

**MEMORANDUM**

**To:** Board of Regents  
**From:** Board Office  
**Subject:** Proposed Center for Portland Cement Concrete (PCC) Pavement Technology - Iowa State University  
**Date:** April 10, 2000

**Recommended Action:**

Receive the Report on a New ISU Center to be called the Center for Portland Cement Concrete (PCC) Pavement Technology.

**Executive Summary:**

The Center for Portland Cement Concrete (PCC) Pavement Technology will be a new unit within ISU's Center for Transportation Research and Education (CTRE). It is being established in collaboration with the Iowa Department of Transportation and the Iowa Concrete Paving Association. Its mission will be to advance the state-of-the-art of Portland Cement Concrete (PCC) pavement technology (including design, materials science, construction and maintenance) to produce a durable cost-effective sustainable product. There are no new financial obligations to the general fund of the University (therefore, does not need Board approval). If and when external funding is no longer available, the Center will be terminated.

Attached are the responses to the Board of Regents questions on new centers and institutes regarding this proposed center.

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Robert J. Barak

Approved:

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Frank J. Stork

QUESTIONS FOR THE NAMING  
OF AN OFFICIAL IOWA STATE UNIVERSITY CENTER

1. What is the title of the proposed center or institute?

Center for Portland Cement Concrete (PCC) Pavement Technology

2. What is the administrative relationship of the proposed unit to the other entities on campus, such as departments or colleges?

The new center will be a new unit within the Center for Transportation Research and Education (CTRE). CTRE is a university center and the director of CTRE reports to the Vice Provost for Research and Advanced Studies. Many of the faculty and staff affiliated with the new center will be from the Department of Civil and Construction Engineering. However, faculty from other department on campus may conduct projects through the center. For example, faculty from Geological and Atmospheric Sciences and Materials Science and Engineering may collaborate on and conduct research with and through the center.

3. To whom will the administrative director of the unit report?

The administrative director of the new center will report to the director of CTRE.

4. Succinctly describe the basic purpose and objectives of the unit.

A group of founding partners has been formed. The partners include the Iowa Department of Transportation, the Iowa Concrete Paving Association, and CTRE. This group has given the new center the following vision and mission:

**Vision:**

To be an internationally recognized resource center for Portland Cement Concrete pavement leadership in technology transfer, education, and research.

**Mission:**

To advance the state-of-the-art of Portland Cement Concrete pavement technology (including design, materials science, construction, and maintenance) to produce a durable, cost-effective sustainable product.

5. How will the activities of the unit relate to the general mission and teaching programs of the university?

Iowa State University has a long history of teaching pavement design and paving materials science and ISU has been a national leader in pavement-related research dating back to the early 1900s. This center seeks to focus these activities and provide a focal point for concrete pavement-related research.

6. Do similar units exist at other public or private colleges or universities in Iowa? If so, how does the proposed unit relate to them?

The parent organization for the new center, CTRE, works with similar sponsors and clients, and the new center will support services to these same sponsors and clients in a new issue. Currently there are no organized research units who conduct the same services.

7. What are the proposed sources and annual amounts of funding for the unit?

The founding partners of the Center have agreed to provide start-up funding for the Center at the level of approximately one-million dollars over a three year period. The Iowa Department of Transportation authorized \$100,000 for the Center in December 1999, and will consider additional funding on an annual basis. The Iowa Concrete Paving Association has committed to at least \$250,000 annually for a three-year period.

<u>Budgetary Items</u>	<u>Source of Funds</u>	<u>Annual Amounts</u>
Staff	Contributions by founders	\$200,000
Equipment	Contributions by founders	\$133,000

8. Which of the costs in item 7 represent new financial obligations to the general fund of the university?

None