INFORMATION TECHNOLOGY

Department Goal

The goal of the 2003-2008 Capital Improvement Budget/Program is to continue to provide cost effective, quality computer processing and telecommunications services to the Municipality while at the same time reducing costs by:

- consolidation of application systems where appropriate,
- integration of existing and new application systems to reduce redundant data entry, storage and management,
- automation of after-hours computer operations where possible, and
- ensuring the appropriate use of technology.

Program Statement

The department goal can be accomplished through continued application system development and enhancement and implementation of various new software packages. All project costs will be funded via a commercial loan to Management Information Systems that will be repaid through realized savings and allocations to other departments.

2003-2008 CIB/CIP PAGE 10-1

MUNICIPALITY OF ANCHORAGE Capital Improvement Program PRIORITY LIST BY DEPARTMENT (000's)

	—— INFORMATIC	N TE	CHNO	LOGY			
YEAR	PROJECT TITLE	DEPT PRIORITY	GO BONDS	MATCHING GRANTS		OTHER SOURCES	TOTAL REQUEST
CATEGORY:	Network & Infrastructure						
2003 TELEPHO	ONY SYSTEM UPGRADE	1	0	0	C	103	103
2003 NETWOR	RK STORAGE, REDESIGN, CORE UPGRADE & MISC. HARI)W 2	0	0	C	328	328
2003 MALICIO	US CODE PROTECTION	3	0	0	<u> </u>	10	1(
2003 WEB CO	NTENT MANAGEMENT & PUBLISHING	4	0	0	0	100	100
2003 EXTRAN		5	0	0	0	100	100
	DIRECTORY CONVERSION	6	0	0	0	50	50
	SOFTWARE UPGRADES-ACTIVE DIRECTORY	7	0	0	0		130
2003 DESKTO	P COMPUTERS-IT	8	0	0	0		200
TOTAL: I	Network & Infrastructure		0	0	0	1,021	1,02
CATEGORY: F	Program & Software Replacement						
2003 MICROS	OFT ENTERPRISE AGREEMENT	1	0	0	0	750	750
2003 MICROS	OFT SOFTWARE ASSURANCE	2	0	0	0	60	60
2003 SOURCE	CODE MANAGEMENT	3	0	0	0	75	75
TOTAL: F	Program & Software Replacement		0	0	0	885	888
CATEGORY:	GIS/Data Resources						
2003 DATABAS	SE & APPLICATION (MUNI-WIDE)	1	0	0	0	20	20
	FORMATION SYSTEM	2	0	0	0		50
TOTAL: (GIS/Data Resources	na ere marin ann an ann ann an an an an an an an an	0	0	0	70	70
FOTU FOR			0	0		4 070	4.076
TOTAL FOR 2			U	,	0	1,976	1,976
	Network & Infrastructure				,	7-0	
	ONY SYSTEM UPGRADE	1	0	0	0		150
	RK STORAGE, REDESIGN, CORE UPGRADE & MISC. HARD	er proceedings were contract the contract of the	. 0	0			350
to the territory of the second second second	SS NETWORK ACCESS	3	0	0	0	of many a second entire of	25
property and the second of the	US CODE PROTECTION CONSOLIDATION	4 5	0	0	0	angest of the constant of the second of the constant of the co	10 150
for reference comments. Encourage and extensive tests of	P COMPUTERS-IT	6	0	0	0		150
Committee and the committee of the commi	Network & Infrastructure		0	0	0	·	835
		L	U	0	<u> </u>	033	030
providence and a confidence constraint and an experience of a	Program & Software Replacement		The second contract of the second				
	OW MANAGEMENT	1	0	0	0		96
\$ n = 1 - n n n n n = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	S CONTINUITY PLAN	2	0	0	0	÷	50
	RISE SERVER PROCESSOR	3	0	0	0		275
2004 DISTRIBU		4	0	0	0		169
	OFT ENTERPRISE AGREEMENT	5	0	0	0		750
a anno en escara parte en en en en en en	OFT SOFTWARE ASSURANCE	6	0	0	0	And the state of t	80
in a contraga paragraphy of propagation and propagation of the propaga	CODE MANAGEMENT	7	0	0	0	25	25
	Program & Software Replacement	L	0	0	0	1,445	1,445
Commence of the commence of th	GIS/Data Resources					gaze en el el en	
	SE & APPLICATION (MUNI-WIDE)	1	0	0	0		20
	ORMATION SYSTEM	2	0	0	0	100	100
2004 ENTERPR		3	0	0	0		100
Contraction of the Contraction o	RISE DATA SERVER SOFTWARE UPGRADE	4	0	0	0	80	80
TOTAL: G	SIS/Data Resources		0	0	. 0	300	300

