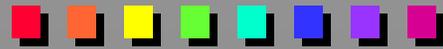




PLANNING OPTIONS FOR YOUR AIRPORT

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■ “The overall object is to plan,
■ manage, and design airports
■ so that they can respond
■ flexibly to the unknown,
■ uncertain future conditions.” *



*AIRPORT SYSTEMS PLANNING, DESIGN & MANAGEMENT
Richard de Neufville / Amedeo Odoni



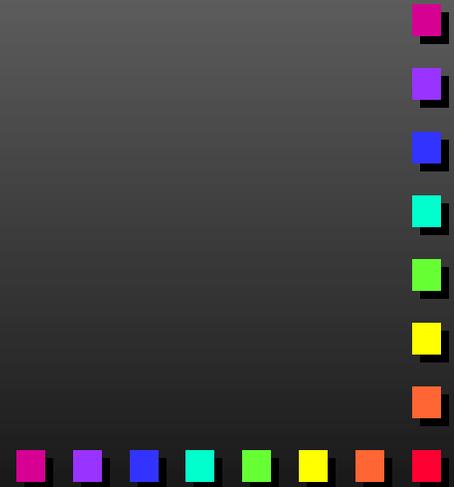
Airport Planning Process

- Characteristics of the Planning Process
 - Realistic, implementable & flexible
 - Direct, open communication
 - Solution-oriented & pragmatic
 - Interactive
 - Balances community values & priorities with aviation & economic development needs



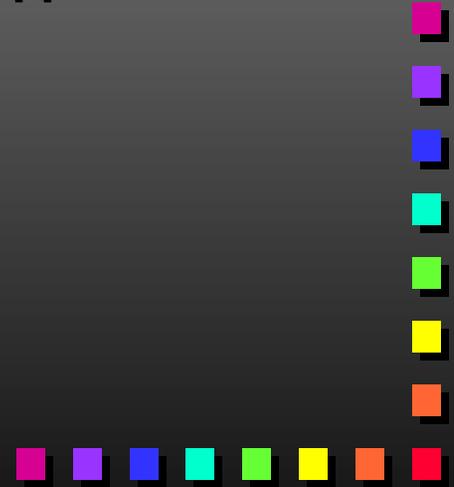
Why Plan?

- Prevent mistakes
- Anticipate change
- Protect your investment
- Conceptual roadmap
- Rationale for decision-making
- Support for funding



When Should You Plan?

- Before you need to
- Before it's too late
- When conditions change
- When previous plans have been implemented



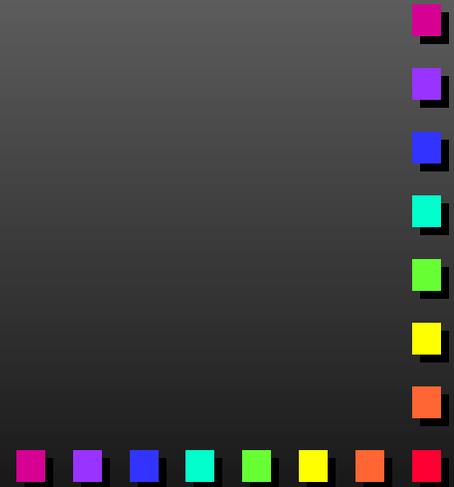
What a Plan Can Provide

- Guidelines for future airport development
- Graphic representation of existing & ultimate development
- Priorities and phasing
- Pertinent supporting information
- Coordination/public involvement



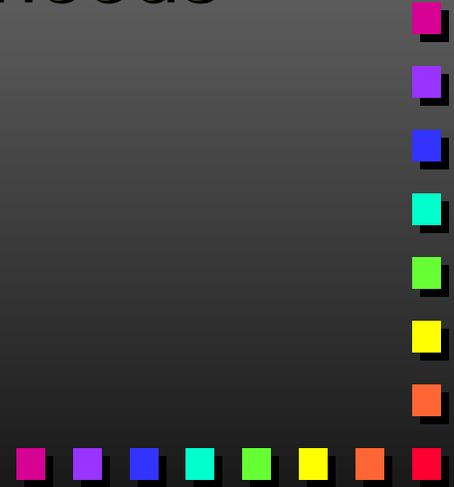
What Are Your Planning Needs?

