

MEMORANDUM

CITY/BOROUGH OF JUNEAU
155 South Seward Street, Juneau, Alaska 99801

DATE: November 6, 2013

TO: Planning Commission

FROM: Beth McKibben, Planner *Bme*
Community Development Department

FILE NO.: CSP2013 0030

PROPOSAL: Planning Commission CIP project nomination.

ATTACHMENTS

Attachment A FY14 Project Descriptions

INTRODUCTION

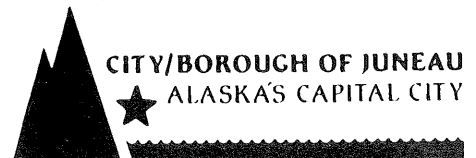
The City and Borough of Juneau prepares a revised, six-year Capital Improvements Program (CIP) each year. The CIP guides the investment of public funds for maintenance, repair, construction and acquisition of public infrastructure, facilities and equipment. The CIP is presented to the Assembly in April, together with the draft fiscal year budget. It also includes the City Manager recommended project priorities for Fiscal Year 2014.

This year, we are soliciting Planning Commission input for projects that might be included in the list prior to the list being reviewed by the Public Works and Facilities Committee. For the FY14 CIP, the Commission recommended the following two projects be included in that list:

- Second Crossing – Planning and research to facilitate the development of a second bridge to Douglas Island.
- West Douglas Road Extension (Pioneer Road to West Douglas).

BACKGROUND

A Capital Improvement Plan is a tool to assess the long-term capital project requirements of the CBJ and to establish funding of high-priority projects in a timely and cost-effective fashion. Development of a Capital Improvement Plan is intended to ensure that policy makers are responsible to residents and businesses of the community with respect to the expenditure of public funds. A Capital Improvement Plan also promotes the provision of continuous efficient services. The written plan identifies and describes capital projects, the years in which funding



each project is to occur and the method of that funding. The CIP is a six-year planning tool.

The CIP fulfills several purposes. It is a planning document that organizes and schedules projects and activities. It is a statement of budgetary policy that directs funds toward priorities. It is an investment guide that portrays the physical infrastructure and other improvements that support commerce and community.

The Comprehensive Plan addresses capital improvements in Chapter 18 as follows:

The CIP Planning Function

A recurring need in any municipality is planning for the execution of capital improvement projects. The work includes gathering the needs and expectations of operating departments into a unified document that sets priorities and is adopted by the Assembly at the same time as the annual operating budget. In the CBJ's case, the primary document is the Six-Year Capital Improvement Program (CIP), which is republished every year with a new year added at the "outer end" and the past year dropped off. The CIP contains a basic project list, organized by department, which shows each project that has been identified by the operating agency, a scope and estimated cost. Other sections of CIP re-list the projects by type and priority. A given project may change over the years as it advances from low priority status to higher status. This is because increasingly more planning and design consideration is given to a project which the sponsoring department has kept on the list year after year until it is finally carried out.

POLICY 18.6 TO DEVELOP A SIX-YEAR CAPITAL IMPROVEMENT PROGRAM TO IMPLEMENT THE COMPREHENSIVE PLAN BY COORDINATING URBAN SERVICES, LAND USE DECISIONS, AND FINANCIAL RESOURCES AND TO PROVIDE ADEQUATE FUNDING FOR CAPITAL IMPROVEMENTS TO ENSURE THE POLICIES, STANDARD OPERATING PROCEDURES, DEVELOPMENT GUIDELINES, IMPLEMENTING ACTIONS AND SUBAREA GUIDELINES OF THE COMPREHENSIVE PLAN ARE IMPLEMENTED.

Standard Operating Procedures

18.6 - SOP1 Prepare an annual Six-Year Capital Improvement Program (CIP). Request that CBJ departments, the public, and policy bodies nominate potential capital improvement projects from a variety of sources including the Comprehensive Plan and suggestions of resident and special interest groups, CBJ officials, advisory commissions, and others. (emphasis added)

18.6 - SOP2 CDD staff will analyze each CIP project list for conformity with the Comprehensive Plan.

