

NEMO RPC
Northeast
District

2020-2024 STIP Projects
under Construction

SFY

2021

2022-2026 Draft STIP
SFY

2022

2023

2024

2025

2026

MoDOT Maintenance Operations
Work Plan
CY&Type

2022-2023 Planned-Cold Mix

2022-2023 Full Length-Seal Coat

2021 Windfarm-Cold Mix

2021 Planned Maintenance-Cold
Mix

2021 Maintenance Deficit-Cold Mix

AMP Deficit Paving
Projects

SFY

2022

2023

2024

▲ FOCUS Bridges

■ FARM Bridges

□ NEMO RPC



Missouri Department of Transportation
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May 5, 2021

NEMO RPC

TRANSPORTATION ADVISORY COUNCIL

NOVEMBER 17, 2021

TAC

1

MHTC Update

The Missouri Highway & Transportation Commission addressed poor pavement conditions on minor and low volume routes in a special September workshop

2

Funding Update

The new state fuel tax and the recently passed federal transportation bill will mean additional revenues for Missouri's many transportation needs

3

Needs Rankings

Rankings by TAC members have been compiled and the 2021 TAC Needs list will be presented for consideration and vote for submission to MoDOT

4

Multimodal Needs

Multimodal needs will be discussed and ranked for approval to submit to MoDOT as part of the 2021 TAC needs list.

NORTHEAST MISSOURI REGIONAL PLANNING COMMISSION

Transportation Advisory Council

Missouri Highway and Transportation Commission

UPDATES

Thursday, September 9, 2021

- Of special interest to the NEMO RPC, the MHTC held a special workshop session following the regular September meeting to address asset management and low volume, minor road investment.
- The Asset Management Deficit Program is adding \$15 million a year over the next three years to address pavement quality, with roughly \$4 million headed to the Northeast District maintenance program in 2022 and again in 2023 and \$3.3 million in 2024 for a total of \$11.3 million.
- An extra \$10 million annually is heading into the STIP to address these same concerns. The program will add \$2.7 million in projects to the STIP for the Northeast District in 2022 and again in 2023 and 2024. New to the discussion was the SB262 Condition Deficit Program, resulting from the newly approved fuel tax increase, which will use the same distribution formula for a second installment of \$15 million annually statewide (bringing the annual statewide investment to a total of \$40 million). It is projected to infuse \$4.05 million into the Northeast District STIP programming in 2023 and 2024 for a total annual Northeast District investment of nearly \$11 million in 2022-2024.



“That 30 point disparity in condition in our low volume roads is really, substantially outside of any reasonable boundary that our citizens should be subjected to.”

MoDOT Director Patrick McKenna referencing low volume road conditions in his presentation to the MHTC on Sept. 9th.

Missouri Highway and Transportation Commission Workshop

- MoDOT Chief Safety and Operations Officer Becky Allmeroth praised the new Maintenance Management System which she says is now allowing Maintenance to clearly demonstrate the need for additional funding and she said as a result, for the first time in the last 15 years, operations received a bump in funding.
- She highlighted the 2010 reduction in maintenance facilities, when MoDOT went from 281 down to 167, closing roughly 40% of its maintenance sites.
- While the operations budget remained basically unchanged since 2008, she noted that inflation had reduce that buying power by nearly 50% in the same time frame due to higher costs.



“I’ve been here in operations for 26 years, and probably for 20 of that we’ve been saying, we need more money, we need more money in operations, but it was very hard to quantify here is exactly what we need and here is what our gap is. I couldn’t be more thrilled to have this system in place to do that,” she said.

- **Becky Allmeroth**
MoDOT Chief Safety and
Operations Officer

Missouri Highway and Transportation Commission Workshop

- Director McKenna addressed the logistical concerns for maintenance, which he stated was operating beyond capacity. As a result, he stated much of the additional asset management deficit funding would go into the STIP to be performed by contract labor.
- Commissioner Terry Ecker, expressed frustration that more funding was not targeting the worst pavement conditions in northern Missouri.

“It’s pretty significant to move large parts of the system 15% and 10%. To do more than that in a three-year period, I think it is going to pretty difficult, mostly because of capacity of our folks and the contracting industry.”

Ed Hassinger,
MoDOT Deputy
Director and Chief
Engineer

“Keeping a road in good condition is cheaper ultimately than chasing first all the failed roads. It’s counter intuitive, but in the pursuit of applying so much money to the worst condition roads, and I know this is a frustrating thing to hear, we would lose more roads that are in good condition and they would work themselves into a poor condition at a rate higher than we could keep up with. That is what asset management does. It is horrible public relations, but it’s the best financial application of limited resources in managing a large system.”

