

AAPTP Status

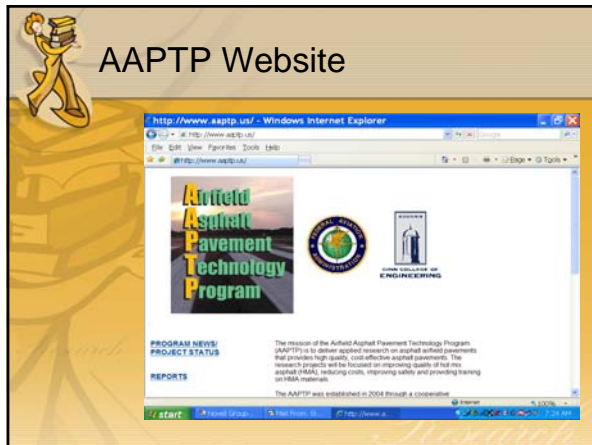
SEAUPG Meeting
November 17-20, 2008
Birmingham, AL



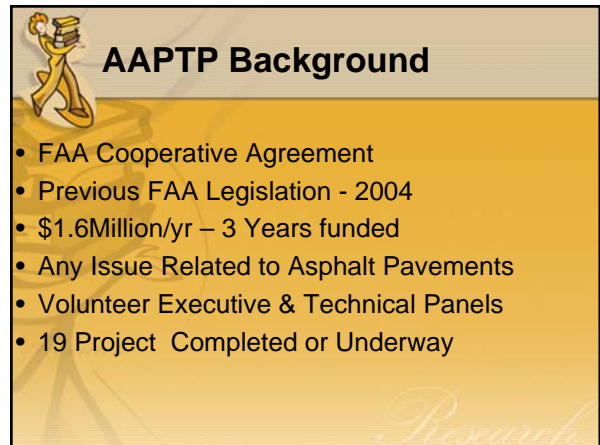

Research Program

A Airfield
A Asphalt
P Pavement
T Technology
P Program

www.AAPT.P.US

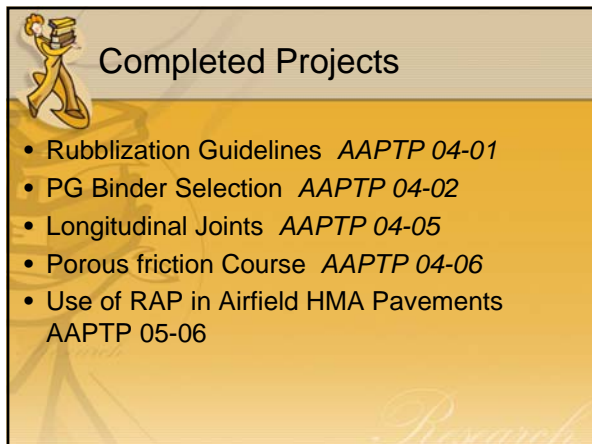


AAPTP Website



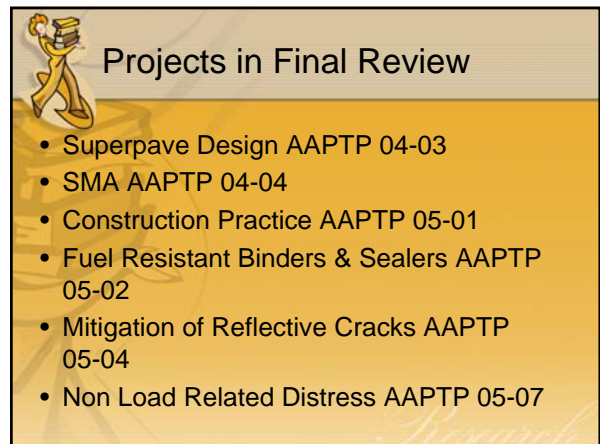
AAPTP Background

- FAA Cooperative Agreement
- Previous FAA Legislation - 2004
- \$1.6Million/yr – 3 Years funded
- Any Issue Related to Asphalt Pavements
- Volunteer Executive & Technical Panels
- 19 Project Completed or Underway



Completed Projects


- Rubblization Guidelines AAPT.P 04-01
- PG Binder Selection AAPT.P 04-02
- Longitudinal Joints AAPT.P 04-05
- Porous friction Course AAPT.P 04-06
- Use of RAP in Airfield HMA Pavements AAPT.P 05-06



Projects in Final Review

- Superpave Design AAPT.P 04-03
- SMA AAPT.P 04-04
- Construction Practice AAPT.P 05-01
- Fuel Resistant Binders & Sealers AAPT.P 05-02
- Mitigation of Reflective Cracks AAPT.P 05-04
- Non Load Related Distress AAPT.P 05-07

2008 SEAUPG CONFERENCE-BIRMINGHAM, ALABAMA




Why APTP is Needed

- Research concentrated on highway pavements
- Airports pavements loads are different than highway pavements
- Critical distresses are different
- Failure consequences different




Research

- NCHRP - \$35 Million/yr
- State Research - \$312 Million/yr
- FHWA - \$36 Million/yr
- APTP & IPRF - \$4 Million/yr
- FAA - \$8 Million/yr
- ACRP - \$10 Million/yr




Pavement Loadings

- Highways
 - 24,000 – 34,000 lb Axle loads
 - 80,000 lb Gross Weight
 - 100-120 psi Tire Pressure
 - Millions of Applications over Defined Wheel path
- Airports
 - 64,000 lb Wheel Loads
 - 1,300,000 Gross Weight
 - 100-240 psi Tire Pressures
 - Thousands of Application over Wide Area



Critical Distress & Consequences

- Highways Distresses
 - Roughness, Rutting, Cracking
- Airport Distresses
 - Raveling, Rutting, Cracking
- Consequences
 - Single incident limited damage and fatalities
 - Single incident considerable damage and major fatalities



Program Summary

- Status and Information Handout
- Program Continuation?
 - No New Starts in 2007 & 2008
 - Authorization – FAA operating under Continuing Resolution since Oct 2007
 - Yearly Appropriations increasingly difficult



Questions?



www.APTP.US