

MEMORANDUM

TO: TARA BUSHNOE

FROM: JAMES MIERTSCHIN, P.E.

DATE: FEBRUARY 6, 2013

**SUBJECT: UPPER GUADALUPE RIVER AUTHORITY
KERRVILLE BRIDGES BIRD DETERRENENTS
CONSTRUCTION COMPLETION**



Construction of bird deterrents on the State Highway 16 Bridge in Kerrville, TX is now complete. Installation of bird netting and spikes commenced on December 17, 2012 and finished on January 30, 2013. The contractor was SCR Construction Co., Inc. out of Richmond, TX. Bird netting was successfully installed on spans 2, 3, and 4 in accordance with the “Kerrville Bridges Bird Deterrents” plans and specifications prepared by James Miertschin & Associates, Inc. During construction slight modifications were made to the original design of the netting system to ensure minimal friction rubbing of the netting on the prestressed concrete beams. A final walkthrough was performed by James Miertschin & Associates, Inc. on January 30, 2013. During the final walkthrough general conformance of the cable and anchor system was observed. Small tears in the actual netting were noticed in several areas and were subsequently patched onsite by the contractor. Pictures and descriptions of project are provided below.



Cable and Anchor System Installation



Cable System in Place



Netting being Installed on Span 4



Netting Installation taking Place on Span 2 over the Guadalupe River



Closeup of Netting



End Enclosure on Span 4



End Enclosure above Bent Cap on Span 4



Bird Spikes Installed on top of Bent Caps



Final System Layout over Spans 2, 3, and 4