

City and Borough of Wrangell Port Commission AGENDA

Thursday, November 03, 2022 6:00 PM Location: Borough Assembly Chambers City Hall

WORK SESSION

Date and Time

- **1. CALL TO ORDER**
- 2. ROLL CALL
- 3. APPROVAL OF MINUTES (<u>MOTION</u> Move to approve the Minutes, as presented)
 - <u>a.</u> 10-10-22
- 4. AMENDMENTS TO THE AGENDA
- **5. CORRESPONDENCE**
- 6. PERSONS TO BE HEARD
- 7. HARBORMASTER'S REPORT
 - <u>a.</u> Harbormaster Report November 2022

8. COMMISSIONER REPORTS

9. UNFINISHED BUSINESS

- a. Surveillance System Update October 2022
- b. Insurance Discussion

10. NEW BUSINESS

- a. APPROVAL TO AMMEND PORTS AND HARBORS FEE SCHEDULE O. HOIST \$30.60 AN HOUR TO \$30.00 AN HOUR FOR 5 YEARS
- b. Micony, LLC request to purchase tidelands Parcel 02-026-301 Lot 6 of Block 84D (28,936 square feet) and Parcel 02-026-303 Lot 7 of Block 84D (8766 square feet.

11. NEXT AGENDA ITEMS

12. ADJOURN

ltem a.

Minutes of the Regular Wrangell Port Commission Meeting

Held October 10, 2022

Vice Chairman John Yeager called the Regular Port Commission meeting to order at 6:03p.m. June 2nd, 2022, via Borough Assembly Chambers

PRESENT: Yeager, Buness, Davies, Morrison ABSENT: Martin

Harbormaster Steve Miller was also in attendance.

APPROVAL OF MINUTES

a. Approval minutes from meeting September 1st, 2022

M/S: Buness/Morrison to approve the minutes, as presented. Motion approved unanimously.

AMENDMENTS TO THE AGENDA

CORRESPONDENCE/PERSONS TO BE HEARD -

Channel Construction

HARBORMASTER'S REPORT

Steve- Two Employees have left or are in the process of moving on, Jacob Allen moved to another job within the city, as Chris Smith is leaving on the 18th to a new venture down south. Blaine in the mean time is filling the gaps left by the open positions.

Winter is on its way, as preparations are being made such as finishing power washing the harbors, cleaning areas, and notices to the public. Summer Floats are out, water lines are done and fixed a problem with the light bulbs in heritage.

Cruise Ship Season is officially over and the city has seen 9494 passengers' wharfage in the town which has generated 41,200 dollars in revenue this year. Also, the Marine Service Center is full and Storage for boats is at capacity.

COMMISSIONER REPORTS

Buness- None

Morrison-None

Davies- Worried about boats that haven't been serviced for years I.e., that have not been taken care of in a great deal of time. Also brings up if insurance for everyone in the harbor in case of future problems. Yeager- none

UNFINISHED BUSINESS-

Channel Construction Inc Request to lease six acres of City & Borough of Wrangell Property at 6-mile mill property.

Morrison thinks a 3-month lease to possible long term lease a good solution. Yeager agrees on 3-month lease but still questions if this is port, or city ran. He wants more information and answers but is comfortable with a 3-month lease but nothing else. Buness thinks this is a good compromise.

M/S: Buness/Morrison motion moves to approve discussion. Motion Denied to discuss. M/S Buness/Davies Motion to amend to lease 2 acres. Motion approved.

Motion was passed to lease 2 acres of land for 3 months and afterwards month to month.

NEW BUSINESS -

NEXT AGENDA ITEMS -

The next Regular meeting November 3, 2022 Update on Security Cameras.

Regular meeting adjourned at 6:50pm

HARBORMASTERS REPORT NOVEMBER 2022

Harbors: We have hired Geoffrey Stokes and Chris Martin. Both new employees have a background in marine industries. Geoffrey brings many years of experience from the fishing and boating industry, while Chris brings almost 15 years of marine service center experience. Geoffrey started on October 18th and Chris will be hitting the docks on November 7th just in time to help with winter snow removal, and training to be ready for the spring of 2023.

City department heads met on October 18th for a full day collaboration workshop. We covered everything from organization structure, grant funding, web development, to capital improvement projects. We will be holding these workshops quarterly to help us all stay focused, and to help keep projects moving forward.

Marine Service Center: The marine service center remains busy and running at capacity. We recently had a vessel broken into with many items stollen. We are working with the owner and the police department to identify any suspects that may have been seen in the yard at the time of the theft. Some items have been recovered and we are waiting to see if there will be any charges. If the person is found guilty, we will be issuing a trespass from the marine service center as well.

Ports: As we are at the slow season for the ports, we still have our weekly barge service which is about all that takes place from October to May. The barge ramp is working great with the repairs that were made earlier this year. We are continuing to search for grants that will help pay for replacement of the barge ramp. This is roughly \$18M project that we may get lucky with some of the infrastructure money coming through. They will be distributing this money over the next five years. Most of this money comes to the state and is dispersed through state grants.

General Maintenance Schedule

Spring- (following thaw)

- start pressure washing floats
- pressure wash and repair the summer floats prior to installation
- re-nail float decking where pulled from movement or snow plow
- repair or replace non-skid material on gangways and floats where necessary
- stray current checks
- fire equipment maintenance
- clean garbage throughout facilities
- Clean and install summer floats
- Prep City Dock for arrival of cruise ships

Summer-

- grease hoists and repair as necessary
- repair any unfinished projects from previous fall
- make new list of projects and complete on a worst first priority

Fall-

- pull summer floats for the season
- pressure wash bad spots on all floats prior to first frost
- clean all facilities in preparation of winter snow
 - Clear floats of boater's totes, fishing gear, coolers, hand trucks etc.
 - Clear floats of electrical cords, hoses, and moorage lines prior to snow removal.
- fire equipment maintenance
- repair or replace non-skid material on gangways and floats where necessary
- stray current checks
- check auto drain valves on water lines

Winter-

- weather permitted repairs
- clean up and organize shop areas
- snow removal, sand and salt as needed
- stray current checks

Routine Checks

Harbor staff walks facility daily performing security and inventory. Staff will perform a visual inspection and will be noting deficiencies and repairing safety issues immediately. Other less immediate issues will be scheduled for repair.

Throughout the year items such as the hoists, fire equipment, waterlines, barge ramp and water pumps are routinely checked and maintained.

Item a.

General Maintenance Policy

This manual was developed by the Wrangell Harbor Department for the purpose of establishing guidelines for ongoing port and harbor maintenance and operations.

It is the policy and intent of the Wrangell Harbor Department to maintain the City and Borough of Wrangell floats, piers, and other facilities in a safe, clean and functional level.

Inspection of all port and harbor facilities should take place on a regular and periodic basis to ensure all components are in a safe working condition.

With limited funds it is understood that repairs and replacements will be done in a "worst first" method.

The maintenance employee is also the individual who meets with transient vessels, cruise ships.

Floats, Docks, and Piers: Repair the obvious damages or deficiencies as found or reported. Complete major repairs or replacements on a worst first schedule as time weather and funds permit. The wood floats and piers should be checked for rotten bull rails, decking, handrails, and cross bracing. Hinges and cleats should be tightened or replaced when deficient. The whalers on the concrete floats need to be replaced when broken. Change bumpers when necessary. Add floatation to keep floats as level and safe as possible.

Shore Power: Any and all electrical components of the port and harbor facilities will be repaired either by the city electrical department or commercial electricians. Harbor personnel will note deficiencies and report them to the Harbormaster. Replace worn receptacles as needed. Replace switch covers as needed for safety.

Water systems: Inspect domestic water lines for leaks, breaks or faulty faucets. Water is used daily by customers and is easily monitored for issues. Fire hookups are included in the domestic water main so insuring proper water pressure is necessary for fire protection.

Grids: The grids will be pressure washed at least annually to keep growth to a minimum. Water lines will be turned off in the winter and only turned on when needed

until the spring thaw. Handrails and non-skid material will be repaired and replaced as needed. Debris and garbage will be cleaned and taken to landfill when necessary.

Boat yard, Parking lots, container yard: Repair fencing as needed and keep gates functional. Grade surfaces and fill potholes as needed. Water during dry spells in summer for dust control.

City Dock: Inspect green navigation lights and streetlights to ensure proper working condition. Inspect piling wraps to ensure pilings are protected. Remove camel logs prior to winter and following cruise ship season.

Barge ramp: Annual maintenance to compressor. Airlines as needed (new fall 2010). Replace beach line as needed (new spring 2014). Hose off mud and rocks as needed.

Hoists: Clean and grease at least quarterly but as needed. Change hoses, fittings, wire, and hooks as needed. Certify annually.

Small equipment: (water pumps, saws and hand tools) Oil changes, cleanings and test runs done annually. Repairs and replacement as needed.

Large equipment: (Travelift, loader, trailer, and vehicles) Annual maintenance performed by city mechanics. Inspections, light maintenance (grease) performed routinely by operator. Wire inspection conducted at least quarterly. Every 2 years professional inspection and machine maintenance by industry technician.