Patrick McKenna, MoDOT Director

MORE MONEY

- MISSOURI FUEL TAX
SENATE BILL 262
- FEDERAL INFRASTRUCTURE
INVESTMENT JOBS ACT

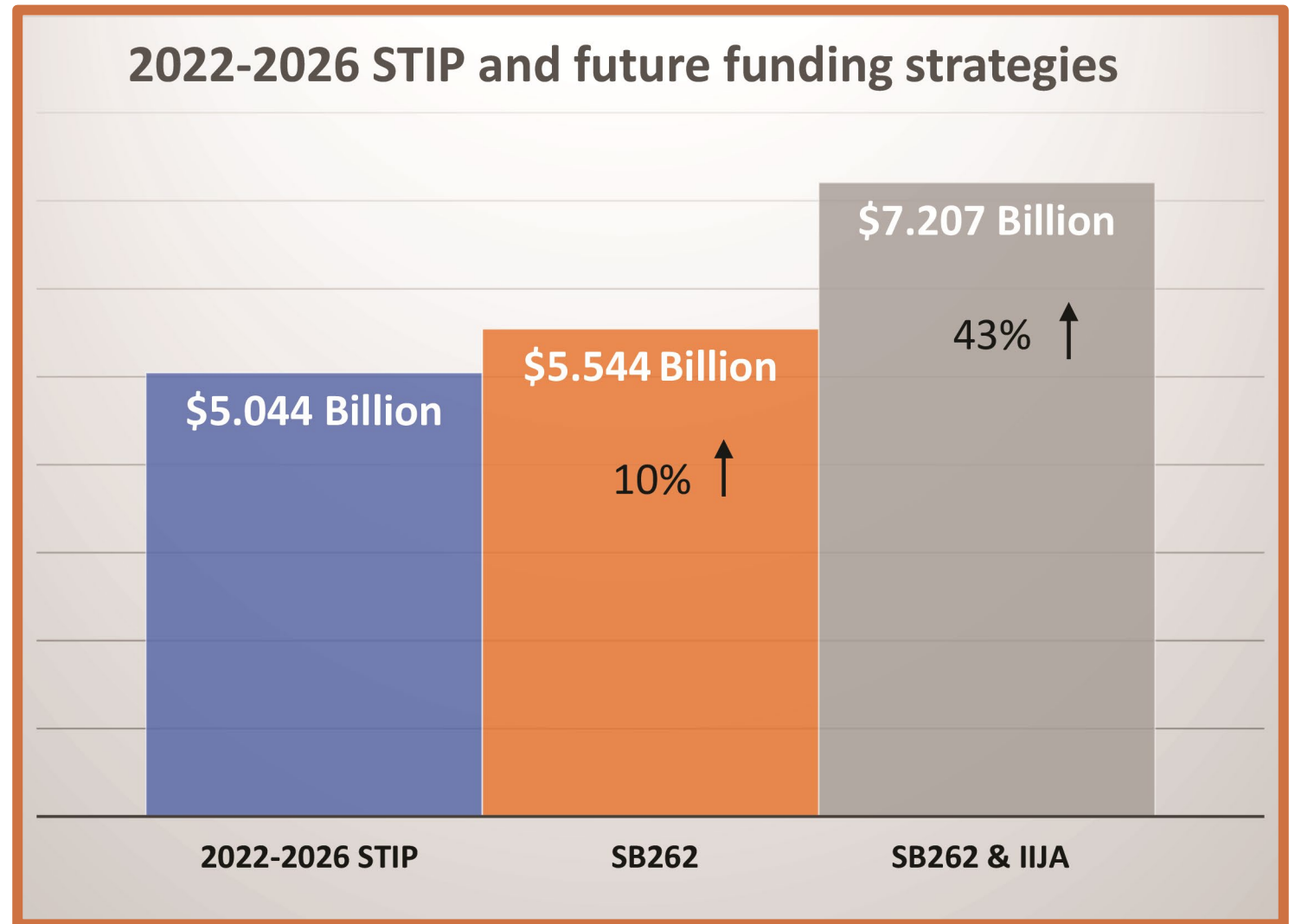
SB 262 could increase transportation funding by \$450+ million once fully implemented, \$330 million a year to MoDOT's State Road Fund and \$125 million (30%) to cities and counties for local projects.

Missouri is expected to receive \$6.5 billion for federal highway programs and \$484 million for bridge repairs and replacements over the next five years as part of the \$1.2 trillion federal infrastructure bill recently signed into law.



Federal Infrastructure Investment Jobs Act

- Missouri is projected to receive \$6.5 billion for federal-aid highway apportioned programs and \$484 million for bridge replacement and repairs under the Infrastructure Investment and Jobs Act over five years
- Missouri can also compete for the \$12.5 billion Bridge Investment Program for economically significant bridges and nearly \$16 billion of national funding in the bill dedicated for major projects that will deliver substantial economic benefits to communities.
- \$674 million over five years to improve public transportation options across the state and airports in Missouri would receive approximately \$246 million for infrastructure development over five years



MoDOT funding outlook with new fuel tax and federal funding infusions, shared by MoDOT Planning and Programming Coordinator Llans Taylor at the MACOG November 2021 meeting.

