

**ASSEMBLY STANDING COMMITTEE
PUBLIC WORKS AND FACILITIES COMMITTEE
THE CITY AND BOROUGH OF JUNEAU, ALASKA**

January 29, 2018 12:00 PM
Municipal Building - Assembly Chambers

I. CALL TO ORDER

II. APPROVAL OF MINUTES

- A. January 8, 2018 - Regular Meeting

III. PUBLIC PARTICIPATION on NON-AGENDA ITEMS

IV. ITEMS FOR ACTION

- A. Transfers and Closeouts - Housekeeping

V. INFORMATION ITEMS

- A. Volkswagon Settlement Information
- B. Electric Bus Analysis - Update
- C. Electric Vehicle Charging Infrastructure Location Evaluation & Management
- D. Capital Improvement Plan (CIP) DRAFT Resolution

VI. CONTRACTS DIVISION ACTIVITY REPORT

- A. January 4, 2018 to January 24, 2018

VII. ADJOURNMENT

ADA accommodations available upon request: Please contact the Clerk's office 72 hours prior to any meeting so arrangements can be made to have a sign language interpreter present or an audiotape containing the Assembly's agenda made available. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: city.clerk@juneau.org

DRAFT
PUBLIC WORKS & FACILITIES COMMITTEE
Regular Meeting – January 8, 2018
12:00 PM – City Hall Assembly Chambers
MINUTES

I. ROLL CALL

Meeting was called to order at 12:00 p.m.

Members Present: Mr. Jones (Chair), Ms. Weldon, Mr. Gregory, Ms. Gladziszewski (By Phone)

Staff Present: Mayor Ken Koelsch, City Manager Rorie Watt, Mila Cosgrove, Roger Healy, Tina Brown, Greg Smith, John Bohan, Rob Steedle, Ed Foster

Planning Commission: Carl Greene

II. APPROVAL OF AGENDA

A. November 20, 2017 – Approved

B. December 4, 2017 - Approved

III. APPROVAL OF MINUTES

None.

IV. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

Duff Mitchell of 3274 Pioneer Ave brought attention to the Volkswagen settlement. VW has been penalized a substantial sum of money and that our State will receive a very small portion of it. But because Juneau is uniquely situated and our City already has an electric vehicle encouragement program in place. Mr. Mitchell knows that JEDC is working on trying to apply or working with a group to get some of those funds. There are two other pots of money other than the State of Alaska. One is over a billion; it is a competitive process to which any City or State organization is free to apply. Also there is a Tribal portion, which he believes Tlingit and Haida is applying for. This is happening now and he wanted to let the PWFC know because with matching and other types of fund sources like this, it might be a wonderful opportunity to get our friends at VW Germany to pay for some chargers that are eligible for busses. He mentioned that the State of Washington is applying for electrified ferries in Puget Sound. It is quite a wide range of what you can use the funds for.

V. ITEMS FOR ACTION

A. FY19 to FY24 Sales Tax Project Funding Schedule

Mr. Healy discussed the FY19 and FY24 Sales Tax Project Funding Schedule that the PWFC forwarded to the Finance Committee and has now returned to the PWFC. There were some questions on the allocations of funding. He stated that the schedule is a Staff recommendation based on knowing each program and project on how to best spend the funds; it is in terms of program needs each one maybe different, such as the airport needing match money up front. Building and School maintenance is in need of a flow of funds over the 5 year schedule to maintain JSD facilities. If there is a need to accelerate, the Finance Director has mentioned that an alternative would be to float a bond to get sufficient funds up front and have the payments come out of the allocation over the next few years. That's not in play here at this time. Mr. Healy took questions.

Ms. Weldon had asked this schedule to come back to the PWFC, after further review, she spoke with Mr. Healy who answered a few of her concerns. This schedule does not match their priority list. She would like Staff to take a look at a few of the projects, and change the order. In particular the pool versus Centennial Hall and the Harbor projects.

Mr. Healy mentioned that in the past, with 1% allocations, priorities change and PWFC has the ability to come back with specific recommendations, say one program is not ready for the funding now and another one is, passing whatever we do through Finance now will be included and identified in the CIP as to how we are going to spend money, but it certainly can be altered in the future as well to meet specific program needs.

Discussion ensued.

Ms. Weldon motioned for Staff to take another look at the FY19 and FY24 Sales Tax Project Funding Schedule and then send it to Finance.

No objections. Motion passed

B. Electric Vehicle Charge Infrastructure & Management

Mr. Healy discussed the three items Staff is currently working on related to the electric vehicle charger infrastructure and management. More information will be presented by Ms. Elfers at the 1/29/18 PWFC. Also at the 11/27/17 Assembly Meeting, a proposed Ordinance No. 2017-35 amending the traffic code relating to electric vehicles and providing for a penalty was referred to the PWFC for consideration and referral back to the Assembly for hearing. Mr. Healy pointed PWFC members to the attached memo which proposed fees for use of a vehicle charging station would be in the form of a permit of \$50 and fines for failure to deposit money, parking without a permit, vehicle not charging, or misuse of a permit. We would like recommendations from the PWFC and ultimately the goal would be to have the PWFC forward Ordinance No. 2017-35 back to the Assembly for hearing.

Discussion ensued.

Mr. Jones requested that Ordinance No. 2017-35 regarding traffic code relating to electric vehicle charging stations will stay with the PWFC until the 1/29/18 meeting.

