

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENVIRONMENTAL ANALYSIS
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*Serious drought.
Help save water!*

March 8, 2017

Ms. Diana Messina
Section Chief, Surface Water Permitting Section
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

Dear Ms. Messina:

The California Department of Transportation (Caltrans) has completed research on water quality impacts of Cured-In-Place Pipe (CIPP) in a comprehensive report conducted with the California State University, Sacramento, Office of Water Programs. Several regional water boards have questioned the water quality impacts of using CIPP as a rehabilitation strategy on existing culverts. Based on these concerns, Caltrans conducted a research study of CIPP impacts to water quality. CIPP has been shown to be an effective and sustainable method of rehabilitating existing culverts and reducing impacts to surface waters. This culvert rehabilitation method allows Caltrans to minimize disruption to traffic, reduce ongoing erosion of highway culverts, and avoid excavations of deep highway fills, which can require soil disturbance on steep slopes. The conclusions and recommendations developed through a rigorous scientific study show CIPP can be used to protect critical highway infrastructure and be done without negatively impacting water quality.

Please see the attached study and share with your organization as appropriate. If you have any questions please contact Sean Penders, Office of Drainage and Stormwater Design at 916-653-5646.

Sincerely,

A handwritten signature in blue ink that reads "Shaila Chowdhury".

SHAILA CHOWDHURY
Chief Environmental Engineer
Caltrans

Enclosure

CIPP Water Quality-Caltrans-Feb 2017

- c: Philip J. Stolarski, (A) Chief, Division of Environmental Analysis, Caltrans
- Timothy Craggs, Chief, Division of Design, Caltrans
- Janice Benton, Assistant Division Chief, Division of Design, Caltrans
- Bruce Swanger, State Hydraulics Engineer, Division of Design, Caltrans