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| **Progress Report** |
| **WO 009 Highway Incident Detection Timeline** |
| **Contract** | **Project** | **Billed Month** | **Vendor Name** | **Date** |
| **4400011166** | **TEM WO 009** | **February 2017** | **Temple University** | **03/10/2017** |
| **Federal ID No.** | **Vendor SAP No.** | **Project Amount** | **Billed to Date** | **Percentage Billed** |
| **23-1365971** | **117671** | **$126,000.00** | **$0.00** | **0%** |
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| **Task** | **Deliverable** | **Due** | **Completed** |
| **1.1** | A report summarizing the counties contacted and the datasets acquired. | **02/17/2017** | **02/17/2017** |
| **1.2** | An electronic copy of the raw data acquired from each source. | **02/17/2017** | **02/17/2017** |
| **2.1** | A report summarizing the efforts involved in data integration and pre-processing. | **04/17/2017** |  |
| **2.2** | An electronic copy of the normalized data. | **04/17/2017** |  |
| **3.1** | A report summarizing analysis of the 911 call data and PennDOT highway road closure data, including estimates of PennDOT notification latency for highway incidents across the state of Pennsylvania, a description of the software and methodologies used to arrive at the estimates of latency, statistical significance and confidence measures, and a comparison of the accuracies of the various prediction models: | **06/17/2017** |  |
| **4.1** | A report of the actions performed to curate the data and direct electronic access to the data archive via a URL or project website. | **07/17/2017** |  |
| **4.2** | An electronic archival copy of the data as it exists at the end of the project. | **07/17/2017** |  |
| **5.1** | A Draft Final Report | **08/17/2017** |  |
| **6.1** | A Final Report | **10/17/2017** |  |
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| **Task** | **Accomplishments This Month** | **Activities Planned For Next Month** |
| **1.1** | **1] Continued contacting 911 call centers that have not provided data to provide pertinent data.****2] Continued acquiring data from 911 call centers.****3] Attended an in-person meeting with PennDOT technical advisors to discuss data collection and preliminary analysis results.****4] Provided list to PennDOT technical advisors for assistance in procuring data.****5] Initiated request from PennDOT technical advisors regarding GPS data from Dauphin County.****6] Clarified status of Philadelphia County (PSP) data.****7] Developed and submitted Task 1.1 deliverable report summarizing efforts in data collection.** | **1] Continue to contact 911 call centers and acquire pertinent data as part of on-going efforts to revise data with GPS coordinates and acquire as much data as possible based on feedback from PennDOT technical advisors.****2] Initiate efforts to acquire data from county 911 call centers that outsource calls to PSP.** |
| **1.2** | **1] Continued development of dataset repository and addition of new data, including data from the PennDOT Highway Road Closure system.****2] Reviewed status of data repository after in-person meeting with PennDOT technical advisors.****3] Prepared and provided PennDOT access to data repository as per Task 1.2 deliverable.** | **1] Continue adding data to the repository, particularly data revised with potential GPS information.** |
| **2.1** | **1] Continued data integration and pre-processing of 911 call center data.** | **1] Continue data integration and pre-processing for acquired data based on ongoing efforts to acquire GPS information.** |
| **2.2** | **1] Initiated efforts to normalize 911 call center data with consistent data within the data repository.** | **1] Continue revising data repository to include normalized data, including any acquired GPS information.** |
| **3.1** | **1] Revised initial pilot study by refining incident types investigated to those agreed upon during in-person meeting with PennDOT technical advisors. Matched first 100 PennDOT records with county 911 data.****2] Initiated development of an automated Python code to parse the 911 call center data and perform matching with PennDOT records.** | **1] Check performance of Python code based on comparing automated pairings to manual pairings for a consistent dataset for one county.****2] Refine the Python code based on comparison efforts to manual pairings.** |
| **4.1** |  |  |
| **4.2** |  |  |
| **5.1** |  |  |
| **6.1** |  |  |
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| **Principal Investigator Comments** |
| 1] **The next conference call is scheduled for March 16, 2017 at 10:00 a.m.** |
| **I certify that the above is correct and just.** | ***Signature:* Joseph Thomas Coe, Ph.D.** | **03/10/2017** | **215-204-6100** |
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| **(PRINTED NAME)** | **Date** | **Telephone No.** |