New Mexico State University *at* Grants

Information Technology Plan

For FY 2007-2008

Mark Eversole 7.27.06

Executive Summary

NMSU at Grants has met all of its Information Technology strategic goals for fiscal year 2003, due in a large part to the funds received via the Title V Grant. Therefore, in November of 2003, a Technology Strategic Planning Task Force was established to begin the process of developing a new Information Technology Strategic Plan for 2004-2005 and beyond. The Technology Strategic Planning Task Force is composed of four sub technology strategic planning task forces representing different aspects of the college (Instructional, Title V, Administrative, and Information Technology). Each sub task force was assigned the task of developing an Information Technology Strategic Plan to meet the needs of that division. This document represents the combined efforts of each task force incorporated into the NMSU at Grants Information Technology Strategic Plan. An IT Vision Statement and a series of Information Technology Goals have been identified for the NMSU at Grants campus. Information Technology Vision

NMSU at Grants is dedicated to the creative and responsible use of information technology to:

- provide flexible and responsive access to services
- develop and manage technology-enhanced operations to meet program objectives
- increase efficiency and effectiveness in the services provided, and
- meet the diverse needs of all faculty and staff.
- discover potential new ways of teaching and learning through new technologies.

Information Technology Goals

1. Use technology to enhance and expedite the services utilized by students, faculty, and staff.
2. Provide appropriate and adequate technology to all faculty and staff to support program objectives and services offered.
3. Use information technology to facilitate communication among NMSU at Grants personnel.
4. Identify and allocate fiscal resources for acquisition and support of information technology at NMSU at Grants.
5. Create and support ongoing opportunities for technology-related professional development and training.
6. Provide consistent high quality technology support across all programs at NMSU at Grants.
7. Establish a schedule for routine maintenance and updates of current information technology resources.
8. Provide computer access to students in outlying areas.

# I	Introduction

The Information Technology Focus Group was assigned the task of developing a strategic plan for Information Technology for 2006-2007 and beyond and defining the IT resources required by different sections at NMSU Grants. The NMSU at Grants IT Strategic plan is organized into three main areas:

I	Introduction
II	Current and Future IT Technology: Hardware, Software, Infrastructure
III	IT Needs for Individual Programs
IV	Technical Support for IT Resources\IT Training
V	Appendices: Appendix A – Status of Computer Lab Upgrades; Appendix B – Total IT Monies Requested.

The following programs/departments at NMSU at Grants are covered by this IT Strategic Plan:

1.	Instruction*
2.	NMSU Grants Administration**
3.	Information Technology
4.	Maintenance/Custodial

*Includes Adult Basic Ed., Library Services, Small Business, and Community Ed. It is important to note that the Educational Resource Center (ERC), the Open Computer lab, and the Center for Teaching and learning (CTL) have been combined into the Student Success Center (SSC). And although these three were combined they still provide basically the same services and goals as they did previously

**Includes our CEO, CAO, CFO, CSSO and all non-instructional positions reporting to one of these four positions.

II   Current and Future IT Technology: Hardware, Software, Infrastructure

NMSU at Grants campus operates one network which is capable of supporting over 500 networked devices. This single network serves students, instructors, full-time and some part-time workers. Within this network are wireless network segments; any student or employee with a computer that contains a wireless card can request access to the network and Internet.

All computers, Macs or PCs, access the local network with "wired" or wireless network cards. Wired network cards connect to twisted pair copper cable. Because of the network card and the switches they connect to data travels across the cable ideally at 100mb/s. Wireless cards, depending on the card and the wireless access point they are "talking to" will transmit data ideally at 11 or 54 mb/s. Internet requests that transmit beyond the local network are carried to Las Cruces over a fractional T3 broadband connection which ideally transmits data at 3kb/s. The recurring cost for our T3 line is over $2600.00 monthly.

To gain access to the Internet, a PC on our network must be registered in Las Cruces' Domain name Service data base. All of our dynamic network nodes (those that function regardless of their IP [network address]) are provided an IP address while starting up by making a Dynamic Host Configuration Protocol (DHCP) request to a DHCP server in Las Cruces. Student laptops must also be registered as dynamic nodes if they are going to access the Internet via the Grants-Wireless network and a wireless network card.

