



## Winona Bridge Work Package #5 Bridge No. 5900 (Existing Bridge) Rehabilitation and Reconstruction Project Delivery Status February 2016

- Winona Bridge Project is MnDOT's first Construction Manager General Contractor (CMGC) project. We are using CMGC to:
  1. Meet the goal of opening new Bridge No. 85851 as soon as possible.
    - On schedule for opening by end of 2016.
    - Work Packages #1-4 are on budget within an accelerated delivery.
  2. Understand the existing bridge through truss rehabilitation costs as early as possible.
    - Budget challenges on previous through truss rehabilitation projects.
    - The highest budgetary risk factor for the existing bridge work.
  
- Work Package #5 (WP #5), for Rehabilitation and Reconstruction of the existing bridge, is currently \$30 million over the original \$142 budget for construction and engineering. This is based on 90% Design pricing from our CMGC contractor as validated by both Independent Cost Estimator and MnDOT Engineering estimates and with consideration of our Engineering costs. This is an approximate 21% increase.
  1. Anticipated construction costs constitute \$20 million of the cost increase and engineering the remaining \$10 million.
  2. The existing bridge deterioration rate has accelerated in recent years.
  3. Rehabilitation standards for bridge design and load-carrying capacity have evolved.
  4. We are progressing final design with a long term solution, including efforts to minimize ongoing bridge maintenance costs.
    - Internal redundancy and structural strengthening to current permit loadings are included.
  
- We currently are pushing the pause button and proceeding as follows:
  1. Finalizing the current WP #5 plans and specifications for potential future letting as they are very near completion.
  2. Engaging the Federal Highway Administration (FHWA) in a Peer Review Effort.
    - Is the current WP #5 scope of work prudent as compared to other projects across the country?
    - Can technical engineering design parameters be applied differently as a means to modify the scope of work and potentially reduce costs?

- A course correction, if implemented, could trigger updates to the following project documents (among others):

1. Environmental Assessment
2. Environmental Permits.
3. Municipal Consent / Cooperative Cost Agreement.
4. Section 106 Programmatic Agreement (Historic).
5. Leases.