Professional Agreement Invoice and Progress Report

Idaho Transportation Department

ITD 0771 (Rev. 01-17)

itd.idaho.gov

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 RP268		ITD Pavement ME Design	10/22/2018

Agreement Administrator	Progress Report Number	Agreement Number
Mike Santi	KLK585-13	UI-17-04

Consultant's Name	Report/Billing Period (From and To)
	9/1/18-9/30/18

Prompt Payment To Subconsultant(s) Verified	Authorization Number	Invoice Number
☐ Yes ☐ No		13

Describe Work Accomplished During the Month (List Major Activities that were in progress during this period and estimate the remaining time for each.)

Work progress during this month (Sept. 2018) included:
- Update ME Software from V2.5.0 to V2.5.2.
- Search File 360 in D2 to get mix design and phase reports
- Analyze data for LTPP sections
- Analyze data for 10 projects from D3.
- Create the software run files for 11 projects from D2 and D4.
- Seek transverse cracking data from Asset Management Engineer (Jim Poorbaugh) for 3 years of data.
- Working with Roadway Data Manager to obtain WIM data for recent years.
- Working on Deliverable #3
- Working on Final Report Draft

Summarize Work Completed to Date (Milestones Completed and Dates) (List Major Activities that were completed, including completion dates.)

Please refer to Gantt Chart. Tasks #1 and #2 are completed.

Deliverables #1 and #2 are submitted.

Work is focused now on gathering TAMS data as well as video logs to develop the performance database for all sites.

Work Progress is estimated by about 41%

See GANTT chart attached

List Information Required from ITD to Avoid Delays

List Changes in Scope or Complexity that Requires a Supplemental Agreement or Time Adjustments

Printed Name	Title	Consultant's Signature
Fouad Bayomy	Principal Investigator	

Distribution: DRI (Original) - Project File   Copy - Prime Consultant

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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 Number		Progress Report Number	Agreement Number
	ITD RP268		13	UI-17-04

Agreement Time	Time Passed	Percent of Agreement Time Elapsed	Percent of Work Completed
23 months	13	52.17%	41%

Original Agreement Amount	Supplemental(s)	Current Agreement Amount	Payments (Including this Payment)	Percent of Agreement Dollars Paid
$169,996.79	$0.00	$169,996.79	$56,016.44	32.96%

Prompt Payment To Subconsultant(s) Verified	**Fixed Fee**	This Invoice	To Date	Negotiated
☐ Yes ☐ No		$	$	$

If There is a Significant Variance Between the Percentages, Please Explain

Consultant Invoice Number	This Payment Amount
13	$7,612.60

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 performance 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

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RP 268 (KLK 585)

Calibration of the AASHTOWare Pavement ME Design Software for PCC Pavements in Idaho

Task No	Task Description	Year				**2018**												**2019**						
		Month Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
		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
Task 1	Review of the ME software distress prediction models for Rigid Pavements	20%	20%	15%	30%	10%																		
Task 2	Evaluate the inputs required for the design of new rigid pavement systems			15%	50%	15%	5%	5%		5%														
Task 3	Identify and select the pavement sections for the calibration					15%	50%	10%	5%	5%	5%	5%	10%											
Task 4	Develop a performance database for the ME calibration for the selected sections							5%		5%	15%	10%	10%	5%										
Task 5	Run the software with the assembled database										5%	5%	10%	20%										
Task 6	Develop Idaho calibration factors																							
Task 7	Develop Implementation Guidelines and Training Workshop																							
Task 8	Final Report Preparartion and Submittal																							
a	Submit report outline to ITD for review																							
b	Meet with ITD Project Manager and Research Program Manager to discuss outline																							
c	Send draft to peer reviewer and make necessary changes																							
d	Send draft to report editor and make necessary changes																							
e	Submit draft of required output to ITD/FHWA for review																							
f	ITD/FHWA review of draft completed (due 30 days after submission of draft)																							
g	Final output due to ITD (due 30 days after submission of review draft)																							
	Deliverables					#1 Submitted			#2 Submitted				#3						#4			#5		#6