Standard software packages for all PCs include Windows XP SP2 (the operating system), McAfee Anti-Virus, browser plug-ins recommended and required by WebCT, and the Microsoft Office Suite of programs. (Excel, Word, PowerPoint, Access, Outlook, FrontPage and Publisher). Most PCs also can Spybot S&D anti-spyware which is still freeware and has improved the performance of many PCs that were having serious problems. We have a Microsoft Campus Office Agreement (MSCOA) established through main campus. Essentially, by remitting a recurring fee of $3,742.00 a month we are able to install Microsoft Office and MS operating systems to any number of PCs or servers while still being in compliance.

Software compliance has become a major issue in the 21st Century as as Big Brother gets even bigger and data bases hold more and more information. Several Colleges in California have already been indicted for running copies of unlicensed software. An ex-employee at NMSU Grants discovered a program called Ilient which contains a server and client component. To assist in achieving software compliance, the "package reports back what software is installed on any number of PCs. The program has many other nifty features, also. Coupled with an up-to-date data base of all 3rd party software present on campus, responsible and accurate counts of software can be made, which informs us whether or not we are in compliance with any number of software packages.

With an eye towards the future, we should also be proactively looking for procedures that make the accounting of software packages easier to manage. One very productive way to perform this and maintain real-time compliance is to run server based software. By doing this, not only are we making it easier to track licenses, but also to manage IT in a more automated, standardized fashion. First, the software needs installed only once (although with cloning in labs this is not a big issue) on a server. Secondly a "key" program reports back on how many licenses are in use and refuses to give out anymore once the threshold of valid licenses has been reached.

The vast majority of staff and students are using the e-mail interface at "my.nmsu.edu" which is provided and maintained by Las Cruces. The web-mail services are free and by using a single e-mail server, we have all of our mail in a central location. This makes troubleshooting so much easier since our mail is on a server that is maintained by several tech people in Las Cruces. Moreover, the diagnostics and back-ups of this server are performed daily in an orderly, standardized fashion.

The browser that comes by default with the Windows XP operating system is MS Internet Explorer. Most students and instructors will use this browser simply because it is the most accessible. However, Mozilla Firefox is a much better browser now as it offers the normal PC user an easier to use interface and many convenient, time-saving attributes.

PCs in the computer Labs also contain the standard software mentioned above. Most of our labs, if not all, have images of their hard drives stored on a central server. Since it is an advantage to the IT section and to students and instructors that the Lab PCs have a common interface, the clone of a newly built PC provides this when it is downloaded to all PCs - at the times their hard drives are rebuilt. Our lab security has also been beefed up dramatically by use of a program called Sysprep which insures that each lab PC cloned from the same image does not have the same security identifier.

All full-time staff members have their own dedicated PC and the vast majority have there own "local" printers which have a direct physical connection to the PC. They all have access to a network printer if the local printer is not working. All staff members have Uninterruptable Power Supply (UPS) battery back-ups for their computers in case of a power outage.

Non-standard software is usually software used within smaller programs. For example, the Math department will have its own software specific to math. Other software being used by the different faculty and staff depends a great deal on the duties and responsibilities of each individual.

With computer technology constantly changing and computers becoming obsolete within a few years, a schedule for updating staff, faculty and lab computers should be developed. Depending on available funding, all computers within designated programs could be replaced on a rotating yearly basis. Our goal is to upgrade computers every three years or as soon as funds become available (see Appendix A:). Upgrades can be defined as the purchasing of new PCs or Macs, or it can consist of moving newer, used computers out of labs or office areas to replace older computers. Typically when we purchase new computers for the Open lab or the Computer Science lab, the old computers are re-distributed to other areas based on priority and need.

By the middle of the fall semester, we will have a back-up system in place that backs up every full-time employees PC to a central server. Users, instead of storing files on their local hard drives will store them on a server. This will be a transparent process: it will seem as if the files are being saved locally while, in fact, they will be installed on user space on a server. This is accomplished be re-directing the My Documents link to a remote server instead of the default local directory named My Documents which, again, resides on the local computer's hard disk. From here the files will be backed up to another server via Directory Services Group Policies.

III   IT Needs for Individual Programs

In this section, we address the individual needs of each program at the college. First a brief overview of the program goals and responsibilities are listed and then the current IT resources used by the faculty and staff within that program are given. Finally the future IT resource needs for that particular program are discussed.