- General development or redevelopment
- New types or levels of activity
- Additional capacity
- Environmental concerns
- Air service
- Existing deficiencies
- New strategic direction



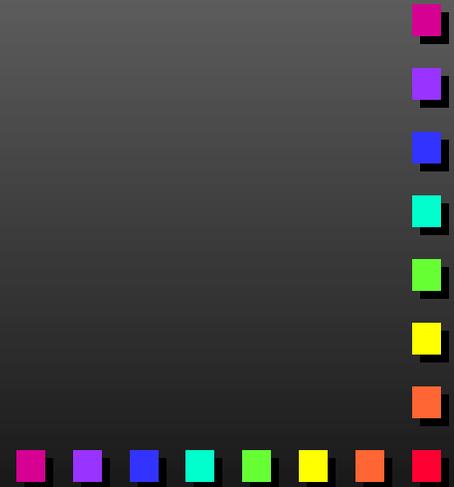
What Type of Plan Do You Need?

- Focus on specific airport needs
- Tailor the study to the individual airport
- One size does not fit all
- Several options depending on needs

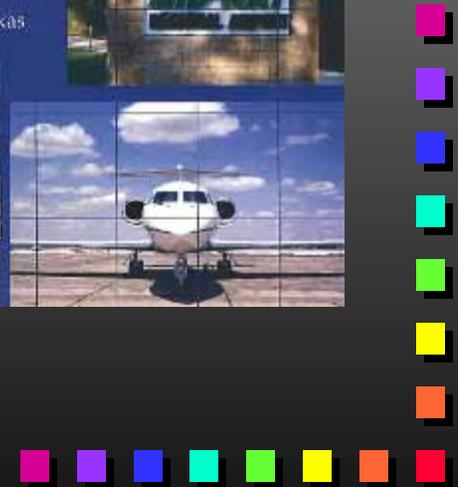
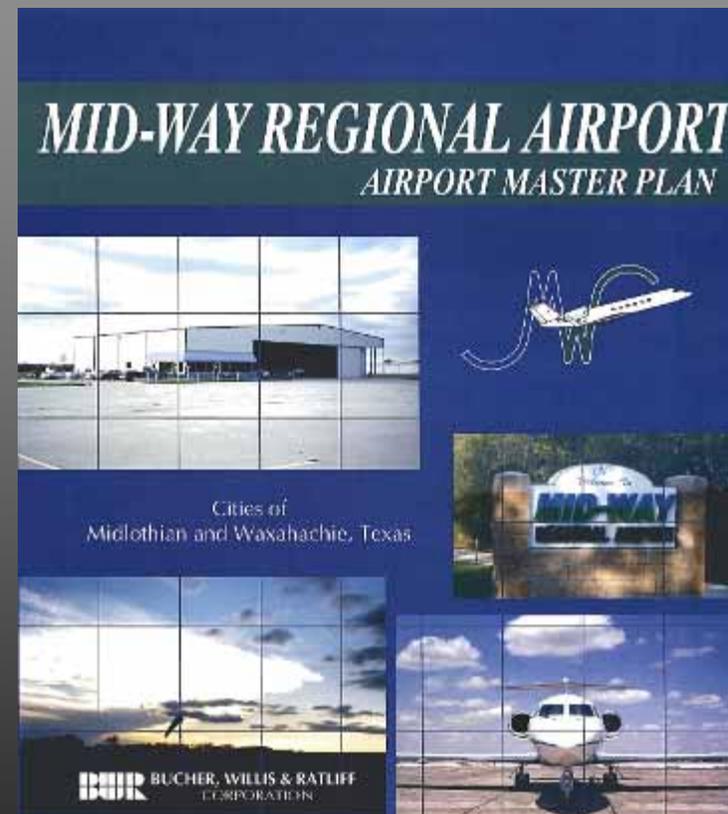


Some Planning Options

- Airport Master Plan
- Airport Development Plan
- Airport Layout Plan
- Terminal Area Plan



