



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 12/17/2018
Agreement Administrator James Poorbaugh		Progress Report Number EN1797-KLK583-18	Agreement Number UI-17-03
Consultant's Name			Report/Billing Period (From and To) 11/1/18-11/30/18
Prompt Payment To Subconsultant(s) Verified <input type="checkbox"/> Yes <input type="checkbox"/> No		Authorization Number	Invoice Number Invoice #15
Describe Work Accomplished During the Month (List Major Activities that were in progress during this period and estimate the remaining time for each.) <ul style="list-style-type: none"> - We have tested separate models for skid prediction and compared the results to the general prediction model. - We have revised the excel-based utility to include a modified prediction model. The software can be used to analyze the skid data for a single site as well as multiple sites. - We have prepared one journal paper based on some data collected in this study. - We started working on the final report. 			
Summarize Work Completed to Date (Milestones Completed and Dates) (List Major Activities that were completed, including completion dates.) Please see attached GANTT chart. The research team completed Task 1 (Literature Review) and identified the test sites for evaluation under Task 2. In addition, we submitted a technical memorandum (Tech Memo No. 3) that summarized the work done so far in the project. Please see attached GANTT chart.			
List Information Required from ITD to Avoid Delays The laser sensor mounted on the ITD skid van requires repair to collect the mean profile depth data. Such information is needed to predict skid number at a given speed. Also, ITD skid crew will test 10 sites in D3. This information will be used to complete the model development and validation.			
List Changes in Scope or Complexity that Requires a Supplemental Agreement or Time Adjustments			
Printed Name Emad Kassem	Title Principal Investigator	Consultant's Signature <i>Emad Kassem by Barb Smith</i>	

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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
		18	UI-17-03
Agreement Time	Time Passed	Percent of Agreement Time Elapsed	Percent of Work Completed
25	18	72.00%	82%
Original Agreement Amount	Supplemental(s)	Current Agreement Amount	Payments (Including this Payment)
\$119,999.71	\$	\$119,999.71	\$87,851.61
Percent of Agreement Dollars Paid			
73.21%			
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		
Invoice #15	\$2,391.54		
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

ITD RP266: KLK583: UI-17-03

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

		Yr 2017							Yr 2018												
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		
Task 1	Literature review	25%	50%	100%																	
Task 2	Identify and select pavement sites for evaluation	15%	30%	40%	50%	65%	70%	85%	100%												
Task 3	Measure skid number at different speeds	5%	15%	20%	40%	40%	40%	40%	40%	40%	40%	40%	45%	60%	80%	85%	85%	85%	85%		
Task 4	Measure the surface friction characteristics	5%	15%	20%	40%	40%	40%	40%	40%	40%	40%	40%	45%	60%	80%	80%	85%	85%	85%		
Task 5	Analyze the collected data				10%	20%	25%	30%	40%	50%	55%	65%	70%	75%	80%	80%	90%	90%	95%		
Task 6	Establish correlations at different speeds												20%	30%	35%	40%	50%	60%	70%	80%	85%
Task 7	Prepare the Final report																			10%	
Deliverable No.					1		2					3									