Instruction

Instructional Services is responsible for the delivery of instruction both on and off campus. Also included under Instructional Services are Library Services, Community Education, ITV Education, Adult Basic Education, and the Small Business Development Center (SBDC). Additionally, the Student Success Center (SSC) which comprises what we used to refer to as the Center for Teaching and Learning(CTL), the Educational Resource Center(ERC) and the Open Lab, has been set aside for tutoring, studying, test preparation and proctoring, and research opportunities for students.

The Center's one-on-one tutorial assistance allows students to address and meet specific learning goals. The SSC was established to improve pre-service teacher training and to provide resources to in-service teachers in Cibola County. The purpose of the ITV education Office is to provide students with the opportunity to complete Bachelor's and Master's Degrees at NMSU through the branch campus. The Open Computer Lab gives students access to computer workstations and various software programs.

In order to provide instruction, full-time faculty rely both on IT hardware that was purchased by the institution for institutional use and that which has been purchased by individuals for their personal and professional use.

WebCT web-based instructional software has made solid in-roads into our university. Currently, 20-25% of our courses taught here are taught using WebCT, one of the most popular asynchronous applications in the nation. Also, when one considers that many instructors are using WebCT to augment traditional classrooms the footprint this software has made, here and elsewhere, is hard to miss. Our recurring costs for WebCT, which we make to Las Cruces, are $1,000 monthly.

Full-time faculty need their individual personal computers upgraded, as several faculty are using 4 to 5 year-old machines, and part-time faculty should have more than one personal computer designated for their use. Ideally, there should be perhaps one computer for every 5 to 6 part-time faculty who need one. Associate (part-time) faculty have a room in the instructional area that has been set aside for use; it contains a desktop computer and access to a nearby printer. IT would like to provide two new desktop PCs in this room out of the recommended purchase of 18 new full-time faculty computers at $1,800.00 each (See Appendix B).

In addition, NMSU at Grants has established one multimedia classroom (the sound system for this room is faulty and needs repair) and intends to provide the funding to have a second built in the McLure Annex, possibly Room 310 which will necessitate the purchase of a document camera, a projector, a computer, surround sound, and a SWP unit that controls all the various technologies. This will enable faculty to integrate state of the art technology into their teaching. Plans are to establish an additional multimedia classroom during the 2006-2007 academic year.

Additional Instructional Needs

All of our computer labs should have color laser printers in addition to a black and white laser printer which will handle the bulk of the print-outs. Occasionally, instructors and students will be required to print out pamphlets, announcements, etc in color. The aesthetic value of high-resolution color images in pursuit of education can also be extremely valauable.

Computers on Wheels (COWs) have become very popular and provide a powerful, mobile instructional tool. Three more of these, which consist of a mobile cart, a desktop or laptop PC and a projector, are needed by instruction. We anticipate the cost to approach $600.00 for each COW.

We might consider looking into Centra as a powerful instructional tool. Centra is a synchronous, real time instructional network protocol that usually delivers streaming audio to a computer from a remote sight. Streaming video can also be captured by Centra but usually is not because it is so resource-intensive. As an example, students could attend a lecture that is being performed half way around the world. We have set up Centra on several previous occasions.

The cost is $2500.00/month, which provides us 25 "floating seats", or licenses. This tool can be used by instructors to complement WebCT. For example, if an instructor wants his students to attend a Centra event it could be announced in WebCT. The students install the Centra thin client software simply by indicating they are attending a Centra event, which is likely a live lecture which is archival. If the instructor believes the lecture is a good one and would like to use it again it can be stored on the Centra server for future reference. Finally, backups of Centra streaming audio/video can be stored on a CD and run from any popular software media player like Windows Media player or RealPlayer. We are recommending purchasing Centra for one year at a cost of 30,000.

Computer Labs that require upgrading in general order of priority include the Adult Basic Education Lab (ABE), the Business Office Technologies Lab (BOT), the Public Library Lab, the Electronics Lab and our computer lab at Acoma. General costs for these labs upgrades are as follows:

BOT Lab:	*20 New PCs at $ 1,800 ea*	*Total: $36,000.00*
Library:	*12 New PCs at $ 1,800 ea*	*Total $21,600.00*
ABE lab	*10 New PCs at $1,800 ea*	*Total $14,400.00*
Electronics	*12 New PCs at $ 1,800 ea*	*Total $21,600.00*
Acoma	*22 New PCs at $ 1,800 ea*	*Total $39,600.00*

Note: Appendix B: <u>Total IT Monies Requested</u> lists all recommended purchases campus-wide.

