

**18th Quarterly Progress Report to the  
FEDERAL HIGHWAY ADMINISTRATION  
(FHWA)**

**On the Project  
THE IMPACT OF WIDE-BASE TIRES ON PAVEMENT DAMAGE  
DTFH61-11-C-00025**

**For the Period  
July 1st to September 30th, 2015**

**Submitted by  
Illinois Center for Transportation  
University of Illinois at Urbana-Champaign**



## **QUARTERLY PROGRESS REPORT**

### **QUARTER 18**

#### **The Impact of Wide-Base Tires on Pavement Damage – A National Study**

##### **1. Work Performed**

The following tasks were accomplished during this quarter:

- The final report is being edited according to the requirements of Section 508
- The final meeting with the TAC was scheduled, and travel arrangements are being made
- Journal publications were submitted:
  - Effect of wide-base tires on nationwide flexible pavement systems—numerical modeling (accepted with revision TRB)
  - Quantitative assessment of the effect of wide-base tires on pavement response using finite element analysis (accepted by TRB)
  - Environmental and economic impact of using new-generation wide-base tires (under review by TRB)

##### **2. Work to Be Accomplished in the Next Quarter**

- The final report will be finalized per the requirements of Section 508
- Preparation for the TAC meeting will be made
- Workshops will be offered on wide-base tires
- Panel comments will be addressed
- Numerical model verification will be continued

##### **3. Problems Encountered**

- Lack of clarity regarding the requirements of Section 508 has made the process of finalizing the final report more time-consuming than expected

#### 4. Current and Cumulative Expenditures

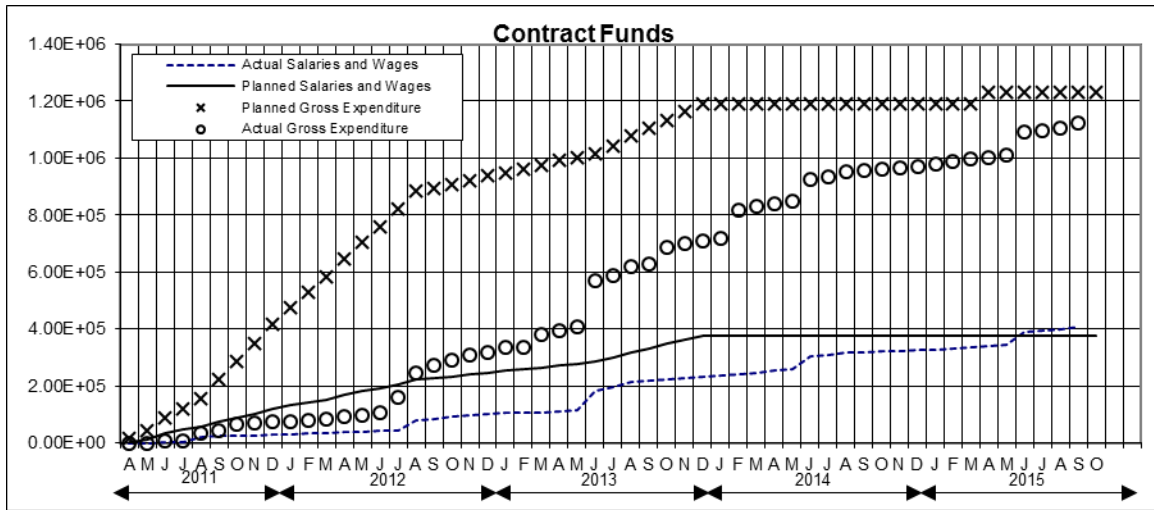


Figure 1. Project’s expenditure (based on current plan including amendments).

#### 5. Planned, Actual, and Cumulative Percentage of Effort

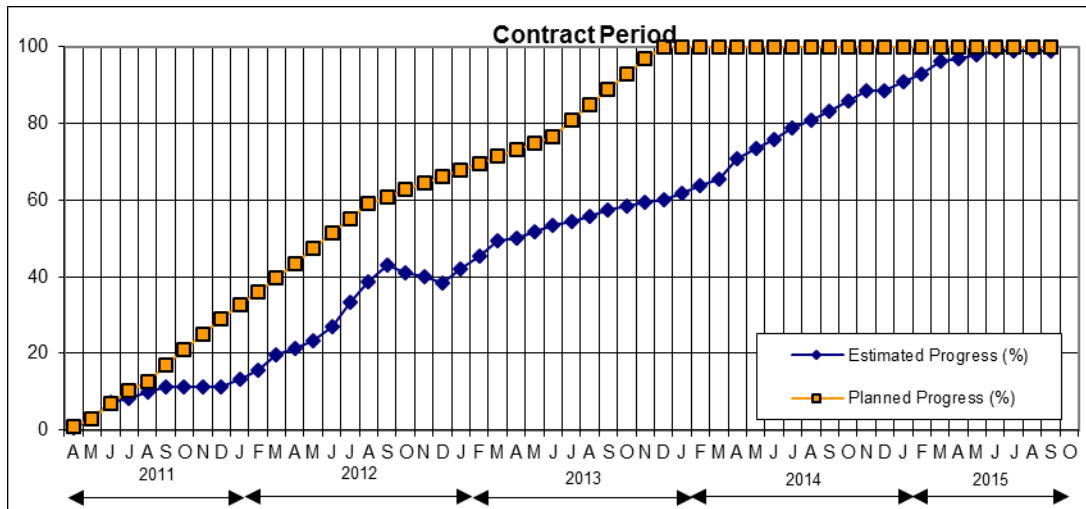


Figure 2. Project’s progress (based on current plan including amendments).