



MEMORANDUM

To: Administration/Public Works Committee Members

From: Rick C. Brown, Director of Public Works / City Engineer

Date: July 12, 2021

Re: Update on Route 100 and Old State Road/Ridge Road Funding Applications

Background

As you may recall, earlier this year, the Department submitted applications for federal funding for the following projects:

1. Old State Road at Ridge Road Roundabout

This project would install a new roundabout at Old State Road and Ridge Road. The estimated cost for design and construction is \$2.3M and easement acquisition would be necessary. Our application requested 80% federal funds, with a 20% local match of \$460,000 split between Wildwood and Ellisville.

2. State Route 100 J-Turns

MoDOT has recommended the construction of J-Turns at State Route T (St. Albans Road) and Pond Road in lieu of traffic signals. The estimated cost for design and construction is \$2,927,000. Our application requested 80% federal funds with a 20% local match of \$585,400.

3. State Route 100 Left Turn Lanes

MoDOT has recommended the construction of new turn lanes at the following side roads on State Route 100.

- Booness Lane (Eastbound and Westbound)
- Woodland Meadows Drive (Westbound)
- Hencken Road (Westbound)
- Hawks Rest Road/Windy Hollow Lane (Westbound and Eastbound)

The estimated cost for design and construction is \$2,733,000. Our application requested 80% federal funds, with a 20% local match of \$546,000.

Unfortunately, we were notified recently that none of our three funding applications were successful. For your reference, a copy of the projects that were selected follows this memorandum. To better assess the shortcomings of our applications, a meeting was held on June 17th, with East-West Gateway Council of Governments (EWG) staff involved in the review of the applications. The following are recommendations from that meeting.

Old State Road at Ridge Road Roundabout

EWG stated that the lack of serious and fatal crashes reduced our score. (Note - this is something we were clearly aware of at the time of submittal.) EWG suggested considering the Congestion Mitigation and Air Quality Improvement (CMAQ) Program instead, as this program is less competitive. (Note - We

did consider the CMAQ program but ruled it out due to lack of overall delay reduction, which is a requirement. We will review the prior traffic study to see if the prior analysis is still valid or needs to be updated.) Assuming this project is submitted again, we would recommend requesting less funding with our application, and again requesting that St. Louis County participate in the cost. Unfortunately, the current federal programs favor preservation of existing facilities and make expanding the system difficult without clear safety benefits or traffic delay reductions. For this reason, other funding options should be considered in the future, as we have submitted this project two times unsuccessfully.

Route 100 Improvements (J-Turns/Left Turn Lanes)

Regarding the Route 100 funding applications, there are options that should improve our scoring and chances for federal funding. The takeaway from EWG staff is to reduce the project cost (i.e. federal funding request) as much as possible and to utilize the MoDOT state cost share program for this purpose. Assuming we are successful obtaining MoDOT state cost share funds, we can then apply to EWG for federal funds for the balance. Utilizing the MoDOT cost share program would significantly reduce the amount of federal funds that we are requesting and improve our project score. Assuming we request the minimum local match and are successful with both programs, we could reduce our overall costs as well.

MoDOT Cost Share Program

The City previously utilized the MoDOT cost share program for improvements to Route 109. The program accepts applications several times a year, and the maximum award is 50% of the eligible project costs. Project applications are next due July 23, and October 7, 2021. The Department would recommend proceeding with discussions regarding potential MoDOT cost share applications with Ryan Percy, MoDOT Southwest Area Engineer.

I will be available for any questions or comments at the July 13, 2021, Administration/Public Works Committee meeting.

RCB

Missouri Transportation Planning Committee Recommendations
Missouri Local Program - Congestion Mitigation and Air Quality Improvement Program (CMAQ)
Sorted in alphabetical order by sponsor