We may be able to recycle newer and more secure PCs from the Open Lab and the Computer Science lab and move them to labs needing upgrades, but they come with existing problems and their hard drives must be erased and then rebuilt. This necessitates a great deal of man hours for two technicians, not to mention the possible down-time at busy times of the year. A larger problem exists in that as soon as those machines become available the priority of how they are recycled is lowest for ABE and the Public Library lab, for example. And these are the labs that need upgraded machines first.

The ITV Education room requires upgrades to it's displays in light of the new baccalaureate programs which will be offered by NMSU at Grants through Distance Ed. The new displays should be viewable by all students and instructors in the room. Thus, I am requesting the monies to purchase two large high-definition flat panel displays.

Library Services

The library strives to provide print and non-print resources in support of the academic programs offered by NMSU at Grants. The library also provides public services, including reference assistance, circulation, interlibrary loan, course reserves, and assistance using the 13th Judicial Law Library. Information Technology plays an integral role in the provision of all library services and collections, especially on-line research databases.

The projected resources required by the Library include the purchase and setup of 10 new PCs for the Public Section of the Library. IT also requires a DVD to DVD Copier and three digital cameras for check-out.

Student Success Center (SSC)

The Student Success Center maintains a mobile lab of 16 Mac I-books. It would probably have been more advantageous for all involved if PC laptops had been ordered instead. These Macs server three primary purposes: Internet Access, E-mail., and access to the web-based Plato instructional software. These licenses for Plato, WITHOUT The additional purchases of the chemistry and biology modules were $3000.00 per (Single-User) SU license. IT has rebuilt six new computers for this lab and set up a new printer. These machines are used first by the SSC for College Placement Testing (Skills assessment). If other machines are available they can be used by ABE for GED Testing.

The Student Success Center also contains an open lab which is open for students all day during regular fall and spring instructional days. In this lab, students can do research, write papers, work on homework assignments, etc.

ITV Education

Our ITV Education setup includes two Televisions, a Polycom Unit, 2 Cameras, and the networking equipment necessary to bring compressed streaming audio and video to students taking Distance Ed programs. We have made sure that the Distance Ed network nodes are on a completely different network than our "all-in-one network" which services everyone else. In a nutshell, the Distance Ed infrastructure has its own dedicated network!

Our ITV Ed program will be a larger "player" as time goes by. It will be the medium used by the Nursing Program to bring 4 year (Baccalaureate) programs to NMSU at Grants. We have run preliminary diagnostics test on this capability with Miriam at NMSU - Las Cruces successfully verifying that our bandwidth and Quality of service would meet or exceed the BSN nursing program expectations.

The two primary nursing programs are set up slightly different. One is basically a Registered Nurse to BSN 4 year degree for those who are already RNs with an Associate Degree in Nursing. The other "program" is for people who are not yet nurses but have an Associate Degree. This is sometimes referred to as the BSN-RN path.

We may or may not need a laptop and a printer to produce computer screen captures of high enough resolution to be displayed on the television display units. We also fully intend to purchase flat-screen, High Definition televisions to greatly augment this program.

Currently instruction, more specifically the CAO, is pushing for Bachelor and Master's level courses in Criminal Justice which would be delivered by ITV Ed. Although still in the planning and refining stages, this is a task that ITV ED is likely to take on in the future.

The plan to have several employees from each branch of NMSU attend Banner Training in Las Cruces is perhaps not the best use of resources, and does not utilize the technology, more specifically the ITV Education tools we have at hand. It would have been more productive to propose this training via ITV Ed. The only difference would be that for remote trainhg, each individual would need their own computer (its rather simple to check out a laptop) while the training sessions are being aired.

Administrative Services

Business Services provides financial support, student services support, CEO and CAO, student enrollment and advising, marketing, providing books for students, an administrative assistant who provides personnel assistance, IT support, etc, for all operations at NMSU at Grants.   The IT hardware currently being used by staff members include computers, laser printer, microfiche reader, cell phone, fax and copy machines. Software programs used to include the following array of programs - MS Publisher, Adobe Acrobat, VISTAS (Student Info), FRS (Financial Records), FPX (Procurement), HRMS (Personnel), Cashnet (Accounting), BANNER, and Microbiz (Bookstore).

