

CARIBCAD

BENCHMARK PILOT

Monitor Report

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Prepared for : CICAT
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The execution of the BENCHMARK PILOT was performed by PUCMM and DK. In the case of the BENCHMARK, a university (PUCMM) was working with a CAD bureau (DK) in the production work. This is not the case in the other two (2) PILOTS. Besides this, PUCMM played its role of “university” monitoring the process in terms of communication flow.

The purpose of this document is to make a step by step description of the BenchMark PILOT execution.

This is a summary of all communication contacts between the partners involved in the PILOT.

Task by Task Monitoring Process:

Task 1: This task objective was to provide DK with enough descriptive information about the area in Dominican Republic (the Historic Center of Santiago de los Caballeros City) that the company (DK) was going to analyze using the Geography Information Systems (GIS) technology. DK had to study this information and request more information, if necessary, in order to be able to achieve a valid urban analysis.

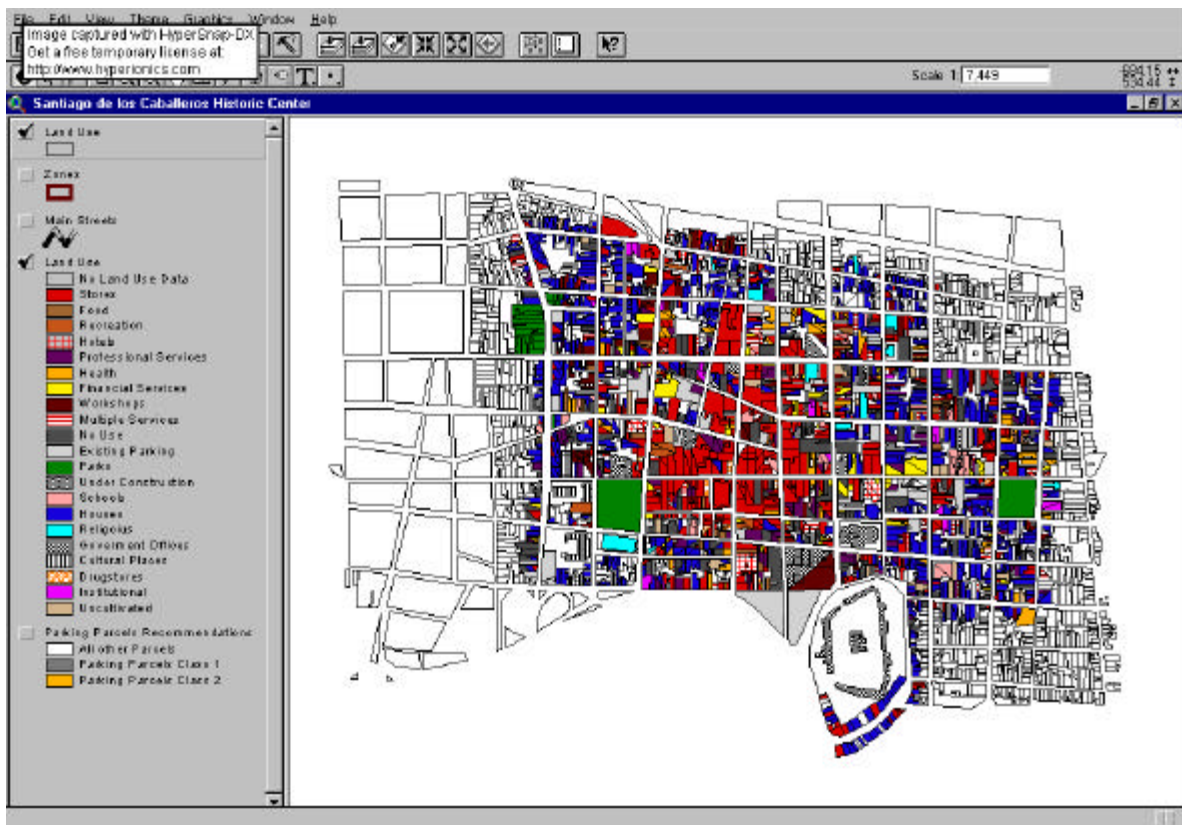
PUCMM prepared the WORD document “**Historic Center Description.doc**” which contained information about the transit, the economical activity and land use in the area of study. This is *Task 1.1* in the document “**BenchMark Requirement Analysis.doc**”. DK studied this information (*Task 1.2*) and they didn’t request any more information about this topic (*Task 1.3*)

Task 2: In this task, the goal was to prepare and process the basic spatial data base for the urbanistic study to be executed.

