

Fort Riley

Military Value Analysis Data

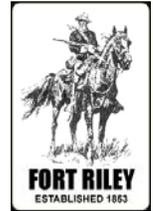
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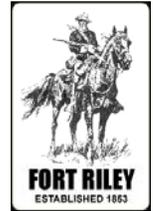


Definitions for Attributes within the Army's Military Value Analysis Model

(GAO 14-76 Defense Infrastructure, Appendix III)



Attribute	Definition
Maneuver land	Formula calculates the ratio of available land and required maneuver land.
Range sustainability	Formula calculates the ratio of land with future restricted use to required land.
Training facilities	Formula weights and sums categorical ratings for ranges, battle command centers, and training support centers.
Airspace	Categorical rating based on the largest single restricted area and total of all restricted areas.
Indirect fire	Categorical rating based on largest indirect fire weapons fired and distance from firing point to impact area.
Deployment infrastructure	Categorical rating based on rail cars per day, railhead on or off post, and aircraft parking, among other factors.
Seaport of embarkation	Categorical rating based on proximity to seaport.
Aerial port of embarkation	Categorical rating based on proximity to airport.
Access to medical care	Formula weights and sums categorical ratings for the capacity of medical facilities on and off the installation.
Quality of life facilities	Sum of scores for presence and capacity of chapels, fitness centers, Army community services, child development centers, and youth services.
Family housing	Formula weights and sums the projected housing deficit or surplus both on and off the installation.
Brigade complex	Formula averages categorical ratings for condition and quantity of brigade combat team facilities.
Buildable acres	Sum of all the buildable acreage on the installation not counting training land.
Urban sprawl	Formula calculates the expected density of people in 10-mile zone outside the installation.
Connectivity	Formula weights and sums categorical ratings of network infrastructure and commercial cell phone coverage on and off the installation.
Geographic distribution	Formula calculates the average distance between installations



Definitions of Military Terms

Serviced Population: The number of assigned Soldiers, Civilian employees, Contractors and other employees, and Family Members who live and/or work on the installation, plus the number of Department of Defense Retirees in the surrounding eight counties.

Cantonment Area: The area of a military installation where troops and families are housed and where motorpools, warehouses and other support facilities are located. These areas are generally not used for training

Maneuver Land: Land, outside of the Cantonment Area, used for maneuver training by troops and various military equipment.

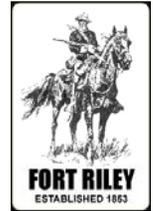
Heavy Maneuver Area: Maneuver Land suitable for mechanized/armor (tanks and other tracked vehicles) training and maneuver

Light Maneuver Area: Maneuver Land suitable for non-mechanized (infantry and wheeled vehicle) training and maneuver

Impact Area: An area of the installation designated for training with weapons using live ammunition. Typically an impact area contains an off-limits interior portion where Artillery and Mortar rounds impact, surrounded by small arms (pistol, rifle, automatic weapon, grenade, etc.) ranges.

Brigade: A military unit of 3,000 to 5,000 Soldiers, typically commanded by a Colonel. Fort Riley has two Armor Brigades, one Infantry Brigade, one Aviation Brigade, and one Sustainment (Logistical Support) Brigade

Battalion: A military unit of 300 to 1,300, typically commanded by a Lieutenant Colonel. Three to seven Battalions make up a Brigade.



Definitions of Military Terms

Endangered / Threatened Species: Species of plants, animals, and fungi designated by a State or Federal Government agency as under threat of extinction. Designation typically affords the organism and their habitat with legal protections of various levels. Fort Riley is home to three Federally-listed species.

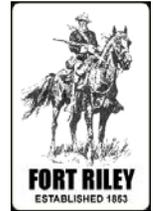
Encroachment: Physical or regulatory impediments to the execution of the training mission from sources outside of the installation. Construction just off the installation that results in incompatible land uses, such as housing that results in homeowner complaints about mission-generated noise, smoke or dust; Installation of cell phone towers that create aviation hazards or cause electronic interference with communication or navigation systems; or designation of critical habitat for threatened or endangered species on post that limits the land's use for training.

Conservation Easement: A perpetual easement on land, typically purchased and held by a non-Governmental organization, wherein the landowner sells various rights to property while retaining ownership of and the ability to use the land for permitted purposes. Conservation easements purchased on behalf of the Army under the Army Compatible Use Buffer (ACUB) program result in the purchase of rights to develop land for housing and other uses incompatible with military training. The landowner generally retains the right to continue farming and ranching the property under easement.