C. CIP Transfers and Closeouts

Mr. Bohan spoke on the list of CIP's Engineering will be closing and others that are close to closing. Mr. Bohan said that as Staff looked into the design projects for this year we found a few that are lacking funds, so we are trying to catch up and provide enough funding to get these projects on the street for the summer.

Discussion ensued.

Ms. Weldon motioned that the list of transfers and closeouts provided in the memo dated 1/3/18 from John Bohan be forward to the Assembly for approval.

No objections. Motion passed

VI. INFORMATION ITEMS

A. City Shop Vehicle Wash Bay – Update and Funding

Mr. Healy discussed the funding allocation in FY17 and FY18 for this CIP funded to the amount of \$1,050,000. During schematic design it was determined that the initial funding allocation is far too low. The current estimate for the construction portion is \$1.6 million and final consultant design, consultant inspection, special inspection, CBJ management cost and contingencies bring the total project cost to approximately \$2.2 million.

Mr. Foster said that we currently do not have a facility to wash vehicles and equipment and there is a need to clean our City vehicles in an environmentally sensitive manor. We do have an automatic bus wash system but it was designed for buses only. We have been having a hard time extending the life of our equipment and vehicles due to deterioration because we do not have an adequate wash facility.

Discussion ensued.

B. Transit Update

Mr. Healy discussed the need for a new Valley Transit Center. The Nugget Mall site is not an ideal site anymore and we would like to move the site up the Valley, which means across Egan Drive. Transit is looking at three potential sites near the Mendenhall/Vintage Mall area. This move kicked off a discussion on bus scheduling, because with the existing schedules some runs are on very tight timelines which could mean potential transfers are lost or customers are waiting an additional half an hour or more for the follow up bus to come through. Transit has looked at scheduling alternatives but it will require new schedules of three big circles: Douglas/Downtown, Downtown/Valley, and a Valley circulator. The overall goals are to improve service, make it as budget neutral as possible, and also make it better for the drivers who are

that are stressed about taking a 5 minute bathroom break and losing time on the route due to traffic delays. This will require a public process that the City has to do a good job of identifying to the users and community what we are looking at and how it is going to make the schedules better.

Mr. Jones asked about park and ride and if we could we take a look at this while considering the new Valley Transit Center.

Mr. Healy said that the initial concept of the Valley Transit Center includes some parking spaces for a park and ride component. We are thinking of about 20-25 spaces, with possibly adding spaces as needed.

Mr. Healy discussed the listed fleet upgrade ordinances and the replacement schedule for buses FY22. Seven buses are reaching the end of their useful life so by FY20 we need to start identifying if we have the match funds, place the order and issue an RFP to purchase the new buses. Regarding electric busses, it is not conclusive yet of the life-cycle costs between electric and diesel busses. There has not been a long term history for maintenance costs for electric busses. There have been a few studies that have been reviewed and overall, the costs are about the same but the information is not extensive. It is suggested that we try out an electrical bus and evaluate future commitments based on a local trial period.

Discussion ensued.

C. FY19 Capital Improvement Plan Schedule

Mr. Jones asked if the provided memo just lists out the dates for the FY19 Capital Improvement Program Schedule.

Mr. Healy said yes, the memo lists out the dates for the FY19 Capital Improvement Program Schedule.

.

VII. CONTRACTS DIVISION ACTIVITY REPORT

None.

ADJOURNMENT – The next meeting is January 29, 2018. Meeting adjourned at 1:14 PM.



Engineering & Public Works Department

155 South Seward Street

Juneau, Alaska 99801

Phone: 907-586-0800 | Fax: 907-463-2606

DATE: January 24, 2018

TO: Loren Jones, Chair
Public Works and Facilities Committee

FROM: John Bohan, Chief CIP Engineer and Water Superintendent

SUBJECT: CIP Transfers and Closeouts – Housekeeping

Staff has been working on catching up and closing older projects. The attached list of proposed CIP closures and transfers closes six CIPs and creates three new CIPS. Funds transferred from the Blueberry Hill CIP and the Transit CIP (which are not closing) will leave enough funds in those CIPs to complete the remaining work on those projects.

Staff requests the above transfers be forwarded to the full Assembly for approval.



Engineering & Public Works Department

155 South Seward Street

Juneau, Alaska 99801

Phone: 907-586-0800 | Fax: 907-463-2606

DATE: January 29, 2018

TO: Loren Jones, Chair
Assembly Public Works and Facilities Committee

FROM: Michele Elfers, Chief Landscape Architect
Engineering & Public Works Department

RE: Volkswagon Settlement Funds

The Alaska Energy Authority (AEA) is designated as the lead State agency to oversee the distribution of \$8.125 million of settlement funds over 10 years. The AEA is working on the required Beneficiary Mitigation Plan that outlines how the funds will be distributed among eligible mitigation action types to reduce NOx emissions. The goals include greatest air quality benefits from NOx emission reductions, reducing public exposure and promoting clean vehicle technologies. This plan should be available by 2/12/18. After the submittal of the Beneficiary Mitigation Plan, the AEA will begin soliciting projects. This date is still unknown.

