

Professional Agreement Invoice and Progress Report

Idaho Transportation Department



This page must be filled out monthly by the Consultant and forwarded to the Agreement Administrator with the monthly invoice. If necessary, attach additional sheets for continuation.

Key Number	Project Number ITD RP 216	Project Name ITD Real Time Weather Response	Date 2/6/2014
Agreement Administrator Ned Parrish		Progress Report Number KLK561-21	Agreement Number UI-12-01
Consultant			Report/Billing Period (From and To) 1/1/2014-1/31/2014
Certification of Payment Submitted <input type="checkbox"/> Yes <input type="checkbox"/> No	Certification Date	PSA Number	Invoice Number 19
Description of Work Accomplished During the Month Field testing of the local-sensing-based weather-responsive system started December 2013. The system keeps mentioning the weather data. If snow or ice conditions are confirmed, the system will alert D2 Staff (Dale Moore) via an e-mail message for the need to implement a weather responsive signal plan. Similarly, if ice/snow conditions are confirmed to be cleared, the system will send another e-mail to Dale alerting him to go back to the normal signal timing plan. The system will send the alerts from 6:00 AM to 10:00 PM, as the intersection goes into flashing operation from 10:00 PM to 6:00 AM. Vehicle speed data collected during snow/ice conditions showed that the 85th percentile speed, upstream from the intersection approach, is 27.65 mph. This value is 42.17 mph during clear day-light conditions. For large trucks, the 85th percentile speed is 27.15 mph and 41.82 mph, during snow and clear weather conditions, respectively. Data will be collected when the weather-specific timing plans are implemented at the intersection once the system detects and confirm ice/snow conditions.			
Summary of Work Completed to Date (Milestones Completed and Dates) The project team developed the final draft of the project final report. Once the data collection is completed, the reported will be finalized and shared with the project's TAC. See Gantt Chart			
Information Required from ITD to Avoid Delays			
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments			
Consultant's Signature		Printed Name and Title Ahmed Abdel-Rahim, Principal Investigator	

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Key Number	Program (Work Authority)	Progress Report Number 21	Agreement Number UI-12-01
Report Reviewed By			Review Date
The Following was Initiated			

Status Report

A completed status report must accompany all Agreement invoices recommended for payment. The requested percentage measurements of progress to this report are required.

Agreement Time 23 months	Time Passed 21 months	Percent of Agreement Time Elapsed 91.31%	Percent of Work Completed 95%
Original Agreement Amount \$72,541.88	Supplemental(s) \$0.00	Current Agreement Amount \$90,658.88	Payments (Including this Payment) \$77,133.78
Percent of Agreement Dollars Paid 85.09%			
Certification of Payment Submitted <input type="checkbox"/> Yes <input type="checkbox"/> No	Certification Date	Fixed Fee \$	This Invoice \$
		To Date \$	Negotiated \$
If There is a Significant Variance Between the Percentages, Please Explain			
Consultant Invoice Number 19		This Payment Amount \$996.56	

Progress Payment: I certify that the Agreement provisions have been reviewed, the invoice amount checked, progress is substantiated, significant material expenses have support documentation (receipts), and the costs billed are project related and represent the work accomplished. I hereby approve the progress estimate for payment.

Final Payment: I certify that all work under the terms of the Agreement has been satisfactorily completed, any capital assets acquired have been delivered or value received, an affidavit of indebtedness received, and the project reviewed or audited and costs verified for work performed. I hereby approve final payment under the Agreement.

Agreement Administrator's Signature	Date	Second (Independent) Reviewer's Signature
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Task	Task Description	2012								2013												2014		
		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
1	Review and document existing resources	40%	35%	5%						15%					5%									
2	Document RWIS and controllers' NTCIP compliance	30%	30%	30%						10%														
3	Identify intersection(s) for field impelmentation	30%	20%	20%	15%					15%														
4	Define system specification		25%	60%						10%					5%									
5	System Design				75%	20%					5%													
6	Data Interface and Analysis					50%	40%		5%					5%										
7	System Verification and Timing Analysis						40%	20%	25%	10%					5%	20%	20%	15%	25%	15%				
8-A	Design a System based on local sensors														20%	20%	10%	15%	30%					
8-B	Field implementation, monitoring, and evaluation																	20%	40%	35%				
9	Project quarterly reports			X			X		X			X		X		X		X						
10	Presentation to ITD management																							
11	Project final report																	10%	20%	10%	20%			