



Flint Hills Metropolitan Planning Organization

206 Southwind Place, Suite 2B | Manhattan, KS | 66503
785.620.3070 | FHMPO@FlintHillsMPO.org
www.FlintHillsMPO.org

Technical Advisory Committee Meeting

Wednesday, March 6, 2024
1:00 pm

In Person:

Auditorium
Manhattan Public Library
629 Poyntz Ave
Manhattan, KS 66502

Virtual:

Zoom meeting
Meeting ID: 919 154 6755
Passcode: 148813

1. Welcome & Introductions
2. Public Comment Opportunity (for items not on the agenda)
3. Staff Updates:
4. KDOT Update:
5. **ACTION ITEM:** Approve January 3, 2024 Meeting Minutes
6. **ACTION ITEM:** Recommend approval of Amendment #2 of the Transportation Improvement Program (TIP)
7. **ACTION ITEM:** Recommend approval of 2024 Unified Planning Work Program (UPWP) Amendment #2
8. **ACTION ITEM:** Recommend approval of the Preservation Performance Measures
9. **DISCUSION ITEM:** Regional growth projections
10. **Adjournment by Chair**

Next meeting scheduled for April 3, 2024



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**Technical Advisory Committee
 Meeting Minutes**

Wednesday, January 3, 2024 at 1:00 pm

In Person:
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 629 Poyntz Ave
 Manhattan, KS 66502

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 Zoom meeting
 Meeting ID: 919 154 6755

Voting Members Present		
X	Corey Trumppp	Geary Co. Public Works
X	Ray Ibarra (Chair)	Junction City Public Works
	Troy Livingston	Junction City/Geary County Zoning
	Nathan Bergman	Pottawatomie Co. Public Works
	Casey Frisbie	Wamego Public Works
X	Gregg Webster	Pottawatomie County Zoning
X	Cameron Matthews	Wamego Zoning
	Amanda Webb	Riley County Planning
x	Karen Becker (Vice-Chair)	Manhattan Public Works
	John Ellerman	Riley County Public Works
X	John Adam	Manhattan Community Development
X	Ryne Dowling	Kansas Dept. of Transportation
X	Anne Smith	Flint Hills aTa Bus
	Jeff Barnes	K-State Transportation Services

Non-Voting Members Present		
	Daniel Nguyen	Federal Highway Admin.
	Owen Washburn	Fort Riley
	Eva Steinman	Federal Transit Admin.
x	Angela Schnee	City of Ogden
	Vacant	City of Grandview Plaza
	Ben Wheeler	City of St. George
x	Stephan Metzger	PT County Zoning

Staff Present	
x	Jared Tremblay
x	Abigail Danner

Members of the Public Present	

1. Welcome & Introductions

- Meeting was called to order at 1:00pm.

2. Public Comment Opportunity

- There were no public comments.

3. Staff Updates

- Jared Tremblay noted the EV Readiness Plan RFP was sent out on Jan. 2nd, with proposals due back in early February. He stated the next stage of the TDM will begin shortly, and he will be reaching out to all TAC members to set up meetings about future projects and land use.

4. KDOT Update

- Ryne Dowling provided an update to a question at the December meeting in regards to KDOT project KA-6541-02 (I-70 & Taylor Rd Interchange). The letting date is set for May 2027.
- Ryne also noted that the US-24 and Flush Rd report is now available for the public. Jared Tremblay stated he would send it out to TAC members.

5. ACTION ITEM: Approve December 6, 2023 Meeting Minutes

- John Adam motioned and Anne Smith seconded. Motion passed unanimously

6. ACTION ITEM: Recommend approval of 2024 Unified Planning Work Program (UPWP) Amendment #1

- Jared Tremblay informed the group that the only changes were to do with item 3.5 – Complete Streets and the required 2.5% of funding. The previous version of the UPWP had the item covering 2.5% of the entire budget, but after talking with KDOT the revised budget covers 2.5% of just planning items (3.0).
- Stephan Metzger inquired about the timing of the completion of the TDM, with Jared Tremblay noting that it should be done by the end of the year or early 2025.
- Anne Smith moved to approve and John Adam seconded. Motion passed unanimously.

7. ACTION ITEM: Recommend approval of the Preservation - Transit Performance Measures

- Jared Tremblay provided an overview of the Transit performance measures tracked by the MPO. These include Preservation Performance Measures 9, Useful Life Benchmark (ULB) and 10, Transit Vehicles with >200,000 miles. He noted that overall both metrics remained steady from the 2019/2020 data.
- Cameron Matthews motioned and John Adam seconded. The motion passed unanimously

8. Adjournment by Chair

- The Chair adjourned the meeting at 1:18p

Next meeting scheduled for February 7, 2024



PAVEMENT & BRIDGE CONDITION PERFORMANCE MEASURES

2023 – Annual Data Update*



*Targets set in reporting year 2023



FHWA'S 8 PAVEMENT & BRIDGE CONDITION PERFORMANCE MEASURES



Data Source:
KDOT

- 1 % of Interstate pavements in GOOD condition
- 2 % of Interstate pavements in POOR condition
- 3 % of Non-Interstate NHS pavements in GOOD condition
- 4 % of Non-Interstate NHS pavements in POOR condition



Data Source:
KDOT

- 5 % of NHS bridges by deck area classified as in GOOD condition
- 6 % of NHS bridges by deck area classified as in POOR condition
- 7 % of Non-NHS bridges by deck area classified as in GOOD condition
- 8 % of Non-NHS bridges by deck area classified as in POOR condition