0

2,580

TOTAL FOR 2004

2,580

MUNICIPALITY OF ANCHORAGE Capital Improvement Program PRIORITY LIST BY DEPARTMENT (000's)

	INFORMATIO	 					
YEAR	PROJECT TITLE	DEPT PRIORITY	GO BONDS	MATCHING GRANTS		OTHER SOURCES	TOTAL REQUEST
CATEGORY: Network & Inf	rastructure						
2005 TELEPHONY SYSTEM L	JPGRADE	1	0	0		207	207
2005 NETWORK STORAGE.	REDESIGN, CORE UPGRADE & MISC. HARD)W 2	0	0		319	319
2005 WIRELESS NETWORK	pri state de la companya del companya de la companya del companya de la companya del la companya de la companya	3	0	0		ara para ara ara ara ara ara ara ara ara	25
2005 MALICIOUS CODE PRO	management of an arrangement of the second o	4	0	0		Commence of the contract of the contract of	10
2005 SERVER CONSOLIDAT	problem with a reserve to the contract of the	5	0	0			240
	PGRADES-ACTIVE DIRECTORY	6	0	0			375
2005 DESKTOP COMPUTERS		7	0	0			200
TOTAL: Network & In			0	0			1,370
CATEGORY: Program & So	oftware Replacement						
2005 WORK FLOW MANAGE	NAME OF THE COLUMN TO A DESCRIPTION OF THE PROPERTY OF THE PARTY OF TH	1	0	0		96	96
2005 BUSINESS CONTINUITY	and distributions to a section to the section of th	2	0	0	(100
2005 DISTRIBUTED SYSTEM		3	0	0	(169
2005 MICROSOFT SOFTWAR	married Marrie Charles Control Carles Control Carle	4	0	0			80
2005 SOURCE CODE MANAG	(L. 1811 - 1818	5	0	0			2:
	oftware Replacement		0	0		1	47
CATEGORY: GIS/Data Res	ources	_					
2005 DATABASE & APPLICAT	TION (MUNI-WIDE)	1 1	0	0		20	2
2005 LAND INFORMATION S'		2	0		(12
2005 ENTERPRISE DATA	The second secon	3	0	0			20
2005 ENTERPRISE DATA SE	RVER SOFTWARE LIPGRADE	4	0	0		e reconstruction of the comment	3(
TOTAL: GIS/Data Res	The second section of the second		0	0			370
TOTAL FOR 2005			0	0	C	2,216	2,216
CATEGORY: Network & Inf	rastructure	······································					
2006 TELEPHONY SYSTEM L	RECEIVED A MERCHANISM CONTROL OF THE	1	0	0		390	390
Carbon Part of the Control of the Co	REDESIGN, CORE UPGRADE & MISC. HARD		0	0			g
2006 WIRELESS NETWORK	Control of the contro	3	0	0			2
2006 MALICIOUS CODE PRO		4	0	0			11
Comprehensive and the second control of the	**************************************			0	**********	***************************************	
2006 SERVER CONSOLIDATI	CONTRACTOR	5	0	I			280
	PGRADES-ACTIVE DIRECTORY	6	0	0			130
2006 DESKTOP COMPUTERS	Constituted Control of Control of Constitution Control of Control	7	0	0			20
TOTAL: Network & In			0	0	0	1,462	1,46
CATEGORY: Program & So	PROPERTY OF THE PROPERTY OF TH			Ţ 			
2006 WORK FLOW MANAGE	MENT	1 1	0	0		36	3
2006 MICROSOFT SOFTWAR	E ASSURANCE	2	0	0	C	80	81
2006 SOURCE CODE MANAG	SEMENT	3	0	0		25	2
TOTAL: Program & S	oftware Replacement		0	0	0	141	14
CATEGORY: GIS/Data Res	a anticologica de la companiera de la comp	e er ng were er ere e televisionger		y		en processor and the contract of the contract	
2006 DATABASE & APPLICAT		1	0	0	C		20
2006 LAND INFORMATION S	/STEM	2	0	0	C		120
2006 ENTERPRISE DATA	and any transfer and the contract of the contr	3	0	0		200	200
AAAA ENTEDDDICE DATA OF	RVER SOFTWARE UPGRADE	4	0	0	0	30	30
2006 ENTERPRISE DATA SEI	AND THE RESIDENCE OF THE PARTY						
TOTAL: GIS/Data Res	AND THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PE		0	0	C	370	370

