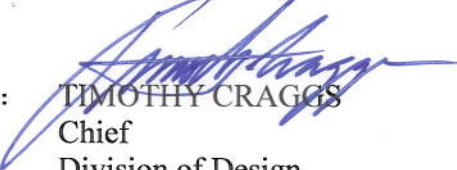


## Memorandum

*Flex your power!  
Be energy efficient!*

To: DISTRICT DIRECTORS  
DEPUTY DIRECTORS  
DIVISION CHIEFS

Date: February 27, 2014

From:   
TIMOTHY CRAGGS  
Chief  
Division of Design

File:

Subject: **IMPLEMENTATION OF CIVIL 3D**

Caltrans is currently in its second year of implementing the roadway design software, Civil 3D, replacing CAiCE. The implementation plan includes staff training and software installation.

While nearly two thousand engineers and surveyors have been trained in Civil 3D and users' experience with the software has been positive, some engineers are opting to use CAiCE. Understanding some may be apprehensive to start using the new software, the time has come to transition to Civil 3D. CAiCE has not had any core developments since 2008 and will risk incompatibility with future versions of Windows operating systems nor function with Microsoft Office 64 bit. Furthermore, Caltrans no longer has a CAiCE maintenance/support contract. To eliminate these risks and take advantage of the efficiency and dynamics of Civil 3D, it is critical for project development staff to switch over to Civil 3D.

To this end, as most surveyors that have been trained in Civil 3D, we are asking our surveyors statewide to stop delivering projects to design in CAiCE format. **All new projects starting July 1st, 2014 shall be designed using Civil 3D.** New projects are those that require the original ground data, when requested for the first time. Additionally, current projects not already at the 30 percent PS&E stage should be converted to Civil 3D. Prior to conversion, impacts to project schedule and support costs should be evaluated against the potential challenges of completing the project in CAiCE. The District Design Manager and Project Manager will make the final determination on whether to convert the project and acknowledge the level of risk if the project is not converted.

For ongoing CAiCE design and construction projects, the HQ CADD office and the Office of Land Surveys will continue to provide necessary support. However, CAiCE support staff is transitioning over to Civil 3D. It is highly recommended that districts maintain some workstations with the latest CAiCE image to properly support those on-going construction projects.

Lastly, as part of the standard image, we will be asking the IT Division not to automatically install CAiCE on newly deployed machines but instead install Civil 3D. For those that still need CAiCE, users can request it to be installed on their workstations. The HQ CADD staff is available to support engineers as they transition to Civil 3D, including on-site support.

DISTRICTS DIRECTORS, et al  
February 27, 2014  
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If you have questions, please contact Jesus Mora, Chief, Office of CADD & Engineering GIS Support, at (916) 227-2630, or Mark O'dowd, at (916) 227-2631.

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