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,

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

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