

To: Noah Hopkins
 Environmental Service Committee
 From: GeoSolve
 Date: 24 March 2006
 Re: Progress on Return to Green Space Project

This memo outlines the progress of GeoSolve on the Return to Green Space Project to determine the best locations for new recycling receptacles to be located by the Environmental Service Committee (E.S.C.) at Texas State University. In this memo, we will describe the project, explain the progress made on the project (including the work completed, present work, and future work), and give an overall appraisal of how the project is going.

Project Description

To comply with the necessary design and style adopted by the Campus Master Plan, the E.S.C. must replace all the current recycling bins. The E.S.C. presented GeoSolve with a RFP of delivering a ranking system using a Geographic Information System to determine the most beneficial locations for the new receptacles. This RFP was delivered to GeoSolve in spring 2006 to be completed within the semester.

Progress Chart		
Process		Status
Data Collection		
Primary	Vending Machines	complete
	Trash Cans	complete
Secondary	Aerial photo (DOQQ)	obtained
	Building Pop Data	obtained
	Buildings	obtained
	Parking Lots	obtained
	Walkways	obtained
	Bus Stops	obtained
	Bus Stop Data	obtained
Analysis		complete
Project Preparation		
	Analysis Interpretation	pending
	Metadata	pending
	Webpage	pending
	CD	to be done
	Poster	pending
	Final Report	to be done

Work Completed

Data Collection

As of this time, both the data collection process and analysis process of the project is complete, and therefore GeoSolve is on schedule as specified in the submitted timeline of the proposal. Here is a breakdown of work completed thus far.

By 22 February 2006, GeoSolve collected building population data, bus stop population data, a building shapefile, a parking lot shapefile, a walkway shapefile, a trashcan shapefile, a vending machine shapefile, and a bus stop shapefile by making the appropriate contacts at Texas State. We then arranged the data for our analysis and determined that we could not use the already available trashcan and vending machine shapefiles, because they were out of date. For a more accurate analysis, GeoSolve decided to use a GPS to find the newest locations of the trashcans and vending machines throughout campus.

By 18 March (Spring Break), GPS locations of the number trashcans and outdoor vending machines were complete. GeoSolve conducted a survey to find the number and type of vending machines present per building; this was finalized on 27 March 2006.

Satellite images for visual reference received from Capco have been downloaded and merged for a visual reference.

Analysis

By March 26, the analysis was planned and carried out successfully.

Present Work

Project Preparation

A more thorough analysis interpretation is currently in progress. Throughout this process GeoSolve will play with the different color schemes and layouts of the results to provide a ranking system showing the best locations for the new recycling bins

An ongoing stage of our project has been creating a webpage. As of right now our web designer has started the layout and design of the webpage.

Metadata is being finalized and merged with previously collected data.

For the final poster, GeoSolve has already started planning what the layout will look like.

The project manager communicates daily, via e-mail, with team members regarding the ongoing progress of the project.

Future Work

Project Preparation

Work that still needs to be done to finalize the project preparation process (apart from the analysis interpretation, the webpage, and the creation of metadata) the final poster, the final report, and a CD containing all of the final data and deliverables are still to be done.

The completed poster will employ computer graphics to display in layman terms the step-by-step method used to conclude our GIS analysis.

The final report will list in detail the data collection process, including information about how the refinement of the collected data indicated data that are more specific was needed, the collection of the additional data, building a geodatabase to organize the collected information, and finally, the prioritized listing of the locations for the new recycling bins on campus.

A CD will include all the data and metadata along with a model (flow chart diagram) showing our step by step process of how we determined our ranking system for the location of the recycling bins. All our .doc files and power point presentations from our proposal to our final deliverables will be included on the CD.

Conclusion

GeoSolve feels the progress on the Return to Green Space Project is right on schedule. With the Analysis complete, we can now concentrate on our final presentation and making sure, all of the final deliverables are in order.