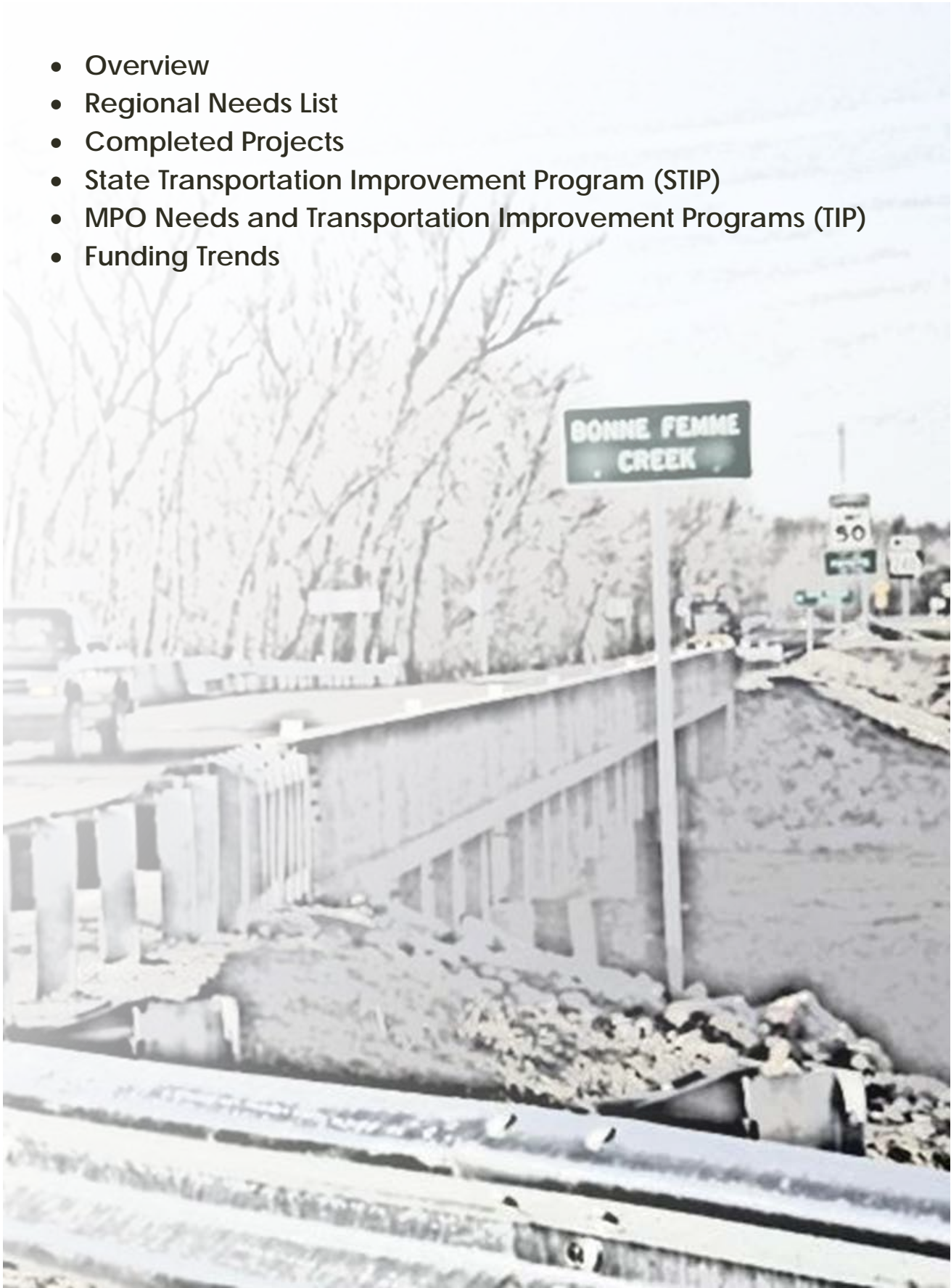


Chapter 10: Regional Needs

- Overview
- Regional Needs List
- Completed Projects
- State Transportation Improvement Program (STIP)
- MPO Needs and Transportation Improvement Programs (TIP)
- Funding Trends



Overview

As a Planning Partner with MoDOT, the Mid-Missouri Regional Planning Commission is responsible for representing and advocating for the transportation needs of member counties and municipalities. Mid-MO RPC's Transportation Advisory Committee (TAC) acts as a bridge between MoDOT and the region's citizens. The TAC is composed of local city and county officials, Metropolitan Planning Organization (MPO) representatives, MoDOT District Engineers, and engaged citizens.

