INFORMATION TECHNOLOGY

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.

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MUNICIPALITY OF ANCHORAGE Capital Improvement Program PRIORITY LIST BY DEPARTMENT

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	INFORMATIC	ON T	EC	CHNO	LOGY			
YEAR	PROJECT TITLE	DEP PRIOR		GO BONDS	MATCHING GRANTS	STATE GRANTS	OTHER SOURCES	TOTAL REQUEST
CATEGORY: Network & In	frastructure							
2003 TELEPHONY SYSTEM	UPGRADE	1		0	0	0	103	10:
2003 NETWORK STORAGE,	REDESIGN, CORE UPGRADE & MISC. HARD	DW 2		0	0	0	328	320
2003 MALICIOUS CODE PRO	DTECTION	3		0	0	0	10	1(
2003 WEB CONTENT MANA	GEMENT & PUBLISHING	4		0	0	0	TANK BOOK TOO BUILDING	100
2003 EXTRANET ACCESS	, , , , , , , , , , , , , , , , , , ,	5		0	0	0		100
2003 ACTIVE DIRECTORY C		6		0	***************************************	0		5(
The control of the Co	JPGRADES-ACTIVE DIRECTORY		; .	0	0	0		130
2003 DESKTOP COMPUTER		8		0	0	0	· · · · · · · · · · · · · · · · · · ·	200
TOTAL: Network & II	nfrastructure		L	0	0	0	1,021	1,021
CATEGORY: Program & S								
2003 MICROSOFT ENTERPR		1		0	0	0	- Learn conservation continuing advantage	750
2003 MICROSOFT SOFTWAR		2		0	<u> </u>	0		60
2003 SOURCE CODE MANA		, 3		0	0	0		75
TOTAL: Program & S	Software Replacement		Ļ	0	0	0	885	88
CATEGORY: GIS/Data Re							.,	
2003 DATABASE & APPLICA				0	0	0		20
2003 LAND INFORMATION S	A CONTROL OF THE CONT	2	:	0	0	0	7	5(
TOTAL: GIS/Data Re	sources		L	0	0	0	70	7(
TOTAL FOR 2003				0	3	0	1,976	1,976
CATEGORY: Network & In	frastructure							
2004 TELEPHONY SYSTEM	UPGRADE	1		0	0	0	150	150
2004 NETWORK STORAGE,	REDESIGN, CORE UPGRADE & MISC. HARD)W 2	1	0	0	0	350	350
2004 WIRELESS NETWORK	ACCESS	3	2	0	0	0	25	25
2004 MALICIOUS CODE PRO	the second section of the second section is the second second section of the second section se	4		0	0	0	10	
2004 SERVER CONSOLIDAT	and the second of the second o	5		0	00	0		150
2004 DESKTOP COMPUTER		6		0	0	0	1	150
TOTAL: Network & Ir	frastructure		L	0	0	0	835	835
CATEGORY: Program & So	oftware Replacement							
2004 WORK FLOW MANAGE	MENT	. 1		0	0	0	. 96	96
2004 BUSINESS CONTINUIT	YPLAN	2	. :	0	0	. 0	50	50
2004 ENTERPRISE SERVER		3		0	0	0	275	275
2004 DISTRIBUTED SYSTEM		4		0	0	0	169	169
2004 MICROSOFT ENTERPR		5		0	0	. 0		750
2004 MICROSOFT SOFTWAR		6		0	0	0		80
2004 SOURCE CODE MANAG		. 7	-	0	O	0	25	25
_	oftware Replacement		L.	0	U	Ų	1,445	1,445
CATEGORY: GIS/Data Res								
2004 DATABASE & APPLICAT	The state of the s	1		0	0.	0		20
2004 LAND INFORMATION S	(SIEM	2		0	0	0	100	100
2004 ENTERPRISE DATA	NED COMMAND UDOS AND	3		0	0	0	100	100
2004 ENTERPRISE DATA SEI	the state of the s	4	-	0	0	0	80	80
TOTAL: GIS/Data Res	sources		ļ	0	0	0	300	300
TOTAL FOR 2004				0	6	0	2,580	2,580

