

Wahoo Intersection

MISC-77-6(1080); CN 13502

PUBLIC INFORMATION OPEN HOUSE MEETING
THURSDAY, APRIL 27, 2023

LOCATION ► Identified as *Wahoo Intersection*, the proposed project would build a roundabout at the intersection of US Highway 77 (US-77) and Nebraska Highway 109 (N-109) in Saunders County. Construction may begin and/or end approximately 2,500 feet ahead of or beyond the actual project limits to accommodate striping the pavement.

PURPOSE AND NEED ► The purpose of the proposed project is to reduce the frequency and severity of crashes at the junction of US-77 and N-109, improve the reliability of the transportation system, and perpetuate the mobility of the traveling public. The need for this project is based on current crash trends present at the intersection.

SCOPE OF WORK ► The planned construction would consist of removing the existing pavement and replacing it with doweled concrete pavement with integral curb. Additional work would include curb inlets, storm sewer, and lighting updates. Existing utilities would be reconstructed or relocated as needed.

RIGHT-OF-WAY ► The proposed project would require the acquisition of additional property rights, which could include new right-of-way (ROW), control of access (CA), permanent easements (PE), and/or temporary easements (TE). If your property is impacted by this proposed project, you would be contacted by a representative once the design footprint has been established. Access to adjacent properties would be maintained during construction but may be limited at times due to phasing requirements. Access to driveways may be limited at time due to phasing requirements.

POTENTIAL IMPACTS ► Lake Wanahoo and the Wahoo Municipal Airport are located in the vicinity of the proposed improvements; no impacts are anticipated.

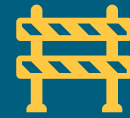
Comments will be collected through May 12, 2023.

Written comments or requests should be submitted to:

Lucas Nelsen
NDOT Public Involvement
lucas.nelsen@nebraska.gov
phone 402-479-3890
P.O. Box 94759, Lincoln, NE 68509-4759

For more information on the project, contact:

Thomas Goodbarn
NDOT District 1 Engineer in Lincoln
thomas.goodbarn@nebraska.gov
phone 402-471-0850



TENTATIVE CONSTRUCTION TIMELINE

SPRING 2024 – FALL 2024



ESTIMATED COSTS

\$5.9 Million*

**Funding would derive from state sources.*



TRAFFIC VOLUMES

Average Daily Traffic (ADT)
Percent Heavy Trucks (%HT)

U.S. 77 – WEST

	ADT	%HT
2024	8,600	14%
2044	10,390	14%

U.S. 77 – EAST

	ADT	%HT
2024	8,720	15%
2044	11,080	15%

N-109 – NORTH

	ADT	%HT
2024	3,150	8%
2044	3,490	8%

OLD HIGHWAY 77 – SOUTH

	ADT	%HT
2024	3,020	8%
2044	3,090	8%

Information regarding the proposed project will be made available on the NDOT website at ndot.info/13502.



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PROPOSED CONSTRUCTION PHASING



ACCOMMODATION OF TRAFFIC & DETOUR

Construction of the proposed project would be phased with segments closed and traffic detoured. The project would be built in three phases.

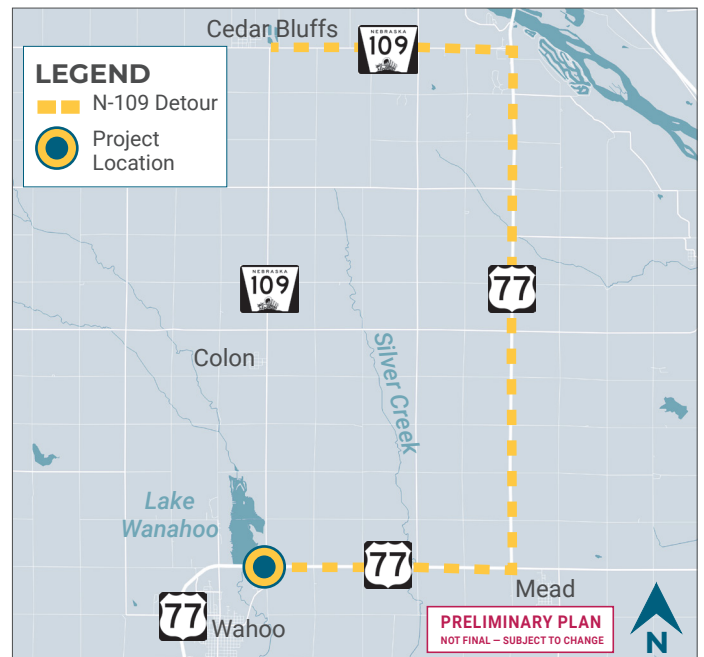
Phase 1 would build the southern half of the roundabout. Old Highway 77 traffic would be detoured. No left turns would be allowed at the intersection. A designated detour for local traffic would be provided utilizing N Chestnut Street, E 12th Street, and Old Highway 77.

Phase 2 would build the center section of the roundabout. No left turns would be allowed at the intersection.

Phase 3 would complete construction, and N-109 traffic would be detoured. A designated detour for N-109 would be provided using US-77.

Traffic on US-77 would not be detoured.

PROPOSED DETOURS



NDOT is working to develop this project in a way that minimizes inconvenience and hardships. We are committed to improving Nebraska's highway system and with your help we can achieve this goal.