



Road Board Agenda Wednesday, December 15, 2021

The County Road Board meeting will be held on Wednesday, December 15, 2021, beginning at 4:00 p.m. in the St. Charles County Administration Building, 201 N Second Street, Room 542, St. Charles, MO. Due to the COVID-19, St. Charles County is taking numerous precautions to best protect the employees and the community, we are asking for the Road Board members only to attend the meeting in person.

PUBLIC ATTENDANCE AND COMMENT WILL BE PERMITTED THROUGH THE LINK BELOW.

Microsoft Teams meeting [Click here to join the meeting](#)

1. Call to Order
2. Roll Call
3. Approval of Minutes – November 17, 2021
4. Public Comment
5. Existing Project Overages – discussion
 - a. City of Lake St. Louis
 - b. City of St. Charles
 - c. City of O’Fallon
6. New Project – discussion
 - a. City of O’Fallon – Emergency Bridge Replacement
7. Road Board Recommendation Action
 - a. Existing Project Overages
 - b. New Project
8. Other Business

Next Scheduled Meetings: Wednesday, January 19, 2022 (tentative)
Wednesday, February 16, 2022 (Election of Chairman and Vice Chairman)

9. Adjournment

Posted by: Kelly McGrath
Date: December 13, 2021

2022 - 2024 TIP Project Amendments

SPONSOR	NAME		
TIP PROJECTS	recommended amendment to existing project		
TIP PROJECTS	recommended new project		
Lake Saint Louis	Lake Saint Louis Boulevard – I-70 Roundabout	\$ 765,000.00	Original funds
	split 80/20	\$ 610,000.00	additional funds Amendment 1
		\$ 1,375,000.00	TOTAL FUNDS
Saint Charles	Little Hills Expressway & Mel Wetter Roundabout	\$ 500,000.00	Original funds
	split 50/50	\$ 150,000.00	additional funds Amendment 1
		\$ 650,000.00	TOTAL FUNDS
Saint Charles	Muegge Road Interchange Improvements	\$ 4,000,000.00	Original funds
	approved 1/7/2020 split 50/50	\$ 829,270.00	additional funds Amendment 1
	split 50/50	\$ 1,500,000.00	additional funds Amendment 2
		\$ 6,329,270.00	TOTAL FUNDS
O'Fallon	I-70 @ Route M/K Interchange	\$ 6,250,000.00	Original funds
	approved 2/16/2018 split 50/50	\$ 992,461.20	additional funds Amendment 1
	split 50/50	\$ 320,000.00	additional funds Amendment 2
		\$ 7,562,461.20	TOTAL FUNDS
O'Fallon	West Elm Street Extension	\$ 628,000.00	Original funds
	split 80/20	\$ 87,384.00	additional funds Amendment 1
		\$ 715,384.00	TOTAL FUNDS
O'Fallon	N Cool Springs bridge replacement	\$ 222,000.00	request

Lake Saint Louis – LSL Blvd. / I-70 RAB

- Project Cost in Application - \$2,250,000
- Project Cost Estimate Prior Bid - \$2,899,453
 - Used MODOT Construction Cost data from recent bids
 - Scope changes and inflation 2018 to 2021: \$341,880
- Project Cost as Bid - \$3,510,236
 - Cost of recent inflation alone ~ \$610,000
- Agreement Amends County Contribution from \$765,000 to \$1,375,000. or \$610,000



FY2021-2022 Unfunded Project Costs

I70 Corridor Project Phase 1:

- Original Agreement Cost: \$6,250,000
- Overrun: \$640,000
- Proposed Split: 50/50
- Reason for Overrun: MODOT final project reconciliation costs have been submitted to the City for review and payment. This cost was not anticipated at the time the original applications would have been submitted and significantly more than what the City could have anticipated. The overrun for the project was largely caused by unforeseen conditions with soils within the MODOT owned and maintained I70 bridge structure over Hwy K/M. The actual conditions of the soils were not conducive to support the soil nail wall designed for the project, due to failed joints in the pavement section of the bridge transitions. These failed joints allowed water to infiltrate into the soil which in turn caused it to liquify to a point that would not support the designed soil nail system. Additional geotechnical testing and construction modifications were needed to ensure the integrity of the soil nail walls would be acceptable. There were also various other unforeseen costs, such as the additional length of fiber relocation work required along the corridor between TR Hughes and Hwy K.



