CRC Infrastructure Sub-Committee

Project Identification Template and Instructions

Mobile County Metro Jail

Flood Protection System

Project Identification Template

Instructions: Please complete all of the information requested with the best information you have available. Limited attachments are acceptable if necessary to adequately describe the project but the **total length should be limited to 6 pages** one-sided (including attachments). This Identification Template is intended as a preliminary mechanism by which proposals and projects to improve the resiliency of Coastal Alabama are solicited and captured with some consistency of format, scope definition, and project benefits and impact. **This is only a first step: proposals and projects will not be funded based upon this submittal. Further information and details will be solicited at such time as the screening and funding process is more fully defined.**

Responses should be received by November 26, 2010, to be included in the appendix the Coastal Recovery Commission Report to the Governor to be submitted December 15, 2010. Submittals after that date will be accepted for consideration but will not be included in the Project Appendix.

Completed Templates may be submitted:

- **Electronically (.pdf preferred) to: crcalabama.templateresponse.com.**
- **By US mail to: Coastal Recovery Commission.**

P.O. Box 881, Mobile, AL 36601-0881

I. What – Project Information/Basic Facts

1. Project Scope Construct a flood protection system around the existing Mobile County Metro Jail complex to protect the facility from storm surge flooding. This system basically consists of a concrete wall able to withstand the hydrostatic forces and tidal forces of a Category 3 Hurricane storm surge.

2. Project duration or schedule by phase and status of any work in progress A feasibility report has been submitted outlining the details and alternatives of the project. The engineering and construction has yet to commence.

   2.1. Conceptual and Feasibility Planning, Engineering, Construction The survey, geotechnical and engineering design is estimated to take six months. Construction of the project is estimated to take fourteen months.

3. Estimated Cost (plus or minus 30%) $12,500,000

   3.1. Indicate level of confidence in accuracy of these estimates 75%

II. Why – Project Description relative to Impact and Criteria

1. Identify what need, threat or opportunity that this project, study, or recommendation will address A flood protection system is necessary to prevent water from entering the jail and adjoining County security and maintenance facilities from storm surge produced during a hurricane. High water resulting from a hurricane, may result in evacuating the entire complex causing significant security problems with prisoner transfer and sheltering. In addition, water damage resulting from storm surge may result in long term inoperability of the Complex and significant repair expense.

2. How does this project or recommendation address and impact the recommended evaluation criteria:

   2.1.1. Coastal Recovery The significant economic downturn has caused uncertainty in the County's ability to fully finance long-term bonds for a project of this magnitude. Financial assistance will allow this much needed project to move forward.

   2.1.2. Resiliency This project will protect the Metropolitan Jail Complex from tidal surge and high water resulting from Hurricanes. Hurricane Katrina, which made landfall nearly 100 miles west of Mobile, caused Mobile Bay to reach a storm surge level of +12 feet, within 4" of reaching the finish floor elevation of several buildings. Protecting this complex could prevent significant costs should buildings be damaged due to water infiltration. In addition, the cost to relocate prisoners for sheltering during a storm and potential long-term relocation to repair damaged facilities can be avoided.

   2.1.3. Transformational Completion of this project will be much less costly than relocating the entire Metropolitan Jail Complex to a new location. The jail's current

location is in close proximity to the courthouse and not directly impacting any residential areas. Ensuring secure jail facilities provides a comfort level to the community which can not be measured.

2.1.4. Regionalism A safe and secure jail system provides peace of mind to the City, County and entire Region.

2.1.5. Economic Diversification Providing alternate funding for this project will allow Mobile County to diversify its budget and allow for funding of other much needed projects throughout the County. Not having to relocate the jail complex to another area of the County will allow those potential relocation sites and neighboring properties to be marketed for a higher more desirable use.

3. Project Economics The estimated cost for the engineering and construction of this project is $12,500,000.

4. Identify Direct Project benefits to Coastal Alabama, including avoided costs, consequence of "No Build" alternative. This project will protect a valuable County asset from potential repetitive losses due to tidal surges resulting from hurricanes. The financial expense and potential social distress caused by having to relocate prisoners during storm events and potentially on a long term basis to repair damaged facilities far exceeds the cost to construct the Flood Protection System. Without this protection system, the County may have to construct new facilities elsewhere in the County resulting in costs exceeding ten times the cost to construct this project. In addition, relocating the jail may cause harm to property values in and around a new facility.