Shoothouse: A live ammunition small arms range configured to represent residential, commercial or industrial spaces to train personnel for close contact combat in urban environments.

Restricted Airspace: Areas designated by the FAA to denote the existence hazards to aircraft such as artillery firing, aerial gunnery, or other military uses. Commercial and general aviation is typically prohibited from using restricted airspace. Most of the area over Fort Riley is Restricted Airspace.

MOA: Areas designated by the FAA to segregate certain nonhazardous military activities from commercial and general aviation. The Riley MOA covers areas north and west of Fort Riley. The Ada East and Ada West MOAs covers and area roughly from Wakefield west to Russell, and North from Beloit to Concordia and Marysville.



Definitions of Military Terms

Air (Aerial) Port of Embarkation / Air (Aerial) Port of Debarkation (APOE/APOD): An air terminal at which troops, units, military-sponsored personnel, unit equipment, and materiel board and are loaded (embarkation) or unloaded (debarkation). Fort Riley's primary APOE/ APOD is Forbes Field, secondary is Manhattan Regional Airport.

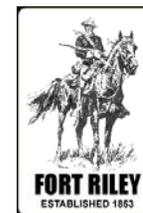
Sea Port of Embarkation / Sea Port of Debarkation (SPOE/SPOD): A sea terminal terminal at which troops, units, military-sponsored personnel, unit equipment, and materiel board and are loaded (embarkation) or unloaded (debarkation). Fort Riley's primary SPOE/SPODs are the Port of Beaumont or Port of Corpus Christi, TX

Child Development Center: Army operated child care facilities. Most offer daily or hourly child care to Soldiers and Civilian employees for a fee. Fort Riley has one facility that offers overnight care for emergencies.



Fort Riley

Military Value Analysis Data



Fort Riley

Location: Geary / Riley Counties, Kansas

Component: Army

Major Command:

- 1st Infantry Division – U.S. Army Forces Command (FORSCOM)

Total Number of Employees: 25,298

- Military – 18,176
- Civilian – 7,122
- Serviced Population – 53,019

Size of installation in acreage/square miles: 101,733 Acres / 159 sq. miles

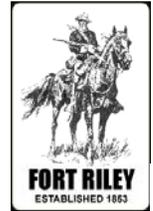
- Includes 92,144 Acres of Training Land
- Includes 9,589 Acres of Cantonment Area (Garrison)





Attribute #1: Training

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities



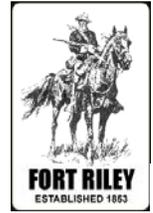
Maneuver Land

- **Fort Riley's combined assets allow us to train Armored Brigade Combat Teams and an Infantry Brigade Combat Team simultaneously with Aviation Brigade or Joint Aviation support**
- **Fort Riley's available maneuver land resources and capabilities are larger than our installation footprint alone through the use of simulations and the Great Plains Joint Training Center**
- **72,653 acre Heavy Maneuver Area adjacent to Cantonment Area**
- **3,845 acre Light Maneuver Areas contiguous to Cantonment Area**
- **15,646 acre Impact Area with perimeter ranges, offset from the main maneuver area**
- **Training Land available on post allows for:**
 - Brigade-level training in contiguous configuration
 - New Brigade configuration with additional Combat Arms Battalion or Brigade Plus training in non-contiguous configuration
 - Force-on-Force Brigade Combat Team vs. Battalion training in non-contiguous configuration
 - Combat Arms Battalion configured Brigade and Brigade Minus training simultaneously in non-contiguous configuration
 - Eight Battalions/Battalion-level Task Forces training simultaneously in non-contiguous configuration
- **Great Plains Joint Training Center (Kansas National Guard)**
 - Provides Additional 30,000+ Acres for Maneuver and Joint Training exercises
 - Approximately 65 miles away, over 50 miles via I-70 or I-135
 - Provides Distributed Joint, Interagency, Intergovernmental State partnership opportunities
 - Joint Use Memorandum of Understanding signed by The Kansas Adjutant General and Ft. Riley



