

State Priority Ranking System for Airport Projects

Priority Category	Rank ¹	Definition	Infrastructure Components	Sample Project Titles
Safety	1	Safety projects include the minimum development or equipment that is required by federal regulation, airport certification procedures, necessary for the safety of individuals or property at the airport, or design standards intended primarily for the protection of human life.	<ul style="list-style-type: none"> • 20:1 State and FAR Part 77 approach surfaces, and/or TSS³ • TERPS⁴ approach surfaces for runway ends with instrument approaches • Runway Safety Areas (RSAs) • Object Free Areas (OFAs) or Zones (OFZs) • Primary windsock • Emergency response plans • ARFF equipment, vehicles, facilities (as required by 14 CFR Part 139) 	<ul style="list-style-type: none"> • <i>Land Acquisition for Obstruction Removal</i> • <i>Obstruction Survey and Design</i> • <i>Obstruction clearing/removal</i> • <i>Windsock, Remove and Replace</i> • <i>Tree Removal</i> • <i>ROFA Land Acquisition</i> • <i>Runway Safety Area Improvements</i> • <i>Acquire Aircraft Rescue & Fire Fighting Vehicle</i>
Security	2	Security projects include the minimum development or equipment that is required by federal regulation for maintaining airport security.	<ul style="list-style-type: none"> • Perimeter fencing • Apron lighting • Gates and controlled access systems • Security plans 	<ul style="list-style-type: none"> • <i>Wildlife Security Fence Construction</i> • <i>Security Fencing</i> • <i>Security Improvements</i>
Pavement Preservation/Maintenance	3	Pavement preservation projects include maintenance, rehabilitation, or reconstruction of existing airfield pavements.	<ul style="list-style-type: none"> • Runways • Taxiways • Aprons • Taxilanes • Connectors • Pavement markings • Surface treatments • Crack and joint repairs 	<ul style="list-style-type: none"> • <i>Preliminary Runway Rehabilitation Study</i> • <i>Runway 2/20 Reconstruction: Preliminary Design Study</i> • <i>T/W and Apron Rehabilitation Final Design thru Bid</i> • <i>T-Hangar Pavement Rehabilitation - Final Design / Bid</i> • <i>Apron Rehabilitation Construction</i> • <i>Runway & Taxiway Rehabilitation</i>
Infrastructure Preservation	4	Infrastructure preservation projects include preservation or replacement of existing infrastructure, not including pavements.	<ul style="list-style-type: none"> • Runway and taxiway lighting systems • Existing PAPIs, REILs, and other NAVAIDS • Electrical vaults • Drainage structures • Existing hangars • Existing fueling facilities • Rotating beacons • Existing communication equipment • Existing on-property utilities 	<ul style="list-style-type: none"> • <i>PAPI/REIL Replacement</i> • <i>Hangar Preservation: Construction</i> • <i>Design/Bid: Replace Taxiway Lighting System</i> • <i>Runway Lighting - Design/Bid</i> • <i>Drainage Improvements - Construction</i> • <i>Above Ground Fuel Tanks - Design Through Bid</i> • <i>Rehabilitate Hangar</i>
Standards	5	Standards projects include the minimum development, equipment, or land required for adherence to, or due to a change in, federal design or construction standards.	<ul style="list-style-type: none"> • RPZ land • Runway-taxiway separation • Direct access to runway from apron • Spill containment • Runway line-of-sight • FAR Part 77 surfaces (other than Approach) 	<ul style="list-style-type: none"> • <i>Construction of Taxiway Connector</i> • <i>RPZ Land Acquisition</i> • <i>Taxiway Relocation - Design</i> • <i>Partial Parallel Taxiway Final Design (Standards)</i> • <i>Secondary Containment of Mobile Refuelers</i>

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Planning	6	Planning projects include, but are not limited to master plans, regional plans, state system plans, and environmental studies, as more thoroughly listed in Appendix E of the AIP Handbook.	<ul style="list-style-type: none"> • Airport Layout Plans (ALPs) • Exhibit "A"s • Master Plans • Wildlife Hazard Assessment (WHA) • Environmental reviews • SPCC program 	<ul style="list-style-type: none"> • <i>ALP Update with AGIS Survey and Narrative</i> • <i>Wildlife Hazard Assessment</i> • <i>Property Environmental Study</i> • <i>Master Plan Update</i>
Capacity / Modernization	7	Capacity projects include the minimum development or equipment that is required to reduce delay or improve an airport or system of airports for the primary purpose of maintaining access or accommodating more passengers, cargo, aircraft operations, or based aircraft, or allow access to a broader fleet mix. Upgrades of existing airside infrastructure that is in a safe and operable condition otherwise.	<ul style="list-style-type: none"> • New/expanded pavements • New or extended taxiways • New terminals • Site development • Runway extensions • Upgraded technologies for functioning infrastructure • New PAPIs, REILs, and other NAVAIDs • Utilities upgrade or expansion • Security surveillance systems & cameras 	<ul style="list-style-type: none"> • <i>New Terminal Design</i> • <i>Airfield LED Lighting: Construction</i> • <i>Taxiway Expansion Design</i> • <i>Apron Expansion</i> • <i>Land Acquisition to Relocate AWOS</i> • <i>Terminal Building Renovations</i>
Equipment	8	Maintenance equipment required by the airport for planned, preventative, and routine grounds maintenance necessary to provide a safe, well-ordered, and secure airport environment.	<ul style="list-style-type: none"> • Grounds maintenance equipment • Utility/Residential Terrain Vehicles (UTVs & RTVs) • Mowers/tractors • Bush hogs 	<ul style="list-style-type: none"> • <i>Grounds Maintenance Equipment</i> • <i>Maintenance Vehicle</i> • <i>Mowing Equipment</i>
Landside Improvements	9	All development on airport property that does not meet the definition of airside needs/development ² .	<ul style="list-style-type: none"> • Access roads • Auto parking lots • Landside airport signs • sidewalks 	<ul style="list-style-type: none"> • <i>Auto Parking Lot Resurfacing</i> • <i>Entrance Road and Parking Lot Rehabilitation</i> • <i>Corporate Hangar Access Road</i> • <i>Airport Entrance Sign</i>
Revenue Producing	10	Per 49 U.S.C. § 47102(24), fuel farms, hangar buildings, self-service credit card aeronautical fueling systems, airplane wash racks, major rehabilitation of a hangar owned by a sponsor, or other aeronautical support facilities that the FAA or TDOT determines will increase the revenue producing ability of the airport.	<ul style="list-style-type: none"> • New T-hangars • New corporate hangars • Fuel farms and related fueling facilities • Self-service fuel kiosks 	<ul style="list-style-type: none"> • <i>T-Hangar Construction</i> • <i>100 LL Fuel System (Construction)</i> • <i>Self Fueling System/24 hour</i> • <i>80' x 80' Hangar Design</i>

¹ Ranking is based on 1 being the highest priority and most important, 10 is the lowest priority and least important.

² **Airside Needs/Development** - All development within the areas accessible to aircraft including runways, taxiways, aprons, and aircraft gates and the land adjacent to these facilities required by current FAA standards.

³ TSS – Threshold Siting Surface

⁴ TERPS - Terminal Instrument Procedures