Fire Equipment: Inspect fire extinguishers at least quarterly and have them certified annually. Biannual drills to ensure staff understands the operation of the equipment. Fire equipment includes, wheeled dry chemical extinguishers, 20-pound dry chemical extinguishers, 1 ½ inch fire hose hookup on the domestic water lines and compressed air foam extinguishers.

Office equipment: Computers, printers, radios etc. repaired and replaced as needed.

Parking lots: Maintain working relationship with Police Department to ensure regulations are being followed and public works Department to make sure maintenance is taking place.

Used oil collection tanks: Inspect daily and clean regularly. Empty oil when needed.

Boat launch areas: Daily inspections to ensure logs and debris are removed from ramps, repair float as needed and maintain functional parking area. Keep garbage cleaned up from parking lot. Keep parking lines painted to maintain orderly parking. Issue annual and daily launch permits.





Project Name	Wrangell P&H Surveillance
Project Address	Wrangell, AK
Client	Wrangell Ports and Harbors
Project Number	10296.22003-WRG_P&H_Surveil
Date	October 10, 2022

PROJECT BACKGROUND

The purpose of this project is to design a new surveillance system for all city-owned docks and harbors presently owned and operated by the City of Wrangell.

PROGRESS

The following work has been progressed:

- / The project site has been visited to inspect and confirm existing conditions, including power and telecom sources.
- / The overall requirements of the project have been coordinated with the client.
- / Research has been conducted to define camera types and parameters for each site. Several camera manufacturers have been researched to confirm manufacturing standards.
- / A preliminary set of drawings has been drafted and QC reviewed.
- / The preliminary narrative to accompany the drawings has been drafted and submitted for QC review. The narrative describes camera types and attributes for each site as well as a description of the means to provide power and telecom to each device.

PROJECT SCHEDULE

We are presently twelve weeks into the project schedule. With the narrative still in the QC phase, this puts us nine weeks behind schedule. After the narrative QC review is finished, the concept design narrative and drawings will be provided to the owners for review. During the owners' review, we plan to accelerate the design schedule by designing details and circuiting on the drawings that will not be impacted by owner review comments.



WRANGELL DOCKS AND HARBORS SURVEILLANCE CAMERA SYSTEM

PREPARED BY Kyle Drapeaux, PE

RESPEC 9109 Mendenhall Mall Road Suite 4 Juneau, Alaska 99801

PREPARED FOR Wrangell Docks and Harbors Shakes Street Wrangell, AK 99929

OCTOBER 2022

Project Number I0296.22003



EXECUTIVE SUMMARY

RESPEC was contracted by the City of Wrangell to design a city-wide surveillance network to monitor and record activities at each dock, harbor, and the marine center owned by the city. Each dock is designed to be equipped with one or more surveillance cameras and a wireless connection to the surveillance server. The surveillance server is designed to be located at the harbormaster office. All other docks and harbors are designed to communicate with radios to a central antenna located at the Reliance Dock, adjacent to the harbormaster office. Heritage and Shoemaker harbors are designed to communicate with the surveillance server with cellular connections as they do not have line-of-sight with the Reliance Dock.

The cameras are designed to be stationary dome type or multiple sensor type. The camera parameters will be specified to operate with minimal maintenance in typical Wrangell weather conditions all year, and to record clear video footage in lightless conditions and in very high definition.

The surveillance system will allow for remote monitoring of all cameras from the surveillance server in the harbormaster office. It will be possible to record and export video data from all cameras.



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1.0 NETWORK

A new wireless network will be provided to allow radio communication to the harbors with a line-of-sight view of the Reliance Harbor Crane Dock and new cellular communications will be provided to Heritage Harbor and Shoemake Bay. This method will provide a surveillance system with minimal maintenance and as few subscription charges to the owners as possible.

1.1 PRELIMINARY DESIGN

The harbormaster office will be utilized to house the surveillance system server/network video recorder (NVR) and a desktop computer equipped with the surveillance software. The desktop computer will provide access to all surveillance cameras and their functions and will allow video data sharing for other authorities. The surveillance system will be programmed to record video data to the NVR and utilize motion detection, data compression, and other methods to reduce the amount of transferred data. The surveillance software will require contract subscription payments, but the radio system will not.

An omni-directional antenna mounted to a light pole on the Crane Dock will be circuited with an ethernet cable to the NVR. This antenna will provide connectivity to all surrounding harbors with line-of-sight to the Crane Dock. The remaining harbors, Heritage Harbor and Shoemaker Bay, will be equipped with cellular antennas and modems to provide connectivity to the harbormaster office via the internet. The cellular connections will require contract subscription payments.

Equipment	Quantity	Location	Nominal Parameters
Network Video Recorder (NVR)	1	Harbormaster Office	24TB, 700 Mbps Recording Rate, 2x8GB DDR4 Memory, Solid State Drive, Intel 8-Core Xeon CPU
Surveillance Software	1	Harbormaster Office	Surveillance software with the cameras shall be provided from a single supplier. Software shall include: Perpetual licenses with three year support and upgrades. Non- proprietary video data exportation.
Desktop Computer	1	Harbormaster Office	Basis-of-Design: DELL Desktop 3090 256 GB HDD, Desktop Monitor, Keyboard, Mouse
Uninterruptible Power Supply (UPS)	1	Harbormaster Office	Basis-of-Design: APC Back-UPS 1500, 1.5kVA

Table 1-1. Harbormaster Office Equipment

2.0 PRIORITY 1: RELIANCE HARBOR

Reliance Harbor is adjacent to the harbormaster office. The Reliance Dock is equipped with (2EA) cranes which will be monitored to observe crane operations. This dock is referred to as the "Crane Dock" in the contract drawings and in this narrative. A gangway runs from the Crane Dock to the marina below. The top of the gangway will be monitored to observe pedestrian movements in and out of the marina. Adjacent to the Crane Dock is a float plane dock, which will be monitored to observe float plane activities. A set of dumpsters near the harbormaster office will also be monitored to observe what materials are deposited into them.

2.1 PRELIMINARY DESIGN

A light pole is presently located at the north side of the Crane Dock. A multi-sensor camera and an omni-directional antenna will be mounted to the top of the light pole. The height of the light pole will allow for a proper viewing angle of the cranes, gangway, and float plane dock. The height of the light pole will also provide a location for the omni antenna to receive video data from other docks and harbors with line-of-sight to the Crane Dock.

A cabinet containing the associated camera and radio equipment will be located at the east side of the dock, next to the utility pole and electrical service gear. A new conduit with data cables will be routed underneath the Crane Dock from the light pole to the cabinet. Presently, a conduit with telecom utility cables is routed from the service gear to the harbormaster office. If allowed by the telecom provider, this conduit will be utilized to route a data cable from the cabinet to the surveillance server. If not allowed, a new conduit will be installed which would require some excavation. The service gear adjacent to the cabinet will provide a power source for the cabinet.

A separate dome camera will be mounted to the south exterior wall of the harbormaster office, just under the roof eave. This camera will monitor the dumpsters and will be circuited directly to the surveillance server.



Table 2-1. Reliance Dock Equipment

Equipment	Quantity	Location	Nominal Parameters
Omni- Directional Antenna	1	Crane Dock Light Pole	5GHz, 10dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure
Camera Equipment Cabinet	1	Crane Dock	Stainless steel NEMA 4X cabinet mounted to strut rack, contains: radio, power supplies, heater (if required), POE Data Switch

Table 2-2. Reliance Dock Cameras

Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description
1	Float Plane Dock, North Crane, South Crane & Gangway	Reliance Dock Light Pole	Copper Cable	Multi-Sensor Camera, 3EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
2	Dumpsters (Front of Harbormaster Office)	Harbormaster Office	Copper Cable	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom

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3.0 PRIORITY 2: MARINE SERVICE CENTER

The marine service center (MCS) is a large industrial park located north of Reliance Harbor. As commercial vessels are stationed, maintained, and repaired throughout the MCS, broad monitoring will be required to observe and record activities and possible accidents. Locations of interest include the dry dock and vehicle gates around the MCS exterior.

3.1 PRELIMINARY DESIGN

Several high-mast light poles are located throughout the center. (6EA) of these light poles will serve as mounting for new cameras and equipment. To eliminate the cost and interference of installing new undergrounds conduits with data cables, each light pole will be equipped with an antenna and radio to relay video data. A cabinet will be mounted to each of these light poles and will contain associated camera and radio equipment. New branch circuits will be routed in existing underground conduit to each light pole to energize the cabinets.

Each light pole will be equipped with a multi-sensor camera to observe large areas.

The high-mast light pole located at the southwest corner has line-of-sight to the Crane Dock antenna. This light pole will receive video data via radios from all other light poles in the MCS with an omnidirectional antenna and relay all video data to the Crane Dock with a directional antenna.