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



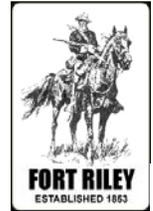
Range Sustainability

- **No Environmental Issues that Impact Training**
 - No significant erosion or non-point source pollution constraints
 - No wetlands protection constraints
 - Limited designated sensitive areas
 - Very limited no-disturbance areas mostly associated with small archeological sites
- **No Designated Critical habitat for Endangered or Threatened Species**
- **Three Federally listed species - minimal impacts to missions**
 - Topeka Shiner: Year-round resident stream fish
 - Least Tern and Piping Plover: Uncommon seasonally-migratory shorebirds
- **No Unmanageable Encroachment**
 - Viable Army Compatible Use Buffer (ACUB) program with nearly 12,000 acres under conservation easements
 - Kansas Statute (12 KSA 772-775) codifies requirement for cooperative land use planning around military installations
 - Excellent communication exists with neighboring communities provides us forewarning of proposed land use changes
 - Fort Riley requested an updated Joint Land Use Study through the Office of the Assistant Chief of Staff for Installation Management
- **No anticipated future impacts to our mission or range sustainability**



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



Range Sustainability

Air Quality

- Fort Riley is an Attainment Area for air quality by Environmental Protection Agency standards for all pollutants.
- Our air quality is as good as or better than the national ambient air quality standards as defined in the Clean Air Act.

Noise Contours

- Fort Riley has no Noise Zone (NZ) III – incompatible with non-military uses - contours that leave the installation
- Approximately 2,417 acres of off-post land are under NZII contours where the Army recommends limiting the use of land to activities that are not noise-sensitive.
- Approximately 32,276 acres of off-post land are under Land Use Planning Zone (LUPZ) contours where, under certain conditions, noise annoyance levels can reach those of NZII
- Fort Riley maintains a system of noise monitors around the installation perimeter, and receives very few noise complaints

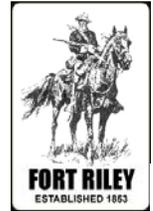
Soil Resiliency

- The USDA Natural Resources Conservation Service (NRCS) (1996) mapped 36 soil series on Fort Riley and taxonomically categorized them into six soil associations.
- Shallow, erodible soils exist primarily on limited areas of steep, rocky slopes that are not generally used for wheeled or tracked vehicle training
- Fort Riley's prairie soils have supported mechanized training for decades without unmanageable erosion issues



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



Range Sustainability

■ Water Quantity

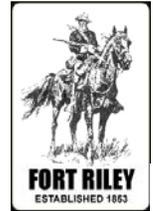
- Fort Riley utilizes groundwater harvested from alluvial deposits in the Kansas River Valley for its municipal water supply.
- Yields range from 300 to over 1,000 gallons per minute from those formations
- Nearly 145 miles of rivers and streams are present on Fort Riley, although most of the 14 streams are intermittent. Only the Kansas and Republican Rivers and four streams are persistent.
- The installation is adjacent to Milford Reservoir, a Corps of Engineers impoundment north and west of the cantonment area and the largest lake in Kansas, which covers 15,700 surface acres
- Tuttle Creek Reservoir, another Corps lake north of Manhattan, covers 12,500 surface acres
- The Winters Doctrine reserves to the Federal government the rights to water on military installations

The sustainability of our ranges is greatly enhanced by our Live, Virtual, Constructive, Gaming – Integrated Training Environment capabilities that provide cost-effective simulator training, reducing the amount of training that must occur on the training land. Simulations are not a substitute for field training, but Soldiers gain basic skills there at very low cost and without environmental impacts. They are then more effective when they train in the field.



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



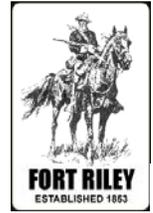
Training Facilities

- **1 of 27 Army-designated Regional Collective Training Capabilities in Army**
 - State of the Art Simulations (see next page)
 - Supports the return to “Total Army “ concept of integrated Active, Guard and Reserve training
- **Mature Live Fire Facilities: New Digital Ranges**
- **Ample Airspace Available Over Training Area and off-post low population areas**
- **129 miles of improved Tank and Maneuver trails**
- **Diverse Terrain conditions support both heavy and light collective training**
- **New and modernized ranges and training facilities**
 - Over 25 Live training ranges; from combat pistol to tank gunnery
 - Digital Multipurpose Range Complex (Armor, Aviation, and Wheeled)
 - Digital Multipurpose Training Range
 - Stationary Gunnery
 - Aerial Gunnery
 - Zero Complex
 - Multipurpose Tank Range
 - Live fire village, two live fire shoothouses, and two team live fire courses
 - Seven Urban Clusters, Afghan Village, and Mock Airfield
 - Offense/Defense Building, Infantry Squad battle Course and Squad Assault Course
 - Six surveyed mortar firing points and Mortar Hip Shoot Course
 - Rappel Tower, Field Leader’s Reaction Course, and Individual Physical Fitness Confidence Builder Course
 - Two inactive ranges available for new missions