MUNICIPALITY OF ANCHORAGE Capital Improvement Program PRIORITY LIST BY DEPARTMENT (000's)

		INFORMATIO	NTE	CHNO	LOGY	l		
YEA	₹	PROJECT TITLE	DEPT PRIORITY	GO BONDS	MATCHING GRANTS		OTHER SOURCES	TOTAL REQUEST
CATE	GORY: Network & Info	rastructure		garage and a second party of the second party	The Transfer White to the Walletter.		2.0% (1.11 - 1.11 1.11 1.11 1.11 1.11 1.11 1	gravitation in the control of the co
2007	TELEPHONY SYSTEM L	JPGRADE	1	0	0	O	193	193
2007	NETWORK STORAGE, F	REDESIGN, CORE UPGRADE & MISC. HARD	W 2	0	0	0	427	427
2007	WIRELESS NETWORK A	CCESS	3	0	0	<u>C</u>	25	2:
2007	MALICIOUS CODE PRO	TECTION	4	0	0	0	10	10
	SERVER CONSOLIDATION		5	0	0	0	320	320
2007	SERVER SOFTWARE UP	PGRADES-ACTIVE DIRECTORY	6	0	0	0	375	37
2007	DESKTOP COMPUTERS	HT	7	0	0	0	200	200
7	OTAL: Network & In	frastructure		0	0	0	1,550	1,550
CATE	GORY: Program & So	ftware Replacement						
2007	MICROSOFT SOFTWAR	E ASSURANCE	1	0	0	0	80	80
2007	SOURCE CODE MANAG	EMENT	2	0	0	0	25	25
7	OTAL: Program & So	oftware Replacement		0	0	0	105	10
CATE	GORY: GIS/Data Res	ources						
2007	DATABASE & APPLICAT	ION (MUNI-WIDE)	1	0	0	0	20	20
	LAND INFORMATION SY		2	0	0	0	120	120
2007	ENTERPRISE DATA	ga ayaya bir ay dagan gara an shiri dagan ga ay	3	0	0	0	200	200
2007	ENTERPRISE DATA SER	RVER SOFTWARE UPGRADE	4	0	0	0	30	3(
T	OTAL: GIS/Data Res	ources		0	0	0	370	370
TOTA	L FOR 2007			0	0	0	2,025	2,02
CATE	GORY: Network & Infr	astructure						
2008	TELEPHONY SYSTEM U	PGRADE	1	0	0	0	103	103
CARROLAN STATES	. In the second second contract of the second secon	EDESIGN, CORE UPGRADE & MISC. HARD	W 2	0	0	0	427	427
2008	WIRELESS NETWORK A	CCESS	3	0	0	0	25	2
	MALICIOUS CODE PROT		4	0	0	0	25	25
	SERVER CONSOLIDATION		5	0	0	0	280	280
2008	SERVER SOFTWARE UP	PGRADES-ACTIVE DIRECTORY	6	0	0	0	130	130
	DESKTOP COMPUTERS		7	0	0	0	200	200
	OTAL: Network & Inf			0	0	0	1,190	1,190
CATE	GORY: Program & Sol	ftware Replacement						
or the commencement of the commencer of	WORK FLOW MANAGEM	Appendix of the second	1	0	0	0	96	96
2008	ENTERPRISE SERVER P	ROCESSOR	2	0	0	0	305	305
and the second second second second	MICROSOFT SOFTWARE	200 10 10 10 10 10 10 10 10 10 10 10 10 1	3	0	0	0	80	80
2008	SOURCE CODE MANAGE	EMENT	4	0	0	0	25	25
T	OTAL: Program & So	oftware Replacement		0	0	0	506	506
CATE	GORY: GIS/Data Reso	ources						
2008	DATABASE & APPLICATI	ON (MUNI-WIDE)	1	0	0	0	20	20
2008	LAND INFORMATION SY	STEM	2	0	0	0	120	120
	ENTERPRISE DATA		3	0	0	0	200	200
2008	ENTERPRISE DATA SER	VER SOFTWARE UPGRADE	4	0	0	0	210	210
T	OTAL: GIS/Data Reso	ources		0	0	0	550	550
•								
	L FOR 2008			0	0	0	2,246	2,246