The types of approved mitigation actions generally include replacing older diesel-powered trucks, buses and industrial vehicles with new lower emissions equipment as well as purchasing new electric vehicle charging equipment. The types of vehicles considered include Class 4-8 school buses, shuttle buses, or transit buses; Class 8 local freight and port drayage trucks, ferries and tugs, airport ground support equipment, forklifts and port cargo handling equipment, and a few other types. The purchase of zero emission vehicle supply equipment (chargers) is also an approved mitigation action. More information on the process for settlement distribution in Alaska can be found at www.akenergyauthority.org.

Community groups have been discussing this opportunity for many months as it has developed. The Juneau Economic Development Council Renewable Energy Cluster is very interested in participating in ideas and discussion for a Juneau proposal. I believe the Juneau Commission on Sustainability would also like to participate.

Some opportunities for Juneau to consider include:

1. 2022 diesel bus replacement with electric buses – this would be the replacement of 7 diesel buses and the purchase and installation of charging equipment.
2. Valley Transit Center - provide electric bus charging and public vehicle charging.
3. School bus replacement with electric buses.
4. Airport, D&H, Parks and Recreation and Utility Ground Support Equipment Replacement.

Staff will continue to follow the settlement process and AEA's work and report back to the PWFC as it progresses.


Engineering & Public Works Department

155 South Seward Street

Juneau, Alaska 99801

Phone: 907-586-0800 | Fax: 907-463-2606

DATE: January 29, 2018

TO: Loren Jones, Chair
Assembly PWFCFROM: Roger Healy, PE, Director
Engineering & Public Works Department

RE: Electric Bus Analysis - Update

Electric Bus Purchase

When state grant monies are finalized, an appropriation ordinance will be drafted to commit the \$408,000 of state match to the purchase of an electric powered transit bus. These monies will be supplemented by '5299' Transit monies and CBJ match funds to complete the purchase of the bus and associated infrastructure. With delivery approximately 18 months from completion of the purchase order, the CBJ should receive the electric bus in mid-2019. This time schedule will allow for design and construction of necessary infrastructure (charger, electrical upgrades, etc.). Transit staff are working with a bus manufacturer on bus options that would best integrate this bus in with our existing fleet.

Electric Bus Testing

This timeline will allow for testing of an electric bus in all of Juneau's weather conditions prior to the consideration of our FY2022 grant application for seven new buses. As discussed previously, the substitution of electric buses for existing fossil fuel powered buses is not a direct substitution given existing battery technology. Other transit agencies (i.e., Los Angeles and New York City) have completed studies and identified goals of moving away from either compressed natural gas (CNG) or diesel to all electric. However, these agencies recognize both the limitations of range and the cost of charging infrastructure. Los Angeles will make a 'go-no-go' decision on conversion from CNG (97% of their fleet) to electric in 2020. New York is proceeding with diesel bus purchase for 1436 transit buses (about a quarter of their fleet) between 2017 and 2020. The cost and availability of charging infrastructure is part of their consideration.

Under current routes, the longest CBJ bus routes have a single bus on the road between 8 and 10 hours traveling about 200 miles. Other routes (i.e., Douglas and commuter routes) travel less. To avail themselves to Federal Transit Administration (FTA) funding, bus manufacturers subject their buses to standardized, Federal Register designated, testing. The Altoona (Pennsylvania) Bus Research and Testing Center completes these tests and

provides reports. The Center tested a 40-foot E2 Proterra electric bus in 2017. This bus has the latest battery technology from Proterra.

<http://altoonabustest.psu.edu/buses/reports/480.pdf?1507120933>

Within the Executive Summary (page 4), the range of the bus under specific tests were identified, specifically 156, 159, and 204 miles under certain simulated transit routes, at 75 degrees F.

The arrival and testing of our electric bus in 2019 will also allow the CBJ to test under cold weather conditions. If cold, electric vehicle batteries are known to: not charge fully; and have a reduction in available range. Cold weather reductions of up to and exceeding 50% of vehicle range have been documented in the electric car industry. Continued cold weather testing of transit bus batteries will quantify this condition.

Improvements in battery technology are very likely. However, the available research suggests that direct replacement of an electric bus for a CBJ diesel bus will not work on all routes. This is not an insurmountable problem for partial or possible full implementation of an all-electric transit fleet, however, it is worthwhile to proceed prudently so that we do not reduce our primary goal: service to our transit customers.


Engineering & Public Works Department

155 South Seward Street

Juneau, Alaska 99801

Phone: 907-586-0800 | Fax: 907-463-2606

DATE: 1-29-18

TO: Loren Jones, Chair
Public Works and Facilities CommitteeFROM: Michele Elfers, Chief Landscape Architect
Engineering & Public Works Department

RE: Electric Vehicle Charging Infrastructure Location Evaluation and Management

CBJ operates and maintains four electric vehicle chargers in Juneau: Marine Parking Garage, Mendenhall Valley Public Library, Eaglecrest and Treadwell Arena. The FY18 CIP includes \$25,000 for the purchase and installation of additional charging stations. This memo addresses two issues related to this topic: evaluation of charging station locations for future installation and electric vehicle charger management.

I. Evaluation of Charging Station Locations: Four years ago a grant, private donations and CBJ funded the purchase and installation of seven chargers. The chargers were strategically located at the ends of the road system to reduce range anxiety. With the FY18 CIP funding and the JEVA offer to donate three Level 3 fast chargers for public use, the community and the Assembly need to evaluate additional locations for chargers. An appropriate goal for locating new chargers could be to select locations that will allow the most users to access the chargers, especially users that are unable to plug in at home.

