



**Arkansas Delegation Meeting
with Secretary Principi**

to discuss the

**188th Fighter Wing
Fort Smith, Arkansas**

May 17, 2005

Office of Senator Mark Pryor

TALKING PAPER

ON

188TH FIGHTER WING
FORT SMITH, ARKANSAS

- The 188th Fighter Wing is located at the Fort Smith Regional Airport, Fort Smith, Arkansas
 - The 188th leases 142 acres from the FSM Airport thru a Joint Use Agreement (AJUA)
 - Under the terms of the AJUA, the ANG pays \$60,000 per year to the Airport
 - The 188th provides 24 / 7 / 365 Fire Fighting capability
 - The main base comprises 122 acres. This area includes two aircraft parking ramps, 57 buildings and support structures
 - The additional 20 acres are within the limits of the airport boundary fence and are used as a Fire Training Facility.
 - This facility is **one of three** in the Air National Guard (ANG)
 - The 188th operates a Civil Engineering Regional Training Site (RTS) for the ANG.
 - This facility is **one of five** in the ANG

- The 188th is one of two flying wings assigned to the Arkansas Air National Guard
 - The 188th possesses 17 F-16C+, Block 32 aircraft (1 ANG unit)
 - The average age of the 188th fleet is **3502 hrs**
 - By comparison, the average fleet age per F-16 Block is as follows:

▪ Block 52 -----	2388 hrs
▪ Block 42 -----	3496 hrs
▪ Block 30 -----	4088 hrs
▪ Block 25 -----	4554 hrs
▪ Block 15 -----	5161 hrs
 - 188th Block 32 F-16C+s are equipped with the following:
 - Night Vision Instrumentation System (NVIS)
 - pilots wear Night Vision Goggles (NVG) during night sorties
 - Litening II Targeting Pod capable
 - allows for laser guided bomb (LGB) employment
 - Global Positioning System navigation (GPS)
 - allows for Joint Direct Attack Munitions (JDAM) employment
 - Situation Awareness Data Link (SADL) capable

- The 188th is ideally located in the central United States in terms of training airspace
 - Five Military Operating Areas (MOAs) are used on a regular basis for training
 - Nine Instrument Rules (IR) or Visual Rules (VR) low level routes are used regularly
 - The 188th FW monitors, maintains, and schedules 2 MOAs and 1 bombing range
 - The 188th operates Razorback Range as a bombing range detachment
 - 177 acres leased out of the 66,000 acre Fort Chaffee complex
 - Surface to 30,000 feet; full laser operations; night or day

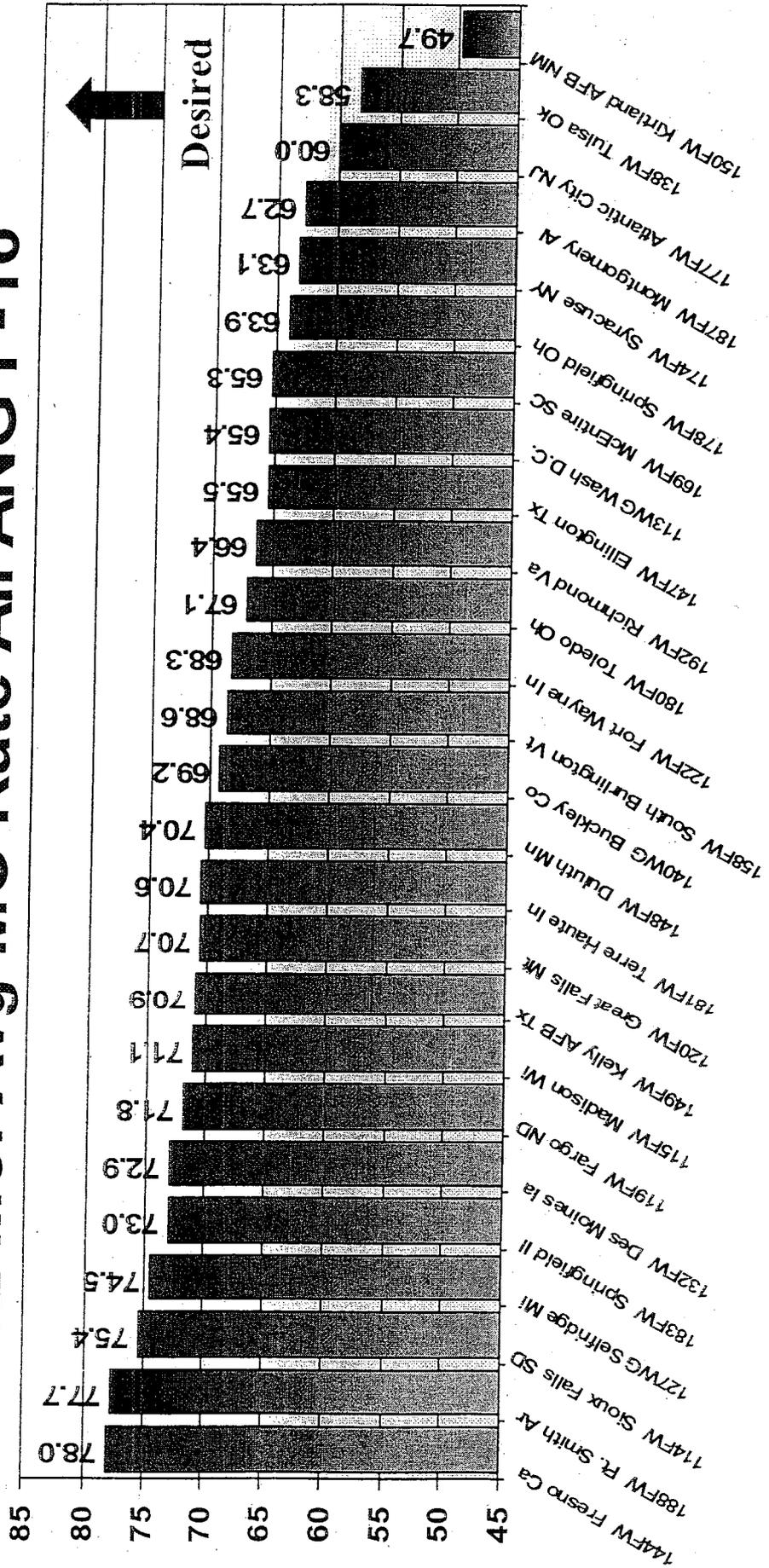
SUMMARY OF FACTS

- The ANG has 27 units that possess and fly the F-16 aircraft.
 - ANG F-16 units are located in 22 states and the District of Columbia
- Units are either located at a municipal airport OR on a military reservation
 - 19 units are located on municipal airports
 - 8 units are located on either an active duty AF or on an active ANG base
- ANG F-16 aircraft range from F-16 Block 15s (oldest) to F-16 Block 52s (newest)
- ANG F-16 units are either Operational, Training, or Test and Evaluation units
 - Operational F-16 units are combat deployable (24 units)
 - Training F-16 units do not deploy to combat. They train new F-16 pilots. (2 units)
 - One (1) Training F-16 unit is on a municipal airport
 - A Test and Evaluation unit tests new avionics and munitions. (1 unit)
- ANG F-16 units normally possess 17 to 18 aircraft
- The 188th Fighter Wing is an Operational F-16 ANG unit that possesses 17 F-16s
- The 188th Fighter Wing operates from a municipal airport location
 - As such, the 188th FW should be compared to the other 17 Operational F-16 units that operate from a municipal airport
 - 19 total units reside on municipal airports. Keep in mind, one of these is a training unit
- **Equipment:** The 188th Fighter Wing possesses 17 Block 32 F-16C aircraft
 - These F-16s are the most combat-capable F-16s in the inventory, equipped with:
 - Night Vision Instrumentation System (NVIS)
 - pilots wear Night Vision Goggles (NVG) during night sorties
 - Litening II Targeting Pod capable
 - allows for laser guided bomb (LGB) employment
 - Global Positioning System navigation (GPS)
 - allows for Joint Direct Attack Munitions (JDAM) employment
 - Situation Awareness Data Link (SADL) capability
 - 188th FW aircraft are the **5th youngest fleet in the ANG inventory** based on age
 - 188th FW F-16s are maintained at the highest readiness level based on reportable data developed and demanded of by the ANG and the AF
 - This includes the highest Mission Capable Rate of all ANG F-16 units for 24 and 36-month average. Mission Capable Rate indicates the assigned aircraft can perform the majority of tasked missions. (See attached charts)
 - Additionally, the 188th FW has maintained its F-16's with the highest Fully Mission Capable (FMC) Rate for the 24 and 36-month average. Fully Mission Capable Rate allows assigned aircraft to perform any tasked mission. (See attached charts)
- **Infrastructure:** The 188th FW possesses an airbase that is the envy of all other ANG units located on a municipal airfield
 - The 188th FW leases a total of 142 acres from the City of Fort Smith
 - The Lease agreement was extended in 2003 until the year 2054
 - The 188th possesses ramp space for aircraft parking that can currently accommodate thirty-seven (37) F-16 aircraft
 - The 188th FW has the ability to increase this aircraft capacity to a maximum of 58 aircraft

- The 188th possesses a fuel storage capacity of 200,000 gallons of jet fuel
- The 188th FW possesses a Munitions Storage Area
 - Not all ANG units have this capability
- The 188th has developed a Base Master Plan that has looked to future construction projects as their priority
 - The 188th FW has over \$13.0 Million of modernization projects scheduled
- The 188th FW has both a Regional Training Site for Civil Engineers and a Fire Training Facility
- **Airspace:** The 188th FW has an airspace structure that is the envy of all F-16 ANG units
 - The 188th operates a bombing range 15 miles from its field
 - The Detachment is under the authority of the 188th FW
 - The bombing range is authorized for full laser operations; day and night
 - The 188th "owns" a Military Operating Area (MOA) from the surface to 18,000 feet that borders its bombing range
 - Better training is facilitated by their adjacency
 - The 188th operates 14 miles from the Ft Chaffee Army complex
 - 60,000 plus acres of military training sits right next door at Fort Chaffee
 - Pilots of the 188th have for their training five (5) MOAs within 150 miles of FSM
 - The 188th is currently working on airspace initiatives to increase their training opportunities, thus increasing the pilot's combat capability
 - The airspace the 188th uses is ideal for Joint training exercises with other services
 - The 188th hosts various Joint Time Sensitive Targeting Training exercises
 - Air Force, Army, and Navy forces have participated
 - The central location of the State of Arkansas makes this ideal for Joint training
- **Financial Management:** The 188th FW provides the U.S. taxpayer a strong return on its investment.
 - The 188th has the 4th smallest O&M budget of the 19-like ANG units
 - (O&M) = Operations and Management Budget
 - The 188th has the 3rd lowest Military Personnel budget of the 19-like ANG units
 - The 188th has the 3rd lowest Civilian Pay budget of the 19-like ANG units
 - The 188th has the 5th lowest cost per flying hour of the 19-like ANG units
 - The 188th enjoys the 4th lowest utility costs of the 19-like ANG units
- **Construction Impact on the Local Economy:** The 188th FW has made huge gains in winning awards for construction of facilities from the Congress and the NGB.
 - In Fiscal Year (FY) 03, the 188th exercised \$10,641,042 of construction projects
 - In FY03, the City of Fort Smith had a total of \$37,977,419 worth of construction permits
 - In FY03, the 188th FW accounted for 30% of the construction in Fort Smith
 - In this current FY04, the 188th FW accounts for approximately 20% of the construction
 - The 188th FW predicts more construction dollars before the end of the FY
 - For FY05, the 188th FW has \$11,000,000 worth of construction under design for funding
 - In contrast, Fort Chaffee has been awarded approximately half of what the 188th has received
 - Compared to the 19-like F-16 ANG units, the 188th had had the 3rd highest investment in construction for FY03 and FY04 combined
 - The 188th accounts for 19% of the construction dollars spent in the local community for the period of FY03 and FY04 combined

