

# HARRIS COUNTY GIS TASK FORCE



## MINUTES OF THE November 16<sup>th</sup>, 2005 COMMITTEE MEETING Held at the University of Houston Downtown Campus at 2 pm Meeting Hall

### Present:

André Bally	Harris County PID – Engineering
Lester Byrd	Harris County Precinct 1
Travis Conner	Harris County ITC - GIS
Randy Davidson	Harris County ITC - GIS
Melvic Degracia	Harris County PID - Engineering
David Dignum	ESRI
Roger Forshee	Harris County ITC - GIS
Carol Gaines	Harris County ITC
Samuel Garcia	Harris County PID - Engineering
Christina Hailey	Harris County PHES - Mosquito Control Division
Pamela Kersh	ESRI
Johnny Ontiveros	Harris County ITC
Ashli Prejean	Harris County ITC - GIS
Mike Walters	Harris County PID - Flood Control District
John Wong	Harris County ITC - GIS

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
Call to Order	Roger Forshee - HC-GIS called the meeting to order at 2pm in the meeting hall of UHD.	Roger Forshee	Monthly
Adoption of Meeting Minutes for August 24th, 2005 Meeting	The minutes were unanimously approved and accepted.	All	Monthly
Introductions	There was one visitor, Lester Byrd from HC Commissioner Precinct 1	All	Monthly
<b>Items of Note from the November 2005 H-GAC GDC Meeting</b>			
- Meeting Details	Please see HGAC GDC meeting minutes for more detailed information.		
-Aerial Photography	<p>Contract recommendations from Ad Hoc committee focus on three items - (1) Digital vs. Film, (2) Start Date of flight missions, and (3) Direction and order of flight missions.</p> <p>Currently, primary choice by the Ad Hoc committee is Kyocera, secondary choice is Pictures, and backup choice is P2.</p> <p>In response to the three items of concern:</p> <p>(1) Digital vs. Film - most of the region is available for digital images, but Brazoria and Waller will be film. All 6-inch imagery will be on film</p> <p>(2) Start Date of flight missions - Requests have been made by HCAD for January 1st, TXDOT has requested maximum leaf-off times, and Parks &amp; Wildlife has requested mid-January to mid-February. The compromised dates will be between January 8th and February 15th with delivery sometime in July.</p> <p>(3) Direction and order of flight missions - Requests are to begin in the east and work west</p>	Samuel Garcia	On-going

<b>Old Business</b>			
	None		
<b>New Business</b>			
	None		
<b>Open Forum</b>			
- HC Employee Training Conference	Ms. Gaines reported that 7,032 Harris County employees participated in the 2005 Employee Training Conference held at Reliant. She reports that this is an increase from the previous year's total of approximately 3,000.	Carol Gaines	
<b>Announcements</b>			
- Next HC GIS Task Force Meeting	<b>Next HC GIS Task Force Meeting will be held at the HCPHES Mosquito Control Offices on Thursday January 19th, 2006 at 2pm. The address is 3330 Old Spanish Trail Building D.</b>	All	Monthly
<b>Adjournment</b>			
	Mr. Forshee adjourned the meeting at 2:30 pm.	Roger Forshee	Monthly

GDC meeting minutes attached for September and October 2005.



# GDC (Geographic Data Committee) Meeting Minutes Wednesday, September 7, 2005

## **PRESENT:**

Mustapha Beydoun  
Luke Chuang  
Travis Conner  
(Randy Davidson  
John Wong  
Ashli Prejean)  
Brandon Copeland  
Wenge Fu  
Grant Garrison  
Eva Garza  
Samuel Garcia  
Vince Hamilton  
Bart Harms  
Alice Hung  
Robert LaBarbera  
Joanne Leipnik  
Ed Loomis  
Michael Masters  
Thomas Misek  
Chris McPhilamy  
Scott Newton  
Max Samfield  
Brian Sterling  
Charles Vaughan  
Maria Cristela Vera  
Mike Walters

Texas Southern University (TSU)  
H-GAC  
Harris County I.T.C.

LJA Engineering & Surveying  
H-GAC  
H-GAC

Rice University  
Harris County PID/Engineering Dept.

Michael Baker Jr., Inc.  
City of West University Place

City of Houston

Fort Bend County Engineering Department

Montgomery County 9-1-1

Houston Emergency Center

City of Pearland

Port of Houston Authority

H-GAC

Houston Metro

H-GAC

City of La Porte

City of Pasadena

Houston TranStar

Harris County Flood Control District



# GDC (Geographic Data Committee) Meeting Minutes Wednesday, September 7, 2005

## **ABSENT:**

Dan Ammons  
David Arnold  
Andy Bally  
Evan Bartlett  
Marc Berryman  
Rick Brezik  
Kathy Chavez  
George Culver  
Richard DeBose  
Dr. Drew Decker  
Mary Doetterl  
Brian Dolittle  
Eric Douglas  
Ronald Drachenberg  
Roger Forshee  
Robert Gunter  
Matthew Hanks  
Mark Hochstein  
Cassandra Langley  
Jim Ludtke  
Regina Morales  
Deborah Pattison  
Helvia Quinones  
Doug Ross  
Jeff Scarborough  
Brian Sedberry  
Kevin Sherrodd  
Andy Sikes  
Chavonne Slovak  
Jim Stevens  
Derek St. John  
Malcolm Swinney  
Randall Tallbott  
Paul Ullman  
Doug Wilson  
Sam Wilson  
Vince Yokom

Texas Department of Transportation (TxDOT)  
Galveston Central Appraisal District (GCAD)  
Harris County PID/Engineering Dept.  
R7 Solutions  
Greater Harris County 9-1-1  
City of League City  
Texas Department of Transportation  
Greater Fort Bend Economic Development Council  
Houston Community College System  
Texas Water Development Board (TNRIS)  
Greater Fort Bend Economic Development Council  
Port of Houston Authority  
Magellan K12  
Fort Bend County Engineering Department  
Harris County I.T.C.  
Montgomery County 9-1-1 District  
Brazoria County Engineer's Office  
City of Sugarland  
City of Alvin  
Harris County Appraisal District (HCAD)  
Katy Area Economic Development Council  
City of Waller  
City of Houston Emergency Center (HEC)  
City of Alvin  
PBS&J  
City of Houston Planning & Development Dept.  
Brazoria County Engineer's Office  
Andrew Lonnie Sikes, Inc.  
PBS&J  
Alterra Technologies  
Lockwood, Andrews, & Newnam (LAN)  
City of Baytown  
City of Houston Public Works & Engineering (PWE)  
CivilTech Engineering Inc.  
Claunch & Miller, Inc.  
Magellan K12  
Waller County Economic Development Partnership







