## **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.

ITD RP 235       ITD AASHTOWare Pavement ME Design       4/11/2016         Agreement Administrator       Progress Report Number       Agreement Number         Ned Parrish       UI-15-04         Consultant       RKK572-11       UI-15-04         Certification of Payment Submitted       Certification Date       PSA Number       Invoice Number         Pse No       No       Invoice 7       Description of Work Accomplished During the Month         During March 2016, the following work was performed:       Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue         Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU.         Summary of Work Completed to Date (Milestones Completed and Dates)         Please refer to the attached Gantt Chart.         Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples         Work completed is estimated by about 25%       Information Required from ITD to Avoid Delays         List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments	Key Number	Project Number			Project Name Date									
Ned Parrish       KLK572-11       UI-15-04         Consultant       Report/Billing Period (From and To) 3/1/2016-3/31/16       3/1/2016-3/31/16         Certification of Payment Submitted       Certification Date       PSA Number       Invoice Number         Invoice Number       Invoice Number       Invoice Number       Invoice Number         Description of Work Accomplished During the Month       During March 2016, the following work was performed:       Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue         Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU.         Summary of Work Completed to Date (Milestones Completed and Dates)         Please refer to the attached Gantt Chart.         Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples         Work completed is estimated by about 25%         Information Required from ITD to Avoid Delays		ITD RP 235			ITD AASHTOWare Pave	ment ME Design	4/11/2016							
Consultant       Report/Billing Period (From and To) 3/1/2016-3/31/16         Certification of Payment Submitted       Certification Date       PSA Number       Invoice Number Invoice 7         Description of Work Accomplished During the Month       During March 2016, the following work was performed:       Invoice 7         Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue         Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU.         Summary of Work Completed to Date (Milestones Completed and Dates)         Please refer to the attached Gantt Chart.         Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples         Work completed is estimated by about 25%         Information Required from ITD to Avoid Delays	Agreement Admini	strator		Progress Re	port Number	Agreement Number								
3/1/2016-3/31/16         Certification of Payment Submitted       Certification Date       PSA Number       Invoice Number         Description of Work Accomplished During the Month       Invoice 7         Description of Work Accomplished During the Month       Invoice 7         During March 2016, the following work was performed:       Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue         Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU.         Summary of Work Completed to Date (Milestones Completed and Dates)         Please refer to the attached Gantt Chart.         Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified.         A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples         Work completed is estimated by about 25%         Information Required from ITD to Avoid Delays	Ned Parrish			KLK572-1	1	UI-15-04								
Certification of Payment Submitted       Certification Date       PSA Number       Invoice Number         Invoice Number       Invoice 7         Description of Work Accomplished During the Month       During March 2016, the following work was performed:         Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue         Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU.         Summary of Work Completed to Date (Milestones Completed and Dates)         Please refer to the attached Gantt Chart.         Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples         Work completed is estimated by about 25%         Information Required from ITD to Avoid Delays	Consultant			1		Report/Billing Period (	From and To)							
Yes       No       Invoice 7         Description of Work Accomplished During the Month       During March 2016, the following work was performed:         Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue         Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU.         Summary of Work Completed to Date (Milestones Completed and Dates)         Please refer to the attached Gantt Chart.         Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples         Work completed is estimated by about 25%         Information Required from ITD to Avoid Delays						3/1/2016-3/31/16	3/1/2016-3/31/16							
Description of Work Accomplished During the Month During March 2016, the following work was performed: Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU. Summary of Work Completed to Date (Milestones Completed and Dates) Please refer to the attached Gantt Chart. Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	Certification of Pay	ment Submitted	Certification Date	PSA	Number	Invoice Number								
During March 2016, the following work was performed: Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU. Summary of Work Completed to Date (Milestones Completed and Dates) Please refer to the attached Gantt Chart. Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	🗌 Yes 🛛	No				Invoice 7								
Work on Task#3 – Several visits were done to District 2 to review files in TAMS. Some sections are identified in D2 to use as initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU. Summary of Work Completed to Date (Milestones Completed and Dates) Please refer to the attached Gantt Chart. Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	Description of Wor	k Accomplished D	uring the Month			I								
initial sections to run the software. We ran into issues related to the accessibility of the software via ITD VPN connection. We are still working to resolve this issue Work on Task #4 – No work was performed during this period. Samples collected from field projects are now being gathered at WSU. Summary of Work Completed to Date (Milestones Completed and Dates) Please refer to the attached Gantt Chart. Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	During March 2	016, the follow	ing work was perform	ed:										
Summary of Work Completed to Date (Milestones Completed and Dates) Please refer to the attached Gantt Chart. Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	initial sections t still working to r	o run the softw resolve this iss	vare. We ran into issue ue	es related to	o the accessibility of the so	oftware via ITD VPN c	connection. We are							
Please refer to the attached Gantt Chart. Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays					•									
Due to recent development at WSU related to the project PI, work at WSU is being held until plan for future work is identified. A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	-			nd Dates)										
A request to terminate the subcontract with WSU is placed. We are in the process to re-plan the testing program for field samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	Please refer to	the attached G	antt Chart.											
samples Work completed is estimated by about 25% Information Required from ITD to Avoid Delays	Due to recent d	levelopment at	WSU related to the pr	roject PI, w	ork at WSU is being held	until plan for future wo	ork is identified.							
Work completed is estimated by about 25% Information Required from ITD to Avoid Delays		minate the sub	contract with WSU is	placed. We	e are in the process to re-	plan the testing progra	am for field							
Information Required from ITD to Avoid Delays	samples													
	Work complete	d is estimated	by about 25%											
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments	Information Requir	ed from ITD to Ave	oid Delays											
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
List Changes in Scope or Complexity Requiring a Supplemental Agreement or Time Adjustments														
	List Changes in Sc	ope or Complexity	Requiring a Supplemental	Agreement o	r Time Adjustments									
Consultant's Signature Printed Name and Title	Consultant's Signa	ture			Printed Name and Title									
Fouad Bayomy, Principal Investigator					Fouad Bayomy, Princip	al Investigator								