18.6 - SOP3 The CIP sponsoring agency should prepare and make public related subsidiary CIP studies, reports and documents.

18.6 - SOP4 Maintain active involvement with other governmental sponsors of capital improvements and public works in general to assure that the efforts of those sponsors are compatible with local needs, conditions, and the policies of the Comprehensive Plan.

ORGANIZATION OF THE CIP

The CIP list offers important information for the various capital improvement projects recommended for funding in FY14 and the CIP projects planned for future years through FY19. The CIP list consists of sections addressing FY14 recommendations, funding sources, the six-year improvement plan, and project descriptions.

The Assembly and City Manager recommend CIP priorities according to the following:

Health and Safety: Will the improvement address an imminent or expected threat or danger to users or occupants?

Maintenance Impact: Will the improvement prevent further deterioration or damage to CBJ property, thereby reducing ongoing maintenance and operational costs?

Economic Development: Will the improvement directly or indirectly stimulate beneficial economic development in the community by enhancing transportation, cultural, business, health, education, resource development, and/or recreation opportunities within the community?

Community Improvements: Will the improvement establish, enhance, or expand a facility or service to accommodate new or increased public use?

RECOMMENDATION

Please review the list and provide suggestions you may have for projects to be included in the list.

FY 2014 CIP PROJECT DESCRIPTIONS

Department	Division	Priority	Project Description	
Administration	Manager's Office	1	PRISM - CORE FINANCIAL SYSTEM REPLACEMENT LEASE – this project is to replace the CBJ's aged financial and billing systems, the assessor's appraisal system, and the human resources and payroll systems with an integrated and more functional system. Funding is for software, hardware, and professional services.	
		2	IT INFRASTRUCTURE MODERNIZATION - funds will be used to modernize the City's current information system's infrastructure to a level that can meet the demands of today's technology requirements for functionality, stability, and disaster recovery solutions. The following projects that will address these concerns will be, but not be limited to: standardized document development solutions, virtualization of core services, wireless backbone build out, and mass network storage to provide recoverability and redundancy of critical data.	
		3	BONDED DEBT SERVICE - funds will be used for bond debt repayment	
		4	RAINY DAY RESERVE - funds will be used to increase the Rainy Day Reserve.	
	Sealaska Heritage	1	WALTER SOBOLEFF CENTER - these funds are in partial support of the new Walter Soboleff Center.	
	AJ Dock	1	A grant that will be used towards: Dock Entrance Atrium, Security Cameras, Security Guard, Training & Exercises, Electrical Winches, Restroom Maintenance/Cleaning and Short Range Response Boat Operations and other projects.	
	Franklin Dock	1	A grant that will be used towards: Security Lighting, Security Training & booth, Electrical Winches, Tourist Information Booth and Restroom Maintenance/Cleaning and other projects.	
	Goldbelt Dock	1	A grant that will be used to apply zinc, paint and cathodic protection to the dock and pilings. Will also be used to install a new piling for gangway support and upgrade the potable water system and marine electrical system and other projects.	
	Airport		1	DESIGN & CONSTRUCT PHASE I FOR NORTH WING REPLACEMENT & CONCESSION AREA - design and construct replacement of old sections of North terminal.
			2	CONSTRUCT SNOW REMOVAL EQUIPMENT FACILITY (SREF/SHOP) PHASE II - construct inside storage & maintenance shop per FAA requirements to extend useful life of airfield equipment.
		3	DESIGN & CONSTRUCT 8-26 RUNWAY SAFETY AREA - PHASE II B - construct pavement, electrical, drainage and tie-downs, NW Quad and East Side.	
		4	UPDATE AIRPORT MASTER PLAN - update has been delayed because of FEIS and RSA projects. Last update was done in 1999.	