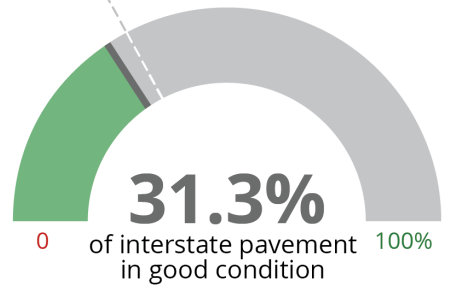




PAVEMENT CONDITIONS: SUMMARY

PM 1: % of Interstate Pavement in Good Condition

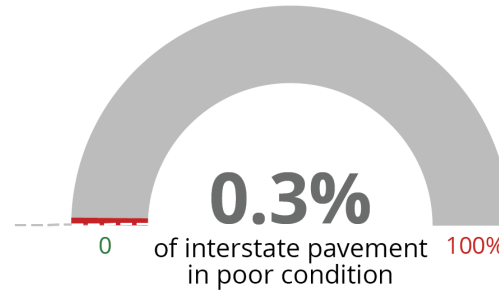
2023 Target: >35.0%



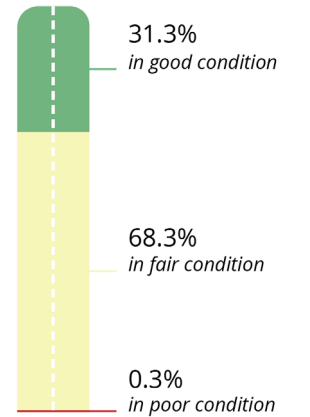
Target Not Met

PM 2: % of Interstate Pavement in Poor Condition

2023 Target: <0.1%

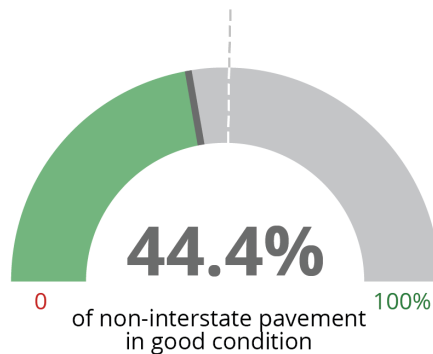


Target Not Met



PM 3: % of Non-Interstate Pavement in Good Condition

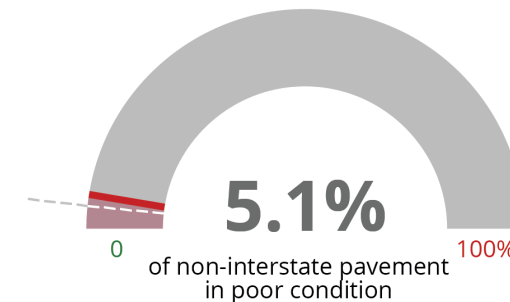
2023 Target: >51%



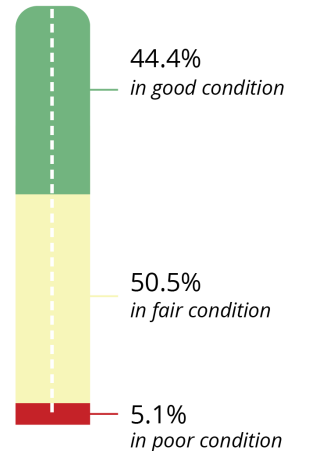
Target Not Met

PM 4: % of Non-Interstate Pavement in Poor Condition

2023 Target: <3.5%



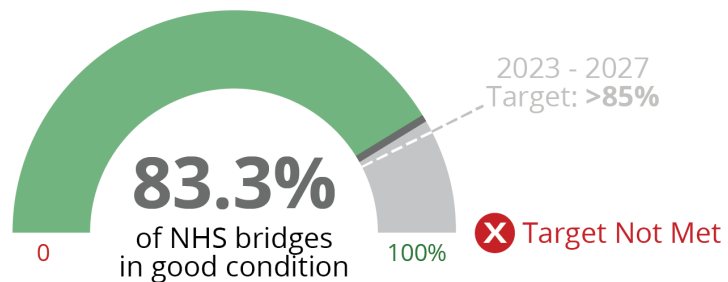
Target Not Met



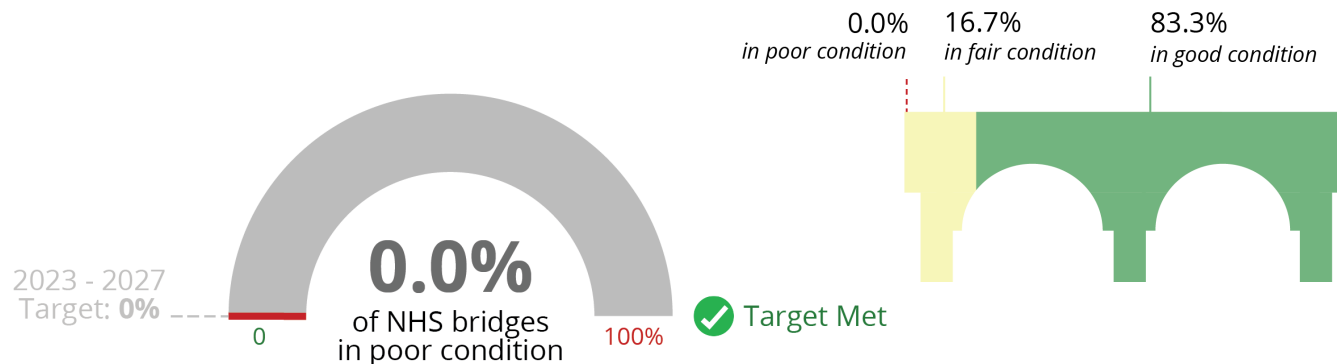


BRIDGE CONDITIONS: SUMMARY

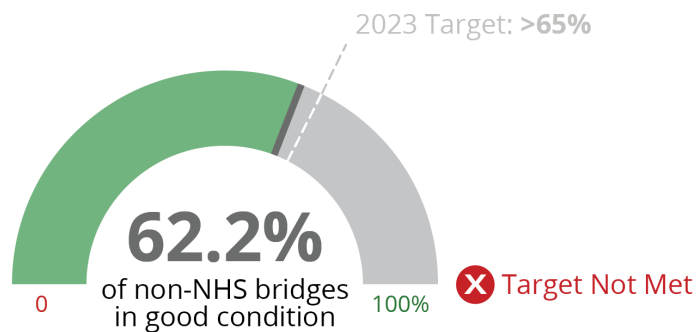
PM 5: % of NHS Bridges in Good Condition



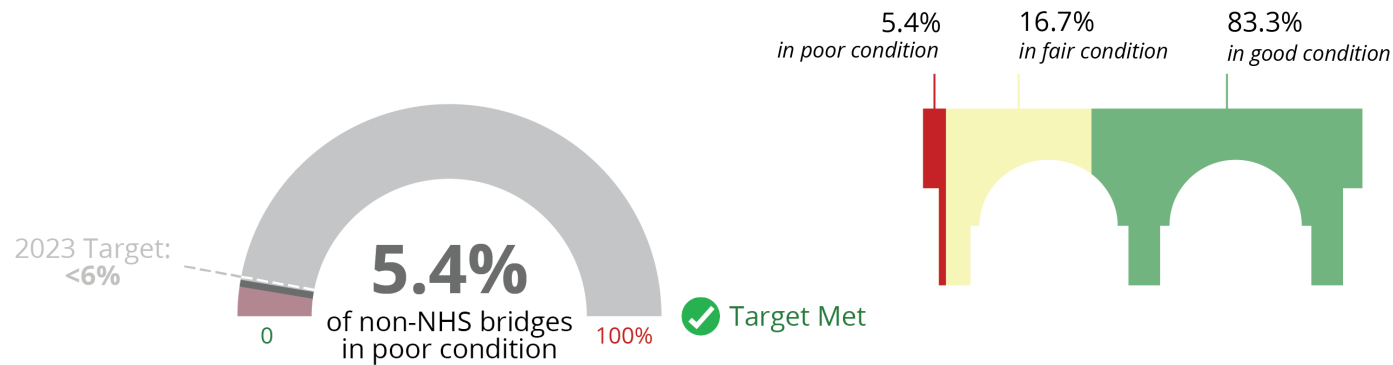
PM 6: % of NHS Bridges in Poor Condition



PM 7: % of Non-NHS Bridges in Good Condition



PM 8: % of Non-NHS Bridges in Poor Condition





BACKGROUND ON PAVEMENT CONDITIONS

- Pavement condition is evaluated by measuring International Roughness Index (IRI), Present Serviceability Index (PSR), Cracking Percent, Rutting, and Faulting (uneven slabs of concrete). See the figure to view the pavement thresholds for good, fair, and poor.
- *2016 was the first year of reported data to comply with federal requirements – Data provided by the Kansas Department of Transportation (KDOT).



