



To: John Grace, Coastal Engineer, FEMA Region I
From: Fay Rubin, CTP Project Director
Date: January 6, 2017
Re: Requested revision to EMB-2016-CA-001

I am writing to request your consideration of a revision in the scope of our FY16 CTP agreement, EMB-2016-CA-001, that includes the development of flood hazard data for all or part of 26 communities in the Pisacataqua-Salmon Falls River Watershed. Under the current agreement, we are funded to conduct detailed AE modeling on 33.4 stream miles, AE redelineation of 79 stream miles, and approximate Zone A modeling of 410.5 stream miles. The proposed revision is to increase the miles of detailed AE modeling by 12 miles for a new total of 45.4 miles, and reduce the AE redelineation to 67 miles. (There would be no change in the Zone A modeling component of the agreement.) The 12 additional miles represent segments of the Cocheco River in Dover/Rochester, Strafford County.

The estimated net cost of the additional 12 miles of detailed modeling is \$61,802. (This figure represents the total estimated cost of \$71,450, less the \$9,648 credit resulting from not performing the redelineation on these stream miles.) I am proposing that this cost be covered by modifying the current agreement as follows:

- Reduce Produce Preliminary Maps allocation by \$30,374, from \$64,606 to \$34,232. Associated with this budget reduction, we would perform all steps associated with this task through the generation of the first set of .pdf panels. Tasks associated with the initial review/QC and subsequent editing of the panels would not be performed under the current agreement.
- Eliminate Independent QC Preliminary Maps - \$24,800
- Eliminate Distribute Preliminary Maps - \$6,628

If approved, my expectation is that we will submit a FY17 application that will, at a minimum, incorporate the three revised/eliminated tasks. Pending further discussions with you, the FY17 application may also include the post-preliminary processing components of the project.

Overall, there would be no impact on the project schedule as the tasks proposed for re-allocation are not scheduled to be completed until next fiscal year.

In consultation with AECOM, it is our collective position that performing this additional work would be of significant benefit to the communities, and would result in a cost-effective mechanism for achieving NVUE compliance for the 12 stream miles under consideration. Also note that the FEMA Report, *"Independent Evaluation of Recent Flooding in New Hampshire", July 2008* documents the need for study on the Cocheco River (among others), with results indicating that the effective FIS underestimates the extent of the floodplain based on actual flood elevations observed in the field. I was not able to incorporate this work in the original MAS due to budget limitations, but upon further consideration, believe that we have an important opportunity to significantly improve the mapping by incorporating this element in our current scope.

Please let me know if you need any further information as you review this request. It would be helpful to have a decision by the end of January so that we can initiate any required contract revisions in February and proceed with the required field work in March.

Thank you in advance for your consideration of this request.