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

	INFORMATIO	NTEC	CHNO	LOGY			
YEAR	PROJECT TITLE	DEPT PRIORITY	GO BONDS	MATCHING GRANTS		OTHER SOURCES	TOTAL REQUEST
CATEGORY: Netwo	ork & Infrastructure						
2005 TELEPHONY S	YSTEM UPGRADE	1	0	0	0		207
2005 NETWORK STO	DRAGE, REDESIGN, CORE UPGRADE & MISC. HARD)W 2	0	0	0	319	319
2005 WIRELESS NET	TWORK ACCESS	3	0	0	0	25	25
2005 MALICIOUS CO	DE PROTECTION	4	0	0	0	10	10
2005 SERVER CONS		5	0	0	0	240	240
2005 SERVER SOFT	WARE UPGRADES-ACTIVE DIRECTORY	6	0	0	0	375	375
2005 DESKTOP COM	APUTERS-IT	7	0	0	0	200	200
TOTAL: Netwo	ork & Infrastructure		0	0	0	1,376	1,37€
CATEGORY: Progra	am & Software Replacement						
2005 WORK FLOW N	Control of the Contro	1	0	0	0	96	96
2005 BUSINESS COM	NTINUITY PLAN	2	0	0	0	100	100
2005 DISTRIBUTED	SYSTEMS	3	0	0	0	169	169
2005 MICROSOFT S	OFTWARE ASSURANCE	4	0	0	0	80	80
2005 SOURCE CODE	ray and the contraction to be completed and the contract of th	. 5	0	0	0	25	25
TOTAL: Progr	am & Software Replacement		0	0	0	470	470
CATEGORY: GIS/D	ata Resources				····		
2005 DATABASE & A	APPLICATION (MUNI-WIDE)	1	0	0	0	20	20
2005 LAND INFORM		2	0	0	0		120
2005 ENTERPRISE D		3	0	0	0		200
the control of the property of the control of the c	DATA SERVER SOFTWARE UPGRADE	4	0	0	0	· · · · · · · · · · · · · · · · · · ·	30
TOTAL: GIS/D	and a second contract of the c	enske skelen e i	0	0	0		370
TOTAL FOR 2005			0	0	0	2,216	2,216
CATEGORY: Netwo	ork & Infrastructure	;		<u>_</u>		2,2,0	
2006 TELEPHONY S		1	0			200	200
486-511 to 10 computer community to 10 community community	ORAGE, REDESIGN, CORE UPGRADE & MISC. HARD		0	0	0		390 427
2006 WIRELESS NET	and the state of t	3	0	0	0		42 <i>1</i> 25
2006 MALICIOUS CO		4	0	0			<u> </u>
2006 SERVER CONS	Mark 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5		0	0	***	280
	WARE UPGRADES-ACTIVE DIRECTORY	6	0	to any contract the	0	eri	
2006 DESKTOP COM	4.0° Zon ab 0,0°, a com A Admir Control and a	7	<u>0</u> 0	0	0		130 200
and the state of the column territories and the state of	ork & Infrastructure	···	0	0	0	7	1,462
		Ĺ		<u> </u>		1,402	1,402
en er ener er er er en jarren en er en er er en er en	am & Software Replacement						
2006 WORK FLOW M	and the contract of the contra	1	0	0	0		36
	OFTWARE ASSURANCE	2	<u>0</u>	0	0	· · · · · · · · · · · · · · · · · · ·	80
2006 SOURCE CODE	Table 1 to 1 t	3	0	0	0		25
	am & Software Replacement	L	0	0	0	141	141
TOTAL: Progr	ata Pagaurage						
CATEGORY: GIS/D					_		20
CATEGORY: GIS/D 2006 DATABASE & A	PPLICATION (MUNI-WIDE)	1 1	0	0	0		
CATEGORY: GIS/DI 2006 DATABASE & A 2006 LAND INFORM	PPLICATION (MUNI-WIDE) ATION SYSTEM	. 2	0 0	0	0		120
CATEGORY: GIS/D 2006 DATABASE & A	PPLICATION (MUNI-WIDE) ATION SYSTEM					120	120
CATEGORY: GIS/DI 2006 DATABASE & A 2006 LAND INFORMA 2006 ENTERPRISE D	PPLICATION (MUNI-WIDE) ATION SYSTEM	. 2	0 0 0	0	0	120 200 30	120 200 30
CATEGORY: GIS/DI 2006 DATABASE & A 2006 LAND INFORMA 2006 ENTERPRISE D	PPLICATION (MUNI-WIDE) ATION SYSTEM DATA DATA SERVER SOFTWARE UPGRADE	2 3	0 0	0 0	0	120 200 30	120 200

