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IDAHO TRANSPORTATION DEPARTMENT
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February 28, 2018

Scott Frey, Transportation Engineer
Lori Porreca, Community Planner
Federal Highway Administration
Idaho Division Office
3050 Lakeharbor Lane, #126
Boise, ID 83703

Dear Scott and Lori:

We are requesting your approval to amend ITD's previously approved FFY 2018 Annual Transportation Planning and Research Work Program. At the request of ITD's Bridge Section staff, we are proposing to add a new research project to the work program (Item 6.15).

The project is an extension of a current research project with Idaho State University focusing on assessing the performance of an ITD-developed High Early Strength (HES) concrete mix for use in Accelerated Bridge Construction (ABC) applications (Item 6.10). This concrete mix has performed well in lab testing and is seen as a possible cost-effective alternative to Ultra High Performance Concrete (UHPC). The Bridge staff would like to study how the mix performs in a field application and they are planning to use the mix on a bridge that will begin construction this spring. The project was requested now so the bridge can be instrumented this spring with strain gauges that will provide data needed to assess concrete performance.

The cost of the project is estimated at \$73,525 and the project duration is expected to be 13 months. We are proposing to pay \$35,900 of the project cost this year and the remaining costs would be included in our FFY19 work program. Funding for the FFY18 costs for the project would come from reducing the amount budgeted this year for RP 272 (Item 6.14) by \$24,400 to better reflect anticipated costs this year and allocating \$11,500 to the project from the contingency funds shown in the Planning portion of the work program.

Please feel free to contact me at 334-8296 if you have any questions. Thanks.

Sincerely,

Ned Parrish
Research Program Manager

cc: Blake Rindlisbacher, Administrator, Engineering Services Division
Linda Brown, Highways Business Manager
Monica Crider, Contracting Services Engineer