FY2021-2022

Unfunded Project Costs

W. Elm St Improvements Project:

- Original Agreement Cost: \$628,000 Project Estimate: \$785,000
- Overrun: \$109,230
- Proposed Split: 80/20
- Reason for Overrun: This project incurred some unforeseen costs that are likely related to the recent national inflation rate increasing, industry delays, and general cost increases/impacts due to the COVID pandemic. The original county road board agreement, dated back in 2016 for FY2017- 2019, would provide an amount of up to \$628,000 (80% of total project cost of \$785,000). The project was let in July 2020 to where the accepted low construction bid was for an amount of \$790,000.
- The actual total cost of the project is \$894,230(Design/ROW/Construction)
- Request = \$87,384



FY2021-2022 Unfunded Project Costs

I70 Corridor Project Phase 2:

- Original Agreement Cost: \$2,500,000
- Overrun: TBD after letting on 1/11/22
- Proposed Split: TBD
- Reason for Overrun: Due to the recent national inflation, industry delays, and general cost increases/impacts related to the COVID pandemic, MODOT has recently seen bids come in approximately 40% higher on average when compared to the engineers cost estimates for projects that held lettings in November 2021. That said, the Ph2 project is anticipated to have bids come in at the scheduled letting date of January 11, 2022. The engineers estimate amount as of this date is \$4,600,000 (rounded). Should the City see the same cost increase average, the project cost would increase approximately \$1,840,000, for a total construction cost of \$6,440,000. It is understood that we don't have a true accurate bid cost as the letting has not occurred, but the City believes this to be a warranted concern for this project and valuable potential use of these funds.



FY2021-2022

Unfunded Project Costs

N. Cool Springs Bridge Replacement:

- Original Estimated Cost: New Request
- Construction Cost: \$444,000
- Proposed Split: 50/50
- Reason for Overrun: The City found a significantly deteriorated old county road bridge structure along a section of the now City owned minor collector known as N. Cool Springs Rd. The road is located in the northern portion of O'Fallon. This structure is currently being scheduled for replacement on an emergency basis, and load capacity has been reduced to light passenger car and truck traffic on only half of the bridge at this time. This effort is based upon a report provided by the City's on-call engineering firm CMT. The County and City have had initial discussions for possible funding aid to get this repaired as quickly as possible. The estimated amount of construction to replace the structure is \$444,000.

Muegge Rd. Interchange Improvements

2016 APPLICATION

	County	Sponsor	Total
Design	\$700,000	\$700,000	\$1,400,000
Utility Relocations	\$30,000.00	\$30,000.00	\$60,000
Right-of-Way	\$1,100,000	\$1,100,000	\$2,200,000
Construction	\$6,870,000	\$6,870,000	\$13,740,000
TOTAL	\$8,700,000	\$8,700,000	\$17,400,000

CURRENT FUNDING AGREEMENT

	City of St. Charles	St. Charles County	Federal STP	MoDOT Cost Share	Total
Design	\$549,837.50	\$549,837.50	\$0.00	\$0.00	\$1,099,675.00
Right-of-Way	\$17,500.00	\$17,500.00	\$0.00	\$0.00	\$35,000.00
Construction	\$4,261,932.50	\$4,261,932.50	\$1,000,000.00	\$5,000,000.00	\$14,523,865.00
TOTAL	\$4,829,270.00	\$4,829,270.00	\$1,000,000.00	\$5,000,000.00	\$15,658,540.00

CURRENT PROJECT COST SUMMARY

	City of St. Charles	St. Charles County	Federal STP	MoDOT Cost Share	Total
Design (Concept Study, PE, & CE)	\$1,299,407.00	\$1,299,407.00	\$0.00	\$0.00	\$2,598,814.00
Right-of-Way	\$19,729.00	\$19,729.00	\$0.00	\$0.00	\$39,458.00
Construction	\$5,018,343.73	\$5,018,343.73	\$1,000,000.00	\$5,000,000.00	\$16,036,687.46
TOTAL	\$6,337,479.73	\$6,337,479.73	\$1,000,000.00	\$5,000,000.00	\$18,674,959.46

