



LOWER MINNESOTA RIVER
WATERSHED DISTRICT

EDEN PRAIRIE AREA 3

Located on the north bank of the Minnesota River, this area has been prone to erosion for some time. The Lower Minnesota River Watershed District, in partnership with the City of Eden Prairie, has evaluated options to stabilize the slope, protect public and private infrastructure, and prevent future degradation of the Minnesota River water quality resulting from Area 3 bank erosion.

PROBLEM

- The underlying soils and groundwater seeps, combined with bluff development and erosive flows from the Minnesota River, have destabilized the slope and resulted in continual erosion since at least 2008.
- Using inclinometers, the Lower Minnesota River Watershed District (LMRWD) has monitored slope movements since 2010. However, geotechnical engineers have warned the LMRWD that due to the nature of the soils in Area 3, the slope is more likely to catastrophically fail without advanced warning.
- The City of Eden Prairie has a stormwater pond just downstream of Area 3 that is acerbating the natural erosion processes of the river on the slope, causing further instability.
- This is a larger, more complex problem than either the LMRWD or the City can tackle alone.



SOLUTION

1. Remove the city stormwater pond, capture city stormwater currently being directed to the pond, and convey it to the Minnesota River in a less erosive and bank-destructive manner.
2. Armor the bluff toe and flatten the slope as needed to protect the slope from the Minnesota River.

REQUEST

- To complete the construction, the estimated cost is \$4.6M.

For more information, contact Linda Loomis, LMRWD Administrator
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