Airport Master Plan



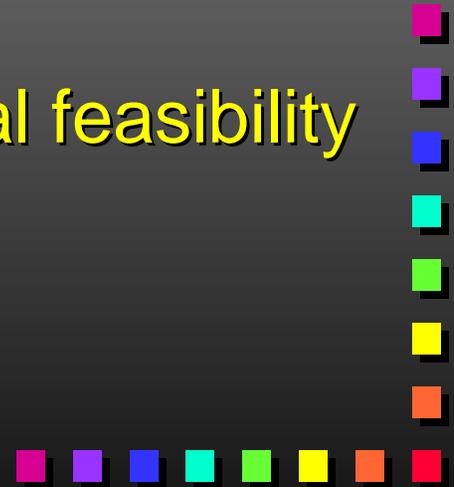
Airport Master Plan

- AC 150/5070-6B ch 1, adopted 1 May 2007
- Generally for more complex airports & problems
- Concept for ultimate development
- Provides guidelines for future development
- Comprehensive, long-range



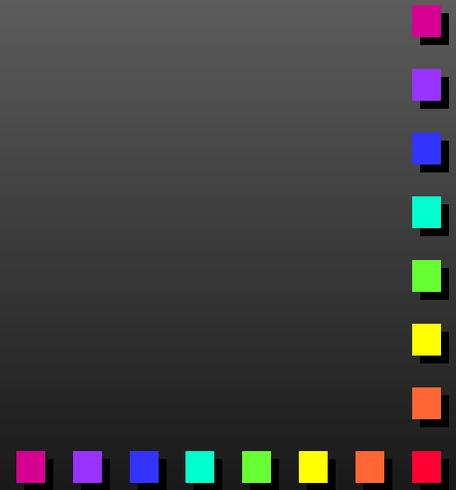
Airport Master Plan

- Guide for:
 - Developing the physical facilities
 - Developing land on or adjacent to the airport
 - Determining environmental effects of airport development
 - Establishing economic & financial feasibility
 - Establishing priorities & phasing



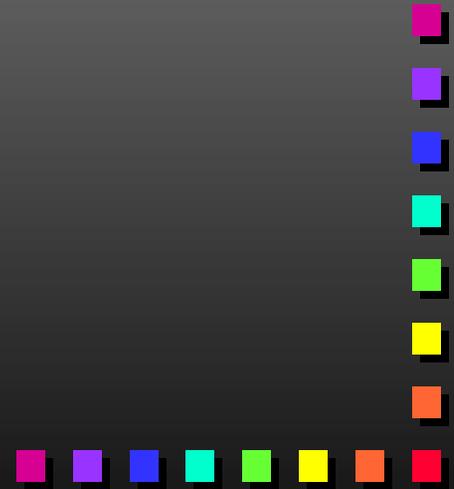
Airport Master Plan Elements

- Inventory of existing facilities
- Forecast of future activities
- Demand/capacity analysis
- Facility requirements
- Public involvement

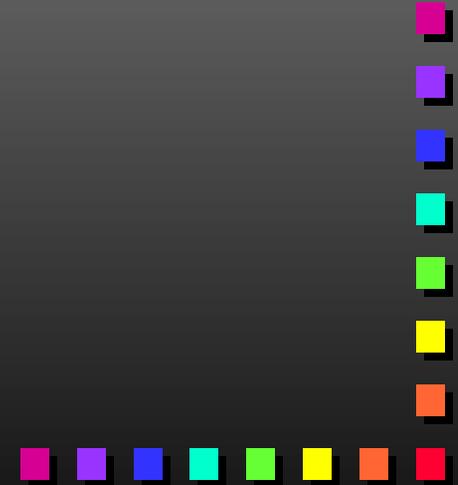
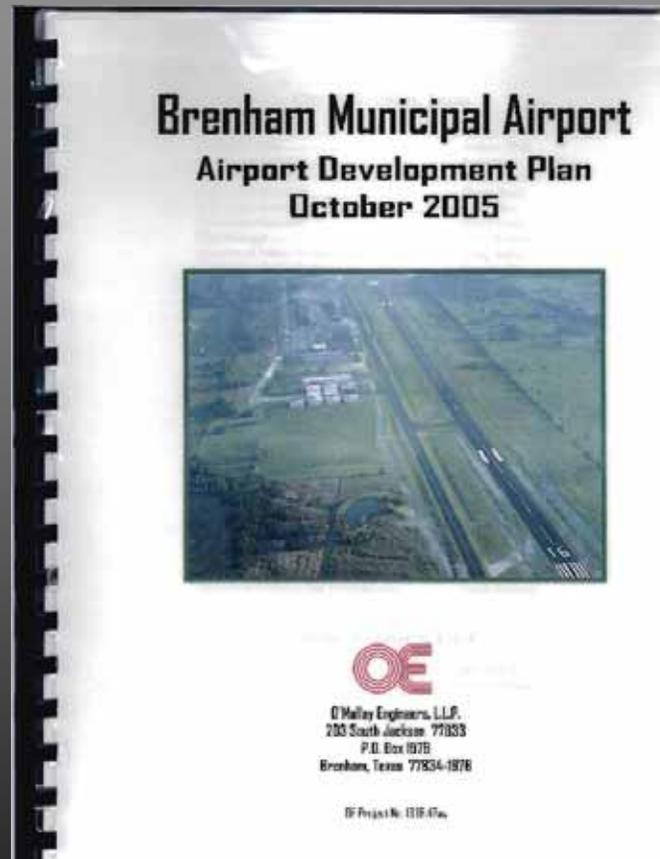