RECOMMENDED FOR FUNDING					
County	Sponsor	ID #	Project Title - Description	Federal Cost	Total Cost
Multi-County-M	Bi-State Dev/Metro	7201A-24	Bus Replacement - 2024 (A) - Replace 10 Buses	\$4,568,424	\$5,710,530
Multi-County-M	Bi-State Dev/Metro	7201B-24	Bus Replacement - 2024 (B) - Replace 10 Buses	\$4,568,424	\$5,710,530
Multi-County-M	Citizens For Modern Transit/Bi-State Dev	7202-22	Building Ridership On Transit - STL City And STL County - Education & Outreach Building Better Bus Stops- New Fare Media - Employer Benefit Program - Two Year Program	\$432,351	\$540,439
St. Charles	Dardenne Prairie	7203-22	Dardenne Prairie Signal Interconnect - Along Feise Rd, Town Square Ave And Hanley Rd Fiber Interconnection - Upgrade Traffic Controllers	\$336,282	\$420,353
St. Louis City	Great Rivers Greenway	7204-24	Brickline Greenway - Sarah St To Grand Ave Shared Use Path (12-14') - Bridge Over Vandeventer	\$4,000,000	\$13,858,400
Multi-County-M	Jefferson County Port Authority	7205-23	Marine Vessel Engine Repower - 2023 - Repower Two Marine Vessels Serving Mississippi River In Non-Attainment Area	\$408,144	\$816,288
St. Charles	Lake Saint Louis	7206-22	Flashing Yellow Arrows & Signal Improvements - Along Ronald Reagan Dr, Technology Dr, Lake Saint Louis Blvd - Upgrade Signal Controllers	\$277,282	\$346,603
Multi-County-M	Loop Trolley TDD	7207-22	Loop Trolley Operating Assistance - Funding For Two Years	\$1,260,000	\$1,800,000
St. Louis	MoDOT	7208-24	Signal Optimization - 2024 - MO 141: I-64 To Gravois Bluffs	\$1,104,240	\$1,380,300
St. Charles	O'Fallon	7209-22	Weldon Spring Road, Phase 1 - Technology Dr To Valleybrook Dr Roundabout-Two Way Turn Ln - Reconstruct (Local Funds)	\$1,041,764	\$2,658,405
Franklin	Pacific	7210-22	Osage St (Business Loop 44) - At First Street (MO F) Add Right Turn Lane - Intersection Improvements	\$892,173	\$1,115,216
St. Charles	St. Charles County	7211A-22	GGL - Mexico Rd Signal Performance Module - Bryan Rd To Cave Springs Rd Automated Traffic Signal Perf. - Signal Optimization	\$2,446,523	\$3,058,254
St. Charles	St. Charles County	7211B-22	GGL - Muegge Rd Signal Performance Module - Cave Springs Rd To Old 94 Automated Traffic Signal Perf. - Signal Optimization	\$880,203	\$1,100,254
St. Louis City	St. Louis	7213-22	S. Broadway Cycle Track - Dover St To River City Casino Blvd Cycle Track (10') - Curb Ramps (Local Funds)	\$960,000	\$1,200,000
St. Charles	St. Peters	7212-22	Mid Rivers Mall Dr - At St. Peters-Howell Rd - Turn Lanes - Upgrade Traffic Signal	\$444,408	\$555,510
Cumulative Cost:				\$23,620,218	\$40,271,082

Missouri Transportation Planning Committee Recommendations
Missouri Local Program - Surface Transportation Block Grant Program - Suballocated (STP-S)
Sorted in alphabetical order by sponsor

