


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	24-414	Meeting:	October 21, 2024
	Agenda Item:	6A	Roll Call:	24-1420
	Submitted by:	Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: E. Army Post Road and SE 36th Street Roundabout - Receiving bids (11-5-24), and Setting date of hearing (12-9-24). (Construction Estimate - \$3,150,000).

SYNOPSIS:

Recommend the City Council order construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. The project includes the design and construction of a roundabout at the intersection of E. Army Post Road and SE 36th Street. The roundabout is anticipated to be a single lane roundabout with one lane entering and exiting on each approach. The roundabout will include curb and gutter and extended splitter islands to manage speeds as vehicles approach the roundabout.

FISCAL IMPACT:

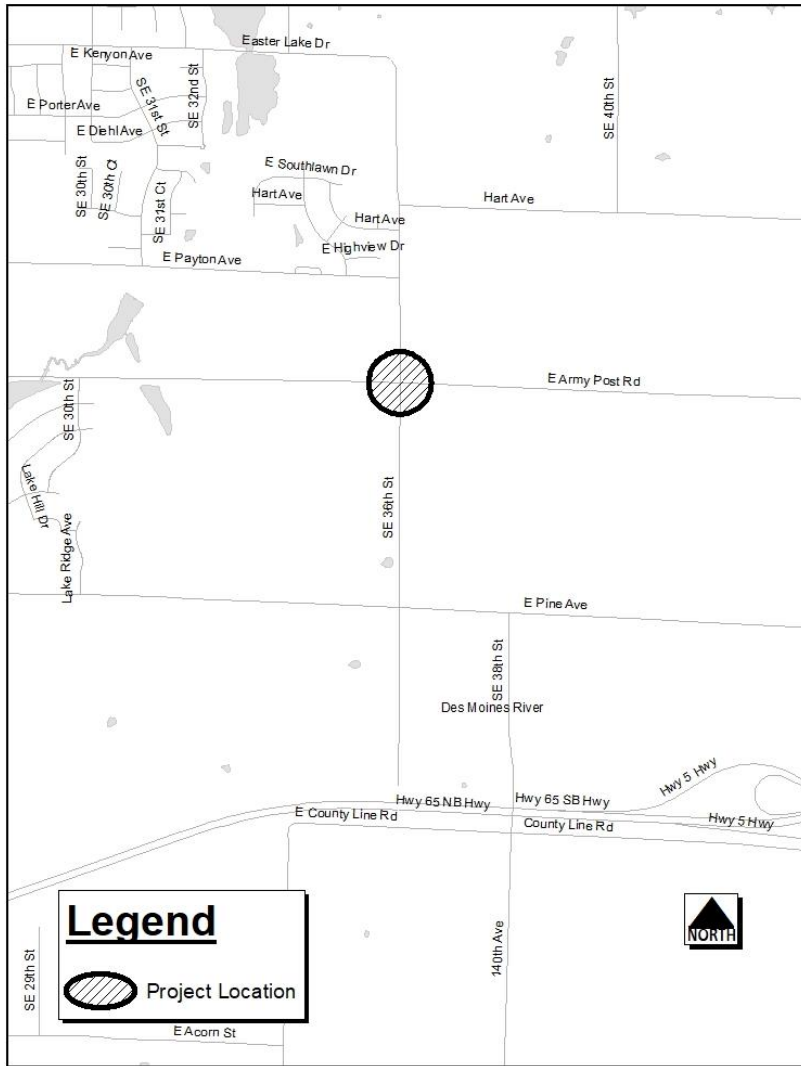
Amount: \$3,150,000 City Engineer's Estimate

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 135, E. Army Post Road and 36th Street Intersection Improvements, ST303, Being: \$500,000 (Max) in Iowa Department of Transportation (IDOT) Traffic Safety Improvement Funds under CS-TSF-1945(870)--85-77, \$2,640,000 in G.O. Bonds, and the remaining \$10,000 from Des Moines Water Works