# GDC (Geographic Data Committee)

## Meeting Minutes

Wednesday, September 7, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
	<p>Max anticipates a more expensive acquisition if digital capturing is chosen. Prices for digital might be \$75 or \$80 per square mile but there are indications they could be lower (\$60). Some of the vendors are mentioning \$75.</p> <p>This time the late penalty clause is significantly higher. Max recommends digital capture if there were a \$10 per square mile difference. A \$20 – 25 square mile difference would mean a 50% increase on an approximate contract amount of \$600,000 – \$700,000. Vendors have been given the opportunity to offer both the conventional and digital method.</p> <p>The resolution will be a combination of 1 foot and six inch but still primarily 1 foot for most areas. A number of partners would like to bring the resolution down to six inch if possible. They need to make a note “six inch preferred” on their request for the areas to be covered in the composite when they submit it to Grant Garrison at H-GAC.</p> <p>Areas that have only one partner will decide at their discretion if they should be flown and that participant will shoulder the entire cost for that Lambert area. TxDOT indicated that they want to acquire the entire area of Harris County and the counties contiguous on the Northern, Southern and Western sides of the Harris County.</p> <p>H-GAC decided not to coordinate with Capital Area Planning Council of Government this time. They wanted a four year contract and H-GAC decided for a two year contract. They had over 300 cells in their pricing matrix for the vendors to fill out to cover every possible type of information they might want to collect during that time period. Some of the vendors told Max they would not bid on it because it was just asking for too many details.</p>		

Technical Advisory Committee for Remote Data Exchange	<b>GO!Sync Software Installation Schedule/Plans</b> GO!Sync software was installed at the Harris County Flood Control District on ArcGIS 9.1. They will migrate into their ArcSDE database after the	Grant Garrison (H-GAC)	
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# GDC (Geographic Data Committee)

## Meeting Minutes

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	<p>ongoing testing is completed. Harris County ITC (formerly J.I.M.S.) is now on ArcGIS 9.1 too. Upgrade and installation to ArcGIS 9.1 for Houston TranStar and Harris County PID will happen before the next GDC meeting. CenterPoint Energy has indicated interest in GO!Sync for ArcGIS. This might help streamline their Landbase data to H-GAC and help migrate that information into the STAR*Map more easily for each agency. At this point it is a fairly limited number of agencies interested but we expect in the coming months that this will grow rapidly. Everybody is encouraged to get into the project now because the price is low. Max negotiated a grandfathering pricing rate of \$800 for the GO!Sync Edit Client software until the end of 2005. The price will then go up to \$2,200. License and maintenance rates, however, will be based on the standard price of \$2,200, even if the purchase happened at the grandfathered price. They are about 20% of the purchase cost at \$420 for an edit license per year. Database requirements have to be met on the client side in order to incorporate data into a synchronized network, especially the use of a Global User ID. There is an issue on the ArcSDE side mainly concerning Versioning. If the organization is using a Personal Geodatabases it will be less complicated on either end.</p>		
<p>GIS Day Expo November 17/18 University of Houston Downtown GIS Day 2005</p>	<p><b>Preparation Status Update</b></p> <p>GIS Day is being hosted November 17 and 18 at the University of Houston-Downtown. Details can be found at: <a href="http://www.HoustonAreaGISDay.org">www.HoustonAreaGISDay.org</a></p> <p>Exhibitors can register online. Houston TranStar and H-GAC will add this link to their websites and other agencies are encouraged to do the same. The event is Free of charge. Dr. Dale Sawyer, Earth Science professor from Rice University, committed as keynote speaker. His topic is the Tsunami. Maria Vera hopes to be able to also invite Walt Cunningham who is a former astronaut with the NASA SkyLab program.</p> <p>36 Exhibition Booths are available. Outside spaces do not have electricity. Exhibitors can work with popup displays. Volunteers are needed for the event. The floor plan layout will be the same as in 2004.</p>	<p>Maria Vera (Houston TranStar)</p>	



# GDC (Geographic Data Committee)

## Meeting Minutes

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Mentoring	<p><b>Mentoring Update</b>            So far, more than 50 HISD teachers showed interest in mentoring groups. More mentors are required. Anybody who would like to volunteer as a mentor should contact Maria Vera or Grant Garrison. If the number of mentors is not sufficient, there will be one-on-one sessions with teachers so they can relay GIS information to their students.</p>	Maria Vera (Houston TranStar)	
GIS Training	<p><b>Geodatabase Design Concepts</b>            H-GAC will be hosting the ESRI training class "Geodatabase Design Concepts" on Oct. 10 &amp; 11. The cost for the class is \$850 per student.</p> <p>Other classes of interest are an ArcIMS using ArcXML and an ArcGIS Parcel Editing. If anyone has an interest in these or other classes please contact Grant Garrison.</p>	Grant Garrison (H-GAC)	
Other Business	<p><b>Key Maps Grid Renewal</b>            Max negotiated a new agreement with Key Maps. In the past, the contract was \$3,000 divided among the number of participants. After the initial execution of the agreement of listed participants anyone who came on later paid \$500. The new minimum price per contract remains at \$3,000 but Key Maps now wants to charge \$500.00 per participant regardless on the number of participants. Agencies who foresee an issue with a potentially higher price should let Max know. The contract will list all participating agencies. and you will have a signature's key that will be required to be sent in. This makes it easier to keep track who has it and that you agree to abide by the terms, more specifically the limitations on the distribution.</p>	Max Samfield (H-GAC)	

	<p><b>ESRI User Conference Recap</b>            ESRI is holding a 2005 User Conference Recap in Houston and Austin in October. The 2005 User Conference Recap in Houston will be on October 20<sup>th</sup> at the Hilton Houston Post Oak. 300 – 500 people are expected to attend. It is free of charge</p>		
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## Meeting Minutes

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	<p>but you must register for it on the ESRI web site.  <a href="http://gis.esri.com/events/index.cfm?fuseaction=showSeminar&amp;shownumber=8536">http://gis.esri.com/events/index.cfm?fuseaction=showSeminar&amp;shownumber=8536</a></p> <p><b>GITA Conference</b>            A three day GITA conference is planned this month in about two weeks at the J.W. Marriott on Westheimer and Sage with about 300 people expected. There is a charge. Website:  <a href="http://www.gita.org">www.gita.org</a>.</p> <p><b>Other Interesting Venues</b>            The Friday following GITA a PODS Conference (Pipeline Open Design Standards) is scheduled. GISInc. holds a conference related to antiterrorism in San Antonio.</p> <p><b>New Data Services Department Assistant</b>            Kathy Tran decided to be a stay at home and be a mom after the birth of her newborn baby in July. Max has hired a new assistant: Hilde Leitenbacher.</p> <p><b>NAIP Presentation</b>            Grant will follow up with Gordon Wells from the University of Texas, Space Research Center, an expert in the field of Remote Sensing who has been intensely involved with NAIP at the state level. Gordon Wells will be invited to present at one of the next GDC meetings in the coming months.</p>		
Adjourned	Meeting adjourned at 11:50 am		
Next GDC Meeting	Wednesday, October 5, 2005	ALL	Monthly



