



RANK: INFRASTRUCTURE – 16, OVERALL – 28

PROJECT DESCRIPTION

This project will restore historic drainage flows and patterns within the Bayou Grande Drainage Basin. The upper headwaters of the drainage area are not well defined. There is documented evidence that some development activities have unknowingly diverted large areas of stormwater drainage into the drainage way adjacent to Mariner Village and Coral Creek Subdivision. As a result, stormwater flow has been concentrated and flooding is now occurring in areas that had no previous flooding problems. In order to restore historic drainage patterns and reduce flooding of existing homes this project will:

1. Construct stormwater ponds to replace stormwater storage lost due to fill in floodplain areas.
2. Construct a new drainage outfall from the headwaters of the drainage basin along Blue Angel Parkway to the headwaters of Bayou Grande (Garcon Swamp). This work would restore the historical drainage pattern, and would also allow Liberty Church to bring their stormwater system into compliance.
3. Provide channel and stream restoration improvements along two merging creeks to Bayou Grande. The project stormwater management goals are to improve flow through the creek to reduce flood stages and scour in the creek, and provide significant flood control measures. Side stream discharge pond(s), wetland restoration, floodplain restoration, and habitat creation areas are proposed to supplement any impacts to wetlands associated with the stream restoration.

PROJECT DETAILS

Phase 1 (MYIP Activities)- \$200,000

Planning & Design

- Conceptual Plan/Study
- Identify properties for acquisition/easements

Future Phases- \$7,900,000

Construction & Monitoring

- Install 7,000 feet of new 48" storm pipe along the west side of Blue Angel Parkway
- Easement/Land Acquisition
- Stormwater Ponds
- Coral Creek Stream Restoration

Total Project Cost: \$8,100,000

Leverage: None

Primary Eligible Activity: Planning Activities





Project Benefits:

- Flood Protection (Over 300 homes)
- Floodplain Restoration
- Stream Restoration
- Water Quality Improvements
- Enhance Natural System Resiliency
- Restores Stormwater Flow/ Volume
- Improves Community Resiliency
- Provides Temporary Employment
- Reduces Repeated Loss

Key Facts:

- Hydrological flow has been diverted by surrounding development
- Repetitive flooding of homes
- Encroachment around Coral Creek has increased water volume while reducing flow out of the creek