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



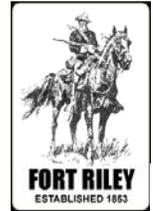
Training Facilities (continued)

- State of the Art Live, Virtual, Constructive, Gaming – Integrating Training Environment (LVCG-ITE)
 - Live:
 - Over 25 Ranges, Shoothouses, Live Fire Villages and Courses, and Urban clusters
 - Homestation Instrumentation System (HITS) and Medical Simulations Training Center (MSTC)
 - Virtual:
 - Aviation Trainers: Aviation Combined Arms Tactical Trainer (AVCATT), Longbow Crew Trainer (LCT), Transportable Blackhawk Operations Simulator (TBOS), Transportable Flight Proficiency Simulator (TFPS)
 - Ground Vehicle Trainers: Rollover Vehicle Simulator (RVS), Humvee Egress Assistance Trainer (HEAT), Mine Resistant Ambush Protected (MRAP) Egress Trainer (MET), and Visual Clearance Training Site (VCTS)
 - Integrated Combat Skills Trainers: Warrior Skills Trainer (WST), Close Combat Tactical Trainer (CCTT), Engagement Skills Trainer (EST)
 - Artillery Trainer: Call For Fire Trainer (CFFT)
 - Constructive:
 - Joint Land Component Constructive Training Capability - Entity Resolution Federation (JLCCTC-ERF),
 - Mission Command Systems
 - Gaming:
 - Virtual Battle Space 2 (VBS2)
 - Convoy Gaming
 - Dismounted Soldier Training System (DSTS)
 - Intelligence Electronic Warfare Tactical Proficiency Trainer (IEWTPT)
 - One Semi-Automated Forces (OneSAF) terrain data lane
- LVCG-ITE: Persistent Joint Training and Exercise Node, permanent link to the Great Plains Joint Training Center near Salina, the National Simulations Center at Ft. Leavenworth, and Ft. Sill.



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



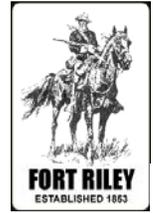
Airspace

- Restricted airspace – prohibiting commercial and general aviation - over Fort Riley from surface to 29,000 feet
- The designated Riley Military Operation Area (MOA) - an area north and west of the installation where military operations justify limitations on commercial and general aviation - is restricted from 7,000 to 17,999 feet
- The Riley MOA is linked to the Ada East and Ada West MOA's providing access to the Great Plains Joint Training Center's Bison and Smoky MOAs, and the Smoky Hill Restricted Airspace through the Ellsworth Corridor
- Federal Aviation Administration (FAA) Certificate of Authorization for Gray Eagle Unmanned Aircraft System (UAS) Flights in National Airspace issued
- Air Worthiness Release (AWR) Capability to fly Gray Eagle from unrestricted airspace to restricted airspace
 - 1st Flight 10 OCT 2012 – First FORSCOM Installation flight
 - Potential exists to increase Unmanned Aircraft Systems flights
- Excellent partnerships with Kansas State University (KSU) and the University of Kansas (KU) to conduct UAS operations in our airspace and at the Great Plains Joint Training Center



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



Airspace Management

- Fort Riley's Marshall Army Airfield is recognized as among the best in Army for State of the Art Communication, Navigation, and Radar systems and a model for Installation Management Command (IMCOM) and Air Traffic Services Command (ATSCOM)
- Excellent partnership and working relationship with the Federal Aviation Administration
- Airport Surveillance Radar (ASR-11) supports the FAA's Kansas City Air Route Traffic Center, which provides radar coverage from St. Louis to Western Kansas, and is used by the Salina Airport
- Fort Riley Tower supports approach control for Manhattan Regional Airport
- Ground-Based Sense and Avoid (GBSAA) radar system supporting UAS operations, planned for construction in FY15

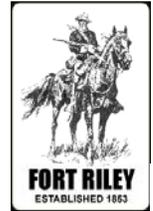
Aircraft Maintenance

- Army Aviation and Missile Command (AMCOM) is bringing aircraft maintenance capabilities to Fort Riley for the AH-64D and E, UH/HH-60L and M, CH-47F and OH-58D airframes:
 - Depot-level maintenance
 - Aircraft modification
 - Aircraft Reset
 - Battle Damage Assessment
- Includes \$3M renovation of hangar 723
- Will provide up to 60 Contractor jobs



Attribute #1: Training (continued)

