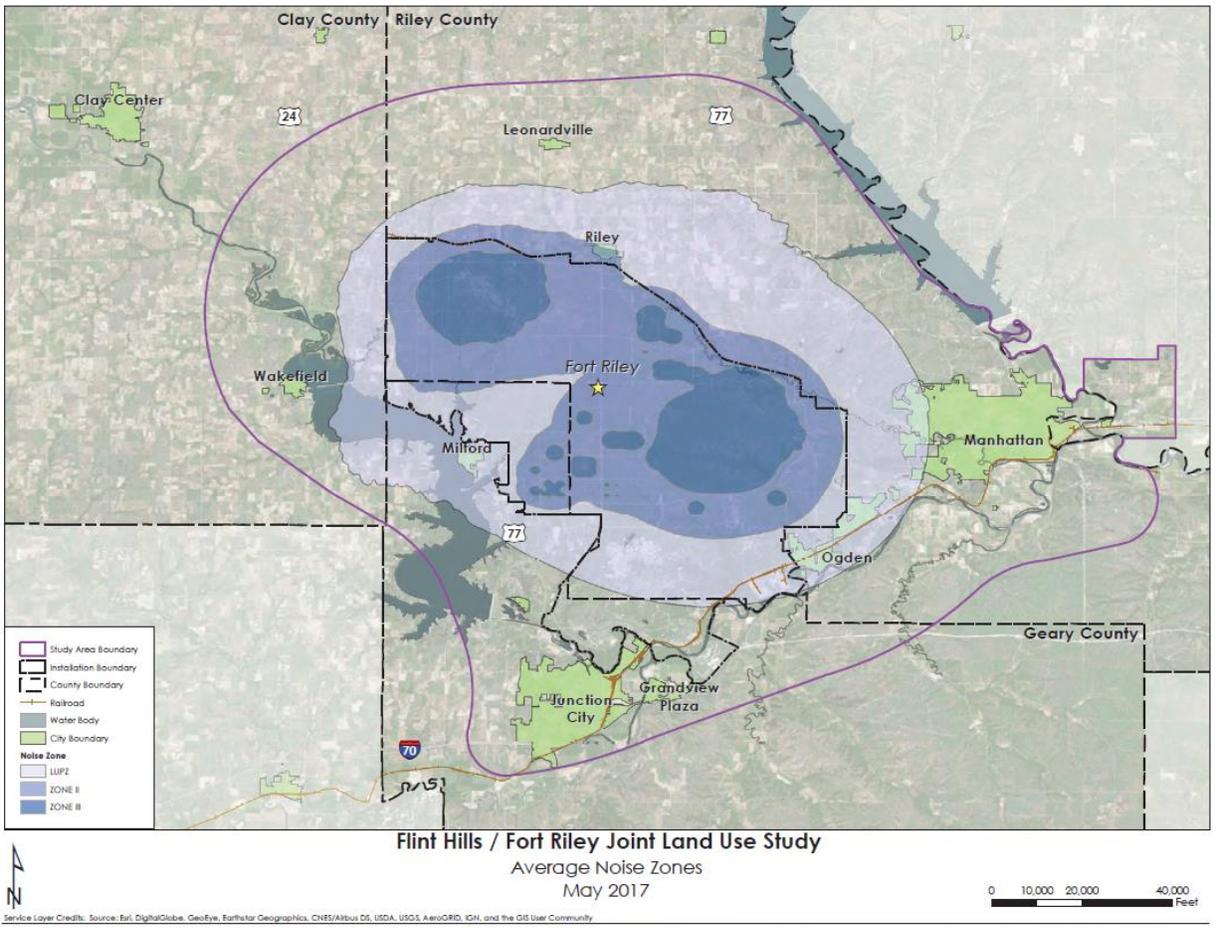


REQUEST FOR PROPOSALS

**Fort Riley, KS Acoustical Study for the
Flint Hills Regional Council**

**Release Date
July 13, 2018**

OVERVIEW:

Fort Riley has been the heart of the Flint Hills Region for over one hundred sixty years. The Army established Fort Riley as a 24,000-acre cavalry outpost in 1853 to protect westward travelers on the Oregon-California and Santa Fe trails. Throughout its history the post's footprint, mission, equipment, and weaponry have continually evolved. Today, Fort Riley is a 101,733-acre installation. Factors such as the realignment of tanks, aircraft and weapons systems, coupled with the use of more powerful weapons systems on the ranges, and the increased importance of night training, all affect Fort Riley's interactions with its physical surroundings.