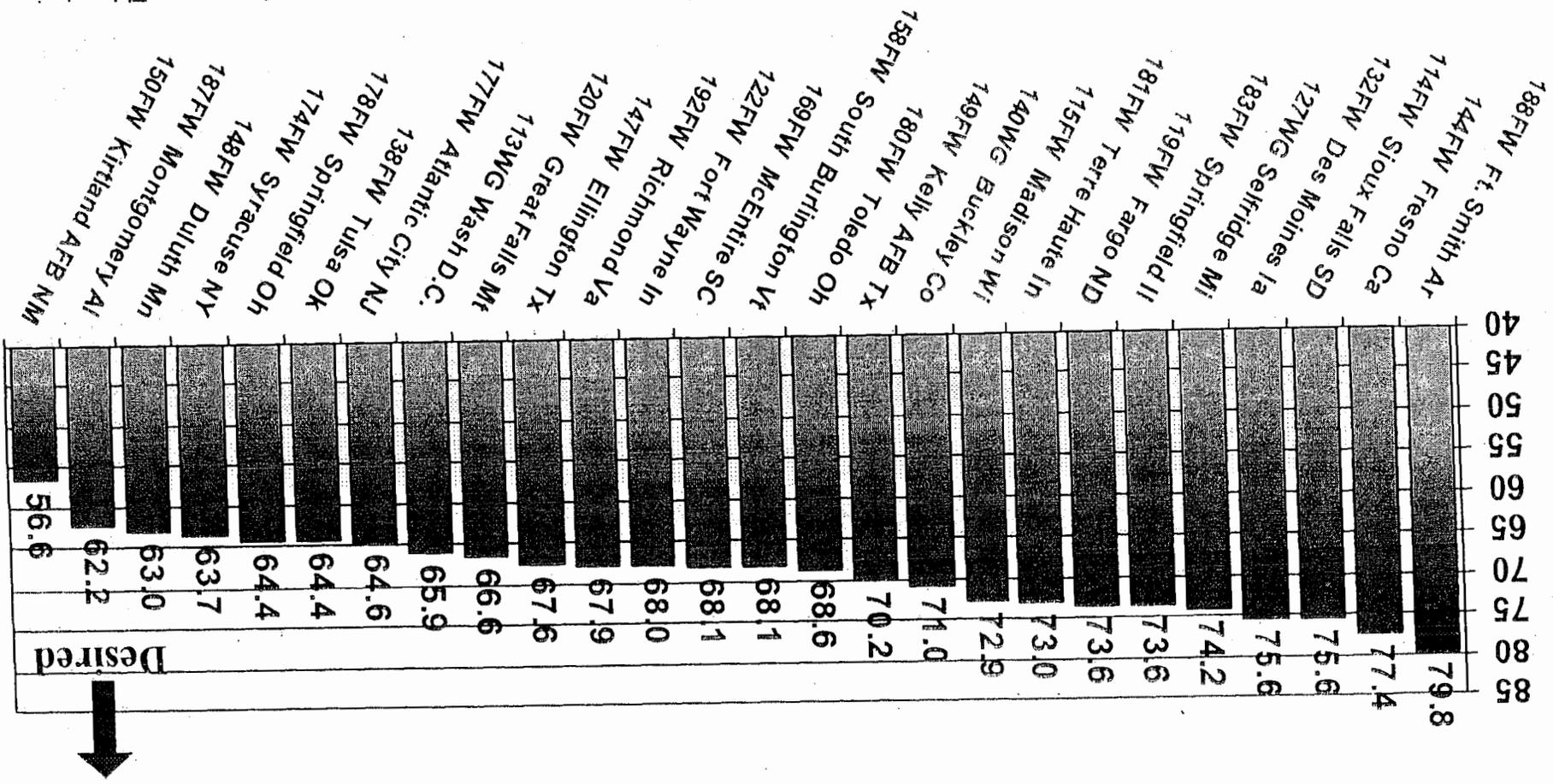
Mission Capable (MC) Rate

12 Mo. Avg MC Rate All ANG F-16



Mission Capable Rate (MC Rate): The MC rate is perhaps the best-known yardstick for measuring a unit's performance. This rate is very much a composite metric. That is, it is a broad indicator of many processes and metrics. A low MC rate may indicate a unit is experiencing many hard (long fix) breaks that don't allow them to use an aircraft for many hours or several days. It may also indicate serious parts supportability issues, poor job prioritization, lack of qualified technicians, or poor sense of urgency.

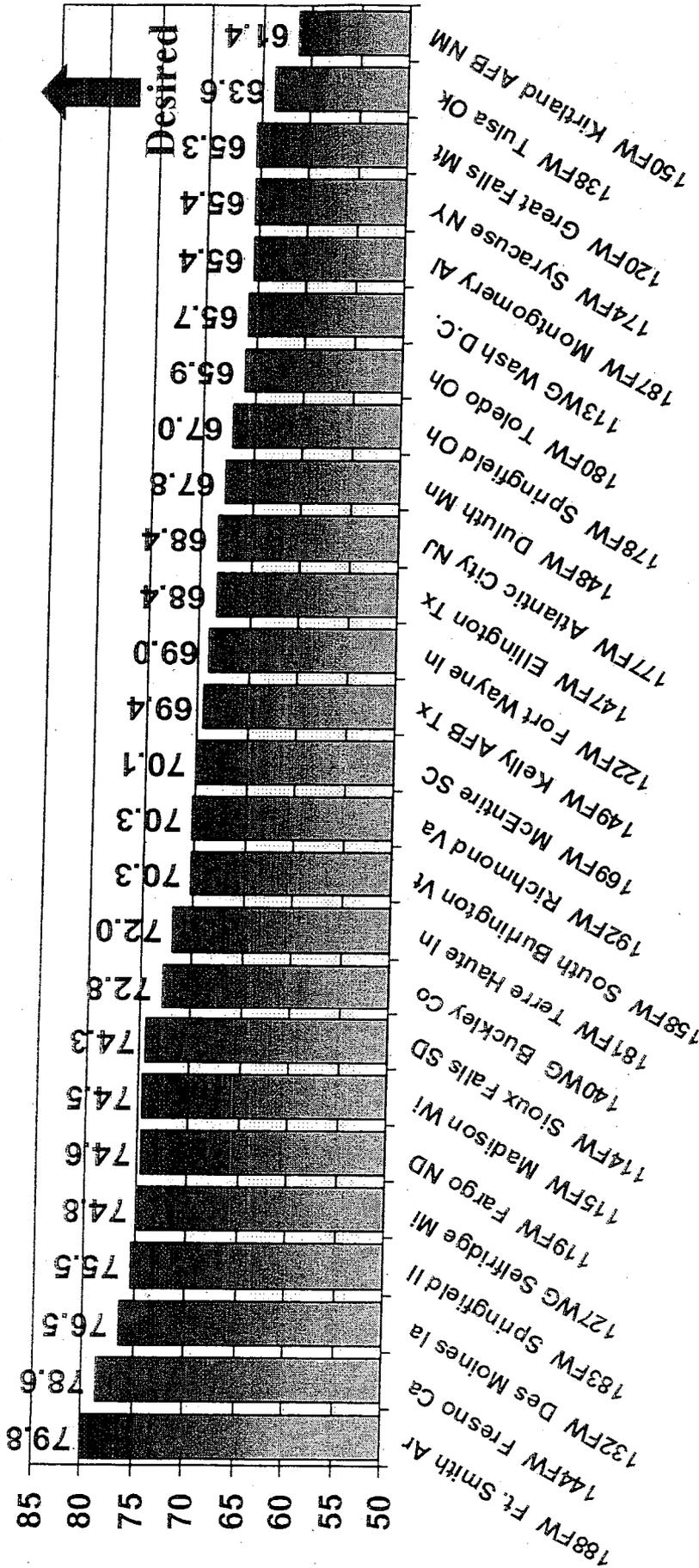
Mission Capable (MC) Rate 24 Mo. Avg MC Rate All ANG F-16



Mission Capable Rate (MC Rate): The MC rate is perhaps the best-known yardstick for measuring a unit's performance. This rate is very much a composite metric. That is, it is a broad indicator of many processes and metrics. A low MC rate may indicate a unit is experiencing many hard (long fix) breaks that don't allow them to use an aircraft for many hours or several days. It may also indicate serious parts unavailability issues, poor job prioritization, lack of qualified technicians, or poor crew proficiency.

Mission Capable (MC) Rate

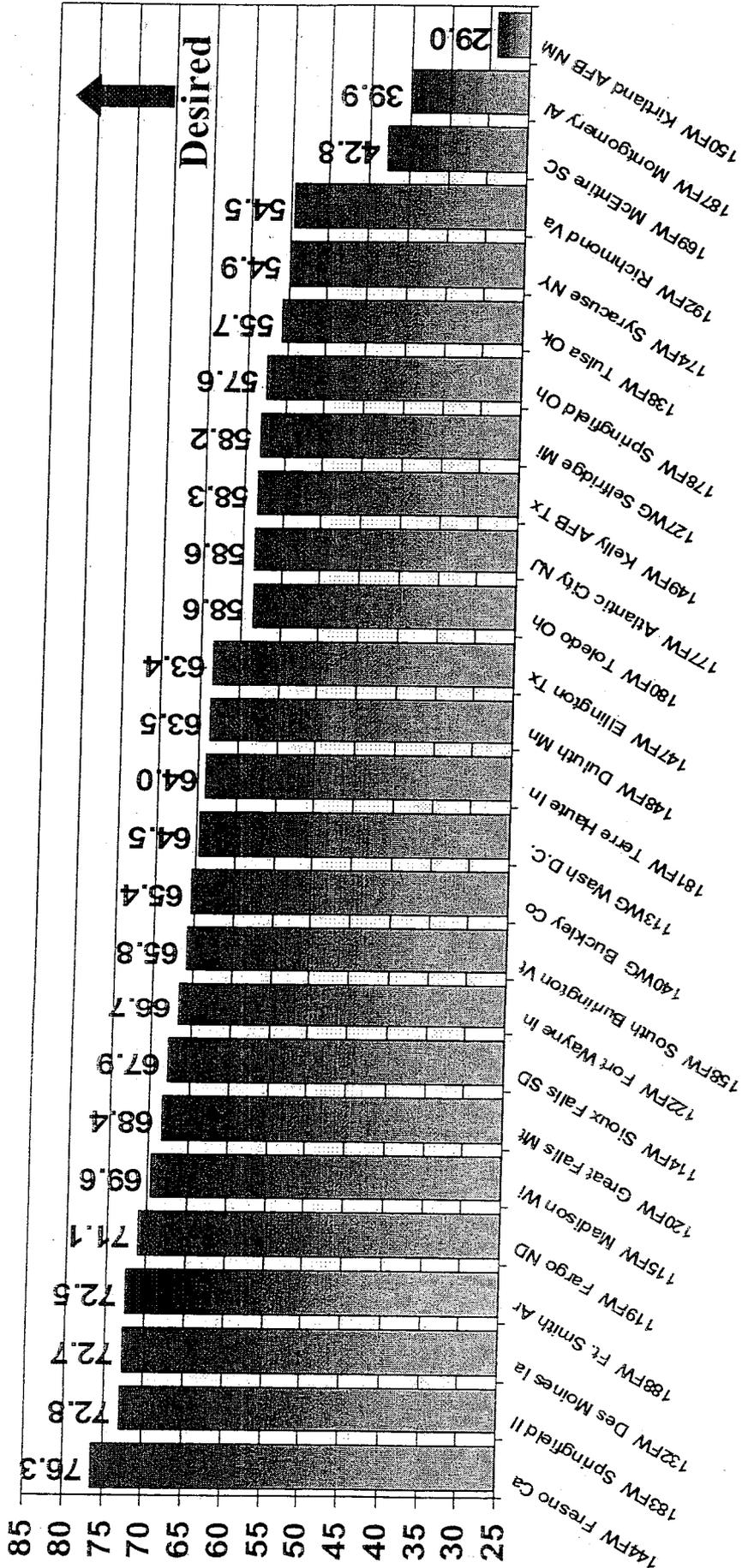
36 Mo. Avg MC Rate All ANG F-16



Mission Capable Rate (MC Rate): The MC rate is perhaps the best-known yardstick for measuring a unit's performance. This rate is very much a composite metric. That is, it is a broad indicator of many processes and metrics. A low MC rate may indicate a unit is experiencing many hard (long fix) breaks that don't allow them to use an aircraft for many hours or several days. It may also indicate serious parts supportability issues, poor job prioritization, lack of qualified technicians, or poor sense of urgency.

Fully Mission Capable (FMC) Rate

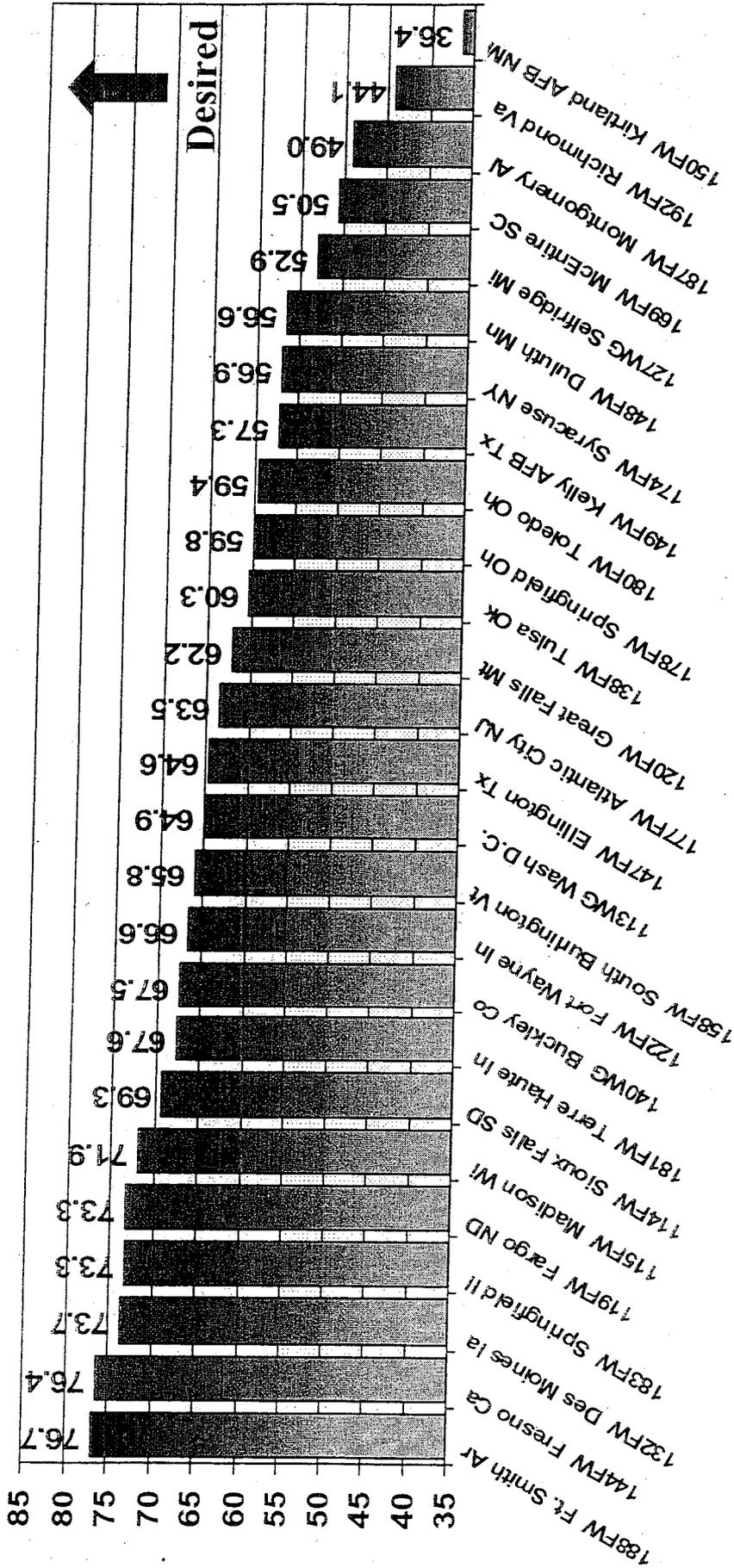
12 Mo Avg FMC Rate All ANG F-16



Fully Mission Capable Rate (FMC Rate): A significant difference between the Mission Capable Rate and the Fully Mission Capable Rate is that the Mission Capable aircraft may be flying with key systems partially inoperative and cannot perform all the designated operational missions. A Fully Mission Capable aircraft is an aircraft that has all of its systems operable allowing it to perform its mission.

