

# Memorandum

To: MR. KEVIN ROSS  
Structure Design MS-9  
Office of Bridge Design - South  
Bridge Design Branch 12  
  
Attention: Mr. Dan Texler

Date: October 15, 2001  
  
File: 11-SD-56-KP 8.70  
EA 11-172821



McGonigle Creek Bridge  
Bridge No. 57-1082 R/L

From: DEPARTMENT OF TRANSPORTATION  
Division of Engineering Services  
Geotechnical Services - MS 5  
Office of Geotechnical Design - South  
Structure Foundations - South Branch

Subject: Foundation Recommendation Addendum

The following is a Foundation Recommendation Addendum for the Foundation Recommendation Report, dated September 20, 2001, for the proposed McGonigle Creek Bridge (Br. No. 57-1082 R/L) which was recently sent to your office. Pile load tests, one in compression to failure and one in tension to failure shall be conducted on separate non-production piles between Piers 2 of the left and right bridges. The specified pile tip elevation for both test piles shall be 52.2 m. The test pile nearest the left bridge Pier 2 location shall be used for the pile load test in tension to failure, and the test pile nearest the right bridge Pier 2 location shall be used for the pile load test in compression to failure. The test pile to be used in compression to failure shall have the pile tip isolated from the formational material so that the pile load test is based only on skin friction of the pile. The Office of Geotechnical Support, Foundation Testing and Instrumentation Branch has stated that the pile tip can be isolated from the formational material by utilizing a hydraulic bladder placed at the bottom of the drilled hole for the CIDH pile prior to pile construction.

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Any questions regarding the above Foundation Recommendation Addendum should be directed to the attention of Erich Neupert (916) 227-7145 (CALNET 498-7145) or Mark DeSalvatore (916) 227-7056 (CALNET 498-7056) at the Office of Geotechnical Design - South, Structure Foundations South Branch.

Report by:

Supervised by:

Date: 10/15/01



Erich Neupert  
Engineering Geologist  
Office of Geotechnical Design - South  
Structure Foundations - South Branch



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cc: R.E. Pending File  
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