

NETC ADVISORY COMMITTEE BALLOT

NETC 10-3

BALLOT QUESTION:

To approve the No Cost Extension for NETC 10-3 “Low Temperature and Moisture Susceptibility of RAP Mixtures with Warm Mix Technology” dated May 9, 2016, extending the end date from June 30, 2016 to May 31, 2017.

The No Cost Extension request, a committee inquiry, and the PI’s response is attached for your reference.

_____ **In Favor**

_____ **Opposed**

Comments: _____

NAME:

AGENCY:

DATE:

**PLEASE COMPLETE THE ABOVE BALLOT AND
RETURN IT BY EMAIL OR FAX by July 15, 2016 TO:
Glenn McRae, NETC Coordinator
E-MAIL: NETC@uvm.edu
FAX: 802.656.1312**

Jacob Leopold

From: Walaa S Mogawer <wmogawer@umassd.edu>
Sent: Monday, May 09, 2016 9:29 AM
To: Jacob Leopold
Cc: Denis Boisvert
Subject: Requesting and Extension for NETC 10-3
Attachments: NETC13-2 Extension Letter 01-21-16.docx

Follow Up Flag: Follow up
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Hi Jacob,

Hope all is well. By this email, I would like to request a no-cost extension for the NETC 10-3: Low Temperature and Moisture Susceptibility of RAP Mixtures with Warm Mix Technology. The major component of this research project is to test **plant produced** high RAP mixtures. After several commitments from contractors that were not fulfilled, we finally had one contractor that produced some of the necessary mixtures in November 2015. The testing and analysis for these mixtures is complete. These mixtures included one type of warm mix additive (WMA). The project requires to use more than one WMA additive. Recently, one of the initial committed contractors approached the research team and agreed (again) to produce all the necessary mixtures to complete the study. The contractor will start producing the mixtures early next week (the week of May 16). This contractor will be using at least two WMA additives and four different level of RAP contents. The production will be completed within four weeks. This is a great development and is needed to fulfill the objectives of the project as data from one set of mixtures (one contractor) will not provide the member DOTs the conclusions they are expecting. Hence, I am requesting a no-cost extension of the project to May 31st, 2017 to test these new mixtures. The extension will allow us to complete and fulfill the objectives of the project as stated in the proposal. Our aim is to provide NETC and the DOTs the highest quality of research and accordingly I believe it is necessary to obtain and test these new mixtures.

Please let me know your thoughts and what would be necessary to move forward with an extension.

Thank you very much.

One last item on another project, Umass Dartmouth has not heard anything about the requested no-cost extension for NETC13-2: HMA Mixtures Containing Recycled Asphalt Shingles (RAS): Low Temperature and Fatigue Performance of Plant-Produced Mixtures which was submitted in January of 2016 (Please see attached letter). This project is scheduled to end on May 31st, 2016.

Professor Walaa Mogawer, Ph.D., P.E., F. ASCE
Director



Highway Sustainability Research Center

University of Massachusetts

151 Martine Street - Room 131

Fall River, MA 02723

Phone: [\(508\) 910-9824](tel:(508)910-9824)

Fax: [\(508\) 999-9120](tel:(508)999-9120)

From: "NE Transportation Consortium" <netc@uvm.edu>

To: "Walaa S Mogawer" <wmogawer@umassd.edu>

Cc: "Richard Bradbury" <Richard.Bradbury@maine.gov>, "Bryan Engstrom"

<Bryan.Engstrom@dot.state.ma.us>, "David J Kilpatrick" <David.Kilpatrick@ct.gov>, "Denis Boisvert"

<DBoisvert@dot.state.nh.us>, "Michael Byrne" <michael.byrne@dot.ri.gov>

Sent: Friday, May 13, 2016 2:09:40 PM

Subject: RE: Requesting and Extension for NETC 10-3

Good Afternoon Walaa,

Please find below an inquiry from a member of the Technical Committee, please address the below inquiry via email if you can. If a technical committee call should be held to discuss the NCE please let me know. Additionally I should take this opportunity to note that the Advisory Committee is very concerned about any NETC project receiving an NCE at this time. Timeliness of research results has been a major concern at the recent advisory committee meeting. I think discussion of these points will help any recommendation that comes from this technical committee.