FY 2014 CIP PROJECT DESCRIPTIONS

Department	Division	Priority	Project Description
Building Maintenance		1	DEFERRED BUILDING MAINTENANCE – on-going capital funded projects to repair CBJ buildings. Reduce maintenance costs and enhance building components by correcting a backlog of problems that have surfaced from aging of buildings.
Docks & Harbors	Docks	1	ELECTRICAL WINCHES - this funding would be used to purchase and install three electrical winches on mooring dolphins which currently do not have a mechanical means of lifting ships mooring lines out of the water. The mooring lines are becoming increasingly larger and more difficult to manage by traditional manual means. This project would enhance ship docking procedures and locate labor safety.
		2	REAL TIME WEATHER MONITORING & COMMUNICATION - this project would provide wind and current monitoring sensors at the various dock locations allowing for real time information for navigation purposes. The system would be broadcast over radio, internet, or other public media to be available to all cruise ships navigating in the immediate area.
		3	PAYPHONES - these funds would be used to meet telephonic communications demands from cruise ship passengers and cruise ship crew. CBJ has established a requirement to maintain pay telephones in the downtown corridor. Docks and Harbors and CBJ Administration maintain the existing downtown pay phones.
	Harbors	1	AURORA HARBOR REBUILD - PHASE I - the Aurora Harbor moorage facility is well beyond its design life and in need of replacement. PND Engineers performed a preliminary design in 2010 and an updated replacement cost in 2013. The cost is estimated to be \$22M. Full funding is not at hand so the project would be phased. Phase I is estimated to be \$6M. The project would consist of replacing the head float and gangway; main floats A & B and associated finger floats; electrical; domestic water; sewage pump out; and a new fire suppression system. Phase II would replace the same elements as far as funding in hand will allow.
		2	DOUGLAS HARBOR REBUILD - these funds will be used for work that includes dredging the south half of the boat basin as well as the demolition and replacement of the original floats. The existing south gangway will be replaced. The new floats will have updated water and electrical utilities.
Eaglecrest		1	LIFT/MOUNTAIN OPERATIONAL IMPROVEMENTS - which include the following projects: Lodge Maintenance - (\$25,000) - continued funding of small projects that ensure the building remains in serviceable condition until the lodge undergoes a major remodel. In the near term this includes roof maintenance, new flooring and deck repair.

FY 2014 CIP PROJECT DESCRIPTIONS

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			<p>Lift Operations - Terminal Structures - (\$10,000) - Black Bear and Porcupine lifts both need basic roofed structures installed over their terminals in order to prolong the life of motors, gear boxes and other associated equipment.</p> <p>Lift Operations - Misc. Lift Parts - (\$10,000) - As one of the key components of Eaglecrest Operations the lifts require regular purchase and installation of major capital intensive parts to include but not limited to sheave assemblies, motors and gearboxes. These parts will be purchased and installed on a regular program keeping safety and structural integrity as the number one priority.</p> <p>Snow Safety-Mountain Signage - (\$10,000) - Eaglecrest's insurance company has asked that they begin a program of installing run difficulty signage at the beginning of each ski run. They have begun a program to install the needed signage on all of the 35 runs at the mountain. In addition, general information signage around the mountain has been incorporated into this program.</p> <p>Mountain Operations - Trail Conditioning - (\$15,000) - remove stumps and other obstacles from ski runs allowing Eaglecrest to open earlier in the season.</p> <p>Lift Operations - Lift Tower Painting - (\$10,000) - a long term program of painting lift towers continues in order for the lift towers to be assured of a long life expectancy. Eaglecrest has a total of 94 lift towers. Approximately 30 towers per year along with at least one top and bottom terminal will be painted. In the coming years, all towers and terminals will be painted and the life expectancy of the tower paint is 5 to 7 years.</p> <p>Snow Safety - Radio Conversion - (\$7,500) - per FCC mandate Eaglecrest is required to convert their existing wide band VHF hand held radios to a narrow band format.</p> <p>Snow Safety - New Two Story "A-Frame" Building - (\$75,000) - The currently "A=frame" snow safety building has become outdated and too small to service the snow safety program at Eaglecrest. A new building will allow for more storage and better utilization. The building will allow the snow safety team to move more of its operations to the new building creating more space for injured users in the base lodge room.</p> <p>Mountain Operations - Hiking Trails - (\$15,000) - The Master Plan outlines hiking trails/multi-use trails as a top priority for the future of Eaglecrest. Eaglecrest will begin a multi-year plan to create more hiking/multi-use trails within the CBJ/Eaglecrest Boundary.</p> <p>Mountain Operations - Cropley Lake Development - (\$50,000) - the development of a Cropley Lake Trail as well as a cabin in the Cropley Lake area will be the first major development of the multi-year trails plan at Eaglecrest. These funds will allow the completion of the Cropley Trail and begin the process of building a cabin in the Cropley Lake area.</p>

