

**AGENDA
OF THE CITY
COUNCIL WORK SESSION
CITY OF EAST GRAND FORKS
MONDAY, FEBRUARY 23, 2015 – 5:00 PM**

CALL TO ORDER:

CALL OF ROLL:

DETERMINATION OF A QUORUM:

- 1. Lighting for Sorlie Bridge Presentation – Jason Stordahl**
- 2. Information on Waste Water Rates – David Murphy**
- 3. Discussion on Requests for Information – Mark Olstad**

ADJOURN:

Upcoming Meetings

Regular Council Meeting – March 3, 2015 – 5:00 PM – Council Chambers
Work Session – March 10, 2015 – 5:00 PM – Training Room
Regular Council Meeting – March 17, 2015 – 5:00 PM – Council Chambers
Work Session – March 24, 2015 – 5:00 PM – Training Room

Request for Council Action

Date: 2/18/2015

To: East Grand Forks City Council Mayor Lynn Stauss, President Mark Olstad, Council Vice President Chad Grassel, Council Members: Clarence Vetter, Mike Pokrzywinski, Craig Buckalew, Henry Tweten, and Marc DeMers.

Cc: File

From: Jason Stordahl-Public Works Director

RE: Bridge Lighting Enhancements for Sorlie Bridge Project

Background:

Design work on the Sorlie Bridge project continues with the North Dakota Department of Transportation (NDDOT) being the lead agency. Rehab/Construction is to take place this summer. In addition to repainting the structure and performing minor repairs, the lighting on the bridge is proposed to be updated and enhanced. The existing lighting includes approximately 32 light fixtures positioned over the pedestrian walkway and 54 fixtures intended to illuminate structural members of the bridge for visual enhancement. There are currently no lights on the structure to light the roadway. As part of the proposed project, roadway lighting will be added, the existing aesthetic lighting will be replaced and additional lights will be added to enhance the aesthetics of the bridge. All new lighting is proposed to be LED.

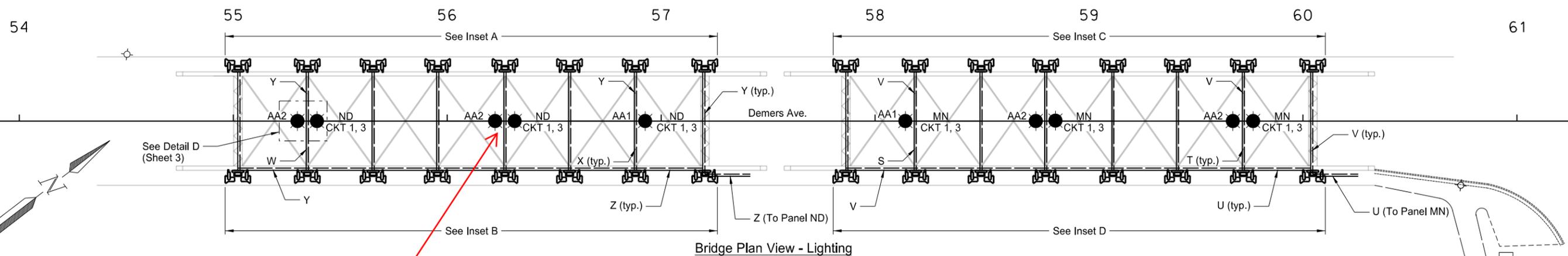
To better light the bridge for visual aesthetics, new lighting will not be placed at the locations where the current lighting exists. The current design, although preliminary, proposes to place new light fixtures near the top of the arch members of the bridge intended to illuminate exterior side of the bridge, the underside of the arches, and the pedestrian walkway. The proposed lighting plan calls for 96 fixtures that will provide lighting for pedestrian walkway and visual aesthetics. In addition, 10 light fixtures will be added to illuminate the roadway on the bridge.

Further, it is proposed that the 96 light fixtures will be able to produce a white light or colored light. The system would include a control panel that could allow the color of the lights to change to a desired color similar to the pixels on a colored television, Roadway lighting is proposed to be white and not have the option to change color.

The NDDOT has determined that the cost of installing new lighting for the roadway and for replacement of the existing pedestrian lighting and the aesthetic lighting will be considered a project cost. They have also determined that they will provide up to \$150,000 for lighting enhancements such as adding additional aesthetic lighting and upgrading to colored lighting. Currently, the estimated cost of the additional aesthetic lighting and color upgrade is just under \$150,000 limit. Final approval of the lighting plan and the cost allocation is contingent upon approval by the NDDOT.