# GDC (Geographic Data Committee) Meeting Minutes Wednesday, October 5, 2005

## **PRESENT:**

Dan Ammons  
David Arnold  
Joel Avery  
Marc Berryman  
Mustapha Beydoun  
Travis Conner  
Richard DeBose  
Grant Garrison  
Samuel Garcia  
Eva Garza  
Bart Harms  
Alice Hung  
Gregory B. Johnson  
Robert LaBarbera  
Ed Loomis  
Michael Masters  
Thomas Misek  
Scott Newton  
Max Samfield  
Jeff Scarborough  
Chavonne Slovak  
Randall Tallbott  
Charles Vaughan  
Doug Wilson

Texas Department of Transportation (TxDOT)  
Galveston Central Appraisal District (GCAD)  
Houston Police Department  
Greater Harris County 9-1-1  
Texas Southern University (TSU)  
Harris County I.T.C.  
Houston Community College System  
H-GAC  
Harris County PID/Engineering Department  
Rice University  
City of West University Place  
City of Houston  
City of Houston  
Fort Bend County Engineering Department  
Houston Emergency Center  
City of Pearland  
Port of Houston Authority  
Houston Metro  
H-GAC  
PBS&J  
PBS&J  
City of Houston Public Works & Engineering (PWE)  
City of Pasadena  
Claunch & Miller, Inc.



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Andrew C. Bally	Harris County PID/Engineering Dept.
Evan Bartlett	R7 Solutions
Rick Brezik	City of League City
Brandon Copeland	LJA Engineering & Surveying
George Culver	Greater Fort Bend Economic Development Council
Dr. Drew Decker	Texas Water Development Board (TNRIS)
Mary Doetterl	Greater Fort Bend Economic Development Council
Brian Dolittle	Port of Houston Authority
Eric Douglas	Magellan K12
Ronald Drachenberg	Fort Bend County Engineering Department
Roger Forshee	Harris County I.T.C.
Robert Gunter	Montgomery County 9-1-1 District
Vince Hamilton	Michael Baker Jr., Inc.
Matthew Hanks	Brazoria County Engineer's Office
Mark Hochstein	City of Sugar Land
Cassandra Langley	City of Alvin
Joanne Leipnik	Montgomery County 9-1-1
Jim Ludtke	Harris County Appraisal District (HCAD)
Regina Morales	Katy Area Economic Development Council
Deborah Pattison	City of Waller
Helvia Quinones	City of Houston Emergency Center (HEC)
Doug Ross	City of Alvin
Kevin Sherrodd	Brazoria County Engineer's Office
Andy Sikes	Andrew Lonnie Sikes, Inc.
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# GDC (Geographic Data Committee)

## Meeting Minutes

Wednesday, October 5, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
Call to Order	Robert LaBarbera, Fort Bend County Engineer's Office, called the meeting to order at 9:40 am.	Robert LaBarbera (Fort Bend County)	
Adoption of Minutes	The minutes for August 3, 2005, were unanimously approved.	All	
STAR*Map (Street Centerline / Addressing Database)	<p><b>Columbia Regional Geospatial Service Center</b>            Dr. James Kroll, Director of the Columbia Regional Geospatial Service Center at the Stephen F. Austin State University (SFASU) and P.R. Blackwell, Assistant Director of Operations presented a talk on the Center &amp; geographic data sharing.</p> <p>The Center, known as "The Columbia Center", was founded in 1997 to collect natural resources information for the East Texas region and make it available to resource managers, policy makers, and politicians. An initial \$500,000 in startup money was provided by the TLL Temple Foundation. Several state centers and representatives saw the potential for emergency response and planning but could not secure the required funding. National interest in geospatial activities grew after 9/11. The Center received a lot of attention after their response to the recovery effort of the Columbia shuttle and its crew. The Columbia Center worked with the county and city in developing their FEMA mandated emergency management mitigation plans and was able to draw from a huge amount of geographic data available. Texas Senator Hutchison achieved a \$400,000 appropriation and recently a level 6 appropriation to establish the nation's first regional geospatial service center system which currently is made up of the Columbia Center in Nacogdoches, TX at Stephen F. Austin State University and the sister center at the University of Texas at El Paso.</p> <p>Dr. Kroll pointed out that emergency response and planning should be a local affair. Geographic data is the most accurate when kept &amp; maintained at the local level and not in a centralized database. Most federal agencies prefer a centralized database supporting the local level. However single, centralized systems can go off-line.</p>	Dr. James C. Kroll P.R. Blackwell (SFASU)	
	Multiple, regional centers can warehouse		



# GDC (Geographic Data Committee)

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	<p>redundant data that may be lost in a single database during a catastrophic event. Dispersed centers can support an emergency response as they did after hurricane Rita by providing local data to regions that were hit hard and devastated like Beaumont and Jasper. This concept proved to be accurate and effective. The Center's building was hit during Rita but within a few hours computers and data were moved to another place and the Center was back in operation.</p> <p>Seven to eight regional centers are planned in the state of Texas. They should be a backup to each other and provide redundancy. Regional centers will respond to local needs and in the near future will be connected through a central hub at TNRIS, the state agency responsible for geographic information in Texas. Currently operations go through the University of Texas at El Paso and Stephen F. Austin State University in Nacogdoches. All centers will be connected using Alphalink for fast data transfer. The Columbia Center would like to replicate department data in the Nacogdoches facilities to have an online backup for use of emergency.</p> <p>National programs tend to fall short in rural areas. The Columbia Center wants to close the gap and bring the technology to rural areas. Currently Center data occupies more than 4 TB of storage on a Silicon Graphics Origin 2000 server. The Center plans to move from a large single image system to a distributed architecture on multiple servers. It will use Blade technology with various types of clustering for a combined hosting in both geodatabases and file-based environments.</p> <p>Immediately after the hurricane, mostly simple road maps were requested for distribution to the emergency teams. The gridlock that was present on the evacuation routes needs solutions. There was not a way to send accurate maps via PDF format to the field. The center printed hundreds of simple maps and delivered them by truck to the affected area.</p>		