Equipment	Quantity	Location	Nominal Parameters
Camera Equipment Cabinets	6	Light Poles P1-P6	Stainless steel NEMA 4X cabinet mounted to light pole, contains: radio, power supplies, heater (if required) , POE Data Switch
Directional Antennas	6	Light Poles P1-P6	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45° HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure
Omni- Directional Antennas	2	Light Poles P5 and P6	5GHz, 10dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure

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Table 3-2. Marine Service Center Cameras

Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description
1	Dry Dock, Dry Dock Landing, Restroom Building	Light Pole P1	Wireless	Multi-Sensor Camera, 3EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
2	North Gate, Boat Lots	Light Pole P2	Wireless	Multi-Sensor Camera, 2EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
3	Boat Lots	Light Pole P3	Wireless	Multi-Sensor Camera, 2EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
4	Southeast Gate, Boat Lots	Light Pole P4	Wireless	Multi-Sensor Camera, 2EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
5	Boat Lots, South Area	Light Pole P5	Wireless	Multi-Sensor Camera, 2EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
6	South Area	Light Pole P6	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom

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4.0 PRIORITY 3: CITY DOCK (CRUISE SHIP DOCK)

The City Dock is located north of Reliance Harbor and is the landing dock for the cruise ships. This dock receives tourists from the cruise ships and is also used as a landing for touring vessels. The dock has a single trestle from the dock to the uplands. (2EA) separate gangways run from each side of the trestle down to the floats for the touring vessel.

4.1 PRELIMINARY DESIGN

The existing light poles will be utilized to mount the cameras and antennas. The light pole at the uplands side of the trestle will be equipped with a dome camera to monitor pedestrian activity of all tourists transitioning the trestle and to monitor the top of the gangways. The light pole halfway across the trestle will be equipped with a dome camera to monitor the area where the dock meets the trestle. This area is utilized by the cruise ship staff for security screening. The (2EA) light poles located at the far ends of the dock will be equipped with multi-sensor cameras to provide views of the tourists and the cruise ship staff as they tie-down or untie the cruise ship.

A power center is presently located near the center of the dock. A cabinet containing the associated camera and radio equipment will be located on a new strut rack next to this power center, which will be utilized as the power source. The cameras and antennas on the dock and trestle will be circuited to the cabinet with data cables in conduit, mounted to the sides of the dock and trestle except for a single conduit run which will be required under the trestle. The camera on the uplands light pole cannot be circuited to the cabinet without excavation work. To avoid the need for excavation, the uplands light pole will also be equipped with an antenna and equipment cabinet. A new circuit will be provided to the light pole, which will require additional research into the city street lighting circuit. The light pole at the south end of the dock has line-of-sight to the Crane Dock. This light pole will be equipped with radios, a directional antenna for connectivity with the Crane Dock, and an omni-directional antenna to receive video data from the uplands light pole.

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Table 4-1. City Dock Equipment

Equipment	Quantity	Location	Nominal Parameters
Camera Equipment Cabinet	1	City Dock	Stainless steel NEMA 4X cabinet mounted to strut rack or light pole, contains: radio, power supplies, heater (if required) , POE Data Switch
Directional Antennas	2	Light Poles P1 and P6	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45° HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure
Omni- Directional Antenna	1	Light Pole P6	5GHz, 10dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure

Table 4-2. City Dock Cameras

Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description
1	End of Trestle	Light Pole P1	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
2	Screening Shack	Light Pole P3	Copper Cable	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
3	North Tie-Down, South Dock	Light Pole P4	Copper Cable	Multi-Sensor Camera, 2EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
4	South Tie-Down, North Dock	Light Pole P6	Copper Cable	Multi-Sensor Camera, 2EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom

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5.0 PRIORITY 4: HERITAGE HARBOR

Heritage Harbor is located due south of Reliance Harbor and does not have a line-of-sight view of the Crane Dock. The harbor has (2EA) gangways that transition from the marina to the uplands. In the parking lot between the tops of the gangways there is a restroom building and city dumpsters. At the south side of the harbor is a memorial site with an adjacent parking lot.

5.1 PRELIMINARY DESIGN

Each of the uplands will be equipped with a dome camera to observe the tops of the gangways, and a dome camera to observe the restroom building and the dumpsters. The north uplands will communicate wirelessly with antennas and radios to the south uplands. A cellular antenna at the south uplands will provide communication to the surveillance network. All cameras and antennas will be mounted to tall masts. The service gear at each uplands will provide power to the camera equipment.

A multi-sensor camera will be mounted to the light pole at the end of the parking lot, adjacent to the memorial site and the boat launch. The camera will be equipped with (3EA) sensors aimed towards the memorial site structure, the boat launch, and the parking lot. An antenna with radio will also be mounted to the light pole to provide wireless communication to the south uplands camera equipment. The camera equipment mounted to the light pole will be powered from the load center at the southeast corner of the harbor which presently feeds the parking lot light poles.

Equipment	Quantity	Location	Nominal Parameters
Camera Equipment Cabinet	North Upland, South 3 Uplands, Parking Lot Light Pole		Stainless steel NEMA 4X cabinet mounted to strut rack or light pole, contains: radio, power supplies, heater (if required), POE Data Switch, Cellular Modem, Cellular Extender
Directional Antennas	2	North Uplands, Parking Lot Light Pole	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45° HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure
Omni- Directional Antenna	1	South Uplands	5GHz, 10dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure
Cellular 1 South Uplands r		South Uplands	Supports 4G and LTE Cellular Networks, 8dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure

Table 5-1. Heritage Harbor Equipment

	Table 5-2. Heritage Harbor Cameras							
Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description				
1	North Uplands Gangway	North Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom				
2	South View of Dumpsters and Restrooms	North Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom				
3	South Uplands Gangway	South Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom				
4	North View of Dumpsters and Restrooms	South Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom				
5	Memorial Site, Boat Launch, Memorial Parking Lot	Memorial Parking Lot	Wireless	Multi-Sensor Camera, 3EA Sensors, 5MP Resolution per Sensor, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter				

Speed, Motorized Zoom

R E S P E C

6.0 PRIORITY 5: SHOEMAKER BAY

Shoemaker Bay is located due south of Reliance Harbor and does not have line-of-sight with the Crane Dock. The harbor has a single gangway which transitions from the marina to the uplands. At the north end of the harbor is a boat grid with a crane for boat maintenance. At the south end of the harbor is a boat grid with a crane for boat maintenance.

6.1 PRELIMINARY DESIGN

A dome camera will be located at the uplands to view the gangway. An omni-directional antenna and radio located at the uplands will provide wireless communication with the other cameras. A cellular antenna located at the uplands will provide wireless communication with the surveillance network. The camera and antennas will be mounted to a tall mast. The service gear at the uplands will provide power to the camera equipment.

Presently, there is a single light pole located halfway across the dry dock. A dome camera mounted to the light pole will provide observation of the dry dock crane. An antenna with radio mounted to the light pole will provide wireless communication to the uplands. The camera equipment mounted to the light pole will be powered by the load center at the head of the dry dock which presently feeds the light pole and the crane.

A light pole adjacent to the boat launch will be equipped with a dome camera to observe the boat launch. An antenna with radio mounted to the light pole will provide wireless communication to the uplands. A spare circuit is presently routed with the parking lot light circuits from a gangway float panelboard to the uplands. This circuit can be extended through the existing underground conduits to the light pole to power the attached camera equipment.



Table 6-1. Shoemaker Bay Equipment

Equipment	Quantity	Location	Nominal Parameters			
Camera Equipment Cabinet	3	Uplands, Dry Dock, Boat Launch	Stainless steel NEMA 4X cabinet mounted to strut rack or light pole, contains: radio, power supplies, heater (if required), POE Data Switch, Cellular Modem, Cellular Extender			
Directional Antennas	2	Dry Dock, Boat Launch	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45º HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure			
Omni- Directional Antenna	1	Uplands	5GHz, 10dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure			
Cellular Antenna	1	Uplands	Supports 4G and LTE Cellular Networks, 8dBi Gain, 125 mph Wind Survivability, Hermetically Sealed Weatherproof Enclosure			

Table 6-2. Shoemaker Bay Cameras

Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description
1	Uplands Gangway	Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
2	Boat Grid Crane	Boat Grid	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom
3	Boat Launch	Parking Lot Light Pole	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom

7.0 PRIORITY 6: INNER HARBOR

The Inner Harbor docks are located east across the harbor from the Crane Dock. A single gangway transitions from the marina to the uplands. The line-of-sight from the uplands to the Crane Dock is presently blocked with trees and brush that will be cleared by city staff.

7.1 PRELIMINARY DESIGN

A single dome camera will be located at the uplands to observe the top of the gangway. An antenna with radio will provide wireless communication to the Crane Dock. The camera and the antenna will be mounted to a tall mast. A cabinet containing the camera equipment will be mounted to a strut rack at the uplands. A new circuit will be routed from the panelboard on the gangway dock to the cabinet.

Equipment	Quantity	Location	Nominal Parameters
Camera Equipment Cabinet	1	Uplands	Stainless steel NEMA 4X cabinet mounted to strut rack, contains: radio, power supplies, heater (if required) , POE Data Switch
Directional Antenna	1	Uplands	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45° HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure

Fable 7-1.	Inner	Harbor	Equipmen	t
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Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description	
1	Uplands Gangway	Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom	

Table 7-2. Inner Harbor Cameras

12

8.0 PRIORITY 7: FISH AND GAME DOCK

The Fish and Game Dock is located south across the harbor from, and has line-of-sight to, the Crane Dock. A single gangway transitions from the marina to the uplands.

