

Department of Public Works – Engineering Division

MEMO

TO: Finance Committee

FROM: Pete Neuberger, City Engineer
Mark Lahay, Assistant City Engineer

DATE: January 8, 2024

RE: Change Order #4 for Project H-21 Redundant Raw Water Line

The Department of Public Works is recommending approval of Change Order #4 in the amount of \$176,232.54 for project H-21 Redundant Raw Water Line. Note that since this change reflects final quantities, the contingency reduction of \$244,549.71 reflects the reduction resulting from the \$176,232.54 increased costs, plus a further reduction of \$68,317.17 as a release of unneeded remaining contingency. Detailed breakdown of change order costs are as follows:

Flange at Treatment Plant was different than what was shown on plans. Previous change order included only materials costs to manufacture new fitting from fabricator. Additional cost for installation includes time, material, and equipment for remobilization, excavation, backfilling, and connection to existing flange: \$12,871.64

Existing gas main location/depth differed from plans. As a result, the proposed water main was required to be lowered. Additional time, material, and equipment costs were incurred for extra traffic control: \$7,056.22

Size and construction of large pipe segments precluded contractor's ability to make significant alignment and elevation adjustments as needed in the field to avoid unforeseen obstructions and conflicts. Extra fittings and pipe modifications were needed, involving re-ordering shipping materials back to manufacturer for modifications: \$37,342.79

Existing Tee at Nature's Way and Oneida Street intersection differed from record drawings. As a result, a special 36" stainless steel offset needed to be manufactured by a local fabricator to make the connection: \$34,978.62

Poor soils and wet site conditions resulted in wider trenches than anticipated. The previous change order only included the resulting costs for added pavement restoration, but not the added costs associated with extra stone backfill and extra curb & gutter replacement: \$83,983.27.