



City Council

Agenda Item

Subject: Approval of Memorandum of Understanding with the Codington County related to funding for the 14th Avenue NW Bridge reconstruction project.

Meeting: City Council - May 01 2023

From: Amanda Mack, City Manager

BACKGROUND INFORMATION:

The County is planning to replace the 14th Avenue NW Bridge in the upcoming years. The bridge is adjacent to the City limits and the lifespan of the bridge is greater than 50 years. This memorandum of understanding highlights the cost share between the County and City to expand the bridge for future City needs.

An agreement with the County would be made after the BIG grant is awarded.

FINANCIAL IMPACT:

Current estimates of engineering and bridge construction are \$3.5 million. The County will apply for a 80%/20% grant from the SD DOT, so the local share is approximately \$800,000. The City would be responsible for 38% of the local share, which is estimated to be \$304,000.

SUGGESTED MOTION:

I move to approve the Memorandum of Understanding with the Codington County related to funding for the 14th Avenue NW Bridge reconstruction project.

STAFF REFERENCE(S):

Heath VonEye, Justin Petersen, Rob Beynon

ATTACHMENT(S):

[14th Ave Bridge MOU with County](#)

MEMORANDUM OF UNDERSTANDING

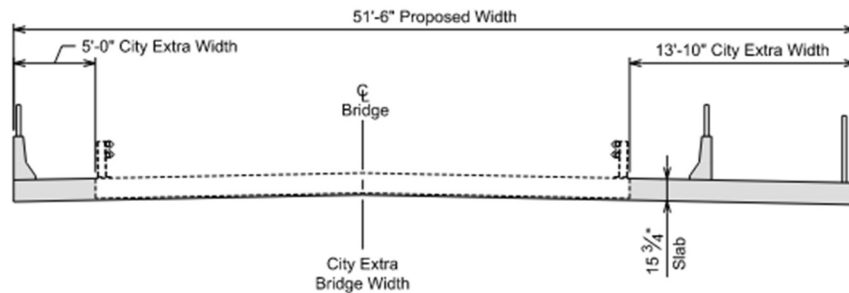
This Memorandum of Understanding (the “MOU”), is entered into and effective this _____ day of _____, 2023, by and between the City of Watertown, a South Dakota municipal corporation, 23 2nd St NE, Watertown, South Dakota 57201 (the “City”), and Codington County, a political subdivision of the State of South Dakota, 14 1st Ave SE, Watertown, South Dakota 57201 (the “County”), collectively the “Parties.”

Purpose

The purpose of this MOU is to memorialize the cost-sharing understanding between the Parties related to the County’s design and construction of the 14th Avenue NW Bridge over the Big Sioux River.

Understanding

The County is contracted with Banner Associates, Inc. (Engineer) to design a replacement to the 14th Avenue NW bridge that crosses the Big Sioux River. The City agrees to pay to increase the width of the bridge to a 40 foot width clear roadway with an 8 foot wide shared used path on the south side of the bridge, attached as Exhibit A.



The County will bid the project. The City shall be notified of the bid prior to the award of the contract. The actual cost of the design and construction will be shared based on the width of the bridge, 38 percent (38%) share to be paid by the City and 62 percent (62%) share to be paid by the County, attached as Exhibit A. The Parties acknowledge that appropriations are contingent upon approval of the Parties’ respective governing bodies.

The County will be the lead sponsor on the project and will apply for grant money. If the County does not receive a grant for eighty-percent (80%) of the project costs, the City may not participate in the upsizing cost.

The bridge construction is currently planned for year 2026.

Miscellaneous Terms

The term of this MOU shall run concurrent with the effective dates of the Project and may be extended only by written agreement between the Parties. This MOU may be amended or modified at any time in writing by mutual consent of both parties. The MOU may be canceled by either party with 60 days advance written notice. The MOU may be canceled immediately where cause for cancelation is due to a material or significant breach of any of the provisions contained herein. Cancelation for a material or significant breach occurs upon delivery of written notice to the other party.

This MOU constitutes the entire understanding of the Parties pertaining to all matters contemplated hereunder at this time. This MOU does not constitute a formal undertaking but the Parties shall make good faith efforts to fulfill the terms of this MOU.

