

## CHAPTER FIVE SYSTEM ADEQUACY ANALYSIS

The previous chapter of the Pennsylvania Statewide Airport System Plan identified and described five system performance criteria including accessibility, optimization potential, activity/demand, support/commitment, and facilities. These criteria were used in previous chapters to identify the functional role that each airport currently plays in the Pennsylvania airport system. Airports were classified as being in one of five functional categories: Advanced Airports, Intermediate Airports, Basic Airports, Limited Airports, and Special Use Facilities; **Exhibits 5-1** through **5-4** graphically depict the distribution of system airports among the first four of these five functional categories. In most of the exhibits presented in this chapter, airports are presented by number. **Table 5-1** presents a listing of each Pennsylvania airport, its associated city, and the number used to identify it on the following maps.

Special Use Facilities are presented in **Exhibit 5-5**. It should be noted that special use facilities are not included in the system adequacies analysis. These special use aviation facilities include heliports, gliderports, seaplane bases, and ultralight facilities that primarily support components of aviation demand other than fixed-wing aircraft. By their nature, these facilities serve a variety of users and have differing facility and service requirements. Although these facilities represent an important component of the Commonwealth’s aviation system, determination of their overall performance and adequacy will not be completed in this analysis. The SASP recognizes the importance of these facilities and intends for these facilities to continue to support specialized aviation needs into the future.

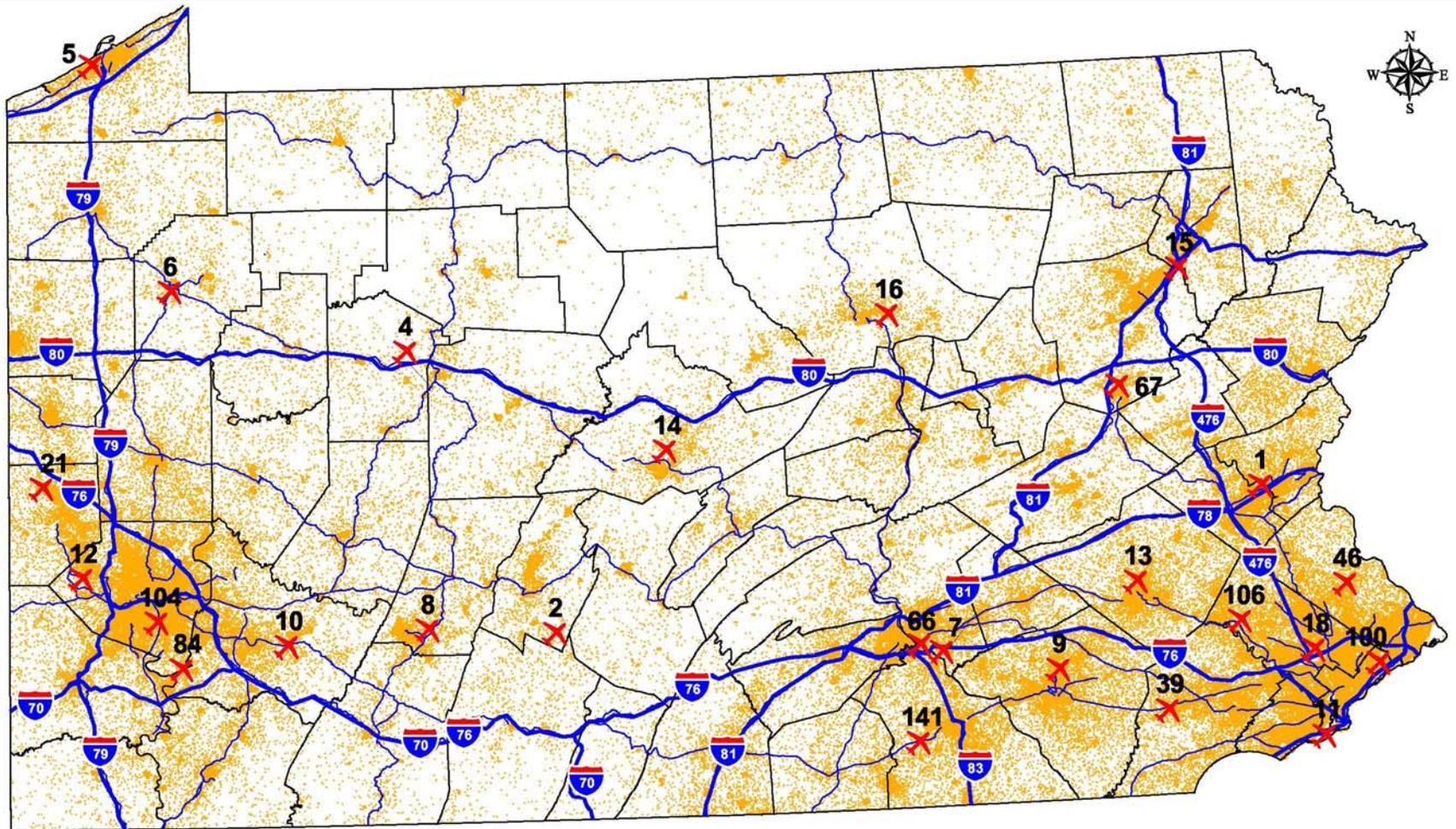
It should be noted that, since the initiation of the SASP, a number of Pennsylvania airports have changed status and are no longer open for public use. Because the SASP only examines public use facilities, the following airports will no longer be included in the analysis: Butter Valley Golf Port, Gwin, Chim, New Hanover, Moorhead Memorial, and Scandia Airpark. These facilities continue to operate as airports; however, they are not open to public use. As a result, these facilities will no longer be examined as sources of aviation facilities for the general aviation public in the Commonwealth.