Thank you,
Jacob

"I agree that the additional information they want to develop is beneficial to give a high quality and complete report, it is concerning that this project needs to be extended 1.75 years past its intended due date. As of December 2015 they hadn't even completed 50% of the project, 3 months after the intended due date. Several tasks like the literature review, determining the critical information, and developing the testing matrix should have been completed. I would approve of the no cost extension, but not for the time period asked. Is there a valid reason that can be given for why the research could not be completed by December 2016 (especially since the remaining materials should be collected by around June 2016)? That gives nearly 6 months to finalize the testing and the report. I think this research will yield important information and I don't want to see it lost in time."

From: Walaa S Mogawer [<mailto:wmogawer@umassd.edu>]

Sent: Monday, May 09, 2016 9:29 AM

To: Jacob Leopold <Jacob.Leopold@uvm.edu>

Cc: Denis Boisvert <DBoisvert@dot.state.nh.us>

Subject: Requesting and Extension for NETC 10-3

NE Transportation Consortium

From: Walaa S Mogawer <wmogawer@umassd.edu>
Sent: Monday, May 16, 2016 12:01 PM
To: NE Transportation Consortium
Cc: Richard Bradbury; Bryan Engstrom; David J Kilpatrick; Denis Boisvert; Michael Byrne
Subject: Requesting and Extension for NETC 10-3

Dear Technical Committee for NETC 10-3,

Thank you for considering the request to extend the project **NETC 10-3: Low Temperature and Moisture Susceptibility of RAP Mixtures with Warm Mix Technology**. The project, as stated in the RFP, was based on testing plant produced mixtures from two plants. At the beginning of the project three contractors committed to help the research team. However, even after numerous follow up meetings and phone calls by the research team, only one of the three contractors followed through with production of the mixtures in October 2014. Unfortunately, non of these mixtures met the required volumetric properties and the binder content was off target. Since the inception of the project, the research team has continually kept trying to find contractors willing to help produce the mixtures for this study. In November 2015 one contractor in Massachusetts assisted the team by producing mixtures at three different percent binder replaced levels with the only WMA they had available. The contractor also separately produced the mixtures without binder so that the the moisture content remaining after production in the mixture could be quantified. Beyond this contractor, the research team has done its utmost best to get contractors from the New England states to produce the necessary mixtures. The main issue for contractors appears to be the quantity of mixtures required (fabricating mixtures at different RAP moisture levels, three levels of percent binder replaced, and three different WMA). This summer a contractor in Western MA has offered to produce mixtures using at least two WMA technologies.

As noted above, this project relies on other entities (contractors) providing the mixtures needed to complete the project. If contractors do not provide the mixtures during their production season, the research team has no other option but to wait until the next production season. Furthermore, the mixtures that were received in Fall 2015 have been tested and the data has been analyzed (please see next QPR). We also have completed the survey of the DOTs as it was one of the tasks required. The request to extend the project to May 31, 2017 is so that this contractor can produce the mixtures during the summer starting in this month as their schedule allows. If all mixtures were to produced this month then the research team will complete the project by December 31, 2016. However, from the experience dealing with contractors schedules, there is no guarantee that all necessary mixtures will be produced in a time that allows the research team to finish the project by December 31, 2016.

I would like to emphasize that UMass Dartmouth always strives on completing research projects on time and providing a quality end product. As it stands now, with mixtures from only one contractor, the application of any findings will be limited at best.

Thank you very much

Professor Walaa Mogawer, Ph.D., P.E., F. ASCE
Director