§ 490.311 Metric Thresholds in Final Rule

Rating	Good	Fair	Poor
IRI <i>(inches/mile)</i>	<95	95-170	>170
PSR* <i>(0.0-5.0 value)</i>	≥4.0	2.0-4.0	≤2.0
Cracking Percent <i>(%)</i>	<5	<i>CRCP: 5-10 Jointed: 5-15 Asphalt: 5-20</i>	<i>>10 >15 >20</i>
Rutting <i>(inches)</i>	<0.20	0.20-0.40	>0.40
Faulting <i>(inches)</i>	<0.10	0.10-0.15	>0.15

*PSR may be used only on routes with posted speed limit < 40mph.



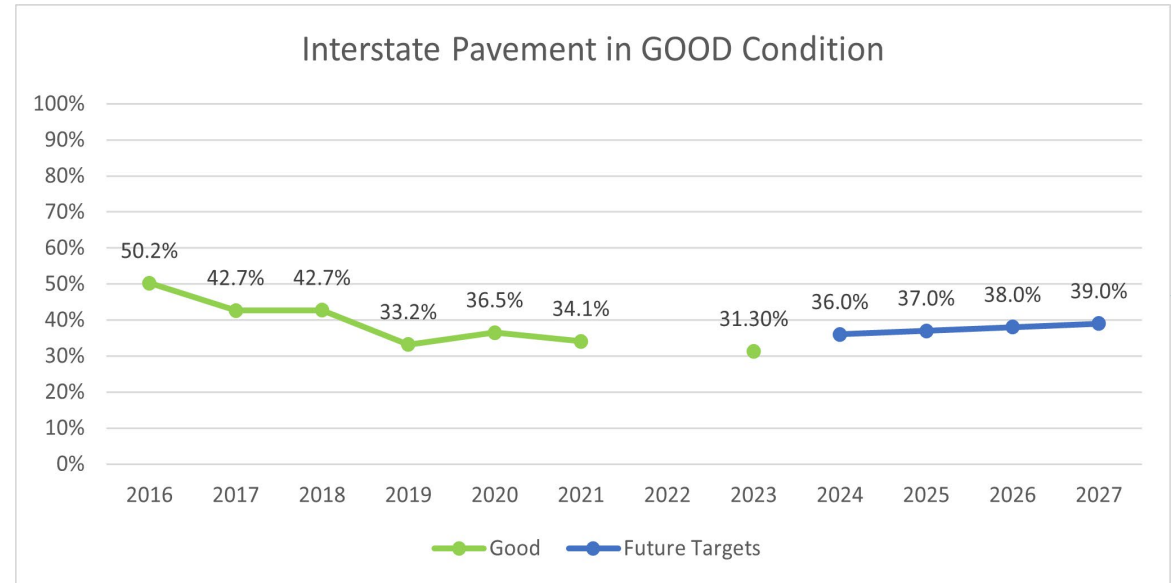


TARGET ①: % OF INTERSTATE PAVEMENTS IN GOOD CONDITION

Year	% in Good Condition	Target
2016	50.2%	
2017	42.7%	
2018	42.7%	50%
2019	33.2%	55%
2020	36.5%	60%
2021	34.1%	65%
2022		-
2023	31.3%	35.0%
2024		36.0%
2025		37.0%
2026		38.0%
2027		39.0%



