

# RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: 3rd

Wisconsin Department of Transportation  
DT1241 2009

Research, Development and Technology Transfer	
<b>Program:</b> (Choose One) <input type="checkbox"/> Policy Research <input checked="" type="checkbox"/> Pooled Fund TPF # 5(092) Clear Roads <input type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other	
<b>Project Title:</b> Development of Interface Specifications for Mobile Data Platforms on DOT Vehicles	
<b>Administrative Contact/Phone #:</b> Colleen Bos/ (608) 577-4805	<b>WisDOT Project ID(s):</b> 0092-09-09
<b>WisDOT Technical Contact/Phone #:</b> Michael Sproul/ (608) 266-8680	<b>Other Project ID:</b> Clear Roads 08-01
<b>Project Investigator/Phone # (agency &amp; contact):</b> Greg Thompson Thompson Engineering Company 651 260-0116	<b>Approved Starting Date:</b> 12/4/2008
<b>WisDOT Comments:</b>	<b>Original End Date:</b> 3/31/2010
	<b>Current End Date:</b> 3/31/2010
<b>Sponsor:</b> Wisconsin Department of Transportation	<b>Number of Extensions:</b> 0

## Schedule Status:

- ☐ On schedule ☐ Ahead of schedule  
☐ On revised schedule ☐ Behind schedule (Please explain below)

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$49,500.00	\$10,185.00	\$29,215.00	59.1%	59%

## Project Description:

The Clear Roads pooled fund research program ([www.clearroads.org](http://www.clearroads.org)), in coordination with the Wisconsin Department of Transportation, seeks to develop communication and data format specifications to support mobile data platforms used by State DOT's. The mobile data platforms could be equipment such as, snow plows, end-loaders, supervisor trucks, paint trucks, herbicide sprayers, trailers, oil distributors and other similar equipment used in roadway maintenance operations. Agencies that are considering adding GPS/AVL to support the mobile data platform need a set of specifications that will allow them to purchase a variety of different sensors that all use a common communication protocol and data format.

Progress This Quarter: (Includes project committee meetings, work plan status, contract status, significant progress, etc.)

1. Final Survey Results report submitted for review & Final Survey Results analysis completed.
2. Quarterly Report plus three telephone conference calls.

## Anticipated Work Next Quarter:

1. Final Survey Analysis completed.
2. Specifications development & preparation.
3. Discuss with federal level consultants, vendor representatives, and government agencies regarding customer requirements for specification preparation.
4. Mapping requirements to actual procedures based on federal level documents.
5. Quarterly Report plus conference calls as needed

## Circumstances Affecting Progress and/or Budget:

1. Lack of validated requirements matrix; where actual state level users have delineated needs/requirements assessment which necessitate detailed specification response.
2. Significant complexity results in multiple configurations for plug and play solutions, several of these possible results are impractical from a requirement/resource point of view.
3. Judicious response from Clear Roads Project Manager & Champions on project issues contributes to on-schedule.

## Gantt Chart:

See Figure 1 (Schedule) & Figure 2 (Task Flow) on next page.

