

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 3/6/2014 |
| Agreement Administrator Ned Parrish | | Progress Report Number KLK561-22 | Agreement Number UI-12-01 |
| Consultant | | | Report/Billing Period (From and To) 2/1/2014-2/28/2014 |
| Certification of Payment Submitted <input type="checkbox"/> Yes <input type="checkbox"/> No | Certification Date | PSA Number | Invoice Number No invoice |
| Description of Work Accomplished During the Month Field testing of the local-sensing-based weather-responsive system started on December 2013. During the month of February, snow and ice was detected in the intersection, and the snow/ice timing plans were activated. Field data were collected and analyzed. 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. A no-cost extension request to extend the project until May 31, 2014 was submitted to ITD for approval. The time extension will allow for a full review of the project final report. | | | |
| Summary of Work Completed to Date (Milestones Completed and Dates) 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 22 | 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 22 months | Percent of Agreement Time Elapsed 95.66% | Percent of Work Completed 96% |
| 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 No invoice | | This Payment Amount \$0.00 | |

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 |
|-------------------------------------|------|---|

ITD RP 216 KLK561 UI-12-01

| 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 | | | | | | | |
| 10 | Presentation to ITD management | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Project final report | | | | | | | | | | | | | | | | | | 10% | 20% | 10% | 20% | 25% | |