Fully Mission Capable (FMC) Rate

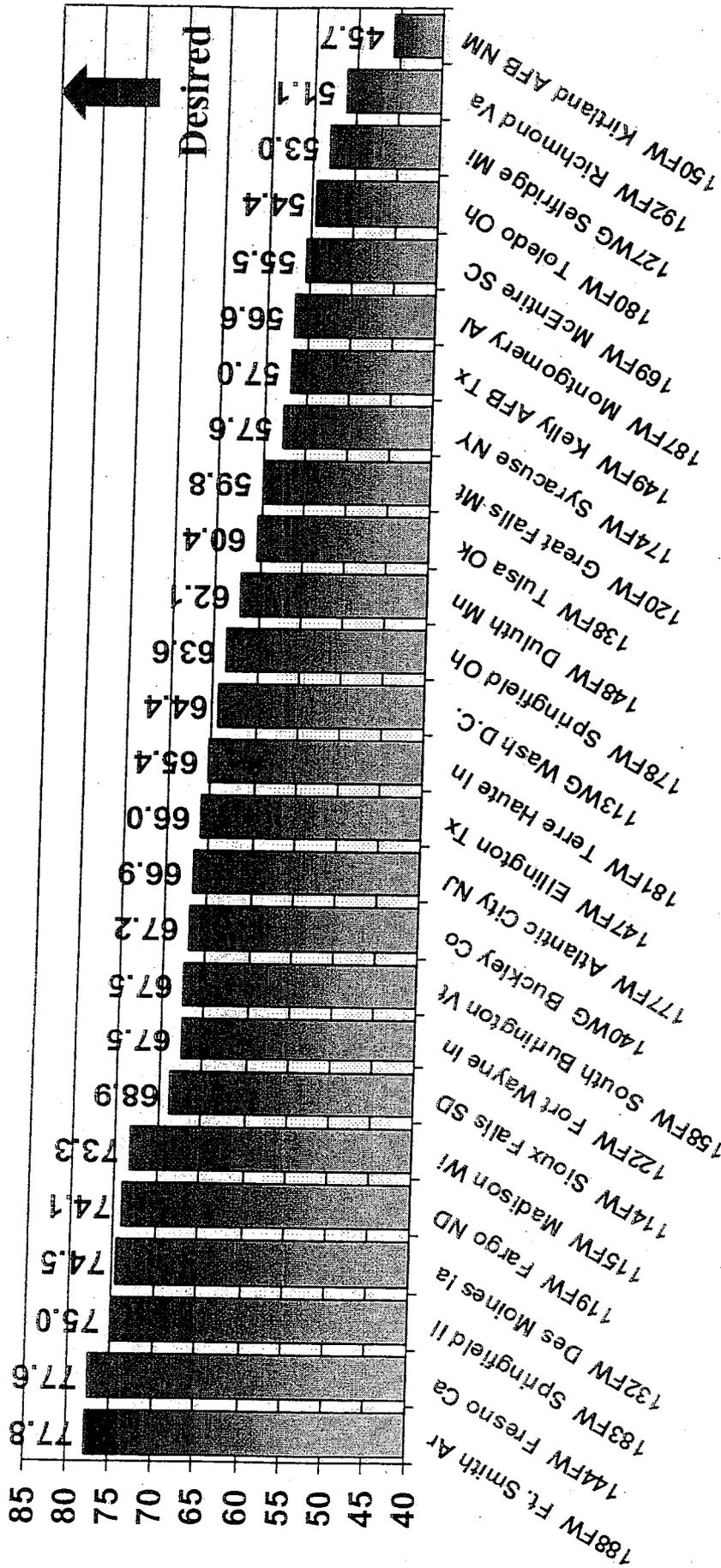
24 Mo. Avg FMC Rate All ANG F-16



Fully Mission Capable Rate (FMC Rate): A significant difference between the Mission Capable Rate and the Fully Mission Capable Rate is that the Mission Capable aircraft may be flying with key systems partially inoperative and cannot perform all the designated operational missions. A Fully Mission Capable aircraft is an aircraft that has all of its systems operable allowing it to perform its mission.

Fully Mission Capable (FMC) Rate

36 Mo. Avg FMC Rate All ANG F-16



Fully Mission Capable Rate (FMC Rate): A significant difference between the Mission Capable Rate and the Fully Mission Capable Rate is that the Mission Capable aircraft may be flying with key systems partially inoperative and cannot perform all the designated operational missions. A Fully Mission Capable aircraft is an aircraft that has all of its systems operable allowing it to perform its mission.

TALKING PAPER
ON
INFRASTRUCTURE

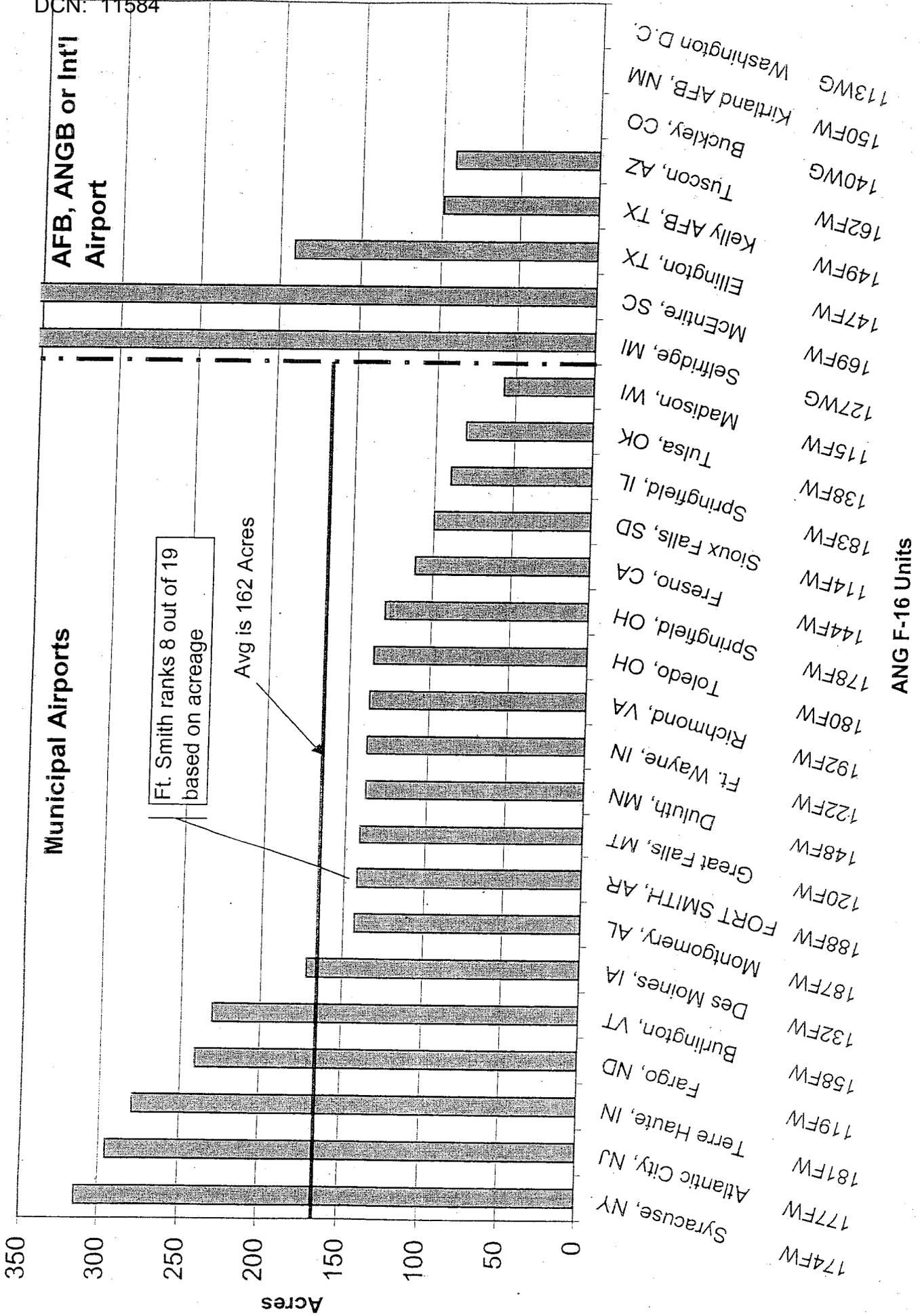
- The 188th Fighter Wing is located on property owned by the Fort Smith Regional Airport.
- The 188th Fighter Wing leases 142 acres from the City of Fort Smith and the Fort Smith Regional Airport through a lease agreement that expires in September 2054.
- The 188th Fighter Wing possesses 374,000 square feet (SF) of facilities.
 - By January 2005, total facilities will be approximately 378,250 SF (new construction and demolition)
- The 188th FW should be compared to the other 19 F-16 ANG units that operate from a municipal airport.
 - Total Land possessed ranges from 59 to 315 acres 188th has 142 acres (Atch 2)
 - Facilities range in size from 301,820 to 744,784 SF 188th has 374,262 SF (Atch 3)
 - Hangar Floor space ranges from 24,930 to 40,976 SF 188th has 31,500 SF (Atch 4)
 - Jet Fuel storage capabilities vary from 1000 Gallons to 840,000 gallons
 - The 188th can store 200,000 Gallons of Jet Fuel (Atch 5)
 - Ramp Space for aircraft parking ranges from 29,702 to 80,146 SY.
 - The 188th has 68,522 SY available for aircraft parking (Atch 6)
- The 188th Fighter Wing possesses a Munitions Storage Area (MSA) on their leased property.
 - Not all ANG F-16 units have this capability (Atch 7)
- Currently, the 188th Fighter Wing is constructing a new 18,000 SF Headquarters building and Base Entry/Gatehouse valued at over \$5,000,000.
- A renovation of the Base Dining Hall and Support Services Facility is also currently underway with a value of \$1,700,000.
- The 188th FW has over \$13,000,000 of Modernization projects scheduled with the Air National Guard Bureau to include:
 - Modernizing the water distribution piping for \$1,053,000
 - Relocating all overhead power lines underground with upgrades at \$1,344,000
 - Enhancing current deficiencies associated with base drainage for over \$1,000,000
 - Complete remodel of the Aircraft Maintenance Hangar valued at \$4,500,000
- A \$6,000,000 Military Construction project to construct a combined Vehicle Maintenance/Aerospace Support Equipment facility at the 188th Fighter Wing has already been included in the FY 2005 Defense Bill awaiting Presidential signature.
- The 188th Fighter Wing provides Full Time Fire Protection for the ANG flying operations and the commercial flying operations associated with the Fort Smith Regional Airport. Multiple units within the ANG do not provide fire protection for commercial airport operations. (Atch 8)

INFRASTRUCTURE METRICS

Unit	City, State	Facility	Local Pop.	Total (SF)	Land (AC)	Replacement Cost \$(000)	Sqd Ops (SF)	Munitions (SF)	Igloo's (SF)	Hangar (SF)	Jet Fuel (GA)	Apron (SY)
188FW	FT SMITH, AR	Muni Apt	81,500	374262	142	132272	17002	8236	2820	31499	200000	68522
114FW	Sioux Falls, SD	Muni Apt	133,800	410624	100	144901	24619	7529	3821	29087	212000	34380
115FW	Madison, WI	Muni Apt	218,400	744784	58	92697	18552	12312	N/A	26774	1000	60245
119FW	Fargo, ND	Muni Apt	91,500	403189	241	107553	22651	4000	6052	39508	210000	54042
120FW	Great Falls, MT	Muni Apt	56,200	394391	141	149772	18050	14400	9600	29972	149982	35605
122FW	Fort Wayne, IN	Muni Apt	219,500	344659	138	103814	31115	2500	1134	24930	210000	80146
132FW	Des Moines, IA	Muni Apt	196,100	388008	172	201211	39194	7762	3631	40976	212000	52207
138FW	Tulsa, OK	Muni Apt	387,800	362428	81	118464	20338	9282	None	32927	1500	32317
144FW	Fresno, CA	Muni Apt	451,500	369841	111	94615	20718	12196	8969	26122	165000	47445
148FW	Duluth, MN	Muni Apt	85,700	456248	138	115806	32827	3993	None	27815	840000	41748
158FW	South Burlington, VT	Muni Apt	39,200	417881	230	123174	30456	4133	15111	37136	638988	41748
174FW	Syracuse, NY	Muni Apt	144,000	558822	315	183838	19810	No Data	None	32794	No Data	33803
177FW	Atlantic City, NJ	Muni Apt	40,400	405964	296	39384	19864	7025	7556	33744	420000	40149
178FW	Springfield, OH ***	Muni Apt	64,500	351839	129	130685	30800	11744	None	32645	95981	45577
180FW	Toledo, OH	Muni Apt	308,900	336383	135	153723	23964	4200	None	33816	410000	48047
181FW	Terre Haute, IN	Muni Apt	58,100	342753	280	109169	19459	10960	7612	35121	106000	49012
183FW	Springfield, IL	Muni Apt	113,600	301904	90	59400	21813	4000	None	32309	100000	47043
187FW	Montgomery, AL	Muni Apt	200,100	301820	143	58684	19583	7679	3556	28990	320000	29702
192FW	Richmond, VA	Muni Apt	194,800	314593	137	175265	18083	3500	3976	28369	214000	47880
169FW	McEntire, SC	ANGB	117,400	693678	2136	175265	21185	6170	3600	28453	118500	7158
113WG	Washington D.C.	AFB	563,400	588597	TENANT	131272	29983	2560	11660	78038	N/A	111794
127WG	Selfridge, MI	ANGB	17,100	1894491	3673	1023009	59063	7729	17494	65930	210000	574854
140WG	Buckley, CO	AFB	290,400	433287	TENANT	134944	17370	8035	4640	65024	N/A	175491
147FW	Ellington, TX	ANGB	2,009,000	439832	191	84732	25422	17282	6560	27261	11362	145405
162FW	Tucson, AZ ***	INT'L	507,600	575182	92	203762	70194	16487	None	77745	420000	107487
149FW	Kelly AFB, TX ***	AFB	1,214,700	274594	99	38285	32610	0	None	26690	1000	45943
150FW	Kirtland AFB, NM	ANGB	471,900	317255	TENANT	98453	22300	4600	8807	40496	210000	42456

