

10.0 Conclusion

As an owner, the Washington County Health System is constantly looking for ways to enhance the construction of their project. This can be done in several ways such as cost savings, schedule enhancement, and constructability and logistics as shown throughout this report. The constant management of project success depends heavily on these factors too. This report provided alternate ways of adding value to the project to help the Washington County Health System achieve their goals.

As reported in the first analysis, the ability for the owner to develop the old facility could prove to create a worthy investment. The analysis examined different development options and showed the best fit for the owner. This partial development of the old facility would generate additional revenue for the owner to apply to the repayment of bonds. The most beneficial factor of the development was that the Washington County Health System does not have to purchase the land or building; they already own it. This was a big consideration in this analysis.

The second analysis looked into a redesign of the deep foundation system. As reported, a minipile deep foundation system was researched to replace the caissons. To highlight a few conclusions from this analysis, a substantial amount of money, 29%, was saved and the schedule was reduced by 52%. Overall the minipile deep foundation system proved to be a more complete system and a better fit for the owner.

The third analysis looked into a composite precast panel wall implementation in place of the brick cavity wall. This system was chosen based on its thermal properties, but proved to be a cost reducer and a schedule enhancer. The cost savings returned 22% and the schedule was reduced by 56%. This analysis also established a better fit with the Washington County Health System.

Ultimately, the report provided two critical analyses that were able to help the construction of the new medical center and one analysis that considered the previous hospital. With these analyses, the owner can consider the results for enhancement to the project and the financial strength of their investments.