



TO: Mayor Ross
Members of the City Council

FROM: Jennifer Eckman, Airport Director

DATE: May 20, 2024

SUBJECT: BIDDING OF TAXIWAY C PAVEMENT REHABILITATION AND EDGE LIGHTING REPLACEMENT (AIP 3-38-0037-073-2024)

I. RECOMMENDED ACTION

Authorize City staff to advertise and solicit bids for the Taxiway C Pavement Rehabilitation and Edge Lighting Replacement Project

II. DEPARTMENT CONTACT PERSONS

Maria Romanick, Operations & Maint. Manager, 701-420-4503

III. DESCRIPTION

A. Background

Taxiway C and C3 at the Minot International Airport (MOT) are experiencing deterioration and need repair. The 2021 Pavement Condition Index (PCI) report for these sections range from 39 – 57, with the PCI projected to deteriorate to 31-52 by 2024-2025 when the reconstruction is anticipated to take place, warranting repair. Pavement distresses noted in the last PCI inspection include alligator cracking, depressions, longitudinal and transverse cracking, raveling, and weathering.

The construction of the southern half of Taxiway C South (between TW C4 and C6) was completed in 2002, and the northern half of TW C south (between RW 8/26 and TW C4) was last constructed in 1998 (4" overlay). Taxiway C3 was constructed in 2002.

Rehabilitation is necessary to provide adequate and safe access to and from the terminal facilities to Runway 13/31, the primary runway for the Minot International Airport.

B. Proposed Project

The proposed project will be bid as (1) bid package to rehabilitate the pavement on Taxiway C as well as replace the existing edge lighting.

The construction project will include the pavement repairs discussed above and

also the replacement of associated electrical systems, edge lighting and signage. The existing electrical systems have reached the end of their useful life and need replacement to prevent failure. The existing systems will be replaced with new LED lighting systems.

While under construction, access will remain to Runway 13/31. Temporary closures of Taxiway C and C3 will be necessary during construction and a phasing plan will be determined minimize impacts to air traffic. Alternative taxi routes will be provided during these periods, so access is maintained throughout construction.

C. Recommendation Detail

The following project schedule is intended to accommodate City and FAA funding and grant schedule requirements:

1. April - May 2024 – Complete Final Design
2. June 18, 2024 – Bid Opening
3. July 1, 2024 – Contract Award
4. July 2024 – Submit AIP-Discretionary grant application to FAA
5. Summer 2025 – Construction

IV. IMPACT

A. Aspirations

The City Council aspirations that are achieved by adopting the proposed recommendation and completing this project include providing a safe and welcoming environment at the Airport. Safe use of the taxiways is of the utmost importance to providing safe and efficient aviation transportation for the Minot Community.

B. Service/Delivery Impact:

By designing a solution to address the deteriorating structural components of the airport's taxiways, this project will allow for continued safe operations for commercial aviation, general aviation and emergency vehicles at Minot International Airport.

C. Fiscal Impact

Project Costs

The anticipated cost of this project is outlined below, and it is included in the 2024 CIP for Minot International Airport:

Project Costs - Taxiway C Rehabilitation & Edge Lighting

| | |
|---|----------------------|
| Engineering - Preliminary Design | \$95,300.00 |
| Engineering – Final Design and Bidding | \$344,400.00 |
| Construction Costs (Estimated) | \$5,000,000.00 |
| Engineering - Construction Administration (Estimated) | \$600,000.00 |
| <u>Admin Costs</u> | <u>\$10,000.00</u> |
| | TOTAL \$6,049,700.00 |

Project Funding

The funding will come from the FAA Airport Improvement Program (AIP). The airport receives approximately \$1.6M of AIP entitlement funding annually, in addition to the carry-over from previous years. Project funding beyond the available AIP funding will be funded with FAA discretionary funding. A grant application will be prepared to utilize this funding source following the bid opening. It is projected that the City of Minot share will be 5 percent of total project costs.

Project Funding - Taxiway C Rehabilitation & Edge Lighting

| | |
|---------------------------|----------------------|
| FAA Grant (90%) | \$5,444,730.00 |
| NDAC State Grant (5%) | \$302,485.00 |
| <u>Local Funding (5%)</u> | <u>\$302,485.00</u> |
| | TOTAL \$6,049,700.00 |

VI. ALTERNATIVES

An alternate the City Council could recommend that this project be postponed or denied, resulting in a delay for repairs and the potential for structural failure of the airport's taxiways. Poor pavement condition could result in taxiway closure, causing delays for air traffic control's ability to taxi aircraft efficiently.

ADVERTISEMENT FOR BIDS

2024 Taxiway C Pavement Rehabilitation & Edge Lighting Replacement
Minot International Airport
Minot, North Dakota
SEH No. MINOT 178165

Notice is hereby given that Online Bids will be received by the City of Minot, North Dakota, until 2 p.m., Tuesday, June 18, 2024, via [QuestCDN](#) for the furnishing of all labor and material for the construction of 2024 Taxiway C Pavement Rehabilitation & Edge Lighting Replacement.

The bid opening will be conducted via Microsoft Teams, at which time they will be publicly opened and read aloud:

2024 TAXIWAY C PAVEMENT REHABILITATION & EDGE LIGHTING REPLACEMENT Bid Opening
JUNE 18, 2024, 2:00 P.M. (CDT)

Please join my meeting from your computer, tablet or smartphone: <https://bit.ly/3JV3rEv>

Or call in (audio only)
+1 872-242-7640,,763188683# United States, Chicago
Phone conference ID: 763 188 683#

Any person monitoring the meeting remotely may be responsible for any documented costs. Message and data rates may apply.

Major components of the Work include: Bituminous pavement milling, bituminous overlay paving, pavement patching, pavement markings, airfield lighting, signage, circuitry, topsoiling, and turf restoration.

The Bidding Documents may be viewed for no cost at <http://www.sehinc.com> by selecting the Project Bid Information link at the bottom of the page and the View Plans option from the menu at the top of the selected project page.

Digital image copies of the Bidding Documents are available at <http://www.sehinc.com> for a fee of \$30. These documents may be downloaded by selecting this project from the "Project Bid Information" link and by entering eBidDoc™ Number 9098400 on the SEARCH PROJECTS page. For assistance and free membership registration, contact QuestCDN at 952.233.1632 or info@questcdn.com.

For this project, bids will **ONLY** be received electronically. Contractors submitting an electronic bid will be charged an additional \$42 at the time of bid submission via the online electronic bid service [QuestCDN.com](#). To access the electronic Bid Worksheet, download the project document and click the online bidding button at the top of the advertisement. Prospective bidders must be on the plan holders list through QuestCDN for bids to be accepted. Bids shall be completed according to the Bidding Requirements prepared by SEH dated May 21, 2024.

In addition to digital plans, paper copies of the Bidding Documents may be obtained from Docunet Corp. located at 2435 Xenium Lane North, Plymouth, MN 55441 (763.475.9600) for a fee of \$120.00.

A pre-Bid conference will not be held for this project.

Bid security in the amount of 5 percent of the Bid must accompany each Bid in accordance with the Instructions to Bidders.

The City of Minot reserves the right to reject any and all Bids, to waive irregularities and informalities therein and to award the Contract in the best interests of the City of Minot.

Maria Romanick
Airport Operations Manager
Minot, North Dakota