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	<p>Onsite mapping capabilities are needed to replicate the Center to a mobile response mapping vehicle with a satellite link to be able to offer assistance. The Columbia Center wants to find out which application is mostly used by counties and cities to build on it instead of imposing an overlaying structure. TNRIS will come up with standards at a state level. The Columbia Center wants to supply counties and cities GIS needs for East Texas. The Columbia Center receives a lot of support from entities like TNRIS and the USGS National Map.</p> <p>Dr. Kroll said that the FRI website, <a href="http://www.fri.sfasu.edu/portals/geospatial_map.html">www.fri.sfasu.edu/portals/geospatial_map.html</a> is currently an internet map service. All spatial data are available in the UTM, zone 15 projection.</p>		
	<p><b>Quarterly Release Status Report</b></p> <p>The third quarter STAR*Map CD release will be distributed to maintenance subscribers at the end of the week. Those who are not maintenance subscribers but would like to have a copy should contact Grant Garrison at 713-993-4519 or <a href="mailto:grant.garrison@h-gac.com">grant.garrison@h-gac.com</a>. A total of 18,700 changes were made, 1,758 of them road segments that were added (digitized) and 16,942 were spatial changes to the geography or attribute changes to the database table attributes. Mostly street centerlines changes but not many additional address points (7,400) were added. Most of those changes occurred in Harris and Fort Bend counties.</p> <p>In the attribute table of the STAR*Map road layer two fields allow tracking the changes. The "add_date" field adds a date stamp every time a new road segment is added (digitized) to the map. A query from the entry date to today would provide you with a list of all newly added roads. The "change_date" field shows the total of 18,700 changes. When the "add_date" records are being subtracted from the "change_date" records just the modifications made will be shown. The "source" field captures the author of the edits.</p> <p>The fourth quarter STAR*Map CD release will be ready for distribution the first week of January 2006.</p>	Grant Garrison (H-GAC)	Ongoing



# GDC (Geographic Data Committee)

## Meeting Minutes

Wednesday, October 5, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
Remote Sensing Data (Digital OrthoPhotography & LiDAR)	<p><b>2006 Remote Sensing Data RFP Status</b>            H-GAC extended the deadline for submissions of bids due to hurricane Rita by a week to Friday, October 7th, 2 pm. Vendor questions mostly referred to the LiDAR component. Harris County Flood Control District responded to these questions. About 15 vendors registered through the website. Some of the organizations will most likely be subcontracting on portions of the contract.</p>	Max Samfield (H-GAC)	
	<p><b>Imagery Review Subcommittee Meeting Status</b>            After the RFP submission deadline, the aerial imagery review committee will get together for a bid opening meeting this Friday, October 7th, between 2:15 and 4:30 pm. An e-mail will be sent to all review subcommittee members.</p> <p>The top three bids will be presented to the H-GAC Board of Directors on November 15th to receive approval. Immediately after that, contract negotiations with the top ranked vendor will begin.</p>	Max Samfield (H-GAC)	
	<p><b>Updated 2006 Aerial Imagery Partner Map</b>            Current Partners (22):</p> <ul style="list-style-type: none"> <li>- Fort Bend County Engineer's Office</li> <li>- Harris County Flood Control District</li> <li>- Harris County ITC (formerly J.I.M.S.)</li> <li>- Harris County PID (Engineering Division)</li> <li>- Harris County Appraisal District</li> <li>- City of Pearland</li> <li>- Greater Harris County 9-1-1</li> <li>- Houston Metro</li> <li>- TxDOT (IHouston District)</li> <li>- Montgomery County 9-1-1</li> <li>- City of Houston Planning &amp; Development</li> <li>- City of League City</li> <li>- City of West University</li> <li>- City of Sugar Land</li> <li>- City of Stafford</li> <li>- North Harris County Regional Water Authority</li> <li>- Port of Houston Authority</li> <li>- CenterPoint Energy</li> <li>- City of La Porte</li> <li>- City of Missouri City</li> <li>- City of Webster</li> <li>- H-GAC, contributing \$10,000 (flat)</li> <li>- USGS, contributing \$50,000 (flat)</li> </ul>	Grant Garrison (H-GAC)	



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	<p>These potential partners participated in the 2004 project and might partner again:</p> <ul style="list-style-type: none"> <li>- City of Freeport</li> <li>- City of Galveston</li> <li>- City of Pasadena</li> <li>- City of Baytown</li> <li>- Galveston County Appraisal District</li> <li>- Brazoria County Engineer's Office</li> <li>- City of Rosenberg</li> <li>- Greater Fort Bend Economic Development</li> </ul> <p>A partner map was distributed. Both Harris and Fort Bend Counties were well covered, Galveston County is somewhat covered and may be more completely covered soon. Brazoria County lacks partnerships. So far, TxDOT and CenterPoint are planning to contribute in Brazoria County, but additional partners are still needed. Anybody interested in a partnering on this project should contact Grant Garrison at H-GAC.</p> <p>Some organizations might want specific lamberts but have very limited funds to contribute. They should contact Grant with how much they can contribute and what specific lamberts they would like. In some cases their funds might be adequate to pay for more than the lamberts they have identified.</p> <p>Partners will receive the imagery first after it is delivered by the vendor. This is planned to be around September/October 2006. All others will have to wait until after the partners have received the images to buy those aerials from the H-GAC. H-GAC can work with agencies on budget years and adjust. Within the next month or two, after the cost is known, each listed partner should submit a Letter of Commitment to H-GAC for their participation.</p> <p>Interested parties should identify the area they want and send Grant Garrison an e-mail (<a href="mailto:grant.garrison@h-gac.com">grant.garrison@h-gac.com</a>) to let him know if they want specific lamberts or a whole county. This is still non-binding request. H-GAC will follow up these commitments later.</p>		
<p>Technical Advisory Committee for Remote Data Exchange</p>	<p><b>GO!Sync Software Grandfather Licensing</b>            The grandfather period for the licensing discount runs out at year end 2005. If GDC members are interested in a GO!Sync Edit license or a GO!Sync</p>	<p>Max Samfield (H-GAC)</p>	



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	<p>View license they should contact Max or Grant. Maintenance is included for the first 12 months after license purchase.</p> <p>After the first 12 months, even if bought at grandfathered price, maintenance will be based on the new pricing: 20% of the full price, \$400 a year for an Edit license and half that for a View license.</p> <p><b>GO!Sync Software Installation Status</b>            GO!Sync software was installed at Harris County PID, Harris County ITC (formerly J.I.M.S.), and Harris County Flood Control District. Issues are still being resolved with each of them.</p> <p>Grant anticipates installation at the City of Houston Houston Emergency Center (HEC), Planning and Development Department, and potentially Public Works within the next month or two. He will work with Rice University at Fondren Library and Greater Harris County 9-1-1 District. Potential partners: Harris County Appraisal District. HCAD, Rice University, and Houston TranStar will only have View licenses.</p> <p>A view license only allows replicating data from other sites to their own site. So only data from other sources is kept up to date. It will not replicate data from their site to everybody else.</p> <p>STAR*Map is the core data set that is included in the GO!Sync database. The data should be complemented with partner data that is being maintained by the partner directly and available for sharing and distribution. At this point the amount of data is limited. There are a few other layers starting with Commissioner Precinct boundaries and parks. On the long term. A wider source of data layers will be included in the system. Parcels may be included as layer in the system at some point in the future.</p>	<p>Grant Garrison (H-GAC)</p>	
<p>GIS Day Expo (November 17/18 University of Houston Downtown)</p>	<p><b>Event Preparation Status</b></p> <p>GIS Day is being hosted November 17 and 18 at the University of Houston-Downtown. Registration is available online for the exhibits:  <a href="http://www.HoustonAreaGISDay.org">www.HoustonAreaGISDay.org</a></p> <p>GDC members were asked to spread the word that sponsors are still wanted for the GIS Day to cover the costs for student lunches, prizes and miscellaneous expenses.</p>	<p>Thomas Misek (Port of Houston Authority)</p>	