New Funding

- Based on review of the new IIJA funding, AASHTO is projecting that Missouri could see a 30% – 45% increase in funding to the core formula program.
- In a recent interview with the *Missouri Independent*, MoDOT Director McKenna indicated the extra funding will be directed to the state's Unfunded Needs List.

Tier I Unfunded Needs (2021 DRAFT)

■ Schuyler County – Route A resurfacing	\$760,000
■ Adair County – Route V Bridge	\$600,000
■ Knox County – Route F Bridge	\$577,000

NEMO RPC - \$1.937 million of \$22.803 million or 8.5% of MODOT Northeast District total Tier I package

Tier II Unfunded Needs (2021 DRAFT)

■ Knox County – School Turning Lane	\$820,000
■ Adair County – US 63 Bypass safety study	\$100,000
■ Lewis County – School Turning Lane	\$590,000
■ Scotland County – Route M resurfacing	\$1,013,000
■ Clark County – Route A resurfacing	\$1,383,000
■ Scotland County – Route U resurfacing	\$1,099,000

NEMO RPC - \$5.005 million of \$95.295 million, or 5% of MODOT Northeast District total Tier II package

Unfunded Needs

- Unfunded Needs 2021 Draft identifies \$543 million in Tier I, \$2.1 billion in Tier II and \$2.2 billion in Tier III projects statewide.
- \$214.4 million in projects in the 17-county Northeast District
- \$17.32 million in projects for the 6 NEMO RPC counties
- NEMO RPC accounts for 8% of the project funding in the Northeast District and 0.3% of the project funding statewide

Tier III Unfunded Needs (2021 DRAFT)

■ Schuyler County – US63 Study shared 4 lane	\$1,000,000
■ Knox County – Route BB Bridge	\$807,000
■ Adair County – Route N Bridge	\$523,000
■ Schuyler County – Route U resurfacing	\$470,000
■ Adair County – Route P pavement improvements	\$393,000
■ Knox County – Route K Bridge	\$1,019,000
■ Scotland County – Route MM resurfacing	\$385,000
■ Scotland County – Bus. 136 resurfacing	\$100,000
■ Lewis County – Route 16 Route 6 intersection	\$550,000
■ Schuyler County - Route K resurfacing	\$361,000
■ Lewis County – Route H Bridge	\$1,552,000
■ Knox County – Highway 11 add shoulders MO15 to Route 129	\$3,214,000

NEMO RPC allocated \$10.374 million of \$96.258 million or 10.8% for MODOT Northeast District Tier III

NEMO RPC

Northeast District

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2022-2026 Draft STIP

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MoDOT Maintenance Operations Work Plan

