

ANCHORAGE FIRE DEPARTMENT

Department Goal

The goal of the Fire Department for the 2007-2012 Capital Improvement Budget/Program is to provide effective and efficient emergency operations, fire suppression and emergency medical services (EMS) capability through the purchase of new and replacement fire apparatus, Mobile Intensive Care ambulances, related fire and medical equipment and vehicles, and construction of fire stations and other support facilities.

Fire

The 2007-2012 CIP provides for the scheduled replacement of aged fire apparatus/equipment to sustain emergency fire operations in the Anchorage Fire Service Area, Chugiak Fire Service Area, and the Girdwood Fire Service Area.

Emergency Medical Services

The 2007-2012 CIP provides for both the scheduled replacement of medic ambulance units and associated medical equipment, and expansion of the current ambulance fleet to maintain the current level Emergency Medical Services (EMS) services provided on an Areawide basis.

Facilities

Fire station renovation and upgrades are budgeted in the Fire Department CIB/CIP. Smaller fire facility projects are budgeted by the Maintenance & Operations department (Chapter 9) and include such items as major building systems upgrade projects.

ANCHORAGE FIRE DEPARTMENT

Apparatus Definitions

Pumper/Engine -- Normally referred to as a "Triple Combination Pumper"; this apparatus has a water tank, a "Class A" fire pump, and hose compartment. It generally has tool compartments, etc., a minimum complement of ground ladders, and the necessary complement of tools and equipment specified by NFPA and ISO.

Tender -- An apparatus designed specifically for the transport of water.

Pumper Tanker -- The same as a Tanker except it has a "Class A" fire pump that may be used for fire extinguishment as well as water transfer.

Aerial Apparatus -- An apparatus designed to carry a prescribed complement of ground ladders and has a power-operated aerial ladder. The aerial ladder may vary from 65 feet to 210 feet in length.

Ladder Tower (Aerial) -- An apparatus designed with all of the ground ladder complements and the aerial ladder, which terminates with a work platform. The aerial ladder may vary in length from 80 to 100 feet.

Quint -- An aerial apparatus equipped with a "Class A" fire pump, a water tank, complement of ground ladders, and an aerial ladder or platform. The vehicle is capable of operating as both an aerial and a pumper, but generally not at the same time.

Mini-Pumper -- a down-sized version of a "Pumper/Engine (see previous description) designed to provide a more rapid response to primarily wildfire incidents which occur in the urban/hillside forest interface where road access may be limited and a more agile initial ground attack, fire suppression response platform is needed.

Brush Rig -- Any of a large variety of smaller apparatus equipped specifically for the purpose of combating wildland fires. The AFD generally uses an all wheel drive apparatus such as a one- to one and one-half-ton vehicle equipped with compartments and a "slide- in" water tank and pump. This exact configuration of this type of unit varies considerably dependent on the terrain of the area where it is expected to operate.

Rescue Apparatus -- special purpose emergency response apparatus equipped to perform a wide range of incident support and specialized rescue functions.

HAZMAT Apparatus --special purpose emergency response apparatus equipped to perform a wide variety of incident support and specialized rescue and fire suppression associated with the potential or known presence of hazardous materials.

Medic Unit -- Type One, Class One, factory-equipped two- or four-wheel drive modular ambulance with ambulance prep package. Modular design, emergency/patient lighting, etc.; must comply with federal requirement KKK-A-1822C.