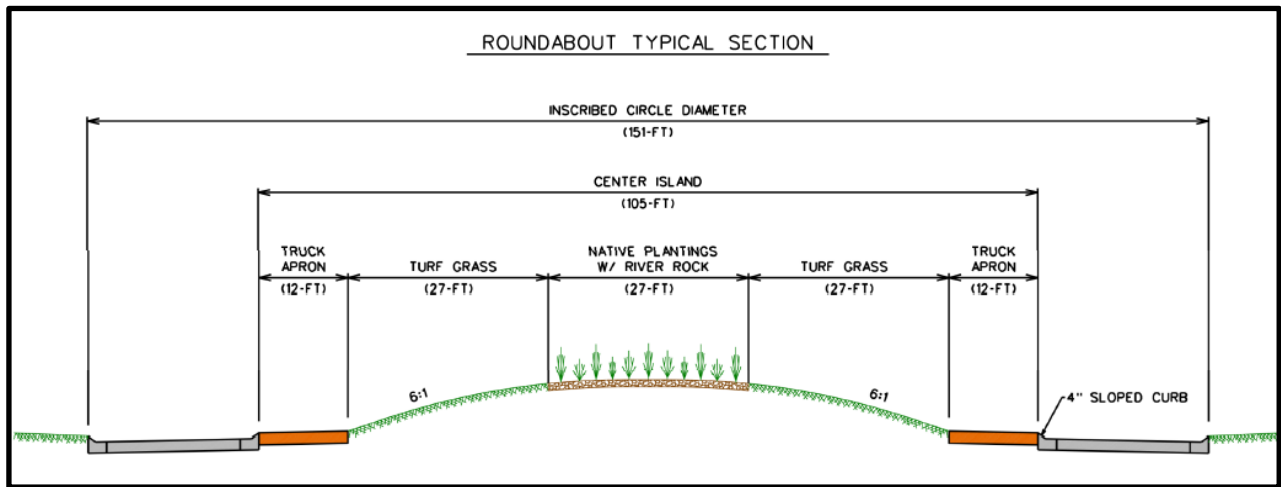
ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the E. Army Post Road and SE 36th Street Roundabout, Activity ID 04-2022-016. The improvement includes Portland Cement Concrete (PCC) pavement, PCC curb and gutter, pavement removals, earthwork, storm sewer, intakes, lighting, pavement markings, traffic control, erosion control, and surface restoration, all in accordance with the contract documents including Plan File No. 665-143/273, located at E. Army Post Road and SE 36th Street.
- The estimated construction cost is \$3,150,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

- A traffic study completed in 2020 identified significant traffic growth on the north approach of the intersection of E. Army Post Road and SE 36th Street, as well as safety and speeding issues on E. Army Post Road. Based on E. Army Post Road's history of traffic crashes resulting in fatal and serious injuries, observed speeding along the corridor, and traffic growth in the area, the conversion from a two (2)-way stop-controlled intersection (on SE 36th Street) to a roundabout will enhance safety by reducing speeds, reducing intersection conflict points, and reducing the severity of crashes by eliminating head-on and 90-degree angle crashes, while also optimizing the efficiency of the traffic operations.
- A virtual public meeting was held on July 14, 2020, to review and discuss the proposed project and gather input from affected parties and interested members of the public.
- On June 27, 2022, by Roll Call No. 22-0977, the City Council approved a Professional Services Agreement with Foth Infrastructure and Environment, LLC for the E. Army Post Road and SE 36th Street Roundabout design for an amount not to exceed \$299,534.
- On August 8, 2022, by Roll Call No. 22-1225, City Council approved the Fiscal Year (FY) 2024 TSIP application to the IDOT for \$500,000 (maximum amount per project under TSIP) for the SE 36th Street and E. Army Post Road Roundabout Project.
- On May 8, 2023, by Roll Call No. 23-0631, City Council approved and authorized the execution of the IDOT Agreement for SE 36th and E. Army Post Road Roundabout, which provides \$500,000 of Traffic Safety Improvement Program funds for the project.
- Construction of this project is anticipated to start in 2025 and be completed in 2026. Construction of this project will require a road closure at SE 36th Street and E. Army Post Road with detour routes using Highway 65 and US 69, from spring 2025 into the fall 2025.



**Above Graphic: Proposed Roundabout at SE 36th Street and E. Army Post Road
(Plan View)**



Above Graphic: Proposed Roundabout at SE 36th Street and E. Army Post Road (Cross Section View)



Above Graphic: Example (Precedent) Roundabout at University Avenue and Collaboration Place, Ames, Iowa (SE 36th Street/E. Army Post Road Roundabout will look similar)

PREVIOUS COUNCIL ACTION(S):

Date: June 26, 2023

Roll Call Number: [23-0944](#)

Action: [On](#) the intent to commence a public improvement project to construct the E. Army Post Road and SE 36th Street Roundabout Project and to authorize acquisition of the necessary property interests. ([Council Communication No. 23-302](#)) Moved by Gatto to adopt. Second by Boesen. Motion Carried 6-1. Absent: Sheumaker.

BOARD/COMMISSION ACTION(S):

Board: Transportation Safety Committee

Date: November 10, 2020

Resolution Number: N/A

Action: Motion was made by Tom DeSio to approve staff recommendations of the modern roundabout concept for the intersection improvement at E. Army Post Road and SE 36th Street; seconded by Scott Bents. Motion passed 6:0.

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also partial payments to the contractor and final acceptance of work.

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