



January 24, 2022

Mr. Dolph Johnson
Assistant City Manager

**RE: *Railroad Force Account and Miscellaneous Project Force Account Overage – Backup Information
Bailey Boswell Road Overpass
KH No. 061003103***

Dear Dolph:

The purpose of this letter is to outline the need to increase the Railroad Force Account via change order for the Bailey Boswell Overpass Project. The original contract had \$150,000 for railroad flaggers. Railroad flaggers are needed when working within 25' from the railroad tracks per the railroad agreement. The original amount was set during design based on an estimated number of days that the contractor would be working within 25' of the railroad tracks. This was estimated to be 30 total weeks, 150 days @ \$1,000 a day. When Webber was awarded the contract, they provided a construction schedule, this estimated to be 120 days of activity within both BNSF and UP railroad right-of-way. By April 2021, we exceeded the original contract amount for flaggers due to the railroads requiring flaggers for activities that were not originally planned such as:

- When working within BNSF Right-of-Way flaggers are required for UPRR as well, doubling the flagger need and cost
- Flaggers are needed 24 hours a day and 7 days a week if equipment or temporary structures are within the railroad right-of-way. During the steel girder erection, the contractor encountered rain days that required them to leave equipment inside the ROW for a week because of muddy conditions and BNSF/UPRR not guaranteeing a work window well in advanced.
- Any work on the bridge deck over the railroad ROW requires flaggers until the bridge rail and fence is up. Since middle of May this has been the primary cost incurred for the flaggers.

Throughout construction the cost incurred through 11/21/2021 for railroad flagging is \$687,534.22 due to needing flaggers full time for both railroads.

For Change Order 2, we are projecting that part time flaggers will be required for project completion in an estimated amount of \$25,000 from the last invoice date of 11/21/21 to completion. The overpass and at-grade improvements have been complete inside the railroad ROW. The projection is for any work that is within the railroad right-of-way that is needed to complete the final punch list and to have the final walk-thru with the railroad companies.

We are also adding a Misc. Project Force Account item for \$60,000 for the remainder of the project. The force account item provides an allowance against extra work required for project completion. Any remaining money left in the allowance budget at the conclusion of the project will be kept by the City.

Please let me know if you have any questions.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Dana Shumard, P.E