4.1. Impact on employment, job training and development, both short term and permanent Construction of this project will save and/or create upwards of 50 construction jobs for the duration of the project.

4.2. Oil spill mitigation outside of claims process In the event that oil is still present in the Gulf from the Deep Horizon Incident, or in the event of another catastrophic oil spill/leak event, this Flood Protection System would prevent oil from contaminating the jail complex should a hurricane make landfall in the region.

5. Identify Indirect benefits and costs

5.1. Collateral Benefits to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed) This project will provide the following collateral benefits: If the Flood Protection System is not constructed significant costs will be incurred in relocating and constructing a new jail complex. The current location, if properly protected by tidal surge, can be expanded upon by adding multi-stories to the

existing facilities thereby maintaining the same basic footprint. This will pose a significantly lower environmental impact, compared to constructing a totally new and expanded facility on currently undeveloped land. Construction of this project will prevent relocation costs which the County cannot afford. The significant cost savings in retro fitting the existing facility will broaden the availability of funds for other much needed projects. The funding for construction of new jail facilities is typically not paramount on the tax payers high priority of beneficial projects. Having to evacuate the jail population and shelter during a Hurricane is a security risk which creates public anxiety and unrest. Should the jail complex become damaged due to a storm surge and rendered unusable, this security risk and resulting public anxiety is magnified. Construction of this Flood Protection System will alleviate these prisoner evacuations and security concerns.

5.2. Collateral Costs or impacts to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed) An adverse impact of this project is simply the aesthetics of the proposed wall and coordination of ingress and egress through the wall. Construction in this area and around the jail will take coordination with local traffic patterns as well as coordinating with management of inmates at critical junctures near the existing facility.

5.3. Connectivity and Linkage to other projects or initiatives: Does this project complement or compete with other projects? What other projects would be precluded if this project is funded? This project is not competing with any known projects of a similar nature, nor does it preclude any other known projects being proposed.

III. Who/How – General Information

1. Name and contact information for Entity, Collaboration or Person submitting project or recommendation nomination. **Joe Ruffer, P.E., Mobile County Engineer, Mobile County Public Works, Mobile County Commission, 205 Government Street, Mobile, AL 36644-1600 (251) 574-8595 phone, (251) 574-4722 fax, jruffer@mobilecounty.net**

   1.1. *Entities and communities sharing a common threat or need are encouraged to collaborate for a joint/combined project submittal to raise the profile of the issue and solution to be addressed. Also please indicate the level of community support or resistance and hurdles to collaboration.* **This project is supported by the Mobile County Commission, City of Mobile, and local residents.**

2. Identify Sponsoring Entity for oversight and accountability if different from above.

2.1. Existing or to be created? Existing

2.1.1. If to be created, what parties or interests must be involved and what level of effort is required to do so? Not Applicable

2.2. Describe governance, organizational capacity, availability of skills, experience of sponsoring entity to implement the Project The Mobile County Commission, operating through the Mobile County Public Works Department will be responsible for the maintenance of the project following construction and acceptance. The Mobile County Commission has the financial capability, expertise, and support personnel to maintain the project to function as designed. The facilities will be maintained for continuous use by the public. The Mobile County Commission will budget the necessary funds to maintain and make repairs as required.

2.3. Project complexity: Hurdles and barriers to project implementation, completion and sustainability. Identify regulatory issues. There are no known environmental regulatory hurdles at this time.

3. Identify any known or anticipated administrative, regulatory, or legislative action that would be required at either the local, state, or federal governmental level. Not Applicable

4. Requested funding from Coastal Recovery Fund (CRF) $12,500,000

5. Identified potential funding sources other than the CRF None

5.1. Leverage or multiplier on CRF investment: matching funds, public or private None

5.2. Public Private Opportunities, user fees, Federal funds, private foundation grants, bonding capacity, etc. None

6. Forecast of ongoing maintenance or operating costs and source of funding if not self sustaining Maintenance costs will be minimal and be far less than repair and restoration costs of water damaged facilities.