

**DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program**

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CC Myers  
51 Macalla Road  
San Francisco, CA 94130

Attn: Mr. Bob Coupe

Ref: 215-STL.00186

September 13, 2005

Contract No. 04-0120R4  
04-SF-80-12.6, 13.2  
South – South Detour

Letter No. 05.03.01-000567

Subject: TBS Deck Drainage 215-STL.00186

Dear Mr. Coupe,

The Department has reviewed 215-STL.00186, dated September 07, 2005. It is unfortunate that IAI has elected to use this issue as a cause for their delays in completing the design. The Department will try to do its part to help IAI to push the design forward and eliminate any cause for delays.

As stated in CT letter 05.03.01-000545, dated August 25, 2005, it was "determined that design exceptions may be necessary". Design exceptions are normally used where conditions may justify less stringent criteria than that required by the design manuals. This procedure should be common to any design firm and it is covered in the design manuals. Following are answers to questions in IAI's above referenced letter:

Point a) Whether 50% or 100% was used for the calculation is irrelevant, the Department suggested using 0%. Assume that no run-off is entering from the existing structure onto the TBS.

Point b) The Department suggested use of drop-throughs rather than scuppers. This is merely a suggestion, if you believe that scuppers will produce a better condition, use scuppers as you see fit.

Point 1) Place the drop-throughs in locations that will alleviate water encroachment in areas that will not impact the structural integrity of the bridge.

Point 2) The Department suggested "each drop-through may not be wider than 50mm". The width is fixed due to traffic safety concerns, but the length dimension is IAI's design and can be as long as deemed possible. It may be restricted by other design considerations.

Point 3) Please propose a design for this.

Point 4) In the previous submittal (215-SUB.00082-00), IAI used 5 meter increments. If you believe that different increments will provide a better picture, use it.

If the above is still "very vague and unclear" to IAI, the Department's Engineers will be happy to meet with IAI Engineers to explain the above further. Finally, NOPC #09 is on file and the Department has responded to it. If you have further information to add to this NOPC, please do so at your earliest convenience.

If you have any questions, please contact me at (510) 622-5660.

Sincerely,

<<< ORIGINAL SIGNED >>>

Lourdes David  
Resident Engineer

cc: G. Lai  
T. Lai  
D. Adams  
M. Ardakanian  
A. Yan  
A. Bata

file: 05.03.01, 58.61, 62.02.09