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			<p>Mountain Operations - Snowmaking - (\$30,000) - Eaglecrest will begin a multi-year plan to repair the current snowmaking system and increase snowmaking coverage of the lower mountain. This snowmaking will allow Eaglecrest to better handle low snow years and open as early as possible.</p> <p>Trail Maintenance - (\$30,000) - The trail network at Eaglecrest has started to become overgrown after many years of little annual maintenance. We will begin a program of yearly maintenance to reclaim the ski trail network enabling Eaglecrest to open as early as possible with the safest conditions possible. This will include cutting and trimming by handling all trails at Eaglecrest on a rotating basis.</p>
		2	<p>LEARNING CENTER - The Learning Center will house adaptive learning facilities, a classroom and children's program area, rental department, and the retail and repair shop.</p>
Engineering		1	<p>CONTAMINATED SITES REPORTING - funds will be used for soil sampling and reporting at historic sites that may have contamination from leaky fuel or heating oil tanks and other contaminants.</p>
Finance		1	<p>CRUISE BERTH ENHANCEMENTS & SEAWALK - funds will be used for the Cruise Ship Berth and Seawalk project.</p>
Fire Department		1	<p>THERMAL IMAGING CAMERAS</p>
		2	<p>PLATFORM LADDER TRUCK</p>
		3	<p>MOBILE DATA TERMINALS - funds will be used to install mobile data terminals in the first response fire department apparatus. This would provide dispatch information real time in the responding vehicles and would improve response times, reduce radio traffic to the dispatch center, and provide pre-incident plans and maps in the apparatus.</p>
Lands and Resources		1	<p>HOUSING LAND DEVELOPMENT - Provide access corridor to develop municipal lands on Pederson Hill that were dependent on the now present West Mendenhall Valley Sewer system. This access corridor is necessary to provide access to the area for development of CBJ properties on Pederson Hill. The area is promising for residential development, is transitionally zoned D-1 T D-5 and would allow for significant long term development and disposal of municipal lands. It should be noted that the Comprehensive Plan supports much denser zoning for the area.</p>
		2	<p>WILLOUGHBY DISTRICT PARKING - funds will be used to enhance State of Alaska parking renovation project at the State Office Building North Parking Garage.</p>