The locations on the attached spreadsheet were identified by the public and stakeholder groups for evaluation from polling efforts, JEVA meetings, and outreach at the National Drive Electric week last fall. The costs are planning level costs and will be further refined in design development. Issues to consider in this analysis and funding decisions:

- Public and privately owned properties can both be considered for funding. For example public private partnerships could fund purchase and installation of Level 2 and 3 chargers at commercial centers.
- JEDC has proposed an idea to use CIP funding to create a grant or rebate program to incentivize the private sector to install charging stations. Some of the funding could be used to start this program.

II. Electric Vehicle Charger Management: As part of the decision making process for the CIP funding and for any future funding that may be allocated, the long term management of these stations should be addressed. Management issues include cost of providing power, assessment of fees, services provided to the user, data reporting on usage, power and maintenance, operations and maintenance needs, and future expansion of the charging system. Two options are discussed for management, a CBJ managed program and a professional EVSE Management Company based program which is becoming common in cities and universities around the country.

CBJ Permit Program - Currently, the EV chargers are managed, paid for and maintained by the department that manages the land; Parks and Recreation manages the Marine Parking Garage and Treadwell; Eaglecrest and the Library also manage stations. Equipment is purchased or donated based on the best available model at the best price at the time of installation, power usage is not metered or tracked, and the cost of the power is paid for out of the department/facility budgets.

Ordinance 2017-35 introduced to the Assembly on 11-27-17 would create a permit program to allow the public to charge vehicles at CBJ owned electric vehicle chargers with an annual fee of \$50. The ordinance also establishes fees for violations of the code including parking at a station with a permit, parking at a station while the vehicle is not actively charging, and altering, duplicating or misuse of a permit. The intent of the permit program is to recoup the costs of power for the charging of electric vehicles, pay for replacement costs of chargers, purchase and install new chargers, and manage the use of the stations.

The best available estimate is that the CBJ Level II stations cost about \$600 for electricity annually. The life span will vary depending if it is outdoor or indoor and the model installed but could be estimated at 8 years. With 200 EV owners in town, if 25% of the owners purchased an annual permit, the revenue to the city would be \$2500/year. This would pay for annual power costs and over the lifetime of the units some replacement costs, but may not fund the purchase and installation of new stations. Additional costs for CBJ staff to manage the program would be incurred.

Pros for Juneau:

- CBJ's existing stations can be managed under this program.

Cons:

- Costs are not tied to individual usage of chargers and so may or may not be appropriate as charger system changes and user volume changes.
- CBJ staff would be tasked with managing a program with little in house expertise.
- Likely that charger equipment would continue to be non-standardized making O&M support more costly and challenging.

EVSE Management Companies (ChargePoint, Greenlots) - Most of these companies make their money by selling the hardware and/or software and annual plan renewals. They take a transaction fee when it is charged at the station. There is no threshold on size of community/number of chargers. They have locations around the country where municipalities only have one charging station and they work with them. Services offered generally include the following:

1. Networked Stations are monitored remotely for service needed. Maintenance service is contracted through local partners. This requires wiring or cellular connection.
2. A software platform allows for owners (municipalities, businesses, residents) to monitor usage and mobile apps for membership and payment. It allows the owner (muni) to set pricing based on kwh, time used, or energy used and collect the fees.
3. Commercial Units can require credit card payment or a membership card to assess cost based on kwh, time used or energy used.
4. Standardized EVSE equipment (chargers) is sold by the companies, pricing is higher than if a unit is bought separately from the market.
5. Municipal Fleet EV charging service programs are offered where the software has accounts to track mileage and energy usage of individual drivers.
6. Monitoring of electrical load on facilities can be provided.

Pros for Juneau:

- If the chargers for public use continue to increase around Juneau, these companies provide a convenient and user friendly service for the public. Chargers owned by the municipality and private owners can be networked for users with fees and managed separately.
- Fee assessment can be based on usage factors.
- Standardized equipment and maintenance will reduce O&M costs and time for repairs (standard parts can be stored locally). The manufacturer of the chargers in the MPG no longer makes EVSE equipment and so replacement parts may be difficult to find for repair.

Cons:

- Increased cost- the charger units can cost 2-3x more than buying them off the shelf and the service plans cost approximately \$200-\$300 annually.
- CBJ's existing stations and any donated Level III stations will not be covered under these networks. When it is time to replace the stations, in network stations will be purchased.
- To receive the services, stations will have to be wired for internet connectivity or use cellular data which can raise costs.

III. Conclusion and Request for Comments/Action: Comments on the charger locations and the Committee's interest in pursuing public private partnership options for the \$25,000 CIP would help to guide staff. The Committee may choose to also address the management options for the chargers in regards to a CBJ managed program or a professionally managed program. It would be helpful to identify the goals of management to help guide this decision. For example, goals may include recovering power costs, raising funds for new stations, providing convenience for users, building a program that allows for expansion and integration with municipal fleet chargers and private chargers, or minimizing costs to the public.

