



Professional Agreement Invoice and Progress Report

ITD 0771 (Rev. 01-17)

Idaho Transportation Department

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 ITD 266	Project Name ITD Skid Resistance Pavement	Date 12/6/2017
Agreement Administrator James Poorbaugh	Progress Report Number KLK583-6	Agreement Number UI-17-03	
Consultant's Name		Report/Billing Period (From and To) 11/1/17-11/30/17	
Prompt Payment To Subconsultant(s) Verified <input type="checkbox"/> Yes <input type="checkbox"/> No	Authorization Number	Invoice Number Invoice #6	
Describe Work Accomplished During the Month (List Major Activities that were in progress during this period and estimate the remaining time for each.) - The research team is currently analyzing the friction data collected in the field under Task 5. The main objective of this task is to investigate and establish correlations between skid numbers at different speeds. Also, we calculate IFI using the microtexture and macrotexture data to predict skid number in the field. - The team, with help from ITD, will continue friction testing at different speeds in spring 2018. - The team started working on the Excel-based application that utilizes ITD friction data to produce interpolated numbers at 40 mph. This tool will summarize the mathematical correlations developed under Task 5. - We collect more information about the test sections that we examined last summer (e.g., traffic level, mix type (SP3, SP5, etc.), binder type, seal coat grade, etc.). In addition, we contacted the material engineers to identify test sites for the upcoming testing cycle.			
Summarize Work Completed to Date (Milestones Completed and Dates) (List Major Activities that were completed, including completion dates.) The UI research team completed Task 1 (Literature Review). Please see Gantt Chart.			
List Information Required from ITD to Avoid Delays The research team sent email requests to the material engineers to provide information about the test sections examined last summer. We look forward to receiving their inputs so we can identify the proper test sites for the upcoming testing cycle.			
List Changes in Scope or Complexity that Requires a Supplemental Agreement or Time Adjustments			
Printed Name Emad Kassem	Title Principal Investigator	Consultant's Signature	

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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
		5	UI-17-03
Agreement Time	Time Passed	Percent of Agreement Time Elapsed	Percent of Work Completed
25	5	24.00%	39.3%
Original Agreement Amount	Supplemental(s)	Current Agreement Amount	Payments (Including this Payment)
\$119,999.71	\$	\$119,999.71	\$34,698.50
Percent of Agreement Dollars Paid			
28.92%			
Prompt Payment To Subconsultant(s) Verified	Fixed Fee	This Invoice	To Date
<input type="checkbox"/> Yes <input type="checkbox"/> No	\$	\$	\$
Negotiated			
If There is a Significant Variance Between the Percentages, Please Explain			
Consultant Invoice Number	This Payment Amount		
6	\$1,884.07		
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
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> 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

Distribution: DRI (Original) - Project File

Copy - Prime Consultant

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		Yr 2017						Yr 2018						Yr 2019																
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
Task 1	Literature review	25%	50%	100%																										
Task 2	Identify and select pavement sites for evaluation	15%	30%	40%	50%	65%	70%																							
Task 3	Measure skid number at different speeds	5%	15%	20%	40%	40%	40%																							
Task 4	Measure the surface friction characteristics	5%	15%	20%	40%	40%	40%																							
Task 5	Analyze the collected data				10%	20%	25%																							
Task 6	Establish correlations at different speeds																													
Task 7	Prepare the Final report																													
Deliverable No.					1			2						3											4			5		6