

## **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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#### 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	

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