The process of needs identification and project prioritization, conducted by the state's regional planning commissions, allows MoDOT to engage city and county officials at an appropriate scale. Assessment and prioritization of projects at the regional scale allows MoDOT to take local insight and perspectives into consideration when planning at both the statewide and district levels.

Regional needs lists are used to maintain and update two major MoDOT planning documents:

- **Long Range Transportation Plan (LRTP)**
 - The LRTP lays out goals and strategies for state system maintenance and improvement beyond the subsequent five fiscal years, included in the STIP.
- **Statewide Transportation Improvement Program (STIP).**
 - The STIP, prepared annually, sets forth the specific construction projects MoDOT will undertake in the next five years. It covers highways and bridges, transit, aviation, rail, waterways, enhancements and other projects.

Mid-MO RPC's TAC identifies needs and prioritizes projects in order to inform MoDOT's Long Range Transportation Planning process. Because the STIP already outlines programmed projects for the following five fiscal years, the needs identified by the TAC are likely to be those considered for construction within 5-20 years. The TAC goes through an annual process to prioritize regional needs using a variety of criteria. In previous years TAC used a set of goals that included Safety, Public Involvement, Economic Vitality, Quality of Communities, Preservation, Diversity of Transportation Options, Environmental Protection, and Funding Options.

The most recent prioritization process in 2014 borrowed from MoDOT's LRTP.

Safety	Maintenance	Economic Development	Connections and Choices
Will this project reduce fatalities, injuries, and property damage?	Will this project improve the existing condition of infrastructure?	Will this project support or expand alternative forms of transportation?	Will this project encourage economic growth and/or increase access to employment and businesses?

The prioritization process results in all projects receiving a high, medium, or low rating:

- **High** priority projects are those that, using the above goals, need to be addressed within 5-10 years or sooner.
- **Medium** priority projects are those that, using the above goals, need to be addressed within 10-15 years.
- **Low** priority projects are those that, using the above goals, need to be addressed within 15-20 years or may be re-evaluated in the future.

2015 Prioritization Process

In 2015 the Mid-MO RPC TAC reviewed the previous 2014 Regional Needs List and determined that all projects should remain on the list with the current prioritizations. The 2014 list included multi-modal projects and regional improvements.

In 2014 the Missouri State Legislature approved a ballot measure, Amendment 7, to secure funding for transportation improvements. The proposed sales tax would have provided an estimated \$5.4 billion in funding for transportation projects over 10 years (2015-2025). The amendment would provide that 90 percent of the revenue, an estimated \$480 million annually, go toward state transportation initiatives. Ten percent, or an estimated \$54 million annually, would be split among cities and counties for transportation projects. As part of the requirements set forth by the proposed Amendment 7 (¾ cent sales tax), MoDOT held several open house meetings across the state. The goal of the open house events was to gather public input on the draft transportation project priorities being compiled in each district. The draft priority lists were compiled through a large amount of public outreach by MoDOT, Regional Planning Agencies, and Metropolitan Planning Organizations.

The draft projects proposed by Mid-MO RPC went through several stages of public input and stakeholder review. A subcommittee of the Mid-MO RPC TAC prioritized and scored the projects using the previously mentioned goals of Safety, Maintenance, Economic Development, and Connections and Choices.

The project lists covered all modes of transportation, including: Road and Bridge, Bike and Ped, Rail, Air, Waterways, and Transit. The top 15 road and bridge and top 15 multi-modal projects were forwarded to the Central District where they were part of the Central District prioritization process. The District prioritization processes included another public comment period and ultimately lead to a statewide project list. This statewide list included projects that would be funded if Amendment 7 passed. On August 5th, Missouri voters rejected the amendment with 59% voting “NO”. While the amendment did not pass, the broad public input provided a much more diverse and thorough list of transportation needs. This new list includes transportation modes that were not part of previous lists, such as airport, rail, port, transit, and pedestrian projects. While many of these “multi-modal” projects cannot be funded using the state’s fuel tax, they have now been identified as a need and can be funded using other state or federal funding pools.

