

Project Title: Air Traffic Control Tower

Type: Airport

Activity #94332172

Project Description

This project consists of the construction of an aircraft control tower to coordinate arriving and departing traffic. Operations at the airport are expected to grow in the future years requiring the need for services to enhance the safe arrival and departure of aircraft operating at the many different speeds. The benefit cost of an Air Traffic Control Tower is currently being reviewed as part of the Phase 2 Master Plan Update.

Project Purpose

Construct an aircraft control tower to coordinate the safe arrival and departure of aircraft operating in the airport traffic area.

Estimated Schedule

Design and Right of Way Acquisition	2026
Construction	2027

Funding Sources

Transportation Sales Tax	\$340,800
State/Federal	\$6,475,200
Total Lifetime Budget	\$6,816,000

Estimated Annual Operating and Maintenance

\$500,000

Project Title: Crackseal & Sealcoat Apron

Type: Airport

Activity #77432185

Project Description

This project consists of the cracksealing and sealcoating the north asphalt apron area. This pavement receives a crackseal and sealcoat application about every 10-years to extend the life of the pavement and reduce Foreign Object Damage (FOD) to aircraft.

Project Purpose

Extend the life of the pavement and reduce FOD damage to aircraft from loose asphalt as required by Federal Aviation Administration safety standards. Meet FAA Assurances of pavement maintenance requirements.

Estimated Schedule

Design and Right of Way Acquisition	2023
Construction	2023

Funding Sources

Transportation Sales Tax	13,400
State/Federal	120,600
Total Lifetime Budget	134,000

Estimated Annual Operating and Maintenance

No change to current maintenance costs.

Project Title: Hangar 2

Type: Airport

Activity #896.32472

Project Description

This project is the construction of a additional new 40,000 SF box hangar to be constructed as part of the new development of the terminal area on the east side of Runway 18-36 for the purpose of storing aircraft. The budget includes 20,000 SF of office space (two story 10,000 SF each). 10,000 SF will be dedicated for terminal space with the remaining available for rent.

Project Purpose

The Airport provides aircraft storage facilities for various size aircraft. This project would provide additional storage space for large corporate aircraft which the Airport currently only has one hangar facility that is capable to perform this function. Hangar 1 on the westside of the Airport is full and unable to handle any additional aircraft. This facility is a revenue generator that is expected to pay for itself over the life of the facility. This facility will also be used for terminal and office space.

Estimated Schedule

Design and Right of Way Acquisition	2023
Construction	2024

Funding Sources

Transportation Sales Tax	\$3,750,000
Other Funding	\$6,000,000
Total Lifetime Budget	\$9,750,000

Estimated Annual Operating and Maintenance

\$40,000.00

Project Title: Land Acquisition ALP Properties Phase 3

Type: Airport

Activity #56532185

Project Description

This project involves the purchase of approximately 10 acres of land and 5 acres of avigation easement for future airport development, runway safety areas, and runway protection zones. Over \$1.6 million of the funding comes from federal grants, with local funds coming from the Airport Construction Fund. Two avigation easements remain to be acquired.

Project Purpose

This land is required to provide for future airport development, runway safety areas, and runway protection zones. The land is necessary to preserve the ability of the airport to develop in the future as the surrounding areas are developing. The properties to be acquired are shown on the Airport Layout Plan approved in March 2000 and the Airport Business Plan approved in 2010.

Estimated Schedule

Design and Right of Way Acquisition	2021-2024
Construction	N/A

Funding Sources

Transportation Sales Tax	\$130,000
State/Federal	\$12,470,000
Total Lifetime Budget	\$2,600,000

Estimated Annual Operating and Maintenance

\$3,000

Project Title: New Airport SRE (Equipment Maintenance/Storage Facility)

Type: Airport

Activity #17732472

Project Description

This project includes a new Airport Equipment Maintenance/Storage facility to be constructed as part of the new. The location of the facility will be determined as part of the Master Plan Update. This project includes the funding for infrastructure development for the Airport Equipment Facility.

Project Purpose

The relocation of the west parallel taxiway resulted in the demolition of two rows of existing hangars, some of which were used for equipment storage and maintenance. This project provides the new facility to replace the existing spaces that were lost.

Estimated Schedule

Design and Right of Way Acquisition	2025
Construction	2025

Funding Sources

Transportation Sales Tax	\$694,000
Total Lifetime Budget	\$694,000

Estimated Annual Operating and Maintenance

\$16,000

Project Title: New Fuel Farm Facility

Type: Airport

Activity #17832472

Project Description

This project includes a new fuel farm facility to be constructed as part of the new development of the terminal area and hangars on the east side of Runway 18-36.