Muegge Rd. Interchange Improvements

County Funding Request Summary

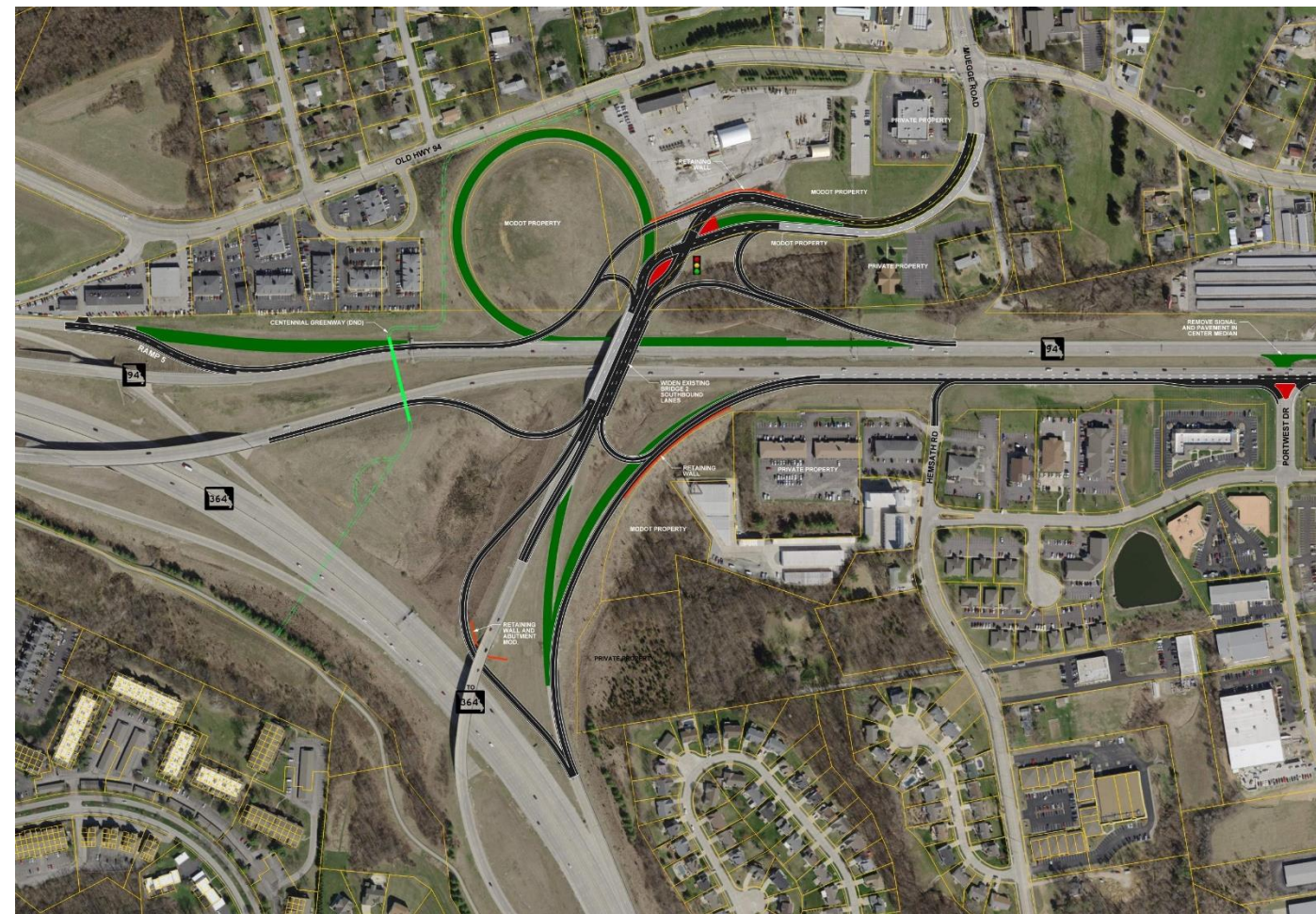
Funding Estimate: \$15,658,540.00
Actual Costs: \$18,674,959.46
- \$3,016,419.46

Request for City and County to Split Overages
City: \$1,508,209.73
County: \$1,508,209.73



November 17, 2021

Department of Engineering



Little Hills Expy & Mel Wetter Pkwy Roundabout

Participating Cost Summary

	County	Sponsor	Federal	Total
2018 Application Construction Estimate	\$415,000.00	\$415,000.00	\$830,000.00	\$1,660,000.00
2021 Actual Bid Amount	\$563,073.86	\$563,073.86	\$830,000.00	\$1,956,153.73
Project Overages	\$148,076.86	\$148,076.86		\$296,153.73

County Funding Request Summary

Funding Construction Estimate: \$1.7M
Actual Construction Bids: \$2.0M
-\$0.3M

Request for City and County to Split Overages

City: \$150,000
County: \$150,000



November 17, 2021

Department of Engineering