

PROPOSED WORK PLAN

FY 2018/19

I. Overview

The scope of activities of the City and County Pavement Improvement Center (CCPIC) for FY 2018/19 is follows in order of estimated immediate priority:

1. Provide technology transfer through on-line and in-person training, peer-to-peer exchanges, and dissemination of research results and best practices in a variety of formats for a variety of audiences (e.g., policy makers, engineers, planners, community members);
2. Develop technical briefs, guidance, sample specifications, tools, and other resources based on the latest scientific findings and tested engineering solutions for local government pavement engineers, managers, and the consultants who support them;
3. Establish a pavement engineering and management certificate program for working professionals through the UC Institute of Transportation Studies;
4. Serve as a resource center for up-to-date information, regional in-person training, pilot study documentation, and forensic investigations; and
5. Conduct research and development that produces technical solutions that respond to the pavement needs of both urban and rural local governments.

II. Budget

The UC Pavement Research Center (UCPRC) received initial seed funding from the University of California Institute for Transportation Studies (UC ITS) via UC Davis and UC Berkeley to work with the League of California Cities (League) and the California State Association of Counties (CSAC) to establish the Governing Board and governance structure for the City and County Pavement Improvement Center (CCPIC) and to support a modest amount of CCPIC training and outreach to local agencies. The source of this funding from UC ITS is the Road Repair and Accountability Act of 2017 (SB 1). The UCPRC is currently working on an agreement to receive additional funds from the Mineta Transportation Institute (MTI) at California State University (CSU) San Jose, also sourced from SB 1, which will be used to support the involvement of three CSU campuses in delivering CCPIC-related activities and/or products. The expected budget for CCPIC activities based on contributions from MTI and the UC ITS in FY 18/19 is \$200,000:

- SB 1 funds from ITS Davis: \$75,000
- SB 1 funds from ITS Berkeley: \$50,000
- SB 1 funds from MTI: \$75,000

III. Proposed Activities for FY 2018/19

Deliverable	Description	Expected Cost	Status
Online training courses	Provide six online webinar trainings. Proposed topics include: 1) pavement distresses and treatments, 2) asphalt compaction, 3) concrete specifications, 4) unpaving gravel roads and gravel road construction, 5) in-place recycling selection, and 6) use of life cycle cost analysis to select treatments	\$30,000	Nothing completed to date.
Regional in-person training sessions	Subsidize three currently scheduled ITS Berkeley Technology Transfer pavement classes plus six in-place recycling classes. The Tech Transfer classes are Pavement Management Systems and Strategies (Costa Mesa Oct 24-25) and Asphalt Pavement Maintenance and Rehabilitation (Richmond Nov 6 and Los Angeles area Dec 4).	\$52,500	Three ITS classes are scheduled for Fall 2018; and one in-place pavement recycling class completed (Orinda, May 2018). The remaining five classes have not been scheduled yet.
Technical guidance documents	Produce a technical brief, guidance documents, and example specifications for the following topics: 1) use of life-cycle cost assessment (LCCA) in pavement management systems, 2) Selection of in-place recycling, 3) full-depth reclamation design and construction, and 4) partial depth cold in-place recycling design and construction. Develop sample specifications and guidance documents to accompany best practice briefs developed last year on asphalt compaction, concrete specifications, and unpaving to gravel/gravel road restoration.	\$55,000	Work on guidance for LCCA started.
Technical tools	Develop technical tools related to technical guidance documents: web-based LCCA tool, and supporting spreadsheets, checklists, and other tools for the other 3 new guidance documents	\$50,000	LCCA spreadsheet tool developed, under review by pilot agency; initial work on web-based tool completed.
UC ITS Tech Transfer pavement engineering certificate program	Develop pavement certificate program based on web-based and in-place training courses.	\$6,000	Initial outline of program completed.
Pilot and forensic documentation projects	Nothing programmed for FY 2018/19. Note: Forensic investigations will identify reasons for both exceptional and bad performance	\$0-	N/A
Regional resource center	Nothing programmed for FY 2018/19.	\$0-	N/A
Website and publications management	Host and provide ongoing updates of CCPIC website to serve as repository of all developed technical products and publications. Publish documents and manage on website. Provide CCPIC updates through CSU-Chico e-newsletter.	\$6,500	Website established (www.ucprc.ucdavis.edu/ccpic) and regular updates ongoing. CCPIC updates in last two e-newsletters.
Research projects	Nothing programmed for FY 2018-19.	\$0-	N/A
TOTAL		\$200,000	