Memorandum

To:    DEPUTY DIVISION CHIEFS
Division of Engineering Services

Date: March 12, 2014

From:  BARTON J. NEWTON
Deputy Division Chief
Structure Policy and Innovation
Division of Engineering Services

Subject: UPDATE MEMO TO DESIGNERS 11-8 “DESIGN GUIDELINES OF PRECAST PRESTRESSED GIRDERS”


With newly published Caltrans standard precast, prestressed concrete girder sections in Chapter 6 of the Bridge Design Aids and standard precast, prestressed girder XS sheets, this memo incorporates the most recent design guidance and precast industry new technologies, including High Strength Concrete, Welded Wire Reinforcement, Debonding, and Post-Tensioned Spliced Girders. With the pending precast girder design example to be a part of the Caltrans’ DES Bridge Design Practices Manual, designers will soon have a complete set of design tools for precast girder projects.

This new MTD 11-8 is implemented on all projects in the Advance Planning Study, Plans and Quantities, and Plans, Specifications, and Estimates. Contract Change Orders are not required solely due to the content of this MTD.

For questions or concerns on applications to a specific project, consultants/local agencies should contact the Oversight Engineer or Structure Local Assistance. Caltrans staff may contact the Concrete Technical Specialist, Jim Ma, at (916) 227-8175.


Robert Pieplow, Chief, Division of Engineering Services
Ray Zhang, Chief (Acting), Division of Local Assistance
Dolores Valls, Asst. Division Chief, Structure Maintenance & Investigation
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Susan Hida, Chief, Office of State Bridge Engineer Support
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