TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Michigan DOT

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.

Transportation Pooled Fund Program Project # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(490)		**Transportation Pooled Fund Program - Report Period:** ☐ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☑ Quarter 4 (October 1 – December 31)
Project Title: ENTERPRISE-PHASE III (Phase II Continuation)		
Name of Project Manager(s): Elise Feldpausch	**Phone Number:** 517-636-0036	**E-Mail** FeldpauschE1@michigan.gov
Lead Agency Project ID: OR17-101	**Other Project ID (i.e., contract #):** 2018-0172	**Project Start Date:** 3/1/22
Original Project End Date: ?	**Current Project End Date:** ?	**Number of Extensions:** 0

Project schedule status:

☑ On schedule ☐ On revised schedule ☐ Ahead of schedule ☐ Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
$895,000.00	$19,024.91	0%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$19,024.91and 19%	$3,672.46	0%

Project Description:

TPF-5(490) is a continuation of TPF-5(359) led by the Michigan Department of Transportation. This pooled fund federal project originated under the project titled "ENTERPRISE Group" that was established in 1991. Each year, partner members contribute funds in support of ITS projects of mutual interest.

Selected research studies/projects typically involve private sector partners contracted to work with designated member agencies. An administrative contract, currently with CTC & Associates LLC, covers project management, meeting planning, website and other tasks. Over time ENTERPRISE has grown into a multi-national consortium dedicated to the advancement of ITS. The consortium provides a focus for coordinating ITS developments and sharing results within and outside the ENTERPRISE program.

Primary Focus:
To enhance innovation in highway operations and intelligent transportation systems through research and technology transfer, as well as to continue assessing transformational technologies and their impact on the transportation industry.

Objectives: The Board has selected the following 14 research projects for this phase of the pooled fund study.
Primary Projects
1. State of the Art Roadway Sensors – Phase 1
2. New Methods of Traffic Data Collection
3. Potential Approaches for Wrong Way Driving Applications – Phase 2
4. Procurement Specification for Physical Security of ITS
5. Novel Uses of Unmanned Aerial Systems in ITS
6. State of the Art of Roadway Sensors – Phase 2

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

Board teleconference held on October 19, November 16 and December 21, 2022. CTC & Associates developed the agenda, took notes, and finalized, distributed and posted meeting minutes.

CTC updated the website with current information. (http://enterprise.prog.org)

CTC & Associates provided assistance to MDOT on members' pooled fund commitments and transfers.

Research projects - A researcher is not under contract at this time. No research projects were conducted.

Anticipated work next quarter:

The Board will hold teleconferences on January 25, February 15 and March 15, 2023.

When an amendment to extend the CTC & Associates contract is executed:

CTC & Associates will create agendas, take notes, and finalize, distribute and post meeting minutes for monthly Board meetings.

CTC & Associates will update the website with current information. (http://enterprise.prog.org).

Once a new research contract is executed:

CTC & Associates will monitor the research projects schedules and obtain TAC approval for the researcher's invoices.

CTC & Associates will plan for an in-person meeting to be held in Ankeny, IA from March 22-23, 2023.
--CTC & Associates will be responsible for meeting planning logistics including meeting agenda, meals, travel and facilities. CTC will take the meeting notes and prepare the meeting minutes.
--If an in-person meeting is not held, due to the timing of the execution of the research contract, CTC & Associates will plan for a virtual meeting.

Significant Results:

See Progress This Quarter section.

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).

None

Potential Implementation:

To be determined as individual projects progress.