Maneuver Land, Range Sustainability, Training Facilities, Airspace, Indirect Fire Capabilities,



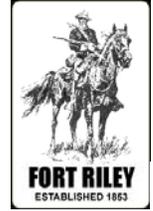
Indirect Fire Capabilities

- Mortar facilities
 - Short Range Training Range
 - Hip Shoot Course
 - Six surveyed Mortar Firing Points
- Artillery capability
 - M119A2 105mm towed howitzer
 - M109A6 155mm self-propelled howitzer (Paladin)
 - M198 155mm towed howitzer
 - M777 155mm towed howitzer
- Rocket capability
 - M270A1 Multiple Launch Rocket System (MLRS)
- Artillery Target Area in the Impact Area is approximately 16 square km (4,000 acres)
- Maximum available artillery range is 18 miles over a public road, 12 miles not over a road



Attribute #2: Power Projection

Deployment Infrastructure, APOE Proximity, SPOE Proximity,



Deployment Infrastructure

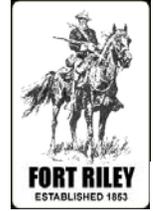
- Rail / Railhead
 - 13 miles of track at railhead and Union Pacific rail line through Fort Riley
 - Demonstrated capability to rail load a Brigade in 36 hours
 - 24 hour operations capability
 - Weigh-in-motion scale
 - 14 lighted spurs for tie down operations
 - Organic locomotive capability to move and stage cars (2 locomotives)
- Highway
 - Three concrete loading docks for line haul trucks
 - Direct access to Interstate 70 on southern boundary
 - 50 miles west to Interstate 35 (Salina, KS)
 - 170 miles north to Interstate 80 (York, NE)

Fort Riley repeatedly recognized for proficiency and responsiveness by winning the Chief of Staff of the Army Deployment Excellence Award 3 of the last 5 years



Attribute #2: Power Projection

Deployment Infrastructure, APOE Proximity, SPOE Proximity,



1 Aerial Port Of Embarkation (APOE)/Aerial Port of Debarkation (APOD) Proximity

- Forbes Field Primary APOE / APOD
 - 70 miles east, via Interstate 70
 - Newly constructed deployment support facility
 - Can accommodate all airframes within the Air Mobility Command fleet
- Manhattan Airport Alternate APOE / APOD
 - 5 miles east, via Kansas highway 18
 - Enlarged apron and taxiway to better accommodate military aircraft and enhance loading/unloading
 - Segregated, secure parking area for Soldier POVs
 - Can accommodate C-17 and 737 standard, meets needs of current RAF mission
- Salina Regional Airport
 - 62 miles west, via Interstate 70
 - Could accommodate all airframes within the Air Mobility Command fleet
 - Not currently designated as an APOE or APOD

1 Sea Port of Embarkation (SPOE) / Sea Port of Debarkation (SPOD) Proximity

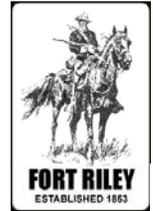
- Port of Beaumont (Texas)
 - 800 miles southeast
 - Primarily via I-35
 - Equipment via Union Pacific rail line

We can have our troops and equipment at the Port of Beaumont, Texas before the transport ships arrive



Attribute #3: Well Being

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



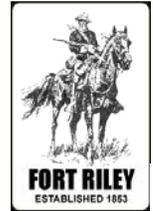
Medical – Access to Care

- On post
 - Medical Activity Command
 - Irwin Army Community Hospital
 - Farrelly Health Clinic
 - Custer Hill Health Clinic
 - New Irwin Army Community Hospital opens in 2015
 - 68 beds, with increased capability in Labor and Delivery, Emergency, and Behavioral Health
 - Additional rooms for Oral Surgery and Obstetrics Surgery
 - New Sleep Lab
 - Organic MRI capability
 - Dental Activity Command
 - Three Clinics
- Surrounding Communities
 - Mercy Regional Health Center (Manhattan) – 150 beds
 - Manhattan Surgical Hospital
 - Geary Community Hospital (Junction City) – 50 beds
 - Wamego City Hospital – 25 beds
 - Hospitals or Surgical Centers also in Onaga, Herington, Abilene, Salina, Clay Center and Council Grove