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Library		1	<p>MENDENHALL VALLEY LIBRARY AT DIMOND PARK - construction of new Mendenhall Valley Library branch to replace rented facility in Mendenhall Mall. The Mendenhall Valley Library branch serves the largest population in Juneau and has the heaviest use of any library branch. The physical facilities available in the current mall location do not provide collection space or access to meet the needs of that population or level of use. Rents at the mall location will exceed \$200,000 per year by FY14 and by the end of FY14 will have cost the CBJ in excess of \$6.5 million in 2010 dollars since the library was first located in the mall in 1983. Eliminating the rental expense is expected to produce savings in the annual library operation budget for an owned facility. Construction of a public library branch at the Dimond Park has been designed in the Dimond Park Master Plan since that property was purchased in the 1980's, and the current availability of state reimbursement grants for library construction make this project cost effective.</p>
Parks & Rec	Centennial Hall	1	<p>ELECTRICAL UPGRADES, ROOF REPLACEMENT, WATERLINE REPLACEMENT - these funds will be used to replace the facility's roof and plumbing systems. The electrical system will be upgraded, and fixtures and furnishing will be replaced.</p>
	Parks/Rec Areas	1	<p>RESTROOMS, PAVING & CONCESSIONS - Adair-Kennedy: funds will be used to replace the vandalism-prone bathroom and concession building with a more secure building that is designed to accommodate heavy use, and will replace the drinking fountain, tables, and benches. Lighting in the park will be upgraded to deter crime and vandalism, and security cameras will be installed. Dimond Park: these funds will be used to construct a combination bathroom and concession stand at the center of the complex. In addition, the road to the field house will be paved, parking lighting will be improved and new scoreboards will be installed. Melvin Park: these funds will replace the existing structures with adequate bathroom facilities and concessions. In addition, the wood grandstands will be renovated, and equipment storage lockers will be replaced.</p>
		2	<p>PARK AND PLAYGROUND REPAIRS & IMPROVEMENTS - these funds will be used for replacement of playground equipment that has exceeded its useful life, as well as drainage, slope stabilization and general park improvements. Some slopes and retaining walls are deteriorating and need to be replaced. General site improvements will be made to improve safety and usability.</p>
		3	<p>BRIDGE PARK - funds will be used for preliminary planning, design and permitting.</p>
		4	<p>WATERFRONT SEAWALK - funds will be used to continue the design, examination of right-of-way issues, pedestrian access and safety, and construction of seawalk in accordance with the Waterfront Development Plan.</p>

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		5	SPORTS FIELD RESURFACING & REPAIRS - these funds will be used to repair and resurface the track surface at Adair-Kennedy field #2 and resurfacing of Glacier Valley field #2. Funds will also be used for replacement of broken, damaged and otherwise out of service park fixtures such as bear resistant trash cans, drinking fountains, lighting, bathroom fixtures, benches, picnic tables, signs and information kiosks.
		6	TWIN LAKES MULTI-USE PATH LIGHTING - funds will be used for lighting on pathway for pedestrians and bicyclists.
	Trail Maintenance	1	OHV PARK TRAILS - PHASE I - these funds will fund the first phase of construction, including a parking area, trailhead, and some trails for off-highway vehicles (OHVs) on CBJ property near Bridget Cove.
Public Works	Capital Transit	1	MAINTENANCE SHOP RENOVATIONS - The project would build additional storage space for the six buses currently parked outside of the Capital Transit Maintenance and Operations Facility, update the administrative area to accommodate current staff, and create a training room.
		2	ELECTRONIC FARE SYSTEM - To provide a more secure and convenient system for collecting ridership fares and data. These funds will be used to equip all transit buses with electronic fare equipment. A fare system is a standard in the industry and reduces risks involved in fare collections and records. Electronic fare systems provide accurate transaction information, rider statistics, and provide for the use of credit and e-cards by the customers.
		3	BUS SHELTER IMPROVEMENTS - plan, design, and construct bus shelter repairs and/or replacements on Capital Transit routes. Work is to provide for necessary major maintenance repairs to existing transit shelters to provide safe and protected waiting shelters for transit passengers.
	Streets	1	VACTOR DUMP - this project is to construct a dump location to dump street sweepings that are collected in the street sweepers. In the past, this function has been accommodated at the old city Shop under the bridge in a dump station that was not designed to control the run off from material being dumped. A new vactor dump station will control run off to ensure contaminants are being contained. It is essential that a new vactor dump station be constructed to completely evacuate the are under the bridge.
		2	PAVEMENT MANAGEMENT IMPROVEMENTS - on-going pavement management program to provide chip seal, asphalt overlays/replacements, and other preventative maintenance treatments to CBJ streets. Pavement maintenance is required to extend functional life of road surfaces an additional 5 to 10 years. the program also provides capital funding to purchase and repair specialized asphalt maintenance equipment and to purchase paving materials (oil, aggregates, chemicals, etc.) for pavement maintenance.