Airport Master Plan Elements

- Alternatives analysis
- Environmental analysis
- Implementation plan including phasing & development cost estimates
- Airport Layout Plan
- Public involvement

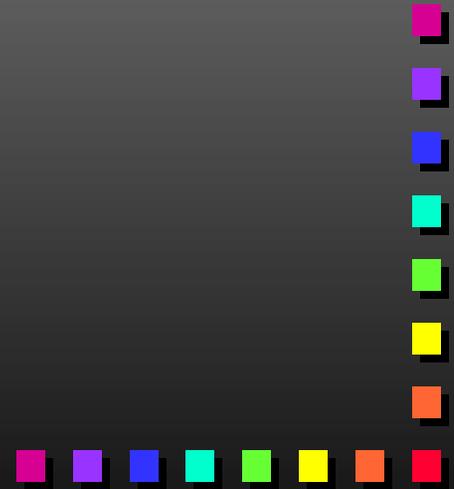


Airport Development Plan



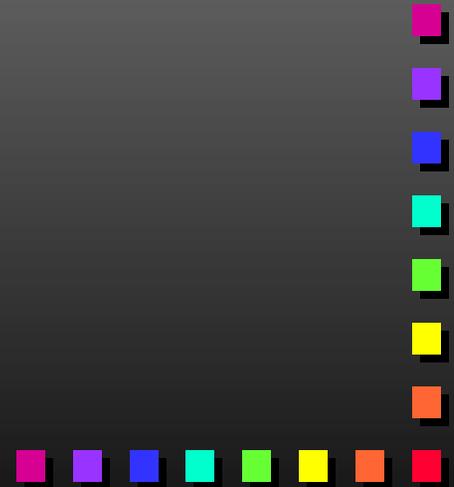
Airport Development Plan

- Less complexity than AMP
- Shorter time horizon
- Focus on immediate concerns & issues
- Immediately implementable
- Doesn't ignore long term



Airport Development Plan Elements

- Inventory
- Forecast of activity – focus on 0-5 year
- Facility requirements
- Environmental overview
- Capital improvement plan
- Management analysis
- Airport Layout Plan



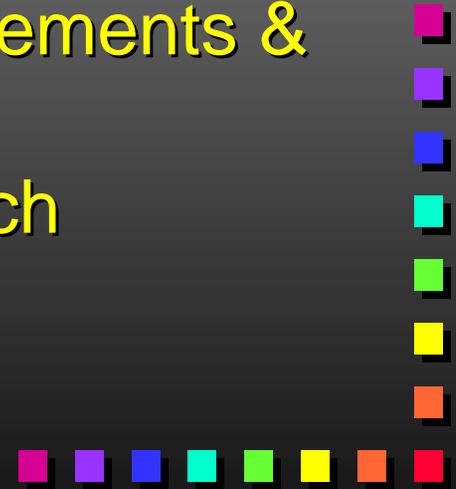
Airport Layout Plan

- Elements defined in Appendix F of FAA AC 150/5070-6B
- Current ALP required per grant assurances
- Graphically depicts current & future airport facilities
- Support for approach procedure requests
- Alternative to full AMP