*** denotes an F-16 training wing

Total Amount of Land



Total Square Footage

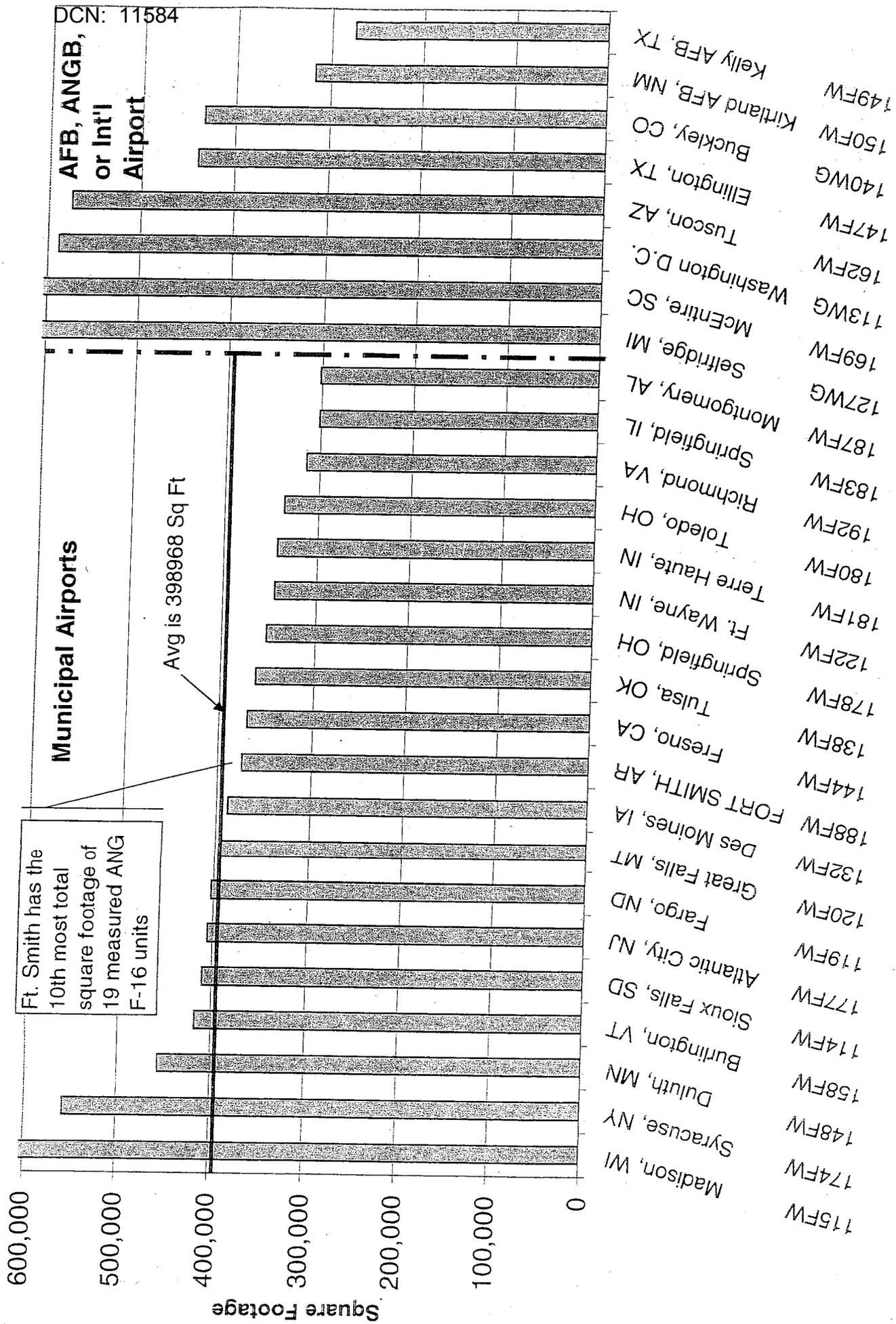
DCN: 11584

AFB, ANGB,
or Int'l
Airport

Municipal Airports

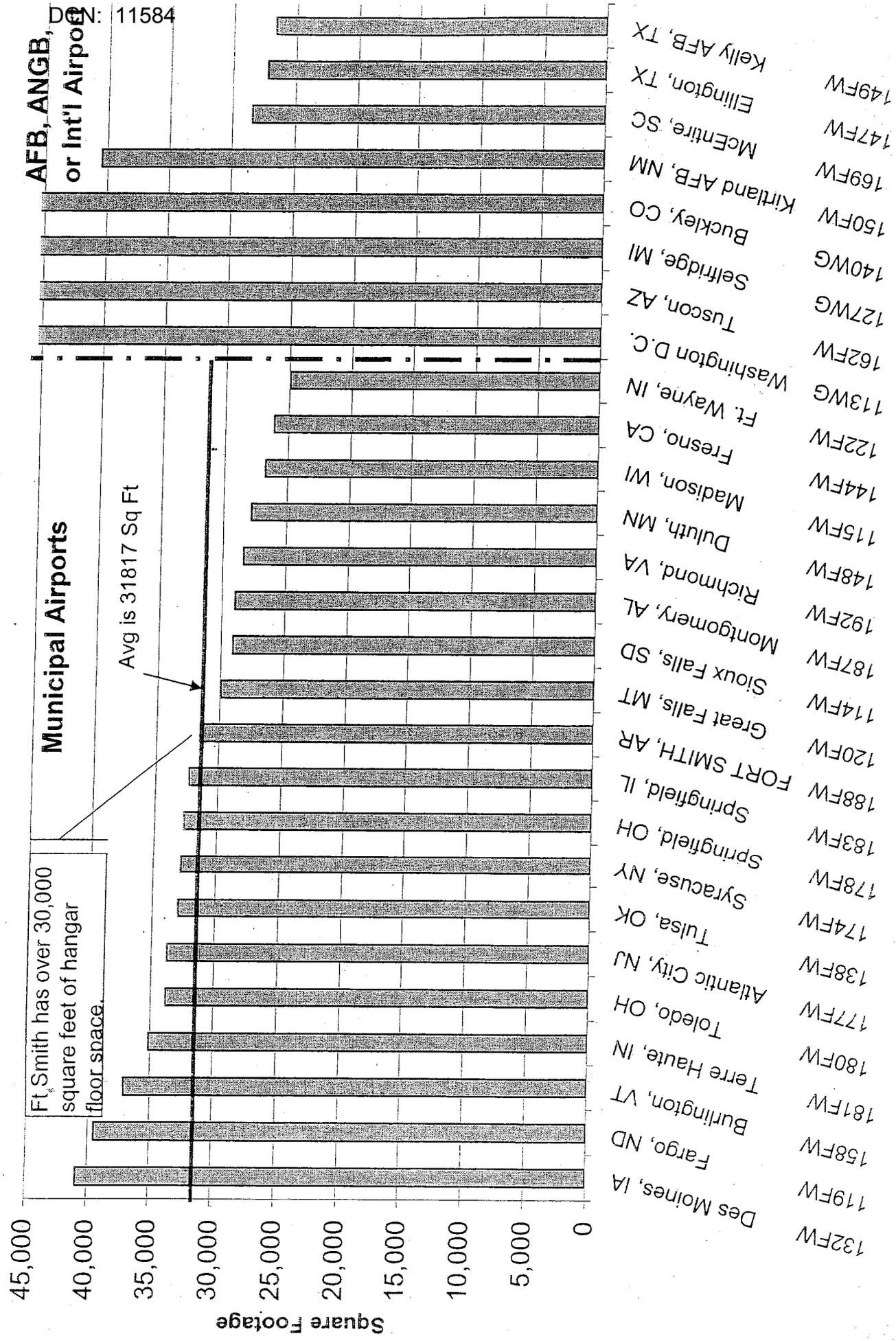
Avg is 398968 Sq Ft

Ft. Smith has the
10th most total
square footage of
19 measured ANG
F-16 units



ANG F-16 Units

Hangar Floor Space

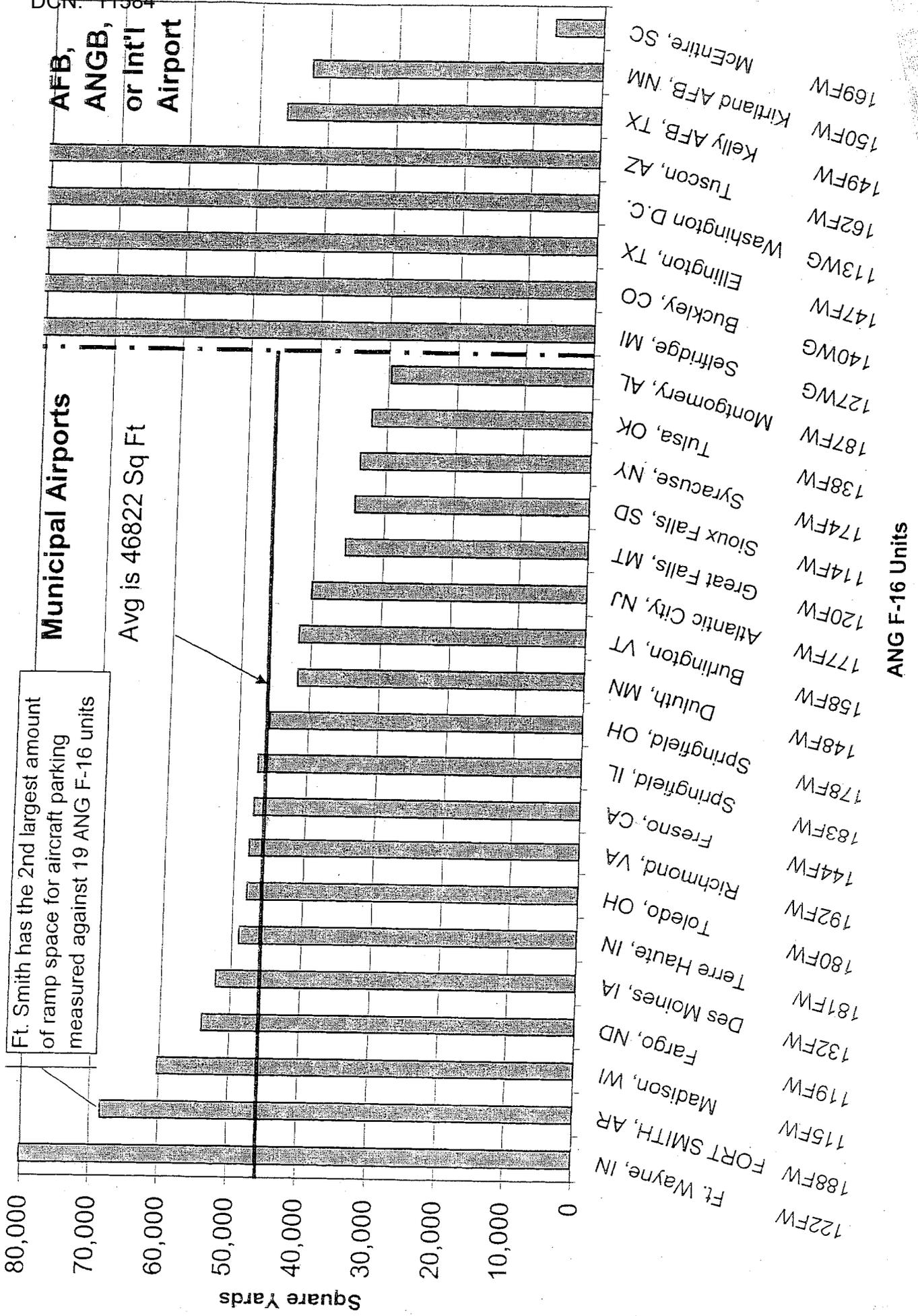


ANG F-16 Units

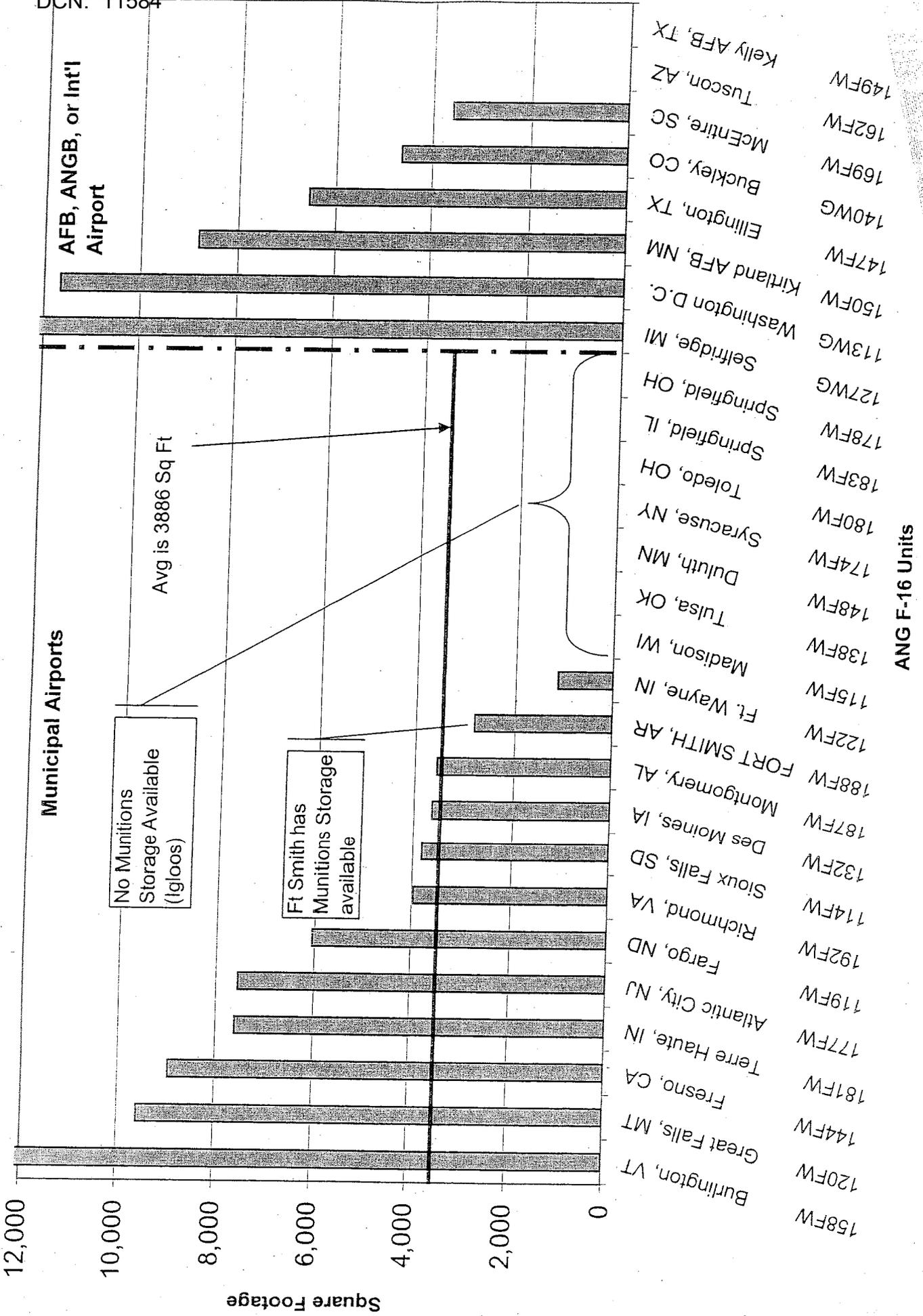
Doc: 11584

Ramp Space for Aircraft Parking

DGN: 11584



Munitions Storage Capability (Igloos)



FIRE PROTECTION

Unit	City, State	Facility	Local Pop.	Full Time Fire Protection	ANG Only Fire Protection
188FW	FT SMITH, AR	Muni Apt	81,500	X	
114FW	Sioux Falls, SD	Muni Apt	133,800	X	
115FW	Madison, WI	Muni Apt	218,400	X	
119FW	Fargo, ND	Muni Apt	91,500	X	
120FW	Great Falls, MT	Muni Apt	56,200	X	
122FW	Fort Wayne, IN	Muni Apt	219,500	X	
132FW	Des Moines, IA	Muni Apt	196,100	X	
138FW	Tulsa, OK	Muni Apt	387,800		X
144FW	Fresno, CA	Muni Apt	451,500		X
148FW	Duluth, MN	Muni Apt	85,700	X	
158FW	South Burlington, VT	Muni Apt	39,200	X	
174FW	Syracuse, NY	Muni Apt	144,000		X
177FW	Atlantic City, NJ	Muni Apt	40,400		X
178FW	Springfield, OH ***	Muni Apt	64,500	X	
180FW	Toledo, OH	Muni Apt	308,900		X
181FW	Terre Haute, IN	Muni Apt	58,100	X	
183FW	Springfield, IL	Muni Apt	113,600	X	
187FW	Montgomery, AL	Muni Apt	200,100	X	
192FW	Richmond, VA	Muni Apt	194,800		X
169FW	McEntire, SC	ANGB	117,400		X
13WG	Washington D.C.	AFB	563,400		X
27WG	Selfridge, MI	ANGB	17,100		X
40WG	Buckley, CO	AFB	290,400		X
47FW	Ellington, TX	ANGB	2,009,000		X
62FW	Tucson, AZ ***	INT'L	507,600	No Data	No Data
49FW	Kelly AFB, TX ***	AFB	1,214,700		X
50FW	Kirtland AFB, NM	ANGB	471,900		X

*** denotes an F-16 training wing

TALKING PAPER

ON

EXPANDED AIRCRAFT PARKING

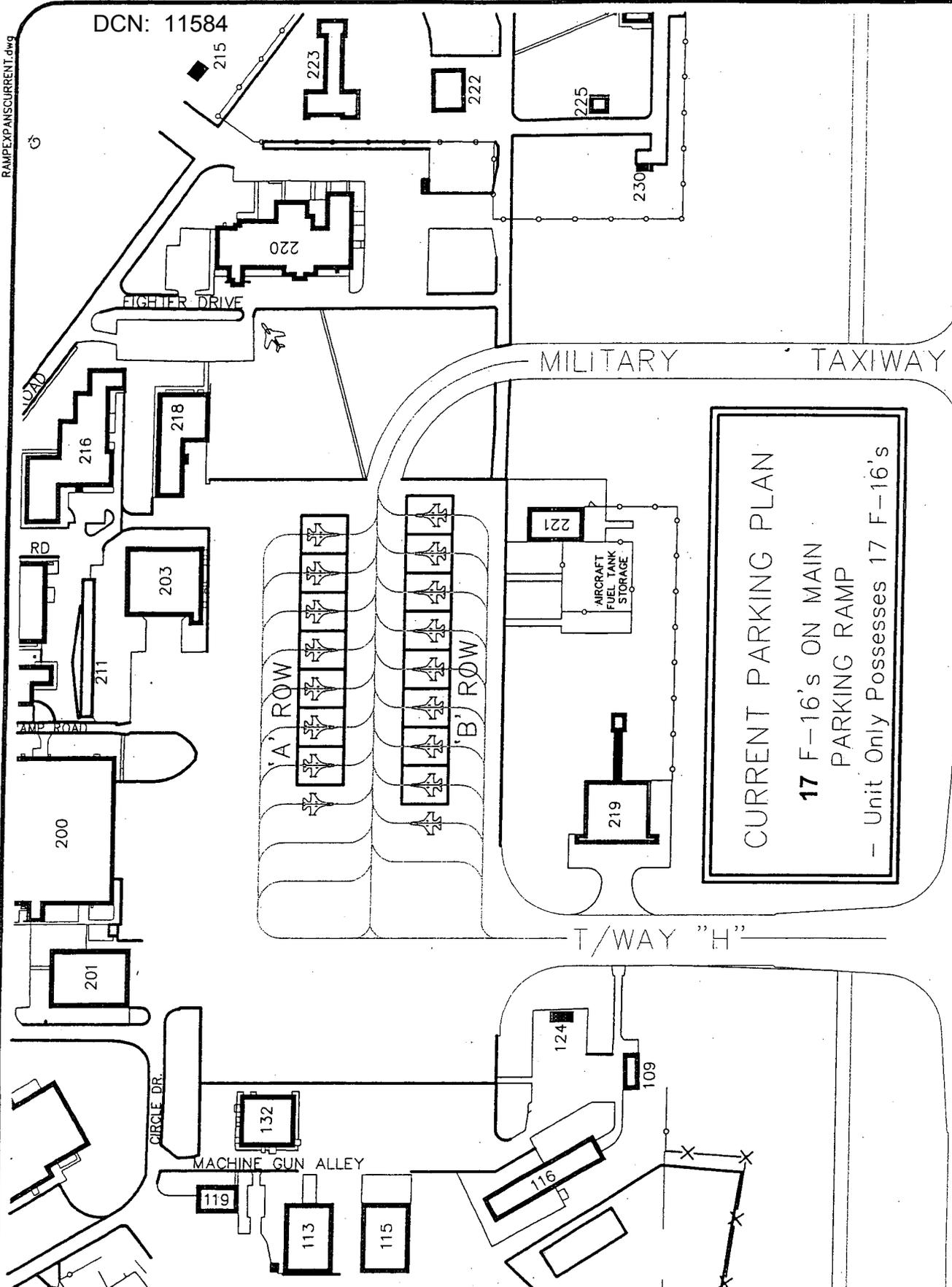
- The 188th Fighter Wing (FW) currently possesses a total of 68,522 square yards (SY) available for aircraft parking.
 - The 188th FW has the 2nd largest amount of aircraft parking compared to 19 like ANG units
 - Two separate parking areas are located within the boundaries of 188th FW
 - The current main parking ramp houses 17 fighter size aircraft on 46,889 SY (Attach 1)
 - The Cargo Deployment Processing Ramp (CDP Ramp) which has 21,633 SY can hold 12 fighter size aircraft (Attach 2)

- For the minimal cost of striping new taxiway line on the current ramp (Option 1):
 - The main aircraft parking apron could accommodate 25 fighter size aircraft (Attach 3)