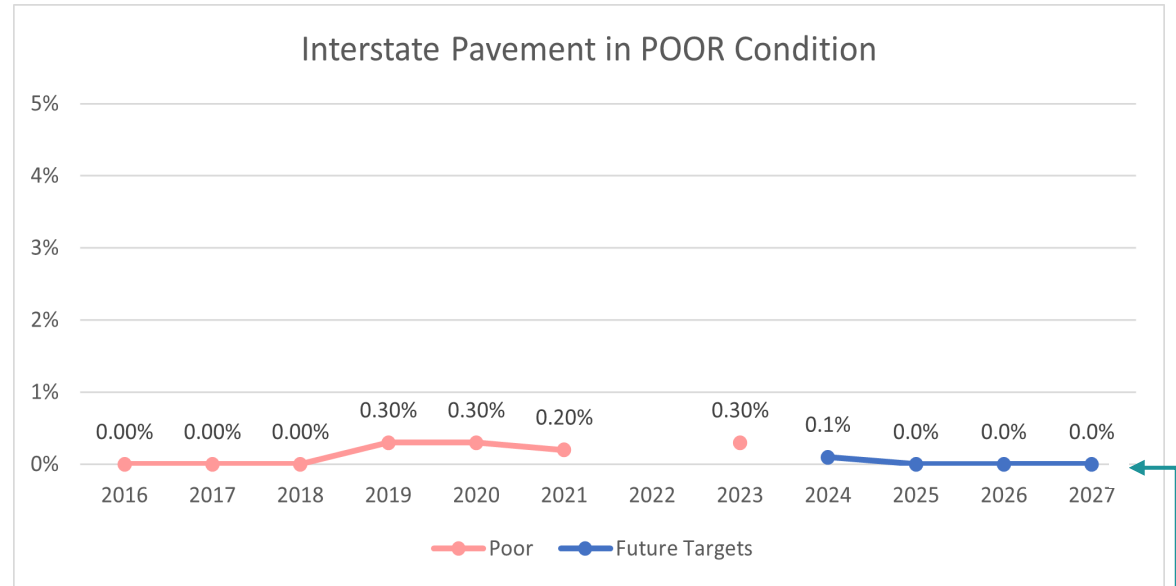
Off Target





TARGET ②: % OF INTERSTATE PAVEMENTS IN POOR CONDITION

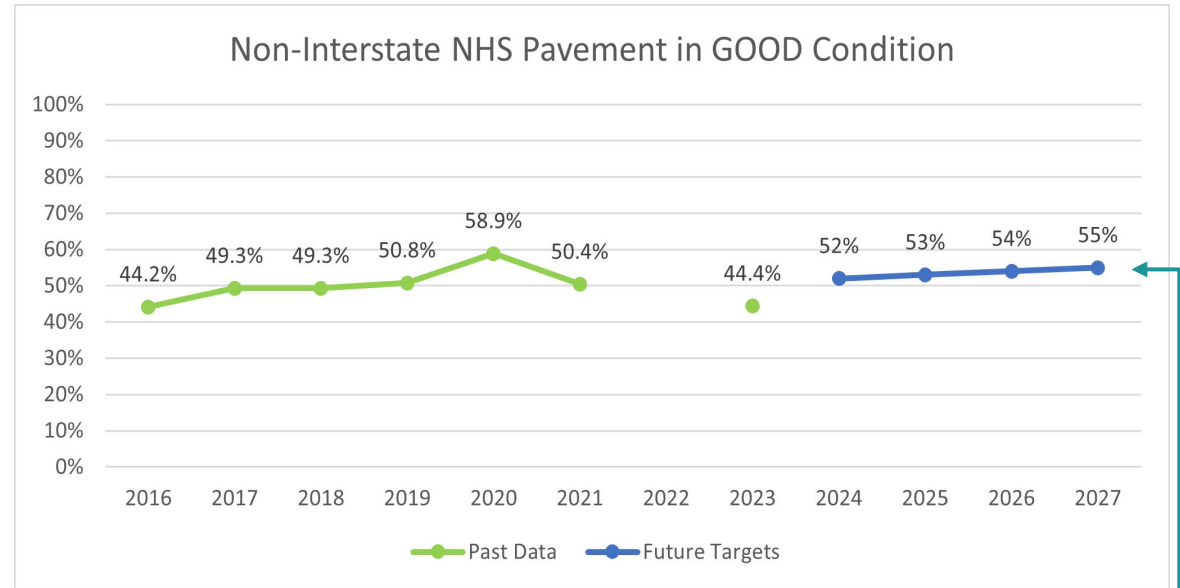
Year	% in Poor Condition	Target
2016	0.0%	
2017	0.0%	
2018	0.0%	0%
2019	0.3%	0%
2020	0.3%	0%
2021	0.2%	0%
2022		-
2023	0.3%	0.1%
2024		0.1%
2025		0.1%
2026		0.0%
2027		0.0%





TARGET 3: % OF NON-INTERSTATE NHS PAVEMENTS IN GOOD CONDITION

Year	% in Good Condition	Target
2016	44.2%	
2017	49.3%	
2018	49.3%	
2019	50.8%	
2020	58.9%	
2021	50.4%	55%
2022		-
2023	44.4%	51%
2024		52%
2025		53%
2026		54%
2027		55%



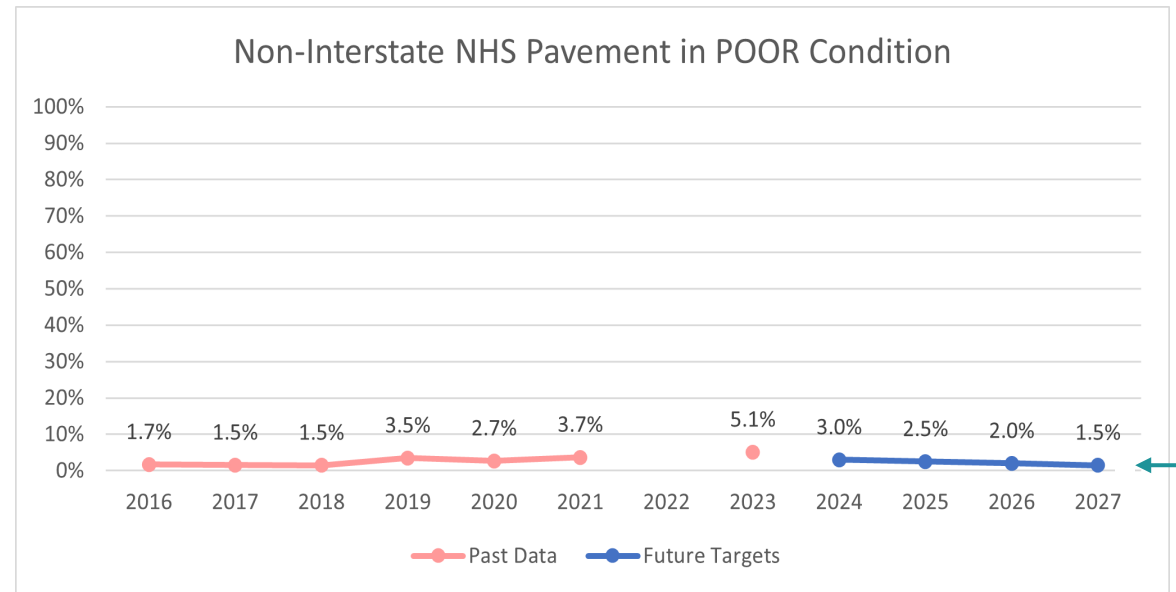


TARGET 4: % OF NON-INTERSTATE NHS PAVEMENTS IN POOR CONDITION

Year	% in Poor Condition	Target
2016	1.7%	
2017	1.5%	
2018	1.5%	
2019	3.5%	
2020	2.7%	
2021	3.7%	2%
2022		-
2023	5.1%	3.5%
2024		3.0%
2025		2.5%
2026		2.0%
2027		1.5%