Project Purpose

The relocation and construction of the middle section of Taxiway A results in the demolition of the existing fuel facility. This project replaces the fuel facility.

Estimated Schedule

Design and Right of Way Acquisition	2026
Construction	2026

Funding Sources

Transportation Sales Tax	\$1,880,000
Total Lifetime Budget	\$1,880,000

Estimated Annual Operating and Maintenance

No change to current maintenance costs.

Project Title: New Fuel Self Serve Facility

Type: Airport

Activity #56732185

Project Description

This project includes the replacement of the two existing underground fuel tanks and dispensing systems that are located North and East of the existing Terminal building. Both tanks would be replaced with above ground self contained automated dispensing fuel systems. The two existing tanks must be removed as part of the construction of the Middle Section of Taxiway A project as well as the removal of the existing Terminal building project. One of the existing underground tanks will be over 40-years old and the other 35-years by the time they are replaced. Both existing tanks are of the age that they are subject to denile of their annual operations renewal by the State Agriculuture Department.

Project Purpose

The construction of the middle section of Taxiway Alpha and the relocation of the existing Terminal building to the east side of the Airport results in the requirement of the removal of the two underground fuel systems. This project provides the replacement of two new fuel dispensing systems that will be removed.

Estimated Schedule

Design and Right of Way Acquisition	2027
Construction	2027

Funding Sources

Transportation Sales Tax	\$450,000
Total Lifetime Budget	\$450,000

Estimated Annual Operating and Maintenance

\$3,500

Project Title: North Drainage Ditch

Type: Airport

Activity #94432172

Project Description

This project consists of enhanced stabilization of the north drainage ditch and installation of a dry detention basin, from the storm sewer end sections north of Taxiway A1 to the northern perimeter fence.

Project Purpose

The existing swale was reinforced using recycled concrete pavement during the Taxiway relocation project in 2018, however sediment levels in quarterly outfall tests regularly exceed the maximum allowable concentration of Total Suspended Solids. As an effort to enhance the mitigation of suspended solids, this project will entail the installation of a dry detention basin at the low end of the swale and additional stabilization in critical areas.

Estimated Schedule

Design and Right of Way Acquisition	2023
Construction	2023

Funding Sources

State/Federal Funds	\$110,000
Total Lifetime Budget	\$110,000

Estimated Annual Operating and Maintenance

No change to current maintenance costs.

Project Title: Reseal Joint and Marking of Runway 11-29 and Taxiway Bravo

Type: Airport	Activity #70932172
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Project Description

This project consists of the removal and replacement of joint material, spalling repairs and remarking for Runway 11-29 and Taxiway Bravo.

Project Purpose

The existing concrete for both of these pavements are over twenty-eight years old and as part of the airport's pavement maintenance program the joint seal material requires replacement periodically throughout the life of the pavement. Daily pavement inspections provide feedback on the condition of pavement conditions. Based on observations of both of these pavements they are nearing that period which will require the replacement of the joint seal material, spall repair of any concrete areas that are breaking up and remarking of the pavement. Similar work was performed on both of these pavements over the last 10 years.

Estimated Schedule

Design and Right of Way Acquisition	2023
Construction	2023

Funding Sources

Transportation Sales Tax	\$65,000
State/Federal	\$665,000
Total Lifetime Budget	\$730,000

Estimated Annual Operating and Maintenance

\$1,500

Project Title: Reseal Joint and Marking of South Apron

Type: Airport	Activity #71032172
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Project Description

This project consists of the removal and replacement of joint seal material, spall repairs and remarking of South Apron area.

Project Purpose

The existing concrete apron is over nineteen years old and as part of the airport's pavement maintenance program the joint seal material requires replacement periodically throughout the life of the pavement. Daily pavement inspections provide feedback on the condition of pavement conditions. Based on observations this apron area is nearing that period which will require the replacement of the joint seal material, and spall repair of any concrete areas that are breaking up as well as the remarking of the pavement. Activity on this apron was light to moderate until the purchase of Hangar 1 in late 2016. This apron area now handles the majority of all transient traffic including all corporate jet aircraft traffic. This work is necessary to prevent Foreign Object Damage (FOD) from becoming an issue which could result in damage to jet aircraft engines.

