ITEMIZED BUDGET FOR TASK 1 June 1, 2014 - July 31, 2014

June 1, 2014 - July 31, 2014
Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes

Solicitation Number: 4800008014 PTI Proposal Number: 55-2014

The itemized budget for estimated cost presented below is based on 2 months.

	Budget starts with fiscal year		2013 # of fonths fear 1	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES								7.000			7 010.
	A. Category I Salaries	Semes	ter									
	Solaimanian, Mansour	AY	1.0	1.0	2.0	@	2.5	8.0	\$10,020	\$251	\$257	\$508
	Milander, Scott	AY	1.0	1.0	2.0	@	2.5	8.0	\$3,123	\$78	\$80	\$158
	,	AY	0.0	0.0	0.0	@	0.0	0.0	,	\$0	\$0	\$0
	Total Category I Salaries									\$329	\$337	\$666
							Appoint	ment				
No.	B. Category II Salaries	<u>Grade</u>					<u>Type</u>					
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
			0.0	0.0	0.0			0.0	_	\$0	\$0	\$0
							% of					
No.	C. Category III Salaries						<u>Time</u>		Hourly Rate			
1	Wage Payroll		1.0	1.0	2.0	@	12.5	40.0	\$18	\$360	\$369	\$729
1	Wage Payroll		1.0	1.0	2.0	@	3.1	10.0	\$18	\$90	\$92	\$182
<u>No.</u>									Monthly Rate			
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Visiting Faculty		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
	Total Category III Salaries		2.0	2.0	4.0			50.0		\$450	\$461	\$911
	Total Salaries									\$779	\$798	\$1,577
	EDINOE DENEETS											
	FRINGE BENEFITS									#400	#400	CO 40
	36.5% of Category I Salaries									\$120	\$123	\$243
	13.2% of Category II Salaries									\$0 ************************************	\$0 \$00	\$0 \$70
	7.9% of Category III Salaries									\$36	\$36	\$72
	Total Fringe Benefits									\$156	\$159	\$315
	EQUIPMENT (over \$5,000) TRAVEL									\$0	\$0	\$0
	In Country									\$150	\$0	\$150
	Out of Country									\$0	\$0	\$0
	TOTAL TRAVEL									\$150	\$0	\$150
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0	\$0 \$0	\$0
	SUBCONTRACTS									ΨΟ	ΨΟ	ΨΟ
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$ 0	\$0
	TOTAL SUBCONTRACTS									\$0	\$0	\$0
										**	**	**
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0	\$0	\$0
	GRADUATE STUDENT TUITIO	ON REM	101221							\$0	\$0	\$0
	TOTAL DIRECT COST									\$1,085	\$957	\$2,042
	FACILITIES AND ADMINISTRA 49.5% of Modified Total Direct (INDIRE	CT COST	S					\$537	\$474	\$1,011
	ESTIMATED COST								_	\$1,622	\$1,431	\$3,053
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	TOTAL REQUESTED COST									\$1,622	\$1,431	\$3,053

ITEMIZED BUDGET FOR TASK 2 July 1, 2014 - August 31, 2014

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 2 months.

