



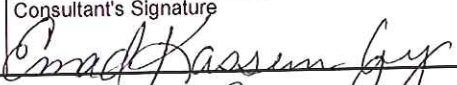
Professional Agreement Invoice and Progress Report

ITD 0771 (Rev. 01-17)

itd.idaho.gov

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 ITD RP 280	Project Name ITD-Gyratory Stability Index	Date 2/20/2019
Agreement Administrator Mike Santi		Progress Report Number EN3240-1	Agreement Number UI-19-03
Consultant's Name			Report/Billing Period (From and To) 1/1/2019-1/31/2019
Prompt Payment To Subconsultant(s) Verified <input type="checkbox"/> Yes <input type="checkbox"/> No		Authorization Number	Invoice Number No Invoice
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 (Jan 2019) included: - The research team is working on Task 1 "Literature review" to review previous studies on the use of laboratory compaction data to determine parameters that are related to mix performance (e.g., rutting resistance) such as Gyratory Stability, Compaction Energy Index, and Total Energy Index. In addition, the literature review will include reviewing previous studies on the effect of RAP content on compaction of asphalt mixtures and performance in the laboratory (e.g., ITD RP213 and NCHRP synthesis 495). - The research team is searching for options to acquire a new gyratory compactor.			
Summarize Work Completed to Date (Milestones Completed and Dates) (List Major Activities that were completed, including completion dates.) Please see attached GANTT chart. Project just started. Work completed is estimated by about 2%			
List Information Required from ITD to Avoid Delays Facilitate communication with Pine to acquire technical information about the Gyratory compactor needed for the development of the Gyratory Stability Index for Pine compactor.			
List Changes in Scope or Complexity that Requires a Supplemental Agreement or Time Adjustments N/A			
Printed Name Emad Kassem		Title Principal Investigator	Consultant's Signature 

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 ITD RP 280	Progress Report Number 1	Agreement Number UI-19-03
Agreement Time 24 months	Time Passed 1	Percent of Agreement Time Elapsed 04.17%	Percent of Work Completed 2%
Original Agreement Amount \$160,000.00	Supplemental(s) \$0.00	Current Agreement Amount \$160,000.00	Payments (Including this Payment) \$0.00
Percent of Agreement Dollars Paid 00.00%		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 No Invoice		This Payment Amount \$0.00	
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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ITD RP 280

Development of a Gyrotory Stability Index to Evaluate Variation of RAP Resistance of Asphalt Mixtures

Task	Yr 2019												Yr 2020				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Dec	Jan	Feb	Mar	Apr	May	Jun
Task 1 Literature Review																	
Task 2 Development of Testing Matrix and Asphalt Mixture Preparation																	
Task 3 Develop Mathematical Algorithm for Calculating the GS Index																	
Task 4 Conduct Laboratory Performance Tests																	
Task 5 Develop/Modify ITD Software to Calculate GS Index																	
Task 6 Analyze Laboratory Test Results and Develop Recommendations for the Use of GS Index and																	
Task 7 Prepare Final Report																	
Deliverables No.																	
												1	2	3	4		