EV Charger Priority Evaluation, 1/29/18

Name	Access and Users					Process/Decision Timeline	# L1 EVSE	# L2 EVSE	# L3 EVSE	CBJ Managed		Software Management Company	
	Customers	Government	Commercial	General Public	Avg Score					Install and Purchase Cost	Annual Operating Cost	Install and Purchase Cost	Annual Operating Cost
Downtown Transit Center - 1st floor	Shoppers, employees, taxis, tourism, multi unit housing	8	10	8	9	short	0		1	\$ 2,500	\$ 5,000	Donated/NA	
Downtown Transit Center-2nd floor	Shoppers, employees, taxis, tourism, multi unit housing	8	10	8	9	short	0	1		\$ 10,000	\$ 600	\$ 10,750	\$ 850
Downtown Transit Center- Shopper's Lot	Shoppers, employees, taxis, tourism, multi unit housing	8	10	8	9	short	0	1		\$ 138,750	\$ 25,000	\$ 113,750	\$ 25,250
Fred Meyer	Shoppers	1	10	10	7	medium	0		2	\$ 40,000	\$ 17,500	Donated/NA	
Fred Meyer	Shoppers	1	10	10	7	medium	0		2	\$ 28,200	\$ 17,500	Donated/NA	
Whittier St at Coast Guard spur	Shoppers, employees, taxis, tourism, multi unit housing	5	8	8	7	long	0	1	1	NA	\$ 10,000	NA	
Juneau District temp location	Shoppers, employees, taxis, tourism, multi unit housing	5	8	8	7	long	0	1	1	NA	\$ 10,000	NA	
IGA parking lot	Shoppers, taxis, employees	2	10	8	7	medium	0	1		NA	NA	NA	
Safeway	Shoppers, some housing development nearby	1	8	10	6	medium	0		2	\$ 36,000	\$ 10,000	Donated/NA	
Costco	Shoppers	1	10	5	5	medium					\$ 10,000	Donated/NA	
Overstreet Park	Employees, Douglas, multi unit housing, taxis, tourism	5	2	8	5	short	0		1	\$ 6,250	\$ 10,000	Donated/NA	
Airport	Travelers/taxis/destination	5	5	4	5	long					NA		
Glacier Valley Fire Department	Destination	5	4	4	4	short			1		\$ 10,000		
Douglas Library	Employees, library users	5	3	5	4	short	0	1		\$ 7,500	\$ 600	\$ 8,750	\$ 850
UAS Auke Lake Campus	Students - renters/multi unithousing	5	1	6	4	short	0		1	\$ 11,200	\$ 10,000	Donated/NA	
UAS Auke Lake Campus	Students- renters/multi unit housing	5	1	6	4	short	0		1	\$ 6,200	\$ 10,000	Donated/NA	
Bartlett Regional Hospital	Employees, patients	5	1	6	4	medium	0	1		\$ 5,625	\$ 600	\$ 7,250	\$ 850
Statter Harbor	Harbor users, taxis, shoppers	1	3	7	4	short	0	1		\$ 6,875	\$ 600	\$ 8,250	\$ 850
Gold Rush Days Grandstand	Destination, park and harbor users	2	2	4	3	short	0	1		\$ 8,750	\$ 600	\$ 8,750	\$ 850
8th St parking lot	Multi Unit housing	1	1	4	2	short	0	1		\$ 6,500	\$ 600	\$ 8,950	\$ 850
Eaglecrest	Destination, Eaglecrest users	2	1	2	2	short	0	1		\$ 26,250	\$ 1,000	\$ 23,750	\$ 1,250



Engineering & Public Works Department

155 South Seward Street

Juneau, Alaska 99801

Phone: 907-586-0800 | Fax: 907-463-2606

DATE: January 24, 2018

TO: Loren Jones, Chair
Public Works and Facilities Committee

FROM: John Bohan, Chief CIP Engineer and Water Superintendent

SUBJECT: Draft FY 19 CIP Resolution

Attached is the draft FY 2019 CIP Resolution for the Committee's information.

Since the CIP is an important part of the Committee's work, we are providing this early draft so that the Committee will have time to review and consider the project list. Please note the Marine Passenger Fee Projects are preliminary and out for Public Comment at this time and will be updated after the comment period is closed and the Manager's office finalizes the projects and amounts.

For historical reference, last year's 6 Year CIP can be found on the web at:

<http://www.juneau.org/engineering/CIP/documents/FY2018-FY2023.php>

At the next PWFC meeting on February 26, we will schedule this as an action item and will request that the Committee forward the CIP to the Finance Committee. At that meeting, we will provide copies of a full draft of the 6 Year CIP.

Presented by: The City Manager
 Introduced: #### 2018
 Drafted by: Engineering & Public Works Department

RESOLUTION OF THE CITY AND BOROUGH OF JUNEAU, ALASKA

Serial No. 2819

A Resolution Adopting the City and Borough Capital Improvement Program for Fiscal Years 2019 Through 2024, and Establishing the Capital Improvement Project Priorities for Fiscal Year 2019.

WHEREAS, the CBJ Capital Improvement Program is a plan for capital improvement projects proposed for the next six fiscal years; and

WHEREAS, the Assembly has reviewed the Capital Improvement Program for Fiscal Year 2019 through Fiscal Year 2024, and has determined the capital improvement project priorities for Fiscal Year 2019.

NOW, THEREFORE, BE IT RESOLVED BY THE ASSEMBLY OF THE CITY AND BOROUGH OF JUNEAU, ALASKA:

Section 1. Capital Improvement Program.