	Budget starts with fiscal year		2013 # of Months Year 1	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES											
	A. Category I Salaries	Semes	ter									
	Solaimanian, Mansour	AY	0.0	2.0	2.0	@	12.5	40.0	\$10,020	\$0	\$2,568	\$2,568
	•	AY	0.0	2.0	2.0	@	7.5	24.0		\$0 \$0		\$2,566 \$480
	Milander, Scott								\$3,123		\$480	
		AY	0.0	0.0	0.0	@	0.0	0.0		\$0	\$0	\$0
	Total Category I Salaries									\$0	\$3,048	\$3,048
							Appoint	ment				
<u>No.</u>	B. Category II Salaries	<u>Grade</u>					<u>Type</u>					
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
			0.0	0.0	0.0			0.0	_	\$0	\$0	\$0
							% of					
No.	C. Category III Salaries						Time		Hourly Rate			
1	Wage Payroll		0.0	2.0	2.0	@	12.5	40.0	\$18	\$0	\$738	\$738
1	Wage Payroll		0.0	2.0	2.0	@	3.1	10.0	\$18	\$0	\$185	\$185
	wage Fayloli		0.0	2.0	2.0	w	3.1	10.0			φ100	φ100
No.	D (D (10))		0.0	0.0	0.0		0.0	0.0	Monthly Rate		•	00
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$ 0	\$0	\$0	\$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Visiting Faculty	_	0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
	Total Category III Salaries		0.0	4.0	4.0	_		50.0		\$0	\$923	\$923
	Total Salaries									\$0	\$3,971	\$3,971
	FRINGE BENEFITS											
	36.5% of Category I Salaries									\$0	\$1,113	\$1,113
										\$0 \$0	\$1,113	\$1,113
	13.2% of Category II Salaries											
	7.9% of Category III Salaries									\$0	\$73	\$73
	Total Fringe Benefits									\$0	\$1,186	\$1,186
	EQUIPMENT (over \$5,000)									\$0	\$0	\$0
	TRAVEL											
	In Country									\$0	\$1,000	\$1,000
	Out of Country									\$0	\$0	\$0
	TOTAL TRAVEL									\$0	\$1,000	\$1,000
										Ψū	ψ.,σσσ	ψ.,σσσ
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0 \$0	\$0 \$0	\$0 \$0
										ΦU	φU	φυ
	SUBCONTRACTS											•
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$0	\$0
	TOTAL SUBCONTRACTS									\$0	\$0	\$0
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0 \$0	\$800	\$800
		N DEM	ICCIO!									
	GRADUATE STUDENT TUITIO	IN KEIVII	ISSIUI							\$0	\$0	\$0
	TOTAL DIRECT COST									\$0	\$6,957	\$6,957
	FACILITIES AND ADMINISTRA	•	INDIRE	CT COST	s					\$0	\$3,444	\$3,444
	49.5% of Modified Total Direct C	JUSTS							_			
	ESTIMATED COST									\$0	\$10,401	\$10,401
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	TOTAL REQUESTED COST									\$0	\$10,401	\$10,401

ITEMIZED BUDGET FOR TASK 3 September 1, 2014 - February 28, 2015

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 6 months.

