

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 3/8/2013
Agreement Administrator Ned Parrish		Progress Report Number KLK561-10	Agreement Number UI-12-01
Consultant			Report/Billing Period (From and To) 2/1/2013-2/28/2013
Certification of Payment Submitted <input type="checkbox"/> Yes <input type="checkbox"/> No	Certification Date	PSA Number	Invoice Number 8
Description of Work Accomplished During the Month The project team met on February 14 with ITD cyber security and IT staff to discuss to and finalize possible ways of securing the real-time communication between the weather responsive system and the ITD network from one side and the web-based Clarus data system from the other side. The outcome of the meeting was positive and led to a good definition of secure and reliable communication links that will facilitate the real-time data exchange for the system. While the process to find this option took much longer than what we initially anticipated and planned for, the value of going through this process with ITD IT and cyber security team was very significant and helped us identify and deal with several security related issues that would face any similar real-time control applications for traffic signal systems. An example of such issues is the very minimal security component included in the NTCIP communication protocol. This is really timely with cyber security for control infrastructure very high on the national research agenda. So, this is the good part of the news.			
Summary of Work Completed to Date (Milestones Completed and Dates) See Gant Chart			
Information Required from ITD to Avoid Delays			
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments With ITD in the process of updating the hardware firewall, the implementation of the proposed option might take several months. According to the project schedule, field implementation, monitoring, and evaluation were supposed to take place during the months of February and March.			
Consultant's Signature		Printed Name and Title Ahmed Abdel-Rahim, Principal Investigator	

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Key Number	Program (Work Authority)	Progress Report Number 10	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 16 months	Time Passed 10 months	Percent of Agreement Time Elapsed 62.50%	Percent of Work Completed 52%
Original Agreement Amount \$72,541.88	Supplemental(s) \$0.00	Current Agreement Amount \$72,541.88	Payments (Including this Payment) \$31,883.05
Percent of Agreement Dollars Paid 43.96%			
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 8	This Payment Amount \$795.24		

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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