Attribute #3: Well Being

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



Family Housing

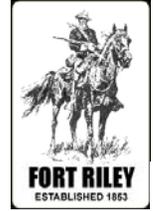
- On Post is privatized through Corvias Military Living
 - 1,779 new homes built, 338 remaining to be built
 - 1,322 homes renovated, 338 remaining to be renovated
 - 768 homes demolished, 636 remaining
 - 3,827 homes at FY16 end state
 - Five neighborhoods
 - Four Neighborhood Centers
 - Swimming pools
 - Fitness centers
 - Computer labs
 - Meeting and activity rooms
- Manhattan Municipal Statistical Area:
 - 51,428 Total housing units; 45,799 occupied
 - Manhattan: 21,882 Total housing units; 20,228 occupied
 - Junction City: 10,743 Total housing units; 8,986 occupied
 - Wamego: 1,707 Total housing units; 1,657 occupied
- 8-County Region:
 - 94,999 Total Housing Units, 84,339 Occupied

There is adequate, affordable housing in the region to support Fort Riley's current requirements, and the ability to rapidly provide additional housing exists



Attribute #3: Well Being (continued)

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



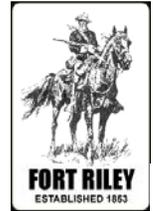
1 Quality of Life

- Child Development Centers
 - Six daytime centers, capacity 1,230
 - One 24/7 center, capacity 20
 - 14 Certified Family Child Care Homes, capacity 84
- Fitness Facilities
 - Fitness centers: 5 (6th under construction)
 - Softball fields: 8
 - Swimming pools
 - Government operated: 3 (2 indoor)
 - Corvias operated: 4 (outdoor)
 - Racquetball courts: 7
 - 18 hole golf course
 - 40 lane Bowling center
 - Skeet and Trap Range
 - Archery Range
- Youth Centers: 2
 - School Age Services
 - Youth Services



Attribute #3: Well Being (continued)

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



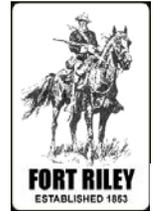
Quality of Life (continued)

- Chapels: 6
 - Victory Chapel Center (Forsyth)
 - Main Post Chapel (Historic Main Post)
 - Saint Mary's Chapel (Historic Main Post)
 - Kapaun Chapel (Custer Hill)
 - Morris Hill Chapel (Custer Hill)
 - Normandy Chapel (Custer Hill)
 - IACH Chapel (Hospital Chapel)
- Museums: 2
 - U.S. Cavalry Museum
 - Big Red One Museum
- Warrior Zone: a High-tech Soldier recreational facility designed to build resiliency
- Arts and Crafts Center
- Auto Craft Center and Car wash
- Library
- Conference Center
- Bingo Hall
- Commissary and Post Exchange
 - Furniture Store
 - Clothing Sales Store
- Theater
- Marina
- Outdoor Recreation Center



Attribute #3: Well Being (continued)

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



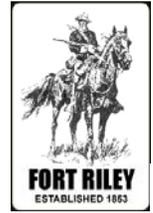
1 Quality of Life (continued)

- Army Community Services comprises 17 programs
 - Information, Referral and Follow up
 - Army Emergency Relief
 - Financial Readiness
 - Relocation Readiness
 - Employment Readiness
 - Army Volunteer Corps
 - Army Family Action Plan
 - Army Family Team Building
 - Master Resilience Training
 - Family Advocacy Program
 - Victim Advocate
 - Exceptional Family Member
 - New Parent Support
 - Survivor Outreach Service
 - Soldier and Family Assistance Center
 - Military Family Life Consultants
 - Mobilization and Deployment (Mob & Deploy)
- New SRP Site
 - Total of 22,200 square feet allows multiple SRP missions to be executed simultaneously
 - Increased Medical Exam rooms by 67%, Dental Exam rooms by 34%, Parking by 900%
 - Virtual Behavioral Health facility allows screenings on site
 - Close to other services on Main Post



Attribute #3: Well Being (continued)

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



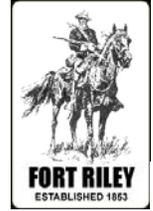
1 Quality of Life (continued)

- Schools
 - Seven on-post schools
 - New elementary school open
 - Renovated elementary school open
 - New middle school under construction
 - Second new elementary school under construction
- Awards
 - Five Fort Riley schools designated National Blue Ribbon or Governor's Award schools
 - 15 region schools have been designated National Blue Ribbon Schools at total of 18 times
 - Fort Riley Middle School was the 2012-2013 National Middle School of the Year
- ACT Scores: State average 21.8, National average 20.9
 - Manhattan/Ogden USD 383: 2013 composite score: 23.1
 - Junction City/Geary County USD 475: 2013 Composite score 20.4
 - Clay County USD 379: 2013 Composite score 22.1
- Kansas Regent's Universities grant dependents of active duty military in-state tuition rates