The previous chapter also identified specific benchmarks for each of the five system performance criteria. These benchmarks are used in this chapter to determine the adequacy of Pennsylvania’s existing airport system. Based on the results of the adequacy analysis, the next task in the SASP will determine where enhancements to the Commonwealth’s airport system may be warranted and will identify and review available options for undertaking such enhancements.

This chapter is organized to review system performance criteria, and the benchmarks associated with each, as follows:

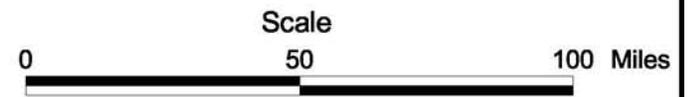
### Performance Criteria – ACTIVITY/DEMAND

- ❑ Airfield Capacity
- ❑ Aircraft Storage Capacity



**Legend**

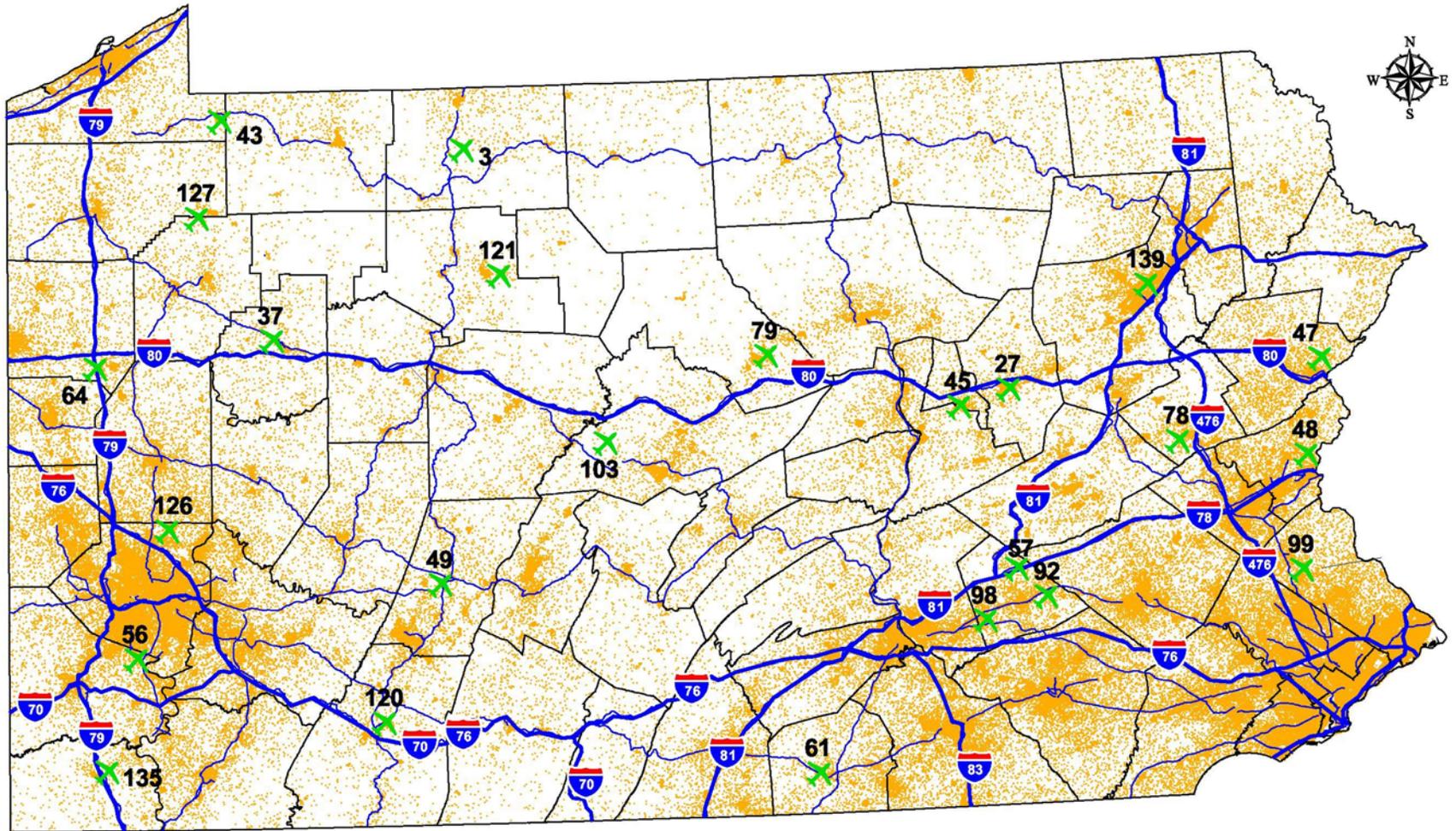
	Advanced Airports	<i>2000 Population Density</i>
	Interstate Highway	1- 500 People
	Limited Access Highway	501 - 2,000 People
	County Boundary	2,001 - 5,000 People
		5,001 - 10,000 People



