ITD 0771 (Rev. 10-06) itd.idaho.gov

## **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 AASHTOW	are Pavement ME Design	4/17/2017
Agreement Admin	istrator		Progress	Report Number	Agreement Number	
Ned Parrish			KLK572	2-23	UI-15-04	
Consultant					Report/Billing Period	(From and To)
					3/1/17-3/31/17	
Certification of Pay	ment Submitted	Certification Date	PS	SA Number	Invoice Number	-
☐ Yes ☐	No No				Invoice 19	
Description of Wor	k Accomplished D	uring the Month	l .		<u> </u>	
Work progress	during this mo	onth (March 2017) inclu	ıded:			
	ct sensitivity ar	nalysis of rutting mode	ls calibra	ation factors β1r, β2	$2r$ , $\beta 3r$ for the HMA, unbound	and subgrade
layers.						
		-		•	calibration factors βf1 & βf2.	
	•	• • •	for Creep	Compliance and I	DT for the mixes that were no	t tested at WSU.
•	ed the literature					
- Worke	d with ITD asse	et management to obta	ain video	files for performan	ce data.	
Summary of Work	Completed to Date	e (Milestones Completed an	nd Dates)			
					n calibration using data from s	
		ed procuring new proj	ects fron	n ITD districts, and	are focusing on analyzing the	data from the
projects in-han		atad by about CEO/ ac				
work progress	so far is estim	ated by about 65% co	mpiete.			
Information Requir	red from ITD to Avo	oid Delays				
•		,				
List Changes in So	cono or Complovitu	Requiring a Supplemental	Agroomon	t or Timo Adjustments		
List Changes in St	cope of Complexity	Requiring a Supplemental	Agreemen	t of Time Adjustinents		
Occasides de O'	t			I Description	4 T'0 -	
Consultant's Signa	ature			Printed Name and		
				Fouad Bayom	ny, Principal Investigator	

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

Idaho Transportation Department

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

Key Number	Program (Wor	Agreement Num	ant Number										
Key Number	Program (vvoi		Report Number	_									
			23					JI-15-04					
Report Reviewed By								Ke	eview Date				
=													
The Following was Initia	ited												
Otatus Banaut													
Status Report			11 A					· The	1				
A completed status measurements of pi					reco	mmen	ided for pa	yment. The	requeste	ed percentage			
Agreement Time	Ugress to t	·	Течинса			of Agr		Flancad Do	==ant of \\/a	Completed			
-		Time Passed		-	'ercem	_	eement Time	Elapsed   Fe	rcent of vvc	ork Completed 65%			
36 months	t Cumple	23 months	Comm	A amont Ar		63.89		(late Day on and)					
Original Agreement Amount   Supplemental(s)				ent Agreement An	nount			g this Payment)	-				
\$338,036.53	\$0.00			8,036.53	T	-	3,830.35	<del></del>	46.99%				
Certification of Payment	Submitted	Certification Date	<del>;</del>	Fixed Fee	This Invoice			To Date		Negotiated			
☐ Yes ☐ No					\$			\$		\$			
If There is a Significant	Variance Betv	veen the Percenta	ages, Plea	se Explain									
Consultant Invoice Num Invoice 19		-	ent Amo	ount									
IIIVOICE 13	\$12	2,400.	30										
								1.41.1					
Progress Pa										unt checked, I the costs billed are			
project related													
projectionates	and ropio	00111 1110 11011		phonour ino.	0.0 ,	.рр.о	ro ano pro	9.000 00	ато тог р	aymon.			
										oleted, any capital			
										he project reviewed			
or audited and	l costs veri	fied for work	perform	ed. I hereby	appro	ve fin	nal payme	nt under the	Agreem	nent.			
Agreement Administrato	1 0: .												
	or's Signature			Date			Second (Ind	lependent) Revi	iewer's Sia	nature			

### KLK572\_PR#23\_March 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	##	## 2016						2017												2018				
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	Ар
		Elapsed Month	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Task 1	Review of the ME software di models for Flexible Pavement	•	5%				10%				5%															
Task 2	Evaluate the design inputs red ME Software	quired for the		5%			10%																			
Task 3	Identify and select the pavem the calibration	ent sections for		17%	5%		This 1	10%	5%			5%	5%													
Task 4	Conduct Creep Compliance and IDT Testing			15%	20%	25%			2%	5%		2%	2%			4										
Task 5	Develop a performance datab calibration for the selected se			7%	10%	25%			10%	15%	8%	5%	5%			5										
Task 6	Run the software with the ass database	sembled					25%	5%	5%	5%	10%	15%	5%						6							
Task 7	Development and Validation of Idaho calibration factors						10%				5%	5%	5%						7							
Task 8	Summary of findings and recommendations																		8							
Task 9	Prepare and conduct training workshop																			9						
Task 10									Fir	al Re	port															
а	Submit Outline for ITD to Rev	iew																								
D	Meet ITD to discuss outline																									
С	Prepare report and send draf reviewer	t to peer																								
d	Send draft to report editor																									
e	Submit draft of required outp	out																								
f	ITD / FHWA Review																									
g	Final Report due to ITD																									10