 - The Cargo Deployment Ramp could accommodate 12 fighter size aircraft (Attach 2)
 - A total of **37 fighter size aircraft** could be accommodated at the 188th FW

- By enlarging the main aircraft parking apron with an additional 11,056 SY and constructing 200 LF of additional taxiway (Option 2):
 - The capability increases to 32 fighter size aircraft on the main parking ramp (Attach 4)
 - Or the capacity increases to 36 fighter size aircraft (Option 3, Attach 5)
 - Including the 12 fighter size aircraft on the CDP Ramp, the 188th Fighter Wing can park **44 to 48 fighter size aircraft**
 - This would include the demolition of one building and relocation of the aircraft engine testing facility (Hush House)
 - Total approximate cost would be **\$750,000**

- By enlarging the main aircraft parking ramp with an additional 22,018 SY and constructing 200 LF of additional taxiway (Option 4):
 - The capacity increases to 42 fighter size aircraft on the main parking ramp (Attach 6)
 - Or the capacity increases to 46 fighter size aircraft (Option 5, Attach 7)
 - Including the 12 fighter size aircraft on the CDP Ramp, the 188th FW can park **54 to 58 fighter size aircraft**
 - This would include the demolition of one building and relocation of the aircraft engine testing facility (Hush House)
 - Total approximate cost is **\$1,018,300**

DCN: 11584



CURRENT PARKING PLAN

17 F-16's ON MAIN
PARKING RAMP

- Unit Only Possesses 17 F-16's



ARKANSAS AIR NATIONAL GUARD
EBBING AIR NATIONAL GUARD BASE
 188th CIVIL ENGINEER SQUADRON
 4850 LEIGH AVENUE
 FORT SMITH, ARKANSAS 72903



PARKING
F-16 AIRCRAFT
SEVENTEEN
PLAN

Approved	Drawn	Scale	Date	Project No.	Drawing No.	Sheet
	JCH	1" = 200'	26AUG04	DR400804	014-10-0	1 of 7

RAMPEXPANSTERMINAL.dwg

DCN 11584

MACHINE GUN ALLEY

119

113

115

116

188

100

CIVIL ENG.

TAXIWAY "D"

WAY "E"

CARGO DEPLOYMENT RAMP
Capable of Parking Additionally
12 F-16's



ARKANSAS AIR NATIONAL GUARD
EBBING AIR NATIONAL GUARD BASE
188th CIVIL ENGINEER SQUADRON
4850 LEIGH AVENUE
FORT SMITH, ARKANSAS 72903



TWELVE
F-16 AIRCRAFT
PARKING
PLAN

Approved	
Drawn	JCH
Scale	1" = 200'
Date	26AUG04
Project No.	DR040730
Drawing No.	014-10-0
Sheet	7 of 7

DCN: 11584

215

223

222

225

230

220

FIGHTER DRIVE

AIRPORT PERIMETER ROAD

MILITARY TAXIWAY

MILITARY TAXIWAY

LOAD

216

218

203

211

RAMP ROAD

200

201

'A' ROW

'B' ROW

219

221

AIRCRAFT FUEL TANK STORAGE

OPTION 1

- 25 F-16's ON MAIN PARKING RAMP
- 12 F-16's ON CARGO DEPLOYMENT RAMP
- 37 F-16's TOTAL
- \$1200 to paint lines (min. cost)

T/WAY "H"

CIRCLE DR.