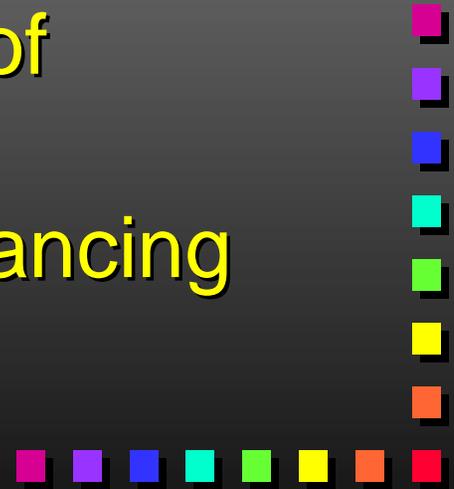
Airport Layout Plan

- Guidelines for airport sponsor to ensure that development meets design standards & safety requirements
- Public document that serves as a record of aeronautical requirements
- Enables sponsor to plan for improvements & anticipate budgetary needs
- Tool to protect airspace for approach procedures



Airport Layout Plan Elements

- Narrative Report
 - Basic aeronautical forecasts
 - Basis for proposed development
 - Rationale for unusual design features
 - Summary of various stages of development
 - Facility implementation & financing plan

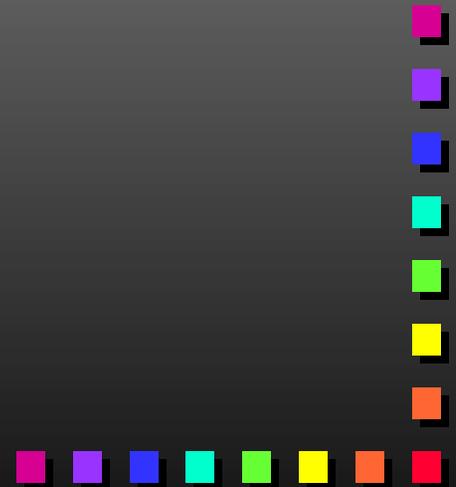
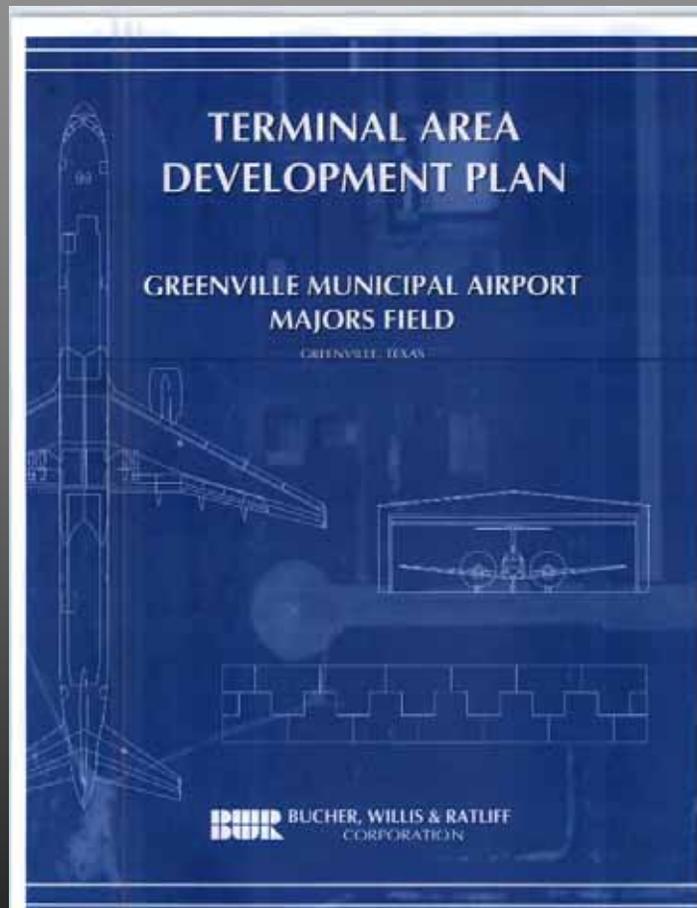


Airport Layout Plan Elements

- Cover sheet
- Airport Layout Drawing
- Terminal Area Drawing
- Airport Airspace Drawing
- Inner Portion of the Approach Surface Drawing
- Land Use Drawings
- Airport Property Map
- Other drawings as necessary



GA Terminal Area Plan



GA Terminal Area Plan

- Focus on landside
- Balance between passenger needs & operational efficiency
- Limited forecasting
- Should reflect Sponsor's vision of the airport
- Identifies development options

