

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 | | Project Name | | Date | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------|---------------------------|------------------------|----------------------------|--|--|--|--|--|--|
| | ITD RP 235 | | ITD AASHTOWare Pav | rement ME Design | 9/12/17 | | | | | | |
| Agreement Adr | | Progress | s Report Number | Agreement Number | 0/12/11 | | | | | | |
| Mike Santi | | KLK57 | | UI-15-04 | | | | | | | |
| Consultant's Na | ame | | 2.20 | | Iling Period (From and To) | | | | | | |
| Conouncintoria | | | | 8/1/17-8/31/17 | · · · · · · | | | | | | |
| Promot Payme | nt To Subconsultant(s) Verified | Δ | uthorization Number | Invoice Number | | | | | | | |
| Yes IN | | | | Invoice 24 | | | | | | | |
| Describe Work Accomplished During the Month (List Major Activities that were in progress during this period and estimate the remaining time for each. Work during this month included: - Completed the analysis of cracking data using video log files for projects from D3. - Continue working on the calibration of the longitudinal and Fatigue cracking models. - Made several trials to calibrate the thermal cracking and IRI models - Conducted a face-to-face progress report meeting Meet with ITD project TAC in Boise. Summarize Work Completed to Date (Milestones Completed and Dates) (List Major Activities that were completed, including completion dates.) Please refer to the attached Gantt Chart. Tasks 1 through 4 are now complete. Task 5 that is focused on analysis of fatigue cracking and IRI models. Work progress so far is estimated by about 80.45% complete. | | | | | | | | | | | |
| | n Required from ITD to Avoid Delays | Supplemental A | greement or Time Adjustme | nts | | | | | | | |
| | | | | | | | | | | | |
| Printed Name | | Title | | Consultant's Signature | | | | | | | |
| Fouad Bayo | my | Principal Inve | estigator | | | | | | | | |

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Idaho Transportation Department

Status Report This page must be completed by the Agreement Administrator

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

| Key Number | Program | n Number | | | | Pr | rogress Report Nu | Imber | Agreem | greement Number | | | | | | | |
|-----------------------------------|---------|----------|-------------|-------------|--------------|-------------|-------------------|------------|---------|-----------------------------------------|------------|--|--|--|--|--|--|
| | | | | 28 | 8 | | UI-15- | II-15-04 | | | | | | | | | |
| Agreement Time | | | Time Passed | | Perce | ent | of Agreement Tim | e Elapse | ed Pe | d Percent of Work Completed | | | | | | | |
| 36 months | | | 28 | | | | 77.78% | | 80.45% | | | | | | | | |
| Original Agreement Amount Supplem | | | ental(s) | Current Agr | eement Amour | nt | Payments (Includi | ing this P | ayment) | ayment) Percent of Agreement Dollars Pa | | | | | | | |
| \$338,036.53 \$0.00 | | | | \$338,036 | .53 | | \$236,299.34 | | | 69.90% | | | | | | | |
| | | | | | This | Inv | voice | To Dat | е | | Negotiated | | | | | | |
| | | | | | \$ | | | \$ | | | \$ | | | | | | |
| If There is a Signifi | | | | | | | | | | | | | | | | | |
| Consultant Invoice Number This | | | | | | | is Payment Amount | | | | | | | | | | |
| Invoice 24 | | | | | \$22,03 | \$22,036.28 | | | | | | | | | | | |
| Report Reviewed By | | | | | | Review Date | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Consultant Performance To Be Completed Monthly by the Agreement Administrator

| Work planned for this period was completed | Quality of work was completed satisfactory | Discussed performance with Consultant |
|------------------------------------------------|--------------------------------------------|---------------------------------------|
| 🗌 Yes 🗌 No | 🗌 Yes 🗌 No | 🗌 Yes 🗌 No |
| Explain | • | • |
| | | |
| | | |
| | | |
| | | |
| Performance: Describe the Consultants performa | nce during this period | |
| | | |
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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 |
|-------------------------------------|------|-------------------------------------------|
| | | |
| | | |

KLK572_PR#28_Aug 2017

RP 235 (KLK 572)

Calibration of the AASHTOWare Pavement ME Design Performance Models for Flexible Pavements in Idaho - Time Schedule (Revised May 2016)

| | | Year | | | | 20 | 15 | | | | 2016 | | | | | | | | | | | | | | 2017 | | | | | | | | | | | | | |
|---------|----------------------------------------------------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|--------|------|-----|--------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Task No | Task Description | Month | Мау | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | Мау | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
| | | Elapsed Month | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| | Review of the ME software di models for Flexible Pavement | | 5% | 5% | 5% | 10% | | | | 15% | 15% | 20% | | | | | | | 10% | | | | 5% | | | | | 3% | 5% | 2% | | | | | | | | |
| Tack 2 | Evaluate the design inputs rea ME Software | quired for the | | | | 10% | | | 10% | 5% | 20% | 20% | | | 10% | 5% | | | 10% | | | | | | | | 5% | 5% | 5% | 5% | | | | | | | | |
| | Identify and select the pavem the calibration | nent sections for | | 5% | 5% | 5% | 10% | 10% | | | 10% | 5% | 3% | 5% | 5% | 17% | 5% | | This 1 | 10% | 5% | | | 5% | 5% | | 5% | | | | | | | | | | | |
| Task 4 | Conduct Creep Compliance a | nd IDT Testing | | 5% | | 5% | 5% | 5% | 5% | | 5% | | 2% | 2% | | 15% | 20% | 25% | | | 2% | 5% | | 2% | 2% | 2% | 2% | 7% | 5% | | | | | | | | | |
| Tool F | Develop a performance datab calibration for the selected se | | | | | | | | | | | | | | | 7% | 10% | 25% | | | 10% | 15% | 8% | 5% | 5% | 5% | 2% | 8% | 5% | | | | | | | | | |
| Task 6 | Run the software with the ass database | sembled | | | | | | | | | | | | | | | | | 25% | 5% | 5% | 5% | 10% | 15% | 5% | 5% | 5% | 5% | | 5% | | | | | | | | |
| Tack 7 | Development and Validation calibration factors | of Idaho | | | | | | | | | | | | | | | | | 10% | | | | 5% | 5% | 5% | 5% | 15% | 5% | 5% | 5% | | | | | | | | |
| Task 8 | Summary of findings and reco | ommendations | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5% | | | | | | | | |
| Task 9 | Prepare and conduct training | workshop | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| Task 10 | | | | | | | | | | | | | | | Fir | nal Re | port | | | | | | | | | | | | | | | | | | | | | |
| а | Submit Outline for ITD to Rev | iew | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ь | Meet ITD to discuss outline | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare report and send draft reviewer | t to peer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Send draft to report editor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| е | Submit draft of required outp | out | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f | ITD / FHWA Review | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g | Final Report due to ITD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| | Indiantaa Submittal # ta ITD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |

Indicates Submittal # to ITD