8.1 PRELIMINARY DESIGN

A single dome camera will be located at the uplands to observe the top of the gangway. An antenna with radio will provide wireless communication to the Crane Dock. The camera and the antenna will be mounted to a tall mast. A cabinet containing the camera equipment will be mounted to a strut rack at the uplands. A new circuit will be routed from the panelboard on the gangway dock to the cabinet.

Equipment	Quantity	Location	Nominal Parameters
Camera Equipment Cabinet	1	Uplands	Stainless steel NEMA 4X cabinet mounted to strut rack, contains: radio, power supplies, heater (if required) , POE Data Switch
Directional Antenna	1	Uplands	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45º HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure

Fable 8-1.	Fish and	Game	Dock	Equipment
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Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description	
1	Uplands Gangway	Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom	

Table 8-2. Fish and Game Dock Cameras

9.0 PRIORITY 8: STANDARD OIL DOCK

The Standard Oil Dock is located south across the harbor from, and has line-of-sight to, the Crane Dock. A single gangway transitions from the marina to the uplands.

9.1 PRELIMINARY DESIGN

A single dome camera will be located at the uplands to observe the top of the gangway. An antenna with radio will provide wireless communication to the Crane Dock. The camera and the antenna will be mounted to a tall mast. A cabinet containing the camera equipment will be mounted to a strut rack at the uplands. A new circuit will be routed from the panelboard on the gangway dock to the cabinet.

Equipment	Quantity	Location	Nominal Parameters
Camera Equipment Cabinet	1	Uplands	Stainless steel NEMA 4X cabinet mounted to strut rack, contains: radio, power supplies, heater (if required) , POE Data Switch
Directional Antenna	1	Uplands	5 GHz, 21dBi Gain, 125 mph Wind Survivability, 45° HPOL and VPOL Beamwidth, Hermetically Sealed Weatherproof Enclosure

Table 9-1.	Standard	Oil Dock	Equipment
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Table 9-2.	Standard	Oil Dock	Cameras	

Camera No.	Viewed Scene(s)	Camera Location	Signal Type	Camera Description
1	Uplands Gangway	Uplands	Wireless	Dome Camera, 4k Resolution, IP67 or NEMA 4X Enclosure, -40°F to 122°F Operating Temperature, RJ45 PoE Connector, Memory SD Card Slot, Minimum Illumination 0 Lux with IR at 30 meters, 30 frames/second Shutter Speed, Motorized Zoom

Construction Cost Estimate Wrangell Surveillance Camera System

								Project Number: 10296.22003 Date: 18 October, 2022 Wage/Hour = \$ 135.00
				М	Materials		tallation	
ltem	Description	Quantity	Units	Unit Cost (\$)	Total Cost (\$)	Unit Cost (\$)	⁽ Total Cost (\$)	Total Cost (\$)
	-			<u> </u>			·	
Priority 1	I: Reliance Harbor							
	1" GRS Conduit	135	LF	12	1,620	20	2,679	4,299
	CAT6 Cable	3.9	CLF	25	98	167	653	750
	No. 10 XHHW Conductor	0.3	CLF	25	8	128	38	46
	No. 10 XHHW GND Conductor	0.1	CLF	25	3	128	13	15
	Dome Camera	1.00	EA	2,000	2,000	392	392	2,392
	Multi-Sensor Camera	1.00	EA	3,750	3,750	392	392	4,142
	Omni-Directional Antenna	1.00	EA	400	400	392	392	792
l	Network Video Recorder (NVR)	1.00	EA	4,000	4,000	675	675	4,675
	Surveillance Software	1.00	EA	4,600	4,600	15,525	15,525	20,125
	Desktop Computer	1.00	EA	900	900	405	405	1,305
	Programming, Testing, Commissioning, Training	1.00	LS	0	0	3,780	3,780	3,780
	Camera Equipment Cabinet	1.00	EA	4,500	4,500	6,000	6,000	10,500
Subtotal:	:				\$ 21,877.50		\$ 30,942.74	\$ 52,820.24
Priority 2	2: Marine Service Center							
l .	CAT6 Cable	2.4	CLF	25	60	335	804	864
	No. 10 XHHW Conductor	23.5	CLF	25	588	169	3 966	4 553
	No. 10 XHHW GND Conductor	11.75	CLF	25	294	169	1 983	9 977
	Dome Camera	1.00	EA	2,000	2,000	783	783	2,783
	Multi-Sensor Camera	5.00	EA	3,750	18,750	783	3,915	22.665
	Omni-Directional Antenna	2.00	EA	400	800	783	1,566	2,366
	Directional Antenna	6.00	EA	500	3,000	783	4,698	7,698
	Programming, Testing, Commissioning	1.00	LS	0	0	3,240	3,240	3,240
	Camera Equipment Cabinet	6.00	EA	4,500	27,000	6,000	36,000	63.000
Subtotal	:				\$ 52,491.25		\$ 56,953.96	\$ 109,445.21
Priority 3	2: City Dock							
	1" GRS Conduit	480	LE	12	5 700	20	0.500	15 000
		9.25		25	5,760	167	9,526	15,286
		0.4		25	231	128	1,548	1,780
	No. 10 XHHW CND Conductor	0.7		25	10	128	51	61
		2.00		2.000	5	202	26	31
	Dome Camera	2.00	EA 54	2,000	7 500	38∠ 202	783	4,100
		2.00		3,750	7,500	392 202	100	0,200
	Directional Antenna	1.00	EA	400	400	392	392	192
		2.00	EA	500	1,000	392	783	1,783
	Programming, Lesting, Commissioning	1.00	LS	U	0	2,160	2,160	2,160
	Camera Equipment Cabinet	2.00	EA	4,500	9,000	6,000	12,000	21,000

\$ 27,906.25

\$ 28,051.50 \$ 55,957.75

Subtotal:

Priority 4:	Heritage Harbor								
	1" GRS Conduit	20	LF	12	240	20	397		637
	CAT6 Cable	6	CLF	25	150	167	1,004		1,154
	No. 10 XHHW Conductor	12.5	CLF	25	313	169	2,109		2,422
	No. 10 XHHW GND Conductor	6.25	CLF	25	156	169	1,055		1,211
	Dome Camera	4.00	EA	2,000	8,000	392	1,566		9,566
	Multi-Sensor Camera	1.00	EA	3,750	3,750	392	392		4,142
	Omni-Directional Antenna	1.00	EA	400	400	392	392		792
	Directional Antenna	2.00	EA	500	1,000	392	783		1,783
	Cellular Antenna	1.00	EA	400	400	392	392		792
	Programming, Testing, Commissioning	1.00	LS	0	0	2,700	2,700		2,700
	Camera Equipment Cabinet	3.00	EA	4,500	13,500	6,000	18,000		31,500
Subtotal:					\$ 27,908.75		\$ 28,788.86	\$	56,697.61
Priority 5:	Shoemaker Bay								
	1" GRS Conduit	10	LF	12	120	20	198		318
	CAT6 Cable	0.5	CLF	25	13	167	84		96
	No. 10 XHHW Conductor	10	CLF	25	250	128	1 283		1 533
	No. 10 XHHW GND Conductor	5	CLF	25	125	128	641		766
	Dome Camera	3.00	EA	2,000	6,000	392	1,175		7,175
	Multi-Sensor Camera	0.00	EA	3.750	0	392	0		0
	Omni-Directional Antenna	1.00	EA	400	400	392	392		792
	Directional Antenna	2.00	EA	500	1.000	392	783		1.783
	Cellular Antenna	1.00	FA	400	400	392	392		792
	Programming Testing Commissioning	1.00	IS	0	0	1 620	1 620		1 620
	Camera Equipment Cabinet	2.00	FA	4 500	9 000	6,000	12 000		21 000
Subtotal		2.00	Ľ,	4,000	\$ 17 307 50	0,000	\$ 18 566 40	\$	35 873 90
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Priority 6	Inner Harbor								
	2" PVC Conduit	80	IE	6	400	14	4.445		4 005
	1" GBS Conduit	10	15	12	480	20	1,145		1,625
	3C No. 8 Type W Cable	0.12	MIE	4 000	120	108	198		318
		0.12		-,000	480	167	13		493
	No. 10 XHHW Conductor	0.1		25	3	128	17		19
		0.2		25	5	120	26		31
	No. TO ARRW GND Conductor	0.1		20	3	120	13		15
	Dome Camera	1.00	EA	2,000	2,000	392	392		2,392
	Directional Antenna	1.00	EA	500	500	392	392		892
		1.00	LS	0	0	540	540		540
	Camera Equipment Cabinet	1.00	EA	4,500	4,500	6,000	6,000	•	10,500
Subtotal:					\$ 8,090.00		\$ 8,734.43	\$	16,824.43
Delevitor -	Fish and Come Floot								
Priority 7:		<u></u>		0		4.4			
		80	LF	6	480	14	1,145		1,625
	1" GRS Conduit	10	LF	12	120	20	198		318
	3C, NO. 8 I ype W Cable	0.12	MLF	4,000	480	108	13		493
	CA16 Cable	0.1	CLF	25	3	167	17		19
	No. 10 XHHW Conductor	0.2	CLF	25	5	128	26		31
	No. 10 XHHW GND Conductor	0.1	CLF	25	3	128	13		15
	Dome Camera	1.00	EA	2,000	2,000	392	392		2,392
	Directional Antenna	1.00	EA	500	500	392	392		892
	Programming, Testing, Commissioning	1.00	LS	0	0	540	540		540
	Camera Equipment Cabinet	1.00	EA	4,500	4,500	6,000	6,000		10,500
Subtotal:					\$ 8,090.00		\$ 8,734.43	\$	16,824.43

