



# Airport Cooperative Research Program Overview and Current Status

Richard Marchi

ACI-NA

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# Brief History

- Study of need mandated in AIR-21
- TRB report recommended setting up program
- Authorized for a four year pilot program in Vision 100 at \$10 Million per year
- No funding appropriated in f/y '04 budget
- Not included in f/y '05 FAA budget request
- Included in f/y '06 FAA budget request
- Funded at \$3 Million in F/Y 05

# ACRP Administration

- \$\$\$ appropriated to FAA
- FAA contracts with TRB
- ACI-NA establishes non-profit corporation
- ACI-NA and AAAE nominate independent board
- Secretary DoT appoints board
- Board prioritizes research requests
- TRB manages program

# TRB Role

- Assisting the governing board in identifying and prioritizing research needs;
- Appointing and coordinating expert technical panels to guide research projects;
- Developing and distributing Requests for Proposals (RFPs);
- Processing and evaluating proposals to select the best qualified research agencies;
- Executing contracts with the selected researchers;
- Guiding the research
- Reviewing research reports
- Publishing and disseminating research reports; and
- Promoting the application of research results

# Governing Board Composition

- 7 Airports
  - 3 large hub
  - 2 medium hub
  - 2 small, non hub or general aviation
- FAA Administrator
- 5 Others (air carriers, shippers, researchers, suppliers, consultants, universities, labor unions)

# AD Hoc Board Members

(non-voting)

- EPA
- NASA
- TRB
- ACI-NA
- AAAE
- NASAO
- ATA

# Current Status

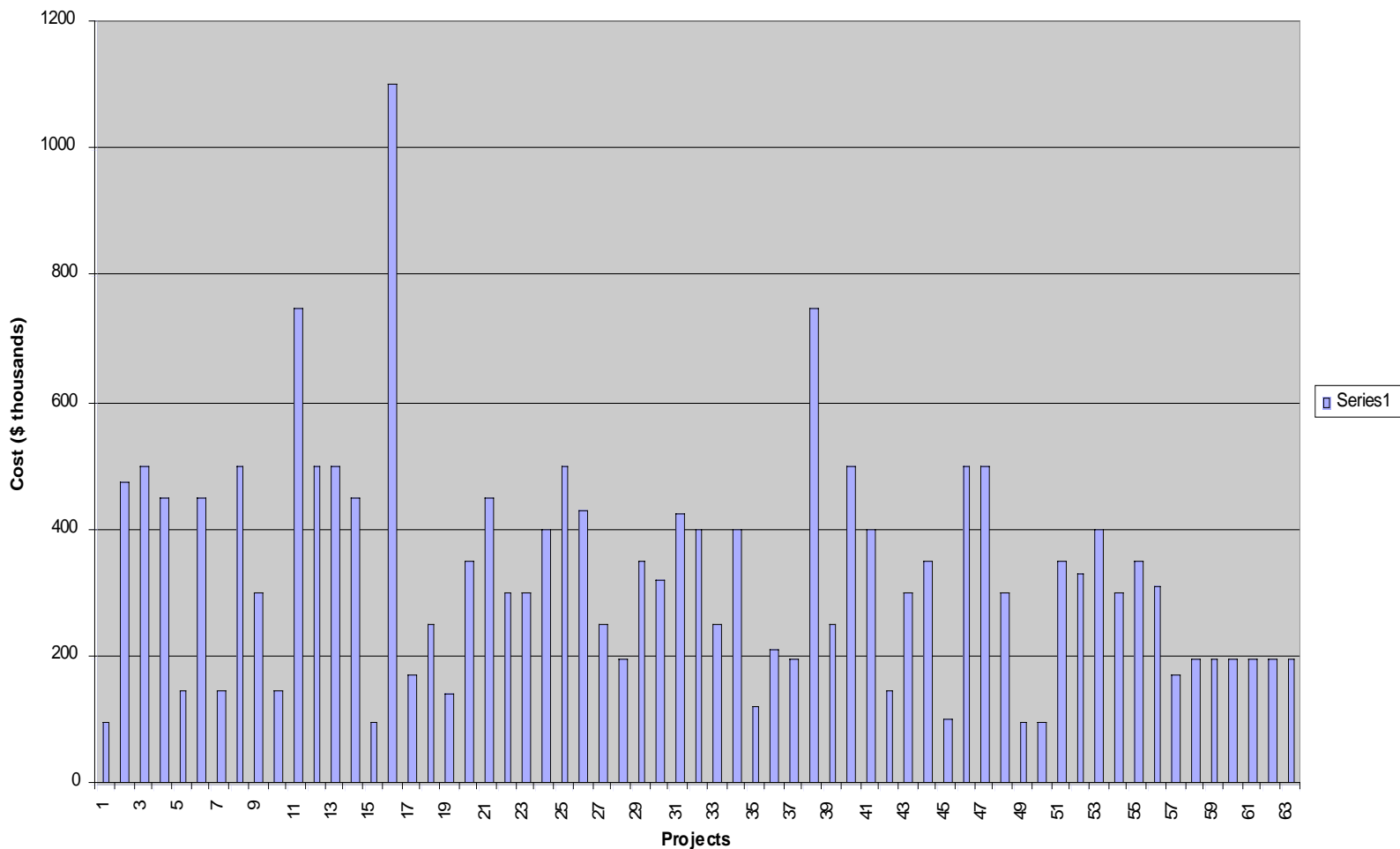
- Not funded in F/Y 04
- FAA providing start-up funding
- TRB conducted research needs solicitation  
85 + projects identified
- \$3 Million appropriated in F/Y 05
- \$10 Million requested in F/Y 06 FAA budget
- Non-profit corporation approach discarded
- FAA/TRB MOA being revised
- Governing board members being identified

# Research Problem Statements

- **Administrative:** congestion, infrastructure management, airspace analysis
- **Environmental:** HAPS, noise, streamlining, deicing toxicity, noise/air tradeoffs
- **Planning:** GIS, forecasting, community relations, land use & zoning, air PAX survey methods, modeling, airport employment survey, offsite terminal guidelines, luggage on mass transit
- **Safety & Security:** off airport disaster planning, terminal & perimeter security, chem/bio preparedness, fuel depot security
- **Design, construction, maintenance, operations:** LED lighting, pavement evaluation, roadway LOS, curb capacity, terminal/curb/garage design, update AC's, infrastructure management, energy efficiency, pavement roughness, NLA, APM's

# ACRP Project Cost Estimates

ACRP Project Cost Estimates



# Next Steps

- Sign MOA
- Secretary appoints Board
- Board meets to rank research requests
- Obtain appropriations for f/y '06 – '07
- Conduct initial research projects
- Prepare evaluation report to Congress