MACHINE GUN ALLEY

132

119

113

115

124

109

116



ARKANSAS AIR NATIONAL GUARD
EBBING AIR NATIONAL GUARD BASE
 188th CIVIL ENGINEER SQUADRON
 4850 LEIGH AVENUE
 FORT SMITH, ARKANSAS 72903



TWENTY-FIVE F-16 AIRCRAFT PARKING PLAN

Approved	524	Scale	1" = 200'
Drawn		Date	26AUG04
		Project No.	DR040804
		Drawing No.	014-10-0
		Sheet	2 of 7

RAMPEXPANSION2.dwg

DCN: 11584

215

223

222

225

230

220

FIGHTER DRIVE

AIRPORT PERIMETER ROAD

MILITARY TAXIWAY

MILITARY TAXIWAY

216

218

203

211

RD

AMP ROAD

200

201

'A' ROW

'B' ROW

'C' ROW

OPTION 2

- 32 F-16's ON MAIN PARKING RAMP
- 12 F-16's ON CARGO DEPLOYMENT RAMP
- 44 F-16's TOTAL
- \$750,000 Approx. Const. Cost

CIRCLE DR.

MACHINE GUN ALLEY

T/WAY "H"

124

109

119

113

115

116



ARKANSAS AIR NATIONAL GUARD
 EBBING AIR NATIONAL GUARD BASE
 188th CIVIL ENGINEER SQUADRON
 4850 LEIGH AVENUE
 FORT SMITH, ARKANSAS 72903



**THIRTY-TWO
 F-16 AIRCRAFT
 PARKING
 PLAN**

Approved	5/4
Drawn	5/4
Scale	1" = 200'
Date	26AUG04
Project No.	DR040804
Drawing No.	014-10-0
Sheet	3 of 7

RAMPEXPANSION1.dwg

DCN: 11584

215

223

222

225

230

220

FIGHTER DRIVE

ROAD

216

218

203

211

RAMP ROAD

200

201

CIRCLE DR.

'A' ROW

'B' ROW

'C' ROW

MILITARY TAXIWAY

TAXIWAY

AIRPORT PERIMETER ROAD

OPTION 3

- 36 F-16's ON MAIN PARKING RAMP
- 12 F-16's ON CARGO DEPLOYMENT RAMP
- 48 F-16's TOTAL
- \$750,000 Approx. Const. Cost

T/WAY "H"

124

109

MACHINE GUN ALLEY

119

113

115

116



ARKANSAS AIR NATIONAL GUARD
 EBBING AIR NATIONAL GUARD BASE
 188th CIVIL ENGINEER SQUADRON
 4850 LEIGH AVENUE
 FORT SMITH, ARKANSAS 72903



**THIRTY-SIX
 F-16 AIRCRAFT
 PARKING
 PLAN**

Approved

Drawn *SEA*

Scale 1" = 200'

Date 26AUG04

Project No. DR040804

Drawing No. 014-10-0

Sheet 4 of 7

DCN: 11584

215

223

222

225

230

220

FIGHTER DRIVE

AIRPORT PERIMETER ROAD

MILITARY TAXIWAY

MILITARY TAXIWAY

216

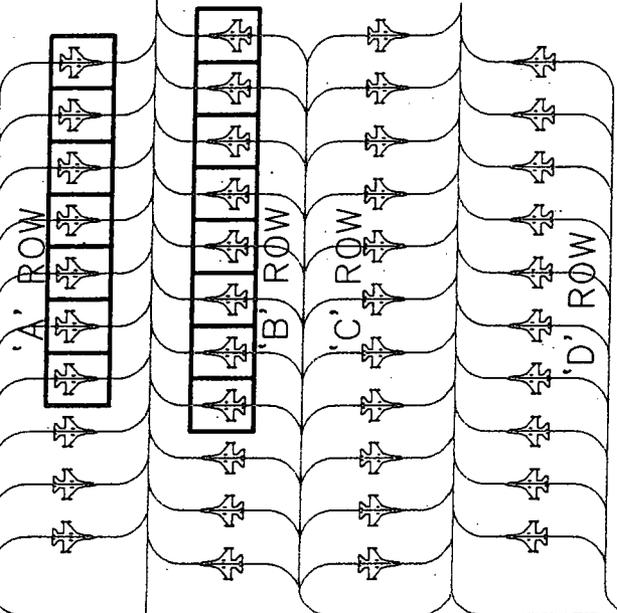
218

203

211

200

201



OPTION 4

- 42 F-16's ON MAIN PARKING RAMP
- 12 F-16's ON CARGO DEPLOYMENT RAMP
- 54 F-16's TOTAL
- \$1,018,300 Approx. Const. Cost

CIRCLE DR

MACHINE GUN ALLEY

T/WAY "H"

124

109

119

113

115

116



ARKANSAS AIR NATIONAL GUARD
EBBING AIR NATIONAL GUARD BASE
188th CIVIL ENGINEER SQUADRON
4850 LEIGH AVENUE
FORT SMITH, ARKANSAS 72903



FORTY-TWO
F-16 AIRCRAFT
PARKING
PLAN

Approved	Scale	Date	Project No.	Drawing No.	Sheet
<i>JCH</i>	1" = 200'	04AUG04	DR0400804	014-10-0	5 of 7

RAMPEXPANSIONS.dwg

DCN: 11584

215

223

222

225

230

220

FIGHTER DRIVE

AIRPORT PERIMETER ROAD

MILITARY TAXIWAY

216

218

203

211

200

201

'A' ROW

'B' ROW

'C' ROW

'D' ROW

OPTION 5

- 46 F-16's ON MAIN PARKING RAMP
- 12 F-16's ON CARGO DEPLOYMENT RAMP
- 58 F-16's TOTAL
- \$1,018,300 Approx. Const. Cost

CIRCLE DR.

MACHINE GUN ALLEY

124

109

T/WAY "H"

119

113

115

116



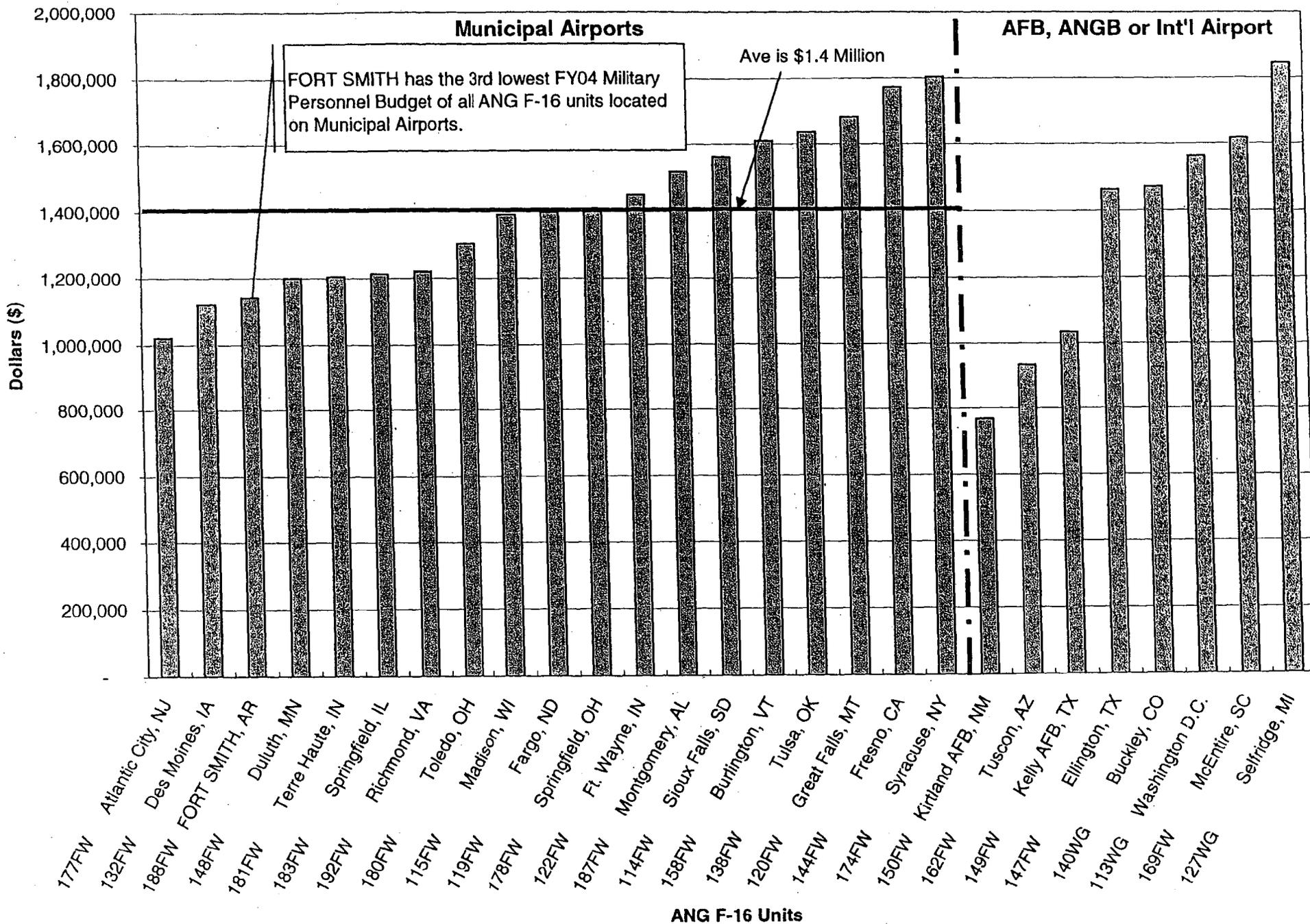
ARKANSAS AIR NATIONAL GUARD
EBBING AIR NATIONAL GUARD BASE
 188th CIVIL ENGINEER SQUADRON
 4850 LEIGH AVENUE
 FORT SMITH, ARKANSAS 72903



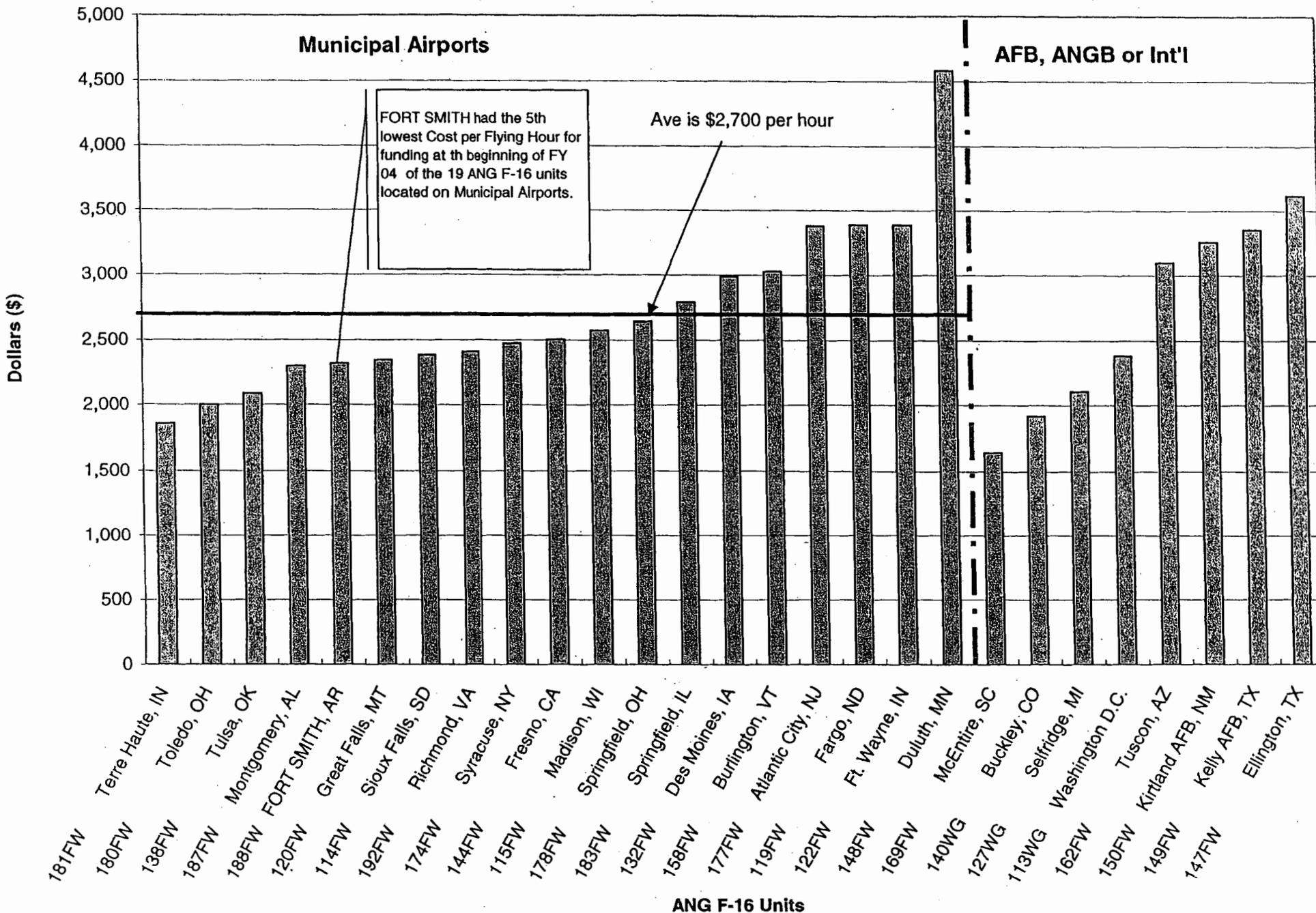
FORTY-SIX F-16 AIRCRAFT PARKING PLAN

Approved	<i>JCH</i>
Scale	1" = 200'
Date	04AUG04
Project No.	DR0400804
Drawing No.	014-10-0
Sheet	6 of 7

