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**January 15, 2010**

**SCS&T No. 0911164  
Report No. 2**

**Ms. Lisa Coburn-Boyd  
Otay Water District  
2554 Sweetwater Springs Boulevard  
Spring Valley, California 91978-2004**

Subject: PORTLAND CEMENT CONCRETE PAVEMENT  
SAN MIGUEL REGIONAL TRAINING FACILITY  
OTAY WATER DISTRICT

Dear Ms. Coburn-Boyd:

**INTRODUCTION**

This report presents transmits Southern California Soil & Testing's portland cement concrete pavement (PCCP) recommendations for the San Miguel Regional Training Facility. SCS&T previously performed a subsurface investigation for the project and presented the results in a report dated January 7, 2010.

The site is located north of the intersection of Campo Road and Jamacha Boulevard in the Rancho San Diego area of San Diego County. We understand that the portion of the site investigated previously will be developed as an emergency training facility in conjunction with the San Miguel Consolidated Fire Protection District. The PCCP will be used frequently by fire apparatus.

Based on the results of the laboratory tests performed for the previous investigation, an R-value of 40 was assumed for design, representing moderately good pavement support characteristics. Fire apparatus loads were modeled using a Traffic Index (TI) of 5.5 for use in the Caltrans rigid pavement design procedure.

The following rigid pavement section is recommended:

Jointed Plain Concrete Pavement (JPCP)	8 inches
Crushed Aggregate Base*	6 inches

\*Standard Specifications for Public Works Construction

The upper 12 inches of subgrade soil should be compacted to at least 95% relative compaction based on the ASTM D 1557 laboratory test procedure.

If you have any questions, please call me at (619) 280-4321.

Respectfully Submitted,  
**SOUTHERN CALIFORNIA SOIL AND TESTING, INC.**



James J. Stone, GE 000808  
Principal Geotechnical Engineer

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