|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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%** | |
|  | | | | | | | | | | | |
| **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** | | |  |
|  | | | | | | | | | | | |
|  | | | | | | | | | | | |
| **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** |  | | | |  | | | | | | |
|  | | | | | | | | | | | |
|  | | | | | | | | | | | |
| **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** | | |
|
| **(PRINTED NAME)** | | | | **Date** | | **Telephone No.** | | |