Source: National Transportation Atlas Database,  
Pennsylvania Department of Transportation, and US Census Bureau

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**Exhibit 5-1**  
Advanced Airports





**Legend**

	Basic Airports	<i>2000 Population Density</i>
	Interstate Highway	 1- 500 People
	Limited Access Highway	 501 - 2,000 People
	County Boundary	 2,001 - 5,000 People
		 5,001 - 10,000 People



Source: National Transportation Atlas Database,  
 Pennsylvania Department of Transportation, and US Census Bureau

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**Exhibit 5-3**  
 Basic Airports



Table 5-1 (Page 1 of 3)  
 Airport Presentation on Maps

Map Number	Associated City	Airport
1	Allentown	Lehigh Valley International
2	Altoona	Altoona-Blair County
3	Bradford	Bradford Regional
4	DuBois	DuBois-Jefferson County
5	Erie	Erie International
6	Franklin	Venango Regional
7	Harrisburg	Harrisburg International
8	Johnstown	Johnstown-Cambria County
9	Lancaster	Lancaster
10	Latrobe	Arnold Palmer Regional
11	Philadelphia	Philadelphia International
12	Pittsburgh	Pittsburgh International
13	Reading	Reading Regional
14	State College	University Park
15	Wilkes-Barre/Scranton	Wilkes-Barre/Scranton International
16	Williamsport	Williamsport Regional
17	Allentown	Queen City
18	Ambler	Wings Field
19	Annaville	Millard
21	Beaver Falls	Beaver County
22	Bedford	Bedford County
23	Bellefonte	Bellefonte
24	Bensalem	Total RF Heliport
26	Bethel	Grimes
27	Bloomsburg	Bloomsburg Municipal
28	Broque	Baublitz
29	Burgettstown	Miller
30	Butler	Butler County
31	Butler	Butler Farm Show
32	Canadensis	Flying Dollar
33	Carlisle	Carlisle
34	Centre Hall	Centre Airpark
35	Centre Hall	Penn's Cave
36	Chambersburg	Chambersburg Municipal
37	Clarion	Clarion County
38	Clearfield	Clearfield-Lawrence
39	Coatesville	Chester County-G.O. Carlson
40	Collegeville	Perkiomen Valley
41	Columbia	McGinness Field
42	Connellsville	Connellsville
43	Corry	Corry-Lawrence