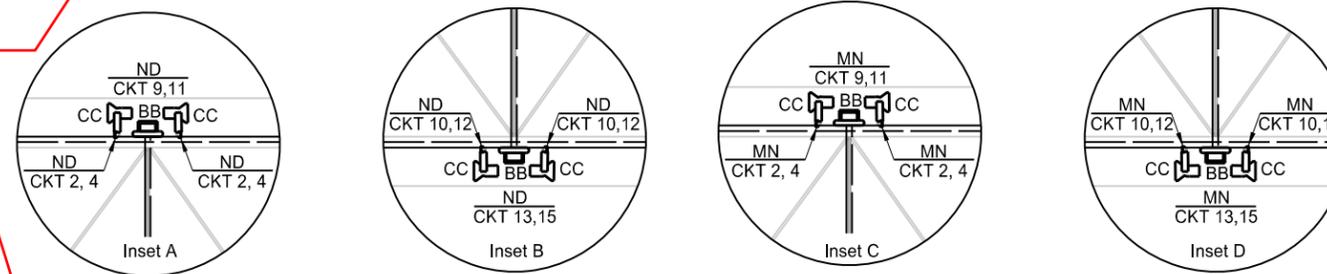
There had been some concern expressed regarding the lighting impacting the historical character of the bridge. The current design was considered at a recent Grand Forks Historical Preservation Commission meeting. They passed a motion generally concluding that they felt the lighting plan, including the use of colored lights, did not have an adverse effect on the historical nature of the bridge. They expressed some concern about the over-use of colored lights. The general feeling was that the lights would be white most of the time, and colored lights would be used only on special occasions. They also included in their motion that a general policy needs to be established identifying when colored lights will be used, and which colors they will use. The general policy will need to be agreed upon by both DOT's, both state Historical Preservation Offices, both Cities, and the Grand Forks Historic Preservation Commission. If the use of colored lights are ultimately approved, this general policy will need to be worked out before colored lights may be implemented, using white only in the meantime.

Recommendation: Concur with current lighting plan, and direct Engineering Staff to work with appropriate entities to develop general guidelines for operating lighting for Sorlie Bridge Project.

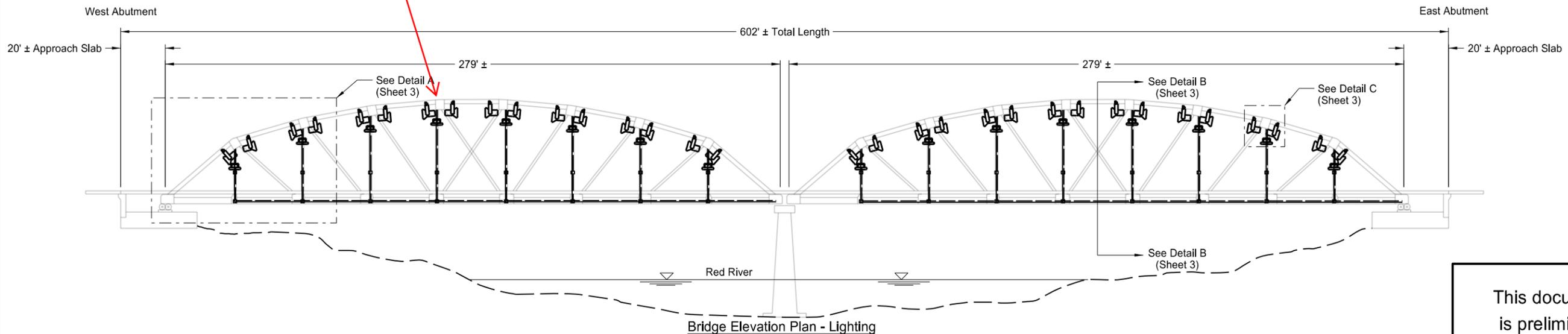


Roadway Lighting Fixtures
(10 TOTAL - WHITE ONLY)

Aesthetic & Pedestrian
Walkway Lighting (96 TOTAL
- VARIABLE COLOR)