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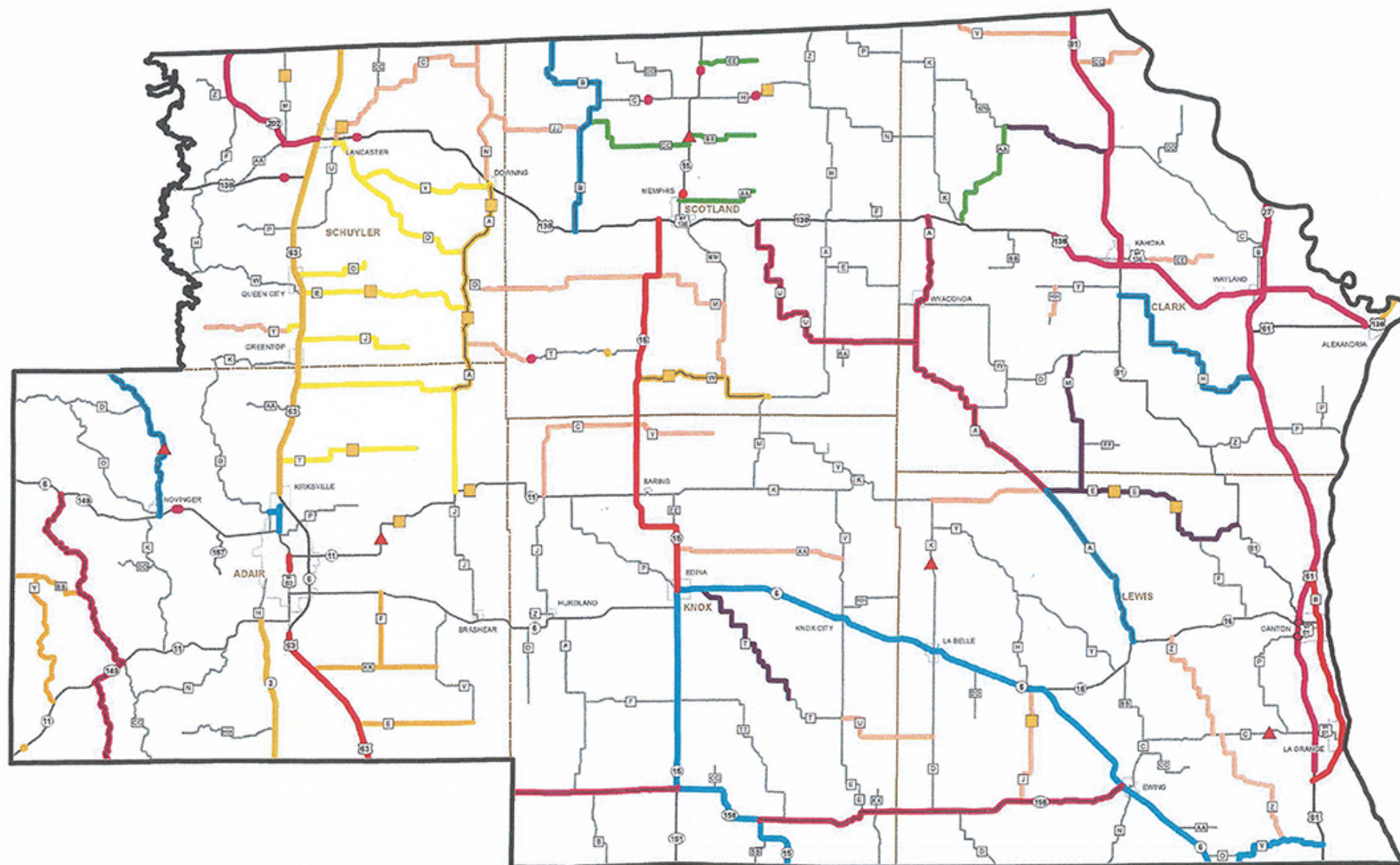
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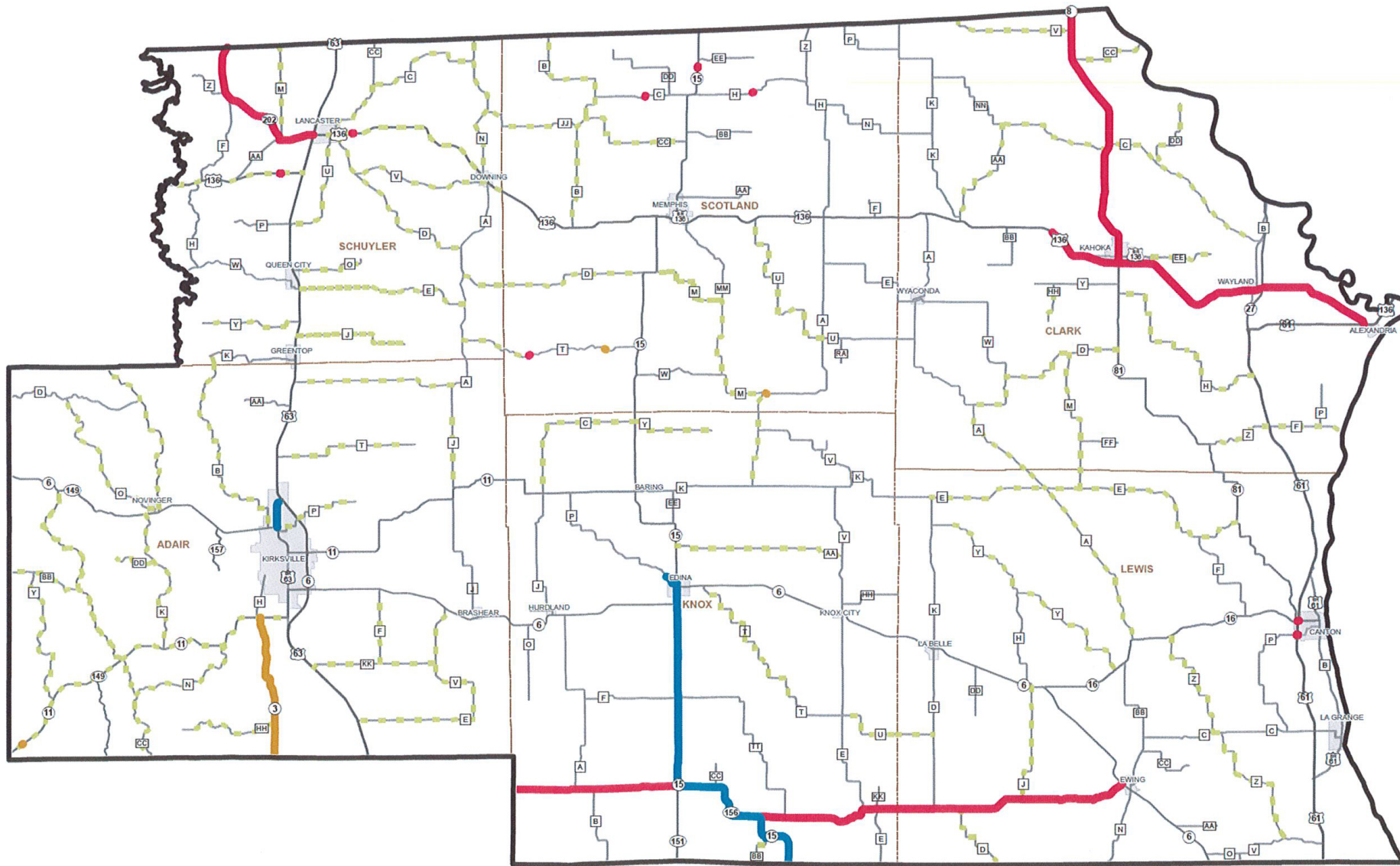
■ FARM Bridges