Needs

The Administrative section strongly needs two new heavy duty black and white laser printers. One will server as thje Vistas printer; the other will serve as the general network printer for all administrative users.

QTY 2 Heavy Duty Network HP Laserjet Printers $2,500ea   TOTAL: $5,000

BANNER, however has replaced many of these programs. Banner is a data base that contains student records, payroll records, e-mail, student grades, etc. It is used by all administrators, especially the Purchasing and Accounts people, Student Services, supervisors, etc.

Luminis is the program used to move data to the BANNER data base, and will continue to grow and hopefully evolve to be more user-friendly.

For example, the next major modification of Luminis/Banner will occur October 1, 2006. Students will be able to log into my.nmsu.edu (students will still have the option of registering at the college in a face to face manner) click on a modified "student" tab and register with NMSU on-line. This will immediately affect the registration of students, and student services who will be required to use new forms which will be available from erp.nmsu.edu. Also, entering grades for faculty students will be slightly different. The bulk of this new implementation will not take place until the spring semester, so it will provide more informal training time (also, more formal training is being offered by Las Cruces).

Student Services (SS) requires a digital ****** which will cost $45,000.00

Institutional Research requires an on-line survey software which will cost approximately $5,000.00

Community Education

The mission of the Community Education program is to meet the needs and interests of the general public through a variety of activities and classes. Community Education also provides specific training for various groups and businesses.

The IT resources used by the Community Education Coordinator include a computer workstation with Microsoft Windows, Microsoft Office, Adobe Photoshop and Microsoft Publisher. The Community Education office often uses the computer labs to provide training in specific software such as Excel or Adobe Photoshop. Computers and projectors are often needed for PowerPoint presentations as well.

Adult Basic Education

Adult Basic Education has it's own server and 8 PCs entirely dedicated to ABE needs. Additionally, it has 6 PCs set aside for College Placement Test and GED testing. The server makes available the GED testing software to these fourteen client PCs.

Adult Basic Education has two standard software packages for preparing and testing students for the GED test. If students wish to become a GED graduates, they must first take a Pre-GED test from Pre-GED software to see where they "stand" in all subject areas. If a students needs further training in specific subject areas, they must take a course that address these needs. If not, the student may take the GED test almost immediately. The GED packages are geared directly towards the GED test.

Conversely, PLATO web-based software, which was funded by a grant from the State of New Mexico, does not specifically instruct students towards the GED test but does sharpen their math, reading and writing skills. Eastern New Mexico University (ENMU) hosts the PLATO services and server and permits new Mexico post-secondary schools to tap into them. The state grant is scheduled to run out next year on June 30th with the hope that it will be renewed or a new grant started in place of.

The ABE Center has literally just started planning for English as a Secondary Language (ESL) instructional requirements. Initially, all this new program will require is a laptop with a software that runs from a CD and cannot be installed to a hard drive, but this is likely to change.

As with all standard testing, IT would desire, in the future, that these programs are available from the web. Two years ago we changed the methodology of interacting with the College Placement Test software by accessing it from the web. The limitation to this is that sometimes, as is the case with GED software, the presiding state agency has not seen to it that the program is web-based.

Information Technology

The IT section, comprised of a systems technologist III and a Tech Support Coordinator, requires a new software package, 2 new PCs, and a new set of tools and diagnostic Equipment.

Information Technologies (IT) requires Flowcharting Software produced by Patton and Patton. This is an excellent that enables us to compile logical decision trees, computer network schematics, mechanical setups, etc. It is excellent and highly intuitive software. We should order at least 2 copies of it. One for the IT Supervisor and one for his assistant.

IT also needs a heavy-duty IT toolkit which contains all the special mechanical and diagnostic tools that IT would ever require.

> *Flowcharting Software (Patton and Patton) $500.00ea*   *TOTAL: $1500.00*
> *Computer Tools and Diagnostics Equipment*   *TOTAL: $1000.00*
> *Computers-IT personnel   2 @ 2,000 ea*   *TOTAL $ 4,000.00*

Maintenance and Custodial Services

The maintenance and custodial staff take care of the NMSU at Grants campus (grounds and buildings). The current IT hardware used by Maintenance and Custodial Services includes a computer workstation, security cameras and monitor screen, and a portable radio communication system. Software programs include MS Windows operating system, Internet Explorer (internet access), Eudora (email), and INET 2000 (maintenance software used to regulate heating and cooling in campus buildings).