(a) Attachment A, entitled "City and Borough of Juneau Capital Improvement Program, Fiscal Years 2019 - 2024," dated June 1, 2018, is adopted as the Capital Improvement Program for the City and Borough.

(b) The following list, as set forth in the "City and Borough of Juneau Capital Improvement Program, Fiscal Years 2019 - 2024," are pending capital improvement projects to be undertaken in FY19:

FISCAL YEAR 2019		
GENERAL GOVERNMENT FUNDING IMPROVEMENTS		
DEPARTMENT	PROJECT	FY19 BUDGET
School District	School District Deferred Maintenance	\$ 600,000
	General Government Funding Improvements Total	\$ 600,000
FISCAL YEAR 2019		
GENERAL SALES TAX IMPROVEMENTS		
DEPARTMENT	PROJECT	FY19 BUDGET
Eaglecrest	Deferred maintenance /Mountain Operations Improvements	275,000
Parks & Recreation	Park & Playground Repairs AND maintenance	270,000
Parks & Recreation	Sports Field Resurfacing & Repairs	80,000
Parks & Recreation	Capital School Park Ret. Wall design & Short term repairs	200,000
Parks & Recreation	Deferred Building Maintenance - Downtown Library Windows	175,000
	General Sales Tax Improvements Total	\$ 1,000,000

**FISCAL YEAR 2019
AREAWIDE SALES TAX PRIORITIES**

DEPARTMENT	PROJECT	FY19 BUDGET
Managers Office	Vehicle and Equipment Wash Bays	1,150,000
Street Maintenance	Pavement Management	1,200,000
Street Maintenance	Areawide Drainage Improvements	250,000
Street Maintenance	Mc Ginnis Subdivision Improvements - Ph 4 (Heron)	1,000,000
Street Maintenance	Downtown Street Improvements Phase III	1,100,000
Street Maintenance	Gold Creek Flume Repairs	300,000
Street Maintenance	Sidewalk and Stairway Repairs	300,000
Street Maintenance	Birch Lane Improvements Ph 2 - Mendenhall to Dogwood	1,000,000
Street Maintenance	Columbia and Poplar reconstruction	2,100,000
Capital Transit	Bus Shelters / Valley transit center	400,000
Capital Transit	Install Electric Bus Charger at Bus Barn (20% Match for FTA)	100,000
Engineering	Contract Specification and Contract Language update	90,000
Parks & Trail Maintenance	Christopher Trail - Cope Park to Flume	90,000
Parks & Trail Maintenance	Crow Hill Trail - Gast School to Crow Hill Road	20,000
Areawide Sales Tax Priorities Total		<u>\$ 9,100,000</u>

**FISCAL YEAR 2019
TEMPORARY 1% SALES TAX PRIORITIES
Voter Approved Sales Tax 10/01/13 - 09/30/18**

DEPARTMENT	PROJECT	FY19 BUDGET
Manager's Office	Bonded Debt Service	1,040,000 *
Manager's Office	Budget Reserve	400,000 *
Manager's Office	IT - Infrastructure Upgrades	\$ 400,000
Hospital	Rainforest Recovery Center Upgrades	585,000
Parks & Recreation	Deferred Building Maintenance	380,000
Parks & Recreation	Deferred Building Maintenance - Arboretum Building Repairs	120,000
Public Works	Waste - RecycleWorks Waste Diversion Program	200,000
Temporary 1% Sales Tax Priorities Total		<u>\$ 3,125,000</u>

**FISCAL YEAR 2019
TEMPORARY 1% SALES TAX PRIORITIES
Voter Approved Sales Tax 10/01/18 - 09/30/23**

DEPARTMENT	PROJECT	FY19 BUDGET
Manager's Office	IT - Infrastructure Upgrades	\$ 400,000
Manager's Office	Housing	400,000
Public Works	Wastewater Infrastructure Maintenance	2,000,000
Parks and Recreation	Building Maintenance	500,000
School District	JSD Buildings Major Maintenance / Match	800,000
Hospital	BRH - Rainforest Recovery Center Upgrades	1,800,000
Public Works	Waste - RecycleWorks Waste Diversion Program	200,000
Temporary 1% Sales Tax Priorities Total		<u>\$ 6,100,000</u>

FISCAL YEAR 2019**MARINE PASSENGER FEE PRIORITIES (draft -out for public comment)**

DEPARTMENT	PROJECT	FY19 BUDGET
Manager's Office	Public/Private Port Infrastructure Plan	\$ 150,000
Port of Juneau	Visitor Information Kiosk Replacement	150,000
Port of Juneau	Downtown Restroom Construction (new)	500,000
Port of Juneau	Small Cruiseship Moorage Master Planning	150,000
Engineering	Downtown Sidestreets Phase III	900,000
Engineering	Downtown Wayfinding and Interpretive Signs	450,000
Engineering	Seawalk Major Maintenance	85,000
Engineering	Seawalk Next Phases	250,000
Marine Passenger Fee Priorities Total		\$ 2,635,000

FISCAL YEAR 2019**STATE MARINE PASSENGER FEE PRIORITIES**

DEPARTMENT	PROJECT	FY19 BUDGET
Docks And Harbors	Archipelago Property (Acquisition and Development)	\$ 5,750,000
State Marine Passenger Fee Priorities Total		\$ 5,750,000