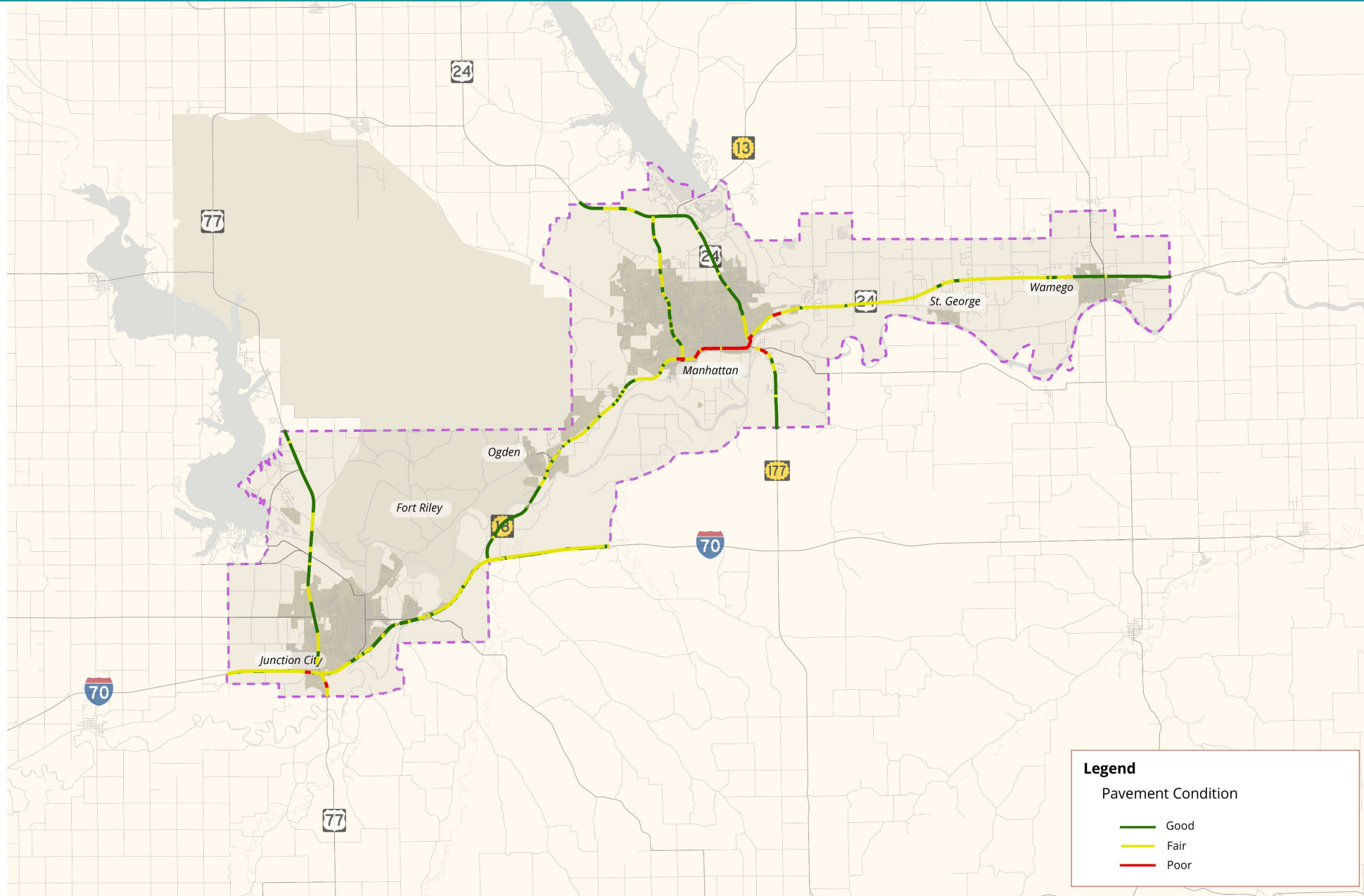


Off Target





PAVEMENT CONDITIONS: ALL NHS ROADWAYS





BACKGROUND ON BRIDGE CONDITIONS

- The Federal government (FHWA) is moving towards utilizing a new metric to evaluate bridges. This metric includes the deck, superstructure, and substructure. The rating is then weighted based on the deck area.

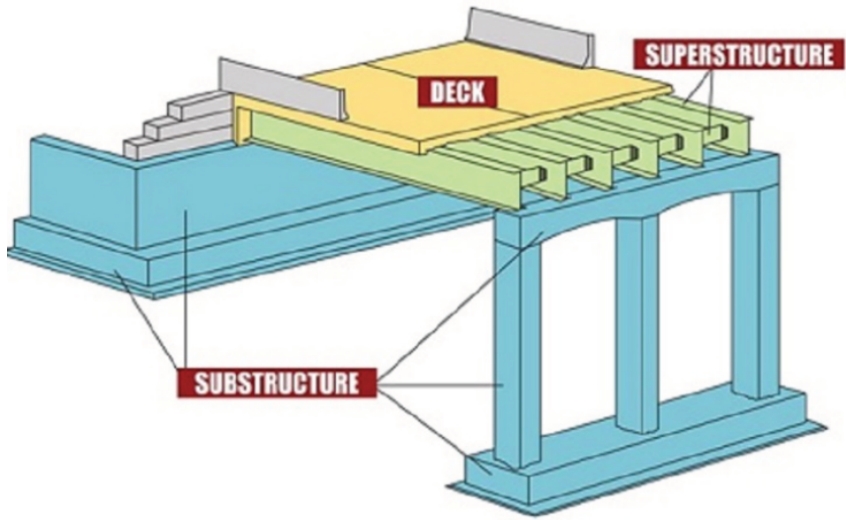


Bridge deck area is the percent of deck area classified as good and poor, using National Bridge Inventory (NBI) condition ratings for Deck, Superstructure, Substructure, and Culvert. Condition is determined by the lowest rating of these items. If the lowest rating is greater than or equal to 7, the bridge is classified as good; if it is less than or equal to 4, the bridge is classified as poor. Deck area is computed using NBI Structure Length and Deck Width or Approach Roadway Width (for some culverts). (Bridges rated below 7 but above 4 will be classified as fair.) See the figures below to view bridge components and the bridge condition thresholds for good, fair, and poor. Data provided by the Kansas Department of Transportation (KDOT).



§ 490.409 Metric Thresholds

NBI Rating Scale <i>(from 0-9)</i>	9	8	7	6	5	4	3	2	1	0
	Good			Fair		Poor				
Deck <i>(Item 58)</i>	≥ 7			5 or 6		≤ 4				
Superstructure <i>(Item 59)</i>	≥ 7			5 or 6		≤ 4				
Substructure <i>(Item 60)</i>	≥ 7			5 or 6		≤ 4				
Culvert <i>(Item 62)</i>	≥ 7			5 or 6		≤ 4				



