



TO: Mayor Shaun Sipma
Members of the City Council

FROM: Dan Jonasson, Director of Public Works

DATE: April 27, 2021

SUBJECT: P# 3529.05A MREFPP PHASE WC-1A – TIERRECITA VALLEJO LEVEE
SEGMENT PLAN AND SPEC APPROVAL

I. RECOMMENDED ACTION

1. Recommend Council approve the plans and specifications for the first phase of construction of the Tierrecita Vallejo levee segment,
2. Recommend approval of the Reimbursement Resolution.

II. DEPARTMENT CONTACT PERSONS

Dan Jonasson, Director of Public Works	857-4140
Ryan Ackerman, Administrator – SRJB	837-8737

III. DESCRIPTION

A. Background

The Tierrecita Vallejo levee segment is part of the overall Mouse River Plan and serves as the western tie back of the levee system that will ultimately reduce the flood risk to northwest Minot. The Souris River Joint Board will be approving the plans and specifications at a future meeting.

B. Proposed Project

The levee proposed project includes approximately 4,800 feet of new levee, replacement of the gatewell structure to the Mouse River, replacement of the existing grade control structure with rock rapids, a temporary closure structure at the CP Rail crossing, bank and levee erosion protection, water and sewer realignments, and a seepage cutoff on the east end.

Due to challenges acquiring the real estate needed to construct the full project segment, the project has been split so construction can get started this summer. The initial phase of construction will include approximately 3,000 feet of new levee and associated seepage mitigation measures, water and sewer replacements, and site preparation at the CP rail crossing. The second phase of construction will include the remaining levee work, a seepage cutoff sheetpile on

the east end, reconstruction of the in-channel grade control structure, and work associated with the CP rail closure.

C. Consultant Selection

Consultant selection was done in accordance with NDSWC requirements.

IV. IMPACT:

A. Strategic Impact:

The Tierrecita Vallejo segment serves as the western tie back for the levee system that serves NW Minot.

B. Service/Delivery Impact:

N/A

C. Fiscal Impact:

Phase WC-1A Engineer's Estimate	\$7,011,970.00
Phase WC-1A Construction Engineering Estimate	\$900,000.00
Phase WC-1A Total	\$7,911,970.00

<i>Minot Sales tax/Bond 35%</i>	<i>\$2,769,189.50</i>
<i>NDSWC Funds 65%</i>	<i>\$5,142,780.50</i>

V. ALTERNATIVES

N/A

VI. TIME CONSTRAINTS

N/A

VII. LIST OF ATTACHMENTS

- A. *Copy of Engineer's Estimate.*
- B. *Copy of Plans and Specifications are available in the office of the Public Works Director*
- C. *Cover sheet location map of Tierrecita Vallejo Project*
- D. *Reimbursement Resolution*