

APPENDIX (B)—PROGRAM ACTIVITY—FINANCIAL

PROGRAM ACTIVITY, MAY 1968

ENGINEERING RESEARCH AND DEVELOPMENT

[In thousands of dollars]

Scope of work	Contracts obligated fiscal year—		Planned use, fiscal year 1968 avail- ability	Future funding requirements (3 year)	Contractors and location	Estimated completion, month/year
	1966	1967 1968				
Systems engineering:						
Systems engineering procedures	130	53			Massachusetts Institute of Technology, Cambridge, Mass.	Completed.
Technical evaluation of systems engineering proposals		7			Mitre Corp., Bedford, Mass.	Do.
Specialized engineering support		33			National Bureau of Standards, Washington, D.C.	Do.
Effect of capacity on operating cost		39			Planning Research Corp., Los Angeles, Calif.	Do.
Cost study definition		2			Resource Management Consultants, Inc., Bethesda, Md.	Do.
Parametric cost model theory		199	223		Richard Soberman, Toronto, Canada	Do.
Systems cost relationships		170	621		Resource Management Consultants, Inc., Bethesda, Md.	May 1969.
Technical support of major research programs		621			Mitre Corp., Bedford, Mass.	December 1969.
Systems analysis		2,884	1,747	8	TRW Systems, Redondo Beach, Calif.	May 1969.
Scheduling techniques			78		Massachusetts Institute of Technology, Cambridge, Mass.	December 1968.
Systems engineering				5,000	Contractors to be selected.	
Total	130	3,193 2,567	310	5,000		
High speed railroad R. & D.:						
Research car field testing program:						
Purchase of 4 test cars	1,015	19			Budd Co., Philadelphia, Pa.	Completed
Improvement and maintenance of test track	1,555	30		300	Penn Central Railroad, Philadelphia, Pa.	Continuing.
Simulation of test track operations		35			University of California, Los Angeles, Calif.	Completed.
Modification of test car circuitry		2			General Electric Co., Erie, Pa.	Do.
Design and operation of test car instrumentation	200	608	300		Melpar, Inc., Falls Church, Va.	Continuing.
Operation and maintenance of test cars		250	180	12 1,250	Penn Central Railroad, Philadelphia, Pa.	Do.
Total	2,770	912 572	12	1,550		