RECOMMENDED FOR FUNDING					
County	Sponsor	ID #	Project Title - Description	Federal Cost	Total Cost
Jefferson	Arnold	7172-25	Lonedell Road - Missouri State Rd To Pomme Rd Resurfacing - Sidewalk (6')	\$1,306,216	\$1,943,505
St. Louis	Ballwin	7173-24	Ries Road - Manchester Rd (MO 100) To Big Bend Rd Overlay - Curb Ramps - Lighting	\$684,618	\$1,005,533
Multi-County-M	Bi-State Dev/Metro	7174A-25	Call-A-Ride Van Replacement - 2025 (A) - Replace Nine Call-A-Ride Vans	\$1,123,841	\$1,404,801
Multi-County-M	Bi-State Dev/Metro	7174B-25	Call-A-Ride Van Replacement - 2025 (B) - Replace Nine Call-A-Ride Vans	\$1,123,841	\$1,404,801
St. Louis City	Bi-State Dev/Metro	7174C-24	Forest Park-DeBaliviere MetroLink Stn Improvements - Station Accessibility Improvements - Platform - CPTED - Canopy - Lighting	\$992,000	\$1,240,000
St. Louis	Clayton	7175-24	Brentwood/Central/Bemiston - Brentwood: Forsyth To Maryland; Central: Maryland To Shaw Bemiston: Bonhomme To Maryland - Resurfacing	\$800,000	\$1,239,600
St. Louis	Creve Coeur	7176-24	Craig Road - Olive Blvd (MO 340) To Old Ballas Rd Resurfacing - Sidewalks(6-8')	\$960,000	\$1,350,000
Jefferson	De Soto	7177-24	Clarke Street - MO 21 To Main St Resurfacing	\$528,871	\$765,211
St. Louis	Dellwood	7178-23	Hudson/Trask - Hudson: W. Florissant To Trask; Trask: Hudson To City Limits Overlay	\$573,177	\$716,471
St. Louis	Ferguson	7179-23	Robert Avenue - N. Florissant Rd To N. Elizabeth Ave Reconstruct - Upgrade Sidewalks (5')	\$1,117,474	\$1,396,842
Jefferson	Festus	7180-24	N. Mill Street - Main St To Cedar Heights Dr (City Limits) Resurfacing - Lighting	\$708,708	\$1,025,412
St. Louis	Florissant	7181-23	Mullanphy Road, Phase 1 - Patterson Rd To Fernbrook Dr Resurfacing - Sidewalk (5') --Vesper To Fernbrook	\$660,800	\$826,000
Franklin	Franklin County	7182A-24	Little Boone Creek Road Bridge - Over Little Boone Creek Replace Bridge - Shoulders (2')	\$635,914	\$1,000,730
Franklin	Franklin County	7182B-23	Little Indian Creek Road Bridge - Over Girard Branch Of India Replace Bridge - Shoulders (2')	\$538,419	\$851,137
St. Louis	Frontenac	7183-23	Geyer Road, Phase 3 - Huntleigh Manor Ln To Huntleigh Trails Ln Resurfacing - Sidewalk (6')	\$1,097,600	\$1,512,400
St. Louis	Frontenac	7184-23	Spoede Road Bridge - Over Deer Creek Replace Bridge - Sidewalk (6')	\$682,360	\$852,950
St. Louis	Glendale	7185-23	Sappington Road - Manchester Rd (MO 100) To Lockwood Ave Resurfacing - Curb Ramps	\$884,400	\$1,105,500
St. Louis	Great Rivers Greenway	7186-25	St. Vincent Greenway - Werley Ave To St. Charles Rock Rd Shared Use Path (8-12')	\$2,750,000	\$6,857,563
Jefferson	Jefferson County	7187A-23	Flucom Road - Hencher Rd To Athena School Rd Overlay - Shoulders (4') - Rumble Strips	\$1,215,200	\$1,519,000
Jefferson	Jefferson County	7187B-23	Harmony Hills Road Bridge - Over Pomme Creek Replace Bridge	\$661,949	\$827,436
Jefferson	Jefferson County	7187C-24	Market Street - Fourth St To Front St Reconstruction - Sidewalks(8') - Lighting	\$1,009,812	\$1,442,589
Jefferson	Jefferson County	7187D-23	Old Highway M - Glenstone Dr To Chasteen Ln Realignment - Shoulders (4') - Overlay - Rumble Strip	\$1,279,040	\$1,598,800
Jefferson	Jefferson County	7187E-24	Twin River Road - Byrnes Mill Rd/MO PP To Osage Dr Overlay - Shoulders (4') - Rumble Strips	\$1,040,000	\$1,300,000
St. Louis	Kirkwood	7188A-23	S. Clay Avenue - Adams Ave To Woodbine Ave - Raised Intersections At Argonne/Jefferson Resurfacing - Upgrade Sidewalks (5')	\$1,538,528	\$1,923,161
St. Louis	Kirkwood	7188B-23	S. Kirkwood Rd, Phase 2 - W. Monroe Ave To BNSF RR Resurfacing - Upgrade Sidewalks	\$1,578,999	\$1,973,749
St. Charles	Lake Saint Louis	7189-23	Technology Drive - Lake Saint Louis Blvd To Technology Dr Loop Resurfacing - Sidewalk(6') - Shared Use Path (8')	\$1,449,320	\$1,811,650
St. Louis	Manchester	7190-24	Hanna Road - Hannafield Ct To Brookvale Terrace Microsurfacing - Upgrade Sidewalks (5-6)	\$1,010,160	\$1,530,700
St. Louis	Maplewood	7191-23	Greenwood Boulevard - Sussex Ave To Canterbury Ave Reconstruction - Sidewalk (6-12')	\$1,400,000	\$1,750,000