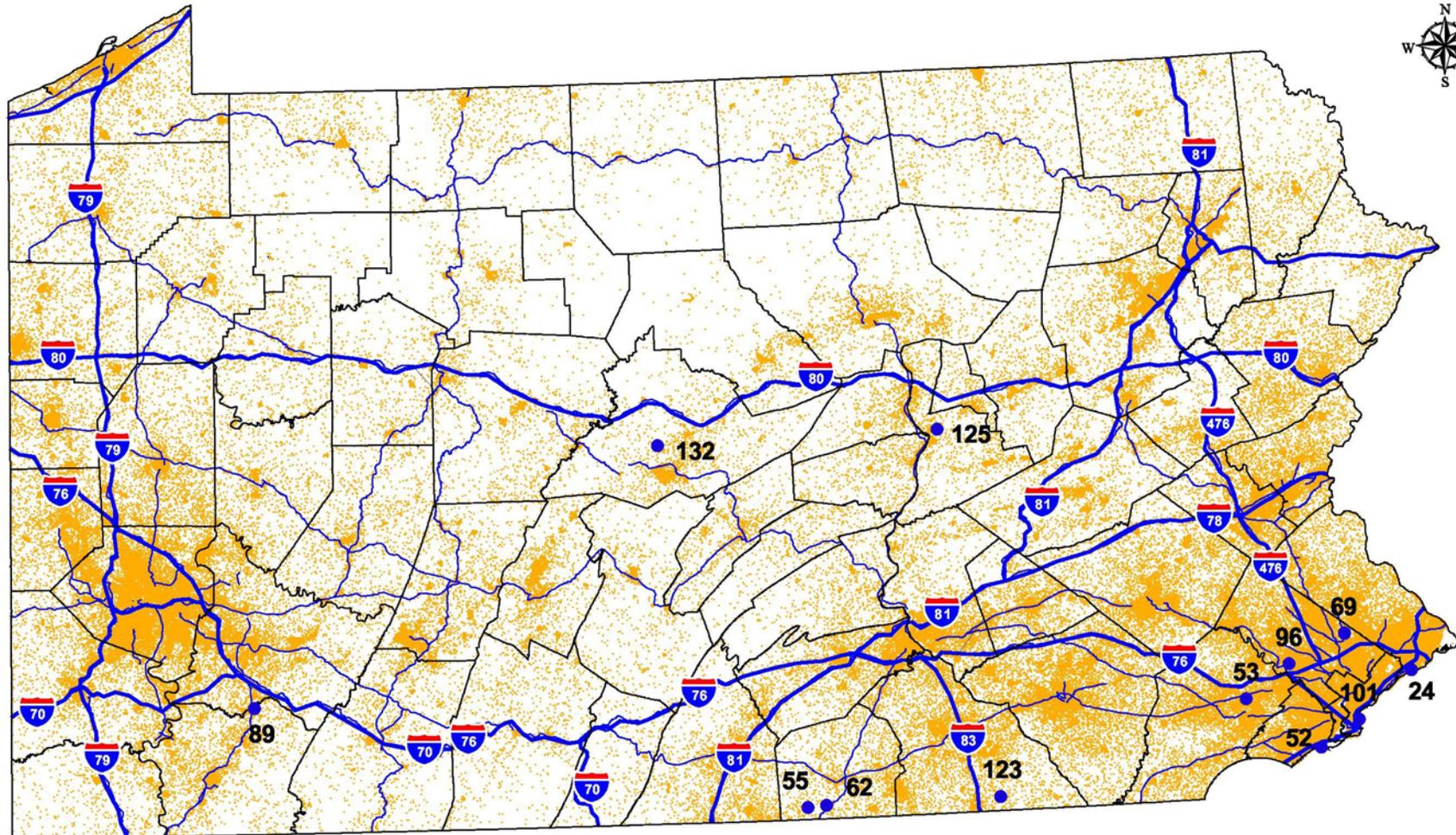
Table 5-1 (Page 2 of 3)  
 Airport Presentation on Maps

