

ATTACHMENT A
National Cooperative Highway Research Program
Transportation Research Board
National Research Council
Progress Schedule
Consideration of Roadside Features in the Highway Safety Manual
NCHRP Project No. 17-54
 Research Agency: Roadsafe LLC
 Principal Investigator: Malcolm H. Ray

Phase	Research Task	2011				2012				2013				2014				Total Funds %	Estimated Task Complete												
		A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J			A	S	O	N	D	J	F	M				
I	1. Literature Review	50	100																							3	100				
	2. Identify CMFs	25	50	60	70	80	90	90	90	100																6	100				
	3. Survey	10	20	30	40	50	60	60	60	70	80	100														2	100				
	4. HSM v. RSAP	25	50	75	100																					2	100				
	5. Sample Scenarios					25	50	75	100																	5	100				
	6. Recommendations					25	50	75	100																	7	100				
	7. Prioritized list of CMFs					25	50	75	100																	4	100				
	8. Interim Report									25	50	75	100													2	100				
II	9. Develop SPFs									30	50	90	95	95	100											7	100				
	10. Develop CMFs									5	10	15	19	24	29	34	38	43	48	53	57	62	67	72	76	81	86	91	95	100	
	11. RSAP Improvements													2	3	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
III	12. Final Report																									5	5	5	5	5	5
	13. Urban ROR SFP																													0	0
	14. Urban CMFs																													0	0
	15. RSAP Improvements																													0	0
Actual Overall Completed		2	4	5	6	7	8	14	17	22	26	29	33	33	33	33	33	33	34	34	35	37	38	38	39	39	40	40	40	40	40
Planned Overall Completed		2	4	6	8	13	18	23	28	30	31	31	31	32	32	33	33	33	34	34	34	34	35	35	36	38	40	41	43	43	45
Deliverables																														45	45

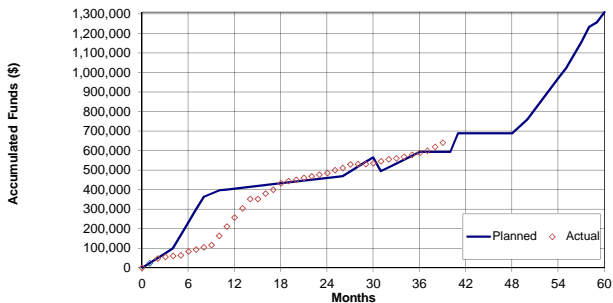
DFR = Draft final report FR = Final report

Phase	Research Task	2014				2015				2016				2017				Total Funds %	Estimated Task Complete																								
		A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N			D	J	F	M																				
I	1. Literature Review	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	40	3	100
	2. Identify CMFs																																									6	100
	3. Survey																																					2	100				
	4. HSM v. RSAP																																					5	100				
	5. Sample Scenarios																																					7	100				
	6. Recommendations																																					4	100				
	7. Prioritized list of CMFs																																					4	100				
	8. Interim Report																																					2	100				
II	9. Develop SPFs																																					7	100				
	10. Develop CMFs																																					15	85				
	11. RSAP Improvements	80	81	82	83	84	84	85	85		10	20	30	40	50	60	70	80	90	100																		3	25				
III	12. Final Report	25	25	25	25	25	25	25	25									25	50	90	Rev	100																1	25				
	13. Urban ROR SFP													10	20	30	40	50	60	70	80	90	100															13	0				
	14. Urban CMFs																																					0	0				
	15. RSAP Improvements																																					2	0				
Actual Overall Completed		53	53	53	54	54	54	54	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	54								
Planned Overall Completed		53	53	53	53	53	53	53	55	58	62	66	70	74	78	83	88	94	96	100																		100	100				
Deliverables																																											

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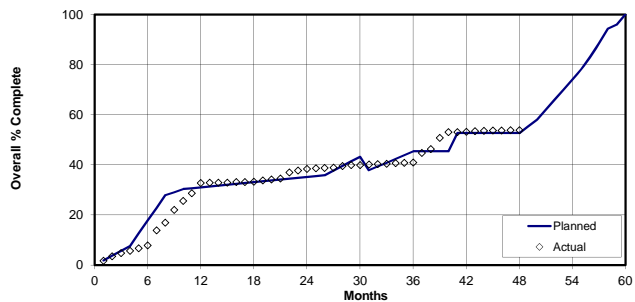
Fig. A -- Overall Project Schedule

Fig. B -- Contract Funds



Funds Expended: 80.08%
 Contract Amount: \$ 1,310,000
 Expended this quarter: \$27,977
 Total expended to date: \$640,614
 Balance: \$669,386

Fig. C -- Contract Progress



Time Expended: 65%
 Start Date: 4/4/2011
 Completion Date: 3/31/2016