



Mill Street Bridge Replacement Green Lake, WI Public Involvement Presentation

September 4, 2024



Presentation Agenda

- ▶ Project Limits
- ▶ Project Need
- ▶ Proposed Design Overview
- ▶ Schedule
- ▶ Contact Information



Project Limits

- ▶ 52.5-ft total bridge length
- ▶ 64-ft S. approach roadway
- ▶ 50-ft N. approach roadway
- ▶ ≈166-ft total project length



Proposed Design Overview

- Why Do We Need This Project?

- ▶ Bridge Reconstruction
 - ▶ Existing bridge is a single-span concrete deck girder structure built in 1929
 - ▶ Bridge roadway width = 27.0-ft
 - ▶ Sufficiency Rating = 40.2
- ▶ The bridge sufficiency rating is a numerical value computed from many factors to include the condition of the bridge. A bridge with a sufficiency rating of 100 is in perfect condition and bridges with a rating less than 50 are eligible for replacement funding.



Proposed Design Overview

- Why Do We Need This Project?

- ▶ The underside of the deck and concrete girders displays several signs of distress, including cracking with efflorescence, delamination and concrete spalling with exposed corroded rebar
- ▶ The concrete abutments exhibit shear cracking and spalling with exposed rebar
- ▶ The wingwalls exhibit movement, cracking, and spalling
- ▶ Safety of the Traveling Public
- ▶ Maintain access across the Puchyan River



Proposed Design Overview

- Why Do We Need This Project?



Proposed Design Overview

- What Improvements are Proposed?

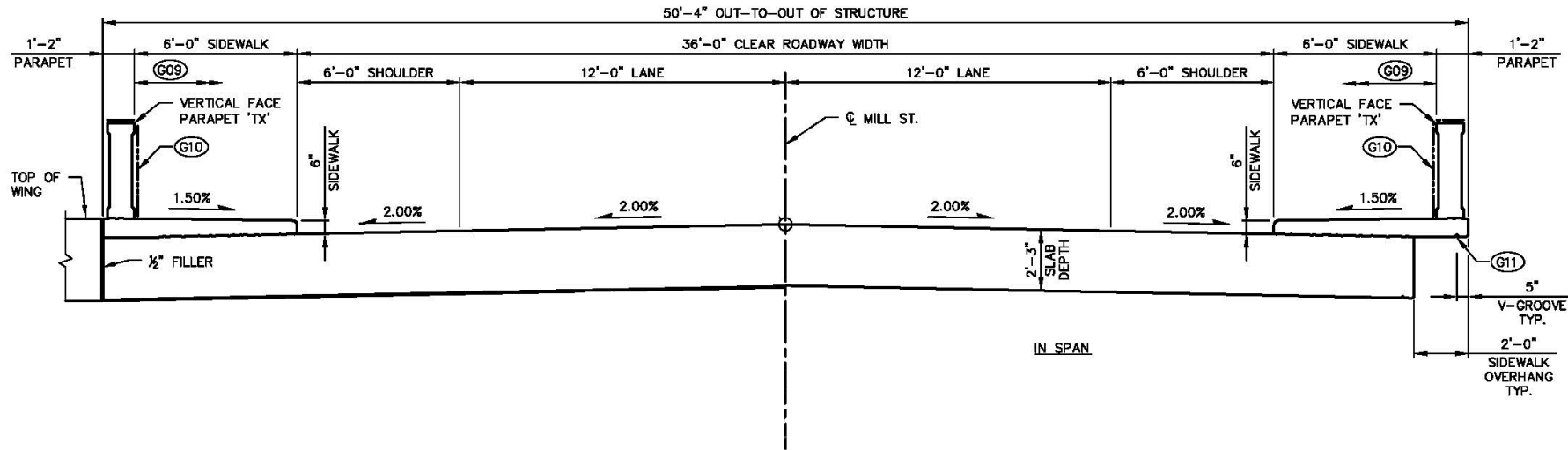
- Remove the existing 33-ft long, 27-ft clear width single-span concrete deck girder structure.
- Construct a new 52.5-ft long, 36-ft clear width single-span reinforced concrete flat slab bridge.
- Approximately 64-ft of the south approach and 50-ft of the north approach roadway will be replaced to ensure a smooth transition from the roadway to the new structure.
- The proposed horizontal and vertical alignments will closely match the existing roadway.



Proposed Design Overview

- What Improvements are Proposed?

- Bridge Cross Section: Two 12-ft travel lanes with 6-ft paved shoulders and 6-ft sidewalks.