□ NEMO RPC



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NORTHEAST District Minor and Low Volume Summary

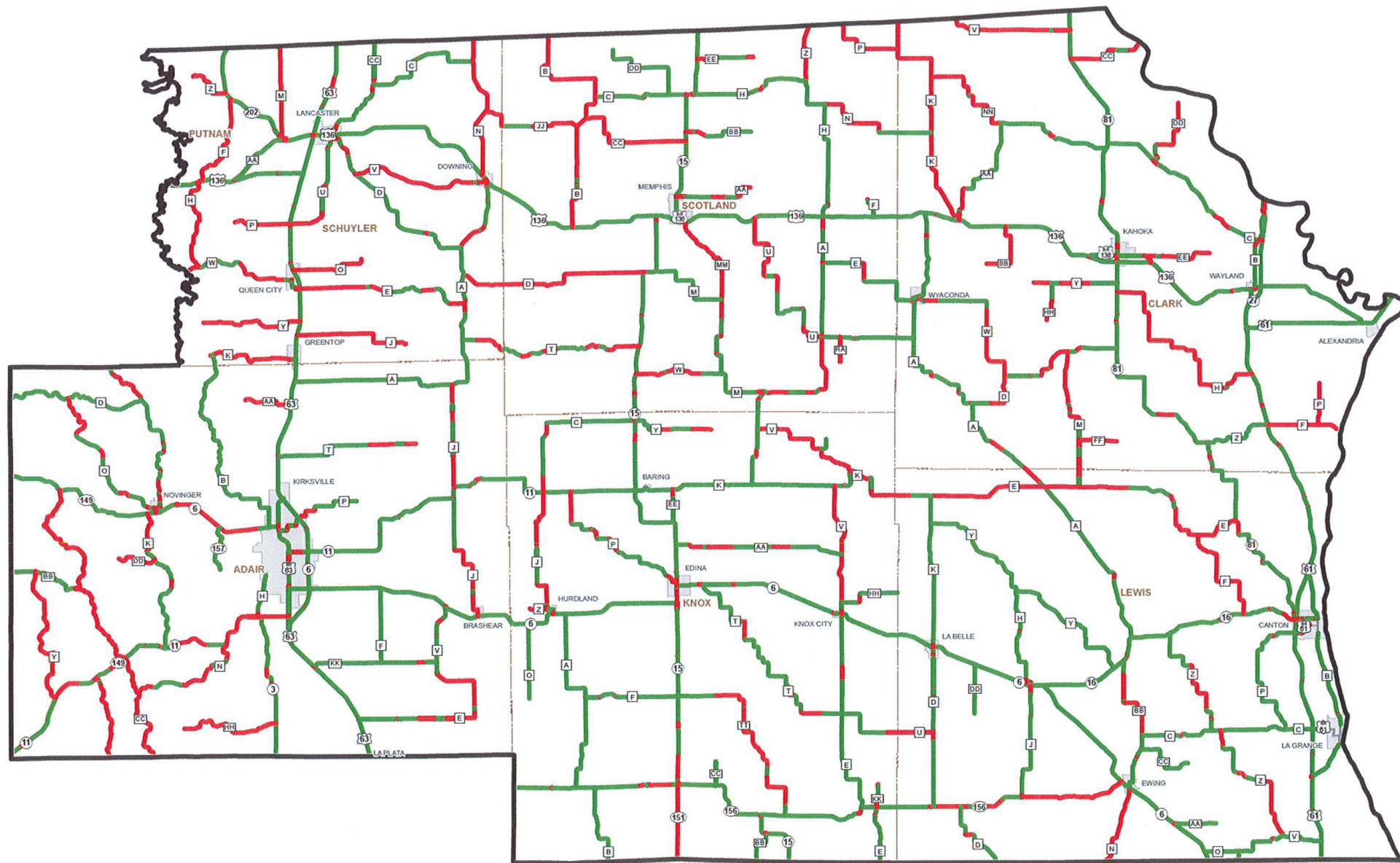
2022-2026 Contract Work SFY	Lane Mile	Cost	# Bridges	# Projects
	510	\$26.5M	4	22

- 2022
- 2023
- 2024
- 2025
- 2026

2021-2023 MoDOT Maintenance Operations	Lane Mile	Cost
Asphalt Pavement Repair *	230	\$6.9M
Chip Seal/Seal Coats	0	NA

*Note: Work covers portions of the route.