FISCAL YEAR 2019**WATER ENTERPRISE FUND**

DEPARTMENT	PROJECT	FY19 BUDGET
Water Utility	Birch Lane - Mendenhall to Dogwood	\$ 100,000
Water Utility	Columbia and Poplar reconstruction	220,000
Water Utility	Lee Street Pump Station Replacement	500,000
Water Utility	Salmon Creek Filter Plant upgrades (ADEC Grant Match)	100,000
Water Utility	Crow Hill and Cedar Park PS Control Updates	300,000
Water Utility	Pavement Management Utility Adjustments	20,000
Water Utility	ADOT Project Utility Adjustments	45,000
Water Utility	Last Chance Basin underground fuel tank removal and reloc.	215,000
Water Utility	Area-wide Watermain Repairs	100,000

Water Enterprise Fund Total **\$1,600,000**

FISCAL YEAR 2019**WASTEWATER ENTERPRISE FUND**

DEPARTMENT	PROJECT	FY19 BUDGET
Wastewater Utility	Gruening Park Pump Station Replacement	\$ 800,000
Wastewater Utility	Birch Lane - Mendenhall to Dogwood	100,000
Wastewater Utility	Columbia and Poplar reconstruction	220,000
Wastewater Utility	Kaiser Force-main Replacement (Mendenhall River erosion)	1,000,000
Wastewater Utility	Anode replacement on under ocean portion of Outer Drive FM	250,000
Wastewater Utility	JDTP Infrastructure Improvements (Building structural impvts)	1,000,000
Wastewater Utility	McGinnis S/d -Heron way manhole adjustments	15,000
Wastewater Utility	Calhoun Sewer replacement W8th to Gold Ck	50,000
Wastewater Utility	JDTP Vactor Dump/decant fac. and grit handling imprvmnts	125,000
Wastewater Utility	JD Clarifier and Digester tank Floor improvements	225,000
Wastewater Utility	Pavement Management Utility Adjustments	20,000
Wastewater Utility	ADOT Project Utility Adjustments	40,000

Wastewater Enterprise Fund Total **\$ 3,845,000**

**FISCAL YEAR 2019
DOCKS AND HARBORS ENTERPRISE FUND**

DEPARTMENT	PROJECT	
Docks	Auke Bay Passenger for Hire - Cost Share	\$ 690,000
Harbors	Statter Harbor Breakwater Safety improvements	333,000
Harbors	Areawide Anode Installation Matching Funds	300,000
Harbors	ABMS D&H/UAS Cost Share Agreement	350,000
Harbors	Cost Share with ACOE for Breakwater Feasibility	500,000
Docks and Harbors Enterprise Fund Total		\$ 2,173,000

**FISCAL YEAR 2019
LANDS FUND**

DEPARTMENT	PROJECT	
LANDS	Pits and Quarries Infrastructure Maintenance and Expansion	\$ 150,000
LANDS Fund Total		\$ 150,000
ORDINANCE 2018-XX CAPITAL PROJECTS FUNDING TOTAL		\$ 20,770,000

ORDINANCE 2018-XX OPERATIONS PROJECTS FUNDING TOTAL **\$ 1,440,000 ***

(c) The following list, as set forth in the "City and Borough of Juneau Capital Improvement Program, Fiscal Years 2019-2024," are capital improvement projects identified as priorities proposed to be undertaken beginning in FY19, but are dependent on other unsecured funding sources. As the sources are secured, the funds will be appropriated:

**FISCAL YEAR 2019
HOSPITAL UNSCHEDULED FUNDING**

DEPARTMENT	PROJECT	
Hospital	Robert F. Valliant Building Siding Replacement	\$ 300,000
Hospital	Medical Arts Building Roof Replacement	400,000
HOSPITAL Funding Total		\$ 700,000

**FISCAL YEAR 2019
AIRPORT UNSCHEDULED FUNDING**

DEPARTMENT	PROJECT	
Airport	Design/Const. passenger Boarding Bridge gate 2	\$ 2,000,000
Airport	Design/Const. Terminal Reno Ph 2 including Dep Lnge exit lane	1,300,000
Airport	Design SREF Phase 2 Sand/Chemical Storage/Fuel	300,000
Airport	Space Reconfig - old Dining Room/Kit. for Admin & Tenants	250,000
Airport	Design&Install Terminal Camera Surveillance System	200,000
Airport	26 MALSR (FAA F&E Project)	3,750,000

Airport Unscheduled Funding Total **\$ 7,800,000**

UNSCHEDULED FUNDING REQUESTS

DEPARTMENT	PROJECT	
Eaglecrest	Upper Loop overnight Cabin	\$ 50,000
Eaglecrest	Snowmaking Pumping Station	250,000
Unscheduled Funding Total		\$ 300,000

Section 2. Fiscal Year 2019 Budget. It is the intent of the Assembly that the capital improvement project budget allocations as set forth in the FY19 pending Capital Improvements List in Section 1(b), above, not already appropriated, shall become a part of the City and Borough's Fiscal Year 2019 Budget.

Section 3. State and Federal Funding. To the extent that a proposed CIP project, as set forth in Section 1(c), above, includes state funding, federal funding, or both, the amount of funding for that project is an estimate only, and is subject to appropriation contingent upon final funding being secured. It is the intent of the Assembly that once funding is secured, these items will be brought back to the Assembly for appropriation.

