



# SOUTH CAROLINA AIRPORTS SYSTEM PLAN

LANCASTER COUNTY-MC WHIRTER FIELD - LKR  
LANCASTER, SOUTH CAROLINA

Data Cycle 04/13/2012  
Photo Date 2011



Governing Body  
COMMISSION

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**LANCASTER, SOUTH CAROLINA**

**Airport Classification - SC III**

State Classification III – Business/Recreation (SC-III): Generally located in rural localities these airports serve small business and recreational aircraft. These airports do not typically serve multi-jurisdictional service areas but are generally confined to the communities in which they reside, or located near another airport whose service area is multi-jurisdictional. The SC Airports System Plan has determined that these airports should have runways that are a minimum of 3,600 feet x 75 feet with Airport reference Code (ARC) designations of B-I or B-II. The airport's economic impact to the state is within a range of \$250,000 to \$2 million as defined in the South Carolina Economic Impact of Aviation (May 2006).<sup>1</sup> These airports generally offer the full range of fuels and most aviation services. They have a non-precision approach and are also forecasted to have a growing population of aircraft and annual operations. A future airport profile consists of 5% to 20% of corporate and business use but a higher percentage of recreational use. The airport is not constrained by surrounding incompatible land uses or environmentally sensitive areas, and has adequate expansion capability not only for runways and taxiways but for support facilities as well. Business/Recreation airports should have approach minima of no higher than 400-1 mile.

All airport design standards for Classification III airports shall be based on the FAA Airport Reference Code (ARC) B-I or B-II with the following additions:

- \* Shall have an Airport Layout Plan approved by SCAC,
- \* Runway length shall be 3,600 feet,
- \* Runway width shall be 75 feet,
- \* Runway strength shall be 30,000 pounds dual wheel load,
- \* Runways shall have unobstructed approaches in accordance with FAA AC 150/5300-13,
- \* Airport shall attempt to achieve RNAV (GPS) LNAV instrument approach minimums on the primary Runway of 400 feet and 1 mile,
- \* Runway to taxiway centerline distance shall be 300 feet,
- \* Runway lighting shall consist of Medium Intensity Runway Lights, 2-Box Precision Approach Path Indicator (PAPI), Runway End Identifier Lights (REILS).

<sup>1</sup> Wilbur Smith Associates in association with EDR Group and Franks and Associates (May 2006). South Carolina Economic Impact of Aviation. Prepared for The South Carolina Aeronautics Commission.



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## Airport Operations and Based Aircraft Forecasts

Year	ITINERANT OPERATIONS					LOCAL OPERATIONS			Total Ops	IFR Ops	Based Aircraft
	Air Carrier	Comm Air Taxi	General Aviation	Military Ops	ITIN Totals	General Aviation	Military Ops	Local Totals			
	2009	0	350	10,000	300	10,650	14,350	0			
2014	0	42	1,206	36	1,284	13,600	0	13,600	14,884	100	34
2019	0	464	13,269	398	14,131	13,600	0	13,600	27,731	1,100	34
2029	0	591	16,888	507	17,986	13,600	0	13,600	31,586	1,400	34

[Hyper link to Airport Operations \(operations link N/A\)](#)

Base Aircraft for 2011		Annual IFR Flight for 2011		Piston	Turbine
Single Engine	28	7 Single Engine		0	7
Multi Engines	1	93 Multi Engines		54	39
Helicopter	0	3 Helicopter		0	3
Jet	0	53 Jet			
Military	0	0 Unknown			
<b>Base Totals</b>	<b>29</b>	<b>156 IFR Totals</b>			

[Hyper Link to IFR details](#)



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## Airport Profile

Elevation	486.00' MSL	Latitude:	34-43-22.4558N
Lighting Schedule	DUSK-DAWN	Longitude:	080-51-16.5243W
Magnetic Var	07°W		

## Runway Information

ID	Length	Width	Surface	VGIS	REILS	Edge Lights	Approach Lights	Traffic Pattern
06/24	6004	100	CONC-E	P2L/P2L	None	MED	None	Standard

## Gross Wheel Weight

ID	SW	DW	DTW	DDTW	Surface
06/24	19.0	28.0			CONC-E

## NAVAIDS

ID	Type	FREQ	Direct/Distant
LKR	NDB	400	at fld
FML	VORTAC	112.40	r165° 16.7 NM to fld
CLT	VOR/DME	115.00	

## Communications

		RCO	ATIS	ATC		WEATHER	
UNICOM	CTAF	FREQ	FREQ	FREQ	ID	FREQ	PHONE
122.725	122.725			120.05	CLT	120.825	(803) 286-6444

[Hyperlink to airport drawing diagram](#)