Existing feedpoint cabinet
to remain in place



LIGHTING SCHEDULE

| DESIGNATION | MANUFACTURER | MODEL | NO. LAMPS | FIXTURE | | | REMARKS |
|-------------|------------------------|-----------------------------------|-----------|-----------------|-----------------|----------------------|---|
| | | | | LAMP TYPE | FINISH | MOUNTING | |
| AA1 | LITHONIA OR EQUIVALENT | DSXW2 30C 1000 40K TFTM MVOLT SF | 1 | LED | TO MATCH BRIDGE | SURFACE (SEE DETAIL) | MOUNT ON HORIZONTAL BEAM OVER THE ROAD CENTERLINE. CLAMP WALL MOUNT TO GUSSET PLATE, AS SHOWN IN THE DETAIL. |
| AA2 | LITHONIA OR EQUIVALENT | DSXW2 30C 700 40K T4M MVOLT SF | 1 | LED | TO MATCH BRIDGE | SURFACE (SEE DETAIL) | MOUNT ON HORIZONTAL BEAM OVER THE ROAD CENTERLINE. CLAMP WALL MOUNT TO GUSSET PLATE, AS SHOWN IN THE DETAIL. |
| BB | INSIGHT | DRV 50 RGB HSL TR IDIM-2 CC | 1 | COLOR LED (RGB) | TO MATCH BRIDGE | SURFACE (SEE DETAIL) | MOUNT FIXTURE ON VERTICAL COLUMN SHOWN. MOUNT 3" BELOW THE TRUSS GUSSET PLATE. COORDINATE WITH MANUFACTURER ON CONTROLS. |
| CC | HYDREL | TPS1 18LED RGB MVOLT NSP YM LP CF | 1 | COLOR LED (RGB) | TO MATCH BRIDGE | SURFACE (SEE DETAIL) | MOUNT FIXTURE ON TRUSS IN LOCATION SHOWN. FIXTURE SHALL BE MOUNTED BEHIND GUSSET PLATE TO KEEP OUT OF VIEW. AIM AT ADJACENT JOINT ON ARCHWAY TRUSS. COORDINATE WITH MANUFACTURER ON CONTROLS. |

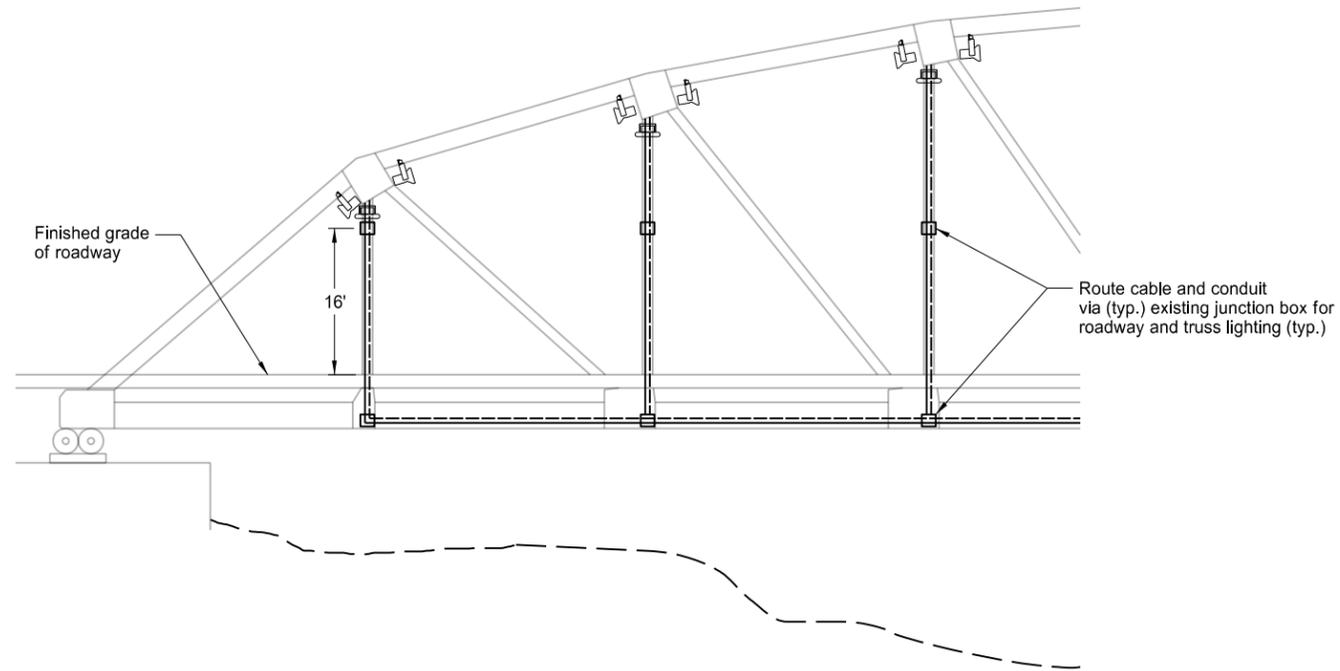
Key

- Type 'AA' Fixture
- Type 'BB' Fixture
- Type 'CC' Fixture
- Y Refer to cable schedule