Priority 8:	Standard Oil Float								
	2" PVC Conduit	80	LF	6	480	14	1,145	1,625	
	1" GRS Conduit	10	LF	12	120	20	198	318	
	3C, No. 8 Type W Cable	0.12	MLF	4,000	480	108	13	493	
	CAT6 Cable	0.1	CLF	25	3	167	17	19	
	No. 10 XHHW Conductor	0.2	CLF	25	5	128	26	31	
	No. 10 XHHW GND Conductor	0.1	CLF	25	3	128	13	15	
	Dome Camera	1.00	EA	2,000	2,000	392	392	2,392	
	Directional Antenna	1.00	EA	500	500	392	392	892	
	Programming, Testing, Commissioning	1.00	LS	0	0	540	540	540	
	Camera Equipment Cabinet	1.00	EA	4,500	4,500	6,000	6,000	10,500	
Subtotal:					\$ 8,090.00		\$ 8,734.43	\$ 16,824.43	
Total:					\$ 171,761.25		\$ 189,506.73	\$ 361,267.98	
Contracto	shipping	3%						10.838	
	Mobilization / Demobilization	5%						18,605	
	Overhead	10%						39,071	
	Profit	15%						64,467	
Total:									\$132,982
Total Con	struction Cost								\$494,250

Total Construction Cost

ALES I		ABBREVIATIONS
RING IT'S PRODUCTION, AFFECTING ALL LABELED SC		AFGABOVE FINISHED GRADEGFCIGROUND FAULT INTERRUPTEDPCPHOTOELECTRIC CELLUGEUNDERGROUND ELECTRICALUONUNLESS OTHERWISE NOTEDWPWEATHERPROOFXFMRTRANSFORMER(D)DEMOLISH(E)EXISTING(N)NEW(R)RELOCATE
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31

1. EXISTING SITE FEATURES WITH NEW CAMERA EQUIPMENT, CIRCUITS AND ACCESSORIES IDENTIFIED.







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CHECKED DATE October 17, 2022 PROJECT No. i0296,22003 SHEET NUMBER F-2000



CONT'. SHEET E-201 SHEET E-203 SHEET E-202 COVERED YARD LOT Ŋ 1-1/4"C, 4 NO. 10,-1 NO. 10 GND C2-1,3,5,7 50'-0" AFG – 1"C, 2 NO. 10 (CONTROLS P3 & P4) - CT CABINET AND METER - CANTILEVER GATE SWING GATE BUILDING COLD STORAGE BUILDING $X ||_{1}$.11 15 $\mathbf{\overline{D}}$ 1 E-202 ENLARGED SITE PLAN - MARINE SERVICE CENTER SCALE: 0' 10' 20'







SHEET E-201

RESTROOM BUILDING

1"C, 8 NO. 10, -1 NO. 10 GND

(N) OMNI-DIRECTIONAL ANTENNA, 50'-0" AFG

S-1,3,5,7,9, 11,13,15

(N)

(N) YZ.

				VOLI	S/FRAC			MAIN	LOCATION MOUNT	
		600 AMF	s	208Y/	120V, 3 P	н		600/3	CENTER SITE SURFACE	
с К_	DESCRIPTION	BREAKER AMP/			KVA		1	BREAKER AMP/	DESCRIPTION	СК
NO		POLE	СКТ	AØ	вø	сø	СКТ	POLE		NO
1 PC	DLE P2 L	TG 20/2	1.0	11.4			10.4	200/3	PEDESTAL 1	2
3	-	-	1.0		11.4		10.4	-		4
5 PC	DLE P5	20/2	0.8			11.2	10.4	-		6
7	-	• –	0.8	21.6			20.8	200/3	PEDESTALS 2 & 3	8
9 SF	PARE	20/1	0.0		20.8		20.8	-		10
11		20/1	0.0			20.8	20.8	-		12
13		20/1	0.0	20.8			20.8	200/3	PEDESTALS 4 & 5	14
15	•	20/1	0.0		20.8		20.8	-		16
17 SF	PACE		0.0			20.8	20.8	-		18
19			0.0	0.0			0.0	200/3	SPARE	20
21			0.0		0.0		0.0	-		22
23			0.0			0.0	0.0	-		24
25			0.0	0.0			0.0		SPACE	26
27			0.0		0.0		0.0			28
29			0.0			0.0	0.0			30
31			0.0	0.0			0.0			32
33			0.0		0.0		0.0			34
35			0.0			0.0	0.0			36
37			0.0	0.0			0.0			38
39			0.0		0.0		0.0			40
41	1		0.0			0.0	0.0			42
BALAN	CED CONNECTED LOAD: 159.6 KVA / 443.3 AMPS			53.8	53.0	52.8				

				SIZE		VOLT	S/PHAS	SE .		MAIN	LOCATION MOUNT
	Ρ/	ANEL $OZ(E)$		400 AMP	s	208Y/	120V, 3 P	н		400/3	CENTER SITE SURFACE
C K T		DESCRIPTION		BREAKER AMP/ POLE	СКТ	AØ	KVA вø	cø	скт	BREAKER - AMP/ POLE	DESCRIPTION
1	PO	LE P3	LTG	20/2	1.0	6.8	,	,	5.8	100/3	PEDESTALS 1 & 2
3				_	1.0		6.8		5.8	_	4
5	PO	LE P4		20/2	0.8			0.8	0	_	6
7			•	_	0.8	9.1			8.3	100/3	PEDESTALS 3 THRU 8 8
9	SP	ARE		20/1	0.0		8.3		8.3	-	10
11				20/1	0.0			8.3	8.3	-	12
13				20/1	0.0	10.3			10.3	100/3	PEDESTALS 9 THRU 13 14
15				20/1	0.0		10.3		10.3	-	16
17	SP	ACE			0.0			5.8	5.8	-	18
19					0.0	8.3			8.3	100/3	PEDESTALS 14 THRU 19 20
21					0.0		8.3		8.3	-	22
23					0.0			8.3	8.3	-	24
25					0.0	0.0			0.0	100/3	SPARE 26
27					0.0		0.0		0.0	-	28
29					0.0			0.0	0.0	-	30
31					0.0	0.0			0.0		SPACE 32
33					0.0		0.0		0.0		34
35					0.0			0.0	0.0		36
37					0.0	0.0			0.0		38
39					0.0		0.0		0.0		40
41		•			0.0			0.0	0.0		42
BAL	ANC	CED CONNECTED LOAD: 91.4 KVA / 253.9 AMPS				34.5	33.7	23.2			
MA	кімu	JM CONNECTED LOAD: 91.4 KVA / 287.5 AMPS									

ltem	a.
ANT :	
CONSULT	
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II Rd. Ste. 4 060	
neau, AK Mendenhall Ma au, AK 99801 e: 907.586.3771 907.586.3771	
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ROJECT : NRAN SURVE	VRANC
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DRAWN CHECKED DATE Octobe	ər 17, <u>20</u> 22
PROJECT No. 10296.22003 SHEET NUMBER	3
E-20	4

No. Date REVISIONS
		SIZE	SIZE		VOLTS/PHASE			MAIN	LOCATION MOUNT
	FAINEL IN (E)	400 AMP	s	208Y/120V, 3 PH			400/3		NORTH SITE SURFACE
С К	DESCRIPTION	BREAKER AMP/	KVA					BREAKER AMP/	
NO		POLE	СКТ	AØ	ВØ	сø	СКТ	POLE	NO
1	SPARE	20/1	0.0	10.4			10.4	100/3	PEDESTALS 1 THRU 4 2
3		20/1	0.0		5.7		5.7		4
5		20/1	0.0			5.7	5.7		6
7		20/1	0.0	5.7			5.7	100/3	PEDESTALS 5 THRU 7 8
9	SPACE		0.0		5.7		5.7		10
11			0.0			5.7	5.7		12
13			0.0	0.0			0.0	100/3	SPARE 14
15			0.0		0.0		0.0		16
17			0.0			0.0	0.0		18
19			0.0	0.0			0.0		SPACE 20
21			0.0		0.0		0.0		22
23			0.0			0.0	0.0		24
25			0.0	0.0			0.0		26
27			0.0		0.0		0.0		28
29			0.0			0.0	0.0		30
31			0.0	0.0			0.0		32
33			0.0		0.0		0.0		34
35			0.0			0.0	0.0		36
37			0.0	0.0			0.0		38
39			0.0		0.0		0.0		40
41			0.0			0.0	0.0		42
BALANCED CONNECTED LOAD: 38.9 KVA / 108.1 AMPS					11.4	11.4		1	
MAXIMUM CONNECTED LOAD: 38.9 KVA / 134.2 AMPS									