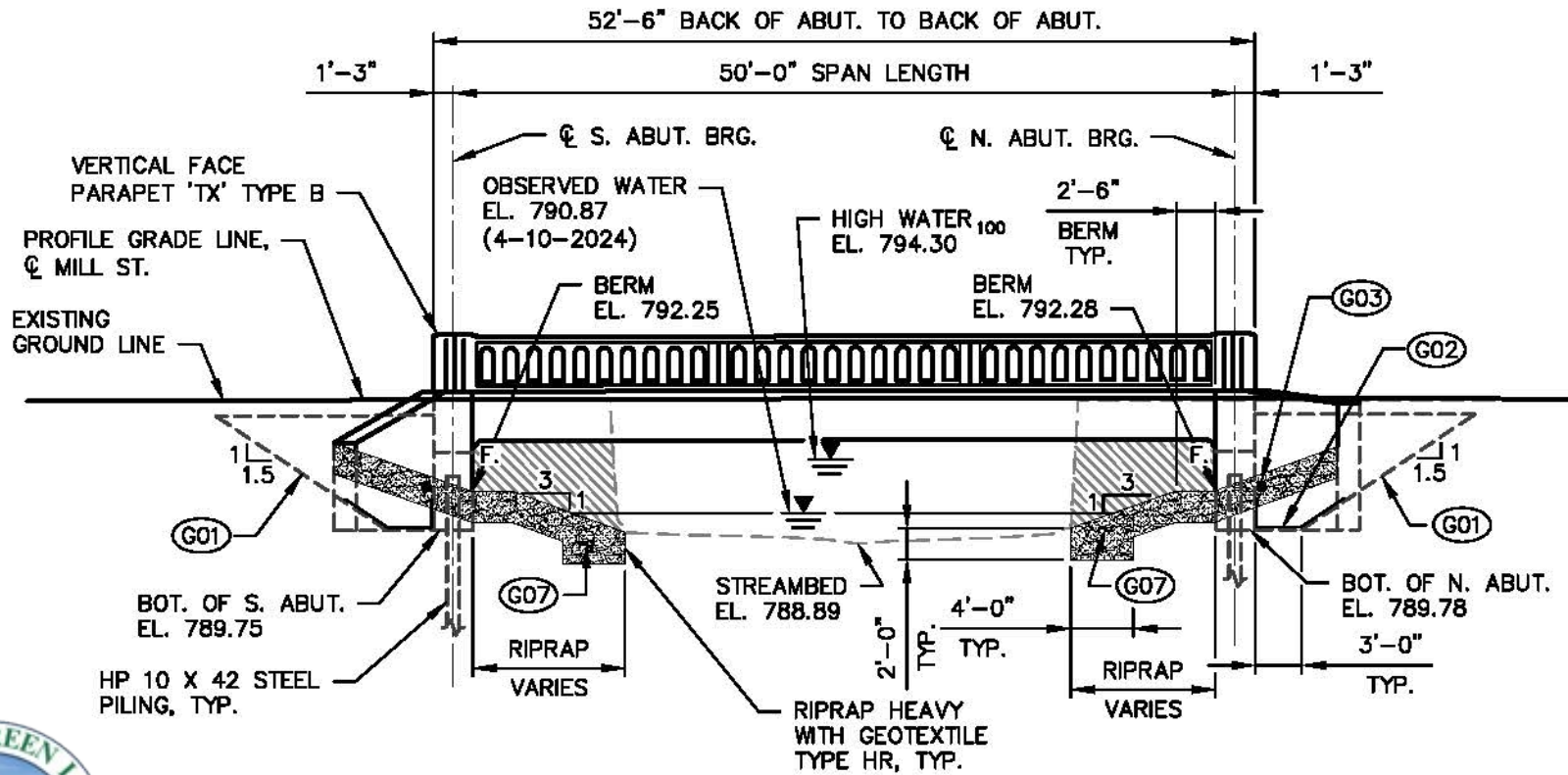


CROSS SECTION THRU ROADWAY
(LOOKING NORTH)



Proposed Design Overview

- What Improvements are Proposed?



ELEVATION
(THRU PUCHYAN RIVER, LOOKING WEST)



Proposed Design Overview

- What Improvements are Proposed?