188th FW, Military Personnel Budget Comparison, FY 04



188th FW, Cost per Flying Hour Comparison, FY 04



TALKING PAPER

ON

188th FIGHTER WING
AIR SPACE

- The 188th FW is uniquely positioned in the central part of the CONUS and has multiple MOAs (Military Operating Areas) and Ranges available for training
 - **RAZORBACK RANGE (R2401/R2402)**
 - Size: Altitude Surface to 30,000', 15 x 7 NM
 - Distance from Fort Smith: 15 NM
 - Training Uses: Air-to-Ground—Surface Attack, CAS, TST, LGBs
 - Contiguous to MOA Airspace with unlimited flow between airspace
 - Authorized for use of:
 - Both Chaff / Flares
 - ECM Pods
 - Combat Laser Capable
 - SADL Radios and Link 16
 - Tactics Range with Threat Emitters / Smokey SAMs
 - Training Site for Special Forces and Joint Operations
 - Navy Seals
 - Army "Teams"
 - AF Forward Air Controllers
 - Fully night capable and night CAS capability
 - Scheduled and Managed by Arkansas National Guard
 - Mountainous and forested Area
 - **HOG MOA**
 - Size: Surface to 23,000' connected to Razorback Range, 55x50 NM
 - Distance from Fort Smith: 10 NM
 - Training Uses: Low Altitude Air-to-Air, Air-to-Ground
 - Contiguous to Razorback Range
 - Unlimited entry and exit onto the range
 - Ability to attack range from MOA and return
 - Authorized for use of:
 - Both Chaff / Flares
 - ECM Pods
 - Combat Lasers On Razorback Range
 - Full Spectrum SADL Radios and Link 16
 - Tactics Range with Threat Emitters / Smokey SAMs from Razorback range
 - Training Site for Special Forces and Joint Operations
 - Navy Seals
 - Army "Teams"
 - AF Forward Air Controllers
 - Scheduled and Managed by Arkansas National Guard
 - Overlies mountainous Forested Terrain
 - Sparsely populated with minimal noise issues and low population growth

▪ **SHIRLEY MOA**

- Size: Altitudes 10,000'-29,000', 80 x 42 NM
- Distance from Fort Smith: 65 NM
- Training Uses: Air-to-Air, Air-to-Ground
- Primary airspace for air combat training and long range missile employment
- Air Refueling track collocated within airspace
- Overlies targets for medium/high altitude Precision guided weapons practice
- Authorized for use of:
 - Both Chaff / Flares
 - ECM Pods
 - Night Pointing Lasers
 - Full Spectrum SADL Radios and Link 16
- Scheduled and Managed by Arkansas National Guard
- Overlies mountainous forested terrain
- Sparsely populated with no noise issues and low population growth

▪ **LINDBERGH MOA**

- Size: Altitudes 8000'- 50,000', 60 x 90 NM
- Distance from FSM: 140 NM
- Training Uses: Air-to-Air, Air-to-Ground
- Air Refueling tracks located within and north of MOA Airspace
- Overlies targets for medium to high altitude laser guided weapons practice
- Authorized for use of:
 - Both Chaff / Flares
 - ECM Pods
 - Night Pointing Lasers
 - Full spectrum SADL Radios and Link 16
- Cannon Range – Adjacent to Lindbergh MOA
 - Allows seamless flow from Air to Air scenarios to surface attack

▪ **RIVERS MOA**

- Size: 8,000'-22,000', 45 x 45 NM
- Distance from FSM: 55 NM
- Training Uses: Air-to-Air, Air-to-Ground
- Secondary airspace for air combat training
- Air Refueling track collocated within airspace
- Overlies targets for medium/high altitude Precision guided weapons practice
- Authorized for use of:
 - Both Chaff / Flares
 - ECM Pods
 - Night Pointing Lasers
 - Full Spectrum SADL Radios and Link 16
- Overlies mountainous forested terrain
- Sparsely populated with no noise issues and low population growth

▪ **EUREKA MOA**

- Size: 2,500'-45,000', 48x40 NM
- Distance from FSM: 135 NM
- Training Uses: Air-to-Air, Air-to-Ground

- Nine Local IR/VR Routes – six go through the Hog MOA to Razorback Range
- The 188th FW is currently working on airspace initiatives to expand and improve our current airspace to increase our combat capability
 - Hog MOA/R-2402 Modification (see attachment 2)
 - Create Tusk MOA/ATCAAs 16000' MSL – FL220
 - Create R-2402B 10000' MSL – 22000' MSL
 - Shirley MOA Modification (see attachment 3)
 - Modify Shirley “B/C” MOAs/ATCAAs 11000' MSL – **FL500**
 - Create Shirley “A” Sector MOA/ATCAA 11000' MSL – **FL500**
 - Create Shoals ATCAA FL180 - FL500
 - Add provisions for supersonic operations
- The 188th FW is centrally located to train with other military units and other-government agencies.
 - Joint Force Time Sensitive Targeting Exercises with Army, Air Operations Centers, and Intelligence squadrons (see attachment 4)
 - Centrally located for training with Command and Control/Intelligence High demand assets. (AWACS in OK, JSTARS in GA, and Rivet Joint in Nebraska) (see attachment 5)
 - Centrally positioned for training with joint service assets (see attachment 6)

□ The following are questions pertaining to airspace that the 188th Fighter Wing can answer "YES" to **IN ALL CASES**

- Does the unit own/schedule the airspace?
- Is the airspace in close proximity to the unit?
- Is the airspace primarily over land to facilitate air-to-ground training?
- Is the airspace unrestricted with respect to noise sensitive areas/national forests/etc.?
- Does the unit own a Training Range?
- Is the range foot-printed for Laser use?
- Is the range a tactics range with multiple target arrays?
- Is the airspace centrally located for joint use?
- Are there any airspace proposals in place for airspace expansion?
- Is the unit's airspace centrally located to support frequent training with AWACS, JSTARS and Rivet Joint aircraft?
- Does the unit's airspace support regular training with forward air controllers and Special Forces.
- Does the unit's airspace support face-to-face briefs and debriefs with forward air controllers and Special Forces.
- Does the airspace have low-level training areas that terminate in the airspace?

Distance to Primary Bombing Range

Location	Unit	Primary Range	Primary AA	Secondary AA	LOW ALT
Muni Apt	188FW FORT SMITH, AR	15	65	55	10
Muni Apt	177FW Atlantic City, NJ	30	100	60	None
Muni Apt	174FW Syracuse, NY	60	80	90	60
Muni Apt	181FW Terre Haute, IN	60	120	90	90
Muni Apt	115FW Madison, WI	80	70	None	None
Muni Apt	178FW Springfield, OH	90	50	140	50
Muni Apt	122FW Ft. Wayne, IN	110	70	150	70
Muni Apt	158FW Burlington, VT	110	110	75	120
Muni Apt	192FW Richmond, VA	120	100	140	120
Muni Apt	187FW Montgomery, AL	140	80	60	80
Muni Apt	148FW Duluth, MN	165	80	120	120
Muni Apt	138FW Tulsa, OK	175	100	120	190
Muni Apt	180FW Toledo, OH	185	130	140	130
Muni Apt	183FW Springfield, IL	190	50	180	50
Muni Apt	132FW Des Moines, IA	210	100	None	100
Muni Apt	114FW Sioux Falls, SD	300	110	140	140
Muni Apt	120FW Great Falls, MT	325	140	None	140
Muni Apt	119FW Fargo, ND	None	125	150	150
Muni Apt	144FW Fresno, CA	None	105	160	105
ANGB	169FW McEntire, SC	30	120	180	90
AFB	140WG Buckley, CO	75	130	140	130
AFB	149FW Kelly AFB, TX	75	90	150	120
AFB	113WG Washington D.C.	130	140	160	50
ANGB	150FW Kirtland AFB, NM	140	75	120	75
ANGB	147FW Ellington, TX	150	100	150	150
ANGB	127WG Selfridge, MI	160	120	None	120

Average

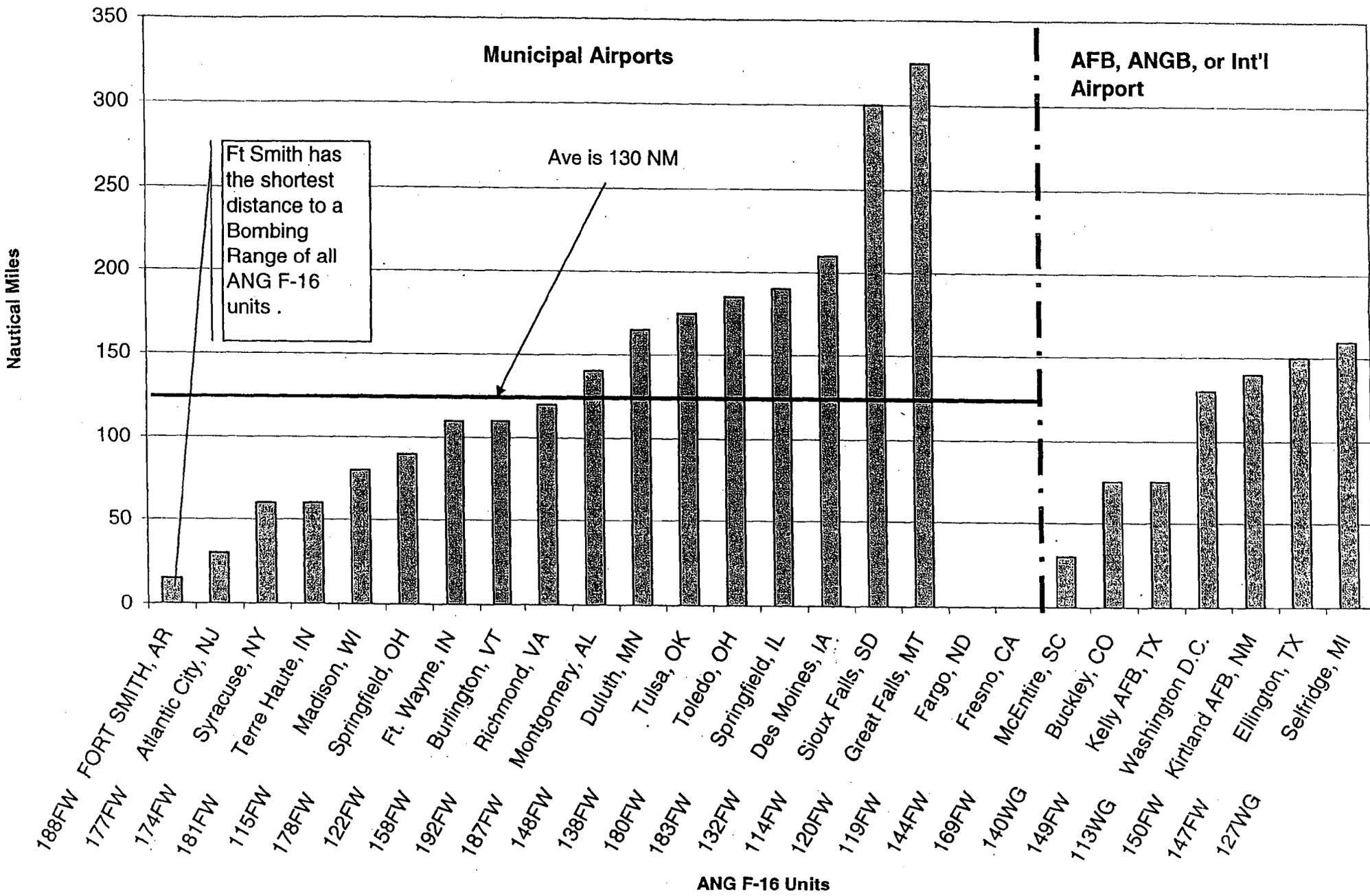
130

98

126

103

188th FW Distance to Bombing Range



Distance to Primary Air to Air Range

Location	Unit	Primary Range	Primary AA	Secondary AA	LOW/ALT
Muni Apt	178FW Springfield, OH	90	50	140	50
Muni Apt	183FW Springfield, IL	190	50	180	50
Muni Apt	188FW FORT SMITH, AR	35	65	55	10
Muni Apt	115FW Madison, WI	80	70	None	None
Muni Apt	122FW Ft. Wayne, IN	110	70	150	70
Muni Apt	148FW Duluth, MN	165	80	120	120
Muni Apt	174FW Syracuse, NY	60	80	90	60
Muni Apt	187FW Montgomery, AL	140	80	60	80
Muni Apt	132FW Des Moines, IA	210	100	None	100
Muni Apt	138FW Tulsa, OK	175	100	120	190
Muni Apt	177FW Atlantic City, NJ	30	100	60	None
Muni Apt	192FW Richmond, VA	120	100	140	120
Muni Apt	144FW Fresno, CA	None	105	160	105
Muni Apt	114FW Sioux Falls, SD	300	110	140	140
Muni Apt	158FW Burlington, VT	110	110	75	120
Muni Apt	181FW Terre Haute, IN	60	120	90	90
Muni Apt	119FW Fargo, ND	None	125	150	150
Muni Apt	180FW Toledo, OH	185	130	140	130
Muni Apt	120FW Great Falls, MT	325	140	None	140
ANGB	150FW Kirtland AFB, NM	140	75	120	75
AFB	149FW Kelly AFB, TX	75	90	150	120
ANGB	147FW Ellington, TX	150	100	150	150
ANGB	127WG Selfridge, MI	160	120	None	120
ANGB	169FW McEntire, SC	30	120	180	90
AFB	140WG Buckley, CO	75	130	140	130
AFB	113WG Washington D.C.	130	140	160	50