Missouri Transportation Planning Committee Recommendations
Missouri Local Program - Surface Transportation Block Grant Program - Suballocated (STP-S)
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RECOMMENDED FOR FUNDING					
County	Sponsor	ID #	Project Title - Description	Federal Cost	Total Cost
St. Charles	O'Fallon	7192-23	Main Street, Phase 3 - St. Joseph Ave To RR Tracks (S/O Civic Dr) Resurfacing - Upgrade Sidewalks - TWTL(Local Funded)	\$2,100,260	\$2,997,825
St. Charles	St. Charles	7193A-23	Duchesne Drive - Droste Rd To W. Clay St Reconstruction - Lighting - Upgrade Sidewalks	\$3,360,000	\$4,300,000
St. Charles	St. Charles	7193B-23	Muegge Road - Mexico Rd To Old Muegge Rd Slab Replacement - Diamond Grind - Shared Use Path (10')	\$2,000,000	\$2,500,000
St. Charles	St. Charles County	7194A-24	Augusta Bottom Road Bridge - Over Tributary Of Missouri River Replace Bridge - Shoulders (4')	\$480,000	\$730,000
St. Charles	St. Charles County	7194B-24	Femme Osage Creek Road Bridge - Over Tributary Of Femme Osage Creek Replace Bridge - Shoulders (4')	\$504,000	\$760,000
St. Charles	St. Charles County	7194C-25	Josephville Road - MO P To Kersting Rd Overlay - Shoulders (4') - Bridge Rehab	\$1,000,000	\$2,230,000
St. Charles	St. Charles County	7194D-25	West Meyer Road - MO W To Duenke Rd Overlay - Shoulders (4')	\$1,000,000	\$2,450,000
St. Louis City	St. Louis	7195-23	Compton Avenue Bridge - Over Mill Creek Railyard Replace Bridge - Cycletrack - Sidewalk (6')	\$16,000,000	\$20,000,000
St. Louis	St. Louis County	7196A-23	Baumgartner Road - 2025 - Telegraph Rd (MO 231) To Old Baumgartner Rd Resurfacing - Curb Ramps	\$1,105,680	\$1,386,500
St. Louis	St. Louis County	7196B-23	Bennington Place - 2025 - Marine Ave To Fee Fee Rd Resurfacing - Curb Ramps	\$1,409,840	\$1,782,000
St. Louis	St. Louis County	7196C-23	Charbonier Road - 2025 - Howdershell/Shackelford To Lindbergh (US 67) Resurfacing - Curb Ramps - Sidewalk:School To Signal	\$1,546,720	\$2,228,200
St. Louis	St. Louis County	7196D-23	Dorsett Road (East) - 2025 - Progress Pkwy To Old Dorsett Rd Resurfacing - Curb Ramps	\$2,624,160	\$4,804,000
St. Louis	St. Louis County	7196E-23	Hanley-Laclede Station Road - 2025 - Manchester Rd (MO 100) To Newport Ave Resurfacing - Curb Ramps	\$1,793,760	\$2,295,700
St. Louis	St. Louis County	7196F-23	Laclede Station Road - 2025 - Weil Ave To Watson Rd Resurfacing - Curb Ramps	\$1,967,100	\$3,311,300
St. Charles	St. Peters	7197A-23	Barkwood Trails Drive - Jungermann Rd To Maple Tree Dr Reconstruction - Upgrade Sidewalk (6')	\$1,758,718	\$2,198,398
St. Charles	St. Peters	7197B-23	Jungs Station Road - Kings Crossing To Country Mill Ct Slab Replacement - Sidewalks (5') - Diamond Grind	\$1,595,586	\$1,994,483
St. Charles	St. Peters	7197C-23	Mexico Road Bridge - At Dardenne Creek Bridge Rehabilitation	\$447,036	\$558,795
St. Charles	St. Peters	6964D-25	MO 370, Phase 2 - At Salt River Rd New Interchange - EB Off Ramp	\$1,970,000	\$15,079,619
St. Louis	University City	7198-23	Pershing Avenue - Linden To Forest Park Pkwy - Linden To N Hanley Local Funds - Resurfacing - Upgrade Sidewalks - Curb Ramps	\$1,119,728	\$1,489,000
Franklin	Washington	7199A-23	Front Street, Phase 2 - Stafford St To Jefferson St Resurfacing - Curb/Gutter - Upgrade Sidewalks	\$845,600	\$1,057,000
Franklin	Washington	7199B-23	High Street, Phase 2 - Fifth St To Front St Resurfacing - Curb/Gutter - Upgrade Sidewalk	\$955,000	\$1,193,750
St. Charles	Wentzville	7200-23	Mexico Road - Josephville Rd To Midland Park Dr Overlay - Shoulders (3') - Sidewalk (6') - Wwpark Dr To School	\$1,800,000	\$4,500,000
Cumulative Cost:				\$76,734,435	\$122,022,111