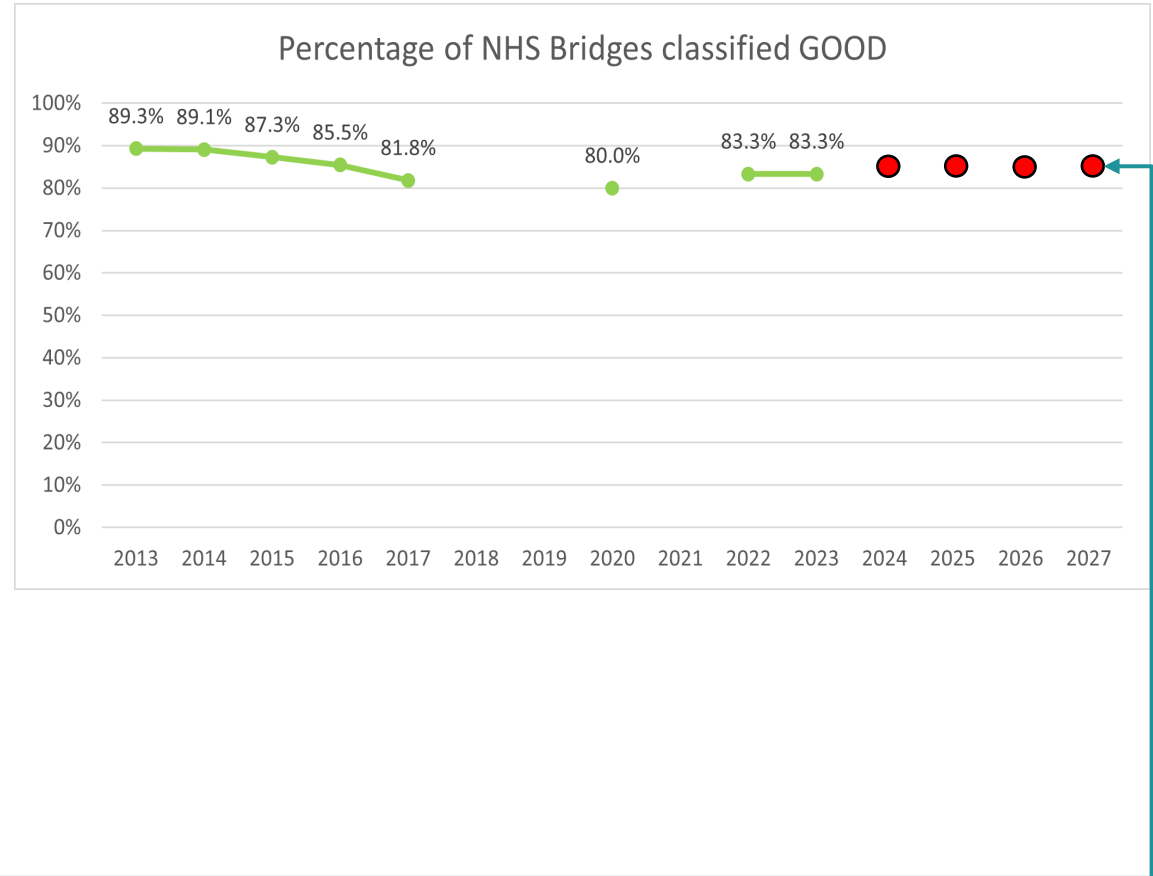


TARGET 5: % OF NHS BRIDGES BY DECK AREA CLASSIFIED AS IN GOOD CONDITION

All current

Year	% in Good Condition	Target
2017	81.8%	
2019	-	
2020	80.0%	
2021	-	70
2022	83.3%	-
2023	83.3%	85%
2024		85%
2025		85%
2026		85%
2027		85%

X
Off Target



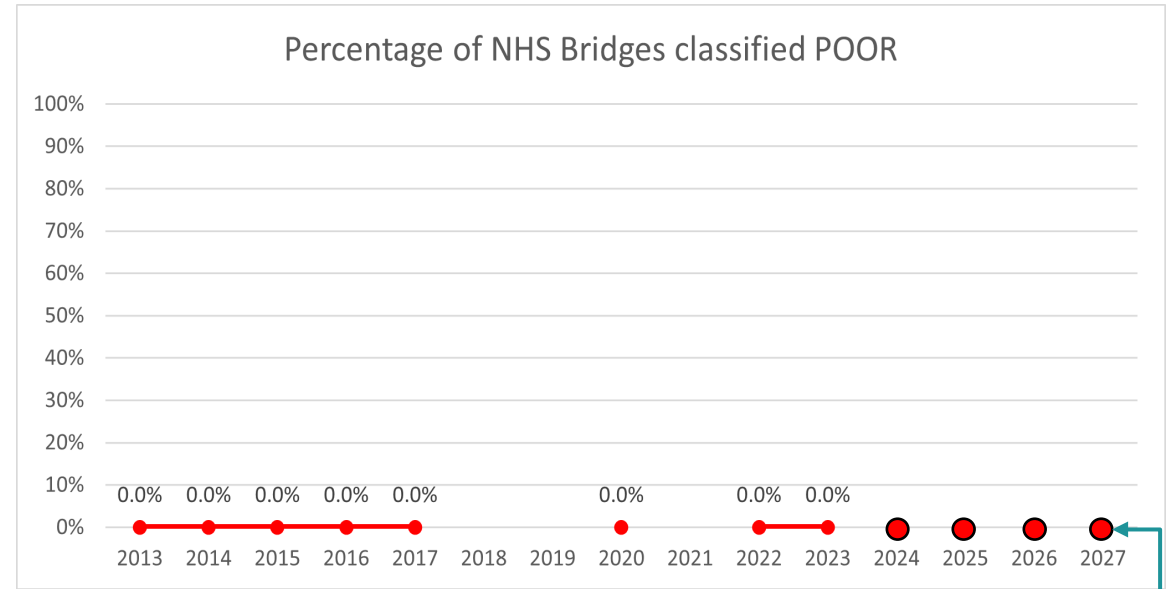


TARGET 6: % OF NHS BRIDGES BY DECK AREA CLASSIFIED AS IN POOR CONDITION

All current

Year	% in Poor Condition	Target
2017	0.0%	
2019	-	
2020	0.0%	
2021	-	0
2022	0.0%	-
2023	0.0%	0%
2024		0%
2025		0%
2026		0%
2027		0%


