

MEETING DATE: 02/07/2011

AGENDA ITEM: Approval of an Agreement with NorthSouth GIS (Los Angeles, CA) to Obtain Professional Services for Enterprise GIS Installation, Migration, and Application Development.

ATTACHMENTS

		<u>Pages</u>
1.	NorthSouth GIS LLC Proposal & Not to Exceed Budget	1-5



NorthSouth GIS LLC
312 E. First Street
Suite 300
Los Angeles, CA 90012

Phone (800) 866 5013
Fax (866) 378 5877

www.northsouthgis.com

An abstract graphic on the left side of the page, consisting of a green triangle at the bottom left, a black shape to its right, and a grey shape above the black one, separated by white lines.

**NorthSouth GIS LLC
Proposal for ArcSDE and ArcGIS v10
Migration Services
for
City of Culver City, CA**

January 2011



PURPOSE

The City of Culver City has requested a quotation from NorthSouth GIS (NSG) for support services related to the implementation of ArcSDE at the City, and the migration of its Esri GIS foundation software from version 9.x to version 10. NSG believes that this migration is a significant step towards expanding GIS at the City to a true Enterprise IT offering.

This document proposes various components related to this request, based on Time & Material consulting services. NSG would be pleased to discuss these proposed components and adjust them as our understanding of the City's needs improves.

PROJECT SCOPE

NSG has divided the scope of work to three areas:

- ArcSDE Migration: Installation of an ArcGIS Server Database (formerly known as ArcSDE, and referred to in this fashion here for clarity), hosted on an instance of SQL Server, and migration of an initial set of data to this database.
- ArcGIS v10 Migration: Migration of all Esri ArcGIS Server software at the City to version 10, including support for dependent software.
- Geocortex Upgrade: Migration of the City's Geocortex Essentials to the latest version, including migration of the City's Parcel Search WebADF applications and Sewer application.

ArcSDE Migration

Migrating from a file-based geodatabase to a full-fledged SQL Server-based Enterprise ArcGIS Server geodatabase will improve the City's GIS in a variety of ways, with which the City is already familiar. These include security, multi-user versioned editing, performance, and ability to support both editing and web viewing. NSG recommends the implementation of ArcSDE v10, with the version choice of SQL Server being dependent on the City's current licensing level.

NorthSouth GIS (NSG) will provide the following:

- Data inventory
 - o An inventory of the City's GIS data that will need to be migrated into ArcSDE, which will be done with the City's assistance
- Database and migration design
 - o NSG will design the geodatabase to support storage, editing and viewing of the data, and design a migration process from the existing data formats.
- Installation and configuration
 - o At this time NSG proposes to only install one instance of ArcSDE, the City's main repository, i.e. not the Police Department's instance. Staging or replication instances are not proposed at this time.
 - o NSG will implement permissions to the database after discussion with the City.
 - o *The City will be responsible for installing and configuring all necessary Windows Server and SQL Server software, after prior consultation with NSG*
 - o *The City will be responsible for purchase and maintenance of all software, including Esri licenses for the appropriate number of CPU cores*



- Data migration
 - o NSG will assist the City in loading three map layers into the repository and instruct the City in methods to complete the migration.

ArcGIS v10 Migration

The City should migrate its desktop ArcGIS software and its ArcGIS Server software to version 10 at the same time as its migration to ArcSDE 10.

NorthSouth GIS (NSG) will provide the following:

- Dependent application inventory:
 - o An inventory of the City's applications that are dependent on ArcGIS and therefore may be impacted by the migration. Required upgrades or mitigation steps will be determined and described.
 - o *NSG will not perform the physical upgrades of ArcGIS desktop software or licenses.*
 - o *The City is responsible for purchasing and obtaining all installation software.*
- Upgrade ArcGIS Server to v10
 - o The City already uses ArcGIS Server 9.3.1. NSG will upgrade this to v10, and make sure that map services are still accessible in v10.
 - o NSG will assist the City in integrating orthos into the ArcGIS Server services.

Geocortex Upgrade

Geocortex Essentials will need to be upgraded to version 3 in order to maintain compatibility with Esri's v10 software. NSG recommends that the City retain their new Property Info application that uses Web ADF technology for the time being. However, since the underlying Web ADF technology will cease to be supported by Esri in the not-too-distant future, NSG will advise the City on its migration to the Silverlight Viewer that is expected to be released by the end of December 2010.

NorthSouth GIS (NSG) will provide the following:

- Geocortex Essentials Upgrade
 - o Upgrade the software and configure it
 - o Ensure that the Web ADF application continues to function
 - o Ensure that labeling works from ArcSDE in the application

Additionally, NSG proposes to replace the Sewer application with Latitude's new configurable Silverlight Viewer, which will be available with version 3.3 in early 2011. This viewer will provide all the current functions of these applications and substantially more capabilities, which the City can choose to include or leave out. Furthermore, NSG proposes to enhance the Sewer application to make it perform faster and provide more user functionality. Actual enhancements will be designed with the City.

NorthSouth GIS (NSG) will provide the following:

- Implement Silverlight Viewer



- o Evaluate and as necessary tune the map documents used to publish the City's ArcGIS Server map services for use in the Geocortex applications
- o Implement one instance of the application for the Sewer application, with the same features as the current Silverlight application
- Design
 - o Design application enhancements as agreed with the City during initiation

BUDGET

NSG's rates through the end of 2011 are:

#	Classification	Hourly Rate
1	Sr. GIS Consultant	\$180
2	GIS Consultant	\$150
3	Project Mgr.	\$150
4	Sr. Developer	\$135
5	Int. Developer	\$120
6	Jr. Developer	\$105
7	Sr. Analyst	\$135
8	Int. Analyst	\$120
9	Jr. Analyst	\$105
10	Cartographer	\$120
11	Sys. Architect	\$135
12	Bus. Analyst	\$105
13	DB Designer	\$135
14	SW QA	\$105
15	HW/SW/Network	\$135
16	Admin	\$105



NSG's proposed Time & Materials, Not To Exceed budget is as shown:

#	Item	Deliverable	Cost	Duration
1	ArcSDE Migration	• Inventory • Installation • Configuration • Load three core layers	\$17,750	1 month
2	ArcGIS v10 Migration	• Report • ArcGIS Server Upgrade	\$6,000	2 weeks
3A	Geocortex WebADF Upgrade	• Software upgrade • Updated Property Info Application	\$6,000	2 weeks
	Sub-Total		\$29,750	
3D	Design of Silverlight Sewer Enhancements (optional)	• Implement new Sewer Silverlight Viewer • Design for Enhancements to Sewer Application	\$5,000	2 weeks
	Sub-Total		\$5,000	
Total			\$34,750	3 months