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NOT RECOMMENDED FOR FUNDING					
County	Sponsor	ID #	Project Title - Description	Federal Cost	Total Cost
St. Louis	Brentwood	8005	High School Drive Sidewalk - Manchester Rd (MO 100) To White Ave Sidewalk (5')	\$330,000	\$428,526
St. Louis	Chesterfield	8068	Wilson Avenue - Wildhorse Creek Rd To 0.2 Mi S/O Walnut Hill Rd Realign Road - Shared Use Path (10') Incl Connect To Baxer Crossing	\$2,970,000	\$4,251,000
Jefferson	Crystal City	8008	Bailey Road - Brierton Ln To Mississippi Ave Resurfacing	\$300,720	\$435,104
Jefferson	Festus Special Road District	8013	Scenic Dr - McNutt School Rd To Cedar Heights Dr Resurfacing	\$263,626	\$387,201
St. Charles	Flint Hill	8014	MO P - US 61 To Mexico Rd - Median Resurfacing - Sidewalk - Storm Sewer - Bike Ln (4')	\$828,835	\$1,284,695
Jefferson	Jefferson County	8023	Gravois Road - 2025 - Carol Park Dr To MO 30 Two Way Turn Lane - Shoulder (4') - Overlay	\$798,000	\$1,140,000
St. Charles	Lake Saint Louis	8030	Lake Saint Louis Blvd - Veterans Memorial Pkwy To Spillway Bridge Resurfacing - Curb & Gutter	\$337,155	\$421,444
St. Charles	O'Fallon	8034	Eggering Drive - St. Matthew Ave To Sonderen St Reconstruction - Upgrade Sidewalk (6')	\$1,044,000	\$1,305,000
St. Louis	St. Ann	8036	Pear Tree/Country Ln - Douglas Ct To East City Limit (Near I-70 Ramp) Reconstruction - Curb Ramps	\$526,789	\$658,486
St. Charles	St. Charles County	8041	Hepperman Road, Phase 2 - Golf Club Dr To MO N Overlay - Shoulders (4')	\$800,000	\$1,700,000
St. Charles	St. Charles County	8042	I-70 Lane Addition (Westbound) - Bryan Rd To TR Hughes Blvd Widen 3 To 4 Lanes	\$4,123,600	\$9,357,400
St. Charles	St. Charles County	8046	Matson Hill Park Trail, Phase 1 - Duke Rd To MO 94 - Road Paving (Locally Funded) Bike Trail (10') - 0.2 Mile N/O MO 94 To 0.1 Mi S/O Duke Rd	\$700,092	\$1,810,984
St. Charles	St. Charles County	8045	Matson Hill Park Trail, Phase 2 - Matson Hill Park Trailhead To Duke Rd Sharrow - Chicane - Gravel Shoulder (1') - Lighting	\$794,659	\$1,206,028
St. Louis	St. Louis County	8052	Dorsett Road (West) - 2025 - Marine Ave To Calamaide Dr Resurfacing - Curb Ramps	\$787,220	\$1,126,800
St. Charles	St. Peters	8058	Mexico Road Sidewalk - First Executive Ave To Jungermann Rd Sidewalk (5') - Relocate Utilities	\$1,114,038	\$1,392,548
St. Charles	St. Peters	8059	Mid Rivers Mall Shared Use Path - Former Rt N To N/O MO 364 - Shared Use Path (10') Right Turn Ln To Home Depot (Locally Funded)	\$800,000	\$1,211,675
St. Louis	Wildwood	8065	MO 100 - At Hawks Rest Rd, Hencken Rd, Woodland Meadows Dr And Booness Ln -- Left Turn Lanes	\$2,186,400	\$2,733,000
St. Louis	Wildwood	8064	MO 100 - At MO T/St. Albans Rd And Pond Rd Construct J Turns	\$2,341,600	\$2,927,000
St. Louis	Wildwood	8066	Old State Road - At Ridge Rd Construct Roundabout - Shared Use Path (10')	\$1,840,000	\$2,300,000