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April 24, 2017

Drew Cunningham
Engineering Project Manager
RaceTrac Petroleum, Inc.
3225 Cumberland Boulevard
Suite 100
Atlanta, GA 30339

RE: Existing Texaco Branded 8-Column Fuel Canopy
802 West McDermott Drive
Allen, TX 75013

Mr. Cunningham,

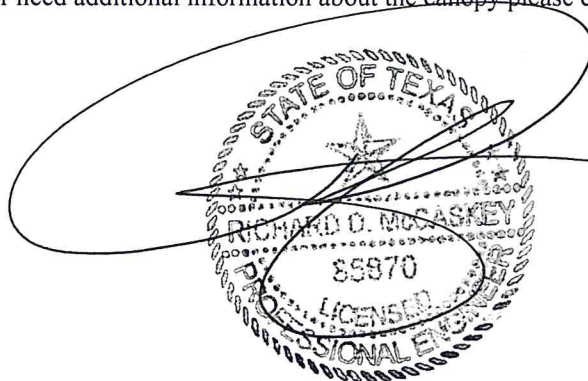
This letter is in response to your request for Lane Supply, Inc. to provide a structural feasibility evaluation of the existing 40'-0" by 115'-0" eight column canopy to support a typical RaceTrac mansard addition. The typical RaceTrac mansard on a new canopy is 4'-8" tall with a 5 on 12 slope. It is my understanding that this is an acquisition site for RaceTrac and no as built drawings are available. Attached are two pictures of the existing canopy from Google Earth. Based on the pictures I estimate that the canopy is approximately fifteen years old. With this information the canopy would have at best been designed according to the 2000 International Building Code. The current 2015 International Building Code requires that if an existing structure is modified by more than ten percent it must meet current building code requirements. This modification would thus require that the canopy be brought up to the new code requirements.

With this information as the basis of the evaluation the addition of the mansard increases the lateral wind load to the canopy structure by more than 100 percent. I am confident that the canopy does not have the capacity to support this amount of additional loading. This does not even include the additional loading induced by the dead load and live load of a new mansard. Additionally the wind speed has been increased as well as the load application factors for the fascia system since the design of the original structure.

Therefore, considering the age of the canopy and its present condition it is my professional opinion that the existing canopy structure will not support a mansard addition.

If you have any questions or need additional information about the canopy please contact me at (817) 261-9116.

Sincerely,



Lane Supply, Inc.
Texas Registered Engineering Firm
F-004358
120 Fairview
Arlington, TX 76010

Richard D. McCaskey, PE
VP/Director of Engineering

Cc: Richard D. McCaskey, File

APR 24 2017

"WE BEGIN WITH SERVICE & BUILD FROM THERE"