GOLDEN GATE CITY
STORMWATER SYSTEM IMPROVEMENT PROJECT
(Project #51029)

Background

In 2010, Collier County contracted for a Golden Gate City Stormwater System Inventory and Master Plan. This work inventoried the existing stormwater facilities and divided the “City” [actually not a city, but part of Collier County] into four (4) quadrants of one (1) square mile each, as follows: northwest, northeast, southwest and southeast quadrants, which are further divided by the Master Plan into subsystems (also known as projects).

The Inventory analyzed the condition of the stormwater structures and pipes. The Master Plan spelled out the orderly replacement of the existing stormwater system with priorities for budget costs. No stormwater modeling was done, as it was intended to be a rehabilitation/replacement/maintenance program. Much of the system is in fair to poor condition and is at the end of its useful life. Most of the existing underground piping is corrugated metal with concrete “pillbox” catch basins.

The Transportation Engineering Division (TE) of the Growth Management Department has a program funded annually for upgrading of the County’s overall stormwater system. Included in the program areas are the four quadrants of Golden Gate City, which were originally constructed in the 1960’s and are now functionally obsolete: 1) Northwest Golden Gate City; 2) Northeast Golden Gate City; 3) Southwest Golden Gate City; and 4) Southeast Golden Gate City.

Historically, TE’s rehabilitation approach was to focus on critical facilities, upgrading the “worst first.” The TE Department has identified a hierarchy of areas needing rehabilitation known as subsystems (or projects). In order to effectively and efficiently design rehabilitation projects, TE has decided to follow this hierarchy and design the projects based on condition, relative to other County projects, and adequate funding.

Detailed Scope of Work

The County has contracted with four qualified firms to design and implement the Work Program for the four initial distinct quadrants. Each subsystem within the individual quadrant will consist of three general phases of work, and the contract will not be completed until the County has accepted the constructed improvements within each geographical area (quadrant). The work will include engineering design of the stormwater system and also may include surveying, lighting, sidewalks, and roadway improvements. Additional surveying and clean out/televising services have been required and are on-going. When designs for quadrants are complete, they will be bid out for construction with the available money.

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