	Budget starts with fiscal year		2013 # of Months Year 1	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES	_						•				
	A. Category I Salaries	Seme	<u>ester</u>									
	Solaimanian, Mansour	AY	0.0	6.0	6.0	@	8.3	80.0	\$10,020	\$0	\$5,133	\$5,133
	Milander, Scott	AY	0.0	6.0	6.0	@	3.3	32.0	\$3,123	\$0	\$640	\$640
		AY	0.0	0.0	0.0	@	0.0	0.0		\$0	\$0	\$0
	Total Category I Salaries									\$0	\$5,773	\$5,773
Nia	P. Catamani, II Salariaa	Crod	_				Appoint	ment				
<u>No.</u> 0	B. Category II Salaries Grad Assistant (FA/SP)	Grade 0	<u>e</u> 0.0	0.0	0.0	@	<u>Type</u> 0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0		N/A	\$0 \$0	\$0 \$0	\$0 \$0
U	Grad Assistant (SOMMEN)	۰ _	0.0	0.0	0.0	w	0.0	0.0	_ 18/7	\$0 \$0	\$0 \$0	\$0
			0.0	0.0	0.0		% of	0.0		ΨΟ	ΨΟ	ΨΟ
No.	C. Category III Salaries						Time		Hourly Rate			
1	Wage Payroll		0.0	6.0	6.0	@	4.2	40.0	\$18	\$0	\$739	\$739
1	Wage Payroll		0.0	6.0	6.0	@	1.0	10.0	\$18	\$0	\$184	\$184
No.									Monthly Rate			
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Visiting Faculty	_	0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
	Total Category III Salaries		0.0	12.0	12.0			50.0		\$0	\$923	\$923
	Total Salaries									\$0	\$6,696	\$6,696
	FRINGE BENEFITS									Φ0	00.407	# 0.407
	36.5% of Category I Salaries									\$0 \$0	\$2,107	\$2,107
	13.2% of Category II Salaries									\$0 \$0	\$0 \$73	\$0 \$73
	7.9% of Category III Salaries Total Fringe Benefits								_	\$0 \$0	\$2,180	\$2,180
	Total i finge Benefits									ΨΟ	Ψ2,100	φ2,100
	EQUIPMENT (over \$5,000) TRAVEL									\$0	\$0	\$0
	In Country									\$0	\$1,200	\$1,200
	Out of Country									\$0	\$0	\$0
	TOTAL TRAVEL									\$0	\$1,200	\$1,200
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0	\$0	\$0
	SUBCONTRACTS											
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$0	\$0
	TOTAL SUBCONTRACTS									\$0	\$0	\$0
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0	\$1,600	\$1,600
	GRADUATE STUDENT TUITIO	ON RE	MISSION							\$0	\$0	\$0
	TOTAL DIRECT COST									\$0	\$11,676	\$11,676
	FACILITIES AND ADMINISTRA 49.5% of Modified Total Direct ((INDIRE	CT COST	S					\$0	\$5,780	\$5,780
	ESTIMATED COST									\$0	\$17,456	\$17,456
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	TOTAL REQUESTED COST									\$0	\$17,456	\$17,456

ITEMIZED BUDGET FOR TASK 4 March 1, 2015 - April 30, 2015

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 0 months.

	Budget starts with fiscal year		2013 # of fonths /ear 1	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES		car r	roar z	WOITHIS		Tillio	riours	Nato			Total
	A. Category I Salaries	Semes	ter									
	Solaimanian, Mansour	AY	0.0	2.0	2.0	@	10.0	32.0	\$10,020	\$0	\$2,054	\$2,054
	Milander, Scott	AY	0.0	0.0	0.0	@	0.0	0.0	\$3,123	\$0	\$0	\$0
	,	AY	0.0	0.0	0.0	@	0.0	0.0	, , -	\$0	\$0	\$0
	Total Category I Salaries									\$0	\$2,054	\$2,054
	3 ,						Appoint	ment			, ,	
No.	B. Category II Salaries	Grade					Type					
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
			0.0	0.0	0.0			0.0		\$0	\$0	\$0
							% of					
No.	C. Category III Salaries						<u>Time</u>		Hourly Rate			
1	Wage Payroll		0.0	2.0	2.0	@	7.5	24.0	\$18	\$0	\$443	\$443
1	Wage Payroll		0.0	2.0	2.0	@	7.5	24.0	\$18	\$0	\$443	\$443
No.									Monthly Rate			
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Visiting Faculty		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
	Total Category III Salaries		0.0	4.0	4.0			48.0		\$0	\$886	\$886
	Total Salaries									\$0	\$2,940	\$2,940
	FRINGE BENEFITS											
										\$0	\$750	\$750
	36.5% of Category I Salaries									\$0 \$0	\$750 \$0	\$750 \$0
	13.2% of Category III Salaries									\$0 \$0	\$0 \$70	\$70
	7.9% of Category III Salaries Total Fringe Benefits									\$0 \$0	\$820	\$820
	Total Fillige Bellents									φυ	φ020	φ020
	EQUIPMENT (over \$5,000) TRAVEL									\$0	\$0	\$0
	In Country									\$0	\$0	\$0
	Out of Country									\$ 0	\$0 \$0	\$0 \$0
	TOTAL TRAVEL									\$0	\$0	\$0
										40	Ψ¢.	ų v
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0	\$0	\$0
	SUBCONTRACTS											•
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$0	\$0
	TOTAL SUBCONTRACTS									\$0	\$0	\$0
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES	B=	001-							\$ 0	\$1,600	\$1,600
	GRADUATE STUDENT TUITIO	ON REMI	SSIOI							\$0	\$0	\$0
	TOTAL DIRECT COST	ATION: "	ND:	OT 000-						\$0	\$5,360	\$5,360
	49.5% of Modified Total Direct (•	NDIRE	CI COST	5					\$0	\$2,653	\$2,653
	ESTIMATED COST	00313							=	\$0	\$8,013	\$8,013
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	TOTAL REQUESTED COST									\$0	\$8,013	\$8,013