FY 2014 CIP PROJECT DESCRIPTIONS

Department	Division	Priority	Project Description
		3	AREAWIDE SNOW STORAGE FACILITIES DEVELOPMENT - due to water quality impacts, the Alaska Department of Environmental Conservation (ADEC) does not allow the disposal of hauled snow into water bodies. Disposal of snow in the ocean has been the historical practices by all coastal Alaska communities. this is a multi-phase project to develop upland storage sites in the Mendenhall Valley, Lemon creek, Downtown Juneau, and Douglas. This program intent is to have all sites developed and operational within five years. Each site will be designed to collect and treat snow melt in compliance with Alaska Water Quality Regulations.
		4	PIONEER AVE. PHASE III - this funding will be used to complete the Pioneer Avenue reconstruction project.
		5	LEMON ROAD RECONSTRUCTION - funds will be used to reconstruct roadway, add storm drain system and possibly sidewalk. Evaluate street lighting for possible addition. This street is used by the Capital Transit bus system and handles traffic to the prison, in addition to the local traffic. There is currently no drainage system in place and the road surface is failed beyond repair.
		6	SIDEWALK & STAIRWAY REPAIRS - funds will be used to reconstruct and repair areawide stairs and sidewalks. Programmed repair of sidewalks and stairs reduces maintenance costs and promotes pedestrian safety.
		7	MEADOW LANE IMPROVEMENTS - this project includes reconstruction of street base and asphalt, installation of underground storm drains and street light evaluation. This street currently has no drainage inlets and improvements are needed to allow drainage from Stikine St. to enter the storm drain system. The existing pavement also has many low spots along the street (mainly in front of driveways) and standing water on the asphalt is causing road accelerated pavement deterioration which will be addressed by this project.
		8	EAGLES EDGE SUBDIVISON LID IMPROVEMENTS - these funds will be used for roadway and watermain reconstruction to address deficient drainage, water distribution and pedestrian facilities. This subdivision was originally constructed with major portions of the watermain located beneath private residences which makes it extremely problematic for the utility to maintain and repair the existing water system and impossible to shut off water service to non-paying customers.
		9	THIRD STREET RECONSTRUCTION - this project is needed to repair failed roadway surface, curbs and sidewalk between Gold St. and Franklin St. roadway base to be excavated and replaced with shot rock to improve drainage under the roadway and new asphalt applied. Any utility issues blow the roadway surface will be addressed as well.
		10	DOWNTOWN, DISTIN/W 8TH STREET REBUILD - DESIGN - these funds will be used to fund the design work for rebuilding Distin Ave and W 8th Street. Funding for construction will be requested at a later date.