Regional Transportation Needs List - 2015

The transportation needs for the Mid-Missouri Region, prioritized in 2015, are listed in categories of High, Medium, and Low. The identification number within the chart does not reflect priority, but is used in the corresponding locator maps. Also, for those projects that are listed in the most current STIP (2016-2020), job numbers have been provided. As stated previously, the following MoDOT LRTP goals were used in in the prioritization process:

- **Safety**
- **Maintenance**
- **Economic Development**
- **Connections and Choices**

HIGH	Projects that, using the above goals, need to be addressed within 5-10 years or sooner.
MEDIUM	Projects that, using the above goals, need to be addressed within 10-15 years.
LOW	Projects that, using the above goals, need to be addressed within 15-20 years or may be re-evaluated in the future.
Non-Prioritized	Projects added after the 2014 prioritization process, these projects will be prioritized in 2015.

In addition to location specific projects, Mid-MO RPC TAC and regional stakeholders identified several broader, regional or statewide needs as seen in Figure 10.1.

Figure 10.1

Regional/Statewide Needs	
2ft Shoulders on State Routes	Addition of pavement to accommodate standard roadway widths with 2 ft. shoulders along state numbered and lettered routes
Continuation of MoDOT cost-share program	Continued funding of the cost-share program
One-lane bridge replacement	Upgrading of one-lane bridges to two lane
Maintain funding for maintenance of the existing state transportation system	Continue funding of maintenance needs such as re-surfacing, striping, sealing, and pavement preservation
Community Improvements and Safety enhancements	Improvements to sidewalks, lights, signage, speed zones, rail/road/ped crossings, etc. for communities w/population <5000 along state routes
Improve safety of at-grade Crossings along US Highways 50/63/54	Improve safety for at-grade crossings through the use of signage and/or intersection reconfigurations
Improve signage along state routes	Improve signage along state routes
Improve efficiency of snow removal on state lettered routes	Improve efficiency of snow removal on state lettered routes
Rural Transit Funding	Increase funding support to make rural transit more efficient
Maintain funding for sidewalk connectivity around schools	Maintain funding for the sidewalk connectivity with schools and the surrounding community
Minor Arterials	Improve sight distance through vegetation control and straightening
Maintain funding for sidewalk connectivity around schools	Maintain funding for the sidewalk connectivity with schools and the surrounding community
Sidewalks on State Routes	Install sidewalks along state routes where schools are located
Minor Arterials	Improve sight distance through vegetation control and straightening

Figures 10.2a-10.2f depict location specific regional needs.

Figure 10.2a

Mid-MO RPC Regional Transportation Needs 2015			
HIGH Priority Projects			
#	Route/Project	Location	Description
1	US Highway 50 corridor from Union to Sedalia	Moniteau, Morgan, Pettis	Expansion of the existing corridor to a four-lane highway from I-44 near Union to Sedalia.
2	I-70 Corridor	Mid-MO RPC Region	Ongoing maintenance needs to include Missouri River bridge at Rocheport (STIP #5I2126, #5I3001, #2I21661)
3	US 50/63	Cole, CAMPO	Rex-Whitton Expressway Improvements between/including Clark Ave. to Missouri Blvd
4	Construction of preferred alternative from East Columbia EIS (Route 740 Extension)	Boone	Extension of MO 740 or preferred alternative, which may include improvements to several other roads and interchanges on I-70
5	US Highway 63	Cole, CAMPO	Extension of four-lane from US 50 to Vichy
6	US 63/ I-70	Boone	Improvement of 63/70 interchange to reduce traffic on the connector
7	US Highway 54	Callaway	Safety improvements to crossovers in Callaway County
8	US 54 and CR 306	Callaway	Safety improvement to crossover
9	Howard/Cooper Co. Port Authority	Cooper, Howard	New Facility Upgrades - New Dock and Road, Crane, Dry Storage, Crane, Conveyors
10	MO 240	Howard	Replacement or rehab of one-lane H287R over Pipes Branch
11	US 50	Cole	Intersection improvements at Shamrock and Liberty Rd.
12	Route B	Boone	Shoulder widening between Kemper Rd and Hallsville city limits and a northbound turn lane added at Kemper Rd.
13	Routes B, W, M	Cole	Improvements to intersection of Routes B, W, and M in Wardsville
14	Battlefield High School Overpass	Boone, CATSO	overpass over I-70 between St. Charles Rd. and Route Z at Battlefield High School
15	US 63	Boone, CATSO	Addition of 3rd lane between Broadway and Stadium Blvd
16	MO 87	Cooper	installation of pedestrian controls to allow crossover of MO 87 at Ashley Rd.
17	MO 5 and Route E	Howard	Intersection Improvements for safety
18	Business 50	Moniteau	Creation of alternative exit/entrance at California High School for safety