partment			Category	
Information Technology		OJECT COST	Network & I	nfrastructure
PROJECT TITLE AND DESCRIPTION	A-Assı F-Fede H-Herit	e B-Bond t D-D.O.T. ral O-Other age Land Bank	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY
	n-match:	ng State Grant	DEBT SERVICE	l-Essential 2-Necessary 3-Desireable
TELEPHONY SYSTEM UPGRADE	0=	103		
Upgrade to the system to provide caller I.D. information capacity for future growth.				
NETWORK STORAGE, REDESIGN, CORE UPGRADE & MISC. HARDWARE	0=	328		
This would give better accessibility to user data and provide a foundation for network				
wide disaster recovery. Less downtime,				
faster access to data/information/				
applications. Allows different types of data to flow through the network based on urgency.				
Allows the ability to dedicate bandwidth to specific applications.				
MALICIOUS CODE PROTECTION	0=	10		
Improved anti-virus protection for all customers				
WEB CONTENT MANAGEMENT & PUBLISHING	0=	100		
Customer posting of web data, citizen				
involvement over the web and expiration of stale web content, automated approval process				
for posting web content and search capability (Continued on Next Page)				
For specific funding needed in later years, plo name/description included in the Capital Imp	ease re	view the sant Program	ame project section.	2003

Department Information Technology	2003 PROJE		Category Network & Infrastructure							
PROJECT TITLE AND DESCRIPTION	S-State A-Assmt F-Federal H-Heritage	D-D.O.T. O-Other Land Bank	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY						
TROSECT TITLE AND DESCRIPTION	H-Matching S	tate Grant	DEBT SERVICE	1-Essential 2-Necessary 3-Desireable						
WEB CONTENT MANAGEMENT & PUBLISHING (Continued) of all content.			:							
EXTRANET ACCESS	0= 1	00								
Allow secure access to the Municipality Network from any internet access point.										
ACTIVE DIRECTORY CONVERSION Addition of servers and controllers to provide enterprise-wide directory services.	0=	50	: :	Areawide						
SERVER SOFTWARE UPGRADES-ACTIVE DIRECTORY Improved computing services; such as, faster printing, faster access to e-mail and faster access to data/information.		.30								
DESKTOP COMPUTERS-IT Replace and upgrade computers in IT	0= 2	200								
For specific funding needed in later years, name/description included in the Capital	please revie Improvement	w the sa Program	nme project section.	2003						

epartment Information Technology	2003 PROJECT COST	Category Network & Infrastructure							
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY						
THOUSE TITLE AND DESCRIPTION	M-Matching State Grant	DEBT SERVICE	l-Essential 2-Necessary 3-Desireable						
Sub-Total(s)	0= 1,021								
Category Total	1,021	0.0							
For specific funding needed in later years, name/description included in the Capital	please review the sa Improvement Program	me project section.	2003						

epartment		Category	
Information Technology	2003 PROJECT COST	Program &	Software Replacement
PROJECT TITLE AND DESCRIPTION	S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank	0&M COST	COMMUNITY COUNCIL - PRIORITY
THE PART BEOOKIT FIOR	H-Matching State Grant	DEBT SERVICE	l-Essential 2-Necessary 3-Desireable
MICROSOFT ENTERPRISE AGREEMENT This will facilitate standardization of desktop operating and office software and provide a substantial discount on all Microsoft products.	0= 750		
MICROSOFT SOFTWARE ASSURANCE Server licenses and upgrades	O= 60		
SOURCE CODE MANAGEMENT Improved disaster recovery capability. Protection from malicious code changes. Improved quality assurance and improved system documentation.	0= 75		
Sub-Total(s)	0= 885		
Category Total	885	0.0	
For specific funding needed in later years, pl name/description included in the Capital Im	ease review the sa provement Program	ame project section.	2003