ITEMIZED BUDGET FOR TASK 5 March 1, 2015 - April 30, 2015

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 2 months.

	Budget starts with fiscal year	# <i>M</i> o	2013 of onths	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES											
	A. Category I Salaries	Semeste	r									
	Solaimanian, Mansour	AY	0.0	2.0	2.0	@	12.5	40.0	\$10,020	\$0	\$2,568	\$2,568
	Milander, Scott	AY	0.0	0.0	0.0	@	0.0	0.0	\$3,123	\$0	\$0	\$0
	,	AY	0.0	0.0	0.0	@	0.0	0.0	*-,	\$0	\$0	\$0
	Total Category I Salaries					_			_	\$0	\$2,568	\$2,568
							Appoint	ment		**	+ =,	- ,
No.	B. Category II Salaries	Grade					Type					
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0		N/A	\$0	\$0	\$0
·	eraa / teeletani (eenimi=tt)	<u> </u>	0.0	0.0	0.0	Ŭ	0.0	0.0		\$0	\$0 -	\$0
			0.0	0.0	0.0		% of	0.0		Ψ	ΨΟ	ΨΟ
No.	C. Category III Salaries						Time		Hourly Rate			
0	Wage Payroll		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Wage Payroll		0.0	0.0	0.0	@	0.0	0.0	\$0	\$ 0	\$0	\$0
No.	wage rayion		0.0	0.0	0.0	•	0.0	0.0	Monthly Rate		ΨΟ	ΨΟ
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
0	Visiting Faculty		0.0	0.0		@		0.0	\$0 \$0	\$0 \$0	\$0 \$0	
U					0.0	w	0.0	0.0	<u></u> Φ0	\$0 \$0	\$0 \$0	\$0 \$0
	Total Category III Salaries		0.0	0.0	0.0			0.0		\$0	Φ0	\$0
	Total Salaries									\$0	\$2,568	\$2,568
	FRINGE BENEFITS											
	36.5% of Category I Salaries									\$0	\$937	\$937
	13.2% of Category II Salaries									\$0	\$0	\$0
	7.9% of Category III Salaries									\$0	\$0	\$0
	Total Fringe Benefits								_	\$0	\$937	\$937
	Total Tilligo Dollollico									ΨΟ	φοσι	φοσι
	EQUIPMENT (over \$5,000)									\$0	\$0	\$0
	TRAVEL											
	In Country									\$0	\$0	\$0
	Out of Country									\$0	\$0	\$0
	TOTAL TRAVEL									\$0	\$0	\$0
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0	\$0	\$0
	SUBCONTRACTS											
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$0	\$0
	TOTAL SUBCONTRACTS									\$0	\$0	\$0
	PEROPTS									ΦO	Ф О	
	REPORTS									\$0 ©0	\$0 \$0	\$0 ©0
	COMMUNICATIONS									\$0 ©0	\$0 \$0	\$0 \$0
	EQUIPMENT USAGE									\$0 \$0	\$0 \$0	\$0 \$0
	EQUIPMENT MAINTENANCE									\$ 0	\$ 0	\$0 \$0
	SOFTWARE									\$ 0	\$ 0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0	\$1,600	\$1,600
	GRADUATE STUDENT TUITIO	N REMIS	SIOI						_	\$0	\$0	\$0
	TOTAL DIRECT COST									\$0	\$5,105	\$5,105
	FACILITIES AND ADMINISTRA 49.5% of Modified Total Direct O		DIRE	CT COST	S					\$0	\$2,527	\$2,527
	ESTIMATED COST								=	\$0	\$7,632	\$7,632
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	TOTAL REQUESTED COST									\$0	\$7,632	\$7,632

