Garrett Fountain, GE, PE
10755 Scripps Poway Parkway Suite 236
San Diego, California 92131

January 18, 2014

Project No. TEN-13-002
Report 1

Mark Wayne, Ph.D., P.E.
Tensar International Corporation
5883 Glenridge Drive, Suite 200
Atlanta, Georgia 30328

Subject: PAVEMENT CONDITION SURVEY
REINFORCED PAVEMENT SECTION RECONNAISSANCE
LA MEDIA ROAD WIDENING AT HIGHWAY 905
SAN DIEGO COUNTY, CALIFORNIA

Dear Dr. Wayne:

INTRODUCTION

In accordance with a request from Mr. Lars Nelson of Tensar® International Corporation, the undersigned prepared this report to transmit the findings of the pavement condition survey performed at the subject site. The purpose of the study was to document the existing distress, if any, of the pavement section at the subject site.

SITE DESCRIPTION

The subject project consists of the southbound lanes of the La Media undercrossing at Highway 905. Paving for La Media was completed in January of 2011. La Media Road experiences heavy truck traffic loads from the nearby border crossing. The subgrade material beneath La Media Road is comprised of clayey sand and clayey sand with gravel. The reinforced pavement section consists of:

- 6 inches asphalt concrete/ 6 inches Class 2 aggregate base / TX5 / 11 inches Class 4 aggregate subbase / subgrade.

Figure 1 shows the limits of the reinforced section.

VISUAL DISTRESS SURVEY

On October 16, 2013, the undersigned visited the subject site. No apparent signs of distress or pavement section failure are observable at this time. Traffic at the site consists of heavy truck traffic. Additionally, the pavement section at the intersection experiences dynamic loads from

vehicles stopping at the signal. The surface of the asphalt concrete along the wheel paths is polished. However, I did not observe or measure any indications of rutting.

I appreciate this opportunity to be of professional service.

Respectfully Submitted,

SOUTHERN CALIFORNIA SOIL & TESTING, INC.

Garrett B. Fountain, GE 2752
Geotechnical Engineer

(1) Addressee

REFERENCES

1. "Geosynthetic Reinforcement of the Aggregate Base Course of Flexible Pavement Structures, AASHTO Designation: PP 46-01 (2003)".
2. "Design Method for Geogrid-Reinforced Unpaved Roads. I. Development of Design Method", J.P. Giroud, M. ASCE and Jie Han, M.ASCE, Journal of Geotechnical and Geoenvironmental Engineering, August 2004.
3. "Design Method for Geogrid-Reinforced Unpaved" Roads. II. Development of Design Method", J.P. Giroud, M. ASCE and Jie Han, M.ASCE, Journal of Geotechnical and Geoenvironmental Engineering, August 2004.
4. "Unified Facilities Criteria, Pavement Design For Airfields, UFC 3-260-02, Appendix J", June 30, 2001.
5. Interim Advice Note 73/06 Revision 1 (2009), Design Guidance for Road Pavement Foundations(Draft HD25)
6. SpectraPave4 Pro™ Tensar TriAx®, Paved Applications Design Method.
7. Caltrans Flexible Pavement Rehabilitation Manual, June 2001


OTAY
AUTO
WORLD
FOR LEASE