Department Information Technology	2003 PROJECT COST	Category GIS/Data Resources							
PROJECT TITLE AND DESCRIPTION	S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank H-Matching State Grant	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY						
TROCEST TITLE THE BEGONITY TON	n-natching State Grant	DEBT SERVICE	l-Essential 2-Necessary 3-Desireable						
DATABASE & APPLICATION (MUNI-WIDE) Deployment of key applications in GIS and database Muniwide. Includes, emergency shelter database and mapping; wildfire exercise support; and CATS support.	0= 20								
LAND INFORMATION SYSTEM Designed to provide IT/GIS staff with a development server which has Oracle and SDE installed for testing. This will allow DBA and GIS staff to assess the suitablity of Oracle and SDE as a technology track direction.	0= 50								
For specific funding needed in later years, p name/description included in the Capital I	lease review the sa mprovement Program	me project section.	2003						

Department Information Technology	2003 PROJECT COST	Category GIS/Data Re	esources
	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other	0&M COST	COMMUNITY COUNCIL - PRIORITY
PROJECT TITLE AND DESCRIPTION	H-Heritage Land Bank H-Hatching State Grant	DEBT SERVICE	1-Essential 2-Necessary 3-Desireable
Sub-Total(s)	0= 70		
Category Total	70	0.0	
***************	******	******	***********
Department Total(s)	0= 1,976		
Grand Total of Information Technology	1,976	0.0	
			:
For specific funding needed in later years, pl name/description included in the Capital Im	ease review the sa provement Program	me project section.	2003

Department Information Technology	Category Ne t		& Inf	rastru	cture		***************************************		***************************************			
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank H-Hatching State											
TROUGHT TITLE AND DESCRIPTION	20	03	20	004	2	005	2006		2007		2	008
TELEPHONY SYSTEM UPGRADE Upgrade to the system to provide caller I.D. information capacity for future growth.	0=	103	0=	150	0=	207	0=	390	0=	193	0=	103
NETWORK STORAGE, REDESIGN, CORE UPGRADE & MISC. HARDWARE This would give better accessibility to user data and provide a foundation for network wide disaster recovery. Less downtime, faster access to data/information/applications. Allows different types of data to flow through the network based on urgency. Allows the ability to dedicate bandwidth to specific applications.	0=	328	0=	350	0=	319	0=	427	0=	427	0=	427
MALICIOUS CODE PROTECTION Improved anti-virus protection for all customers	0=	10	0=	10	0=	10	0=	10	0=	10	0=	25
WEB CONTENT MANAGEMENT & PUBLISHING Customer posting of web data, citizen involvement over the web and expiration of stale web content, automated approval process for posting web content and search capability (Continued on Next Page)		100										
								2	2003	- 200	8	

Department Information Technology	Category Ne t		k Inf	rastru	cture	:							
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank M-Matching State												
TROSECT TITLE AND DESCRIPTION	20	03	20	004	21	005	2	006	2007		2008		
WEB CONTENT MANAGEMENT & PUBLISHING (Continued) of all content.													
EXTRANET ACCESS Allow secure access to the Municipality Network from any internet access point.	0=	100											
ACTIVE DIRECTORY CONVERSION Addition of servers and controllers to provide enterprise-wide directory services.	0=	50											
SERVER SOFTWARE UPGRADES-ACTIVE DIRECTORY Improved computing services; such as, faster printing, faster access to e-mail and faster access to data/information.	0=	130			0=	375	0=	130	0=	375	0=	130	
DESKTOP COMPUTERS-IT Replace and upgrade computers in IT	0=	200	0=	150	0=	200	0=	200	0=	200	0=	200	
WIRELESS NETWORK ACCESS Wireless computing capability for customers in City Hall, Transit, Public Works and Library. Secure wireless access for APD (Continued on Next Page)			0=	25	0=	25	0=	25	0=	25	0=	25	
			3			:		2	003	- 200	8		

Department	Category											
Information Technology	Net	work 8	k Inf	rastru	sture	•						
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank H-Hatching State											
	20	03	2004		2005		2006		2007		- 7	2008
WIRELESS NETWORK ACCESS (Continued) customers, currently not secure. SERVER CONSOLIDATION Reduced annual operating costs for customers and application data/information storage and delivery.			0=	150	0=	240	0=	280	0=	320	0=	280
							0 0 40 40		** **			
Sub-Total(s) Category Total		1,021 1,021	0=	835 835	0=	1,376	0=	1,462		1,550 1,550	0=	1,190 1,190
								2	003	- 200	8	