Figure 10.2b

Mid-MO RPC Regional Transportation Needs 2015			
HIGH Priority Projects			
#	Route/Project	Location	Description
19	Route B	Cole	Pavement and shoulder improvements on Route B between Wardsville and Meta in Osage County
20	Jefferson City Airport	Callaway, Cole, CAMPO	Continued operation of air traffic control tower
21	Rail - Otter Drive near Otterville	Cooper	install active warning devices
22	MO 240 and US 40	Howard	Corridor improvements for safety (i.e. shoulders, straightening, sight distance)
23	MO 240	Howard	Shoulder improvements for safety
24	US 63	Boone, CATSO	Guard rail and guard cable improvements.
25	I-70 North Outer Road	Callaway	Replacement of one-lane bridge over Whetstone Cr.
26	Route H	Callaway	Reconstruction & rehab of one-lane Bridge T0812 over Davis Creek
27	Route J	Callaway	Reconstruction & rehab of one-lane Bridge N0743 over Miller Creek
28	Route H	Cole	Replacement or rehab of one-lane Bridge R0250 over Bois Brule Creek
29	Route V	Howard	Replacement or rehab of one-lane Bridge X0691 over Doxie Creek
30	Columbia Regional Airport	Boone	Upgrade of Crosswind Runway 13-31 Eastside intersection
31	US 54	Callaway, Cole, CAMPO	Guard rail and guard cable improvements.
32	MO 5	Howard	Replacement or rehab of Bridge H266R over Sulphur Creek
33	Route A	Cole	Replacement or rehab of one-lane Bridge R0235 over South Moreau Creek
34	Route A	Cole	Replacement or rehab of one-lane Bridge R0248 over Brush Creek
35	MO 179	Moniteau	Elevate highway from 1.7 miles north to 1 mile north of Cole County at Sandy Hook due to flooding
36	US 40	Boone	Improvements/Turn Lane at Midway exit
37	Port Authority Creation - Callaway Co.	Callaway	creation of Port East of Missouri River Bridge

Figure 10.2c

Mid-MO RPC Regional Transportation Needs 2015			
HIGH Priority Projects			
#	Route/Project	Location	Description
38	Rail - Improve Callaway Co. Rail Crossings	Callaway	Improve at-grade rail crossings in Callaway County along the Ozark Valley Railroad
39	US 63 and E Claysville Rd	Boone	Safety improvements to crossover Westbrook and Claysville
40	MO 87	Cooper	Drainage/Storm water improvements between Bingham Rd and Main St.
41	MO 5 and CR 320	Howard	Intersection Ramp needs to be longer
42	MO 87 and Industrial Rd.	Moniteau	Creation of a bypass linking MO 87 north of California to US 50 via the current Industrial Rd. to reduce truck traffic through California
43	Route Z	Howard	Resurfacing
44	Route O	Howard	Repaving
45	Route J	Howard	Resurfacing
46	US 54 Callaway/Ameren Connector	Callaway	Connector from US 54 to Ameren Nuclear Plant
47	Fulton Airport	Callaway	Widening of runway 6/24 - may need lights and AWAS weather system
48	Rail - Jefferson City Third Main Track Construction	Cole, CAMPO	Jefferson City Third Main Track Construction
49	Rail - New Jefferson City Station Construction	Cole, CAMPO	New Jefferson City Station Construction
50	Rail - Jefferson City to Pleasant Hill Double Track	Cole, CAMPO	Jefferson City to Pleasant Hill Double Track
51	Route M	Boone	Widen Broadway and create turning lanes in Ashland
52	Route A and CR 130	Howard	Intersection Ramp needs to be longer
53	Route P and CR 421	Howard	Intersection Ramp needs to be longer
54	MO 5 and CR 324	Howard	Intersection Ramp needs to be longer
55	Columbia Regional Airport	Boone	Upgrade of parking lot capacity
56	Route Y	Howard	Erosion improvements at CR 110
57	US 40	Howard	Erosion improvements at CR 433
58	MO 240 / MO 5 Reconfiguration	Howard	Connection of routes to decrease traffic on Church St. through Fayette
59	Ozark Valley Rail to Trail	Callaway	Purchase of Ozark valley rail to create trail system