ITEMIZED BUDGET FOR TASK 6 April 1, 2015 - April 30, 2015

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 1 months.

	Budget starts with fiscal year		2013 # of fonths /ear 1	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES	<u> </u>	car r	rour z	WOITH		711110	riouro	rate			rotar
	A. Category I Salaries	Semes	ter									
	Solaimanian, Mansour	AY	0.0	1.0	1.0	@	20.0	32.0	\$10,020	\$0	\$2,054	\$2,054
	Milander, Scott	AY	0.0	1.0	1.0	@	10.0	16.0	\$3,123	\$0	\$320	\$320
	•	AY	0.0	0.0	0.0	@	0.0	0.0	. ,	\$0	\$0	\$0
	Total Category I Salaries									\$0	\$2,374	\$2,374
							Appoint	ment				
No.	B. Category II Salaries	<u>Grade</u>					Type					
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
			0.0	0.0	0.0			0.0		\$0	\$0	\$0
							% of					
No.	C. Category III Salaries						<u>Time</u>		Hourly Rate			
0	Wage Payroll		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Wage Payroll		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
<u>No.</u>									Monthly Rate			
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Visiting Faculty		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
	Total Category III Salaries		0.0	0.0	0.0			0.0		\$0	\$0	\$0
	Total Salaries									\$0	\$2,374	\$2,374
	FRINGE BENEFITS											
	36.5% of Category I Salaries									\$0	\$867	\$867
	13.2% of Category II Salaries									\$0	\$0	\$0
	7.9% of Category III Salaries									\$0	\$0	\$0
	Total Fringe Benefits									\$0	\$867	\$867
	EQUIPMENT (over \$5,000)									\$0	\$0	\$0
	TRAVEL									ΨΟ	ΨΟ	ΨΟ
	In Country									\$0	\$150	\$150
	Out of Country									\$ 0	\$0	\$0
	TOTAL TRAVEL								_	\$0	\$150	\$150
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0	\$0	\$0
	SUBCONTRACTS											
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$0	\$0
	TOTAL SUBCONTRACTS									\$0	\$0	\$0
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0	\$400	\$400
	GRADUATE STUDENT TUITIO	ON REMI	10122							\$0	\$0	\$0
	TOTAL DIRECT COST									\$0	\$3,791	\$3,791
	FACILITIES AND ADMINISTRA 49.5% of Modified Total Direct (•	NDIRE	ст cost	S					\$0	\$1,877	\$1,877
	ESTIMATED COST								_	\$0	\$5,668	\$5,668
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	TOTAL REQUESTED COST									\$0	\$5,668	\$5,668

ITEMIZED BUDGET FOR TASK 7 May 1, 2015 - May 31, 2015

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 1 months.

