

# 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<br>ITD RP 237 | Project Name<br>ITD Asphalt Pavments Phase 1                   | Date<br>12/7/2015                                       |
| Agreement Administrator<br>Ned Parrish   |                              | Progress Report Number<br>KLK568-20                            | Agreement Number<br>UI-14-02                            |
| Consultant   |                              |  | Report/Billing Period (From and To)<br>11/1/15-11/30/15 |
| Certification of Payment Submitted<br><input type="checkbox"/> Yes <input type="checkbox"/> No   | Certification Date           | PSA Number   | Invoice Number<br>16                                    |
| Description of Work Accomplished During the Month<br>WSU submitted a progress report along with their invoice. (copy attached)<br>Final report has been completed and is under review by the tech editor.  |                              |  |   |
| Summary of Work Completed to Date (Milestones Completed and Dates)<br>Please refer to Gantt Chart. All tasks are complete. Still we are working on the modeling task. Work is now focused on completing final report.<br><br>Project time was extended 3 more months to complete the final report peer review.<br><br>Estimated work completed is estimated to be 83%. |                              |  |   |
| 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<br>Fouad Bayomy, Principal Investigator |   |

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**This page must be filled out by the Agreement Administrator.**

|                             |                          |                              |                              |
|-----------------------------|--------------------------|------------------------------|------------------------------|
| Key Number                  | Program (Work Authority) | Progress Report Number<br>20 | Agreement Number<br>UI-14-02 |
| 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<br>24 months  | Time Passed<br>20 months  | Percent of Agreement Time Elapsed<br>83.34% | Percent of Work Completed<br>83%                 |
| Original Agreement Amount<br>\$119,932.00  | Supplemental(s)<br>\$0.00 | Current Agreement Amount<br>\$119,932.00    | Payments (Including this Payment)<br>\$97,568.11 |
| Percent of Agreement Dollars Paid<br>81.36%  |                           |   |  |
| Certification of Payment Submitted<br><input type="checkbox"/> Yes <input type="checkbox"/> No | Certification Date        | <b>Fixed Fee</b><br>\$                      | This Invoice<br>\$                               |
|  |                           | To Date<br>\$                               | Negotiated<br>\$                                 |
| If There is a Significant Variance Between the Percentages, Please Explain                     |                           |   |  |
| Consultant Invoice Number<br>16  |                           | This Payment Amount<br>\$37,614.42          |  |

**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 |
|-------------------------------------|------|---|

KLK568\_PR#20\_Nov 2015

| RP 237 - KLK568: Evaluation of Fiber-Reinforced Asphalt Pavements – Phase 1: Laboratory Study |   | Month Elapsed |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     |      |     |         | Extension |     |       | % Work Completed per Task  |      |  |      |
|---|---|---------------|-----|------|-----|-----|------|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|------|-----|---------|-----------|-----|-------|--|------|--|------|
|   |   | 1             | 2   | 3    | 4   | 5   | 6    | 7   | 8   | 9   | 10  | 11        | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19   | 20  | 21      | 22        | 23  | Final |  |      |  |      |
| Task No.  | Task Description  | Year 2014     |     |      |     |     |      |     |     |     |     | Year 2015 |     |     |     |     |     |     |     |      |     | Yr 2016 |           |     |       |  |      |  |      |
|   |   | Apr           | May | June | Jul | Aug | Sept | Oct | Nov | Dec | Jan | Feb       | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct  | Nov | Dec     | Jan       | Feb |       | Mar  |      |  |      |
| Task 1  | <i>Literature Review on Fibers in HMA</i>                                 | 0%            | 15% | 20%  | 20% | 15% | 15%  |     |     |     |     |           |     |     | 5%  |     |     |     |     |      |     |         | 5%        |     |       |  |      |  | 95%  |
| Task 2  | <i>In-Depth Study of the proposed types of Fibers in this Project:</i>    |               |     | 5%   | 20% | 20% | 20%  | 5%  |     |     |     |           |     |     | 6%  | 5%  | 5%  | 5%  |     |      |     |         | 9%        |     |       | Orange color indicates modified time schedule for the time extension | 100% |  |      |
| Task 3  | <i>Mix Design, Construction of Test Sections and Material Procurement</i> |               |     | 0%   | 5%  | 80% | 5%   |     |     |     |     |           |     |     | 5%  |     |     |     |     |      |     |         | 5%        |     |       |  | 100% |  |      |
| Task 4  | <i>Lab Testing and Data Analysis</i>                                      |               |     |      |     |     | 5%   | 5%  | 5%  | 0%  | 10% | 10%       | 30% | 5%  | 8%  | 10% | 5%  | 5%  |     |      |     |         | 2%        |     |       |  | 100% |  |      |
| Task 5  | <i>Performance Prediction using AASHTOWare ME Design Software</i>         |               |     |      |     |     |      |     |     |     | 0%  | 0%        | 0%  | 5%  | 5%  | 30% | 20% | 20% | 10% |      |     | 10%     |           |     |       |  | 100% |  |      |
| Task 6  | <i>Evaluation of Fiber Dispersion in the Mix Using X-Ray Tomography</i>   |               |     |      |     |     |      |     |     |     | 2%  | 0%        | 0%  | 0%  | 0%  | 20% | 5%  | 10% | 8%  | 50%  | 5%  |         |           |     |       | 100%   |      |  |      |
| Task 7  | <i>Modeling Fiber-Reinforced HMA</i>                                      |               |     |      |     |     |      |     |     |     |     |           |     | 5%  |     | 5%  | 5%  | 5%  | 5%  | 10%  | 10% |         |           |     |       |  |      |  | 45%  |
| Task 8  | <b>Final Report</b>   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     |      |     |         |           |     |       |  |      |  |      |
| 8a  | Submit Outline for ITD to Review  |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     | 50% | 50%  |     |         |           |     |       |  |      |  | 100% |
| 8b  | Meet ITD to discuss outline   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     | 100% |     |         |           |     |       |  |      |  | 100% |
| 8c  | Send draft to peer reviewer   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     | 25% |      | 10% |         |           |     |       |  |      |  | 35%  |
| 8d  | Send draft to report editor   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     |      | 75% |         |           |     |       |  |      |  | 75%  |
| 8e  | Submit draft of required output   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     |      | 50% |         |           |     |       |  |      |  | 50%  |
| 8f  | ITD / FHWA Review   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     |      |     |         |           |     |       |  |      |  | 0%   |
| 8g  | Final Report due to ITD   |               |     |      |     |     |      |     |     |     |     |           |     |     |     |     |     |     |     |      |     |         |           |     |       |  |      |  | 0%   |