

**ISSH International Engineering Co.**

January 22, 2008

Craig Jordan  
WST Consulting, Inc.  
Spokane Street  
Pullman, WA 99164

Dear Mr. Jordan:

Enclosed please find the Superpave mix design report for SR-150. As requested in your letter, my technicians conducted coarse aggregate angularity tests and flat/elongated particle tests on aggregate CM-11 and CM-16, and fine aggregate angularity tests on sands FA-21 and FA-01. According to Superpave mix design specification, we found that these aggregate samples passed most Superpave aggregate consensus property tests. The exception is that sands FA-21 and FA-01 failed the fine aggregate angularity requirements.

The mix design was based upon the gradation we agreed on previously. According to the experiences, 5.5% trial optimum asphalt content was estimated and the tests were run strictly following the Superpave procedures. Unfortunately, very low optimum asphalt content was obtained (1.73%) which may not be practical. In addition, some volumetric properties such as DP and VFA cannot meet the Superpave specification requirements either. Therefore, we report to you that this mix design failed. We recommend that the blend be adjusted and the entire Superpave tests be conducted again in order to obtain a reasonable mix design.

I believe that this report presents the detailed results and explanations for this Superpave mix design project. However, if you still have questions, please feel free to let me know. I would also be pleased to make a presentation at your office to explain our findings and answer your questions on Friday, February 22. We will be very glad to cooperate with you again in the future.

Sincerely yours,

Jack  
Chief Manager

Enclosure (1)

Superpave mix design report for project SR-150