

Transportation Pooled Fund Program

Project Title:

Updating "A Guide to Standardized Highway Lighting Pole Hardware"

Project Manager and Phone Number:	Project No:	Project is:
Michael J. Patritch 307-777-4182	TPF-5(002)	PLANNING X R&D
Reporting Period:	Multi Year Project	
September 2007 to December 2007	Yes	

Description of Work Performed and Progress:

This letter is the first quarterly progress report for the project Update to A Guide to Standardized Highway Lighting Pole Hardware sponsored by the Wyoming Department of Transportation and covering the period between September 2007 and December 2007. The contract was signed and project initiated on September 25, 2007. The following paragraphs summarize the progress to-date in the project.

Unfortunately, the project has experienced a bit of a slow start for several reasons. First, the project team intends to pattern the web-based guide largely on the web development efforts in another project sponsored by NCHRP on revising and putting on-line the Small Sign Support Guide. The development of the web programming in the Sign Guide experienced some delays this past quarter which held back the initial programming for the Luminaire Guide. These problems have been resolved and we expect to move forward quickly now with respect to the web-based luminaire guide. Second, it took longer than anticipated to get the rest of the project team on-board due to other work commitments. Fortunately, this problem has also been resolved and we expect to make up for the lost time in the next quarter. Mr. Stefan Nickolic, the programmer for the Sign Guide, Bridge Rail/Transition Guide will also be developing the web-programming for the Luminaire Support Guide. Ms. Christine Conron will be assisting with the drawing and AutoCAD aspects of the project and Ms. Chiara Silvestri will be assisting Dr. Ray with interpreting and integrating the AASHTO Guide requirements into the TF-13 on-line guide.

Task 1: Determination of Standardized Lighting Poles and Hardware

The first step in the project was to obtain and review all the relevant literature. The new on-line Luminaire Support Guide must coordinate and maintain consistency between the 1980 Task Force 13 "Guide to Standardized Highway Lighting Pole Hardware" Guide and the AASHTO 2006 "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals" and integrate the latest research. These documents were obtained last quarter and were examined. We are experimenting with 2 different conceptual ways of integrating the requirements of the AASHTO Guide with the crashworthiness requirements of concern in the TF-13 Guide.

Task 2: Prototype Guide Development The on-line Luminaire Support Guide is expected to closely follow the format and structure of the other TF-13 on-line guides that are currently being developed and in particular, the Sign Guide. The Sign Guide web-programming is going to be used as a basis for the Luminaire Guide and, as explained above, there were some technical difficulties with the Sign Guide development this quarter. These have been largely resolved and the project team will have an on-line "mock up" Luminaire Guide available by the spring Task Force 13 meeting in May.

Task 3: Final Guide Development This task has not been initiated as yet.

Task 4: Final Report This task has not been initiated as yet. Sincerely,

Malcolm H. Ray, P.E., Ph.D.

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project

Project is: 5 %

on schedule behind schedule, explain:

Initial problems with the programming of the sign guide, and obtaining full commitment of team members.

Expected Completion Date: April 30, 2010

Project Manager