Tracker Condition

- Good
- Not Good

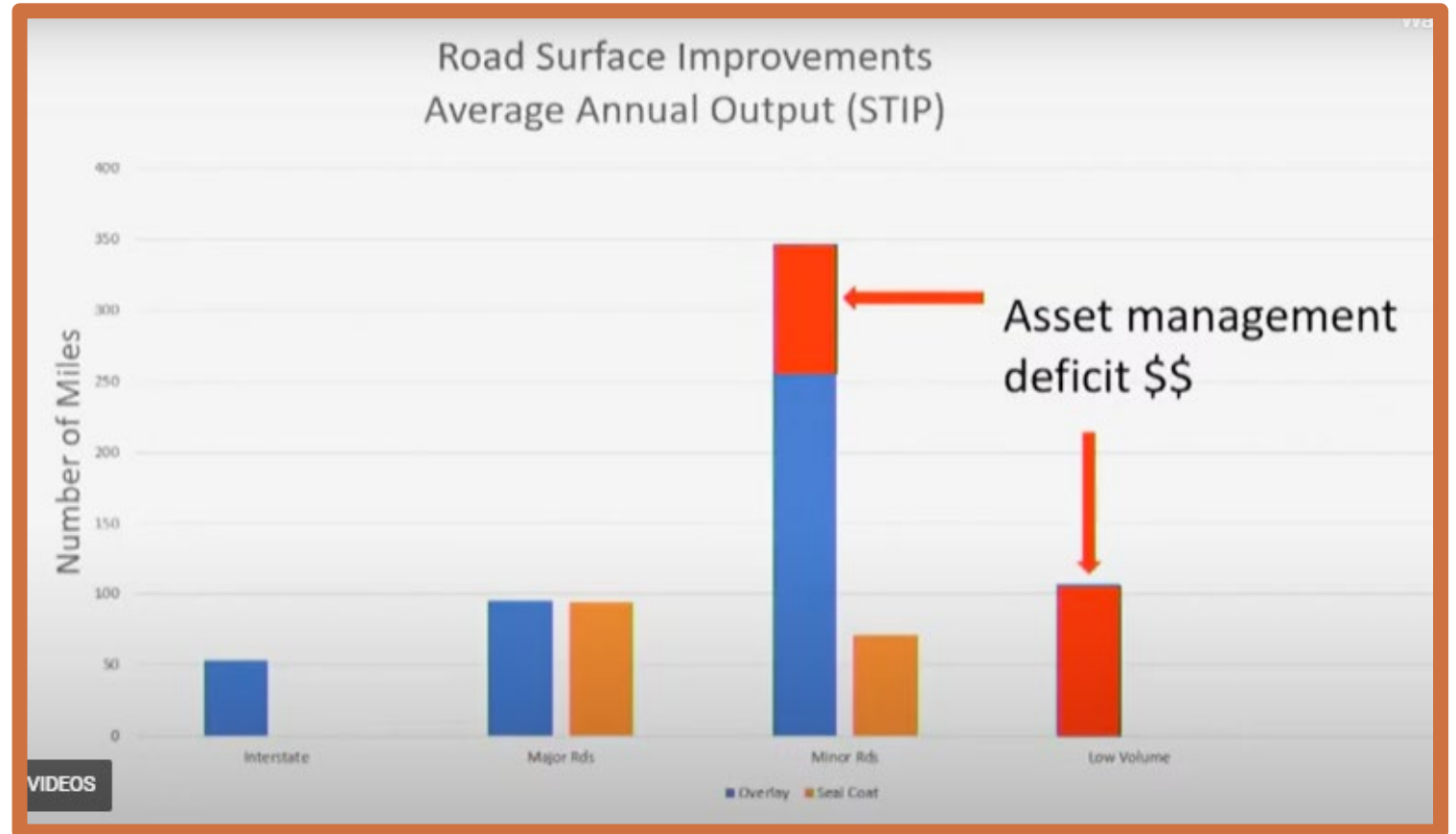


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June 17, 2021

ASSET MANAGEMENT

Improving Pavement Condition,
Resurfacing Rough Roads

- New asset management deficit funding has allowed the northeast district of MoDOT to bump the lane miles of minor route resurfacing in the district each year from 250 to 350 miles total each of the next three years.
- Low volume resurfacing has increased from 0 miles to 100 miles in the district as well.



The MoDOT Northeast District report shared the data pictured above with the Missouri Highway and Transportation Commission at the August 4, 2021 meeting.

Unfunded Needs DRAFT

Comments or questions
can be submitted to
MoDOT on the Unfunded
Needs draft by
Wednesday, Dec. 22 using
this comment form.

