### Project Title:

**Junction Box Lid Redesign**

**RFP NUMBER:** 7121823  
**NJDOT RESEARCH PROJECT MANAGER:** Stefanie Potapa

**TASK ORDER NUMBER:** 10  
**PRINCIPAL INVESTIGATOR:** Hugh Louch

**Project Starting Date:** 8/28/2009  
**Project Ending Date:** 10/27/2009  
**Period Starting Date:** 1/1/2010  
**Period Ending Date:** 3/31/2010

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<tr>
<th>Task</th>
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<th>% of Task to date</th>
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<td>1. Identify Lid Redesign Options</td>
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<td>TOTAL</td>
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### Project Objectives:

The objectives of this project are to identify potential lid modifications for junction boxes or new lid designs that prevent rodents from accessing the junction boxes and causing electrical shorts.

### Project Abstract:

The New Jersey Department of Transportation (DOT) has been experiencing rodents entering into junction boxes and accessing the traffic signal conduit and cables. Once in the conduit, the rodents begin to chew on the traffic signal cables. Over time, the traffic signal cables are damaged or severed causing the traffic signal to become inoperable.

1. Progress this quarter by task:

   Task 1:  
   - Responded to comments on the final report.

2. Proposed activities for next quarter by task

   - No activity anticipated.

| Total Project Budget                          | $6,541.46 |
| Contract Amount:                              | $6,541.46 |
| Total Project Expenditure to date            | $6,541.46 |
| % of Total Project Budget Expended           | 100%      |