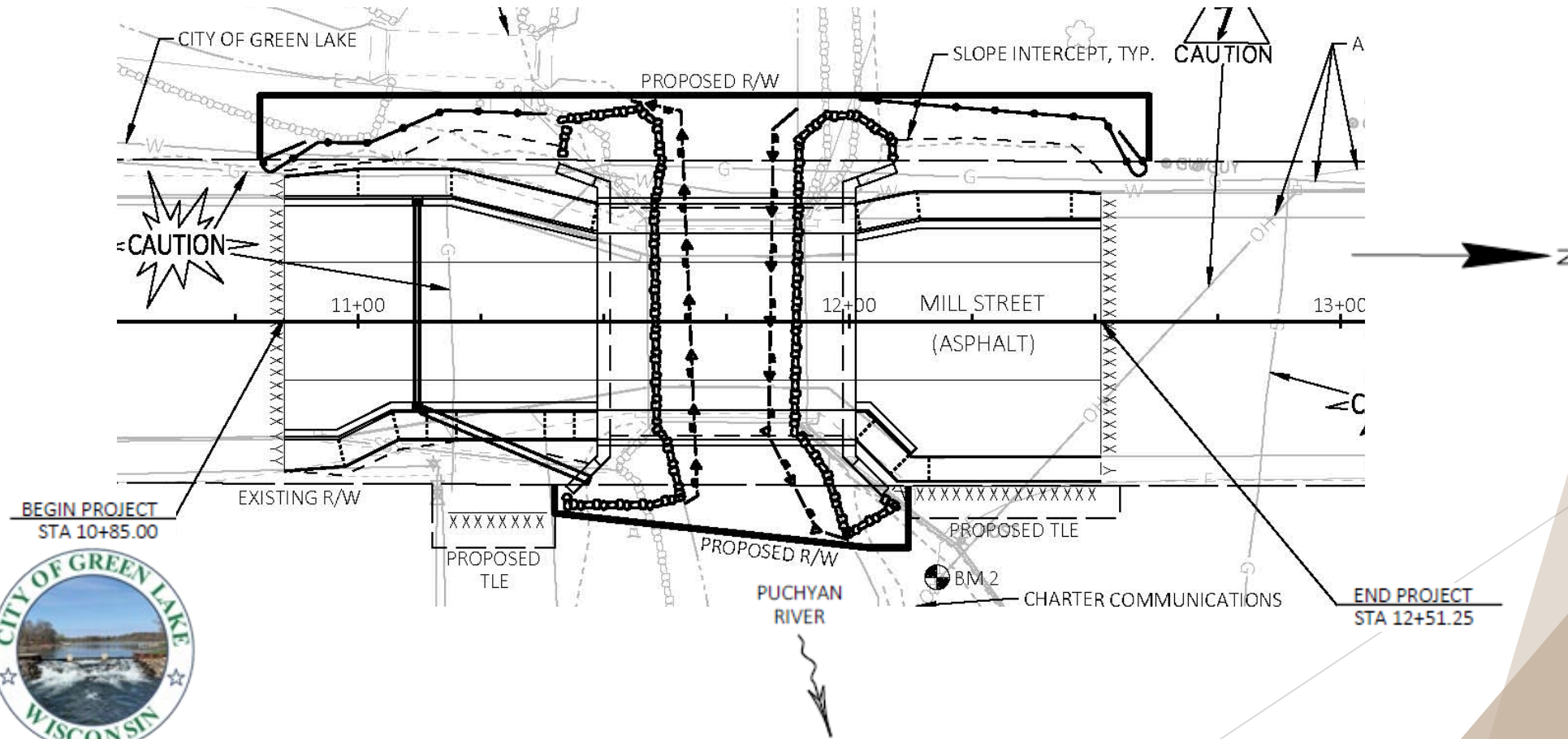
- Vertical Face Parapet Type 'TX' same as the Lawson Street bridge.



Proposed Design Overview

- What Improvements are Proposed?

- R/W acquisition is anticipated as part of this project.



Proposed Design Overview - Construction

- ▶ Mill Street will be closed to traffic during construction.
 - ▶ A detour utilizing Business 23 will be posted.
 - ▶ Construction will take approximately 3 months.



Schedule

- ▶ Public Comment Period September 4, 2024 through October 4, 2024
 - ▶ Comments on the proposed design are encouraged. Please email, mail, or phone your comments to Aaron Palmer of Westbrook or Jason Carley of Green Lake by **October 4, 2024.**

- ▶ Final Plan Submittal August 1, 2025
- ▶ Bid Opening November 11, 2025
- ▶ Construction Summer 2026



Contact Information - Public Input and Comments



City of Green Lake
Home to the deepest natural inland lake in Wisconsin!

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