## **Professional Agreement Invoice and Progress Report**

Idaho Transportation Department

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

Key Number	Program (Work Authority)	Progress Report Number	Number		
		11	UI-15-04		
Report Reviewed B	у			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		Time Passed		F	Percent	of Agreement Time	Percent of W	of Work Completed					
32 months	11 months				34.38%		25%						
Original Agreement Amount	ental(s)	ent Agreement Ar	mount	Payments (Includin	g this Payment	) Percent c	of Agreement Dollars Paid						
\$369,983.38	\$0.00		\$36	9,983.38		\$35,326.62			09.55%				
Certification of Payment Sub	ertification Date			nvoice	To Date	1	Negotiated						
🗌 Yes 🛛 🗌 No				Fixed Fee	\$		\$		\$				
If There is a Significant Varia	nce Betwe	een the Percentages	, Plea	se Explain	•								
Certification of Payment Submitted Certification Date This Invoice To Date Negotiated													
Consultant Invoice Number				This	Payme								
Invoice 7			\$1,0	682.64	1								

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#10\_Mar 2016

### Calibration of the AASHTOWare Pavement ME Design Performance Models for Flexible Pavements in Idaho - Time Schedule

		Year				2	015									201	6												20	17					
Task No	Task Description	Month	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		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	23	24	25	26	27	28	29	30	31	32
Tack 1	Review of the ME software d prediction models for Flexible		5%	5%	5%	10%				15%	15%	20%																							
	Evaluate the design inputs re ME Software	equired for the				10%			10%	5%	20%	20%		2																					
Tack 2	Identify and select the paven the calibration	nent sections for		5%	5%	5%	10%	10%			10%	5%	3%	3																					
Tack 4	Conduct Creep Compliance a at WSU	nd IDT Testing		5%		5%	5%	5%	5%		5%		2%									4													
Tack 5	Develop a performance datal calibration for the selected se																					5													
Task 6	Run the software with the as database	sembled																											6						
Task 7	Develop Idaho calibration fac	ctors																											7						
Task 8	Summary of findings and reco	ommendations																											8						
	Prepare and conduct training	g workshop																															9		
	Final Report							1										1				-		1			Т						r		
-	Submit Outline for ITD to Rev	view																																	
	Meet ITD to discuss outline																				1													<u> </u>	L
	Prepare report and send draf	ft to peer																			1													_	
	Send draft to report editor																																	L	
-	Submit draft of required outp	put																																4	
f	ITD / FHWA Review																					-													
g	Final Report due to ITD																																		10