

Department Project Summary Sheet

Department: Winchester Regional Airport

New and Carry Over (*Modified and Unmodified*) Project Requests:

Dept Priority	Project Title	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	TOTAL CIP COST
1	New GA Terminal	380,000	3,330,000						3,710,000
2	Fuel Storage Facility Design/Build	1,000,000							1,000,000
3	North Side Svc Road		400,000						400,000
4	Taxiway "A" Relocation - Design/Construction		200,000	4,650,000	1,250,000	1,250,000	2,300,000		9,650,000
5	Land Parcel 64 A 64 - Hott	275,000							275,000
6	Land Parcel 64 A 60 - Cooper	275,000							275,000
7	Land Parcel 64 A 59 - Kyle						300,000		300,000
8	Land Parcel 64B A 52 - Lee						300,000		300,000
9									
10									
TOTALS		1,930,000	3,930,000	4,650,000	1,250,000	1,250,000	2,900,000		15,910,000

Individual Project Description and Justification Form

Project Name: New GA Terminal Building, Site Work and Parking Lot - Design/Build

Department: Winchester Regional Airport

Department Contact Person: Serena (Renny) Manuel

Phone Number: (540) 662-5786 Email: okmanuel@comcast.net

Location of Project: Winchester Regional Airport Magisterial District: Shawnee

Department Project #:

Project Description: Give a brief (1-2) paragraph description of what the project includes. Provide basic information, such as the location, size, acreage, floor area, capacity, etc.

The Winchester Regional Airport proposes construction of a new general aviation terminal building. The new facility will be constructed in a new location slightly south of the existing terminal building.

Project Justification:

Please describe the need for this project and justify the proposed location of the project.

Since its opening in the early 1990s, the general aviation terminal building for the Winchester Regional Airport has had only limited interior work completed. Interior repairs are necessary due to extensive usage and some damage from water leaking from the roof prior to its replacement in the Spring of 2006 by necessity. The heating and cooling systems are approaching 25 years in age and are nearing the end of their useful life. The exterior of the terminal building is made from drivet that has failed in many areas and is generally in fair to poor condition. In addition, the windows are not energy efficient and several of the window seals have failed.

In 2008, a preliminary study was completed to examine needs and costs to renovate the existing terminal building. After review of the study, the WRAA determined it would be more economical to build a new energy efficient building slightly east of the existing terminal. The proposed location of the project will allow enough room to build out a new transient apron during the taxiway relocation project.

Legal Requirement:

Is the project required in order to meet a State or Federal mandate or some other legal requirement?

NO

Conformance to the Comprehensive Plan:

Does the project conform to, or contribute to the attainment of the goals and objectives of the Comprehensive Plan? Is the project consistent with established policies?

The relocation of Taxiway "A" necessitates the need to demolish the existing terminal building at its current location. This project conforms to the latest Airport Layout Plan Update (adopted by Frederick County BOS October 2005) and is consistent with established local, FAA and State policies.

Public Health, Safety or Welfare:

Does the project improve conditions affecting health, safety or welfare? Does it eliminate a clear health or safety risk?

NO

Construction Schedule: If the project will take several years to complete, outline the schedule here. Be sure to include any work that might have been done in previous years, including studies or other planning.

The relocation of Taxiway "A" necessitates the need to demolish the existing terminal building at its current location. This project conforms to the latest Airport Layout Plan Update (Master Plan adopted by Frederick County BOS - October 2005) and is consistent with established local, FAA and State policies. The project will be scheduled depending on availability of State funding program.

Estimate Cost (in 2016 dollars):

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
Planning, Surveying & Design	380,000							380,000
Land Acquisition								
Site Preparation & Improvements		1,250,000						1,250,000
Construction		2,000,000						2,000,000
Furniture and Equipment		80,000						80,000
Other								
TOTAL	380,000	3,330,000						3,710,000

Basis of Cost Estimates: Check one of the following. *If you want to provide more detailed information on the estimate, please do so in the space provided.*

Cost of comparable facility or equipment

From cost estimate provided by an engineer, architect, or vendor

From bids received

"Preliminary" estimate, (e.g. no other basis for estimate, guesstimate)

Other (please explain)

Source of Funding: Indicate the projected amount for each funding source.

