

## MEMORANDUM

December 8, 2021

**To:** City of Oelwein  
**From:** Nate Miller, Origin Design  
**Subject:** Charles Street Viaduct Hazard Mitigation  
**Project No.** 21135

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### Charles Street RR Viaduct

#### 1. September 16, 2021 Bid Results

- > Received one bid for \$291,268.
  - Several factors contributed to the higher than anticipated cost. The most significant component was the total volume of material that was included in the overhead removal bid item. Other factors included higher than anticipated trucking costs, railroad insurance requirements, and traffic control costs.

#### 2. Cost Saving Measures

- > Overhead Removal: 100 SF
  - This will be performed on the areas of greatest need and will be limited to areas near the west end. The original 5,000sf quantity specified was intended remove any delaminated (hollow sounding) material that could become dislodged over the next several years and was further increased after limitations imposed by the railroad. The revised quantity will focus on the areas of greatest need and is intended to mitigate the risk of falling debris for the next calendar year.
- > Increasing the construction timeframe to 3-4 weeks will reduce the amount of equipment required to be mobilized to the site and reduce overall project costs.

#### 3. Next Steps

- > Revise project plans and contract documents to allow for the project to be re-bid in early January 2022 to allow for construction to be completed in February 2022.