

**SBB SPARKS-BARLOW-BARNETT, INC.**  
Consulting Engineers - Planners

January 25, 2006

Mr. Arthur L. Storey, Jr., P.E.  
Executive Director  
Harris County Public Infrastructure Department  
Engineering Division  
1001 Preston Avenue, 7<sup>th</sup> Floor  
Houston, Texas 77002

Attn: Mr. Rand Franzen, P.E.

Re: Request for an Exception to Harris County Guidelines  
Cypress Rosehill from Cypress Mill Park to North of Manor Bend  
PIN CI/103/1103/002; P.O. No. PO81726

Dear Sirs,

Sparks-Barlow-Barnett, Inc. has investigated the existing roadway alignment for the referenced project and has concluded that two of the horizontal curves located within the project limits are substandard to Harris County guidelines. The two curves in question are located to the north and south of the Huffmeister Road intersection and each has an existing radius of approximately 525 feet. Please refer to our Preliminary Engineering Report dated January 2006 for a detailed discussion of the existing and proposed alignment for Cypress Rosehill Road.

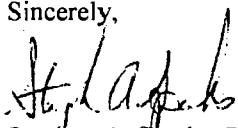
SBBI attempted to utilize the desired 2,000 foot radius curves at these two locations and was unable to do so without significant impacts to private property adjacent to the roadway right of way. Properties damaged by the utilization of the 2,000-foot radius curves include a recently completed water plant for the Sydney Harbor subdivision, A Shell Gas Station and Convenience Mart, the Northwest Houston Christian Church and a Storage Center.

The proposed design recommends using 820-foot radius curves (seven (7) degree curves). The use of these curves will still require additional right of way, but will not damage any of the structures mentioned above. A check of AASHTO guidelines indicates that for a design speed of 40 mile per hour (MPH), superelevation will not be required. The curves in question are at the approach and departure of the Huffmeister intersection which will be signalized on this project. SBBI has recommended that the roadway be signed for 30 MPH in the area of these curves as an extra precaution to vehicular traffic.

SBBI requests that Harris County Public Infrastructure provide approval and authorization to proceed with the recommended design utilizing 820-foot radius curves.

Please call should you have any questions.

Sincerely,

  
Stephen A. Sparks, P.E.  
Vice-President

Approved: \_\_\_\_\_

FRANK  
VAUGHN  
BOSWORTH  
MA  
GRAY  
X-FRANZEN/ATTORNEY  
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