MUNICIPALITY OF ANCHORAGE Capital Improvement Program PRIORITY LIST BY DEPARTMENT

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	- 1	v	"	31

	INFORMATIO	N TEC	CHNO	LOGY			
YEAR P	ROJECT TITLE	DEPT PRIORITY	GO BONDS	MATCHING GRANTS	STATE GRANTS	OTHER SOURCES	TOTAL REQUEST
CATEGORY: Network & Infra							W
2007 TELEPHONY SYSTEM UP	GRADE	1	0				193
2007 NETWORK STORAGE, RE	DESIGN, CORE UPGRADE & MISC. HAR	DW 2	0	0	C	427	427
2007 WIRELESS NETWORK AC	CESS	3	0	0	C	25	25
2007 MALICIOUS CODE PROTE	ECTION	4	0	. 0	C	10	10
2007 SERVER CONSOLIDATION	N	5	0	0	C	320	320
2007 SERVER SOFTWARE UPO	GRADES-ACTIVE DIRECTORY	6	0	0		375	375
2007 DESKTOP COMPUTERS-I	T	7	0	0	C	200	200
TOTAL: Network & Infr		Ī	0	0	0	1,550	1,550
CATEGORY: Program & Soft	ware Replacement	_					
2007 MICROSOFT SOFTWARE	and the following at the first terms of the first t	1	0	0		80	80
2007 SOURCE CODE MANAGE		2	0	0		25	25
TOTAL: Program & Sol			0	0	C	-,	105
		Ĺ				1	
CATEGORY: GIS/Data Resor	manananan kalendari da kalendari da mananan kalendari da kalendari kalendari da kalendari da kalendari kalenda			0	0	20	20
2007 DATABASE & APPLICATIO	and the same of th	1	0	0		120	120
2007 LAND INFORMATION SYS) EM	2	- 1 - 1 - 1 - 1 T-				
2007 ENTERPRISE DATA	ma paggaran inan in	3	0	0	O		200 30
2007 ENTERPRISE DATA SERV	,	4	0	0	0		
TOTAL: GIS/Data Reso	urces	L	0	0	0	370	370
TOTAL FOR 2007			0	0	0	2,025	2,025
CATEGORY: Network & Infra	structure					. ,	
2008 TELEPHONY SYSTEM UP	GRADE	1	0	0	0	103	103
2008 NETWORK STORAGE, RE	DESIGN, CORE UPGRADE & MISC. HAR	OW 2	0	0	0	427	427
2008 WIRELESS NETWORK AC	CESS	3	0	0	0	25	25
2008 MALICIOUS CODE PROTE	CTION	4	0	0	0	25	25
2008 SERVER CONSOLIDATION		5	0	0	0	280	280
2008 SERVER SOFTWARE UPG		6	0	0	0	130	130
2008 DESKTOP COMPUTERS-IT		7	0	0	0	200	200
TOTAL: Network & Infra	and the second section of the second section is a second section of the second section section is a second section of the second section secti	Ī	0	0	0	1,190	1,190
CATEGORY: Program & Soft	ware Replacement	r.					
2008 WORK FLOW MANAGEME	the contract of the contract o	1	0	0	0	96	96
2008 ENTERPRISE SERVER PR		2	0	0	. 0	305	305
2008 MICROSOFT SOFTWARE		3	0	0 .	0	80	80
2008 SOURCE CODE MANAGEN	A decision of the contract of	4	0	0	0	25	25
TOTAL: Program & Sof		· · · · · · · · · · · · · · · · · · ·	0	0	0	506	506
ATEGORY: GIS/Data Resou	ırces	L.					
2008 DATABASE & APPLICATIO	continued to a contract of a contract through the first of the first o	1	0	0	0	20	20
2008 LAND INFORMATION SYST		2	0	n	0		120
2008 ENTERPRISE DATA	* BALST	3	Ŏ	0	0	The Control of the State of the	200
2008 ENTERPRISE DATA SERVI	ER SOFTWARE UPGRADE	4	0	0	0		210
TOTAL: GIS/Data Resou		· · · · · · · · · · · · · · · · · · ·	0	0	0	7	550
		L					
TOTAL FOR 2008	是是是是是是不是不是是不是是不是是是是是		0	0	0		2,246
OTAL FOR ALL YEARS	INFORMATION TECHN		0	0	0	13,016	13,016

