

Updated 7/20/2015				Start Date		End Date		Most Recent Quarterly Report Date = 6/30/2015			Spent Burdget (as of most recent)		Progress (as of most recent)		Progress Broken Down by Task
Project Number	Project Name	PI	Contract Execution Date	Start Date on Contract	Actual	End Date on Contract	Actual	Reasons for variations	Total Budget	Anticipated	Actual Invoiced	Anticipated	Actual		
06-4	Preventative Maintenance and Timing of Applications	Walaa S. Mogawer, Umass	8/21/2013	9/16/2013	9/16/2013	9/15/2016	4/2/2016	NOTE: No Cost Extension was requested and approved by the Technical and Advisory Committee. New end date is 9/15/16. Old end date was 9/15/15. <u>New end date is beyond NETC contract end-date. NCE waiting for NETC Contract NCE approval</u>	\$ 242,909.00	\$ 144,636.23	\$ 54,565.81	60%	22%	Task 1: Kick-Off Meeting (100%) Task 2: Literature Review (50%) Task 3: Internet Survey (80%) Task 4: Assess Current Preventive Maintenance (PM) Practices in New England States (10%) Task 5: Development of Pavement Preventive Maintenance Procedures for New England (10%) Task 6: Laboratory and Field Testing (10%) Task 7: Determination of Feedback Mechanism (0%) Task 8: Development of Pavement Preventive Maintenance (PPM) Manual (0%) Task 9: Training (0%) Task 10: Preparation of the Final Report (0%)	
07-1	In-Place Response Mechanisms of Recycled Layers Due to Temperature and Moisture Variations	Jo Sias Daniel, UNH	7/23/2013	7/1/2013	7/23/2013	3/31/2016	3/31/2016	1. The PI originally listed a Project End Date beyond 4/2/16, which is the end date of UVM's contract to Coordinate NETC. The contract and proposal had to be revised accordingly.	\$ 198,154.00	\$ 142,662.81	\$ 116,054.34	72%	59%	Task 1: Conduct Survey and Identify Potential Test Sites (100%) Task 2: Select Test Sites and Develop Work Plan (100%) Task 3: Execution of Work Plan (90%) Task 4: Data Analysis (50%) Task 5: Final Report (0%)	
09-2	Effective Establishment of Native Grasses on Roadsides	Julia Kuzovkina, Uconn	10/16/2013	9/1/2013	10/16/2013	2/28/2016	2/28/2016	1. Uconn requested some revisions to the contractual language with respect to final financial reporting and insurance requirements. 2. Rebudget requested (5/15), approved by technical cmte	\$ 80,000.00	\$ 57,526.01	\$ 51,591.89	72%	64%	Task1: Literature Review (40%) Task 2: Interviews (90%) Task 3: Field Inspections/Testing (70%) a. Select a suite of native grasses with the most potential for roadside establishment in New England b. Develop effective establishment protocols through modification of existing approaches Refinement of previously developed protocols Establishments of the demonstration plots c. Evaluate native grass tolerances and potential for degradation of roadside contaminants Final Task: Publication of a Manual	
09-3	Advanced Composite Materials: Prototype Development and Demonstration	Roberto Lopez-Anido, UMaine	10/14/2013	9/1/2013	9/25/2013	8/31/2016	4/2/2016	1. Umaine requested some revisions to the contractual language with respect to insurance requirements (and some other minor requests) 3/2015 - looking for other bridge drains to inspect - if none found, will ask for NCE to finish the report (TC will meet again in May to decide) <u>5/20/15 NCE request received. New end date proposed 12/31/15</u>	\$ 165,000.00	\$ 99,061.62	\$ 113,593.68	60%	69%	Task 1: Conduct review of typical bridge drain details that are representative in New England. (99%) Task 2: Develop standard drain requirements for new and rehabilitation projects (99%) Task 3: Identify and contact FRP composite manufacturers (100%) Task 4: Identify two or three bridges being constructed within New England where the FRP standard drains can be used. (85%) Task 5: Coordinate with field personnel at each of the bridge sites selected and document the installation (10%) Task 6: Document the FRP drain initial condition after installation (65%) Task 7: Prepare a final project report highlighting the outcomes of the research (50%)	
10-3	Low Temperature and Moisture Susceptibility of RAP Mixtures with Warm Mix Technology	Walaa S. Mogawer, UmassD	8/21/2013	9/16/2013	9/16/2013	6/30/2016	4/2/2016	NOTE: No Cost Extension has been requested, and is currently being reviewed by the Technical Committee. <u>As of 8/2015, TC approval for NCE has been received.</u>	\$ 150,158.00	\$ 96,171.92	\$ 47,181.64	64%	31%	Task 1: Literature Review (80%) Task 2: Determine Critical Information (60%) Task 3: WMA Technologies Selection Process (50%) Task 4: Identify Moisture Susceptibility Test (25%) Task 5: Development of a Testing Matrix (60%) Task 6: Obtain Plant Produced Samples (15%) Task 7: Laboratory Testing of Plant Produced Samples (0%) Task 8: Prepare a Final Report (0%) Task 9: Execute Implementation Plan (0%)	