PANEL S (E)			SIZE		VOLTS/PHASE			MAIN	LOCATION MOUNT
			S	208Y/120V, 3 PH			600/3		SOUTH SITE SURFACE
C K T	DESCRIPTION	BREAKER AMP/ POLE	скт	AØ	KVA вø	cø	скт	BREAKER - AMP/ POLE	DESCRIPTION
1	POLE P1 LTG	20/2	0.8	14.3	-/-	- /-	13.5	150/3	PEDESTALS 1 THRU 3 2
3			0.8		14.3		13.5		4
5	POLE P1 (HAUL OUT)	15/2	0.3			13.8	13.5		6
7			0.3	21.1			20.8	200/3	PEDESTALS 4 & 5 8
9	POLE P6	20/2	0.5		21.3		20.8		10
11			0.5			21.3	20.8		12
13	POLE P6 (HAUL OUT)	15/2	0.3	10.7			10.4	200/3	PEDESTAL 6 14
15			0.3		10.7		10.4		16
17	LIGHTING CONTROLS	20/1	0.2			10.6	10.4		18
19	SPARE	20/1	0.0	0.0			0.0	200/3	SPARE 20
21		20/1	0.0		0.0		0.0		22
23		20/1	0.0			0.0	0.0		24
25	•	20/1	0.0	0.0			0.0		SPACE 26
27	SPACE		0.0		0.0		0.0		28
29			0.0			0.0	0.0		30
31			0.0	0.0			0.0		32
33			0.0		0.0		0.0		34
35			0.0			0.0	0.0		36
37			0.0	0.0			0.0		38
39			0.0		0.0		0.0		40
41	•		0.0			0.0	0.0		42
BALANCED CONNECTED LOAD: 138.1 KVA / 383.6 AMPS					46.3	45.7			
MAXIMUM CONNECTED LOAD: 138.1 KVA / 384.2 AMPS									





SHEET NOTES:

P4 AND P6.



1. EXISTING SITE FEATURES WITH NEW CAMERA EQUIPMENT, CIRCUITS AND ACCESSORIES IDENTIFIED.

2. PROVIDE NEW CONDUITS AND CABLES FROM THE CAMERA EQUIPMENT CABINET TO CAMERAS ON POLES P3,

Item a. AK 문 문 문 문 WRANGELL DOCKS & HARBORS SURVEILLANCE CAMERA SYSTEM ALASKA WRANGELL, SITE PLAN - CITY DOCK ESIGN RAWN HECKE ATE 10296.22003 E-300











42

	Item a.	
	CONSUL	
	Juneau, AK Juneau, AK 9109/Machanal Rat.Sta. 4 Juneau, AK 99801 Phone: 907.780.6660 Fax: 907.566.3771 AECC163270	
	PROJECT : WRANGELL DOCKS & HARBORS SURVEILLANCE CAMERA SYSTEM WRANGELL, ALASKA	
	SHEET TITLE : SINGLE LINE DIAGRAM - SOUTH SERVICE	
	DESIGN DRAWN CHECKED	
	DATE October 17, 2022 PROJECT No.	ĺ
	10296.22003 SHEET NUMBER	ĺ
	E-403	ĺ
1		I

No. Date REVISIONS











47

No. Date REVISIONS

1. EXISTING SITE FEATURES WITH NEW CAMERA EQUIPMENT, CIRCUITS AND ACCESSORIES IDENTIFIED.



City and Borough of Wrangell Ports and Harbors Surveillance System Project Update October 20th, 2022

The City and borough of Wrangell entered a contract with RESPEC engineering on July 21st, 2022, for the Ports and Harbors Surveillance System design. Previously we were awarded \$148,000 and \$259,468 from State of Alaska Homeland Security Program grant. We were further awarded another \$427,804 on November 7th, 2022, from the same granting agency. This gives us a total of \$835,272 to spend on this security project.

We will be adding extra cameras and equipment to this project as we did not have the additional funding at the time we hired RESPEC. We tried to keep the scope as to the amount of money we had. As of now their total cost for the system we talked through in July is just short of \$500k. Amber and I will be meeting with our engineers in the coming weeks to add cameras and additional gear to fill out the rest of our security needs.

I have included RESPEC drawings, project timeline and cost estimates.

INSURANCE DISCUSSION

There was a recent fire in Ketchikan one vessel did not have insurance and was possibly the vessel that started the fire. The vessel owner of the vessel with insurance is contemplating suing the Ketchikan harbor department for not requiring insurance. This is another reason we need to figure out if we need insurance requirements or are we willing to be held liable for an accident such as happened in Ketchikan. Even if Ketchikan is not held accountable, they will most definitely incur thousands of dollars in attorney and court fees.







VESSEL INSURANCE DISCUSSION DIRECTION

THIS DISCUSSION IS A STARTING POINT FOR FUTURE CHANGES NEED TO PROTECT THE PORTS AND HARBORS.

2015 FEDERALIZED HAZMAT REMOVAL. RAN OUT OF FUNDING. VESSEL IS LOCATED ON CBW TIDELANDS





Item b.

52

INFRASTRUCTURE AND NEIGHBORING VESSELS

- ~\$25,000.00 TO REPLACE FINGER FLOAT (NO DAMAGE WAS OBSERVED)
- ~\$21,000.00 TO REFLOAT
- ~\$10,000.00 FOR DISPOSAL



CURRENTLY IMPOUNDED \$15,000~\$25,000.00 FOR DISPOSAL





AMOUNTS **BUDGETED FOR VESSEL DISPOSAL** OVER THE COURSE OF TIME. FUNDING WOULD **BEST USED FOR** INFRASTRUCTURE



UNABLE TO MEET INSURANCE REQUIREMENTS

- IMPLEMENT A \$2.00/\$3.00/\$5.00 PER FOOT, PER MONTH SURCHARGE
- FUNDS WILL BE DEPOSITED INTO SINKING FUND. THIS FUND WOULD BE USED SOLELY FOR RECOVERY AND DISPOSAL COSTS.

Item b.

• FUNDS GENERATED, UNKNOW

DISPOSED OF 2022. \$21K TO GET FLOATED TO THE BEACH AN ADDITIONAL \$5,580.00 TO GET BROKEN DOWN AND PLACED IN PARKING LOT HARBOR EMPLOYEES WILL TRANSPORT TO DUMP FOR DISPOSAL



THE LAST 5 YEARS ESTIMATED PRICE FOR DISPOSAL \$60K+ WE NEED TO KEEP IN MIND THIS HAS BEEN A LONG TERM ISSUE.

Item b.



DISCUSSION



ltem b.

UNINSURED VESSELS

SINKING FUND

Item b.

ADDITIONAL \$2.00 PER FOOT, PER MONTH SURCHARGE FOR VESSELS UP TO 50'

40' \$80.00 PER MONTH = \$960.00 ANNUALLY + \$1457.20 IN MOORAGE = \$2417.20 PER YEAR.



50' \$100.00 PER MONTH = \$1,200.00 ANNUALLY + \$1821.50 IN MOORAGE = \$3021.50 PER YEAR.



ltem b.

VESSELS 51' to 85' ADDITIONAL \$3.00 PER FOOT, PER MONTH SURCHARGE.

52' \$156.00 PER MONTH = \$1,872.00 ANNUALLY + MOORAGE OF \$1894.36 = \$3766.36 PER YEAR.

66' \$198.00 PER MONTH = \$2,376.00 ANNUALLY + MOORAGE OF \$2769.36 = \$5145.36 PER YEAR. Item b.





VESSELS GREATER THAN 86'+ ADDITIONAL \$5.00 PER FOOT, PER MONTH SURCHARGE.

86' \$430.00 PER MONTH = \$5,160.00 ANNUALLY + MOORAGE OF \$3132.98 = \$8292.98 PER YEAR.



105' \$525.00 PER MONTH = \$6,300.00 ANNUALLY + MOORAGE OF \$3825.15 = \$10125.15 PER YEAR.



REQUIRING PROTECTION AND INDEMNITY (P&I) WILL GENERALLY PROVIDE FOR REMOVAL AND SALVAGE EXPENSES

- 40' COMMERCIAL VESSEL
 VALUED AT \$300,000 PAYS
 \$5,000.00 ANNUALLY OR
 \$416.60 PER MONTH FOR
 INSURANCE COVERAGE
- + \$1,457.20 IN MOORAGE
- = \$6457.20 ANNUALLY

- 40' RECREATIONAL VALUED AT \$150,000 PAYS \$2,000.00 PER YEAR OR \$166.67 PER MONTH FOR INSURANCE COVERAGE
- + \$1,457.20 IN MOORAGE
- = \$3457.20 ANNUALLY

IMPACT ON HARBOR FUND

HARBOR FUND

INSURANCE Co.

