



## PROJECT STATUS REPORT FORM

<b>Project Number:</b> CMT-06-04	<b>Task Force:</b> Cement
<b>Title of Project:</b> Lifecycle Evaluation of Concrete Building Construction as a Strategy for Sustainable Cities	
<b>Lead Partner Country:</b> U.S.	
<b>Participating Partner Countries and Organizations:</b> Canada (See proposed supplement to project being proposed by the Cement Association of Canada and the Athena Institute)	
<b>Project Manager Name:</b> Andy O'Hare <b>Address:</b> 500 New Jersey Avenue, NW 7 <sup>th</sup> Floor Washington, DC 20001	<b>Phone:</b> (202) 408-9494 <b>Fax:</b> (202) 408-0877 <b>Email:</b> aohare@cement.org
<b>Project Start Date:</b> January 2008	<b>Date of Project Status Update:</b> October 2009
<b>Project Location(s):</b> Lawrence Berkeley National Laboratory, Berkeley, California and the Athena Institute, Merrickville, Ontario	
<b>Description of Project:</b> An assessment of the environmental lifecycle of concrete pavements and structures with an emphasis on their long term energy efficiency and ability to minimize greenhouse gas emissions.	
<b>Project Objectives:</b> The objective of the project is to prepare models, populated with cement and concrete lifecycle data, which may be used to predict the energy performance and greenhouse gas emission profile of concrete pavements and structures. The primary focus of the analysis is on low rise residential and commercial structures and concrete pavements.	
<b>Project Deliverables and Milestones:</b> Task 1: Literature Review: Summer 2008 (structures), Summer 2009 (pavements) Task 2: Collection of Lifecycle Data and Data Synthesis: Summer 2009 Task 3: Development of Lifecycle Inventory and Predictive Model: Fall/Winter 2009/2010 Task 4: Peer Review Model: Spring 2010 Task 5: Develop Model Application Case Studies: Summer/Fall 2010 Task 6: Peer Review Case Studies: Fall 2010 Task 7: Prepare Project Report: Fall/Winter 2010	
<b>Project Milestones:</b> See above	
<b>Resources:</b> Project to be funded by the Portland Cement Association. Approximate project budget: \$200,000 U.S.	
<b>Other Information:</b> The project was expanded to include a literature search of pavement lifecycle work. This task is completed and a report will be released in July 2009. This work will be built upon by the pavement lifecycle assessment and lifecycle cost project being proposed by the Cement Association of Canada and the Athena Institute.	