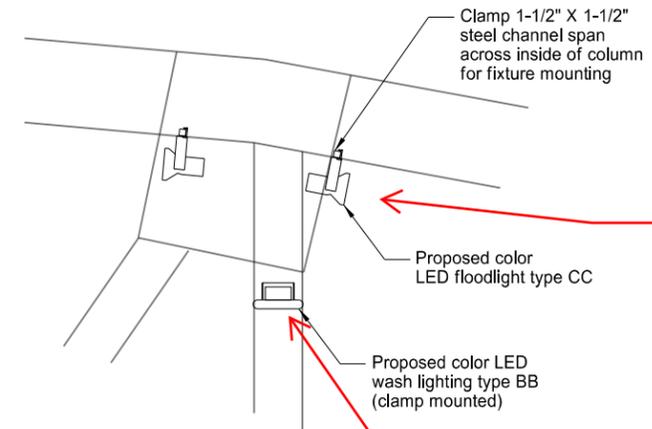
This document is preliminary and not for construction or implementation purposes.

Sortie Bridge
Lighting Layout
Sta 54+00 to 61+00

| | | | | |
|--|-------|---------------|-------------|-----------|
| | STATE | PROJECT NO. | SECTION NO. | SHEET NO. |
| | ND | 6-002(101)911 | 140 | 3 |



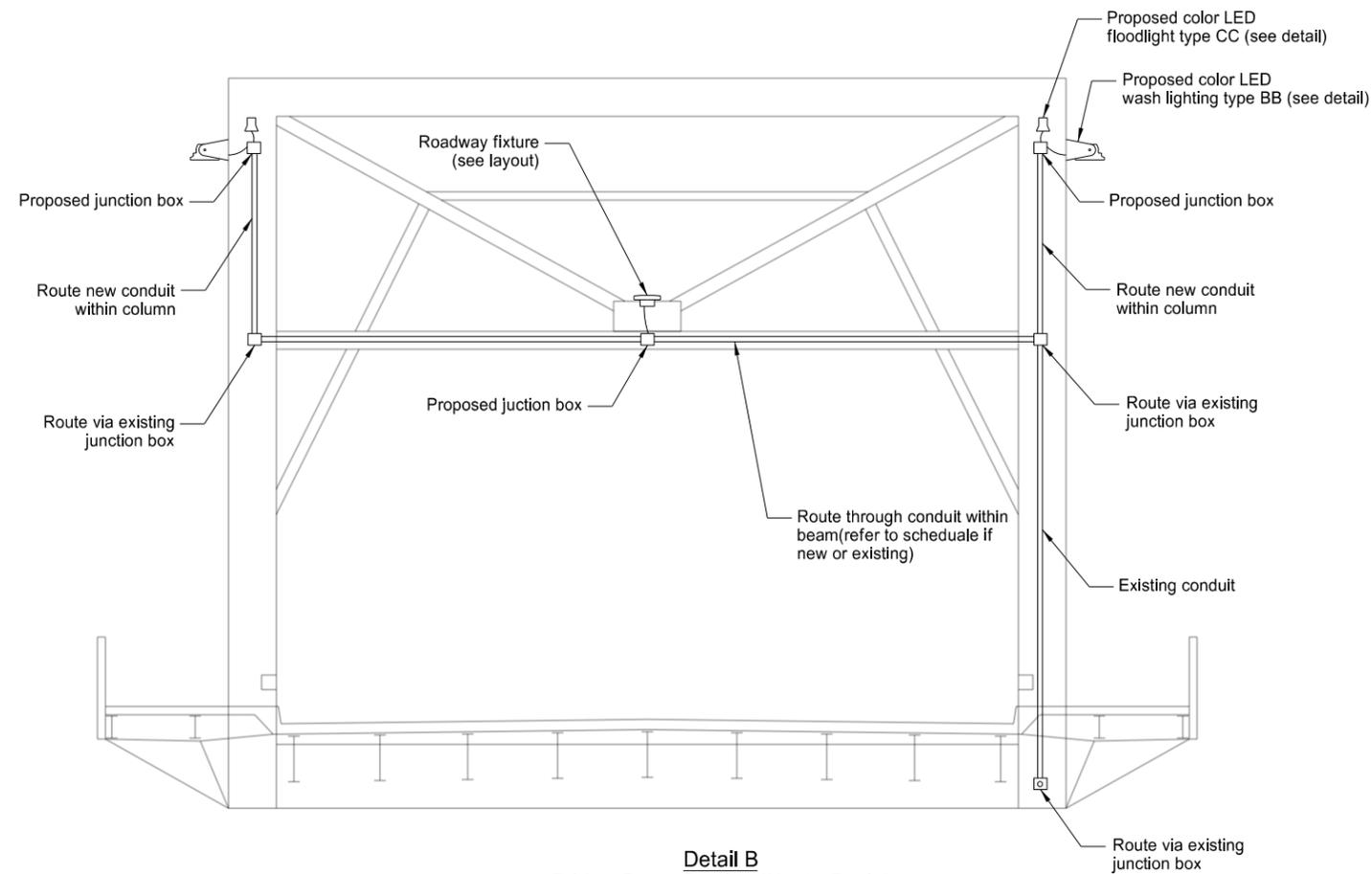
Detail A
Partial Bridge Elevation Plan (Not to Scale)



