

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 (5 year)	Contractors and location	Estimated completion, month/year
	1966	1967 1968				
Unconventional systems R. & D.:						
Tracked air cushion vehicle:						
Aeroglide test data		25	92		Aeroglide, Inc., New York, N.Y.	August 1968.
Self-stabilized air cushion vehicle		8			University of Kentucky, Lexington, Ky	Completed.
Air cushions	45	40	71		MIT, Cambridge, Mass.	September 1968.
Potential of flexible diaphragm air cushion.		72			General Motors Research Labs., Santa Barbara, Calif.	Completed.
Investigation of air cushion seal materials.			10		Johns-Manville, Manville, N.J.	December 1968.
Designs and tests			11		Contractors to be selected.	
			1,434	24,778		
Total	45	145 173	1,445	24,778		
Tube vehicle systems:						
Feasibility of cryopumping		26			Celestial Research Corp., South Pasadena, Calif.	Completed.
Technical background data on gravity vacuum tube system.		3			Tube Transit, Inc., Palo Alto, Calif.	Do.
Feasibility of air-supported vehicles in a nonevacu-ated tube and microwave transmission.	225	323	60	118	Rensselaer Polytechnic Institute, Troy, N.Y.	Feb. 1969.
Aerodynamics of tube vehicle stability	29	85	62		Oceanics, Inc., Plainview, N.Y.	June 1968.
Application of Coanda effect to TACV's and tube sys-tems					Illinois Institute of Technology, Research Institute, Chicago, Ill.	July 1968.
Drag of vehicles in tubes	75	58	44		MIT, Cambridge, Mass.	Sept. 1968.
Research in aerodynamic drag			37		Carnegie-Mellon University, Pittsburgh, Pa.	Dec. 1968.
Long tube resistance to high speed vehicles			10		Ohio State University, Columbus, Ohio.	Do.
Designs and tests			112	18,605	Contractors to be selected.	
Total	335	496 203	240	18,605		
Advanced technology R. & D.:						
Communication and control:						
Literature survey on communications and control of	2				Hughes Aircraft Corp., Fullerton, Calif.	Completed.
USCf.					Environmental Sciences Services Administration, Boulder, Colo.	June 1969.
Feasibility of surface wave guide transmission line		295			Massachusetts Institute of Technology, Cambridge, Mass.	September 1968.
System control requirements	50	27 19				