# SOUTH CAROLINA AIRPORTS SYSTEM PLAN

## Capital Improvement Program

Project Description	Project Cost	Federal Share	Non-Primary Entitlements	Discretionary	State	Local
<b>2009</b>						
Runway 6-24 Rehabilitation and Lighting Project (Construction)	\$3,199,280	95%	\$3,039,316	\$150,000	\$2,889,316	\$79,982 2.5%
Totals for 2009	\$3,199,280		\$3,039,316	\$150,000	\$2,889,316	\$79,982
<b>2010</b>						
Taxilane Pavement Rehabilitation	\$350,000	95%	\$332,500	\$150,000	\$182,500	\$8,750 2.5%
Totals for 2010	\$350,000		\$332,500	\$150,000	\$182,500	\$8,750
<b>2011</b>						
Land Acquisition - Adjacent to AWOS Equip. (Approx. 15 Acres)	\$150,000	95%	\$142,500	\$150,000	\$0	\$0 0%
	\$0	0%	\$0	\$0	\$(7,500)	\$0 0%
Totals for 2011	\$150,000		\$142,500	\$150,000	\$(7,500)	\$0
<b>2012</b>						
Security Fencing Improvement Project	\$525,000	95%	\$498,750	\$150,000	\$348,750	\$13,125 2.5%
Totals for 2012	\$525,000		\$498,750	\$150,000	\$348,750	\$13,125
<b>2013</b>						
PAPI System for each Runway End Project	\$121,000	95%	\$114,950	\$150,000	\$0	\$3,025 2.5%
Terminal Access Road and Public Parking Rehabilitation	\$536,000	95%	\$509,200	\$0	\$474,150	\$13,400 2.5%
Totals for 2013	\$657,000		\$624,150	\$150,000	\$474,150	\$16,425



# SOUTH CAROLINA AIRPORTS SYSTEM PLAN

## Demographic and Business Profile Report (Data provided for 20 Mile Drive Distance from Airport)

### Total Population and Growth Rate

2000 Total Population	78,065
2008 Total Population	82,832
2013 Total Population	87,656
2000-2008 Annual Growth Rate	0.7%
2008-2013 Annual Growth Rate	1.1%

### Per Capita Income

2000 Per Capita Income	\$16,864
2008 Per Capita Income	\$21,735
2013 Per Capita Income	\$24,859

### Total Households

2000 Total Households	29,622
2008 Total Households	32,508
2013 Total Households	34,728

### Median Household Income

2000 Median HH Income	\$36,830
2008 Median HH Income	\$46,097
2013 Median HH Income	\$54,284

### Median Age

2000 Median Age	36.0
2008 Median Age	38.5
2013 Median Age	40.2

### 2008 Population by Age

Population 0 - 14	20.2%
Population 15 - 24	12.1%
Population 25 - 54	42.8%
Population 55 +	23.4%
Population 18+	75.8%
Population 85+	1.4%

### 2008 Civilian Population 16+ by Employment Status

Employed Civilian Pop 16+	36,402
Unemployed Civilian Pop 16+	4,302
Employment Rate	89.4%
Unemployment Rate	10.6%

### 2008 Employed Civilian Population by Industry

Agriculture/Mining	0.9%
Construction	9.7%
Manufacturing	25.4%
Retail/Wholesale Trade	15.9%
Transportation/Utilities	4.5%
Information	2.2%
Finance/Insurance/Real Estate	4.6%
Professional/Technical	2.9%
Management	0.2%
Accom/Food/Other Services	9.2%
Educational Services	8.1%
Health Care/Social Assistance	8.5%
Public Administration	3.0%
Admin/Support/Waste Svcs.	3.3%
Arts/Entertainment	1.6%

Source: ESRI, 2008 Estimates and Projections, 2000 Census, 2008 InfoUSA Business Data

### 2008 Educational Attainment by Degree

<9th Grade	7.8%
Some High School	15.4%
High School Graduate	37.1%
Some College	18.0%
Associate Degree	8.2%
Bachelor's Degree	8.8%
Graduate/Professional Degree	4.7%

### 2008 Employed Civilian Population by Occupation

Management (incl. Farm Mgr.)	5.8%
Professional	11.3%
Sales	9.7%
Office/Administrative Support	14.3%
Life/Physical/Soc. Science/Soc. Svcs.	1.7%
Entertainment/Sports	0.9%
Health Care Pract/Support	7.7%
Protective Services	2.1%
Food Preparation/Serving	3.7%
Maintenance/Installation/Repair	9.9%
Construction/Extraction Services	8.2%
Production	15.0%
Transportation/Moving	9.3%
Farming/Fishing/Forestry	0.3%

### Top Businesses by Number of Employees within 20 Mile Drive Distance.

Company Name	Number of Employees
Springs Industries Inc	1,200
Bowater Coated & Specialty Div	1,100
Springs Industries Inc	1,000
Grace Fabrication	1,000
Grace Finishing Plant	900
Springs Memorial Hospital	700
Tyco Electronics	500
Springs Industries Inc	500
Springs Industries Inc	475
Wal-Mart Supercenter	434
Chester Wood Products Llc	400
K R Systems	400
Guardian Industries Corp	308
U S Textile Corp	300
Haddon House Food Products Inc	288
Springs Industries Inc	254
United Contractors Inc	230
West Marine	200
Springs Industries Inc	200
Founders Federal Credit Union	200
Georgia-Pacific Corp	180
Springs Industries Inc	180
Allvac	178
Lem Forder Corp	160
Bi-Lo Drug Store	150
Berkshire Weaving Inc	150
Pfg Customized Distribution	135
Joslyn Clark Corp	125
Power Plant Maintenance	117
Morrison Textile Machinery Co	103
Smith Rental	100
Boral Bricks Direct	100
Thomas & Betts Corp	98
Worthington Steel Co	95
Bi-Lo	90

