Business Item 2026-56

Lift Station L32A, Construction Engineering Services, Contract 20P210 – Amendment 2

METROPOLITAN COUNCIL

Environment Committee: March 24, 2026

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Background

- The New Lift Station L32A will be one of the largest lift stations in our system
- It requires complex engineering solutions due to its size and location close to the Mississippi River
- Project designed by Brown and Caldwell (B&C) under Contract 20P210
- B&C served as the engineer of record and prepared plans and specifications
- Currently at 90% design phase and entering the construction phase and requires construction support services

Design Change

- Preliminary planning presumed that Caisson construction may be suitable for this large and deep lift station.
- Geotechnical investigation and evaluation of suitable construction methods by the designer resulted in the selection of a diaphragm wall to address site conditions and minimize construction risks.
- Specialized firm was contracted by B&C to design a unique and critical diaphragm wall construction method.
- The more complex design resulted in higher design costs.

Construction Phase Needs

- Typical Construction Engineering Phase Tasks:
  - Design clarifications
  - Responses to contractor requests for information (RFIs)
  - Review of shop drawings
  - Resolution of unforeseen field conditions
  - Preparing final as-build drawings and operation and maintenance manuals

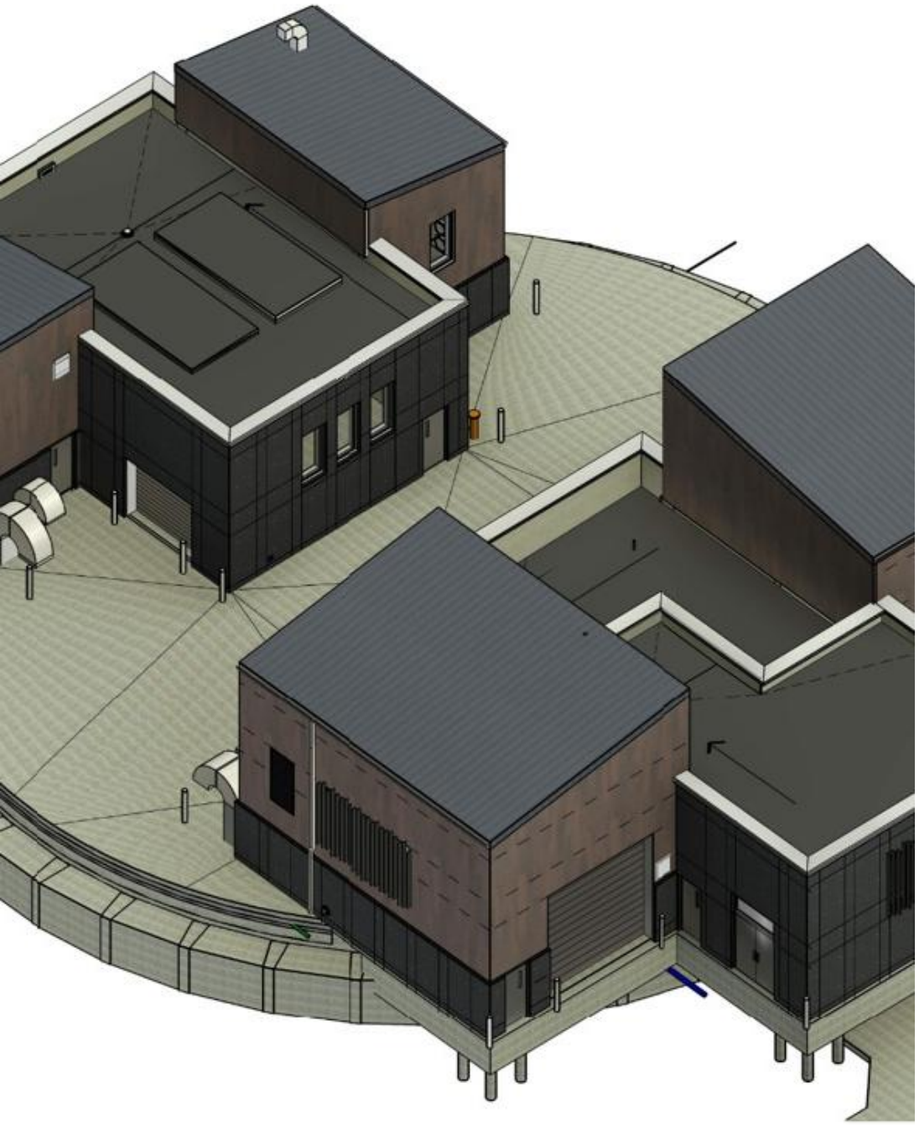
Amendment Request

- Amendment requested to extend B&C's contract through the construction phase of the project for the following reasons
  - Continuity of design intent
    - Specialized knowledge of the project's design assumptions, calculations and technical details
    - Reduces the risk of misinterpretation or inconsistency
  - Specialized design expertise
    - Diaphragm wall construction method is unique and complex
    - Same team will be essential during construction to support field implementation, resolve issues and protect the integrity of the design

Amendment Request (cont.)

- Professional responsibilities and liabilities
  - B&C is Engineer of Record
  - Holds liability and Errors and Omissions (E&O) insurance to cover their design work
- Risks of alternative consultants
  - New consultant learning curve will cause delays and added costs to the project
  - Potential loss of specialized design team for diaphragm wall construction
  - Gaps in accountability
  - Higher claim risks

Conclusion



- Amending B&C's contract to include construction service support will be in the best interest of the project for efficiency, accountability, and risk management
- Anticipated cost for construction services support: $7,500,000
- Cost is comparable to other projects with similar efforts
- This will amend existing A/E contract 20P210 with Brown and Caldwell (B&C) by adding 6 years for construction support, and $7.5M, for a total contract value of $14,066,704.

Proposed Action

That the Metropolitan Council authorize the Regional Administrator to execute an amendment to contract 20P210 with Brown and Caldwell that will add an amount of $7,500,000 to provide engineering construction services for the design of the new Lift Station L32A, for a total contract value not to exceed $14,066,704.00.

Questions

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