MUNICIPALITY OF ANCHORAGE
Capital Improvement Program
PROJECT LIST BY DEPARTMENT

Fire

YEAR	PROJECT TITLE	(\$000's)	GO BONDS	FEDERAL GRANTS	STATE GRANTS	OTHER SOURCES	TOTAL REQUEST
CATEGORY: Anchorage Fire							
2007	EXPAND EAGLE RIVER-SOUTHFORK VFS		0	0	500	0	500
2007	NEW SEWARD HIGHWAY NEW ENGINE 12 W/EXPANSION		2,500	0	0	0	2,500
2007	REPLACEMENT PUMPERS (AFD)		575	0	0	0	575
Anchorage Fire		TOTAL	3,075	0	500	0	3,575
CATEGORY: Girdwood Fire							
2007	NEW AERIAL LADDER/QUINT (GVFD)		0	0	1,200	0	1,200
Girdwood Fire		TOTAL	0	0	1,200	0	1,200
CATEGORY: Emergency Medical Services							
2007	REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)		1,000	0	0	0	1,000
Emergency Medical Services		TOTAL	1,000	0	0	0	1,000
TOTAL FOR 2007			4,075	0	1,700	0	5,775
CATEGORY: Anchorage Fire							
2008	FACILITIES RENOVATION PROGRAM		3,600	0	0	0	3,600
2008	MISCELLANEOUS STATION IMPROVEMENTS/REPAIRS		1,050	0	0	0	1,050
2008	REPLACE COMMAND & SUPPORT STAFF VEHICLES		250	0	0	0	250
2008	REPLACEMENT OF AIR RESOURCES EQUIPMENT (AFD)		1,750	0	0	0	1,750
2008	REPLACEMENT PUMPERS (AFD)		575	0	0	0	575
Anchorage Fire		TOTAL	7,225	0	0	0	7,225
CATEGORY: Chugiak Fire							
2008	REPLACEMENT PUMPERS-(CVFD)		0	0	575	0	575
2008	REPLACEMENT OF AIR RESOURCES EQUIPMENT (CVFD)		0	0	0	160	160
Chugiak Fire		TOTAL	0	0	575	160	735
CATEGORY: Girdwood Fire							
2008	REPLACEMENT OF AIR RESOURCES EQUIPMENT (GVFD)		0	0	0	80	80
Girdwood Fire		TOTAL	0	0	0	80	80
CATEGORY: Emergency Medical Services							
2008	EXPAND MOBILE INTENSIVE CARE AMBULANCE FLEET		250	0	0	0	250
2008	REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)		750	0	0	0	750
Emergency Medical Services		TOTAL	1,000	0	0	0	1,000
TOTAL FOR 2008			8,225	0	575	240	9,040
CATEGORY: Anchorage Fire							
2009	FACILITIES RENOVATION PROGRAM		1,800	0	0	0	1,800
2009	NEW ABBOTT LOOP FIRE STATION #16		750	0	0	0	750
2009	REPLACE AERIAL/COMBINATION LADDER TRUCKS		1,200	0	0	0	1,200
2009	REPLACEMENT PUMPERS (AFD)		575	0	0	0	575
2009	REPLACEMENT TENDERS (AFD)		400	0	0	0	400
Anchorage Fire		TOTAL	4,725	0	0	0	4,725
CATEGORY: Emergency Medical Services							
2009	EXPAND MOBILE INTENSIVE CARE AMBULANCE FLEET		250	0	0	0	250
2009	REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)		750	0	0	0	750
Emergency Medical Services		TOTAL	1,000	0	0	0	1,000
TOTAL FOR 2009			5,725	0	0	0	5,725
CATEGORY: Anchorage Fire							
2010	AFD/EOC DISPATCH-"TURN-KEY" REPLACEMENT (EMS)		1,750	0	0	0	1,750
2010	NEW MINNESOTA/RASPBERRY FIRE STATION # 17		750	0	0	0	750
2010	NEW TUDOR ROAD STATION #4-PHASE II EXPANSION		3,000	0	0	0	3,000
2010	REPLACEMENT PUMPERS (AFD)		575	0	0	0	575
2010	REPLACEMENT TENDERS (AFD)		400	0	0	0	400

MUNICIPALITY OF ANCHORAGE
Capital Improvement Program
PROJECT LIST BY DEPARTMENT

Fire

YEAR	PROJECT TITLE	(\$000's)	GO BONDS	FEDERAL GRANTS	STATE GRANTS	OTHER SOURCES	TOTAL REQUEST
CATEGORY: Anchorage Fire							
	Anchorage Fire	TOTAL	6,475	0	0	0	6,475
CATEGORY: Emergency Medical Services							
2010	AFD/EOC DISPATCH-"TURN-KEY" REPLACEMENT (AFD)		750	0	0	0	750
2010	REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)		750	0	0	0	750
	Emergency Medical Services	TOTAL	1,500	0	0	0	1,500
TOTAL FOR 2010			7,975	0	0	0	7,975
CATEGORY: Anchorage Fire							
2011	NEW E. R. VALLEY FIRE STATION #18 NEEDS ASSESSMENT, SITE		750	0	0	0	750
2011	REPLACEMENT PUMPERS (AFD)		575	0	0	0	575
2011	REPLACEMENT TENDERS (AFD)		400	0	0	0	400
	Anchorage Fire	TOTAL	1,725	0	0	0	1,725
CATEGORY: Emergency Medical Services							
2011	EXPAND MOBILE INTENSIVE CARE AMBULANCE FLEET		250	0	0	0	250
2011	REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)		1,000	0	0	0	1,000
2011	REPLACEMENT OF LIFEPAK 12 CARDIAC MONITORS		700	0	0	0	700
	Emergency Medical Services	TOTAL	1,950	0	0	0	1,950
TOTAL FOR 2011			3,675	0	0	0	3,675
CATEGORY: Anchorage Fire							
2012	NEW DEARMOUN ROAD FIRE STATION #19 LAND ACQ.		750	0	0	0	750
2012	REPLACEMENT PUMPERS (AFD)		575	0	0	0	575
	Anchorage Fire	TOTAL	1,325	0	0	0	1,325
CATEGORY: Emergency Medical Services							
2012	REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)		1,000	0	0	0	1,000
	Emergency Medical Services	TOTAL	1,000	0	0	0	1,000
TOTAL FOR 2012			2,325	0	0	0	2,325
TOTAL FOR ALL YEARS:			<i>Fire</i> 32,000	0	2,275	240	34,515

