

Dr. Anthony Kane  
Director of Engineering and Technical Services  
AASHTO  
444 N. Capitol Street, NW  
Suite 249  
Washington, D. C. 20001

ATTN: Ms. Tamara Reid

RE: AASHTO LRFD&R Oversight---Quarterly Progress Report

Dear Dr. Kane:

Our estimated report for the Quarter ending March 31st, 2004 follows.

**Task 1 - Maintenance of Specifications:**

*Resolve areas in Bridge LRF Design and Rating documents requiring modification, clarification, or interpretation. This task includes the performance of special studies for provisions of the Bridge LRF Design and Rating documents needing additional development, as directed by the LRFD Oversight Committee.*

We continue to review work on culvert design by Dr. McGrath.

**Task 2 - Technical Assistance and Support:**

*Assist the AASHTO Bridge Subcommittee including the LRFD Oversight Committee with special interpretations of the LRF documents as required. Maintain a database of existing and ongoing study information used to calibrate the load and resistance factors that appear in the specifications and respond to questions regarding this information.*

We attended the "Reliability Workshop" in January.

A few telephone questions have been answered, and we are currently researching the background on some foundation provisions.

**Task 3 - Support of Document Preparation:**

*Provide technical assistance to the AASHTO Bridge Subcommittee including the LRFD Oversight Committee in the preparation of new and revisions to existing LRF Design and Rating documents. Specific tasks include: prepare and submit recommended revisions or new provisions, with supporting documentation, for the*

*LRF Design and Rating documents. Assist with editing of documents prior to balloting and publication. This includes the preparation of an agenda book for the subcommittee's annual meeting. Meet with the LRFD Oversight Committee annually at the AASHTO Bridge Subcommittee meeting.*

We have received most of the 2004 SCOBS Agenda articles and have begun to review them. As one would expect, T-10 and T-14 have been the major sources of Agenda Items. Dr. Wassef is reviewing most of the T-10 Items. The major T-14 Item is the proposed specification for curved steel girder bridges which we are finalizing (with major help from Mike Grubb of BSDI) under the auspices of, and with funds from, NCHRP Project 12-52 and the FHWA Curved Girder project. The support from NCHRP and FHWA has been helpful in reducing costs for Task 3 so far.

We expect to coordinate the Agenda with Mr. Friedland in late March, react to differences, and then submit the text for publishing on the Internet..

#### **Task 4 – Format Conversion:**

*All documents will be provided with all content finalized in Microsoft Word. In order to produce the documents in Microsoft Word, the contractor is responsible for converting documents from existing WordPerfect format. It is understood that a thorough review will be required from both the contractor and the AASHTO Publications Department to confirm that conversion was done correctly. The additional time and expense of this conversion and review should be added to the contractor's initial proposal.*

The final WORD files for the 3<sup>rd</sup> Edition of the design specifications (US and SI) were delivered to AASHTO on February 26<sup>th</sup>. We received editorial critiques and queries resulting from an earlier submission of a “record copy” identifying the accepted '03 Agenda items and were able to react to most of the suggested changes and to respond to all of the queries in the final files. We were also asked to convert the WORD files, the deliverable required by our contract, to PDF's. While a few WORD-related problems showed up in the PDF's, they were eventually dealt with. The PDF's were also submitted on February 26<sup>th</sup>.

We started on preparing the '04 LRFD construction Interims for use with the 1<sup>st</sup> Edition on February 23<sup>rd</sup>.

#### **Task 5 - Project Documentation:**

*Submit a quarterly project report to the LRFD Oversight Committee. The Report should discuss how the project was administered, what the technical and other accomplishments were, the status of special studies, who participated in the study, and a financial report including actual costs to accomplish each task. Further*

*information on financial issues may be requested by the Oversight Committee and the lead state for the Pooled Fund Project. Agenda books, prepared for the annual meeting of the bridge committee under Task 3, may be included as separate appendices in the appropriate quarterly report.*

This is the third quarterly report.

### **Fiscal Status**

A comparison of task budget and estimated costs to date is shown in the following table. The “revised” budgets per task are those sent to Ms. Reid by email of February 6<sup>th</sup>. Since we are submitting this report well before the end of the quarter, the “current” costs based on our accounting records as of February 29<sup>th</sup> and an estimate for work in March. Additionally, Task 1 “current” contains an estimate to complete review of the culvert report noted in the discussion of Task 1, as agreed to previously for reporting purposes.

Task	original	revised	current
1	\$67,564	\$40,000	\$20,000
2	\$52,789	\$40,000	\$7,000
3	\$131,395	\$86,471	\$35,000
4	\$138,633	\$215,000	\$222,782
5	\$11,090	\$20,000	\$1,356

Submitted by Email,  
John M. Kulicki, Ph.D., P.E.  
President/CEO and Chief Engineer