

## Transportation Pooled Fund Program

**Project Title:**

Updating "A Guide to Standardized Highway Lighting Pole Hardware"

**Project Manager and Phone Number:**
**Michael J. Patritch**  
**307-777-4182**
**Project No:**
**TPF-5(002)**
**Project is:**

 PLANNING  
 X R&D

**Reporting Period:**

April 2009 To June 2009

**Multi Year Project**

Yes

Mr. Greg Fredrick

The Wyoming Department of Transportation

5300 Bishop Blvd.

Cheyenne WY 82009

RE: Quarterly Progress Report #7

Update to "A Guide to Standardized Highway Lighting Pole Hardware"

Dear Mr. Fredrick:

This letter is the seventh 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 April 1, 2009 and June 30, 2009. The following paragraphs summarize the progress to-date in the project.

***Task 1: Determination of Standardized Lighting Poles and Hardware***

The research team has continued to work closely with personnel at HAPCO in order to organize the on-line website. The team feels that if we can develop a data structure and software that can accommodate the extensive HAPCO catalog, then we should be able to incorporate all the other manufacturers in the same way. The team obtained complete catalog information as well as drawings and acceptance letters from HAPCO and has been developing a very large database of all the possible alternatives for HAPCO poles. We have categorized all the HAPCO products in a manner that allows us to build an on-line database for their luminaire products. The team has created a draft database using the HAPCO products as examples and is using that to test our software platform for the luminaire guide.

***Task 2: Prototype Guide Development***

The website for the draft on-line luminaire guide is <http://civil-ws2.wpi.edu/Documents/Roadsafe/Guides/luminaireGuide/index.php>. The majority of the work this quarter was devoted to programming for the guide. The HAPCO database is being used to test and develop the search and display features of the guide since it represents a typical range of luminaire products.

***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.

***Contractual***

The research team presented an up-date on the project status to the sign and luminaire subcommittee of Task Force 13 at their spring meeting in San Antonio, Texas in June 4. We plan to up-date the Task Force again at their fall meeting in September.

Sincerely,

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

**STATUS AND COMPLETION DATE**

Percentage of work completed to date for total project

Project is %

on schedule       behind schedule, explain:

Expected Completion Date:      April 30, 2010

**Project Manager Michael Patritch, WYDOT Research Center**