SALVAGE

INSURED VESSEL

- PAYS MOORAGE
- PAYS FOR COVERAGE
- INSURANCE Co. COVERS
- INSURED PAYING FOR UNINSURED SALVAGE AND DISPOSAL THRU THE HARBOR FUND

UNINSURED VESSEL

- PAYS MOORAGE
 HARBOR FUND
 SALVAGE
- HARBOR FUND COVERS
- UNINSURED DRAWING DOWN HARBOR FUND FOR SALVAGE/DISPOSAL COSTS
- SURCHARGE

SINKING FUND

SINKING FUND PAYS

SALVAGE

SNAPSHOT- 50 40' VESSELS PAYING SURCHARGE @ \$2.00 PER FOOT, PER MONTH*UNKNOWN NUMBER OF 40' VESSELS THAT ARE NOT INSURED

HARBOR FUND





PROOF OF INSURANCE OR SURCHARGE FOR ALL VESSELS UTILIZING CBW HARBOR FACILITIES FOR 30 CONSECUTIVE DAYS





Item b.

67

SEWARD HARBORS

7.10.345 - Insurance.

All owners shall provide the City proof of liability insurance covering the vessel and owner's employees, invitees, guests, or passengers. The amount of liability insurance required shall be specified on the moorage agreement covering that vessel. If the vessel carries passengers for hire, owners shall have the City named as an additional insured with waiver of subrogation on any policy of liability insurance.

(Ord. No. 2010-002, § 1(att.), 9-27-2010)

WHITTIER HARBORS

7. The boat owner under a Harbor moorage contract agrees to maintain liability insurance for the vessel, owner, owner's employees, invitees, guests, and passengers covering bodily injury and property damage arising in whole or in part out of the use or operation of the vessel or the insured's activities in Whittier. If the vessel does not carry passengers for hire, the liability insurance coverage shall be in an amount not less than \$300,000 per occurrence. If the vessel carries passengers for hire, the commercial liability insurance shall be in an amount less than \$1,000,000 per occurrence. The City of Whittier shall be named an additional inte rested party.



 Insurance and Seaworthiness. Lessee shall keep the vessel seaworthy and capable of operating under its own power, except for a reasonable time necessary for repairs. If the City believes that a vessel is unseaworthy, Lessee shall provide either proof of adequate insurance coverage or evidence of seaworthiness from a licensed marine surveyor.

JUNEAU HARBORS

• 05 CBJAC 40.035

• Prior to obtaining a moorage assignment.

 The owner of the vessel must provide the Harbormaster with proof of insurance showing, at a minimum, the owners name, information identifying the vessel, and the dates of coverage; or pay a non-refundable moorage surcharge of \$0.25 per month. The funds collected from the moorage surcharge under this regulation will be used to pay for unrecoverable costs attributed to vessel salvage and disposal activities within the harbor system. * GENERATES ~ \$16,000.00 PER YEAR WHICH IS NOT ENOUGH FUNDING TO SALVAGE A VESSEL > 32'



THINGS TO CONSIDER

• WOULD THIS BE A REQUIREMENT FOR SKIFF'S? NOTE: MOST SKIFFS HAVE BEEN ABLE TO BE TAKEN CARE OF IN HOUSE. WE CHARGE LABOR AND EQUIPMENT FEES.

• WOULD THE "SINKING FUND" REIMBURSE THE HARBOR FUND AT SOME POINT FOR PREVIOUS SALVAGE/DISPOSAL EXPENSES?

• CONSEQUENCES FOR REFUSAL?
CITY & BOROUGH OF WRANGELL, ALASKA PORT COMMISSION AGENDA STATEMENT

	DATE:	11/3/2022
<u>AGENDA ITEM TITLE:</u>	<u>Agenda</u>	New Business
	Section	

APPROVAL TO AMMEND PORTS AND HARBORS FEE SCHEDULE O. HOIST \$30.60 AN HOUR TO \$30.00 AN HOUR FOR 5 YEARS

Steve Miller Port Director FY 20: \$ FY 21: \$ FY 22: \$ Amount Budgeted: FY20 \$XXX Reviews/Approvals/Recommendations XXXXX XXX XXX Account Number(s): XXXXX XXXX Amount Budgeted: FY20 \$XXX Account Number(s): Name(s) Name(s) Attorney FY 20: \$ FY 21: \$ FY 22: \$ FY 22: \$ Amount Budgeted: FY 20 \$XXX Account Number(s): Commission, Board or Committee Name(s) Attorney Enter Text Here Unencumbered Balance(s) (prior to expenditure):	<u>SUBMITT</u>	<u>'ED BY:</u>	FISCAL Expendit	<u>NOTE:</u> cure Required: \$XX	XX Total						
Port Director Amount Budgeted: FY20 \$XXX Reviews/Approvals/Recommendations XXXXX XXX XXXX Account Number(s): XXXXX XXX XXXX Account Name(s): Name(s) Name(s) Attorney	Steve Mille	r	FY 20: \$	FY 21: \$	FY22: \$						
Amount Budgeted: FY20 \$XXX Reviews/Approvals/Recommendations XXXXX XXX XXXX Commission, Board or Committee Name(s) Name(s) Attorney	Port Direct	or									
Reviews/Approvals/Recommendations FY20 \$XXX Commission, Board or Committee XXXXX XXX XXXX Name(s) Enter Text Here Name(s) Unencumbered Balance(s) (prior to expenditure):			Amount	Budgeted:							
Reviews/Approvals/Recommendations Account Number(s): Image: State Stat			F	Y20 \$XXX							
Reviews/Approvals/Recommendations XXXXX XXX XXXX Image: State St	Daniana		Account	Number(s):							
Commission, Board or Committee Account Name(s): Name(s) Enter Text Here Name(s) Unencumbered Balance(s) (prior to expenditure):	<u>Reviews</u>	Approvals/Recommendations	Х	XXXXX XXX XXXX							
Name(s) Enter Text Here Name(s) Unencumbered Balance(s) (prior to expenditure):	\square	Commission, Board or Committee	Account	Name(s):							
Name(s) Unencumbered Balance(s) (prior to expenditure):	Name(s)		Enter Text Here								
Attorney expenditure):	Name(s)		Unencumbered Balance(s) (prior to								
		Attorney	expendit	aure):	-						
Insurance \$XXX		Insurance	\$	XXX							

ATTACHMENTS: 1. Rate Schedule

RECOMMENDATION MOTION:

Approval to amend Ports and Harbors fee schedule O. Hoists from \$30.60 an hour to \$30.00 an hour

SUMMARY STATEMENT: After working with IDX for the past year we are getting closer to implementing our hoist automated billing system. While talking with IDX it became apparent that we should simplify our billing to accommodate the new credit

card system. I have found out that every time we change rates for the new credit card system that there are substantial changes that must take place with the programming and replacing the front labels of each machine. If we hold the rate at \$30.00 an hour for 5 years, we can save some money not having to alter programming or machine fronts. This also makes it simple as the rate will be billed at \$5.00 per 10-minute increments.