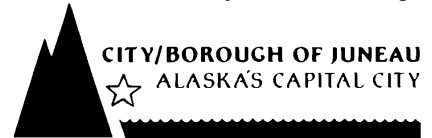
Section 4. Effective Date. This resolution shall be effective immediately upon adoption.

Adopted this ____ day of _____, 2018.

Mayor

Attest:

Laurie Sica, Clerk

MEMORANDUM

TO: Roger Healy, P.E.
Engineering & Public Works Director

FROM: Greg Smith
Contract Administrator

Date: January 24, 2018

SUBJECT: Contracts Division Activity
January 4, 2018 to January 24, 2018

Current Bids – Construction Projects >\$50,000

BE18-033	JNU Gate 2 Passenger Boarding Bridge	Estimate \$2.16 mil. Bids due 2/6/18.
BE18-025	Pederson Hill Subdivision, Phase 1	Estimate \$3 mil. Bids due 11/16/17. 5 bids received. Coogan Construction low bidder. Assembly approved 11/27/17. Award in progress.
BE18-098	Downtown Street Improvements – Phase II	Estimate \$1,979,000. 5 bids received. CBC Construction low bidder, \$1,736,902.50. NTP issued 1/19/18.
BE18-081	Sayèik Gastineau Community School Native Burial Ground Monument	Estimate \$110,000. Island Contractors, low bidder, \$93,236. NTP issued 1/10/18.
DH18-039	Harris Harbor Restroom/Shower Renovation	Estimate \$100,000. Bids due 2/6/18.
DH18-027	CBJ Downtown Waterfront Facilities Corrosion Control Project	Estimate \$181,000. Bids due 1/31/18.
BE18-140	McGinnis Subdivision Paving, Phase III – Steelhead Street	Estimate \$765,000. Bids due 2/15/18.

Current RFP's – Services

RFP E18-135	Design Services for Salmon Creek Water Filtration Plant Improvements	Proposals due 12/12/17. 1 proposal received Carson Dorn. Negotiations underway 1/9/18.
CFA E18-080	Design and Production of a Fire Dish (Art) for the Native Burial Ground Monument at Sayèik Gastineau Community School	Nicholas Galanin, \$15,000. NTP issued 1/11/18.
RFP E18-158	Design Services for Downtown Wayfinding and Interpretive Element	Proposals due 1/11/18. 10 Responses received. Evaluation underway.
RFP E18-147	Rainforest Recovery Center Detox Addition	Proposals due 12/6/17. 2 proposals received. Evaluation underway. JYL successful proposer. Negotiations underway.
RFP E18-157	CA & Inspection Services for Pederson Hill Subdivision	Proposals due 12/19/17. 4 proposals received. Wilson Engineering successful proposer. Negotiations underway.
CFA E18-190	Design of Banners for Downtown Streets	Proposals due 2/13/18.
RFP E18-164	Term Contract for Electrical Work	Proposals due 2/21/18.
RFP E18-151	Planning, Design, & CA Services for Phase 2 Terminal Reconstruction	Proposals due 1/18/18. 5 proposals received. Under evaluation.

Other Projects – Professional Services – Contracts, Amendments & MR's >\$20,000

RFP E18-130	Contract – Design Services for D and H Streets, Douglas Pavement and Drainage Improvements	proHNS, \$60,524. Notice to Proceed issued 1/19/18.
RFP E17-180	A1 – CA & Insp Services for CBJ Headworks Improvements	DOWL, \$103,283. NTP issued 1/24/18.
RFP E15-276	A7 – Design McGinnis Subdivision Paving, LID 62	DOWL, \$48,855. NTP issued 1/11/18.
RFP E18-119	A2 – Design Services for Maier Drive Force Main Replacement	PND, \$85,320. Routing for signatures.
RFP E18-101	Design & CA for DZ and Marie Drake Schools HVAC Control Upgrade	PDC Engineers, \$91,077. Routing for signatures.

Construction Change Orders (>\$20,000)

BE17-177	CO 1 – East Street Reconstruction	Southeast Earthmovers, \$28,935.85. Processing 1/16/18.
BE17-139	CO2 – Blueberry Hills Reconstruction	Arete Construction, \$71,925.27. Bonding letter sent 1/11/18.
E15-237	CO5 – Cope Park Phase 2 Improvements	Glacier State Contractors, \$43,679.05. Bonding letter sent 1/10/18.
E16-010	CO1 – Dunn Street Paving	Arete Construction, \$25,421. Bonding letter issued 1/17/18.
BE17-033	CO3 – CBJ Headworks Improvements	Carver Construction, \$116,366.60. Bonding letter issued 1/23/18.
BE17-150	CO2 – Glacier Avenue and Stikine Street Paving	SECON, \$39,357.50. Processing.

MR E17-166 – Term Contract for Professional Services. This solicitation is open for the next three years. Consultants continue to submit proposals. Contracts are in progress and underway.

Key for Abbreviations and Acronyms

A	Amendment to PA or Professional Services Contract
CA	Contract Administration
CO	Change Order to construction contract or RFQ
MR	Modification Request – for exceptions to competitive procurement procedures
NTE	Not-to-exceed
NTP	Notice to Proceed
PA	Project Agreement - to either term contracts or utility agreements
RFP	Request for Proposals, solicitation for professional services
RFQ	Request for Quotes (for construction projects <\$50,000)
RSA	Reimbursable Services Agreement
SA	Supplemental Agreement