	Budget starts with fiscal year		2013 # of fonths /ear 1	# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES							•				
	A. Category I Salaries	Semes	ter									
	Solaimanian, Mansour	AY	0.0	1.0	1.0	@	15.0	24.0	\$10,020	\$0	\$1,541	\$1.541
	Milander, Scott	AY	0.0	1.0	1.0	@	5.0	8.0	\$3,123	\$0	\$160	\$160
	Wildrider, Cook	AY	0.0	0.0	0.0	@	0.0	0.0	ψ0,120	\$0	\$0	\$0
	Total Category I Salaries	/ / /	0.0	0.0	0.0	•	0.0	0.0	_	\$0	\$1,701	\$1,701
	Total Category I Calaries						Appoint	ment		ΨΟ	Ψ1,701	Ψ1,701
No.	B. Category II Salaries	Grade					Туре	on				
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0		N/A	\$0 \$0	\$0	\$0 \$0
U	Grad Assistant (GOWINER)	° —	0.0	0.0	0.0	٠	0.0	0.0	_17/7	\$0 \$0	\$0 <u>-</u>	\$0 \$0
			0.0	0.0	0.0		% of	0.0		ΨΟ	ΨΟ	ΨΟ
No	C. Category III Salaries						Time		Hourly Rate			
<u>No.</u>	Wage Payroll		0.0	0.0	0.0	@		0.0	\$0	\$0	\$0	\$0
0	0 ,						0.0			\$0 \$0		
	Wage Payroll		0.0	0.0	0.0	@	0.0	0.0	\$0 Maradala Data		\$0	\$0
No.	Doot Doots and Oak along		0.0	0.0	0.0	<u></u>	0.0	0.0	Monthly Rate		Φ0	C O
0	Post Doctoral Scholars		0.0	0.0	0.0	@	0.0	0.0	\$0 ©0	\$0 \$0	\$0 \$0	\$0 \$0
0	Graduate Researcher		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
0	Visiting Faculty		0.0	0.0	0.0	@	0.0	0.0	\$0	\$0	\$0	\$0
	Total Category III Salaries		0.0	0.0	0.0			0.0		\$0	\$0	\$0
	Total Salaries									\$0	\$1,701	\$1,701
	FRINGE BENEFITS											
	36.5% of Category I Salaries									\$0	\$621	\$621
	13.2% of Category II Salaries									\$0	\$0	\$0
	7.9% of Category III Salaries									\$0	\$0	\$0
	Total Fringe Benefits									\$0	\$621	\$621
	EQUIPMENT (over \$5,000)									\$0	\$0	\$0
	TRAVEL											
	In Country									\$0	\$0	\$0
	Out of Country									\$0	\$0	\$0
	TOTAL TRAVEL									\$0	\$0	\$0
	MATERIALS & SUPPLIES									\$0	\$0	\$0
	CONSULTANTS									\$0	\$0	\$0
	SUBCONTRACTS											
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0	\$0	\$0
	TOTAL SUBCONTRACTS								_	\$0	\$0	\$0
										ΨΟ	Ψ	Ψ
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0 \$0	\$0 \$0	\$0 \$0
	GRADUATE STUDENT TUITIO	NRFM	SSIO							\$0 \$0	\$0 \$0	\$0 \$0
	TOTAL DIRECT COST		33.31						_	\$0	\$2,322	\$2,322
	TOTAL DIRECT COOT									ΨΟ	Ψ2,022	ΨΖ,ΟΖΖ
	FACILITIES AND ADMINISTRA	ATION (NUIDE	CT COST	s					\$0	\$1,149	\$1,149
	49.5% of Modified Total Direct 0		אוטויי	01 0031	-					φυ	ψ1,149	ψ1,145
	ESTIMATED COST	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							=	\$0	¢0 474 I	¢2 474
	ESTIMATED COST									ΦU	\$3,471	\$3,471
	UNIVERSITY PARTICIPATION									\$0	\$0	\$0
	CHIVERSHI FAR HOFATIO									φυ	φυ	φυ
	TOTAL REQUESTED COST									\$0	\$3,471	\$3,471
	IOTAL NEWOLDTED COST									ΨΟ	ΨΟ,Ψ1 Ι	ΨΟ,Ψ1 Ι

MAIN ITEMIZED BUDGET

June 1, 2014 - May 31, 2015

Budget Note: The percent of time column shown on this page reflects an "average percent of time" for all tasks included with the budget.

The person hours column and year columns reflect the summation of actuals from all tasks included with the budget.