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Wednesday, October 5, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
	<p>More details and the sponsorship request form (with a click on "PDF document") can be found at: <a href="http://www.HoustonAreaGISDay.org/sponsors.htm">www.HoustonAreaGISDay.org/sponsors.htm</a></p> <p>H-GAC provided a budget to support the event but would like to recover some of the expenses from the sponsors. Sponsors should make checks payable to H-GAC with a comment "GIS Day Sponsorship" or provide a purchase order to H-GAC. Maria Vera or Grant Garrison will answer questions related to the GIS Day.</p>		
	<p><b>Mentorship Update</b> GDC offers two types of mentor programs:</p> <ul style="list-style-type: none"> <li>– GIS professionals that go into high schools and work with instructors to complete a GIS project. Students will present the project at a booth at the GIS Day. This requires some dedication to working with an instructor and making school visits between now and GIS Day.</li> <li>– GIS professionals offer a one-time session for instructors to present GIS or commit to go to a school and provide an hour of their time to present GIS.</li> </ul> <p>Persons for both types of mentorship are required. David Dignum has a map and spreadsheet of schools and locations for anybody interested in becoming a mentor.</p>	David Dignum (ESRI Houston)	
	<p><b>GIS Day – Call for Presentations</b> GIS professionals are needed to present on GIS and how GIS is being used in their organization. Presentations should be 15 – 20 minutes. If your interested contact Grant Garrison.</p>	Grant Garrison (H-GAC)	
	<p><b>GIS Day - Maps or Posters</b> Posters and plots are being accepted for the GIS Day event. Like last year there will be a map gallery. Prizes are being awarded to the best maps or displays. Samuel Garcia is the contact to reserve space or send the display (<a href="mailto:sgarcia@eng.hctx.net">sgarcia@eng.hctx.net</a>). Submission deadline is November 1st, 2005.</p>	Samuel Garcia (Harris County PID)	



# GDC (Geographic Data Committee)

## Meeting Minutes

Wednesday, October 5, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
GIS Training	<p><b>ESRI Geodatabase Design Concepts (October 10 – 11, 2005)</b>            H-GAC contracted with ESRI for onsite class training for a flat fee of \$7,500. H-GAC will be hosting the ESRI training class “Geodatabase Design Concepts” on October 10 and 11. Cost is \$850 per student. The training provides an introduction to Geodatabases and will show how to build Geodatabases using Domains, Subtypes, and Catalogues. A basic understanding of GIS and some ArcGIS skills are prerequisites.</p>	Grant Garrison (H-GAC)	
	<p><b>Future ESRI GIS Training Courses of Interest</b>            ArcSDE Administration and ArcIMS/ArcXML classes are being planned for early next year. If anyone is interested in these or other classes they should contact Grant Garrison.</p>	Grant Garrison (H-GAC)	
Other Business	<p><b>Key Maps Grid (Page and Letter Block) License Renewal</b>            H-GAC has signed the final contract and sent it to Key Maps for their sign-off. As soon as the countersigned copy arrives from Key Maps, Max will forward a copy to all GDC members who have indicated that they will be renewing their contract.</p> <p>They will also receive a form that they will need to sign indicating their participation and agreement to abide by the terms of the contract and limitations on the distribution. The form will go to Key Maps and a copy will stay with H-GAC. Then agencies will be added to the list of participants that Key Maps will keep in their file.</p> <p>Current participants are:</p> <ul style="list-style-type: none"> <li>– Greater Harris County 9-1-1</li> <li>– Montgomery County 9-1-1</li> <li>– TxDOT (Houston District)</li> <li>– Harris County Appraisal District</li> <li>– Houston TranStar</li> <li>– Houston Metro</li> <li>– City of Pearland</li> <li>– City of Alvin</li> <li>– H-GAC</li> </ul> <p>Cost of participation is \$500.00 per participant. Any organization that wants to be included in the Key Maps grid contract should send a confirmation e-mail to Max or Grant.</p>	Max Samfield (H-GAC)	
	There might be users who want to go beyond the		



# GDC (Geographic Data Committee)

## Meeting Minutes

Wednesday, October 5, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date																						
	<p>generic contract. They may have to draw a separate contract. Harris County I.T.C. announced they wanted to be added.</p>																								
	<p><b>InfoUSA Business and Household Database Lease Renewal</b></p> <p>The InfoUSA leasing contract for business and household data is due for renewal in November. It is for two databases: one business and one household database. The business database, with about 200,000 records, has all employers/businesses in the 13 county region and includes single proprietor businesses.</p> <p>InfoUSA provide better information on small companies than Dun &amp; Bradstreet because D&amp;B only confirms with smaller companies every 5 or 7 years but tracks the big ones very closely. The business database is valuable for planning and economic development. The household database has about 2,000,000 records with detailed information about household income, property values, credit ratings and similar for Harris County only.</p> <p>Max negotiated a full package of business and household data with InfoUSA at \$35,000 for a multi-user concurrent use license for the GDC members. H-GAC's Transportation Department confirmed that they will contribute \$10,000 this year. Assuming that Harris County ITC will also contribute \$10,000, \$15,000 is still required.</p> <p>Last year's contributions were:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">H-GAC Transportation</td> <td style="text-align: right;">\$10,000</td> </tr> <tr> <td>Harris County ITC</td> <td style="text-align: right;">\$10,000</td> </tr> <tr> <td>Houston TranStar</td> <td style="text-align: right;">\$500</td> </tr> <tr> <td>Rice University</td> <td style="text-align: right;">\$3,000</td> </tr> <tr> <td>TxDOT</td> <td style="text-align: right;">\$2,500</td> </tr> <tr> <td>Greater Harris County 9-1-1</td> <td style="text-align: right;">\$1,000</td> </tr> <tr> <td>LJA Engineering</td> <td style="text-align: right;">\$3,000</td> </tr> <tr> <td>Greater Fort Bend EDC</td> <td style="text-align: right;">\$1,000</td> </tr> <tr> <td>H-GAC Transportation</td> <td style="text-align: right;">\$2,000</td> </tr> <tr> <td>City of Pasadena</td> <td style="text-align: right;">\$1,000</td> </tr> <tr> <td>City of Pearland EDC</td> <td style="text-align: right;">\$1,000</td> </tr> </table> <p>LJA Engineering &amp; Surveying will not participate this year. They will deal directly with ESRI for the Business Analyst software. This already includes most InfoUSA data.</p>	H-GAC Transportation	\$10,000	Harris County ITC	\$10,000	Houston TranStar	\$500	Rice University	\$3,000	TxDOT	\$2,500	Greater Harris County 9-1-1	\$1,000	LJA Engineering	\$3,000	Greater Fort Bend EDC	\$1,000	H-GAC Transportation	\$2,000	City of Pasadena	\$1,000	City of Pearland EDC	\$1,000	<p>Max Samfield (H-GAC)</p>	
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# GDC (Geographic Data Committee)

