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

1,422 Total Bridges

- Good, 541
- Fair, 773
- Poor, 108
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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</table>
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.
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
- 0.15 - 1.259
- 1.260 - 3.094
- 3.095 - 8.223
- 8.224 - 45.12
- 45.13 - 51.57

[Map showing safety needs distribution]
Bridge Condition

**Bridge Condition**
- Poor
- Fair
- Good

[Map of Bridge Condition with markers indicating condition levels]
NHS Pavement Condition

Pavement Condition
- **POOR**
- **FAIR**
- **GOOD**
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
- 1.500000 - 0.450000
- 1.250001 - 1.500000
- 1.050000 - 1.250000
Future Congestion

Future Congestion

- 1.0 - 1.25
- 1.25 - 1.5
- 1.5+

[Map showing future congestion levels]
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>Project</th>
<th>Details</th>
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<tbody>
<tr>
<td>Implement preferred strategies from I-70 STEIS</td>
<td>(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</td>
<td>(I-29 from MO 210 to I-635 and I-35 from MO 210 to I-435)</td>
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<tr>
<td>Interchange improvements at I-49/Rte 58 interchange in Belton</td>
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<tr>
<td>US 50 and MO 291 North interchange, replace bridges and modify designs</td>
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<tr>
<td>Regional intersection improvements by constructing turn lanes and other</td>
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<td>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>beg log</th>
<th>end log</th>
<th>2016 Crash Total</th>
<th>2016 Crash Rate</th>
<th>County</th>
<th>Regional</th>
<th>Final Score</th>
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### Bycicle and Pedestrian/Public Transit Needs List 2018

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<th>Priority</th>
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<th>Route</th>
<th>Location</th>
<th>TWAY ID</th>
<th>beg log</th>
<th>end log</th>
<th>2016 AADT</th>
<th>Severity Rate</th>
<th>Crash Rate</th>
<th>2016 AADT</th>
<th>County</th>
<th>Regional</th>
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### Long Range PTRPC Needs List 2018

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<tr>
<th>Status</th>
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<th>Need</th>
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<th>TWAY ID</th>
<th>beg log</th>
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<th>Crash Rate</th>
<th>Severity Rate</th>
<th>2016 AADT</th>
<th>County</th>
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<th>Final Score</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

<table>
<thead>
<tr>
<th>County</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pettis</td>
<td>Width and lighting improvements to intersection of US 50 and Winchester Dr.</td>
</tr>
<tr>
<td>Saline</td>
<td>Intersection improvements to Rte. 240 and Rte. C intersection</td>
</tr>
<tr>
<td>Saline</td>
<td>Intersection improvements to Hwy 41 and Hwy 41 intersection</td>
</tr>
<tr>
<td>Saline</td>
<td>Paved 4 ft. shoulder, signage and rumble strips surface and guardrail improvements to Hwy 41 from Rte. AA to Rte. TT</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Road improvements to address safety and traffic from Hwy AA to Higbeeville Airport facilities</td>
</tr>
<tr>
<td>Johnson</td>
<td>Intersection improvements to US 50 and Hwy 2 intersection</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Expand Hwy 13 to four lanes, or constructing a designated center turn lane combined with a decreased speed limit between Rte. MM and West 29th St.</td>
</tr>
<tr>
<td>Pettis</td>
<td>Intersection improvements to US 50 and MO 127 intersection</td>
</tr>
<tr>
<td>Johnson</td>
<td>Intersection improvements to US 50 and Hwy W intersection</td>
</tr>
<tr>
<td>Johnson</td>
<td>Interchange improvements to MO 2 and MO 13 interchange</td>
</tr>
<tr>
<td>Lafayette/Saline</td>
<td>Paved 6 ft. shoulders, signage, rumble strip surface improvements along Hwy 20 from Rte. W to Rte. EE</td>
</tr>
<tr>
<td>Pettis</td>
<td>Widening of US 50 and construct turn lane from US 50 Eastbound onto Northbound Massachusetts Rte.</td>
</tr>
<tr>
<td>Johnson</td>
<td>Resurface Hwy Y from MO 13 to Rte. 23</td>
</tr>
<tr>
<td>Saline</td>
<td>Paved 6 ft. shoulders and rumble strips along Hwy 20 from Rte. EE to Hemlock Ave.</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Roadway improvements to address safety concerns along US 65 from MO River E to Saline County line</td>
</tr>
</tbody>
</table>

### Bike Ped/Public Transit

<table>
<thead>
<tr>
<th>County</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pettis</td>
<td>Bike and Pedestrian/Public Transit</td>
</tr>
<tr>
<td>Saline/Saline</td>
<td>Continue to fund, and retain OATS services</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Designate and upgrade shoulders as a major bike/ped corridor along Hwy 20 from Marshall to Higginsville</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Increase/Retain public transit for people with medical needs</td>
</tr>
<tr>
<td>Pettis</td>
<td>Construct Shoulder and bike path along Hwy Y from State Fair Community College to Quisenberry Rd.</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Construct Fuel Storage Facilities at Higbeeville Municipal Airport</td>
</tr>
</tbody>
</table>

### Long Range

<table>
<thead>
<tr>
<th>County</th>
<th>Project Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lafayette/Saline</td>
<td>Long Range</td>
</tr>
<tr>
<td>Pettis/Saline</td>
<td>Add a lane each direction (6 lanes, three on each side) to I-70 from Jackson County line to Cooper County line</td>
</tr>
<tr>
<td>Johnson</td>
<td>Construct NW loop US 65 N to US 50 W</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Upgrade MO 13 to 4 lanes from Warrensburg to Southern JOCO line</td>
</tr>
<tr>
<td>Pettis</td>
<td>Widen and add shoulders to all lettered Routes</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Utilize 4 lane or 2+1 sections along MO 13 from I-70 to Lexington</td>
</tr>
<tr>
<td>Saline/Lafayette</td>
<td>Utilize 2+1 expansion along US 65 from Marshall to Waverly</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Roundabout construction at intersection of MO 20 and MO 23</td>
</tr>
<tr>
<td>Pettis</td>
<td>Widen US 65 to four lanes under Union Pacific Railroad</td>
</tr>
<tr>
<td>Pettis</td>
<td>Widen US 65 North/South through Sedalia</td>
</tr>
<tr>
<td>Lafayette</td>
<td>Replace the KC Southern Railroad overpass on MO 13 in Higbeeville, and construct sidewalk with railing shoulder under rail line</td>
</tr>
<tr>
<td>Johnson</td>
<td>Upgrade MO 13 East loop to four lanes</td>
</tr>
<tr>
<td>Saline</td>
<td>By-Pass construction around Marshall</td>
</tr>
<tr>
<td>Pettis</td>
<td>US 50 E from Sedalia build 4 lanes North side of residential for approximately 2 miles</td>
</tr>
</tbody>
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**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 Programed)
- New Construction - 3
- System Improvements – 15
Safety Improvements

Mo Hwy 13 & Hwy E Intersection

Mo Hwy 13

South

North
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