Municipality of Anchorage
2007 Capital Improvement Budget

Department	2007 Project Cost \$000'S	Category		
Fire		Anchorage Fire		
Project Title and Description	B = Bond F = Federal D= DOT/PF H = Heritage Land Bank I = Internal Chrgs N = Net Assets O = Other S = State Grant	O & M Cost	Debt Service	Community Council
EXPAND EAGLE RIVER-SOUTHFORK VFS				
2007-Expand/renovate the Eagle River Southfork Volunteer auxiliary Fire Station to better accomodate the personnel and provide additional on-site training space.	S= 500	.0	0.0	Chugiak Eagle River Eagle River Valley South Fork (E.R.)
NEW SEWARD HIGHWAY NEW ENGINE 12 W/EXPANSION				
2007-renovate and expand New Seward Highway Station #12, to include the addition of a new Engine 12 and related facility expansion.	B= 2500	2249.1	205.0	Abbott Loop Areawide Campbell Park Huffman/O'Malley Taku/Campbell
REPLACEMENT PUMPERS (AFD)				
Programmed replacement of first line responsepumpers for transfer to reserve status, designation as full-time training apparatus, or surplus.	B= 575	.0	47.2	Anchorage Fire Service Area
2007-replace 1992 model				
2008-replace 1993 model				
2009-replace 1993 model				
2010-replace 1996 model				
2011-replace 1993 model (E. R. Southfork)				
2012-replace one unit (not yet identified)				
z Anchorage Fire TOTAL	B= 3075 S= 500	2249.1	252.2	
For specific funding needed in later years, please review the same project name/description included in the Capital Improvement Program section.		2007		

Municipality of Anchorage
2007 Capital Improvement Budget

Department	2007 Project Cost \$000'S	Category		
Fire		Girdwood Fire		
Project Title and Description	B = Bond F = Federal D= DOT/PF H = Heritage Land Bank I = Internal Chrgs N = Net Assets O = Other S = State Grant	O & M Cost	Debt Service	Community Council
NEW AERIAL LADDER/QUINT (GVFD)				
2007-Purchase new aerial ladder-quint and assign to Girdwood Volunteer Fire Station. This acquisition would represent an expansion of the department's fire apparatus fleet.	S= 1200	12.0	0.0	Girdwood Valley Turnagain Arm
z Girdwood Fire TOTAL	S= 1200	12.0	0.0	

For specific funding needed in later years, please review the same project name/description included in the Capital Improvement Program section.	2007
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Municipality of Anchorage
2007 Capital Improvement Budget

Department	2007 Project Cost \$000'S	Category		
Fire		Emergency Medical Services		
Project Title and Description	B = Bond F = Federal D= DOT/PF H = Heritage Land Bank I = Internal Chrgs N = Net Assets O = Other S = State Grant	O & M Cost	Debt Service	Community Council

REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES)

Programmed replacement of Areawide EMS MICU ambulances to provide basic and advanced life support services and transport patients throughout the Municipality of Anchorage. The following replacement schedule will maintain a first-line fleet of MICU ambulances which is both highly reliable from an operating standpoint and reasonable current as to its mobile treatment and transport capabilities and equipment.

