



# ROUTE 50/AT INTERSECTION CONCEPTUAL SAFETY ALTERNATIVES IN FRANKLIN COUNTY

## PROJECT OVERVIEW

As part of the Statewide Transportation Program (STIP), MoDOT budgeted an estimated \$12.2 million for the construction of safety improvements at Route 50/AT intersection east of Union. The current Route 50/AT intersection was built in 1974 and due to the age of the corridor, improvements are needed. Traffic at the intersection of Route 50/AT is steadily increasing and crash rates are higher than the statewide average compared to similar intersections.

## PROJECT AREA

The project limits for the improvements are on Route 50 from I-44 to Birch Creek.

## CORRIDOR INFORMATION

### CORRIDOR TRAFFIC

- 2023 Average Daily Traffic (ADT) is 13,368 on Route 50 at Route AT
- Approx. 2.2% annual growth since 2013

### CRASH HISTORY (2019-2023)

- 62 Total crashes in 5 years
  - 3 Serious Injury
  - 20 Minor Injury



### Number per Crash Type

21 – Rear End
16 – Right Angle
9 – Left Turn
6 – Left Turn Right Angle
10 – Other

## PROJECT SCOPE

- Modify the Route 50/AT intersection to improve safety. Three conceptual alternatives are currently being evaluated with benefits of reducing conflict points. *A conflict point is a location where two vehicles could potentially collide with each within an intersection.*
- Upgrade lighting at the I-44 and Route 50 interchange (east of Union).
- Upgrade signing and guardrail on Route 50 from 0.4 west of Route AT to I-44.

## ALTERNATIVE COMPARISON

	Existing Intersection	Concept A Overpass	Concept B Roundabout	Concept C Roundabout/ Slip Ramp
Total Conflict Points (CP)	33	22	17	12
Crossing CP	16	6	4	2
Remarks	-	Higher Maintenance Cost (Bridge & Walls)		Requires Additional \$2.3M

*\*See project website for concept displays and more details.*



## We want your input!

MoDOT is hosting a public survey to gather information on how the public uses the Route 50/AT intersection. Results will help the team evaluate improvement alternatives.

Please scan the QR code or use the link below to access the survey:



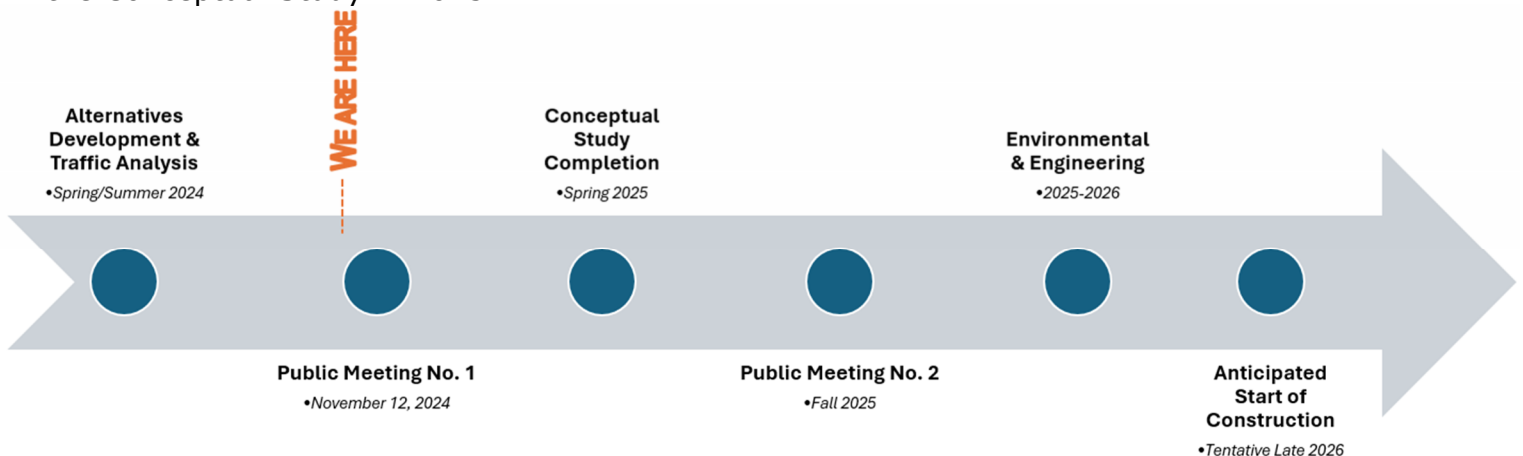
<https://www.surveymonkey.com/r/Route50AT>

The survey will be available to complete until November 26, 2024.



## TIMELINE AND NEXT STEPS

The alternative analysis kicked off in the Spring/Summer 2024 and anticipates completion of the Conceptual Study in 2025.



*This project is coordinating with the Forward 44 Corridor Study.*

<https://www.modot.org/forward44>

## Project Contacts

For more information about the project, please visit the project webpage at

<https://www.modot.org/Route50-AT>

You may also submit questions and comments to:

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