<https://www.modot.org/submit-comments>

The Northeast District public hearing on the Unfunded Needs Draft will be held Monday, November 29 from 4-6 p.m. at the Audrain County Courthouse in Mexico, MO

Missouri

DRAFT

HIGH-PRIORITY UNFUNDED NEEDS



Nov. 2021



2021 NEEDS LIST NEW RANKINGS

<u>County/Route</u>	<u>Location/Potential solution</u>	<u>Need ID</u>	<u>ADT</u>	<u>Pavement Condition</u> <u>Average IRI</u>	<u>Bridge</u> <u>Condition</u>	<u>High, Medium, or</u> <u>Low</u>
Adair/Schuyler 63	Kirksville to Iowa Border; construct shared 4-lane	AD SCH 4	3,600 north of KV - 950 north of Lancaster			
Adair 11	Add shoulders though entire county	AD 3	350-725	145		
Clark 136 & 81	Kahoka; turn lane	CL 1	1,000-2000 US136; 500 MO81			
Clark 81	Replace bridge over BNSF RR	CL 6	430		5-5-5	
Clark C	From Rte. 81 to Rte. 27; surface and shoulder repair	CL 9	200-250	162 (Minor Route <140 = good)		
Knox 6	Entrance to High School near Edina; turn lane	KN 1	1430			
Knox F	Replace bridge over Little Fabius River (in Scoping)	KN 7	60		3-6-5 Posted for Load	
Knox K	Replace bridge over Middle Fabius River	KN 8	120		4-6-5 Posted for Load	
Knox 11	Replace bridge over N. Fk. S. Fabius River	KN10	350		6-5-6	
Knox K	Replace bridge over unnamed stream near EE	KN11	120		5-5-5 One Lane Bridge	
Lewis 61	Rte. 16 to Rte. P; Auxiliary lane	LE 2	5130			
Lewis 6 & 16	Intersection near Lewistown; sight distance	LE 3	1050-1450 MO6 530 MO16			
Lewis K	North of LaBelle; add shoulders	LE 6	200-300	120		
Lewis 6	High School near Ewing; turn lane	LE 7	1050			

2021 NEEDS LIST NEW RANKINGS

Lewis H	Replace bridge over Middle Fabius River (in Scoping)	LE 15	37		3-5-6 Posted for Load	
Schuyler Various	All lettered routes; surface repair	SCH 2				
Scotland 15	Memphis, Madison St. intersection; visibility/congestion/radii	SCO 2	1600			
Scotland MM	Resurface MM from Memphis to Rutledge	SCO 12	310	230 (Minor Route <140 = good)		
NEW PROJECTS ADDED FOR CONSIDERATION 2021						
Adair P	Pavement improvements/pedestrian upgrades		1300-1600 Northtown Rd 870-900 to US63	166 (Minor Route <140 = good)		
Adair N	Road resurface		180	231		
Adair E	Replace Bridge X0160		80		4-6-5 Posted for Load	
Adair J	Resurface Route 11 to Brashear		200	214		
Clark 136	Replace Bridge F0955		1000		4-4-6	
Clark K	Resurface Road		110	234		
Knox BB	Replace Bridge P0989		26		3-6-5 posted for Load	
Knox 151	Resurface Road		100	195(Minor Route <140 = good)		
Lewis N	Resurface Road		215	230 (Minor Route <140 = good)		
Lewis H	Replace Bridge R0153		40		3-6-6 Posted for Load	
Schuyler N	Resurface Road		320	225 (Minor Route <140 = good)		
Schuyler 63	Shoulder Repairs		2000-3000			
Schuyler U	Resurface Road		140	222		
Schuyler K	Resurface Road		115	233		
Schuyler D	Resurface Road		100-320	202		

2021 NEEDS LIST NEW RANKINGS

Scotland 136 Bus	Resurface Road		650	310 (Minor Route <140 = good)		
Scotland D	Resurface Road		140	221		
DO NOT RANK BELOW PROJECTS - HAVE ALREADY BEEN ADDED TO PROGRAMMING						
Adair Bus. 63	Brewington Ave. to Rte. 6; center turn lane	AD 1				In FY21 – Do not rank
Adair Bus. 63/Baltimore	Patterson to Illinois; Surface repair, ADA improvements and drainage improvements	AD 6				
Adair 11	Replace bridge over Floyd Creek	AD 12				FARM BRIDGE
Clark H	From Rte. 81 to Rte. 61; surface and shoulder repair	CL 10				Hot Mix Overlay FY2022
Clark 61/136	Raise road at Alexandria	CL 7				In STIP FY 2023-24
Knox 15	Add shoulders through county	KN 5				
Knox 15	From Rte. AA to curve, north of Edina; rain/hydroplane issue	KN 6				Remedied by resurfacing
Knox 6	Intersection at 6/15 is very rough	KN 9 (new)				Remedied by resurfacing
Lewis E	Replace bridge over Sugar Creek	LE 13				FARM BRIDGE
Lewis E	Replace bridge over Derrah's Branch	LE 14				FARM BRIDGE
Lewis J	Replace bridge over Big Grass Creek	LE 16				FARM BRIDGE
Schuyler M	Replace 1 lane bridge over S. Fork N. Fabius River	SCH 1				In FY24 – Do not rank
Schuyler 136	Bridge over abandoned RR; 1 mile west of Rte. 63	SCH 5				In STIP FY2022-23
Scotland 15	Replace bridge over Foreman Branch	SCO 4				In FY21 – COMPLETED
Scotland 15	Replace bridge over N. Fork Wyaconda River	SCO 6				FY21 STIP
Scotland 15	Add shoulders from Memphis south	SCO 11				COMPLETED