Estimated Schedule

Design and Right of Way Acquisition	2024
Construction	2024

Funding Sources

Transportation Sales Tax	\$ 17,200
State/Federal	\$154,800
Total Lifetime Budget	\$172,000

Estimated Annual Operating and Maintenance

\$1,500

Project Title: Reseal Joint and Marking of Taxiway Charlie and East Apron

Type: Airport	Activity #71132172
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Project Description

This project consists of the removal and replacement of joint seal material, spall repair and remarking of Taxiway Charlie and East Apron.

Project Purpose

The existing concrete pavement for taxiway Charlie and East apron are over nine years old and as part of the airport's pavement maintenance program the joint seal material requires replacement periodically throughout the life of the pavement. Daily pavement inspections provide feedback on the condition of pavement conditions. Based on observations this taxiway is nearing that period which will require the replacement of the joint seal material, spall repair of any concrete areas that are breaking up and remarking of the pavement. This work also includes the marking of the pavement. Construction traffic activity over the last two years crossing sections of the pavement to access construction sites has advanced the need for the planned repairs stated.

Estimated Schedule

Design and Right of Way Acquisition	2025
Construction	2026

Funding Sources

Transportation Sales Tax	\$39,600
State/Federal	\$356,400
Total Lifetime Budget	396,000

Estimated Annual Operating and Maintenance

\$800

Project Title: Runway 29 Part 77 Grading

Type: Airport

Activity #89732185

Project Description

This project is safety related and consist of the grading of an area on the southeast side of Runway 11/29 to meet Federal Aviation Administration (FAA) criteria for runway safety areas.

Project Purpose

Since the construction of Runway 11/29 in 1991 the FAA has changed their criteria for side slope clearance from a 7to1 slope to a 4to1 slope. The area in this project is designed to correct the slope clearance needed and to meet FAA safety standards.

Estimated Schedule

Design and Right of Way Acquisition	2026
Construction	2026

Funding Sources

Transportation Sales Tax	\$107,900
State/Federal	\$971,100
Total Lifetime Budget	\$1,079,000

Estimated Annual Operating and Maintenance

\$2000.00

Project Title: Site Development – East Side Terminal Area

Type: Airport	Activity #47732185
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Project Description

This project consists of the construction of infrastructural to support development of the east side Terminal area.

Project Purpose

Provide infrastructural development of the East Terminal area to support development of the new Hangar 2 / Terminal space and aviation facilities in the south quadrant. Improvements consist of water, sewer, gas, road access and parking area.

Estimated Schedule

Design and Right of Way Acquisition	2023
Construction	2024

Funding Sources

Transportation Sales Tax	\$2,653,000
Total Lifetime Budget	\$2,653,000

Estimated Annual Operating and Maintenance

\$600

Project Title: Site Development – Northeast Side

Type: Airport

Activity #17232172

Project Description

This project consists of the construction of infrastructure to support development of aviation facilities and hangars on the northeast side of the Airport.

Project Purpose

This project will provide infrastructure for the development of the Airport's northeast side to support the building development of future aviation facilities and hangars. The improvements consist of grading, water, sanitary sewer, gas, access road, and parking area.

Estimated Schedule

Design and Right of Way Acquisition	2026
Construction	2027

Funding Sources

Transportation Sales Tax	\$347,600
State/Federal	\$3,128,400
Total Lifetime Budget	\$3,476,000

Estimated Annual Operating and Maintenance

\$600

Project Title: Taxiway Alpha Pavement Markings

Type: Airport

Activity #77632185

Project Description

This project consists of the removal and remarking of taxiway Alpha. This project consists of the removal and remarking of taxiway Alpha. Markings must be removed and remarked on a periodical basis to maintain the integrity of the markings and reduce Foreign Object Damage (FOD) from paint flaking. The markings are repainted as needed throughout the five-year period. Paint buildup from repeated remarkings over a period of five years requires the entire removal of the markings and new markings be put down.

Project Purpose

Maintain the taxiway in a safe manor as required by Federal Aviation Administration safety standard inspections. Meet FAA Assurances for pavement maintenance requirements.

Estimated Schedule

Design and Right of Way Acquisition	2024
Construction	2024

Funding Sources

Transportation Sales Tax	10,800
State/Federal	97,200
Total Lifetime Budget	108,000

Estimated Annual Operating and Maintenance

No change to current maintenance costs.