Attribute #3: Well Being (continued)

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



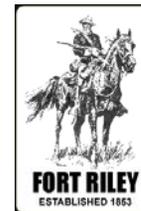
1 Brigade Complex

- Headquarters facilities
 - 95% of Brigade requirement on hand: 89% is highest quality (Q1) Installation Status Report (ISR) rated
 - 79% of Battalion requirement on hand: 100% is highest quality ISR rated
 - 77% of Company requirement on hand: 98% highest quality ISR rated
- Maintenance Facilities
 - 74% of Vehicle Maintenance Shops requirement on hand: 99% highest quality ISR rating
 - 46% of Aircraft Maintenance Facilities requirement on hand: 100% highest quality ISR rating
- Supply Facilities
 - 49% of Unit Storage Buildings requirement on hand: 92% highest quality ISR rating
- Housing
 - 105% of Enlisted UPH requirement on hand: 94% highest quality ISR rating



Attribute #3: Well Being (continued)

Medical – Access to Care, Family Housing, Quality of Life, Brigade Complex – Quality and Quantity of Facilities



Crime Index

▪ Manhattan

- Violent crime rate is slightly lower than the Kansas mean and slightly higher than the National mean
- Property crime rate is slightly lower than the Kansas mean and slightly higher than the National mean

▪ Junction City

- Violent crime rate is slightly higher than the Kansas and National mean
- Property crime rate is the same as the Kansas mean and slightly higher than National mean

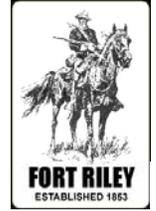
▪ Clay Center

- Violent crime rate is lower than the Kansas mean and the same as the National mean
- Property crime rate is slightly lower than the Kansas mean and slightly higher than the National mean



Attribute #4: Mission Expansion

Buildable Acres, Urban Sprawl, Connectivity



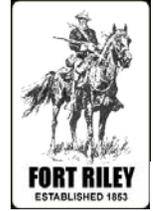
Buildable Acres

- Fort Riley has ample buildable acreage to construct additional facilities if needed
- Barracks/Admin/Maintenance: Potential for both infill and outward expansion for new facilities
- Housing
 - Will reach Congressionally limited Family housing number of 3,827 at the end of the Initial Development Period in 2016
 - Expansion potential exists if needed
- Based upon potential expansion scenarios, local training areas would be negligibly impacted
- 772,000+ square feet of buildings on demolition plan
 - Very little excess building space will remain after the demolition plan is executed



Attribute #4: Mission Expansion

Buildable Acres, Urban Sprawl, Connectivity



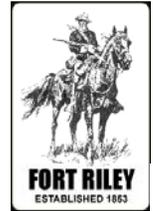
Urban Sprawl

- Sprawl has not affected Fort Riley's ability to accomplish its mission
- Manhattan's population increased 16.6% from 2000 to 2010
 - Initial growth was westward toward Fort Riley and our noise zones, but no significant mission impacts were seen
 - Current growth has shifted to east along the Highway 24 corridor
 - Additional future growth is expected with the completion of the National Bio-Agro Defense Facility (NBAF) currently under construction on the K-State Campus
 - Initial planning is underway to link Highway 24 east of Manhattan to the northeast side of Manhattan via the Marlatt – Junietta Extension.
 - This would likely drive much of Manhattan's future development to the east side and away from Fort Riley
- Junction City's population increased 13% from 2000 to 2010
 - Growth was mainly westward, but some was northward toward Fort Riley noise zones, but no significant mission impacts were seen
 - Moderate additional growth is expected in the future



Attribute #4: Mission Expansion

Buildable Acres, Urban Sprawl, Connectivity

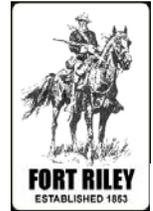


1 Connectivity

- On post
 - Ability to rapidly expand our existing information technology (IT) backbone if needed
 - Ongoing IT infrastructure modernization program
 - Wide Frequency Availability
 - State-of-the-Art Trunked Radio System
- Off post
 - More than six cell phone carriers in the area
 - Dozens of towers around Fort Riley, and along the Interstate 70 and Highway 24 corridors
- Connectivity is adequate in the region, but does not cause spectral encroachment on Fort Riley



Attribute #5: Geographic Distribution



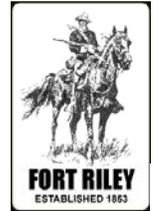
Fort Riley is strategically located in the center of the United States