## Meeting Minutes

Wednesday, October 5, 2005

Agenda Item	Action/Discussion/Information	Responsibility	Due Date
	<p>maintenance. Updates are being provided semi-annually. When the lease runs out, data still can be used internally but would soon be outdated. The error rate would increase and infoUSA does not want it represented as their data if it is not accurate. Licensees are permitted to use the data on a website for users to see basic information but once the data is outdated it would have to be taken off the website. Max would like to see commitments for the lease renewal within the next four weeks to be able to present to the H-GAC November Board of Directors meeting together with the Aerial Imagery.</p>		
	<p><b>ESRI User Conference Recap</b>            An ESRI User Conference Recap will be held in Houston on Thursday, October 20th, in the Hilton Post Oak. Registration starts at 8:00 am. It is a free seminar. Users who signed up on the ESRI website will receive a notice. Flyers have been mailed out.</p> <p>Details can be found at:  <a href="http://www.esri.com/events/index.html">www.esri.com/events/index.html</a></p> <p><b>Training &amp; Events</b>  <b>Upcoming Events</b>  <b>Seminars</b>  <b>2005 User Conference Recaps</b></p> <p>There will also be an ESRI User Conference Recap in Austin on October 26th.</p>		
	<p><b>Hurricane Related Data Sets</b>            Thomas Misek found some useful data sets and evacuation polygons for Harris County on <a href="http://www.usgs.gov">www.usgs.gov</a> and other data at <a href="http://www.tnris.org">www.tnris.org</a></p> <p>This information came through FEMA in conjunction with USGS with Harris County Flood Control District and the Texas State Emergency Management.</p>	Thomas Misek (Port of Houston Authority)	
Adjourned	Meeting adjourned at 11:15 am		
Next GDC Meeting	Wednesday, November 2, 2005	ALL	Monthly



# Adhoc Geographic Data Committee Meeting Minutes

Wednesday, October 26, 2005, 2:00 pm

Agency	Member/ Alternate(s)	Present
Alterra Technologies	Jim Stevens	●
Andrew Lonnie Sikes, Inc.	Andy Sikes	
Brazoria County Engineer's Office	Kevin Sherrodd Eric W. Dyess Matthew Hanks	●
City of Alvin	Doug Ross Cassandra Langley	
City of Baytown	Malcolm Swinney	
City of Houston, Planning and Development	Alice Hung	
City of Houston, Public Works and Engineering	Gregory B. Johnson Randall Talbott	
City of La Porte	Brian Sterling	
City of League City	Rick Brezik	
City of Pasadena	Charles Vaughan	●
City of Pearland	Michael Masters	●
City of Sugar Land	Mark L. Hochstein	
City of West University Place	Bart Harms	
Civil Tech Engineering, Inc.	Paul Ullman	●
Claunch & Miller, Inc.	Doug Wilson	
Fort Bend County Economic Development Council	Mary A. Doetterl George Culver	
Fort Bend County Engineer's Office	Ronald Drachenberg Robert LaBarbera	●
Galveston Central Appraisal District	David Arnold	
Harris County 9-1-1	Marc Berryman	
Harris County Appraisal District	Jim Ludtke Jackie Smith	●
Harris County Engineer's Office	Andre C. Bally Samuel Garcia	●
Harris County Flood Control District	Michael Walters	●



# Adhoc Geographic Data Committee Meeting Minutes

Wednesday, October 26, 2005, 2:00 pm

Agency	Member/ Alternate(s)	Present
Harris County Information Technology Center	Roger Forshee Travis Conner Randy Davidson Ashli Prejean John Wong	
Houston Community College	Richard DeBose	
Houston Emergency Center	Ed Loomis Helvia Quinones	
Houston Metro	Scott Newton	
Houston TranStar	Maria Cristela Vera	●
Houston-Galveston Area Council	Max Samfield Grant Garrison	● ●
Katy Area Economic Development Council	Tim Neeley	
LJA Engineering & Surveying	Brandon Copeland	
Lockwood, Andrews & Newnam, Inc.	Derek St. John	
Magellan K12	Eric Douglas Sam Wilson	
Michael Baker Jr., Inc.	Vince Hamilton	
Montgomery County 9-1-1	Joanne Leipnik Robert M. Gunter	
Post, Buckley, Schuh & Jernigan, Inc.	Jeff Scarborough Chavonne Slovak	
Port of Houston Authority	Brian Doolittle Thomas Misek	●
R7 Solutions	Evan Bartlett	
Rice University	Eva Garza	●
Texas Department of Transportation	Kathy DeBettencourt Dan Ammons	●
Texas Southern University	Mustapha Beydoun	●
Texas Water Development Board	Dr. Drew Decker	
Waller County Economic Development Partnership	Vince Yokom Deborah Pattison	



# Adhoc Geographic Data Committee Meeting Minutes

Wednesday, October 26, 2005, 2:00 pm

Agenda Item	Action/Discussion/Information	Responsibility
Call to Order	Robert LaBarbera, Fort Bend County Engineer's Office, called the meeting to order at 2:10 pm.	Robert LaBarbera (Fort Bend County)
Purpose of Meeting	This Adhoc Subcommittee meeting has been scheduled to go through the aerial photography vendors who submitted an RFP.	
Background	The Aerial Review Subcommittee met on October 7th after the nine proposals came in. Each subcommittee member was assigned one proposal and asked to review it in his/her office and then report back. For the proposal assigned members contacted the vendor to retrieve more information and also contacted companies who had worked with the vendor in the past to ask for references. On October 17th the subcommittee met again and came up with an evaluation.	
1 ft / 6", and LIDAR	Bidders responded to two general categories: <ul style="list-style-type: none"> <li>- 1 ft and 6" imagery, true color</li> <li>- LiDAR</li> </ul>	
LiDAR	Harris County Flood Control District provided the specifications for LiDAR. In the past three years companies started flying LiDAR as a business. The LiDAR price range was widespread, from a low of \$80-87/mi <sup>2</sup> to a high of almost ten times that amount close to \$800/mi <sup>2</sup> . If selected, for LiDAR additional discussions with the vendor will be required. The Aerial Review Subcommittee had orthoimagery as the focus, but coincidentally the vendor who was selected offers the lowest price in the LiDAR category.	
Subsidence Mapping	The pricing for subsidence mapping was similar. Points from the prior TSARP (Tropical Storm Alice Recovery Project) are being taken to look at some changes in elevation that may occur as a result of subsidence. For comparing the LiDAR points from a new set to the old set from tropical storm Allison the prices ranged from \$7/mi <sup>2</sup> to several hundred dollars per mi <sup>2</sup> .	
Demand for Digital Imagery	Walker County is interested in LiDAR to generate 2 ft contours. Harris County Flood Control will not proceed with LiDAR for now. Internal discussions showed this may be to short a period of time between the old points and new points. Harris County Appraisal District and Harris County 9-1-1 expressed interest in LiDAR. Harris County ITC showed interest and would be willing to pay the 20% increase (\$50 to \$60). TxDOT indicated interest in digital imagery for every county depending on the amount of partnerships. Going from film to digital is not a huge jump for some of the smaller cities but can become sizeable if it is chosen for all of Harris County. It would be \$1,000 – 1,200 extra.	
	Harris County Engineer's Office are interested in the 2 ft	