Proposal Title: Best Practices for the Design, Evaluation, and Quality Control of High Percentage RAP Mixes Solicitation Number: 4800008014

The itemized budget for estimated cost presented below is based on 12 months.

	Budget starts with fiscal year			# of Months Year 2	Total # of Months		% of Time	Person Hours	Monthly Rate	Year 1	Year 2	Total
	SALARIES			7007 2	Working		111110	riouro	ridio			rotar
	A. Category I Salaries	Semester										
	Solaimanian, Mansour	AY	1.0	11.0	12.0	@	13.3	256.0	\$10,020	\$251	\$16,175	\$16,426
	Milander, Scott	AY	1.0	11.0	12.0	@	4.6	88.0	\$3,123	\$78	\$1,680	\$1,758
		AY	0.0	0.0	0.0	@	#DIV/0!	0.0		\$0	\$0	\$0
	Total Category I Salaries									\$329	\$17,855	\$18,184
							Appointr	ment				
No.	B. Category II Salaries	<u>Grade</u>					<u>Type</u>					
0	Grad Assistant (FA/SP)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
0	Grad Assistant (SUMMER)	0	0.0	0.0	0.0	@	0.0	0.0	N/A	\$0	\$0	\$0
			0.0	0.0	0.0			0.0		\$0	\$0	\$0
							% of					
<u>No.</u>	C. Category III Salaries					_	<u>Time</u>		Hourly Rate			
1	Wage Payroll		1.0	11.0	12.0	@	7.5	144.0	\$18	\$360	\$2,289	\$2,649
. 1	Wage Payroll		1.0	11.0	12.0	@	2.8	54.0	\$18	\$90	\$904	\$994
No.	Deat Deateral Oak dans		0 0	0.0	0.0	•	"DI\ //OI	0.0	Monthly Rate		# 0	# 0
0	Post Doctoral Scholars		0.0	0.0	0.0	@		0.0	\$0 \$0	\$0 \$0	\$0 ©0	\$0 \$0
0	Graduate Researcher		0.0	0.0	0.0	@		0.0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
U	Visiting Faculty Total Category III Salaries		2.0	22.0	24.0	_ @	#DIV/0!	0.0 198.0	Ф О	\$450	\$0 \$3,193	\$0 \$3,643
	Total Category III Salaries		2.0	22.0	24.0			190.0		Φ450	कुठ, 195	φ3,043
	Total Salaries									\$779	\$21,048	\$21,827
	FRINGE BENEFITS											
	36.5% of Category I Salaries									\$120	\$6,518	\$6,638
	13.2% of Category II Salaries									\$0	ψ0,510 \$0	\$0
	7.9% of Category III Salaries									\$36	\$252	\$288
	Total Fringe Benefits								_	\$156	\$6,770	\$6,926
	. com i i i i i go zonomo									ψ.σσ	ψο,σ	Ψ0,020
	EQUIPMENT (over \$5,000) TRAVEL									\$0	\$0	\$0
	In Country									\$150	\$2,350	\$2,500
	Out of Country									\$0	\$0	\$0
	TOTAL TRAVEL									\$150	\$2,350	\$2,500
	***************************************									00	40	Φ0
	MATERIALS & SUPPLIES									\$0 \$0	\$0 ©0	\$0 \$0
	CONSULTANTS SUBCONTRACTS									\$0	\$0	\$0
	Less than \$25,000									\$0	\$0	\$0
	Over \$25,000									\$0 \$0	\$0 \$0	\$0 \$0
	TOTAL SUBCONTRACTS								_	\$0 \$0	\$0 \$0	\$0
	. C.A. COLOGIA INACIO									ΨΟ	ΨΟ	ΨΟ
	REPORTS									\$0	\$0	\$0
	COMMUNICATIONS									\$0	\$0	\$0
	EQUIPMENT USAGE									\$0	\$0	\$0
	EQUIPMENT MAINTENANCE									\$0	\$0	\$0
	SOFTWARE									\$0	\$0	\$0
	MISCELLANEOUS ITEMS									\$0	\$0	\$0
	PURCHASED SERVICES									\$0	\$6,000	\$6,000
	GRADUATE STUDENT TUITION	ON REMIS	SIOI	٧						\$0	\$0	\$0
	TOTAL DIRECT COST									\$1,085	\$36,168	\$37,253
	FACILITIES AND ADMINISTR 49.5% of Modified Total Direct		DIRI	ECT COS	TS					\$537	\$17,904	\$18,441
	ESTIMATED COST								_	\$1,622	\$54,072	\$55,694
	UNIVERSITY PARTICIPATION	N								\$0	\$0	\$0
	TOTAL REQUESTED COST									\$1,622	\$54,072	\$55,694

