


Date: July 24, 2019

To: Board of Directors

From: Doug Kelsey 

Subject: **RESOLUTION NO. 19-07-55 OF THE TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON (TRIMET) AUTHORIZING A MODIFICATION TO THE CONTRACT WITH CH2M HILL, INC. FOR DESIGN SERVICES FOR THE STEEL BRIDGE TRANSIT IMPROVEMENTS PROJECT**

1. Purpose of Item

This Resolution requests that the TriMet Board of Directors (Board) authorize the General Manager to execute a contract modification (Modification) to the contract with CH2M Hill, Inc. (CH2M) for Design Services for the Steel Bridge Transit Improvements Project (Project)

2. Type of Agenda Item

- Initial Contract
- Contract Modification
- Other _____

3. Reason for Board Action

Board authorization is required because the proposed Modification increases the contract amount beyond the amount previously authorized by the Board.

4. Type of Action

- Resolution
- Ordinance 1st Reading
- Ordinance 2nd Reading
- Other _____

5. Background

The Steel Bridge is a critical transportation component for TriMet’s system, and also for the City of Portland in general. It carries TriMet’s Blue, Red, Yellow, and Green light rail lines, as well as freight rail, automobile, bicycle and pedestrian traffic across the river. Given the age of the bridge and its high use by all types of traffic, maintenance and urgent repairs of the rail-related features are frequently needed, but difficult to perform, and create delays throughout TriMet’s system.

At its January 27, 2016 meeting, the Board approved Resolution No. 16-01-08, authorizing TriMet to execute a contract with CH2M to begin assessing short and long-term light rail-related improvements in and around the Steel Bridge, with the goal of increasing reliability and maximizing the capacity of the existing bridge.

CH2M's design work under the contract currently has two components. The first is to improve rail system reliability for TriMet's riders by assisting TriMet to assess the current trackway conditions across and adjoining the Steel Bridge, recommending cost-effective improvements, and creating the required construction documents for short-term rail improvements. The second is to develop long-term feasible concepts for future capacity improvements that include a range of scenarios for extending the life of the bridge, and to assess the viability of a future replacement bridge.

At its May 15, 2017 meeting, the Board approved Resolution No. 17-05-45, which authorized a modification to the Contract with CH2M, in order to accommodate additional costs to the Project associated with further design work and scope refinement that occurred during the 30% design phase. Primarily, these included trackway and rail joints needing full replacement, and drainage problems affecting signal reliability. CH2M's long-term capacity analysis work also expanded over what was originally anticipated, as the RFP's four potential concepts for long-term improvements became numerous options that CH2M and TriMet narrowed to a reasonable range of alternatives for further study of the bridge's long-term future, which increased the work required by CH2M.

To date, CH2M has completed the 90 percent design for the short-term improvements. CH2M will advance construction documents to final design with the assistance of the CM/GC contractor, who will reconstruct the trackway over the Steel Bridge in a phased approach through August 2020.

In order to complete the final design package and design services during construction phase because additional work has become necessary. Specifically, final design and design service during construction will require coordination with the signal system modernization and accommodate front line employee safety enhancements. The combination of unexpected challenges and the added work scope has resulted in a need to increase the contract amount from \$1,620,000 to \$2,320,000.

The \$700,000 added cost for these final steps in the Project is less than TriMet's fair cost estimate. CH2M has performed strong work thus far while maintaining authorized task order budgets and keeping TriMet apprised of the potential increases in overall Project scope and costs to complete. CH2M has worked well with TriMet to solve issues as they have arisen and continues to be flexible with the scope changes requested by TriMet.

6. Procurement Process

The contract was procured via a competitive Request for Proposals process.