Firing of large caliber weapon systems (20 mm and greater), such as the main guns on the Bradley Fighting Vehicle and the Abrams Tank at the Digital Multi-Purpose Range Complex and the artillery firing into the impact areas affect noise levels experienced on lands off-

post. These noises are low frequency and have yet to be studied in our area. Much of the region experiences noise/vibration from large arms firing during peak training. However, the Land Use Planning Zone area, which covers approximately 36,000 acres off post primarily to the north and east, may increase annoyance levels during periods of more intense activity. The more severe Noise Zone II caused by heavy weapons firing covers about 2,400 acres to the north of the post, including portions of the City of Riley. Noise exposure in this zone is sufficient to raise compatibility issues. A proposed Infantry Platoon Battle Course and Engineer Breach lane in the training area would further affect the noise setting around the post due to increased intensity of range use with noise contours extending farther to the north, the northeast, and west over Milford Lake.

The Flint Hills Regional Council (FHRC) was selected by local communities to serve as the grantee and lead organization for the Joint Land Use Study (JLUS) Project and the Office of Economic Adjustment (OEA) funds associated with the study. The FHRC has put a Technical Advisory Committee (TAC) in place comprising planning and economic development staff for Geary County, Junction City, Riley County, Manhattan, Ogden, Clay County and Clay Center. Planning staff from Fort Riley will attend the meetings in an advisory capacity. One of the recommendation from the JLUS Study identifies the need to contract with an acoustic consultant to obtain and measure current trends in noise/vibration levels that can be given to local municipalities to guide decision making.

FHRC is seeking an acoustical engineer to conduct a noise study for Fort Riley and surrounding areas with a firm deliverables deadline of August 30, 2019.

SCOPE OF WORK:

Area of interest is Fort Riley, Kansas, and the surrounding areas of Riley County, Geary County, Clay County, and the cities of Junction City, Grandview Plaza, Clay Center, Wakefield, Ogden, Riley, Milford and Manhattan.

1. Consulting team will be responsible for coordinating with Fort Riley regarding training schedule and noise/vibration associated with training exercise.
2. Travel to the Fort Riley/West Manhattan area up to three (3) times by appropriate staff for purposes of measuring ambient sound levels during appropriate times of the day and night.
 - a. Modeling should be able to measure the extreme low-frequency content and vibration presence.

- b. At least one testing session will have a duration of approximately 72 hours during heavy drill and training activities, and two (2) trips will be shorter in duration (i.e. 8 - 48 hours).
 - c. Multiple weather-resistant testing stations must be set up and operated simultaneously, with the capability of capturing continuous sound levels and octave band data.
 - d. Findings and data will be used to assess existing environmental noise conditions in surrounding areas of concern and, with the use of environmental noise modeling software, develop noise control recommendations.
 - e. Meet with FHRC and the TAC on one (1) occasion in Manhattan, and up to five (5) occasions via Webex (or other video/tele-conference means) to collaborate and present findings, data, analysis, and initial recommendations.
3. Draft a report which summarizes construction specification standards for enhanced noise/vibration mitigation in buildings and dwellings in the study area surrounding the Fort Riley training premises.
 4. Modify and edit the report, as needed and as directed by FHRC and the TAC, for final implementation.
 5. FHRC will present the construction specification standards to the governing bodies of affected jurisdiction for determination of their use and implementation.

DELIVERABLE WORK PRODUCTS:

The result of the acoustical study should be specific recommendations, including legislative or policy actions to be taken by the regional jurisdictions and/or state, to mitigate noise/vibration encroachment from Fort Riley and to identify compatible uses

- Recommendations for the jurisdictions of Riley County, Geary County, Clay County, and the cities of Junction City, Grandview Plaza, Clay Center, Wakefield, Ogden, Riley, Milford and Manhattan.
- Develop appropriate construction standards and techniques for residential and other noise-sensitive land uses.

TIMELINE:

RFP Release Date	July 13, 2018
Proposal Submittal Due Date	August 15, 2018
Provider Selection Date	August 20, 2018
Acoustical Study Begin Date	September 10, 2018

QUESTIONS:

Questions on the RFP must be submitted in writing to Justin@FlintHillsRegion.org before **July 23, 2018**. We will respond to questions within 24 hours via email.

PROPOSAL SELECTION CRITERIA:

1. Consultant Team Experience with this type of study
2. Cost
3. Consultant Team Membership in the National Council of Acoustical Consultants
4. Approach to study

PROPOSAL SUBMITTAL REQUIREMENTS:

- Names and resumes of consultant team
- Two (2) references from public agencies
- Describe the approach to this study, five (5) page limit
- One (1) electronic copy
- Proposals must be submitted electronically to Justin@FlintHillsRegion.org by 5:00 p.m. CST on **August 15, 2018**.