

Office Memorandum

TO: Shiloh Wahl
District Engineer – District 4

FROM: Nathan Bausman
Materials Engineer – District 4

DATE: June 16, 2025

SUBJECT: REQUEST FOR AN EXCEPTION TO
SELECTING THE LOW COST ALTERNATE

SP #	1401-190
Highway #	10
Project Limits	RP 000+00.908 to RP 002+00.353
Project Description	Pavement reconstruction of Trunk Highway 10 from 400 feet west of 14 th Street to 100 feet west of 34 th Street in Moorhead.

LCCA Results

Alternative	Design Life	Total Present Cost	Requested Selection	% of Low Cost
6" Bituminous Reconstruction	20	\$5,397,490.37	No	100.0%
7" Concrete Reconstruction	20	\$6,651,133.20	No	123.2%
7" Concrete Reconstruction	35	\$6,042,340.79	Yes	111.9%

Reason for Request

Over the 50-year pavement lifecycle the net present cost of a 6" bituminous reconstruct was lower than a 7" concrete reconstruct. The District Materials Office has requested to complete a 7" concrete reconstruct due to the interest in maintaining continuity of adjacent pavement types from State Project No. 1401-177 and future State Project No. 1401-182 and desire to minimize future traffic impacts on the higher volume highway 10 corridor in Moorhead.

Shiloh Wahl

Digitally signed by Shiloh Wahl

Date: 2025.06.16 23:32:33

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District Engineer

Date