## Schedule

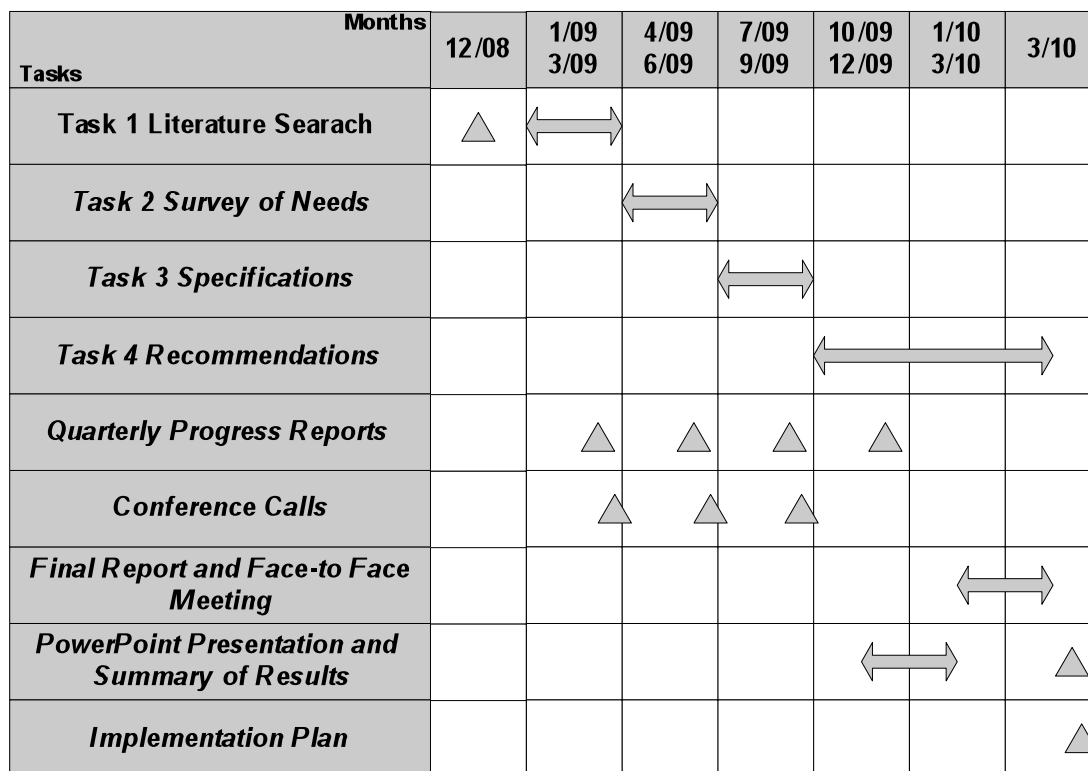


Figure 1: Schedule for Clear Roads Project

## Task Flow Chart

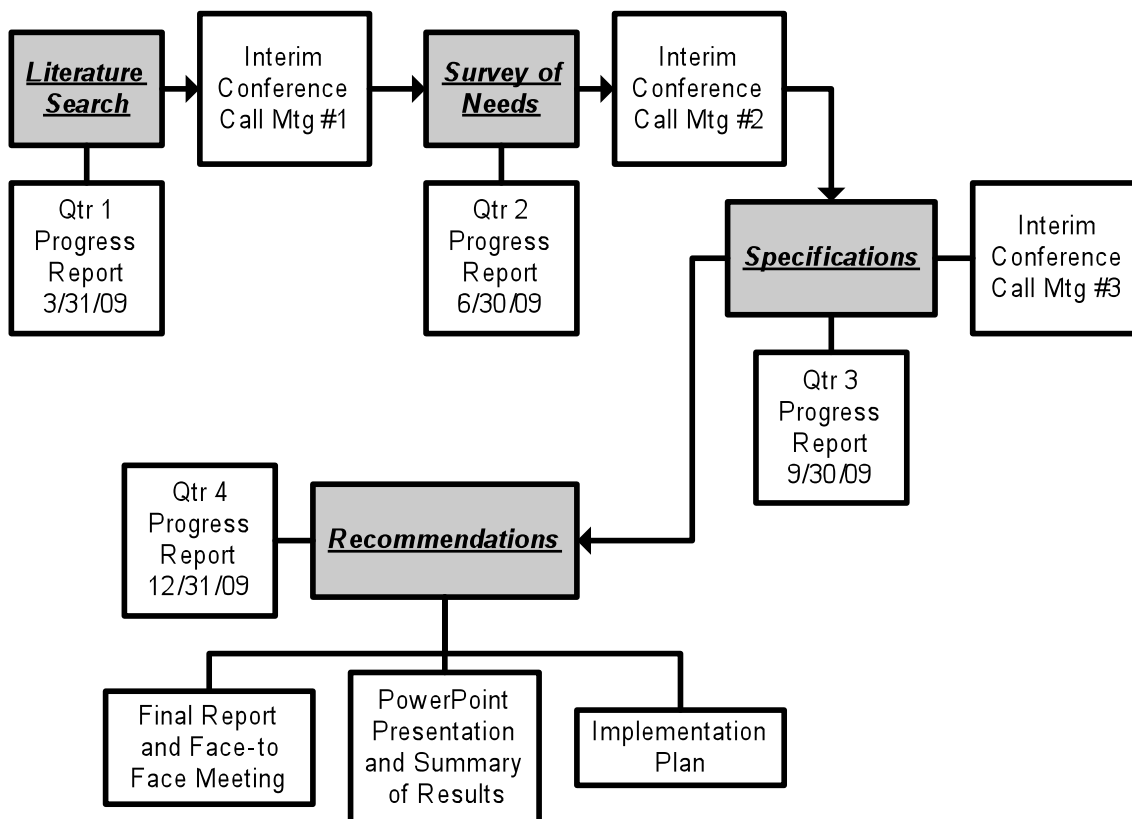


Figure 2: Task Flow for Clear Roads Project