Energy Control of Albuquerque is the company that provides the PC, software, etc and the Tech support contract to keep the INET 2000 software up and running. Obviously, since the heating and cooling for the entire building depends on this single machine, we should be vigilant enough to make sure these support monies are paid to Energy Control; every year.

Currently the maintenance and custodial staff use a system of two-way radios as a means of communication amongst themselves and the front office staff. They need newer up-to-date radios with a longer range than their current system. Many times when off-campus they become unavailable and unreachable with the current communication system.

IV   Technical Support for IT Resources

All computers at the college need to be on a schedule of regular maintenance. The utility programs of Scandisk and Disk Defragmentation should be run on each computer at least twice a month. In addition, software updates should be downloaded and installed periodically.   MS Windows puts out a critical update for their software about once a month.   These are downloaded and installed as soon as they come out thanks to the automated Windows settings, unless the PCs are protected by soft locks from Centuriontech.com.

Routine maintenance tasks do not all require administrative (super-user) access anymore. For example, McAfee Anti-virus can be updated and then scanned without local administrative privileges. Anti-Spyware can also be updated and run without explicit administrative privileges. The current IT staff's time is mostly dedicated to installing new IT resources, upgrading systems and troubleshooting problems as they occur across all programs. A great deal of time is also spent in creating documentation and in implementing security. They do not have the time to perform routine maintenance as described above.

Currently we have two full-time employees dedicated to working on IT. These are the IT supervisor and the Tech Support Coordinator.

IT staff people, during the fall and spring semesters should have at least one or two work-studies assigned to them. These people would already be enrolled in the computer science field and working for an IT person would provide them a wonderful background for their chosen career path.

Work Orders should be turned into the IT supervisor every time a non emergency request is initiated. More succinctly, if the person has a working machine with access to their programs, the Internet and a printer, most all requests should be documented on an IT work order.

IT Training

The NMSU at Grants administration should support IT training for IT people, and they have… readily. We have a need for training in Supervision and other non-IT related fields and of course in IT related fields. That which readily comes to mind is in relational data base design and programming. Others in IT have their own needs and should clearly let these needs be known. We should also look to be creative in pursuing training. Attending seminars is not the only way to acquire knowledge. Trips to Las Cruces might be just as valuable and they cost us nothing but time. There are also courses and forms of training that are entirely web-based and well WRITTEN BOOKS are another source od knowledge. The WEB has a plethora of information on every kind of IT Topic.

APPENDIX B

TOTAL NMSU-GRANTS IT FUNDING REQUEST

REQUEST	QUANITY/UNIT	PRICE ESTIMATE	TOTAL	COMMENTS
BOT Lab	20 EA	$ 1,800	$ 36,000	
ABE Lab	10 EA	$ 1,800	$ 18,000	
Library	12 EA	$ 1,800	$ 18,000	
Electronics Lab	12 EA	$ 1,800	$ 36,000	
Acoma Lab	22 EA	$ 1,800	$ 27,000	
Instructor PCs	18 EA	$ 1,800	$ 32,400	
Color Laser printers	8 EA	$ 3,000	$ 24,000	
Flat Panel HDTV Displays	2 EA	$ 7,000	$ 14,000	*ITV ED*
Desktop Computer – Distance Education	1 EA	$ 1,800	$ 1,800	*S-Video Out*
B/W Laser Printers	2 EA	$ 700	$ 1,400	*Admin Area*
Flowchart Software	3 EA	$ 500	$ 1,500	*For IT*
IT Tools – Diagnostic Equipment			$ 1,000	*For IT*
Computer on Wheels	3 EA	$ 6,000	$ 1,800	*Ram Tester*
PCs	2 EA	$ 2,000	$ 4,000	*For IT*
Centra Subscription – 1st year	12 MO	$ 2,500	$ 30,000	
DVD to DVD Copier	1 EA	$ 500	$ 500	*Library*
Audio Repair – MM Lab		$ 200	$ 200	*Rm 123*
Digital SLR Cameras – 12x	3 EA	$ 1,000	$ 3,000	*Library*
On-Line Survey Software	1 EA	$ 5,000	$ 5,000	*IR*
Digital Sign System	1 EA	$ 45,000	$ 45,0000	*IR*
		TOTAL:	$300,600	