7. Diversity

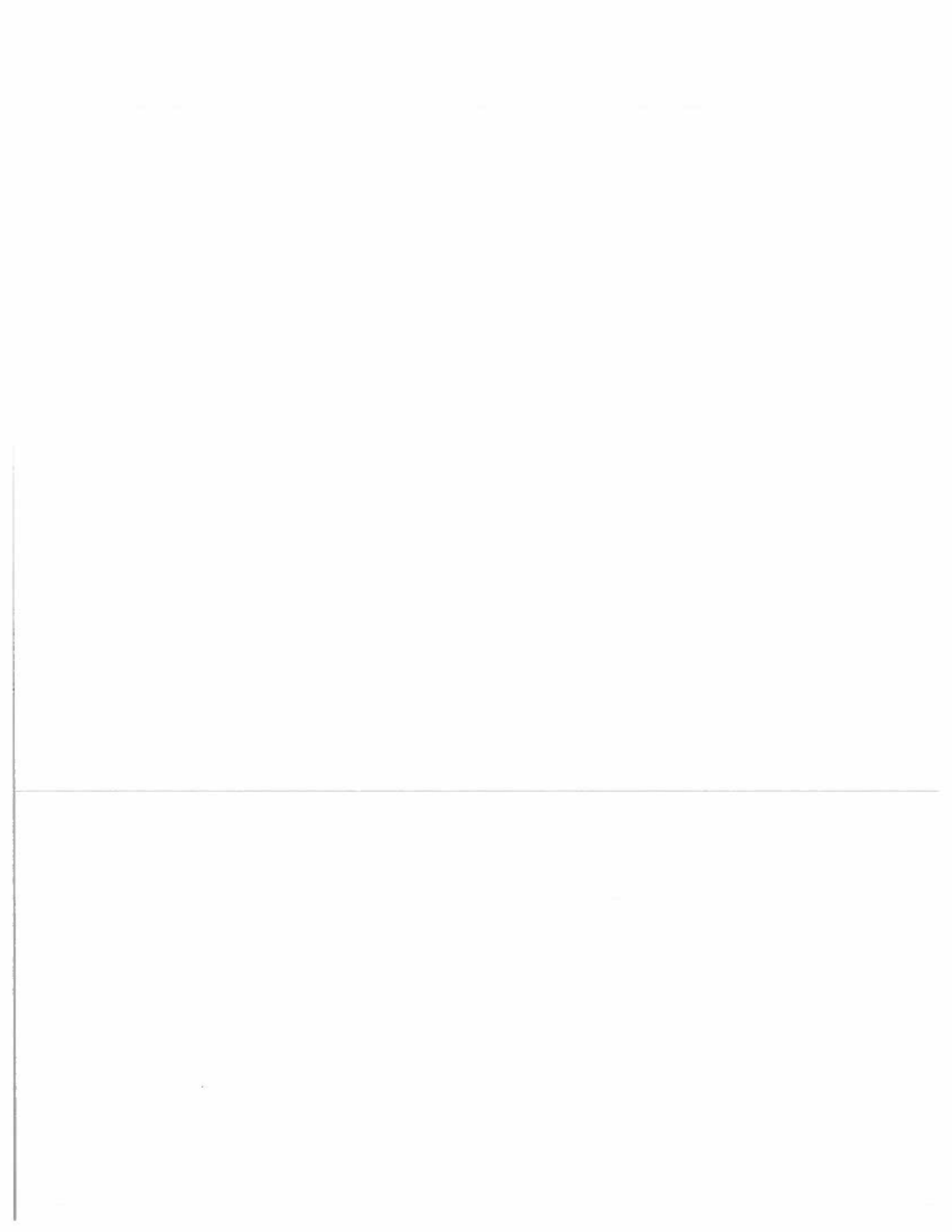
CH2M indicated that it expected to achieve at least 15 percent Minority/Women/ Emerging Small Business/Service Disabled Veteran Business Enterprise (M/W/ESB/SDVBE) participation on the Project at the time of award. Thus far, CH2M is achieving 15 percent participation and expects to meet that percentage with the additional anticipated task orders.

8. Financial/Budget Impact

The increased contract amount is included in the FY2020 capital program budget.

9. **Impact if Not Approved**

TriMet's alternative would be to procure another design consultant to complete the work begun by CH2M. This would delay the completion of the design and make it difficult to meet the schedule for the short-term improvement work. Furthermore, CH2M's performance to date has been excellent. Hiring another design consultant to complete the work would be unlikely to lead to cost savings due to increased inefficiency, including the need to bring a new design firm up to speed with work completed to date and the potential for duplicative work.



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TRANSPORTATION DISTRICT OF OREGON (TRIMET) AUTHORIZING A
MODIFICATION TO THE CONTRACT WITH CH2M HILL, INC. FOR DESIGN
SERVICES FOR THE STEEL BRIDGE TRANSIT IMPROVEMENTS PROJECT**

WHEREAS, TriMet has authority under ORS 267.200 to enter into a contract modification (Modification) with CH2M Hill, Inc. (CH2M) for Design Services for the Steel Bridge Transit Improvements Project (Project); and

WHEREAS, the total amount of the Modification exceeds the contract amount originally authorized by the TriMet Board of Directors (Board); and

WHEREAS, by Resolution dated October 25, 2017, the Board adopted a Statement of Policies requiring it to approve personal services contracts obligating TriMet to pay in excess of \$500,000;

NOW, THEREFORE, BE IT RESOLVED:

1. That the Modification shall conform with applicable law.
2. That the General Manager or his designee is authorized to execute the Modification increasing the contract amount from \$1,620,000 to \$2,320,000, through the January 31, 2021 projected termination date of the Project.

Dated: July 24, 2019

Attest:

Presiding Officer

Recording Secretary

Approved as to Legal Sufficiency:



Legal Department

