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| **Progress Report** | | | | | | | | | | | |
| **WO 009 Highway Incident Detection Timeline** | | | | | | | | | | | |
| **Contract** | | **Project** | | **Billed Month** | | **Vendor Name** | | | | **Date** | |
| **4400011166** | | **TEM WO 009** | | **March 2017** | | **Temple University** | | | | **04/11/2017** | |
| **Federal ID No.** | | **Vendor SAP No.** | | **Project Amount** | | **Billed to Date** | | | | **Percentage Billed** | |
| **23-1365971** | | **117671** | | **$126,000.00** | | **$0.00** | | | | **0%** | |
|  | | | | | | | | | | | |
| **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] Initiated efforts to contact Pennsylvania State Police Troop K to obtain Philadelphia county 911 data.**  **2] Continued contacting 911 call centers that have yet to provide data.** | | | | **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] Continue efforts to acquire data from county 911 call centers that outsource calls to PSP, including Philadelphia county.** | | | | | | |
| **1.2** |  | | | | **1] Continue adding data to the repository, particularly as any new raw data is acquired from any remaining counties.** | | | | | | |
| **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] Continued efforts to normalize 911 call center data with consistent data within the data repository.**  **2] Initiated efforts to contact Dauphin county 911 contact regarding appropriate approach for acquiring GPS data for 911 call center data.** | | | | **1] Continue revising data repository to include normalized data, including any acquired or generated GPS information.** | | | | | | |
| **3.1** | **1] Manually paired data from multiple counties (Lehigh, Luzerne, Lebanon, Berks, Lackawanna, Schuylkill, Northampton, Susquehanna) to PennDOT RCRS data.**  **2] Continued development of automated Python codes to parse the 911 call center data from multiple counties and perform matching with PennDOT records.**  **3] Checked performance of automated Python code with respect to manual pairings for Susquehanna county and found good agreement.** | | | | **1] Continue refining the Python codes to parse 911 call center data and pair with PennDOT RCRS data based on comparison efforts to manual pairings. Perform comparisons across multiple counties.** | | | | | | |
| **4.1** |  | | | |  | | | | | | |
| **4.2** |  | | | |  | | | | | | |
| **5.1** |  | | | |  | | | | | | |
| **6.1** |  | | | |  | | | | | | |
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| **Principal Investigator Comments** | | | | | | | | | | | |
| 1] **The next conference call is scheduled for April 20, 2017 at 10:00 a.m.** | | | | | | | | | | | |
| **I certify that the above is correct and just.** | | | ***Signature:* Joseph Thomas Coe, Ph.D.** | | | | **04/11/2017** | | **215-204-6100** | | |
|
| **(PRINTED NAME)** | | | | **Date** | | **Telephone No.** | | |