PUCMM provided four (4) maps (in CAD and GIS format) that were the base of the analysis to be done. This is Task 2.1. These files were:

Public Transportation Routes.DWG, Street Direction.DWG, Entrances and Exits.DWG and **Land Use.ZIP** (5 small files that compose a SHAPE file). In order to be able to utilize the **Land Use.ZIP**, it is necessary to use the file **Land Use Legend.AVL** that contains the necessary configuration information for a valid visualization using the software ArcView 3.1.

The next picture is the contain of **Land Use.ZIP**. Since the file format (SHAPE FILE) requires the use of special software to visualize, we've included the picture to illustrate.



After this, DK performed an evaluation of these inputs (Task 2.2). As a result, PUCMM had to re-send the DWG files to DK because these files were saved in DWG 2000 format and DK had AutoCad release 14. This was the only issue to solve in this sub-task.

Based on the previous four (4) maps, DK performed basic processing and conversion. As a result of this, they produced the map **Main Streets.ZIP** (5 small files that compose a SHAPE file). This is Task 2.3.

PUCMM evaluated the results and asked DK to revise the process because important streets in the city were missing in the map produced. After the revision, DK re-sent the file with two more streets.

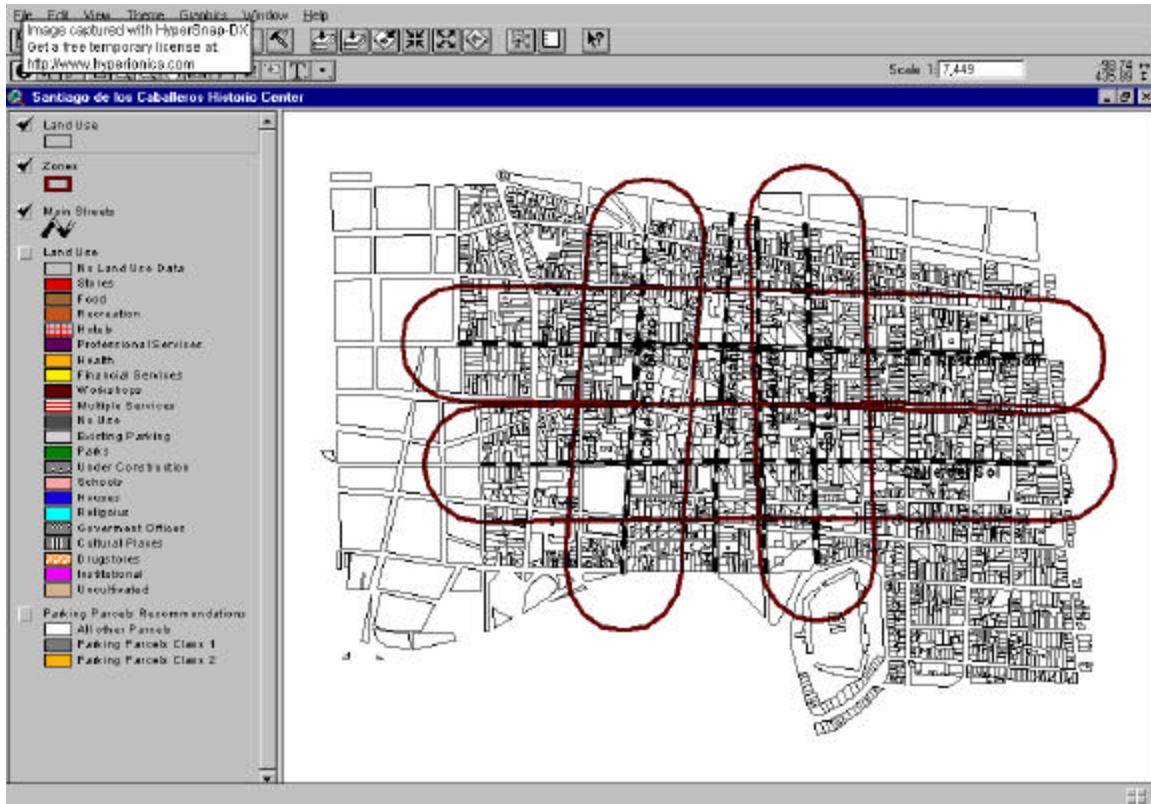
Task 3: In this task, DK achieved the final objective of the whole PILOT that was to select the zones with bigger needs of parking areas and within these zones, the location of the specific parcels to use for the implementation.

DK used all the inputs gathered in Tasks 1 and 2 to produce the next two (2) files:

Selected Zones.ZIP, and a modification on the file **Land Use.ZIP** that used in conjunction with the file **Results Legend.AVL** shows the location of the specific parcels to be used for parking areas.

No mistakes were committed in this last task. In the selection of the zones, there were no possibilities because PUCMM had advised DK that some important streets were missing in the previous task. In the selection of the parcels, the primary and secondary criteria were evaluated and the conventions were met.

Selected Zones:



Specific Parcels Within Each Zone:

