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- TO: South Dakota Aeronautics Commission
- FROM: Jack Dokken, Program Manager Office of Air, Rail, and Transit
- DATE: September 15, 2017
- SUBJECT: 2018 Proposed State Projects

The FAA Airports District Office has suggested that South Dakota secure a 2018 grant for a state aviation system plan update. It has been about eight years since the completion of our current system plan, and FAA guidance provides for an update every ten years.

This system plan is used to guide the state through airport projects so work is done systemically, rather than piecemeal. Factors to consider might be storage of large aircraft, turf runways, fuel systems, weather reporting, etc. A request for proposal would be issued this fall, with a consultant being selected sometime in the spring. Commission participation will be crucial at that time.

Also in 2018, another pavement condition index (PCI) survey will be conducted. PCI surveys are done every three years - the last one was done was in 2015. These surveys along with subsurface surveys provide important information regarding the condition and remaining life of airport surfaces. They are normally included in the engineering reports provided to FAA to justify and guide pavement rehabilitation and reconstruction.





SAFETY & SECURITY OBJECTIVES

- Clear Approaches to Runway Ends
 - Maintain clear runway approaches
- Emergency Response Plans
 - Develop a plan appropriate to the size and operation of the airport
- Controlled Airfield Access
 - Control airfield by using means appropriate to the size and operation of the airport (i.e. gates, fencing, etc.)



MAINTENANCE & DEVELOPMENT OF INFRASTRUCTURE OBJECTIVES

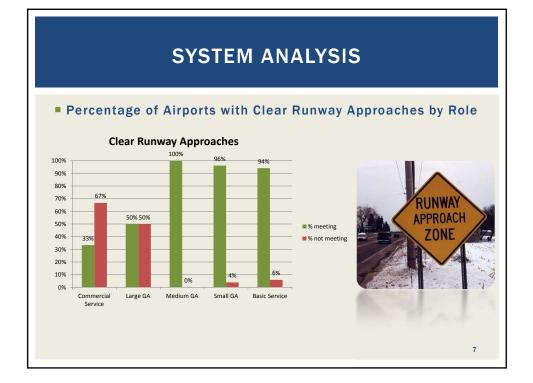
- Facility Targets
 - Targets have been identified for each airport role
- Service Targets
- Targets have been identified for each airport role
- Pavement PCI
 - Maintain system pavement (runways, taxiways, aprons) at a score of 70 or greater

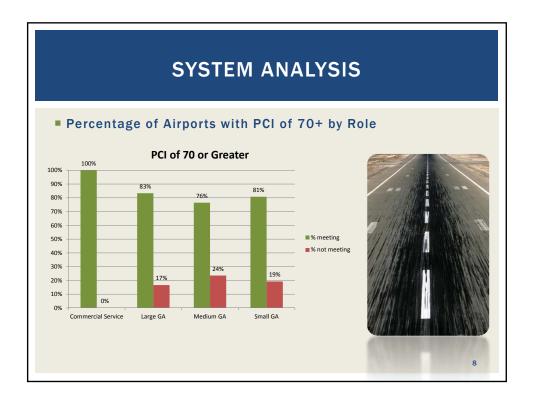


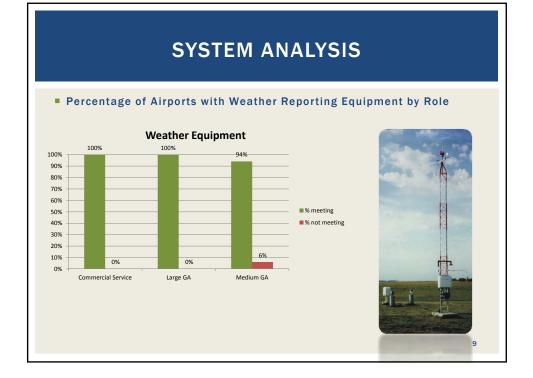




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FACILITY TARGETS

Landside

- Covered aircraft storage
- Overnight storage for business aircraft
- Adequate Aircraft Apron Area
- Terminal/Admin Building
- Paved Entry/Terminal Parking







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- Jobs
- Personal Income
- Business Sales
- Sturgis Motorcycle Rally
 - Jobs
 - Personal Income
 - Business Sales
- Agricultural Spraying
 - Jobs
 - Personal Income
 - Business Sales
- Airport Construction
 - Jobs
 - Personal Income
 - Construction Expenditures/Sales

1,198 \$25,634,000 \$82,905,000

47 \$1,181,000 \$3,729,000

311 \$10,536,000 \$31,984,000

430 \$17,958,000 \$57,796,000



These numbers include spinoff effects



TRENDS & TECHNOLOGY

Aircraft Trends

- Light Sport Aircraft
- Very Light Jets
- Unmanned Aerial Vehicles
- Fueling Trends
 - Biofuels

Sustainability Practices

- Construction Material Recycling
- Airfield Lighting
- Green Building Construction
- Alternative Energy Sources