FY 2014 CIP PROJECT DESCRIPTIONS			
Department	Division	Priority	Project Description
		11	LAKWOOD SUBDIVISION IMPROVEMENTS - PHASE II - funds will be used to reconstruct roadway, add sidewalk and improve drainage on Turn St. from Meander Way to Northland Street. Evaluate street light coverage and possible need for additional lights or move existing. Roadway bases to be excavated and replaced with shot rock to improve drainage under roadway and new asphalt applied.
		12	TANNERS TERRACE LID - initial planning and design to correct drainage, replace watermain, and improve road surface. Residents have expressed interest in participating in an LID to improve drainage and road surfaces in this area. This project is to investigate what would need to be done to collect and control ground water run off and storm water, alignment and improvements to the road surface and how the project could accommodate existing drive ways and parking, and replace troublesome water mains throughout the area. Design and determine a cost estimate to complete all work.
		13	GOVERNOR'S HOUSE AREA ROAD RECONSTRUCTION - providing funding for upgrades to the area near the Governor's mansion which is subject to aging infrastructure and has poor pavement and sidewalk surfaces. The streets involved are Dustin Avenue, Indian Street, and West 7th and 8th Streets. Rehabilitating this neighborhood would correct now-combined sanitary and storm sewer into separate systems. This area is highly visible to the public due to its proximity to the Governor's mansion.
		14	SAFE ROUTES TO SCHOOL SNOW REMOVAL EQUIPMENT - provide funding for the purchase of a narrow body snow removal piece of equipment capable of keeping sidewalks safe for children to walk to school. The ASOT has a similar piece of equipment in Juneau to maintain state controlled sidewalks. This request would allow CBJ streets crews to maintain CBJ controlled sidewalks
		15	SNOW CHEMICAL SHED - these funds will be used for construction of a chemical storage building that will be used to house the dry chemicals that are used on the streets in the winter to melt snow and ice.
	Wastewater Utility	1	BIOSOLIDS MANAGEMENT - this project focuses on improvements to the CBJ's current wastewater biosolids management & disposal practices by (a) major repairs to the existing biosolids incinerator unit, or (b) improvements necessary for the city's conversion to an alternative biosolids disposal method such as composting or other means. The existing incinerator is nearing the end of it's 20-year design life and is experiencing more frequent breakdowns than in years past. It consumes approximately 100,000 gallons of heating oil per year whose price has increased approximately 200% (in comparison to cost of living increases of approximately 67%) since it was originally constructed. In recent years the communities of Ketchikan, Haines, and Fairbanks have transitioned to composting to address their biosolids disposal needs and CBJ Public Works is in the process of assessing whether composting, or other alternatives to incineration, would be a more economical and environmentally sustainable method for CBJ's biosolids management and disposal needs.

FY 2014 CIP PROJECT DESCRIPTIONS

Department	Division	Priority	Project Description
		2	BACKLOOP SEWER REPAIRS - funds will be used to replace a failing segment of waterline along Back Loop Road, within the ADOT Back Loop Road / Glacier Highway Roundabout construction project at Auke Bay. CBJ Public Works Department recently learned that this segment of waterline is corroding and in need of replacement during the ADOT construction project occurring in 2013.
		3	WASTEWATER FACILITIES PLAN - provide funding for state mandated facility plans for the three Juneau waste water treatment plants. These plans would include recommendations for plant modernization, energy efficiency upgrades and other plant updates.
	Water Utility	1	JUNEAU DOUGLAS BRIDGE - WATER REPAIRS - the water main in the Juneau Douglas was constructed over 30 years ago and contains two highly critical 14 inch diameter water mains which were constructed with a cable restraint system to prevent pipe separations. In recent years the cable restraints have failed completely and resulted in multiple pipe separations. This project will address this problem by installing a combination of pipe expansion joints, mechanical connectors, and other components to restore the integrity of this important part of the city's water distribution network.
		2	BACKLOOP WATER REPAIRS - this water repair project would replace problem sections of existing water main that has experienced frequent repairs in recent years due to severe corrosion. This work would be between Auke Lake Way (access to UAS/AK National Guard combined facility) to the intersection near DeHart's and on to approximately the UAS (formerly NOAA) fish lab.
		3	AREAWIDE WATER MAIN REPAIRS - funds will be used for repairs to failing water lines.
		4	LAST CHANCE BASIN GENERATOR SYSTEM REPLACEMENT - these funds will be used to address power quality issues at Last Chance Basin well field by replacing both the existing undersized pump generator and building generator with a single generator, and upgrade the automatic transfer switch and associated components to increase switchboard capacity and improve system reliability.
Schools		1	SCHOOL DEBT RETIREMENT - early retirement of school project debt is included in the temporary 1% sales tax that is funding projects in FY10 to FY14. Over the course of this sales tax collection, \$4M will be used to reduce this debt.