2021 NEEDS LIST NEW RANKINGS

County/Route	Project	ID	SCORE
Knox 6	Entrance to High School near Edina; turn lane	KN 1	70
Lewis 6	High School near Ewing; turn lane	LE 7	70
Clark 136	Replace Bridge F0955		62
Lewis 61	Rte. 16 to Rte. P; Auxiliary lane	LE 2	60
Adair J	Resurface Route 11 to Brashear		56
Lewis 6 & 16	Intersection near Lewistown; sight distance	LE 3	54
Scotland 136 Bus	Resurface Road		54
Lewis H	Replace Bridge R0153		52
Schuyler 63	Shoulder Repairs		52
Clark 136 & 81	Kahoka; turn lane	CL 1	50
Schuyler N	Resurface Road		50
Clark 81	Replace bridge over BNSF RR	CL 6	48
Knox K	Replace bridge over Middle Fabius River	KN 8	48
Adair/Schuyler 63	Kirkville to Iowa Border; construct shared 4-lane	AD SCH 4	46
Knox 11	Replace bridge over N. Fk. S. Fabius River	KN10	44
Adair E	Replace Bridge X0160		42
Knox F	Replace bridge over Little Fabius River (in Scoping)	KN 7	40
Lewis H	Replace bridge over Middle Fabius River (in Scoping)	LE 15	40

Scotland 15	Memphis, Madison St. intersection; visibility/congestion/radii	SCO 2	40
Knox BB	Replace Bridge P0989		40
Schuyler K	Resurface Road		40
Schuyler U	Resurface Road		38
Clark C	From Rte. 81 to Rte. 27; surface and shoulder repair	CL 9	36
Schuyler D	Resurface Road		36
Scotland MM	Resurface MM from Memphis to Rutledge	SCO 12	34
Adair P	Pavement improvements/pedestrian upgrades		34
Lewis N	Resurface Road		34
Scotland D	Resurface Road		34
Adair N	Road resurface		32
Adair 11	Add shoulders though entire county	AD 3	30
Clark K	Resurface Road		30
Knox 151	Resurface Road		30
Knox K	Replace bridge over unnamed stream near EE	KN11	28
Schuyler Various	All lettered routes; surface repair	SCH 2	26
Lewis K	North of LaBelle; add shoulders	LE 6	22

A total of 35 projects were eligible for prioritization by each of the 17 current TAC members (Schuyler County has one vacant TAC seat).

Each TAC member was asked to rank 12 projects as HIGH priority (5 points); 12 projects as MEDIUM priority (3 points) and 11 projects as LOW priority (1 point) and submit the scoring prior to November 15th.

Above are the final prioritization scores for the 35 NEMO RPC TAC priority needs based on needs rankings submitted by participating representatives prior to November 17, 2021.

2021 MULTIMODAL RANKINGS

<u>County/Rte</u>	<u>Type</u>	<u>Description of need/Potential Solution</u>	<u>High, Medium, or Low</u>
All counties	Transit	Additional funding of OATS for more days of service.	
Adair	Aviation - MMAD 8	Kirksville Airport; Terminal building improvements, hangar improvements, runway improvements	
Adair	Bike/Ped MMAD 11	Fund last phase of three phase Forest Lake Area Trails System (FLATS) to connect Thousand Hills State Park to Kirksville	
Adair	Bike/Ped	Kirksville; Sidewalks along Bus. Rte. 63/Baltimore from New St. to Rte. 6 West	Funded with TAP – Do not rank
Lewis	Bike/Ped MMLE 12	Canton; Sidewalks along Bus. Rte. 61/Rte. P; Culver Stockton to Ayerco	
Lewis	Port	Develop new port site location	
Clark	Port	Feasibility/Market Study for Alexandria port site	
Scotland	Bike/Ped	Memphis sidewalk project Square to 136 Business area/ Fitness Center	
Adair	Bike/Ped	City of Kirksville Sidewalk Rotary Park Connectivity	
All Counties	Bike/Ped	MoDOT 100% Fund TAP program/ currently 50%	

Multimodal projects do not compete versus road and bridges for funding. Sidewalks, airports, rail and river ports are funded thru separate federal and state sources.

There are 9 identified projects. Please rank 3 HIGH; 3 MEDIUM; and 3 LOW.

The NEMO RPC Transportation Planner dropped the ball and didn't get this list distributed with the TAC Needs list for scoring.

You can score them now on your individual score sheets and he will tabulate and produce the list for final vote to submit to MoDOT, or the TAC can discuss the projects and work jointly to rank from #1 to #9.