On Target





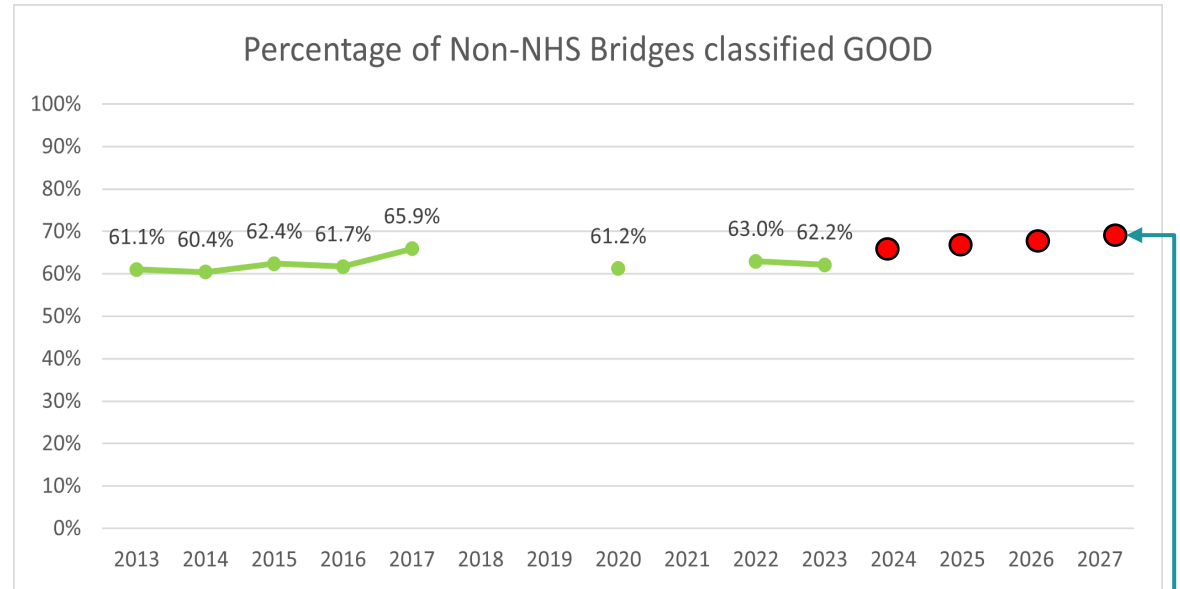
TARGET 7: % OF NON-NHS BRIDGES BY DECK AREA CLASSIFIED AS IN GOOD CONDITION

All current

Year	% in Good Condition	Target
2017	65.9%	
2019	-	
2020	61.2%	
2021	-	69
2022	63.0%	-
2023	62.2%	65%
2024		66%
2025		67%
2026		68%
2027		69%



Off Target





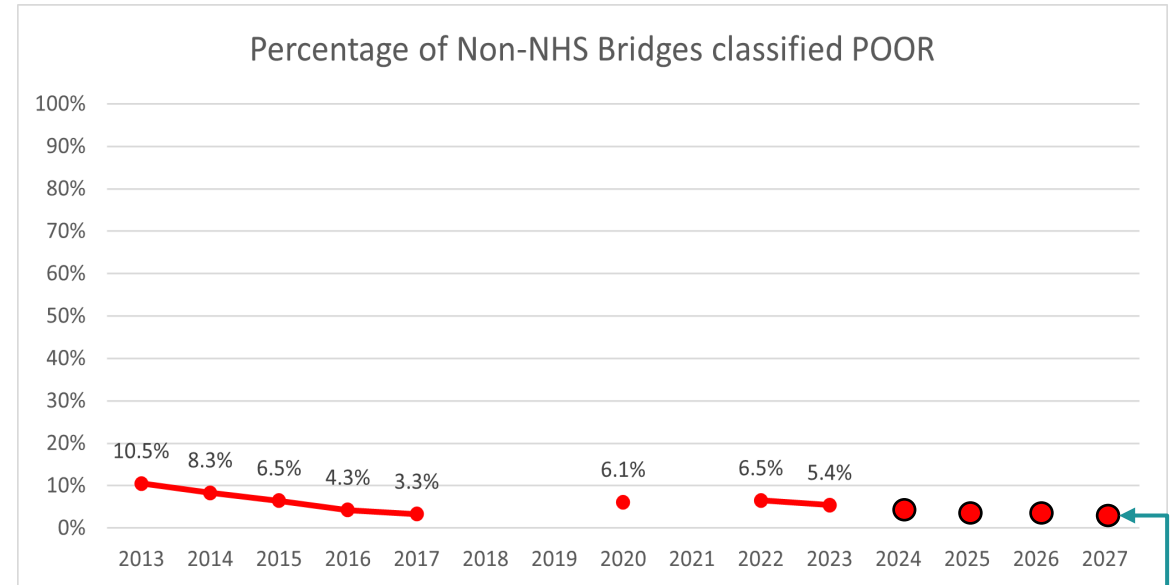
TARGET 8: % OF NON-NHS BRIDGES BY DECK AREA CLASSIFIED AS IN POOR CONDITION

All current

Year	% in Poor Condition	Target
2017	3.3%	
2019	-	
2020	6.1%	
2021	-	3
2022	6.5%	-
2023	5.4%	6%
2024		6%
2025		5%
2026		5%
2027		4%



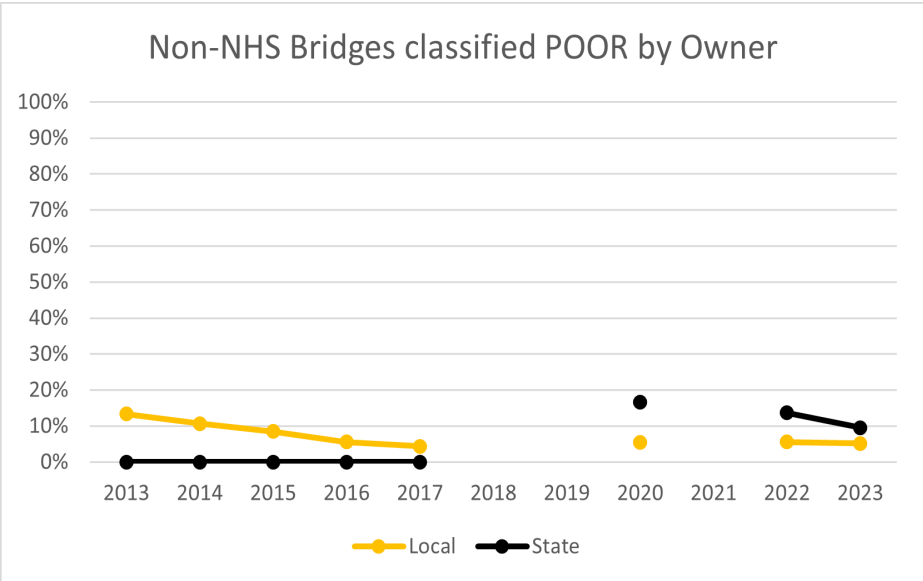
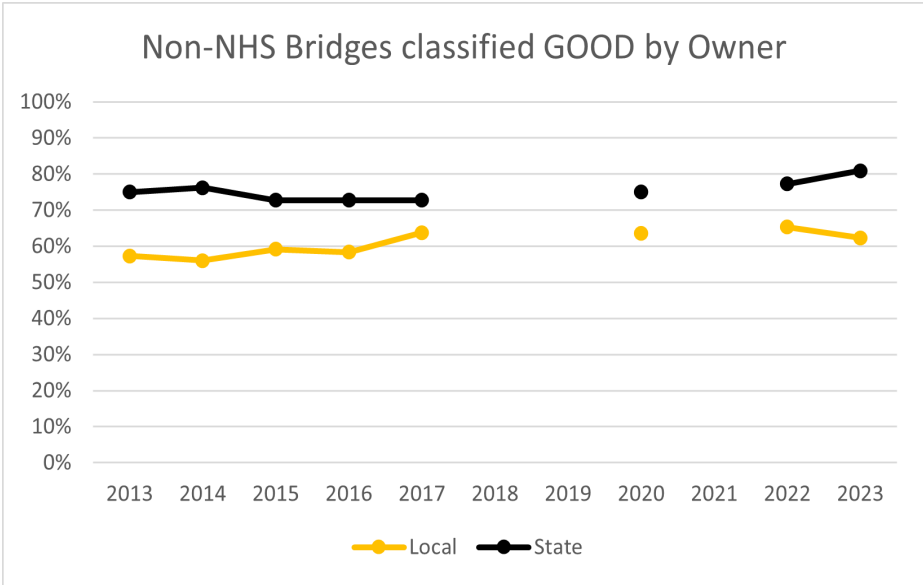
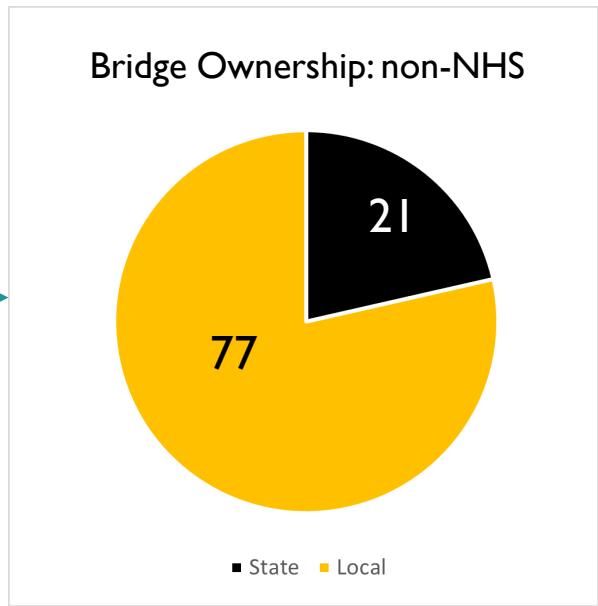
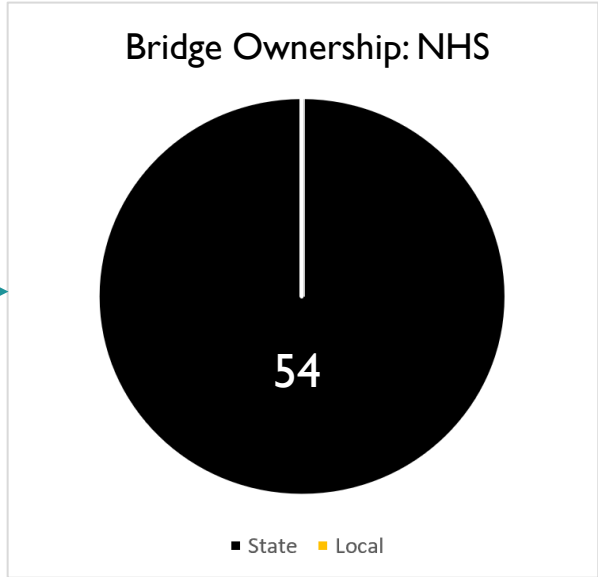
On Target