B= 1000 .0 82.0
 Areawide

2007-replace two 2001 and two 2003 models
 2008-replace one 2002 and two 2003 models
 2009-replace one 2002 and two 2004 models
 2010-replace one 2005 and three 2006 models
 2011-replace three 2007 and one 2008 models
 2012-replace two 2008 and two 2009 models

z Emergency Medical Services TOTAL

B= 1000 .0 82.0

For specific funding needed in later years, please review the same project name/description included in the Capital Improvement Program section.	2007
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Municipality of Anchorage
2007 Capital Improvement Budget

Department	2007 Project Cost	Category		
Fire	\$000'S			
Project Title and Description	B = Bond F = Federal D= DOT/PF H = Heritage Land Bank I = Internal Chrgs N = Net Assets O = Other S = State Grant	O & M Cost	Debt Service	Community Council

zz Fire TOTAL

B= 4075
S= 1700

2261.1 334.2

<i>For specific funding needed in later years, please review the same project name/description included in the Capital Improvement Program section.</i>	2007
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Anchorage Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012

AFD/EOC DISPATCH-"TURN-KEY" REPLACEMENT (EMS)

B= 1750

2010-Complete "turn-key" replacement of Computer Aided Dispatch (CAD) system and associated support equipment at both the Anchorage Fire Department Dispatch Center (currently housed at New Seward Highway Fire Station #12) and the Emergency Operations Center (EOC) back-up dispatch facility.

EXPAND EAGLE RIVER-SOUTHFORK VFS

S= 500

2007-Expand/renovate the Eagle River Southfork Volunteer auxiliary Fire Station to better accommodate the personnel and provide additional on-site training space.

FACILITIES RENOVATION PROGRAM

B= 3600

B= 1800

This project funds major renovations at AFD facilities throughout the city. A survey of fire facilities has identified needed renovations at the following locations:

2008-renovate Huffman Road Station #9, to include upgrades to utility systems and limited facility expansion.

2008-renovate Airport Heights Station #3, to include upgrades to utility systems and limited facility expansion.

2009-renovate Spenard Road Station #5, to include upgrades to utility systems and limited facility expansion.

		2007-2012
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Anchorage Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012

MISCELLANEOUS STATION IMPROVEMENTS/REPAIRS

B= 1050

Miscellaneous facility improvements and repairs to better meet operational needs and/or address health and safety issues.

2008-connect Rabbit Creek Fire Station #10 to Bear Valley Elementary School drinking water supply system.

2008-expand/upgrade workout facilities and other common use areas at Eagle River Fire Station #11.

2008-Tudor/Baxter Road Fire Station #14, north driveway access.

NEW ABBOTT LOOP FIRE STATION #16

B= 750

Build new 4-bay fire station to better facilitate arrival at fire scenes within the (6) minute response time from receipt of dispatch call.

2008-site selection, initial design, and land acquisition.

NEW DEARMOUN ROAD FIRE STATION #19 LAND ACQ.

B= 750

Build new 4-bay fire station to better facilitate arrival at fire scenes within the (6) minute response time from receipt of dispatch call.

2012-site selection, initial design, and land acquisition.

		2007-2012
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Anchorage Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012

NEW E. R. VALLEY FIRE STATION #18 NEEDS ASSESSMENT, SITE SELECTION, & DESIGN

B= 750

Build new 4-bay fire station to better facilitate arrival at fire scenes within the (6) minute response time from receipt of dispatch call.

2011-site selection, initial design, and land acquisition.

NEW MINNESOTA/RASPBERRY FIRE STATION # 17

B= 750

Build new 4-bay fire station to better facilitate arrival at fire scenes within the (6) minute response time from receipt of dispatch call.

2009-site selection, initial design, and land acquisition.

NEW SEWARD HIGHWAY NEW ENGINE 12 W/EXPANSION

B= 2500

2007-renovate and expand New Seward Highway Station #12, to include the addition of a new Engine 12 and related facility expansion.

NEW TUDOR ROAD STATION #4-PHASE II EXPANSION

B= 3000

2010-New Tudor Road Fire Station #4: funding for Phase II expansion project to add four (4) additional apparatus bays, EMS supply room, and additional command staff space.

		2007-2012
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Anchorage Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012

REPLACE AERIAL/COMBINATION LADDER TRUCKS

B= 1200

Programmed replacement of first line response aerial/combination ladder trucks for transfer to reserve status, designation as full-time training apparatus, or surplus.

2009-replacement of 1998 model currently assigned to Downtown Fire Station #1.

REPLACE COMMAND & SUPPORT STAFF VEHICLES

B= 250

Programmed replacement of command and supportstaff vehicles.

2007-replace up a minimum of six (6) command staff vehicles, model years 1998-2003.