# Adhoc Geographic Data Committee Meeting Minutes

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Agenda Item	Action/Discussion/Information	Responsibility
	contours that are being derived from LiDAR. They hope that they can use the information in this RFP to recommend LiDAR to their management and receive a budget in the near future.	
9 Proposals Received	Nine compliant proposals were received, more than expected, because of the LiDAR component and the late penalty clause. The vendors were: Kucera, VARGIS, Markhurd, M7, Sanborn, Pixxures, Pinnacle, P2, and MapCon.	
Kucera (ranked first)	The Aerial Review Subcommittee ranked Kucera number one. Kucera's quality of work has been excellent in the prior two contracts. Their pricing was extremely good and ranked fourth in this evaluation. Kucera is not using subcontractors. They work with their own highly skilled staff that stay with the company for 15 years on average. In their last contract, Kucera were delivering late. Instead at the end of August they provided the last delivery of images in November and that was unacceptable and they paid about \$10,000 penalty fee for late delivery. If they would deliver that late this time it would cost them about \$60,000. In their current proposal Kucera added they will double the late penalty if they deliver late. The reason for their late delivery last time was a plane crash and they lost a pilot. They did not manage the project well. John Antalovich handed the management to Dan Debiase.	
Pixxures (ranked second)	The Aerial Review Committee met with Pixxures. Pixxures left a positive impression with their proposal for the project using new technology. They did not submit a quote on digital imagery, only film. Upon Max's request they submitted an incomplete digital cost matrix but referred to their subcontractor. They were not willing to provide pricing on small areas, 0-50 / 50-200 / 200-500 mi <sup>2</sup> for digital imagery, claiming the subcontractor they would use for digital imagery would not commit to certain prices because it depended on certain conditions. As it is a huge contract GDC want to be number one on a vendor's list of priorities. Pricing should be known ahead of time. Max talked to the Denver Regional Council of Government who had contracted with Pixxures in 2002 and 2004. They were very happy with the work done in 2002, however, Pixxures defaulted the contract in 2004 and DRCG terminated it. Denver CoG spent about \$400,000 and had nothing they could use out of an \$800,000 contract. Much of the problem had to do with the use of a subcontractor whose quality of work was poor. They had to refly some of the areas. There were film problems with scratches and lint. Pixxures is subcontracting digital but does film in-house.	



# Adhoc Geographic Data Committee Meeting Minutes

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Agenda Item	Action/Discussion/Information	Responsibility
P2 (ranked third)	P2 (formerly Tobin International) were second place on price. P2 was about \$38/mi <sup>2</sup> . One of the reasons they were ruled out was that they were last with LiDAR by a huge margin. They were near \$800/mi <sup>2</sup> . They would not commit to a second year pricing and instead wanted to negotiate for the second year and talk about new pricing. This was not compliant with the RFP. They also offered a 90 day limited warranty. Typically warranty is one year.	
VARGIS	VARGIS offered good prices very close to Kucera both on the orthoimagery and the LiDAR. Their long delivery schedule, essentially one year from capture to delivery, was a huge drawback. It is an unacceptable delivery time. They were talking to their subcontractor who because of the penalty provision would not commit for anything shorter than a year. They were willing to cut four weeks off the one year delivery but it still is not in an acceptable delivery schedule. At North Central Texas council of governments they were not happy with VARGIS's performance three to four years ago. VARGIS delivered late.	
Markhurd	The quality of Markhurd's work is excellent. They had an acceptable delivery schedule but their pricing was too high. Markhurd ranked last on pricing. They were about 60% higher than Kucera and three to four times as high as the lowest price bidder.	
M7 (Visual Intelligence)	M7 (aka Visual Intelligence) is a local company that has been around for years. They could be considered a wildcard vendor. They have demonstrated their new technology in the past. Typically the sensors companies use for digital image capture is a 24 to 40 mega pixel sensor. They use a 400 mega pixel sensor which allows them to fly 6" imagery from twice the altitude customarily used and at three times the velocity. They were able to offer a short delivery time. They would be able to capture 6" at 180 mi/h at 2 mi up and deliver within 60 days. They did not have any projects they had done so far with this sensor. They showed imagery at 6" and it had an extremely high resolution. M7 have a spotty record on previous work. They piloted with the Census Bureau for Galveston County and the Census Bureau did not renew their contract because they were unhappy with the quality of the work that was done. They are a small company with only 13 employees and the ability of the company to meet needs for large volume of data on a short schedule is questionable.	
Sanborn	Sanborn is known for high quality work. They were very high in price, next to last. They are a solid company with a good track record. They were awarded the contract with Texas Capital Council of Governments (Cap Cog) who issued an RFP about	



# Adhoc Geographic Data Committee Meeting Minutes

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Agenda Item	Action/Discussion/Information	Responsibility
	the same time H-GAC did. CapCoG only received three responses to their RFP. They selected Sanborn. As Sanborn is doing their project, and they have already been awarded the contract, and picked up this project at the same timeframe they could run into issues with the delivery time. Additionally the pricing was not competitive enough.	
Pinnacle	Pinnacle proposed a better price for film than Kucera. Kucera's price for film was \$49.80 and Pinnacle's \$21.00/mi <sup>2</sup> . This sounded too good to be true. Their proposal was sometimes incoherent. For instance, Kucera will be flying 6" imagery at 4,800 ft altitude and proposed a horizontal accuracy around ± 8 feet. Pinnacle claimed they would fly at 6,000 ft but their horizontal accuracy would be twice as high as Kucera's. This does not sound realistic according to experience. There were items missing from the pricing contract. Their approach to business was sloppy. They have contracted with North Central Texas Council of Government once in the past. NCTCog said they did not renew the contract with them although they had no particular problems with the work they had done before.	
MapCon	MapCon is based in Salt Lake City, Utah. Specifications and prices were acceptable, but everything is being subcontracted. They had a long list of subcontractors, some in India, in New York, and some on the West Coast.	
Pricing and Specifications	More than 5,000 mi <sup>2</sup> will be flown this year, probably 6,000 – 7,000. Kucera's price for film would be \$49.80 for 1ft resolution. Alternatively, digital would be \$60 per mi <sup>2</sup> for more than 5,000 mi <sup>2</sup> . In the next GDC meeting, Kucera will be invited to talk to the committee about the differences between the digital and film based product. There are some significant differences. A digital product allows more control with 12 bits of information per pixel rather than a binary pixel value with the scanning from a hardcopy. You can reduce shadow and apply tone adjustments that you could not easily do from a scanned image. You can do a lot to reveal details that are in shadow which would not be possible with a film product. Digital capturing reduces the time for delivery because it does not require scanning. Each vendor confirms he/she can cut several weeks off delivery time with digital. When they fly digital, the red coloring is a byproduct. If you decide you needed CIR or near coloring for red at a later point it would be available at a low cost of approximately \$20/mi <sup>2</sup> . VARGIS proposed a lower price for digital capturing than Kucera: \$52.72. Pinnacle offered \$21 for scanning and \$44.85 for the digital. P2 also had very competitive pricing. Pixxures was pretty close. All were pretty close and offered good prices on 1 ft imagery. Markhurd ranked lowest for pricing with \$82. M7 was \$47.50.	