Project Title: Tree/Obstruction Removal North of RW 18/36, Part 77

Type: Airport	Activity #77732185
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Project Description

This project consists of the removal trees that become an obstruction to air navigation off the North end of Runway 18/36. The trees are in an Avigation easement area acquired as part of the land acquisition for Runway 18/36. Growth of the trees over a period of years will result in them reaching a height that will be deemed by the Federal Aviation Administration as obstructions that must be removed.

Project Purpose

Maintain the airspace off the North end of Runway 18/36 in a safe manor as required by Federal Aviation Administration safety standard inspections. Meet FAA Assurances for protection of airspace in the approach ends of runways as the trees reach a height to be considered an encroachment into the airspace.

Estimated Schedule

Design and Right of Way Acquisition	2025
Construction	2025

Funding Sources

Transportation Sales Tax	14,300
State/Federal	128,700
Total Lifetime Budget	143,000

Estimated Annual Operating and Maintenance

No change to current maintenance costs.

**Project Title: Tree/Obstruction Removal RW 18/36
Lots 1 & 2**

Type: Airport	Activity #77832185
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Project Description

This project consists of the removal trees that become an obstruction to air navigation within the Runway Protection Zone (RPZ) off the South end of Runway 18/36. The trees are in an Avigation easement and RPZ areas acquired as part of the land acquisition for Runway 18/36. The trees impact the approaches to Runway 36 and are required to be removed by the Federal Aviation Administration as they are deemed to be an obstruction to the approach.

Project Purpose

Maintain the airspace off the South end of Runway 18/36 in a safe manor as required by Federal Aviation Administration safety standard inspections. Meet FAA Assurances for protection of the airspace in the approach ends of runways.

Estimated Schedule

Design and Right of Way Acquisition	2025
Construction	2025

Funding Sources

Transportation Sales Tax	7,000
State/Federal	133,000
Total Lifetime Budget	140,000

Estimated Annual Operating and Maintenance

No change to current maintenance costs.

Project Title: Tree Removal in South Avigation Easement Area

Type: Airport	Activity #71232172
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Project Description

This project consists of the removal of trees and any obstructions deemed as hazards to aviation by the Federal Aviation Administration (FAA) from property involved with the of avigation easements on ALP Properties Phase 3 acquisition.

Project Purpose

This project is required to provide for future airport runway safety areas, and runway protection zones. The tree removal is the final phase of the ALP Properties Phase 3 land acquisition to remove obstructions in the avigation easement area. The properties associated with the tree removal are shown on the Airport Layout Plan approved in March 2000.

Estimated Schedule

Design and Right of Way Acquisition	2024
Construction	2024

Funding Sources

Transportation Sales Tax	\$30,000
State/Federal	\$270,000
Total Lifetime Budget	\$300,000

Estimated Annual Operating and Maintenance

\$0

Project Title: Update Airport Master Phase 2

Type: Airport

Activity #77932185

Project Description

This project consist of the second phase of the development of a new Airport Master Plan. Completion of many of the Airport improvement projects by 2020 warrants the need to update and develop a new Airport Master Plan.

Project Purpose

The Master Plan is split into two phases by the Federal Aviation Administration and State Aviation Department due to budget constraints. Phase 2 will provide FAA deliverables such as Airports GIS Survey and Aerial Imagery, Airport Layout Plan (ALP), and the Exhibit A Property Map. The document will need to be reviewed and updated by 2021 to address the many changes that have taken place at the Airport since their inception and provide guidance for the future.

Estimated Schedule

Design and Right of Way Acquisition

2021-2022

Construction

N/A

Funding Sources

Transportation Sales Tax

\$22,000

State/Federal

\$382,000

Total Lifetime Budget

\$404,000

Estimated Annual Operating and Maintenance

\$0

Project Title: East Side Self Service Fuel

Type: Airport

Activity #89832472

Project Description

This project involves the installation of self-service aviation fuel islands on the East side of the Airport.

Project Purpose

This project is designed to address the need for self-service aviation fuel islands for aircraft based on the east side as development takes place in this area of the Airport. Once growth begins on the East side it becomes necessary to provide fuel services to based and transient customers using facilities on this side of the Airport. As a safety issue, fueling facilities on this side of the airport would eliminate the need for aircraft traffic to cross runways for self-service fuel facilities on the west side of the Airport.

Estimated Schedule

Design and Right of Way Acquisition	2025
Construction	2025

Funding Sources

Transportation Sales Tax	\$200,000
Total Lifetime Budget	\$200,000

Estimated Annual Operating and Maintenance

\$2,500.00