

Project Factsheet for: Marion GIS Mapping Phase 1

Date Last Updated: 02/12/2009 15:45

Project Location Information

Location: Marion, Iowa
River Basin(s): Iowa / Cedar
State(s): IA
Congressional District(s): IA-2

Status

Study was physically complete in FY06.

Description

This project is located in the City of Marion. The City of Marion has a population of 29,000 and is located in eastern Iowa neighboring the City of Cedar Rapids. The city has little to no storm sewer records and is looking to update their storm sewer and sanitary sewer mapping to fit into their on-going GIS implementation. The city plans to utilize the GIS data to help planners make better decisions regarding future infrastructure projects. The fast development of the city has increased the need to have a GIS system that shows critical water and sewer infrastructure in order to make better decisions on locations of future storm sewers, detention basins, green spaces, and water systems. The city is actively pursuing best management practices that will create less runoff and lower concentrations of pollutants in the runoff. This mapping system is one of the practices identified to meet the requirements of EPA's National Pollution Discharge Elimination System (NPDES) for small Municipal Storm Sewer Systems.

Since the project would be phased, the city would be divided into four separate sections to complete survey work for each phase. GPS will be utilized to survey sanitary and storm sewer manholes and storm sewer intakes. These structures will be inventoried as points. Additional attribute information for each structure will be collected in the field and entered into a .dbf file. The location of structures that cannot be located by GPS due to foliage etc. will be located with an electronic total station instrument. Mapping will be provided to the city as ArcView shapefiles with separate layers for sanitary and storm sewers. The mapping will be in the Iowa State Plain North NAD 83 coordinate system.

Sponsor completed phase I of the originally-identified multi-phase study prior to Federal PAS funds becoming available. Study scope of work has been revised to reflect sponsor's accomplishments to date. Sponsor has provided cost-sharing funds to complete remaining project phases.

Summarized Financial Data

Federal Cost	\$150,000
Non-Federal Cost	\$150,000
Total Cost	\$300,000

Major Work Item (This Fiscal Year)

(FY09) Financial Closeout.

Major Work Item (Next Fiscal Year)

None.

Authority

CA - Continuing Authorities - Section 22 --

Additional Information

The Section 22 program effectively allows non-Federal interests to leverage their resources and efficiently engage Corps expertise in meeting their water resources planning needs.

Project manager information

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