REPLACEMENT OF AIR RESOURCES EQUIPMENT (AFD)

B= 1750

Air Resources Personal Protective Equipment:

2008--replace entire inventory of Self-Contained Breathing Apparatus (SCBA's) across all departments.

		2007-2012
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Anchorage Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012
REPLACEMENT PUMPERS (AFD) Programmed replacement of first line responsepumpers for transfer to reserve status, designation as full-time training apparatus, or surplus. 2007-replace 1992 model 2008-replace 1993 model 2009-replace 1993 model 2010-replace 1996 model 2011-replace 1993 model (E. R. Southfork) 2012-replace one unit (not yet identified)	B= 575	B= 575	B= 575	B= 575	B= 575	B= 575
REPLACEMENT TENDERS (AFD) Programmed replacement of first line responsepumpers for transfer to reserve status, designation as full-time training apparatus, or surplus. 2009-replace 1993 model 2010-replace 1992 model 2011-replace 1992 model			B= 400	B= 400	B= 400	
z Anchorage Fire TOTAL	B= 3075 S= 500	B= 7225	B= 4725	B= 6475	B= 1725	B= 1325

Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Chugiak Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012

REPLACEMENT PUMPERS-(CVFD)

S= 575

Provides for the programmed replacement of pumpers currently in service:

2008-Replace 1992 E-1 Model

REPLACEMENT OF AIR RESOURCES EQUIPMENT (CVFD)

O= 160

Air Resources Personal Protective Equipment:

2008-replace entire inventory of Self- Contained Breathing Apparatus (SCBA's) across all departments.

z Chugiak Fire TOTAL

O= 160
S= 575

		2007-2012
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Girdwood Fire					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012
NEW AERIAL LADDER/QUINT (GVFD) 2007-Purchase new aerial ladder-quint and assign to Girdwood Volunteer Fire Station. This acquisition would represent an expansion of the department's fire apparatus fleet.	S= 1200					
REPLACEMENT OF AIR RESOURCES EQUIPMENT (GVFD) Air Resources Personal Protective Equipment: 2008-replace entire inventory of Self-Contained Breathing Apparatus (SCBA's) across all departments.	O= 80					
z Girdwood Fire TOTAL	S= 1200 O= 80					

Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Emergency Medical Services					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012

AFD/EOC DISPATCH-"TURN-KEY" REPLACEMENT (AFD)

B= 750

2010-Complete "turn-key" replacement of Computer Aided Dispatch (CAD) system and associated support equipment at both the Anchorage Fire Department Dispatch Center (currently housed at New Seward Highway Fire Station #12) and the Emergency Operations Center (EOC) back-up dispatch facility.

EXPAND MOBILE INTENSIVE CARE AMBULANCE FLEET

B= 250

B= 250

B= 250

Expansion of MICU ambulance fleet to increase overall availability, quality, and reliability of reserve units.

2008-purchase one new MICU ambulance

2009-purchase one new MICU ambulance

2011-purchase one new MICU ambulance

		2007-2012
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Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire	Emergency Medical Services					
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012
REPLACE MOBILE INTENSIVE CARE UNITS (AMBULANCES) Programmmed replacement of Areawide EMS MICU ambulances to provide basic and advanced life support services and transport patients throughout the Municipality of Anchorage. The following replacement schedule will maintain a first-line fleet of MICU ambulances which is both highly reliable from an operating standpoint and reasonable current as to its mobile treatment and transport capabilities and equipment. 2007-replace two 2001 and two 2003 models 2008-replace one 2002 and two 2003 models 2009-replace one 2002 and two 2004 models 2010-replace one 2005 and three 2006 models 2011-replace three 2007 and one 2008 models 2012-replace two 2008 and two 2009 models	B= 1000	B= 750	B= 750	B= 750	B= 1000	B= 1000
REPLACEMENT OF LIFEPAK 12 CARDIAC MONITORS 2011-department-wide replacement of all LifePack 12-lead cardiac monitors with new upgraded units.					B= 700	
z Emergency Medical Services TOTAL	B= 1000	B= 1000	B= 1000	B= 1500	B= 1950	B= 1000

Municipality of Anchorage
2007 - 2012 Capital Improvement Program

Department	Category					
Fire						
Project Title and Description	(\$000's) B=Bond S=State F=Federal O=Other D=DOT/PF H=Heritage Land Bank N=Net Assets I=Internal Charges					
	2007	2008	2009	2010	2011	2012
zz Fire TOTAL	B= 4075 S= 1700	B= 8225 O= 240 S= 575	B= 5725	B= 7975	B= 3675	B= 2325