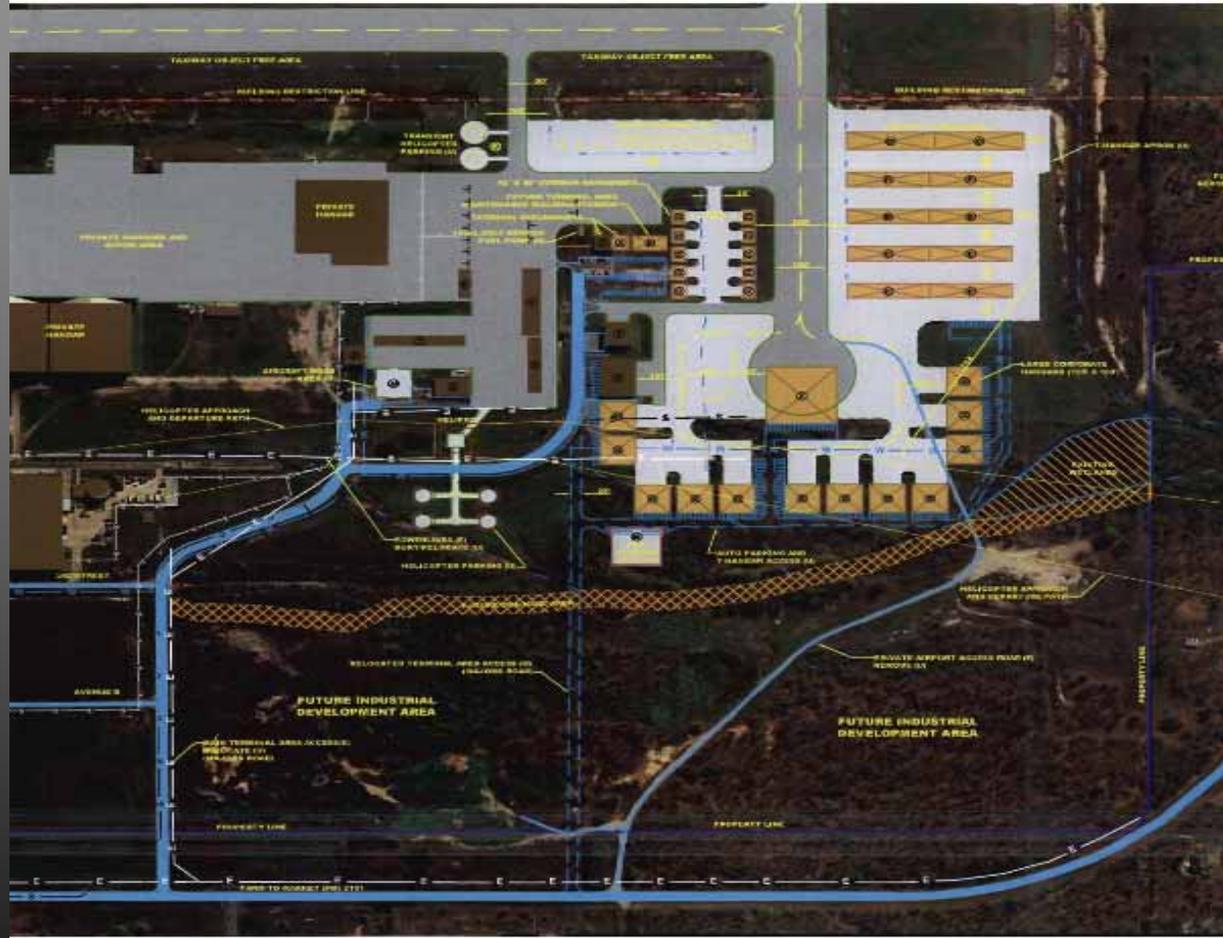


GA Terminal Area Plan

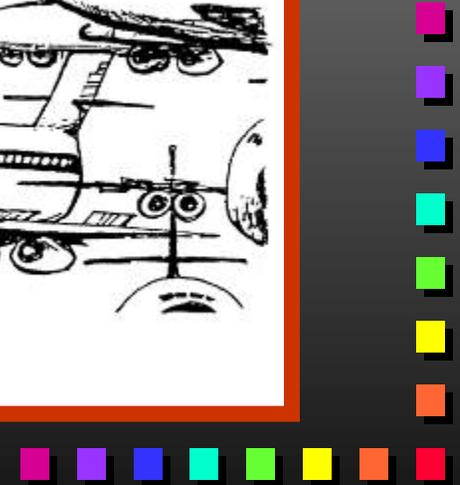
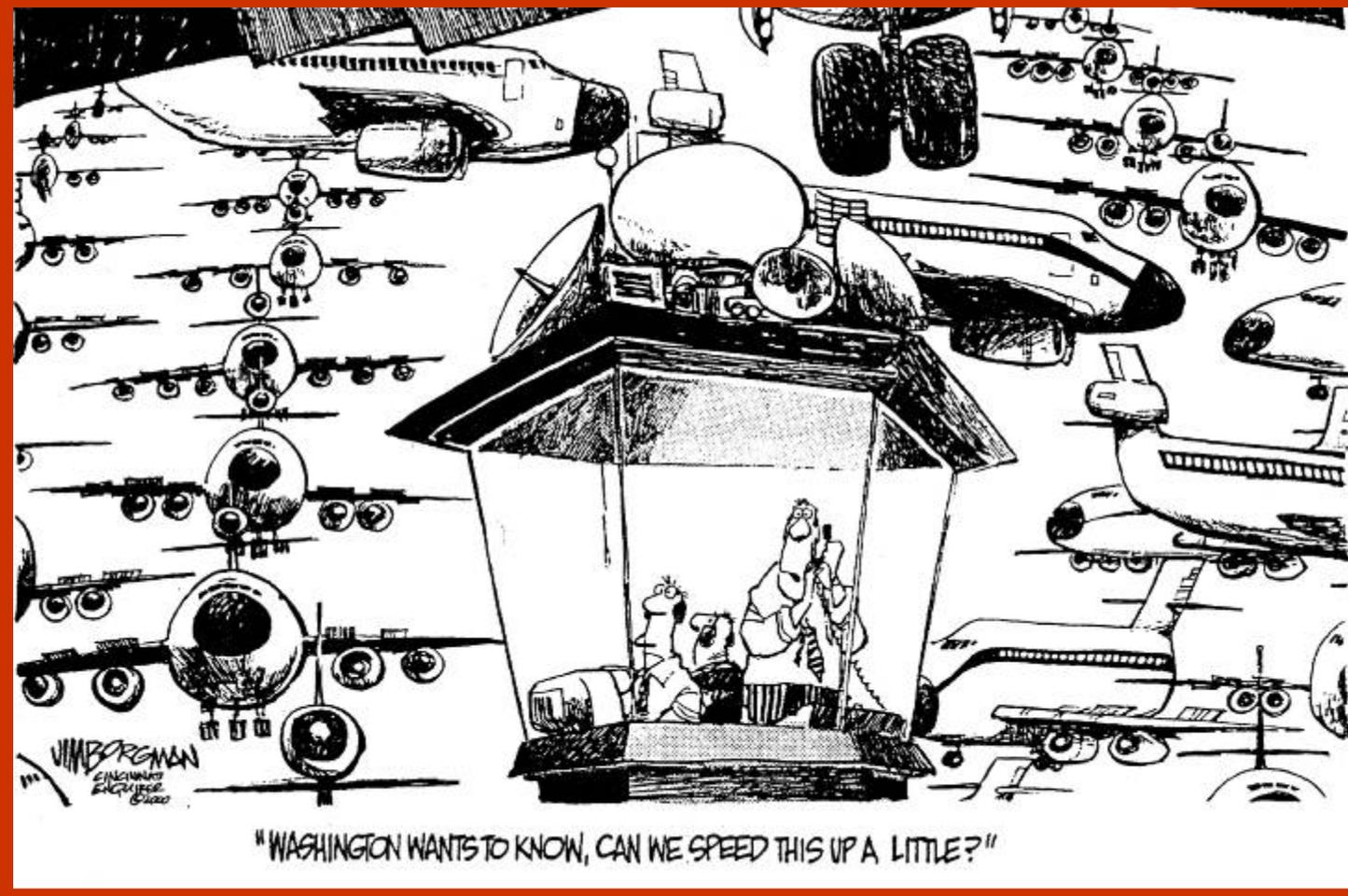
- Aircraft storage facilities
- Transient aircraft parking aprons
- Terminal facilities
- Fuel facilities
- Specific requirements based on airport's role in the system & local needs
- Timing & cost of development



GA Terminal Area Plan



Failing to Plan = Planning to Fail



Questions?

