 to I-435)</td>
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<td>Interchange improvements at I-49/Rte 58 interchange in Belton</td>
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<td>US 50 and MO 291 North interchange, replace bridges and modify designs</td>
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<td>Regional intersection improvements by constructing turn lanes and other traffic flow improvements.</td>
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Questions

Ron Achelpohl
Director, Transportation & Environment
Mid-America Regional Council
rona@marc.org
816-474-4240
### Pioneer Trails RPC Prioritization Process

#### Road and Bridge PTRPC Needs List 2018

<table>
<thead>
<tr>
<th>Status</th>
<th>Priority</th>
<th>County</th>
<th>City</th>
<th>Need</th>
<th>Route</th>
<th>Location</th>
<th>TWAY ID</th>
<th>begin log</th>
<th>end log</th>
<th>2016 AADT</th>
<th>2016 Crash Rate</th>
<th>Severity Rate</th>
<th>Final Score</th>
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#### Bycicle and Pedestrian/Public Transit Needs List 2018

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#### Long Range PTRPC Needs List 2018

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<th>Status</th>
<th>Project Type</th>
<th>County</th>
<th>City</th>
<th>Need</th>
<th>Route</th>
<th>Location</th>
<th>TWAY ID</th>
<th>begin log</th>
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2018 Transportation Needs List

**Road and Bridge**

I. Interchange Improvements to US 50 and BUS Rte. 13 (Maguire St.) – Johnson County  
II. Intersection Improvements to US 65 and Rte. 765 – Pettis County  
III. Safety improvements to the intersection of MO 13 and Hwy E – Johnson County  
IV. Interchange Improvements and Bridge Replacement at I-70 and MO 131 – Lafayette County  
V. Intersection Improvements to US 50 and County Rd. 1801 – Johnson County

**Bike and Pedestrian/Public Transit**

I. Construct pedestrian overpass over US 65 between Marshall Highschool and Walmart – Saline County  
II. Spirit Trail Construction. E Hale Lake Rd. to Knob Noster State Park Boundary at Bristle Ridge – Johnson County  
III. Railroad improvement and spur construction for public development access – Pettis County  
IV. Retention of Amtrak Rail Line – Johnson County  
V. Connect the Katy Trail. UP Tracks between E. 3rd St. to Boonville St. – Pettis County

**Long Range**

I. Upgrade MO 13 to 4 lanes from I-70 to Warrensburg – Johnson County  
II. Reconfigure interchange of I-70 and US 65 (Marshall Junction) – Saline County  
III. Add lanes to US 50 from Sedalia to Morgan County Line – Pettis County  
IV. Add lanes to increase capacity on MO 13 from I-70 to Lafayette County line – Lafayette County  
V. Construct two lane with shoulders US 65 North to US 50 E (Plan and Purchase) – Pettis County
Road and Bridge: total of 20 projects
Interchange/intersection improvements – 10 (5 programmed [including scoping] with MoDOT)
Resurfacing – 1 (Zero Programed)
Roadway/Safety Improvements – 8 (Zero Programed)
Bridge Replacement/Improvements – 1 (Scoping)

Bike Ped/Public Trans: total of 9 projects
Public transportation – 4 (two ongoing, two not programmed)
Bike/Ped – 3 (Zero Programmed)
Trails – 2 (1 under construction)

Long Range: total of 18 projects (Zero Programmed)
New Construction - 3
System Improvements – 15
Safety Improvements

Mo Hwy 13 & Hwy E Intersection

South

North

Mo Hwy 13
I-70 and MO 131 (Odessa MO)
Sedalia Rail Spur & NW/NE Bypass
Marshall MO Overpass over US 65 from High School to adjacent Shopping Center

- Lack of sidewalk infrastructure need identified by Juniors at local High School.
- Research was done jointly between students, City Admin., County Economic Development, and County Career Center
- Information was presented to the city and has been continuously ranked high on the Saline County project needs since 2016.
I-70 and US 65 Junction (Marshall Junction)
Ray County

• Traffic Signal Improvements on MO 13 and Main St. (Richmond)
• Intersection improvements at Mo 13 and South Street (Richmond)
• Overlay and shoulders, add rumble strips on Mo 13 from Caldwell County line to South of Bus. 13.
• Minor road resurfacing at various locations.
• Sidewalk construction on Route D in Lawson and on Mo 13 in Richmond.
Next Steps

• **November – March 2019** – Districts work with Planning Partners to prioritize needs

• **May 2019** – Draft STIP presented to MHTC & 30-day public comment period begins

• **July 2019** – Final STIP presented to MHTC
How to Get Involved

Contact Your Local Planning Agency:

Mid-America Regional Council
David Warm - Executive Director
816-474-4240

Pioneer Trails Regional Planning Commission
Norman Lucas - Executive Director
660-463-7934