FY 2013-2014 Budget Notes (Budget Justification) Thomas D. Larson Pennsylvania Transportation Institute (Larson Institute) College of Engineering, The Pennsylvania State University (Penn State)

Organization Type: State-Related Institution of Higher Education

Employer ID Number/EIN Number/Tax ID Number/IRS Number: 24-6000-376

DUNS Number: 00-340-3953

Commonwealth Vendor SAP ID Number: 141597

Name and Contact Information for Contractual Purposes:

John W. Hanold Interim Director Office of Sponsored Programs The Pennsylvania State University 110 Technology Center Building University Park, PA 16802-7000

Phone: 814-865-1372; Fax: 814-865-3377; E-Mail: osp@psu.edu

Personnel

Salaries and Wages (Direct Labor Costs)

The principal investigator is budgeted at the percentage of time shown using his/her actual salary in the calculation. The principal investigator's time includes both technical and project management functions. Other individuals/positions shown are technical support to the principal investigator with the percentage of time shown and actual salaries used. For project time occurring after June 30 of any given year, the salaries have been adjusted at the University approved rate of 2.5% per year each July 1.

The estimate of hours and/or hourly rates is furnished solely for the purpose of this proposal. It is understood that the University will not be required to maintain a record of hours of effort under any resultant award. The University operates under federal OMB Circular A-21 and its financial system is based on a percent of effort, not hours worked.

Fringe Benefits (Labor Overhead)

Per the Master Agreement, the University calculates its fringe benefit rates, including the rate for graduate students, in accordance with <u>OMB Circular A-21.</u>

Total Direct Costs

All of the costs in the project budget are considered direct costs.

Administration Fees (Overhead, Indirect, Facilities and Administration Costs [F&A])

F&A rates are negotiated with, and approved by, the Office of Naval Research, Penn State's cognizant federal agency. Penn State's current on-campus rate for research is 49.5% of modified total direct costs (MTDC) from July 1, 2013, to June 30, 2015. New awards and new competitive segments with an effective date of July 1, 2015, or later shall be subject to adjustment when superseding Government approved rates are established. Per OMB Circular A-21, the actual F&A rates used will be fixed at the time of the initial award for the duration of the competitive segment. MTDC are total direct costs excluding tuition, any amount of each subcontract in excess of \$25,000, single items of equipment costing more than \$5,000, plant construction, and building amortization.

The budget included in the attached proposal was prepared with the assumption that the prime funding is from the Federal Highway Administration; therefore the University's applicable F&A rate has been applied. In the event Commonwealth funding is utilized to fund the project, the University will revise the budget accordingly.

Total Costs

MTDC plus F&A costs equal total costs.

Travel

All travel will be in accordance with Commonwealth travel regulations. Travel estimates are based on costs that were incurred on previous projects of a similar nature for federal and state agencies. Estimated costs include three trips to Harrisburg for discussions and technical presentation and one trip to an Expert Task Group meeting by the principal investigator and one trip to State College by Mr. Huber.

Purchased Services

Mr. Gerry Huber will provide expertise in tasks 2 through 5.