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13-1	Development of High-Early Strength Concrete for Accelerated Bridge Construction Closure Pour Connections	Sergio F. Breña University of Massachusetts Amherst	8/18/2014	9/1/2014	9/1/2014	8/31/2016	4/2/2016	The proposed project period was for 24 months. However, the NETC Coordinator's contract is set to end 4/2/16. We needed a No Cost Extension to the NETC Coordinator's Contract so that we can extend the research subawards to their actual end date (24 month project). This NCE was requested in Jan/Feb 2015. <u>Project end date is beyond NETC contract end-date.</u>	\$ 174,923.00	\$ 72,365.41	\$ 59,475.89	41%	34%	Task 1: Literature Search – 85% complete Task 2: Develop Mixture Design Specification – 35% Task 3: Develop Mix Design – Work for this task has not started (25%) Task 4: Test Mixture – Work for this task has not started (5%)
13-2	HMA Mixtures Containing Recycled Asphalt Shingles (RAS): Low Temperature and Fatigue Performance of Plant-Produced Mixtures	Walaa S. Mogawer, UmassD	7/21/2014	6/1/2014	7/21/2014	5/31/2016	4/2/2016	7/21/14 was the date the research contract with the PI was signed. The proposed project period was for 24 months. However, the NETC Coordinator's contract is set to end 4/2/16. We need a No Cost Extension to the NETC Coordinator's Contract so that we can extend the research subawards to their actual end date (24 month project). This NCE was requested in Jan/Feb 2015. <u>Project end date is beyond NETC contract end-date.</u>	\$ 249,785.00	\$ 126,361.82	\$ -	51%	0%	Task 1: Kick-Off Meeting (0%) Task 2: Literature Review (80%) Task 3: Determine Critical RAS Information (0%) Task 4: Determine Regional Asphalt Mixture Producers in New England with Capabilities and Willingness to Produce Mixtures Incorporating RAS for this Study (15%) Task 5: Assist Producers in Evaluating the Properties of the RAS and RAP to be used in Production (0%) Task 6: Assist Producers in Developing Laboratory Mixture Designs Utilizing RAS and Determine Actual RAS Binder Contribution to Mixtures (0%) Task 7: Produce and Obtain Plant Produced RAS Mixtures (0%) Task 8: Vary Production Parameters (Temperatures, Silo Storage, etc.) to Obtain Similar Virgin and RAS Mixtures (0%) Task 9: Construct Test Matrix and Evaluate the Performance of the Plant-Produced Mixtures (0%) Task 10: Identify Critical Material Properties and Plant Operations that Yield RAS Mixtures with Performance Properties Equivalent to Typical All-Virgin Material Mixtures (0%) Task 11: Develop a Plant Guideline for the Use of RAS in Virgin and RAP Mixes (0%) Task 12: Prepare a Final Report (0%) Task 13: Execute Implementation Plan (0%)
13-3	Improved Regionalization of Quality Assurance (QA) Functions	Eshan Dave, UNH	3/4/2015	12/1/2014	3/27/2015	3/31/2016	TBD	Contract Amended 3/27/15 change PI to Eshan Dave and extend end-date to 3/31/16. Kick-off meeting held 4/30/15	\$ 100,000.00	\$ 25,675.68	\$ 14,036.71	26%	14%	Task 1: State of the Practice Review (0%) Task 2: Development of Common Acceptance Standards for PCE/PSE (0%) Task 3: Reporting and Technical Committee Meetings (0%)
14-1	Measuring the Effectiveness of Competency Models for Job-Specific Professional Development of Engineers & Engineering Technicians	Christopher Ahmadjian, Umass Amherst	5/21/2015	3/1/2015	5/22/2015	9/2/2016	4/2/2016	Project estimated to take 18 months. <u>End Date will need to be modified as soon as the NETC NCE is finalized.</u>	\$ 100,000.00	\$ 8,315.57	\$ 3,005.21	8%	3%	
14-2	Investigation of Northern Long-Eared Bat Roosting Sites on Bridges	Scott Civjan, Umass Amherst	5/6/2015	2/1/2015	5/7/2015	4/2/2017	4/2/2016	Update meeting held 10/20/2015	\$ 205,554.00	\$ 15,948.16	\$ 3,954.25	8%	2%	Task 1: Knowledge Summary including Literature Search (85%) Task 2: Regional Habitat Requirements (75%) Task 3: Create Standard Protocol and Survey Inspection Personnel (20%) Task 4: Protocol Survey of Bridges, Implementation and Field Observations (0%) Task 5: Final Report (0%)
14-4	Optimizing future work zones in New England for safety	Yuanchang Xie, Umass Lowell	8/4/2015	7/6/2015	8/4/2015	7/5/2017	4/2/2016	Kick-off meeting held 9/16/15 in Lowell, MA	\$ 200,000.00	\$ -		0%	0%	Task 1: Literature Review (0%) Task 2: Development of Temporary Traffic Council Plans (TTCP) Metrics (0%) Task 3: Development of Methodology for Testing and Analyzing TTCPs (0%) Task 4: Development of New TTCPs (0%) Task 5: Evaluation of New TTCPs through Simulation (0%)
15-1	Use of Forested Habitat Adjacent to Highways by Northern Long Ear Bats	TBD	New Project						\$ 165,000.00	\$ -			0%	

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15-2	Using the New SHRP2 Naturalistic Driving Study Safety Databases to Examine Safety Concerns for Teens and Older Drivers	TBD	New Project						\$ 150,000.00	\$ -			0%	
15-3	Moisture Susceptibility Testing for Hot Mix Asphalt Pavements in New England	TBD	New Project						\$ 150,000.00	\$ -			0%	
15-4	Optimizing Quality Assurance (QA) Process for Asphalt Pavement Construction in the Northeast	TBD	New Project						\$ 150,000.00	\$ -			0%	

Note: Highlighted boxes are used to demonstrate which projects are either behind schedule or over budget. Keep in mind that the "Anticipated" columns are calculated by dividing the days the project has been open by the total length of the project. Seeing as some project schedules and budgets are either front loaded or end loaded, these estimates are not always accurate. If a box is highlighted, the PI has been contacted and asked to explain the deviation in more detail to ensure we stay on track.