American
GEOTECHNICAL & CIVIL
CONSULTING, INC.

Mr. Tony Coney
Trailer Leasing Solutions
902 W. Oakdale Road
Grand Prairie, TX 75050

August 4, 2014
Project #23901

RE: Geotechnical Investigation
Parking Lot Evaluation
400 Shady Grove Road
Grand Prairie, Texas

Dear Mr. Coney:

American Geotechnical & Civil Consulting, Inc. is pleased to present the following pavement subgrade evaluation for the above referenced project. We understand the site was previously an auto impound yard. The site currently has asphalt paved areas, gravel drive lanes and gravel topped areas. Grass has begun to grow in areas of the gravel topped and gravel drive areas. Our evaluation focused on the composition of the asphalt and gravel drive lanes and their suitability to be utilized as fire lanes.

Our investigation consisted on five soil borings to depths of 1 to 2 feet drive areas, as denoted in the Plan of Borings. The borings were drilled using flight auger and material strengths were determined by dynamic cone testing. Asphalt paving was cored using diamond core barrel. The borings were extended to into the native soils. The following table illustrates the findings of our field investigation:

**Table 1 – Paving Conditions**

| Paving Material | Boring Number | | | | |
|---|---|---|---|---|---|
| | B-1 | B-2 | B-3 | B-4 | B-5 |
| Asphalt (Type D) | **2”** | **1½”** | N/A | N/A | N/A |
| Asphalt (Type B) | **2”** | **2”** | N/A | N/A | N/A |
| Crushed Limestone Base | N/A | N/A | **7”** | **6½”** | **6”** |
| Sandy Gravel Fill | **8”** | **8½”** | **5”** | **8”** | **6”** |

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Dynamic Cone Penetrometer tests conducted in the crushed limestone base and sandy gravel fill indicate the soils are in a dense state. Dynamic Cone Penetrometer tests conducted in the native clay soils indicate the soils are stiff to very stiff in consistency. No soft or deleterious materials were encountered in our borings.

The minimum thickness of the paving system (asphalt and base or base) is 12 inches. The underlying soils are stiff to very stiff. Based on the results of our investigation, it is our professional opinion that the gravel drives and asphalt paved areas will provide an all-weather driving surface and are capable of supporting the imposed loads of a 2-axle, 60,000 lb. fire apparatus, with no significant deformations.

We appreciate this opportunity to serve as your Geotechnical consultant for this project. If there should be questions regarding the findings or recommendations presented in this report, please contact our offices at your convenience.

Thank you for the privilege of working with you on this project. We look forward to working with you again. Should questions arise concerning this report, please contact us at (817) 496-1114.

Sincerely,

**American Geotechnical & Civil Consulting, Inc.**

8-4-2014

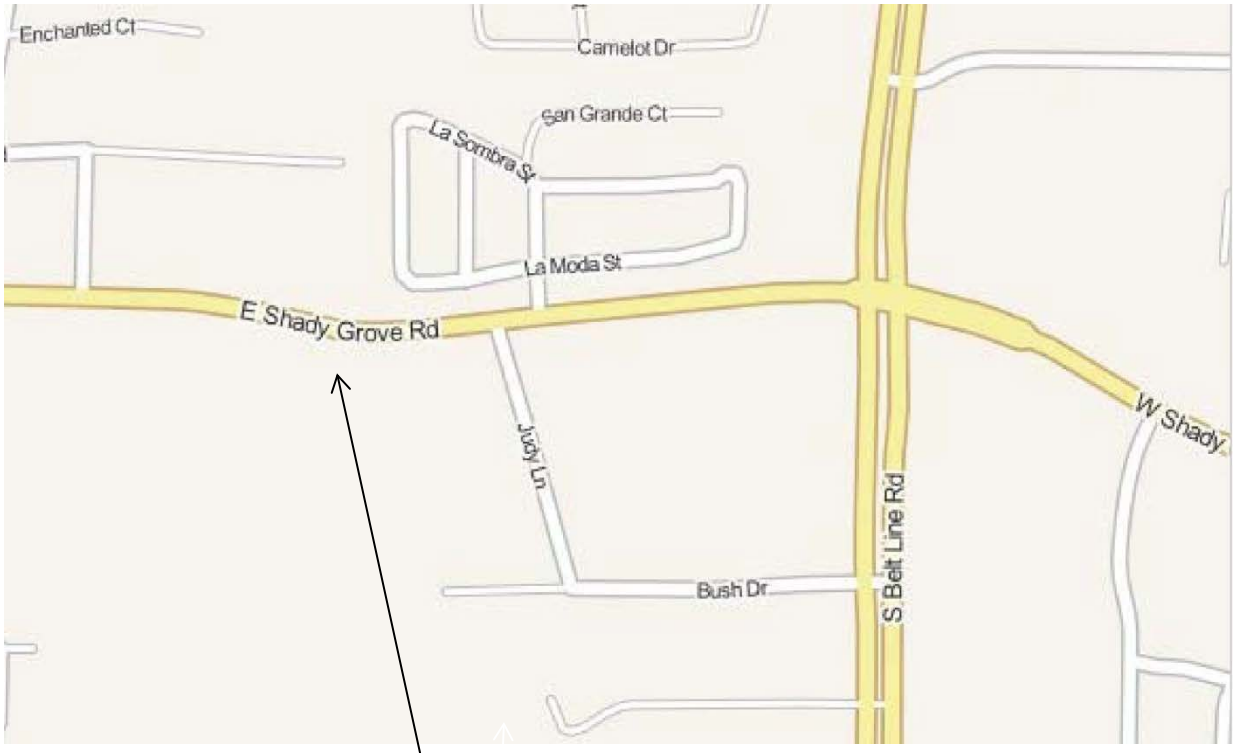
STATE OF TEXAS
JAMES A. MCDANIEL
93622
LICENSED
PROFESSIONAL ENGINEER

James McDaniel, P.E.
Engineering Manger

American Geotechnical & Civil Consulting/
LML Engineering, Inc.
F-10545

Copies Submitted: 1 Above

Attachments: Plate 1: Vicinity Map
Plate 2: Plan of Borings




Project Location

American GEOTECHNICAL & CIVIL CONSULTING, INC.

SITE VICINITY MAP
**Parking Lot Evaluation**
**400 Shady Grove Road**
**Grand Prairie, Texas**
Project 23901 August 2014


North

American GEOTECHNICAL & CIVIL CONSULTING, INC.

PLAN OF BORINGS
**Parking Lot Evaluation**
**400 Shady Grove Road**
**Grand Prairie, Texas**
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