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
General Fund	99,750	874,125						973,875
Other Fund	33,250	291,375						324,625
State Grants	247,000	2,164,500						2,411,500
Federal Grants	0	0						
Bonds and Debts								
Other Fund Raising								
TOTAL	380,000	3,330,000						3,710,000

Please describe the source of funding (i.e. type of grant):

- 0% Federal Aviation Administration
- 65% Virginia Department of Aviation
- 35% Local funds

% based on Weldon Cooper data published Jan

Frederick County	75.0%
City of Winchester	25.0%



2017 - 2018 Capital Improvements Plan

Individual Project Description and Justification Form

Project Name: Fuel Storage Facility

Department: Winchester Regional Airport

Department Contact Person: Serena (Renny) Manuel

Phone Number: (540) 662-5786 Email: okvmanuel@comcast.net

Location of Project: Winchester Regional Airport Magisterial District: Shawnee

Department Project #:

Project Description: Give a brief (1-2) paragraph description of what the project includes. Provide basic information, such as the location, size, acreage, floor area, capacity, etc.

Construct new fuel storage facility for expansion and to meet current DEQ and EPA regulations

Project Justification:

Please describe the need for this project and justify the proposed location of the project.

When the taxiway "A" midfield section is relocated to meet current FAA safety design standards it will cause an encroachment into the current fuel farm site. The current site does not allow for future expansion or upgrades to meet DEQ and/or EPA regulations.

Legal Requirement:

Is the project required in order to meet a State or Federal mandate or some other legal requirement?

Yes, once Taxiway "A" is relocated the existing fuel farm will be within close proximity to the taxi object free area and will not meet FAA airport design standards. A new fuel storage facility will meet all current DEQ and EPA requirements.

Conformance to the Comprehensive Plan:

Does the project conform to, or contribute to the attainment of the goals and objectives of the Comprehensive Plan? Is the project consistent with established policies?

A new fuel storage facility conforms to the latest Airport Layout Plan Update (Master Plan adopted by Frederick County BOS October 2005) and is consistent with established local, FAA and State policies.

Public Health, Safety or Welfare:

Does the project improve conditions affecting health, safety or welfare? Does it eliminate a clear health or safety risk?

NO

Construction Schedule: If the project will take several years to complete, outline the schedule here. Be sure to include any work that might have been done in previous years, including studies or other planning.

The design/construction phases will be done within the same year. Start of project is dependent upon FAA and/or Virginia Department of Aviation funding program

Estimate Cost (in 2016 dollars):

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
Planning, Surveying & Design	100,000							100,000
Land Acquisition								
Site Preparation & Improvements								
Construction	900,000							900,000
Furniture and Equipment								
Other								
TOTAL	1,000,000							1,000,000

Basis of Cost Estimates: Check one of the following. *If you want to provide more detailed information on the estimate, please do so in the space provided.*

Cost of comparable facility or equipment

X

From cost estimate provided by an engineer, architect, or vendor

From bids received

"Preliminary" estimate, (e.g. no other basis for estimate, guesstimate)

Other (please explain)

Source of Funding: Indicate the projected amount for each funding source.

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
General Fund	15,000							15,000
Other Fund	5,000							5,000
State Grants	80,000							80,000
Federal Grants	900,000							900,000
Bonds and Debts								
Other Fund Raising								
TOTAL	1,000,000							1,000,000

Please describe the source of funding (i.e. type of grant):

- 90% Federal Aviation Administration
- 8% Virginia Department of Aviation
- 2% Local funds

% based on Weldon Cooper data published Jan

Frederick County	75.0%
City of Winchester	25.0%

Individual Project Description and Justification Form

Project Name: Acquire Land - Bufflick Road, Parcel 64 A 60 (Cooper, D)

Department: Winchester Regional Airport

Department Contact Person: Serena (Renny) Manuel

Phone Number: (540) 662-5786 Email: okvmanuel@comcast.net

Location of Project: Winchester Regional Airport Magisterial District: Shawnee

Department Project #:

Project Description: Give a brief (1-2) paragraph description of what the project includes. Provide basic information, such as the location, size, acreage, floor area, capacity, etc.

The Winchester Regional Airport Authority proposes to acquire Parcels 64 A 60 (Cooper, David) on Bufflick Road to meet FAA design standards for Runway 14 Safety Area. These parcels are critical to airport development because of the close proximity within or near the airport primary surfaces.

Project Justification:

Please describe the need for this project and justify the proposed location of the project.

Under the FAA Part 77 Surface Requirements and the Code of Virginia 15.2e, the airport is required to own fee simple property located within the Primary Surfaces. There are currently more than 120 aircraft based at the Winchester Regional Airport. The owners and passengers of these aircraft will have the benefit of increased safety on the airport once the parcels are acquired and vertical obstructions are minimized.