CODINGTON COUNTY

CITY OF WATERTOWN

By: _____
Its: _____

Amanda Mack
City Manager

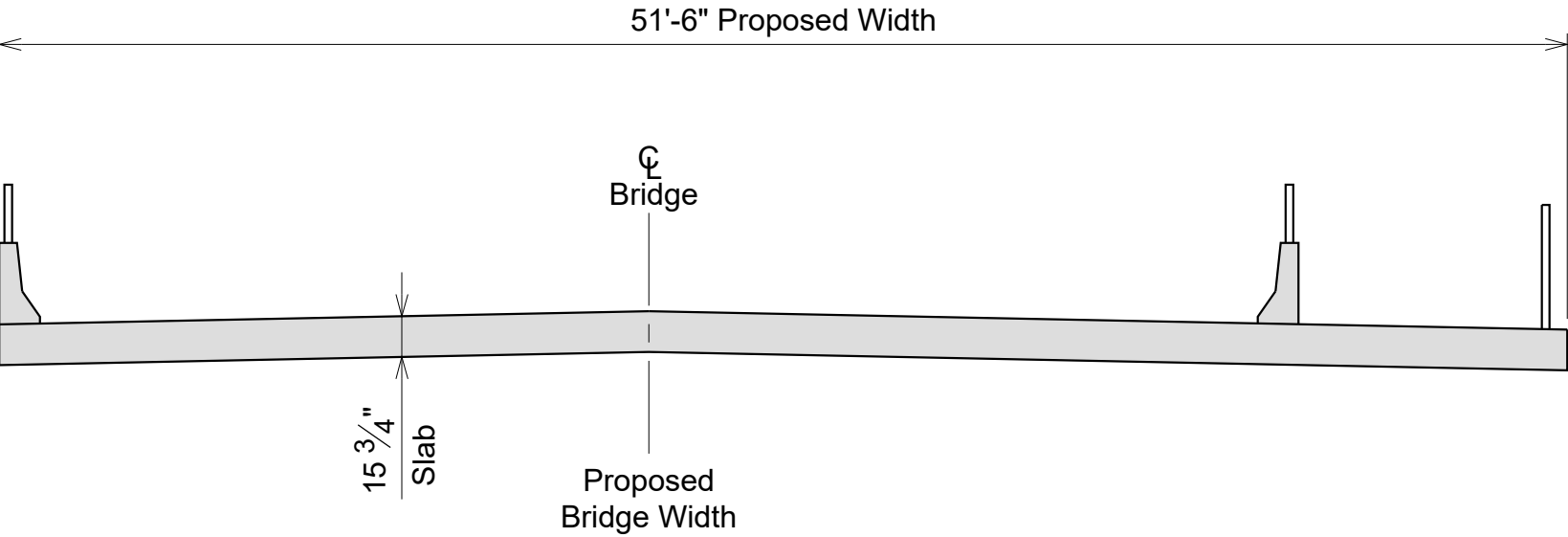
ATTEST:

ATTEST:

By: _____

Kristen Bobzien
Finance Officer

Exhibit A
Cost Share Calculation
Str. No. 15-178-160
14th Avenue NW



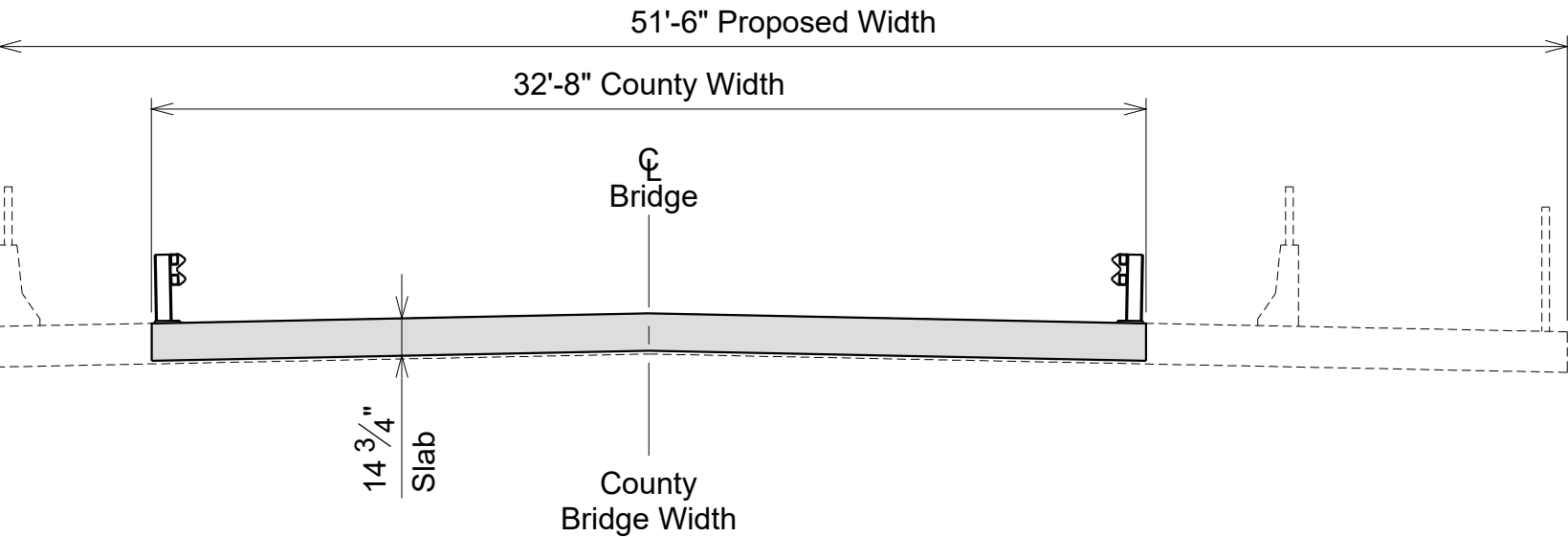
Notes

County width = 30' clear roadway + railings = 32'-8" (AASHTO Table 6-6: ADT > 2000, bridge > 100' long)

County slab thickness = 14.75" per live load deflection of L/800

City width = 40' clear roadway + 8' path + railings = 51'-6"

City slab thickness = 15.75" per live load deflection of L/1000 (stricter deflection limit due to 8' path)

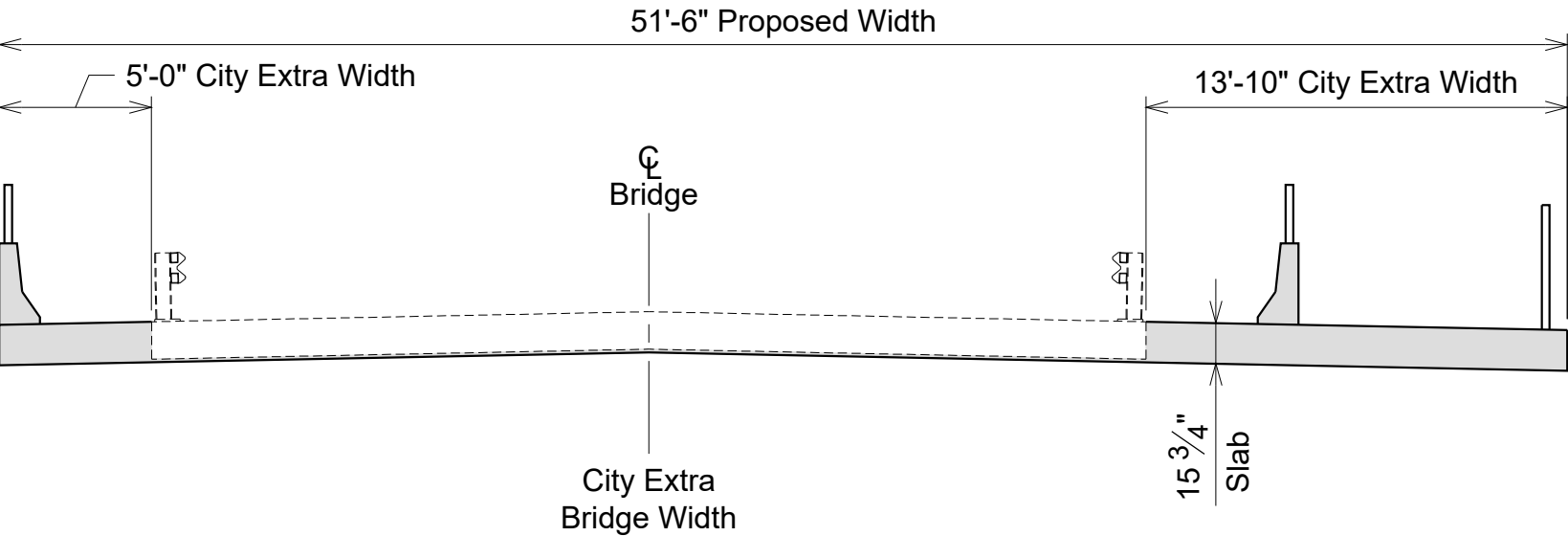


County

$$(32.67' \text{ width}) / (51.50' \text{ total width}) = 0.63$$

$$\begin{aligned} & - [(1.00" \text{ extra slab thickness}) / (15.75" \text{ total slab thickness})] \times (0.20 \text{ ratio of slab cost to total cost}) = 0.01 \\ & = 0.62 \\ & \times 100 \\ & = 62\% \end{aligned}$$

62% County
Cost Share



City

$$(18.83' \text{ extra width}) / (51.50' \text{ total width}) = 0.37$$

$$\begin{aligned} & + [(1.00" \text{ extra slab thickness}) / (15.75" \text{ total slab thickness})] \times (0.20 \text{ ratio of slab cost to total cost}) = 0.01 \\ & = 0.38 \\ & \times 100 \\ & = 38\% \end{aligned}$$

38% City
Cost Share