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Agenda Item	Action/Discussion/Information	Responsibility
Small Areas	Huge differences will show in areas smaller than 5,000 mi <sup>2</sup> . Adhoc flyovers will be necessary for smaller areas over the course of two years at 1 ft true color per mi <sup>2</sup> . For up to 5 mi <sup>2</sup> Kucera would charge \$115, for film, VARGIS want \$606 to fly small areas. There is an enormous penalty for some vendors particularly if they mobilize subcontractor to fly a small area. Pinnacle would charge \$481 for 6" and over \$1,000 per mi <sup>2</sup> for a digital product on a small flyover.	
Mosaicking	MrSID mosaicking was charged in pennies and resampling around \$0.25 or \$0.10. Some were \$0.14. Markhurd wanted \$11.50/mi <sup>2</sup> for the mosaicking, M7 \$18/mi <sup>2</sup> .	
Flight Altitude	The flight altitude typically is in the 9,500 – 12,000 range. Last time 10,800 was flown for 1 ft imagery. Kucera is proposing 10,800 again. Most vendors are close to this. Pinnacle proposed to fly 12,000 feet with very tight horizontal accuracy which seemed implausible.	
m and ½m	Vendors quoted resampling for both 1 m and ½ m. Kucera is charging \$0.10/mi <sup>2</sup> for ½ m and 1 m resampling. P2 wanted a \$2,000 flat fee, MapCon proposed a \$1,000 flat fee, M7 proposed \$2.25/mi <sup>2</sup> for ½ m and \$2.70 for 1 m. It is an inexpensive add-on to the Kucera product.	
Proposals reviewed by mi <sup>2</sup>	The Aerial Review Subcommittee was looking at the proposals by mi <sup>2</sup> because that is how it was requested from the vendors in the RFP.	
Pricing focus	The cost of each proposal was calculated and proposals were compared to each other. \$49.80 from Kucera for film is in the bottom quarter for cost. Some proposals were better. P2 was \$38.10. Vendors filled out the cost matrix in the RFP. The total cost for the contract is still evolving because additional partners may join and the extent of the area to be flown could increase.	
Cost Estimate	Grant will provide a rough cost estimate for film and digital in the next GDC meeting.	
Average Cost per County	<p>The average cost for orthoimagery per county is:</p> <ul style="list-style-type: none"> <li>– Montgomery County      \$21,500</li> <li>– Waller County              \$16,500</li> <li>– Harris County              \$12,000</li> <li>– Fort Bend County         \$11,500</li> <li>– Brazoria County            \$45,000</li> <li>– Galveston County         \$13,500</li> </ul> <p>Harris County has the highest number of participants. Liberty County and Chambers County are starting to have partners. Brazoria currently is the most costly area for the partners.</p>	



# Adhoc Geographic Data Committee Meeting Minutes

Wednesday, October 26, 2005, 2:00 pm

Agenda Item	Action/Discussion/Information	Responsibility
Partnership Commitments	<p>31 partners have committed:</p> <ul style="list-style-type: none"> <li>– Texas Department of Transportation</li> <li>– CenterPoint Energy</li> <li>– Harris County Flood Control District</li> <li>– Harris County 9-1-1</li> <li>– Harris County ITC</li> <li>– Harris County PID</li> <li>– Harris County Appraisal District</li> <li>– Metropolitan Transit Authority</li> <li>– City of Houston Planning and Development</li> <li>– City of Pasadena</li> <li>– City of La Porte</li> <li>– Port of Houston</li> <li>– City of West University Place</li> <li>– Rice University</li> <li>– City of Webster</li> <li>– City of Humble</li> <li>– City of Missouri City</li> <li>– City of Sugar Land</li> <li>– City of Stafford</li> <li>– City of Rosenberg</li> <li>– Fort Bend Engineer's Office</li> <li>– Greater Fort Bend EDC</li> <li>– Galveston County Appraisal District</li> <li>– City of Galveston</li> <li>– City of League City</li> <li>– City of Dickinson</li> <li>– City of Pearland</li> <li>– North Harris County Regional Water Authority</li> <li>– Montgomery County 9-1-1 District</li> <li>– Houston-Galveston Area Council</li> <li>– USGS</li> </ul> <p>USGS's contribution will be up to \$50,000 spread across the lamberts with all partners. They want as much of the Houston area covered as possible but make it dependent on their being partners. TxDOT is the largest partner overall.</p>	
Recommendation	The Aerial Review Subcommittee is recommending Kucera be the number one vendor.	
Voting Rules	Max reminded everybody to be observant of the rules and bylaws for voting. Private sector members are not eligible to vote because there might be conflicts of interest. Only public agency members are eligible to vote. You must be the designated voting representative for your agency in order to vote, either the official first line representative or designated alternate. The membership must be up to date.	



# Adhoc Geographic Data Committee Meeting Minutes

Wednesday, October 26, 2005, 2:00 pm

Agenda Item	Action/Discussion/Information	Responsibility
First Motion	The GDC Committee chair, Robert LaBarbera, made a motion to vote on the number one choice, Kucera, that was submitted by the Aerial Subcommittee. The motion was seconded by GDC secretary Thomas Misek. The motion was accepted and the members voted in favor of having Kucera as the number one to be recommended for approval in front of the H-GAC Board Meeting on November 15. All voters confirmed with yea. There were no nays for Kucera.	
Second Motion	The chair, Robert LaBarbera, made a second motion that if Kucera happens to be unable to do the first round of flights for this particular project, the number two vendor will be Pixxures and number three will P2. The motion was amended by Max Samfield. If a satisfactory agreement with Kucera cannot be negotiated then an agreement would be negotiated with Pixxures, the vendor ranked number two. If that would fail number three, P2 would be the vendor for a contract negotiation. All voters confirmed with a yea. No nays were cast.	
No Quorum E-Mail Votes	The committee did not reach a quorum because several members could not attend the meeting. Max will ask all voting members who were absent to cast their vote by e-mail.	
Adjourned	Meeting adjourned at 3:00 pm	