Legal Requirement:

Is the project required in order to meet a State or Federal mandate or some other legal requirement?

The project involves land acquisition to improve the primary surfaces with the Runway Protection Zone and bring the airport up to meet the Federal Aviation Administration safety design standards.

Conformance to the Comprehensive Plan:

Does the project conform to, or contribute to the attainment of the goals and objectives of the Comprehensive Plan? Is the project consistent with established policies?

The relocation of Taxiway "A" conforms to the latest Airport Layout Plan Update (adopted by Frederick County BOS October 2005) and is consistent with established local, FAA and State policies.

Public Health, Safety or Welfare:

Does the project improve conditions affecting health, safety or welfare? Does it eliminate a clear health or safety risk?

The project aims to reduce safety risks at the airport by acquiring land within the primary surface. The airport will then work to bring this portion of the primary surface up to FAA standards for increased safety.

Construction Schedule: If the project will take several years to complete, outline the schedule here. Be sure to include any work that might have been done in previous years, including studies or other planning.

N/A

Estimate Cost (in 2016 dollars):

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
Planning, Surveying & Design	20,000							20,000
Land Acquisition	255,000							255,000
Site Preparation & Improvements								
Construction								
Furniture and Equipment								
Other								
TOTAL	275,000							275,000

Basis of Cost Estimates: Check one of the following. *If you want to provide more detailed information on the estimate, please do so in the space provided.*

Cost of comparable facility or equipment

From cost estimate provided by an engineer, architect, or vendor

From bids received

"Preliminary" estimate, (e.g. no other basis for estimate, guesstimate)

Other (please explain)

Source of Funding: Indicate the projected amount for each funding source.

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
General Fund	4,103							4,103
Other Fund	1,397							1,397
State Grants	22,000							22,000
Federal Grants	247,500							247,500
Bonds and Debts								
Other Fund Raising								
TOTAL	275,000							275,000

Please describe the source of funding (i.e. type of grant):

- 90% Federal Aviation Administration
- 8% Virginia Department of Aviation
- 2% Local funds

% based on Weldon Cooper data published Jan

Frederick County	74.6%
City of Winchester	25.4%

Individual Project Description and Justification Form

Project Name: Acquire Land - Bufflick Road, Parcel 64 A 52 (Lee)

Department: Winchester Regional Airport

Department Contact Person: Serena (Renny) Manuel

Phone Number: (540) 662-5786 Email: okvmanuel@comcast.net

Location of Project: Winchester Regional Airport Magisterial District: Shawnee

Department Project #:

Project Description: Give a brief (1-2) paragraph description of what the project includes. Provide basic information, such as the location, size, acreage, floor area, capacity, etc.

The Winchester Regional Airport Authority proposes to acquire Parcels 64 A 52 (Lee) on Bufflick Road to meet FAA design standards for Runway 14 Safety Area. These parcels are critical to airport development because of the close proximity within or near the airport primary surfaces.

Project Justification:

Please describe the need for this project and justify the proposed location of the project.

Under the FAA Part 77 Surface Requirements and the Code of Virginia 15.2e, the airport is required to own fee simple property located within the Primary Surfaces. There are currently more than 120 aircraft based at the Winchester Regional Airport. The owners and passengers of these aircraft will have the benefit of increased safety on the airport once the parcels are acquired and vertical obstructions are minimized.

Legal Requirement:

Is the project required in order to meet a State or Federal mandate or some other legal requirement?

The project involves land acquisition to improve the primary surfaces with the Runway Protection Zone and bring the airport up to meet the Federal Aviation Administration safety design standards.

Conformance to the Comprehensive Plan:

Does the project conform to, or contribute to the attainment of the goals and objectives of the Comprehensive Plan? Is the project consistent with established policies?

The relocation of Taxiway "A" conforms to the latest Airport Layout Plan Update (adopted by Frederick County BOS October 2005) and is consistent with established local, FAA and State policies.

Public Health, Safety or Welfare:

Does the project improve conditions affecting health, safety or welfare? Does it eliminate a clear health or safety risk?

The project aims to reduce safety risks at the airport by acquiring land within the primary surface. The airport will then work to bring this portion of the primary surface up to FAA standards for increased safety.

Construction Schedule: If the project will take several years to complete, outline the schedule here. Be sure to include any work that might have been done in previous years, including studies or other planning.