Department Information Technology	Category Program & Software Replacement											**************************************	
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank M-Hatching State												
THE PROPERTY OF THE PROPERTY O	20	2003 2004		2005		2006		2007		20	800		
MICROSOFT ENTERPRISE AGREEMENT This will facilitate standardization of desktop operating and office software and provide a substantial discount on all Microsoft products.	0=	750	0=	750									
MICROSOFT SOFTWARE ASSURANCE Server licenses and upgrades	0=	60	0=	80	0=	80	0=	80	0=	80	0=	80	
SOURCE CODE MANAGEMENT Improved disaster recovery capability. Protection from malicious code changes. Improved quality assurance and improved system documentation.	0=	75	0=	25	0=	25	0=	25	0=	25	0=	25	
WORK FLOW MANAGEMENT Fast access to Assembly Document Control submission processes. Faster processing of items submitted to the Assembly.			0=	96	0=	96	0=	36			0=	96	
BUSINESS CONTINUITY PLAN. Pre-planned disaster recovery procedures enable return of services to customers faster in the event of a disaster or emergency.			0=	50	0=	100							
								2	003 -	- 200	8		

Department Information Technology	Category Program & Software Replacement												
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank H-Matching State												
PROJECT TITLE AND DESCRIPTION	2003	2004		2005		2006		2007		2008			
ENTERPRISE SERVER PROCESSOR Upgrade or replace the Enterprise Server Processor with more cost efficient architecture.		0=	275						0=	305			
DISTRIBUTED SYSTEMS Establish Application Development for new technology.		0=	169	0=	169								
Sub-Total(s) Category Total	0= 885 885	0=	1,445	0=	470 470	0=	141 141	O= 10		506 506			
							2	003 - 20) 108				

Department	Category	***************************************							···				
Information Technology	Information Technology GIS/Data Resources												
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank H-Hatching State												
	2003		2004		2005		2006		2007		008		
DATABASE & APPLICATION (MUNI-WIDE) Deployment of key applications in GIS and database Muniwide. Includes, emergency shelter database and mapping; wildfire exercise support; and CATS support.	0= 20	0 0=	20	0=	20	0=	20	0=	20	0=	20		
LAND INFORMATION SYSTEM Designed to provide IT/GIS staff with a development server which has Oracle and SDE installed for testing. This will allow DBA and GIS staff to assess the suitablity of Oracle and SDE as a technology track direction.	0= 50	0 0=	100	0=	120	0=	120	0=	120	0=	120		
ENTERPRISE DATA To provide a comprehensive study of data resources present at MOA and the needs of key customers of that data. The final result is a report which identifies the cost and benefits of a data warehouse for MOA and recommends a data warehouse strategy.		0=	100	0=	200	0=	200	0=	200	0=	200		
ENTERPRISE DATA SERVER SOFTWARE UPGRADE Upgrade data server system software to (Continued on Next Page)		0=	80	0=	30	0=	30	0=	30	0=	210		
							2	003 -	- 200	8			

Department	Category	,				:		:						
Information Technology	GIS	/Data	Reso	urces										
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal O-Other H-Heritage Land Bank M-Hatching State													
PROJECT TITLE AND DESCRIPTION	2003		2	004	2005		2006		2007		2	800		
ENTERPRISE DATA SERVER SOFTWARE UPGRADE (Continued) provide mainframe server information via the web and better connectivity with PC systems.														
					~	· · · · · · · · · · · · · · · · · · ·					* * *			
Sub-Total(s)	0=	70	0=	300	0=	370	0=	370	0=	370	0=	550		
Category Total		70		300		370		370		370		550		
*************	****	****	***	*****	***	*****	***	*****	***	*****	***	*****		
Department Total(s)	0=	1,976	0=	2,580	0=	2,216	0=	1,973	0=	2,025	0=	2,246		
Grand Total of Information Technology		1,976		2,580		2,216		1,973		2,025		2,246		
								:						
			<u> </u>		<u> </u>			2	003	- 200	8			