# **Professional Agreement Invoice and Progress Report**



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			Project Name	Date					
	ITD RP 225			ITD Prediction Models for I	D Hwys	8/7/2013				
Agreement Administrator Progres				port Number	Agreement Number					
Ned Parrish				UI-13-01						
Consultant		Report/Billing Period (From and To)								
				7/01/2013-7/31/20	13					
Certification of Pay	ment Submitted	Certification Date	PSA N	Number	Invoice Number					
🗌 Yes 🛛	No				No invoice					
Description of Wor	k Accomplished D	uring the Month								
The project team completed the documentation of the study methodology that will be applied to predict total crash frequency for each site as indicated in Part C of the HSM predictive model. The study methodology has been coded as a script in the SPSS statistical software package to facilitate future implementation. The project team used different sources to collect the crash and geometric data for different sites included in the study. Data resources included: ITD Webcar for crash data, ITD video log for characteristics data, ITD GIS database for geometry data, and Google earth for other data elements as well as for data verification purpose. The project team started the data analysis task. Data for the first facility "two-lane two-way roadway segments" was analyzed. For data from 89 sites, a preliminary HSM calibration factor of 0.812 was estimated. This value will be adjusted as more sites are included in the analysis. Summary of Work Completed to Date (Milestones Completed and Dates) See Gantt Chart										
Information Require	ed from ITD to Ave	pid Delays								
List Changes in Sc	ope or Complexity	Requiring a Supplemental	Agreement or	Time Adjustments						
Consultant's Signa	ture			Printed Name and Title						
				Ahmed Abdel-Rahim, Prir	ncipal Investigator					

## **Professional Agreement Invoice and Progress Report**

Idaho Transportation Department

## This page must be filled out by the Agreement Administrator.

Key Number	Program (Work Authority)	t Number						
		7	UI-13-01					
Report Reviewed B	у			Review Date				
The Following was	Initiated			·				

### Status Report

A completed status report must accompany all Agreement invoices recommended for payment. The requested percentage measurements of progress to this report are required.

Agreement Time		Time Passed			Percent	of Agreement Time	Elapsed F	Percent of Work Completed			
16 months		7 months				43.75%		30%			
Original Agreement Amount Suppleme		ental(s)	al(s) Current Agreement A		mount	Payments (Includin	g this Paymen	Percent of Agreement Dollars F			
\$65,200.00 \$0.00			\$65,200.00			\$7,968.84			12.23%		
Certification of Payment Sub	mitted C	ertification Date			-	Invoice To Date			Negotiated		
🗌 Yes 🛛 🗌 No		Fixed		Fixed Fee	\$		\$		\$		
If There is a Significant Varia	nce Betwe	een the Percentages	, Plea	ise Explain					•		
Consultant Invoice Number			This	This Payment Amount							
no invoice				\$0.	\$0.00						

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 RP225 UI-13-01 KLK565

Task	Tack Description	2013											2014			
	Task Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Document the HSM crash estimation procedure	30%	30%	25%	10%	5%										
2	Project approach for site selection		20%	20%	40%	20%										
3	Document the study methodology				50%	20%	20%	10%								
4	Collect crash and roadway characteristic data				30%	20%	20%									
5	Data analysis							25%								
6	Project final report															