partment			Category						
Information Technology		ROJECT COST	Network & In	k & Infrastructure					
PROJECT TITLE AND DESCRIPTION	A-Assu F-Fede H-Herit	e B-Bond it D-D.G.T. eral 0-Other age Land Bank	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY					
	r-natch;	ing 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 dîsaster 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, pl name/description included in the Capital Im	ease re	view the sant Program	nme project section.	2003					

epartment Information Technology	2002 00	ROJECT COST	Category Network &	ategory Network & Infrastructure					
	\$-\$tal A-Assi	(000's) TO B-Bond TO D-D.O.T. TO TAIL 0-Other	0&M COST	COMMUNITY COUNCIL - PRIORITY					
PROJECT TITLE AND DESCRIPTION	H-Herit	age Land Bank ing State Grant	DEBT SERVICE	l-Essential 2-Necessary 3-Desireable					
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		Areawide					
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							
DESKTOP COMPUTERS-IT Replace and upgrade computers in IT	0=	200							
For specific funding needed in later years, pl name/description included in the Capital Im	ease re proveme	view the sa nt Program	me project section.	2003					

artment		Category						
Information Technology	2003 PROJECT COST (000's)	Network & Infrastructure						
PROJECT TITLE AND DESCRIPTION	S-State B-Bond A-Assæt D-D.O.T. F-Federal O-Other H-Neritage Land Bank	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY					
THE THE 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, p name/description included in the Capital 1	please review the sa	me project	2003					

epartment		Category	
Information Technology	2003 PROJECT COST (000's)	Program &	Software Replacement
PROJECT TITLE AND DESCRIPTION	S-State B-Bond A-Assmt D-D.O.T. F-Federal D-Other H-Heritage Land Bank	0&M COST (000's)	COMMUNITY COUNCIL - PRIORITY
	M-Matching State Grant	DEBT SERVICE	l-Essontial 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	0= 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 nprovement Program	nme project section.	2003

Department Information Technology	2003 PROJECT COST	Category GIS/Data Res	ources
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
TROUGHT TITLE PARE BEGORIT FIOR	H-Matching 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 improvement Program	nme project section.	2003

Information Technology		Category	· ·				
The state of the s	2003 PROJECT COST (000's)	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	O&M COST (860's)	COMMUNITY COUNCIL - PRIORITY				
TROUBLE TITLE AND BESCRITTION	M-Matching State Grant	DEBT SERVICE	l-Essential 2-Necessary 3-Desireable				
Sub-Total(s)	0= 70						
Category Total	70	0.0					
******************	******	******	************				
epartment Total(s)	0= 1,976						
rand Total of Information Technology	1,976	0.0					
or specific funding needed in later years, plo name/description included in the Capital Imp	ease review the same provement Program .	me project section.	2003				

Department Information Technology	Categor: Net		Inf	rastru	cture							
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.O.T. F-Federal Q-Other H-Heritage Land Bank H-Matching State											
THOUSEN THE THE BEOOKIT HOW	20	03	20	104	21	005	2	006	2	007	2	800
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)	0=	100										
			<u> </u>		<u> </u>			2	003	- 200	8	