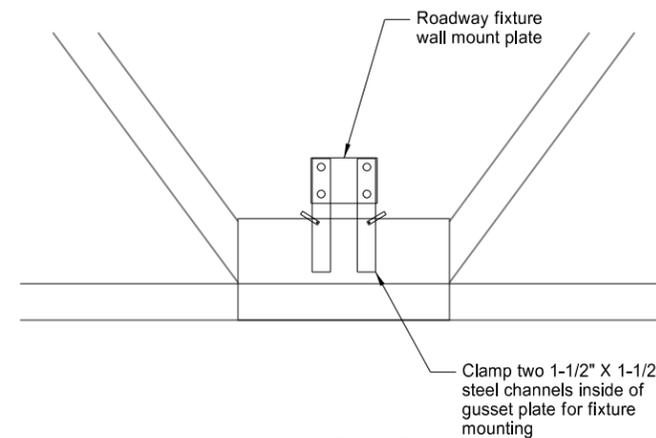
Detail C
Mounting Detail (Not to Scale)

2 light fixtures at each vertical member mounted behind gusset plate to light underside of arch member

1 light fixture at each vertical member mounted on face of vertical member to light pedestrian walkway and exterior of vertical and diagonal members



Detail B
Bridge Cross Section (Not to Scale)



Detail D
Mounting Detail (Not to Scale)

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Sorlie Bridge
Details

Request for Council Action

Date: 2/20/15

To: East Grand Forks City Council Mayor Lynn Stauss, President Mark Olstad, Council Vice President Chad Grassel, Council Members: Clarence Vetter, Mike Pokrzywinski, Craig Buckalew, Henry Tweten, and Marc DeMers.

Cc: File

From: David Murphy, City Administrator

RE: Information on Waste Water Rates

The Council has been increasing the waste water rates over the last few years in order to raise funds for a waste water project. In 2009 rates were increased, in 2010 the Council eliminated the commercial usage break, and in 2011 the Council raised the residential meter capacity base rate, apartment unit rate, and usage rates for residential and commercial. The residential usage was raised from 50% to 65% and commercial usage was raised from 75% to 95%. The changes in 2011 increased revenue by approximately \$250,000 a year for a waste water project. In 2012 the Council adjusted the monthly sewage rates based on meter size which were increased again in October of 2013 for an additional \$180,000 more a year. Below are what the charges were changed to. No changes were made in 2014.

Adjust Fixed Charges

| | |
|-----------------|----------------------|
| a. 5/8" Meter | \$12.00 to \$17.00 |
| b. 3/4" Meter | \$12.00 to \$17.00 |
| c. 1" Meter | \$19.29 to \$27.39 |
| d. 1 1/2" Meter | \$23.98 to \$34.05 |
| e. 2" Meter | \$38.38 to \$54.50 |
| f. 3" Meter | \$72.00 to \$102.24 |
| g. 4" Meter | \$119.71 to \$169.99 |
| h. 6" Meter | \$239.98 to \$340.77 |

Adjust Apartment Unit rate from \$12.00 to \$17.00.

Fixed Landlord Sewage Rate from \$13.20 to \$18.74.

Adjust the Residential Usage rate from 50% of the water usage to 65%.

Adjust the Commercial Usage rate from 75% of the water usage to 95%.

FYI – The Water and Light Department has seen an increase in the late or unpaid accounts after the increases in 2012 and 2013.