Figure 10.2d

Mid-MO RPC Regional Transportation Needs 2015			
HIGH Priority Projects			
#	Route/Project	Location	Description
60	Transit Expansion	Boone, Cole	Rideshare or transit service between Columbia and Jefferson City
61	US 50/63 (Rex Whitton)	Cole, CAMPO	Reduction or elimination of stop lights in Jefferson City
62	Howard Co. Recreational Trail	Howard	Creation of recreational trail to link all Howard Co. cities with the Katy Trail
63	MO 87	Moniteau	Safety Improvements at Burgers Smoke House for outgoing trucks on oncoming traffic
64	MO 87	Moniteau	Safety Improvements to school bus stop south of Burger's Smoke House
65	Henry Clay Blvd	Boone	Extension of Henry Clay Blvd in Ashland to create outer road north of the city.
66	US 63 and Route A	Boone	Safety improvements to crossover, including Gilmore Lane
67	Gold Rd. and Jade Rd.	Callaway	Upgrades/paving of roadway from Kingdom City to Callaway Livestock Center
68	US 63 and Westbrook Dr.	Boone	Safety improvements to crossover of Westbrook and Mt. Pleasant

Figure 10.2e

Mid-MO RPC Regional Transportation Needs 2015			
MEDIUM Priority Projects			
#	Route/Project	Location	Description
69	Business 54	Callaway	Three lane urban section north of Hwy 54 to south of Rt. O in Fulton
70	Route UU	Callaway	Reconstruction & rehab Bridge N0410 over Crows Fork Creek
71	MO 41	Cooper	Replacement or rehab of Bridge J0431 over Slough Creek
72	Route M	Cooper	Replacement or rehab of Bridge G0366 over Lamine River
73	MO 94	Callaway	Pavement and shoulder improvements from east of Route 54 to Route 19.
74	US 54 and Summit Dr	Callaway	Creation of two new ramps on north bound and south bound US 54
75	Route DD	Cooper	Replacement or rehab of Bridge P0227 over Flat Creek
76	MO 124	Boone	Improvements to Bridge S0352 over Grindstone Cr.
77	MO 763 (College Ave.)	Boone, CATSO	Enhancement for pedestrian refuge near MU
78	Katy Trail / River Road Stabilization	Boone	Bank stabilization and scour protection
79	MO 87	Cooper	Installation of a roundabout at Bingham Rd. and 11th Street
80	Rail stop	Moniteau	Creation of train depot for Amtrak in Tipton or California
81	US 50 / MO 5	Moniteau	Safety Improvements in Tipton between Meadowlark Lane and MO 5 / US 50 split
82	Route H	Boone	Creation of an outer road system to connect Route H with Route M/Y in Ashland

Figure 10.2f

Mid-MO RPC Regional Transportation Needs 2015			
LOW Priority Projects			
#	Route/Project	Location	Description
83	Business 50	Moniteau	Addition of third lane through California
84	Columbia Regional Airport	Boone	Upgrade of aircraft storage capacity
85	MKT trail Stabilization	Boone	Bank stabilization and scour protection
86	Gans Creek Road	Boone	Extension of Gans Creek Rd. to Providence
87	Burnett School Rd Bridge	Boone, Callaway	Bridge replacement on Burnett School Rd. along Cedar Creek
88	Fulton - Stinson Creek Trail	Callaway	Expansion of trail in Fulton
89	Fulton Downtown Sidewalk Upgrades	Callaway	Sidewalk rehab to improve ADA compliance
90	Jefferson City Airport	Callaway, Cole, CAMPO	Construction of storage/maintenance facility
91	Jefferson City Airport	Callaway, Cole, CAMPO	Extension of runway by 1,000 feet
92	Boonville Airport	Cooper	Construct partial parallel taxiway
93	Boonville Airport	Cooper	Construct runway 18 and parallel taxiway extension
94	Route M	Boone	Improve sidewalks
95	US 63 Overpass - Ashland	Boone	Build overpass in Ashland at New Salem Ln. and/or Liberty Ln.
96	Jefferson City Bike Lanes	Cole, CAMPO	Creation of downtown bike lanes with connection to Missouri River Bridge
97	MO 5/ US 40	Cooper	Sidewalks installed along State and US routes in Boonville
98	MO 87	Cooper	Traffic studies between Boonville and I-70 due to predicted commercial growth
99	Transit in Fulton	Callaway	Creation of transit service route in Fulton
100	Business 50 East	Moniteau	Increase of speed limit between California city limits and Shooter's Club Rd.
101	Katy Trail - Holts Summit	Callaway	Katy Trail - Create a new connector trail between Holts Summit and the Katy Trail