



MEMORANDUM

To: Mayor Hunsaker & City Council Members

From: Norm Beagley, MPA, P.E., Assistant City Manager, City Engineering

Date: June 11, 2021

Re: Change Order, J-U-B Engineers Design Contract Santaquin Main Street Improvements

On May 5, 2021, the City Council approved the design contract with J-U-B Engineers for the Main Street Improvements Phase 4 (300 East to 100 West) design. Since that time, we have worked with MAG and J-U-B Engineers to explore the possibility of designing all of the remaining Main Street Improvements together (i.e. Phase 4 (300 East to 100 West) and Phase 5 (100 West to 600 West)). This effort was to specifically look at possible project efficiency and potential cost savings by designing both phases at the same time.

Our evaluation shows that designing both phases at the same time would save the overall project (combined MAG and City funding) approximately \$200,000 or roughly 20% on the total project design costs. These savings on design costs will result in allowing more of the overall funding to go towards the actual construction of the project.

Approval of this Change Order will allow for the full design (both Phases 4 & 5) to move forward now, during the 2021 calendar year. Per J-U-B's proposed schedule, we anticipate that the full design will be complete in July of 2022.

With this Change Order, the total proposed J-U-B contract amount of \$848,820.00 makes the overall design costs lower than typical industry standard costs for design services for retrofit/reconstruct transportation projects of this nature, with an overall percentage of 8.73% of the estimated project costs of \$9.72M. Typical industry standard costs for this type of reconstruction work typically fall within a range from 10% - 12%.

Please note, with the consolidation of design, there is also an anticipated consolidation of the Phase 4 and Phase 5 construction efforts. Initially, MAG funds for construction were not anticipated until mid-2022 (for Phase 4) and not until 2024 (for Phase 5). With a possible consolidation, funding years may be adjusted by MAG and UDOT, with Phase 4 being likely delayed. However, by consolidating the construction, the impacts on our residents and US-6 travelers will be lessened (e.g. one project instead of two) and the overall costs are anticipated to be lowered (e.g. economies of scale and elimination of some mobilization costs, etc.)

For your consideration, I have provided J-U-B's proposed updated project scope, fee, and schedule for both phases 4 & 5. I have also attached the proposed contract Change Order.

I am happy to answer any questions that you may have regarding this item.

Suggested motion: Approve Change Order #1 to the J-U-B Engineers contract for design of the Main Street Improvements project (Phases 4 & 5) in a not to exceed Change Order amount of \$371,928.00 (making the total design contract amount \$848,820.00).