

11. **Quality Assurance/Quality Control (QA/QC) Procedures:** The QA/QC procedures outlined in Chapter 10 of FEMA 37 should be followed during the development of the revised floodplain and floodway boundaries. The mapping should be independently reviewed for compliance with the standards defined in Section 4 of this Mapping Activity Statement. This independent review will be conducted by Public Works Departments or consultants of communities affected.

E. Refinement of Approximate Zone A Boundaries

1. **Objective and Scope:** The objective of this Mapping Activity is to refine and/or establish approximate Zone A flood zone boundaries in East Feliciana Parish, based on existing data and information developed by the United States Geological Survey, USDA Natural Resource Conservation Service or any other source. Analyses will be of the 1% annual chance flood representing existing conditions and will encompass approximately 300 square miles of drainage area within the Amite River Basin, including the Comite River Sub-basin.
2. **Period of Performance:** The period of performance will be in accordance with Agreement Article II.

3. Funding/Cost-Sharing:

FEMA	\$
Local (ARBC)	
TOTAL	_____

Responsible Agency: ARBC/LSU

4. **Standards:** The following standards and documents are relevant to this Mapping Activity:
- Definition of approximate flood zones reflecting (100-year) water surface elevations for approximate Zone A floodplain mapping will be determined for planning purposes for East Feliciana Parish. Since the City of Clinton is currently the only area within East Feliciana Parish that is in the Flood Insurance Program no previous FEMA studies exist within the parish. Cross section data that will form the basis of the study will be established using the LIDAR information provided 3001, Inc. The estimated flood zones will serve as a frame of reference for parish officials to consider in joining as a partner in the flood insurance program.

5. **Products:** The ARBC shall make the following products available:
- Estimated flood zones in both digital and printed form.

6. **Schedule of Milestones:**

Milestone 1: Upon completion, products for the first milestone will be provided to the FEMA Project Officer and MCC. These include:

- Annotated copies of effective estimated flood maps depicting limits.
- Documentation of the source of topographic data, including: scale; contour interval; source/methodology; date of survey/data collection; vertical and horizontal datums; and comparison of planimetric features with the Digital FIRM base map planned for used by FEMA.
- A written description of the analysis methodology used in defining the estimated flood zones.

Deliverables for Milestone 1 will be submitted to FEMA Project Officer no later than 12 months after project start date.

Milestone 2 (Final Product): Upon completion, final products will be provided to the FEMA Project Officer and MCC. These include:

- Topographic work maps depicting estimated flood zones for East Feliciana Parish.

Final products will be made available to FEMA in accordance with the Period of Performance defined in Section 2 of this Mapping Activity Statement.

7. **Certification:** The following certifications apply to this Mapping Activity (as appropriate):
- Hydrologic and/or hydraulic analyses and data will be certified by a registered professional engineer or licensed land surveyor in accordance with 44 CFR 65.6(f).
 - Topographic information will be certified by a registered professional engineer or licensed land surveyor in accordance with 44 CFR 65.5(c).
 - If fill is to be considered in the mapping to raise land areas above the 1% annual chance flood elevation, certification of the fill will be provided in accordance with 44 CFR 65.5(a)(6) by the community's NFIP permit official, a registered professional engineer, or a licensed land surveyor.
8. **Coordination:** All activities to be carried out under this task will be coordinated with local governments, and state agencies through the review process under the Technical Committee of the ARBC.
9. **Technical Assistance and Resources:** ARBC may obtain copies of FEMA-issued Letters of Map Change (LOMCs), archived engineering back-up data, and data