**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): \_\_\_FHWA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INSTRUCTIONS:**

*Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.*

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| **Transportation Pooled Fund Program Project #**  *TPF-5(477)* | | **Transportation Pooled Fund Program - Report Period:**  □Quarter 1 (January 1 – March 31)  □Quarter 2 (April 1 – June 30) 2021  □ Quarter 3 (July 1 – September 30)  XQuarter 4 (October 1 – December 31) | |
| **Project Title:**  UPDATE PRECIPITATION FREQUENCY ESTIMATES FOR LOUISIANA (NOAA ATLAS 14 VOLUME 14) | | | |
| **Name of Project Manager(s):**  Megan Frye | **Phone Number:**  (720) 963-3523 | | **E-Mail**  megan.frye@dot.gov |
| **Lead Agency Project ID:**  **FHWA** | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  April 15, 2021 |
| **Original Project End Date:**  June 2024 | **Current Project** End Date:  June 2024 | | **Number of Extensions:** |

Project schedule status:

□ On schedule □ On revised schedule □ Ahead of schedule X Behind schedule

Overall Project Statistics:

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| --- | --- | --- |
| **Total Project Budget** | **Total Cost to Date for Project** | **Percentage of Work**  **Completed to Date** |
| 430,000 | $0 | 0 |

***Quarterly*** Project Statistics:

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| --- | --- | --- |
| **Total Project Expenses**  **and Percentage This Quarter** | **Total Amount of Funds**  **Expended This Quarter** | **Total Percentage of**  **Time Used to Date** |
| $0 | $0 | 0 |

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| **Project Description**:  The purpose of this project is to update precipitation frequency estimates for Louisiana that are published in NOAA Atlas 14 Volume 9. Like previous NOAA Atlas 14 volumes, the estimates and associated bounds of 90% confidence intervals will be provided at 30 arc-sec resolution for durations of 5-minute through 60-day at average recurrence intervals (ARIs) of 1-year through 1,000-year. The study results will be published as NOAA Atlas 14 Volume 14, a wholly web based publication available at Precipitation Frequency Data Server (PFDS). The publication will include the artifacts provided in previous NOAA Atlas 14 Volumes, including access through the PFDS, base grids in standard formats together with error estimates, electronic copies of maps, charts of seasonal distributions and probabilistic temporal distributions of heavy precipitation, and detailed documentation. Updated areal reduction factors, which are needed to calculate analogous areal precipitation frequency estimates, will not be developed as a part of this project. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  Began new Interagency Agreement with NOAA to conduct work on NOAA Atlas XIV.  Megan Frye will be the FHWA Liaison instead of Cynthia Nurmi. |
| **Anticipated work next quarter**:  Finalize IAA and begin work with Kick Off Meetings and collection of data. |

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| **Significant Results:**  Began negotiating New IAA with NOAA. |
| **Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that**  **might affect the completion of the project within the time, scope and fiscal constraints set forth in the**  **agreement, along with recommended solutions to those problems).**  **Delay in finalizing the agreement with NOAA. Work will begin once the agreement is final.** |

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| **Potential Implementation:**  N/A |