



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 1/10/2018
Agreement Administrator James Poorbaugh	Progress Report Number KLK583-7	Agreement Number UI-17-03	
Consultant's Name		Report/Billing Period (From and To) 12/1/17-12/31/17	
Prompt Payment To Subconsultant(s) Verified <input type="checkbox"/> Yes <input type="checkbox"/> No	Authorization Number	Invoice Number Invoice #7	
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 working on analyzing the collected friction data in the field. 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 is currently working on developing an Excel-based software tool to import data files from the skid trailer. This tool will enable the user to see the measured SN data and mean profile depth (MPD) in a graphical user interface (GUI). This software tool will incorporate the regression models to predict the SN at the desired speed. -The team, with the help of the ITD material engineers, will identify pavement sections to be tested during spring 2018 and develop a testing plan with the help of ITD crew.			
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) and identified the test sites for evaluation under Task 2. Some sites need to be finalized for the material engineers. Please see attached 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 more 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 7	Agreement Number UI-17-03
Agreement Time 25	Time Passed 7	Percent of Agreement Time Elapsed 28.00%	Percent of Work Completed 42.1%
Original Agreement Amount \$119,999.71	Supplemental(s) \$	Current Agreement Amount \$119,999.71	Payments (Including this Payment) \$36,412.96
Percent of Agreement Dollars Paid 30.35%		Prompt Payment To Subconsultant(s) Verified <input type="checkbox"/> Yes <input type="checkbox"/> No	Fixed Fee This Invoice \$ To Date \$ Negotiated \$
If There is a Significant Variance Between the Percentages, Please Explain			
Consultant Invoice Number 7		This Payment Amount \$1,714.46	
Report Reviewed By			Review Date

Consultant Performance To Be Completed Monthly by the Agreement Administrator

Work planned for this period was completed <input type="checkbox"/> Yes <input type="checkbox"/> No	Quality of work was completed satisfactory <input type="checkbox"/> Yes <input type="checkbox"/> No	Discussed performance with Consultant <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
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

		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%	85%																		
Task 3	Measure skid number at different speeds	5%	15%	20%	40%	40%	40%	40%																		
Task 4	Measure the surface friction characteristics	5%	15%	20%	40%	40%	40%	40%																		
Task 5	Analyze the collected data				10%	20%	25%	30%																		
Task 6	Establish correlations at different speeds																									
Task 7	Prepare the Final report																									

Deliverable No.		1		2		3		4		5		6
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