Average

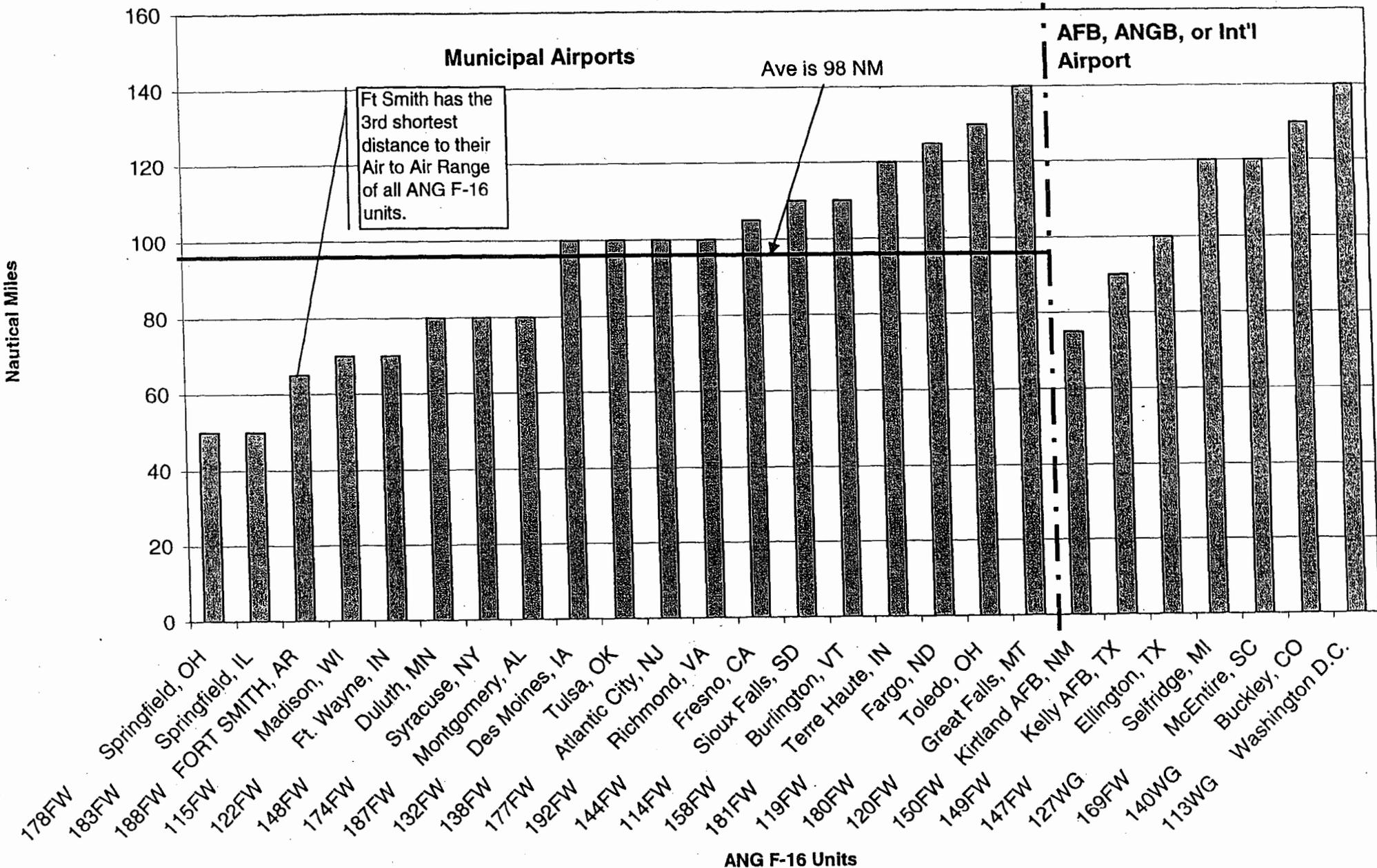
130

98

126

103

188th FW Distance to Primary Air to Air Range



Distance to Low Altitude Range

Location	Unit	Primary Range	Primary AA	Secondary AA	LOW ALT
Muni Apt	188FW FORT SMITH, AR	15	65	55	10
Muni Apt	178FW Springfield, OH	90	50	140	50
Muni Apt	183FW Springfield, IL	190	50	180	50
Muni Apt	174FW Syracuse, NY	60	80	90	60
Muni Apt	122FW Ft. Wayne, IN	110	70	150	70
Muni Apt	187FW Montgomery, AL	140	80	60	80
Muni Apt	181FW Terre Haute, IN	60	120	90	90
Muni Apt	132FW Des Moines, IA	210	100	None	100
Muni Apt	144FW Fresno, CA	None	105	160	105
Muni Apt	148FW Duluth, MN	155	80	120	120
Muni Apt	158FW Burlington, VT	110	110	75	120
Muni Apt	192FW Richmond, VA	120	100	140	120
Muni Apt	180FW Toledo, OH	185	130	140	130
Muni Apt	114FW Sioux Falls, SD	300	170	140	140
Muni Apt	120FW Great Falls, MT	325	140	None	140
Muni Apt	119FW Fargo, ND	None	125	150	150
Muni Apt	138FW Tulsa, OK	175	100	120	190
Muni Apt	115FW Madison, WI	80	70	None	None
Muni Apt	177FW Atlantic City, NJ	30	100	60	None
AFB	113WG Washington D.C.	130	140	160	50
ANGB	150FW Kirtland AFB, NM	140	75	120	75
ANGB	169FW McEntire, SC	30	120	180	90
ANGB	127WG Selfridge, MI	160	120	None	120
AFB	149FW Kelly AFB, TX	75	90	150	120
AFB	140WG Buckley, CO	75	130	140	130
ABGB	147FW Ellington, TX	150	100	150	150

Average

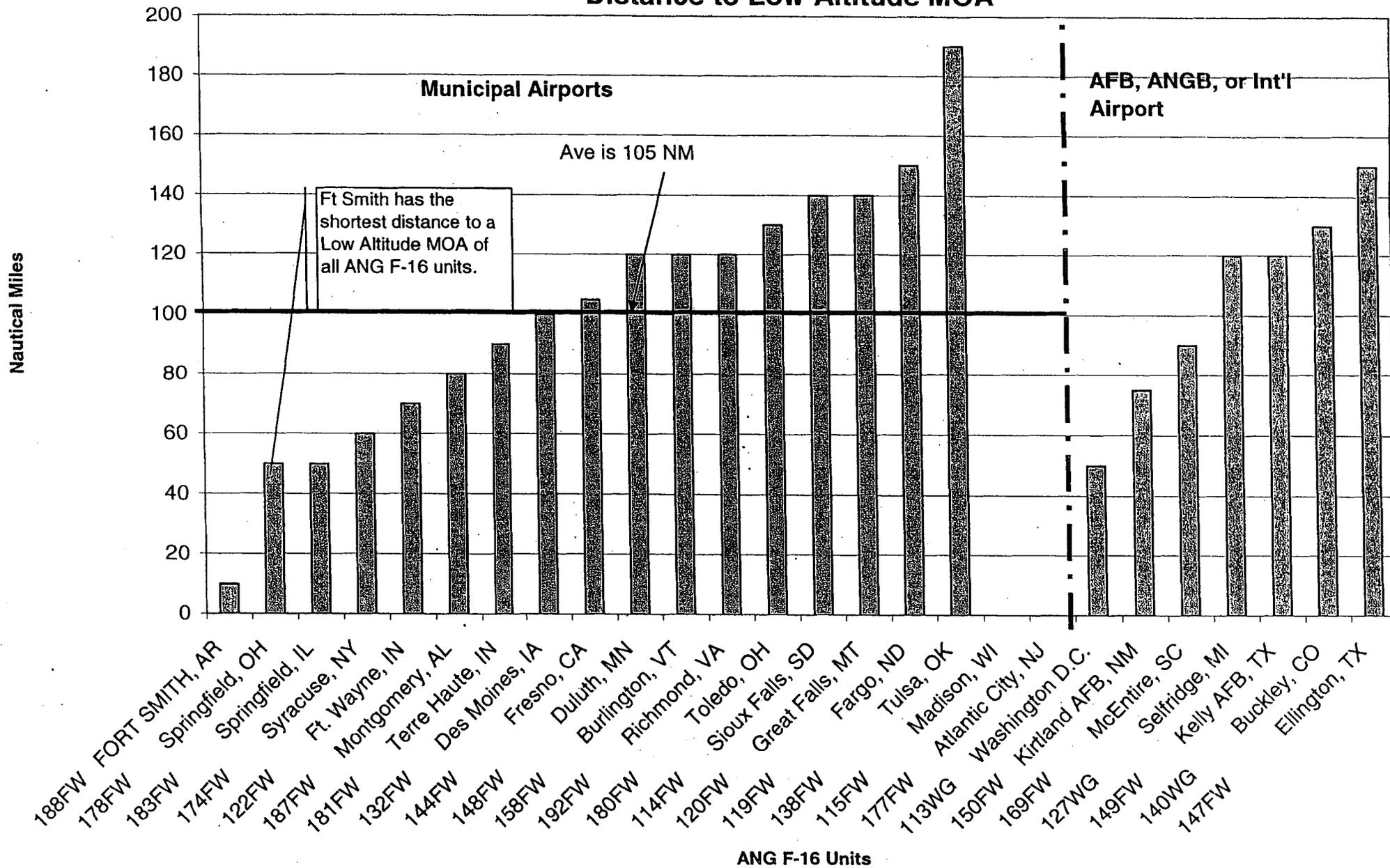
133

98

124

105

188th FW Distance to Low Altitude MOA



TALKING PAPER

ON

REGIONAL TRAINING SITE and the FIRE TRAINING FACILITY
(RTS) (FTF)

- The Air National Guard established its **first** Regional Training Site (RTS) in June 1994 at the 188th Fighter Wing.
 - The 188th Regional Training Site (RTS) is still 1 of only 5 throughout the nation
- The Air National Guard established a Fire Training Facility (FTF) in May 2002 at the 188th Fighter Wing.
 - The Fire Training Facility is 1 of only 3 associated with the 5 Regional Training Sites
- The 188th Regional Training Site and Fire Training Facility were established to provide training for upgrading the proficiency levels of all Air Force Civil Engineers and Fire Fighters for taskings that have a direct impact on wartime mission accomplishment.
- The 188th Regional Training Site and Fire Training Facility provide readiness and upgrade training that cannot be obtained through home station training because of the complexity of the tasks, the uniqueness of equipment and the cost of Air Force wide implementation.
- The 188th Regional Training Site provides integrated training utilizing all Mission Support Group units, which includes Civil Engineering, Security Police, Communications, Personnel Support for Contingency Operations, Medics and Services.
- The 188th Fire Training Facility is the **only** ANG facility that is both FAA and DOD certified. This results in an innate capability to certify Joint Forces and FAA Fire Fighters.
 - 188th personnel supervise civilians, such as local FAA Fire Fighters, who use the facility
- Total Force and Joint Forces utilize the 188th RTS and FTF.
 - This includes Air Force Major Commands such as Air Education and Training Command, Air Force Space Command, Air Force-Material Command and the Army National Guard.
 - Civilian organizations include the FAA, U.S. Forest Service, Civil Air Patrol and the State of Arkansas Drug Task Force.
- To date, the 188th Regional Training Site has trained 109 units and over 6000 personnel with an average of 12 teams per year utilizing its facilities. Over 650 personnel have been trained at the Fire Training Facility since it came into service in May 2002.
- A \$7.7 million Contingency Equipment Package has been authorized for the Regional Training Site. \$4.6 million worth of equipment is on hand every day for both training and for state emergency response. This includes heavy equipment and generators that can be utilized at the discretion of the Governor during emergencies.

TALKING PAPER

ON

**FACILITY OPERATIONS AND MAINTENANCE AGREEMENT FUNDING
(FOMA)**

- The Facility Operations and Maintenance Agreement (FOMA) for the 188th Fighter Wing is funded by the State of Arkansas (a 25% share) and the Federal Government (a 75% share).
 - For every \$1 the State of Arkansas provides to the 188th, the Federal Government contributes an additional \$3
 - A true 75 / 25 split. 3 dollars for each 1 dollar received from the State
- Facility Operations and Maintenance Agreement (FOMA) funds are required for the following:
 - Airport Joint Use Agreement (AJUA)
 - Utilities (electric, water, natural gas, refuse, sewer)
 - State of Arkansas employee salaries, and their benefits and bonuses
 - Maintenance supplies
 - Services such as custodial, pest management and Fire Protection
 - The operation and maintaining of the base real property, (i.e. Razorback Range)
- The State of Arkansas currently only provides \$230,733 to the 188th Fighter Wing. (FY04)
 - This automatically limits the Federal Share to \$692,199 (3 to 1 matching)
 - In turn, this limits the overall FOMA budget to \$922,932 (Atch 1 & 2)
- The Air National Guard performed an economic analysis in 2004 and determined that the 188th Fighter Wing requires \$1,168,267 to maintain and operate current facilities.
 - This requires the State of Arkansas to provide \$292,067 (U.S. match \$876,200)
 - Since current state funding is limited to \$230,733, the State of Arkansas created a **deficit of \$61,334**
 - Deficit has resulted in the loss of contributing funds in the amount of \$184,002
- Currently, required expenses are \$874,100
 - Utilities were \$294,100 (FY 03 Actual Cost)
 - State Employee Salaries and Benefits being approximately \$520,000 for FY 04
 - Airport Joint Use Agreement is \$60,000 per year
- There has been no substantial State of Arkansas increase in the past 9 years.
 - FY 95 State Funds were \$218,592
 - Current State funds are \$230,733 for FY 04
- Due to the limitation of funds, the direct impact to the 188th Fighter Wing includes:
 - The inability to hire 5 additional base maintenance employees which are authorized
 - Conducting maintenance and repairs on an "as needed" or emergency basis as opposed to performing preventive or scheduled maintenance
 - Risking the receipt of construction funding for future new facilities which would enhance the overall combat and training capability of the 188th Fighter Wing