- Affords the opportunity to reach any SPOE in the continental U.S. on time
 - Interstate 70 is adjacent to Fort Riley's southern boundary
 - Interstate 135 is approximately 55 miles away
 - Interstate 80 is approximately 150 miles away
- Nearby APOEs can transport troops anywhere in the world
 - Forbes Field (Topeka)
 - 70 miles away, can accommodate entire Air Mobility Command fleet
 - Manhattan Regional Airport
 - 5 miles away, can accommodate C-17 and 737 standard
- 65 miles to the Great Plains joint Training Center (Brookville, KS)
- 135 Miles to Fort Leavenworth (Leavenworth, KS)
- 350 Miles to Fort Leonard Wood – Home to the 4th Maneuver Enhancement Brigade of the 1st Infantry Division (Waynesville, MO)
- 360 miles to Fort Sill - Home to the 75th Fires Brigade of the 1st Infantry Division (Lawton, OK)
- 465 miles to Fort Carson (Colorado Springs, CO)
- 560 miles to Pinon Canyon Maneuver Site (Trinidad, CO)
- 120 miles to McConnell Air Force Base (Wichita, KS)
- 210 miles to Offutt Air Force Base (Omaha, NE)



Additional Information

Cost Efficiencies



1 Fort Riley is a cost conscious and cost efficient installation

- Continuous Process Improvement programs using Lean, Six Sigma, and other efficiency -finding measures resulted in reducing or avoiding over \$55.2M in costs since 2010
- Utility rates: \$0.075/Kilowatt -hour for electricity and \$4.50/Thousand cubic feet for natural gas among the lowest in the Army
- Selected as a Net Zero Water Pilot Installation by Army to field water-saving initiatives

1 Fort Riley is aggressively seeking cost saving partnerships under the terms of the National Defense Authorization Act (NDAA)13

- Formed an Intergovernmental Support Partnership (ISP) Working Group
 - Anticipating designation as a Pilot Installation
 - Agreements reached on shared training and shared equipment
 - Working agreements on bulk road salt purchases, traffic signal maintenance, street striping, recycling
- Governor Brownback is supportive of the ISP and has expressed interest in significantly greater cooperative partnerships for mutual sustainability

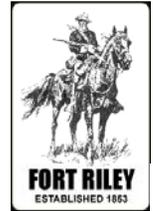
1 Fort Riley's Recycle Program provided net value of over \$2.3 million in Fiscal Year 2013

- Proceeds from Sales: \$1,632,296
- Disposal costs avoided: \$1,749,271
- Cost to operate: \$1,115,684
- Contribution to Family, Morale, Welfare and Recreation programs: \$292,000



Additional Information

Economic Impact



Fort Riley is the largest single economic force in the Central Flint Hills Region

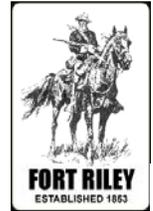
- Direct Economic Impact in Fiscal Year 2013: \$1,774,983,615
 - Payroll: \$1,245,359,318
 - Supplies, Services and Contracts: \$251,713,919
 - Construction: \$153,485,556
 - Education: \$20,790,783
 - Health Care: \$103,634,039
- Estimated Indirect Economic Impact in Fiscal Year 2013: \$3,904,963,952
- Estimated Net Public Benefit in Fiscal Year 2013: \$8,065,000
 - Net Public Benefit is an estimate of revenue from all forms of taxes paid by our Soldiers and Army Civilian Employees who live in the Region's cities and counties
- 5,500 Soldiers and 2,700 Army Civilian Employees live off the installation in the Region
 - 3,900 Soldiers and 176 Civilian Employees live on Fort Riley in Family Housing
 - 6,200 Single Soldiers live in Barracks on post

Kansas does not tax military retirement income

- One of 15 states with full or partial exemption from income tax on military retirement



Additional Information



-
- 1 **Fort Riley is and will remain relevant to the Army due to our:**
 - 1 **Modernized, State of the Art training capability to enable the Warfighter for full-spectrum, integrated operations in support of the Total Army Concept**
 - 1 **Ability to efficiently and effectively deploy forces worldwide to meet Army missions**
 - 1 **World-class Soldier and Family support and resiliency programs**
 - 1 **Infrastructure in place to meet the Army's current and future needs**
 - 1 **Negligible encroachment challenges along the installation's borders**
 - 1 **Partnerships with local communities and the Region**
 - 1 **Ability to accept additional personnel and missions**