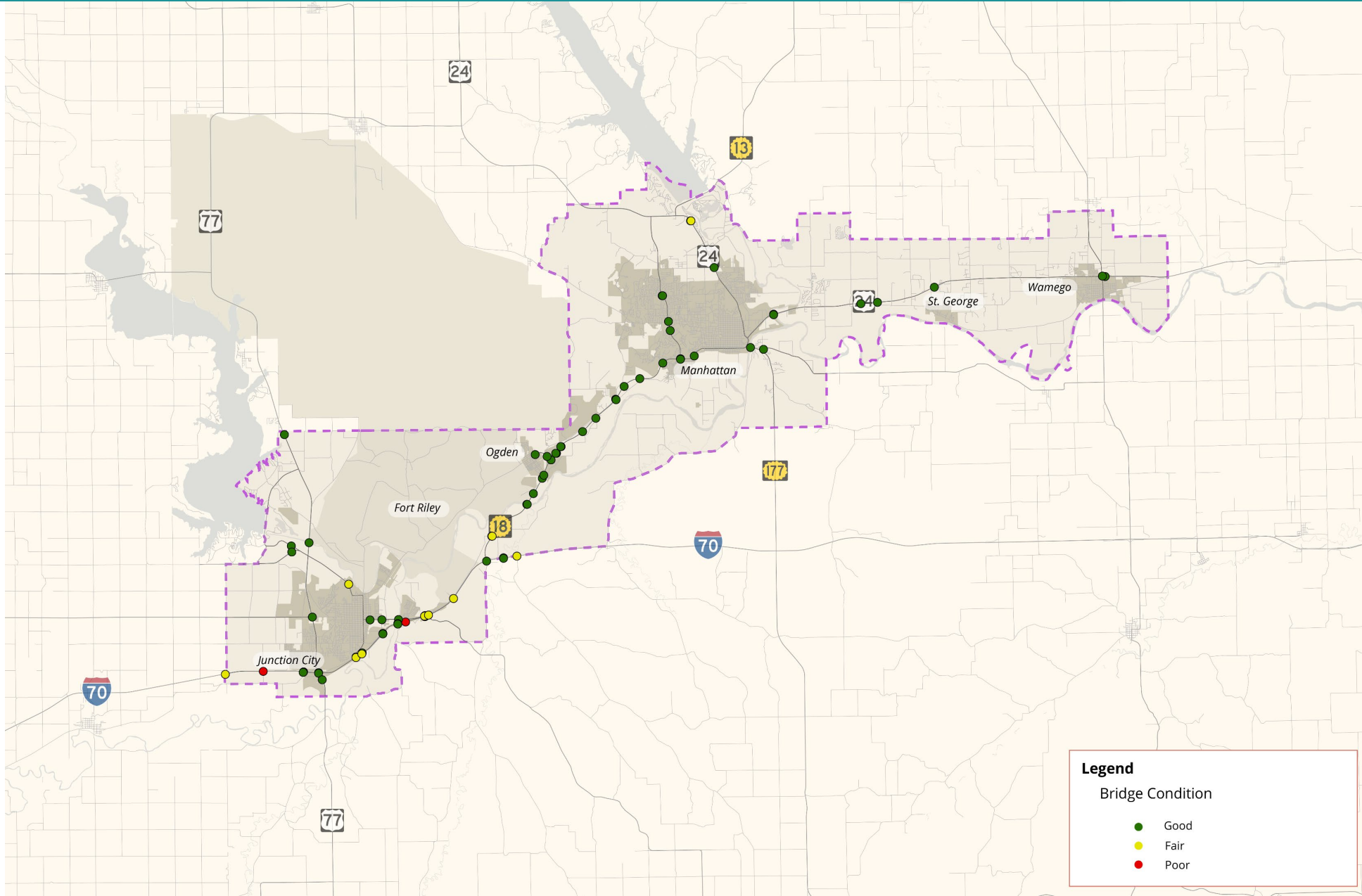
BRIDGES CONDITION DETAILS

MPO Region:
152
Bridges





BRIDGE DETAILS: KDOT BRIDGES





BRIDGE DETAILS: LOCAL AND OTHER BRIDGES