Department Information Technology	Category Ne t		& Inf	rastru	cture				•				
DDA IFCT TITLE AND DECEDEDATION	(9))0's) S-S	tate B-B	ond A-Assa	t D-D.0	.T. F-Fedor	al 0-0t	her H-Kerit	ago Land	Bank M-Ha	tching State		
PROJECT TITLE AND DESCRIPTION	2003		03 20		2005		2006		2007		2	008	
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)	a der elektrische Geschafte der eine Geschafte der eine Geschafte der eine Geschafte der eine Geschafte der ein		0=	25	0=	25	0=	25	0=	25	0=	25	
					L			2	903	- 200	8		

Department Information Technology	Category Network & Infrastructure													
DDO IECT 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													
PROJECT TITLE AND DESCRIPTION	2003	2004		2005		2006		2007		- i	8008			
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			
				w A	~ * * * * -									
Sub-Total(s)	0= 1,021	0=	835	0=	1,376	0=	1,462	0=	1,550	0=	1,190			
Category Total	1,021		835		1,376		1,462		1,550		1,190			
	2003 - 2008													

Department Information Technology	Category Program & Software Replacement													
PROJECT TITLE AND DESCRIPTION	(000's) S-State B-Bond A-Assmt D-D.G.T. F-Federal O-Other H-Heritage Land Bank M-Matching State													
	20	03	20	2004		2005		06	20	07	21	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=	08	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								
			<u> </u>					2	003 -	- 200	8			

Department	Category											
Information Technology	Progr	am 8	& Sof	tware	Replacemer	t						
PROJECT TITLE AND DESCRIPTION	(000's	s> \$-\$	tate B-	Bond A-Assa	t D-D.G.T. F-Foo	eral 0-0	ther H-Herit	age Land Bank H-Ha	latching State			
TROSECT TITLE AND DESCRIPTION	2003		2004		2005		2006	2007	20	0.8		
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= 16							

Sub-Total(s)				1,445		0=	141	0= 105	0=	506		
Category Total		885		1,445	47		141	105		506		
							2	003 - 200	8			

epartment Information Technology	Category GIS/Data Resources													
PROJECT TITLE AND DESCRIPTION	(DDG's) S-State B-Bond A-Assat D-D.O.T. F-Federal D-Dther H-Horitage Land Bank H-Hatching State													
THOUSE THE THE BESCHI! HON	2003		2004		2005		2006		2007		2	800		
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=	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=	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		
	2003 - 2008													

	ГУ										
GI	S/Data	Resc	ources								
,	000's) S-S	tate 8	Bond A-Ass	t D-D.	O.T. F-Feder	al 0-0t	her H-Herit	age Land	Bank H-Ha	tching	State
2	003	2004		2005		2006		20	107	2	008
			:								
	***************************************										* * * * * * * *
0=		0=		0=		0=		0=		0=	550 550
* **		***		**		***		***		***	*****
0=	1,976	0=	2,580	0=	2,216	0=	1,973	0=	2,025	0=	2,246
	1,976		2,580		2,216		1,973		2,025		2,246
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		•	***************************************				2	003	- 200	8	
	O=	0= 70 70 * *******************************	(000's) S-State B- 2003 2 O= 70 O= 70 * ********* ***	2003 2004 O= 70 O= 300 70 300 * ********* O= 1,976 O= 2,580	O= 70 O= 300 O= 70 300 * ******** **********************	(000's) S-State B-Bond A-Asset D-D.O.T. F-Feder 2003 2004 2005 O= 70 O= 300 O= 370 70 300 370 * ******** *************************	0= 70 0= 300 0= 370 0= 70 300 370 x ******** **************************	C= 70 O= 300 O= 370 O= 370 70 300 370 370 ***********************************	0= 70 0= 300 0= 370 0= 370 0= 370 0= 70 300 370 370 370 x********* ********* ****************	Ce 70 O= 300 O= 370 O=	(000's) S-State B-Bond A-Asset D-D.O.T. F-Federal 0-Other H-Horitage Land Bank H-Hatching 2003 2004 2005 2006 2007 2 O= 70 O= 300 O= 370 370 370 370 370 370 370 370 370 37