N/A

Estimate Cost (in 2016 dollars):

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
Planning, Surveying & Design			20,000					20,000
Land Acquisition			280,000					280,000
Site Preparation & Improvements								
Construction								
Furniture and Equipment								
Other								
TOTAL			300,000					300,000

Basis of Cost Estimates: Check one of the following. *If you want to provide more detailed information on the estimate, please do so in the space provided.*

Cost of comparable facility or equipment

From cost estimate provided by an engineer, architect, or vendor

From bids received

"Preliminary" estimate, (e.g. no other basis for estimate, guesstimate)

Other (please explain)

Source of Funding: Indicate the projected amount for each funding source.

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
General Fund			4,290					4,290
Other Fund			1,710					1,710
State Grants			24,000					24,000
Federal Grants			270,000					270,000
Bonds and Debts								
Other Fund Raising								
TOTAL			300,000					300,000

Please describe the source of funding (i.e. type of grant):

- 90% Federal Aviation Administration
- 8% Virginia Department of Aviation
- 2% Local funds

% based on Weldon Cooper data published Jan

Frederick County	74.6%
City of Winchester	25.4%

Individual Project Description and Justification Form

Project Name: Acquire Land - Bufflick Road, Parcel 64 A 59 (Kyle)

Department: Winchester Regional Airport

Department Contact Person: Serena (Renny) Manuel

Phone Number: (540) 662-5786 Email: okvmanuel@comcast.net

Location of Project: Winchester Regional Airport Magisterial District: Shawnee

Department Project #:

Project Description: Give a brief (1-2) paragraph description of what the project includes. Provide basic information, such as the location, size, acreage, floor area, capacity, etc.

The Winchester Regional Airport Authority proposes to acquire Parcels 64 A 59 (Kyle) on Bufflick Road to meet FAA design standards for Runway 14 Safety Area. These parcels are critical to airport development because of the close proximity within or near the airport primary surfaces.

Project Justification:

Please describe the need for this project and justify the proposed location of the project.

Under the FAA Part 77 Surface Requirements and the Code of Virginia 15.2e, the airport is required to own fee simple property located within the Primary Surfaces. There are currently more than 120 aircraft based at the Winchester Regional Airport. The owners and passengers of these aircraft will have the benefit of increased safety on the airport once the parcels are acquired and vertical obstructions are minimized.

Legal Requirement:

Is the project required in order to meet a State or Federal mandate or some other legal requirement?

The project involves land acquisition to improve the primary surfaces with the Runway Protection Zone and bring the airport up to meet the Federal Aviation Administration safety design standards.

Conformance to the Comprehensive Plan:

Does the project conform to, or contribute to the attainment of the goals and objectives of the Comprehensive Plan? Is the project consistent with established policies?

The relocation of Taxiway "A" conforms to the latest Airport Layout Plan Update (adopted by Frederick County BOS October 2005) and is consistent with established local, FAA and State policies.

Public Health, Safety or Welfare:

Does the project improve conditions affecting health, safety or welfare? Does it eliminate a clear health or safety risk?

The project aims to reduce safety risks at the airport by acquiring land within the primary surface. The airport will then work to bring this portion of the primary surface up to FAA standards for increased safety.

Construction Schedule: If the project will take several years to complete, outline the schedule here. Be sure to include any work that might have been done in previous years, including studies or other planning.

N/A

Estimate Cost (in 2016 dollars):

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
Planning, Surveying & Design			20,000					20,000
Land Acquisition			280,000					280,000
Site Preparation & Improvements								
Construction								
Furniture and Equipment								
Other								
TOTAL			300,000					300,000

Basis of Cost Estimates: Check one of the following. *If you want to provide more detailed information on the estimate, please do so in the space provided.*

Cost of comparable facility or equipment

From cost estimate provided by an engineer, architect, or vendor

From bids received

"Preliminary" estimate, (e.g. no other basis for estimate, guesstimate)

Other (please explain)

Source of Funding: Indicate the projected amount for each funding source.

Element	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	Beyond FY 2022	Long Range Comprehensive Plan Projects	Total
General Fund			4,476					4,476
Other Fund			1,524					1,524
State Grants			24,000					24,000
Federal Grants			270,000					270,000
Bonds and Debts								
Other Fund Raising								
TOTAL			300,000					300,000

Please describe the source of funding (i.e. type of grant):

- 90% Federal Aviation Administration
- 8% Virginia Department of Aviation
- 2% Local funds

% based on Weldon Cooper data published Jan

Frederick County	74.6%
City of Winchester	25.4%