Map Number	Associated City	Airport
44	Culmerville	Culmerville
45	Danville	Danville
46	Doylestown	Doylestown
47	East Stroudsburg	Stroudsburg Pocono
48	Easton	Easton (Braden Airpark)
49	Ebensburg	Ebensburg
50	Eighty Four	Bandel
51	Erwinna	Van Sant
52	Essington	Philadelphia Seaplane Base
53	Exton	Keystone Heliport
54	Factoryville	Seamans Field
55	Fairfield	Mid-Atlantic Soaring Center
56	Finleyville	Finleyville Airpark
57	Fredericksburg	Farmer's Pride
58	Freeport	McVile
59	Galeton	Cherry Springs
60	Germansville	Flying M. Aerodrome
61	Gettysburg	Gettysburg Airport and Travel Center
62	Gettysburg	Southern Adams County Heliport
63	Greenville	Greenville Municipal
64	Grove City	Grove City
65	Hanover	Hanover
66	Harrisburg	Capital City
67	Hazleton	Hazleton Municipal
68	Honesdale	Cherry Ridge
69	Horsham	Horsham Valley Airways Heliport
70	Indiana	Indiana County-Jimmy Stewart
71	Irwin	Inter County
72	Jeannette	Greensburg-Jeannette Regional
73	Jersey Shore	Jersey Shore
74	Kralltown	Bermudian Valley
75	Kutztown	Kutztown
76	Lebanon	Keller Brothers
77	Lehighton	Beltzville
78	Lehighton	Jake Arner Memorial
79	Lock Haven	William T. Piper Memorial
80	Mars	Lakehill
81	Meadville	Port Meadville
82	Mifflintown	Mifflintown
84	Monongahela	Rostraver
85	Monroeville	Pittsburgh Monroeville
86	Morgantown	Morgantown
87	Mount Joy	Donegal Springs Airpark
88	Mount Pleasant	Mt. Pleasant - Scottdale
89	Mount Pleasant	WPHS Heliport
90	Mount Pocono	Pocono Mountains Municipal

Table 5-1 (Page 3 of 3)  
 Airport Presentation on Maps

Map Number	Associated City	Airport
91	Mount Union	Huntingdon County
92	Myerstown	Deck
93	New Castle	New Castle Municipal
95	Newry	Blue Knob Valley
96	Norristown	Valley Forge Bicentennial Heliport
98	Palmyra	Reigle
99	Perkasie	Pennridge
100	Philadelphia	Northeast Philadelphia
101	Philadelphia	Penn's Landing - Pier 36 Heliport
102	Philipsburg	Albert
103	Philipsburg	Mid-State
104	Pittsburgh	Allegheny County
105	Pittsfield	Brokenstraw
106	Pottstown	Pottstown Limerick
107	Pottstown	Pottstown Municipal
108	Pottsville	Schuylkill County-Joe Zerbey
109	Punxsutawney	Punxsutawney
110	Quakertown	Quakertown
111	Reedsville	Mifflin County
113	Sayre	Blue Swan
114	Selinsgrove	Penn Valley
115	Seven Springs	Seven Springs
116	Shamokin	Northumberland County
117	Shippensburg	Shippensburg
118	Slatington	Slatington
119	Smoketown	Smoketown
120	Somerset	Somerset County
121	St. Marys	St. Marys Municipal
122	Sterling	Spring Hill Airpark
123	Stewartstown	Shoestring Aviation
124	Sunbury	Sunbury
125	Sunbury	Sunbury Seaplane Base
126	Tarentum	Rock
127	Titusville	Titusville
128	Toughkenamon	New Garden Flying Field
129	Towanda	Bradford County
130	Tower City	Bendigo
131	Tunkhannock	Sky Haven
132	Unionville	Ridge Soaring Gliderport
133	Washington	Washington County
134	Wattsburg	Erie County
135	Waynesburg	Greene County
136	Wellsboro	Grand Canyon
137	Wellsville	Kampel
138	West Chester	Brandywine
139	Wilkes-Barre	Wilkes-Barre/Wyoming Valley
140	Williamsburg	Cove Valley
141	York	York
142	Zelienople	Zelienople Municipal

Source: Wilbur Smith Associates, Inc.



**Legend**

- Special Use Facilities
  - Interstate Highway
  - Limited Access Highway
  - County Boundary
- | 2000 Population Density |                       |
|-------------------------|-----------------------|
|                         | 1- 500 People         |
|                         | 501 - 2,000 People    |
|                         | 2,001 - 5,000 People  |
|                         | 5,001 - 10,000 People |

Scale



Source: National Transportation Atlas Database, Pennsylvania Department of Transportation, and US Census Bureau

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Exhibit 5-5

Special Use Facilities