2.21	2.17 \$	S	\$ 2.12	2.08	2.04 \$	S.	1.77	Ş	300 – 499 feet	(per toot)	ivioorage	
1.93	1.89 \$	s	\$ 1.85	1.82	1.78 \$	ŝ	1.55	ŝ	200 – 299 feet	Daily Inside Moorage	r. Inside Dock Face	
1.73	1.69 \$	ŝ	\$ 1.66	1.63	1.60 \$	S.	1.39	\$	<u>100 – 199 feet</u>			
1.33	1.31 \$	\$	\$ 1.28	1.26	1.23 \$	S.	1.07	-s	00 – 99 feet			
2.96	2.90 Ş	ŝ	\$ 2.84	2.79	2.73 \$	S	2.38	v	our reet and up			T
2.60	2.55 \$	-s	\$ 2.50	2.45	2.40 \$	S -	2.09	2.5	SOO fact and the			and a comment
2.21	2.17 \$	ŝ	\$ 2.12	2.08	2.04 \$	S	1.77	- 50	300 – 499 teet	(per root)	INDOLASE	
1.93	1.89 \$	s	\$ 1.85	1.82	1.78 \$	S	1.55	· ··	200 – 299 teet	Daily Outside Moorage		
1.73	1.69 \$	s	\$ 1.66	1.63	1.60 \$	S	1.39	· ·s	100 – 199 feet		E Outeido Dock Esco	
1.33	1.31 \$	s	\$ 1.28	1.26	1.23 \$	S	1.07	·S	00 – 99 feet			
55.20	4.12 \$	S S	\$ 53.06	\$ 52.02	1.00 \$	\$ 5	50.00	Ś	100 amp 3 phase			T
33.12	2.47 \$	\$ 3	\$ 31.84	\$ 31.21	0.60 \$	\$ 30	30.00	· \s	50 amp 3 phase			
11.04	0.82 \$	\$ 1	\$ 10.61	\$ 10.40	0.20 \$	\$ 11	10.00	s	50 amp single phase	(by amp size)	D. Electric Utility Service	
8.83	8.66 \$	s	\$ 8.49	8.32	8.16 Ş	\$	8.00	S	30 amp 120 v	Daily Utility Service		
5.52	5.41 \$	Ş	\$ 5.31	5.20	5.10 \$	S	5.00	ŝ	20 amp 120 v			
		rate	noorage i	e annual r	1.5x th				N/A	Annuai		1
50.00	0.00 \$	\$ 5	\$ 50.00	\$ 50.00	0.00	\$ 5	50.00	v	Each		Moorage	
		 F		- 		}- !		>	7) 5) 5	Wait List Deposit	C. Customer Service	
		of	served sh	or each re	\$50 f				Wait List Deposit			T
45.42	4.53 \$	\$ 4	\$ 43.65	\$ 42.80	1.96	\$ 4	41.14	ŝ	56 feet and up	(per toot)		
39.44	8.66 \$	s. S	\$ 37.91	\$ 37.16	6.43	\$ 3	35.72	s	31 - 55 feet	Annual Moorage	B. Reserved Moorage	and the second second
33.46	2.80 \$	s 3	\$ 32.16	\$ 31.53	0.91 \$	\$ 3	30.30	s	0 - 30 feet			
93.85	2.01 \$	6 \$ I	\$ 90.20	\$ 88.43	6.70	\$ 8	85.00	ŝ	Live Aboards (monthly)			T
7.17	7.02 \$	ŝ	\$ 6.89	6.75	6.62 \$	s	6.49	ŝ	101 feet and up			
5.96	5.85 \$	ŝ	\$ 5.73	5.62	5.51 \$	s	5.40	Ş	56 - 100 feet	(per foot)		0000000000
5.38	5.27 \$	s	\$ 5.17	\$ 5.07	4.97 \$	S	4.87	N.	31 - 55 feet	Monthly Moorage		
4.77	4.68 \$	s	\$ 4.58	5 4.49	4.41 \$	-s	4.32	· ···	0 - 30 TEET			-
		5	per mon	UU flat fee	\$35.	-		•	N/A	Designated pow lie Skill Colle		-
2.38	2.34 2	v	> 2.23	C7.7	102.2	v	01.7	1		Decignated Row Tie Chiff Jone		Chief Color
20. C	2 1.42 V	2 1	0 C C 2	2 2 2	1.11	ni	21 C	n 1	101 feet and un	*Invoiced on a Monthly Basis	A. Transient Moorage	-
1 50	1 10 4	~ 1	A 1 16	1 44	1 41	~	1 38	~ •	56 - 100 feet	(per toot)		-
1 30	1 28 4	~	\$ 1.25	1.23	1.20	s.	1.18	s.	31 - 55 feet			-
1.08	1.06 \$	s	\$ 1.04	1.02	1.00	s	0.98	S	0 - 30 feet			-
1.19	1.17 \$	s	\$ 1.15	\$ 1.12	1.10 \$	s	1.08	Ş	101 feet and up			-
0.77	0.75 \$	ŝ	\$ 0.74	\$ 0.72	0.71 \$	s	0.69	Ş	56 - 100 feet	(per foot)		in the second
0.65	0.64 \$	Ş	\$ 0.63	\$ 0.62	0.60 \$	ŝ	0.59	Ş	31 - 55 feet	Daily Moorage - Prepaid		-
0.54	0.53 \$	Ş	\$ 0.52	\$ 0.51	0.50 \$	s	0.49	Ş	0 - 30 feet			
7/1/2026	2025	4 7/1/	7/1/202	1/1/2023	2022 7	11/2	23/2021 4-21-1571)	4/: (RES	Basis	Description of Rate/Fee Type	Category	-
			as of:	Effective) : :	2	-
								quie	narbor and Port Facilities Fee Sche		Landard and Landard	-
								-				
-									City and Borough of Wrange			
											Iten	-
											1 a.	

			U. Lightering Fee	1. FOR Development rees		INDUDIZED	J. I dascilger vessels	C Daccongor Vaccole	N. Sallillet Float Ose	D Summer Elect I lee	Q. Impoundment Fee		P. Sea Plane Floats		O. Hoists	N. Water Rates			M. Harbormaster Services			L. Parking		K. Launch Ramp		J. Gridiron	I. Storage				n. Wildildge					-	G. Barge Ramp Facility			It
				Dally		Annual	Monthly	Daily	(per foot)	Transient Moorage	Impounded vessel, vehicle, float, etc.	Annual Permit (reserved)	Monthly Pass	Day Pass	Use of Hoists	Commercial and Industrial Water	Raising of Boats	Labor	Pumping	Skiff Rental w/Personnel	Replace Mooring Lines		Annual Permit w/out stall	Annual Permit w/ stall	Daily Fee	Daily Use	Outside Storage	Greater than 1500 tons of Sand and Gravel	500 to 1500 tons of Sand and Gravel	Less than 500 tons of Sand and Gravel	Empty containers	Lumber	Explosives	Vehicles	General cargo	per lineal foot)	(per lineal foot)	7 1		
41 - 30 leet 59 - 75 faat	11 FBfort	10 - 40 feet	40 percent of applicable docka	500 and up	120 - 499	Flat Rate	Per foot /month	Per departure	81 feet and up	0 - 80 feet	Per impound	Per year	Per month	Per day	Per hour (Billed in 10min intervals)	See WMC 15.04.640	\$175 plus cost of materials and professional services	Labor costs will be the actual costs of the employee. The	\$25/per pump + Labor	Per hour (minimum of 1 hour)	\$10 plus the cost of the line	No charge - Parking limitations to be en	Flat fee	Flat fee	Per Launch	Per foot	Per foot	Per ton	Per ton	Per ton	Each	Per thousand milled board feet	Per ton	Per ton	Per ton	Per foot (\$25.00 minimum)	Per foot (\$500.00 minimum)	600 feet and up	500 – 599 Teet	ENN END \$2.24
∧ 1	1 1	Ś 1	ge and port fees	Ş	Ś	\$ 40	Ş	\$ 1	ŝ	\$	\$ 30	\$ 420	\$ 10	Ş	\$ 30			ey will include wag		\T \$		nforced by Wrange	ļ\$ 50	\$ 25	\$ 10	\$	\$ 0			Ş	\$ U	¢.	\$ \$	\$	\$ 2	ş	\$	\$ 2		
6.26	3	3.64 \$		2.38	1.50 \$	0.00	2.00	0.00	0.95	0.65 \$	0.00 \$	0.00 \$	0.00 \$	00 \$	0.00 \$			ges and		¢ 100.0		II PD	\$ 00.0	\$ 00.	.00 \$	00 \$).50 \$	s	s	-00 \$.75 \$	\$ 00.	.25 \$.50 \$.50 S).10 \$.00 \$	-38 \$	÷ 20.	no s
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				Vessel P	Z. Com				Vet	Y. Com		X. I			W. Port								÷	R	V. Mar								ltem a.
				otable Water Fees	mercial Passenger				ssel Wharfage	mercial Passenger		Meyers Chuck			Security Personnel									ates and Fees	ine Service Center								
	passenger vessel fresh water demand.	has sufficient supply to meet commercial	have full discretion on whether the Borough	Harbor Master and Public Works Director	*All servicing is subject to availability The	(Landi oct storiß)	(Fach Servicing)	Water Fees by Vessel Length	c	Passenger Wharfage Fees	Reserved Moorage (Per foot)	14	(per foot)	Transient Moorage	Cruise Ship Security Personnel	Business Lease Rates			Hydraulic Trailer Fee			Inspection Hoist Fee	Long Term Monthly Storage After 12 Consecutive Months	Long Term Monthly Storage	Short Term Monthly Storage	Environmental Fee	(Hourly Rate)	Travel Lift Minimum			(per loot)	(nor foot)	
	800 to 899 feet	700 to 799 feet	600 to 699 feet	500 to 599 feet	400 to 499 feet	300 to 399 feet	200 to 299 feet	199 feet or less	For lightering	Upon tie-up	Annual	Monthly	Daily - Invoiced	Daily - Prepaid	Per hour	*** The marine service center business lease rates are no operate independent of any rates/fees presented in this	Long-term Storage Reservation Fee	Off-site Transportation	Minimum Fee	One-way (per foot)	Round trip	First 2-hours: 60 percent of haul out rate	Per square foot/per month	Per square foot/per month	Per square foot/per month	Per foot	300-ton per hour use	150-ton per hour use	141 feet and up	121 - 140 feet	91 - 120 feet	76 - 90 feet	
	_	<u> </u>	1	N/A	L			I	N/A	N/A	\$ 12.00	\$ 1.75	\$ 0.40	\$ 0.20	\$ 30.00	ot included in this fee schedule.	\$ 100.00	Round trip or o	\$ 250.00	\$ 5.23	\$ 10.46		\$ 0.74	\$ 0.37	\$ 0.59	\$ 1.00	\$ 600.00	\$ 360.00	\$ 25.91	\$ 23.78	\$ 21.26	\$ 18.76	
1 2 040.00	\$ 720.00	\$ 600.00	\$ 480.00	\$ 360.00	\$ 240.00	\$ 180.00	\$ 120.00	\$ 60.00			\$ 12.24	\$ 1.79	\$ 0.41	\$ 0.20	\$ 30.60	and rate sch	\$ 102.00	one-way fee	\$ 255.00	\$ 5.33	\$ 10.67		\$ 1.10	\$ 0.55	\$ 0.80	\$ 1.02	\$ 612.00	\$ 367.20	\$ 26.43	\$ 24.25	\$ 21.68	\$ 19.14	
	\$ 734.40	\$ 612.00	\$ 489.60	\$ 367.20	\$ 244.80	\$ 183.60	\$ 122.40	\$ 61.20			\$ 12.48	\$ 1.82	\$ 0.42	\$ 0.21	\$ 31.21	iedule as e	\$ 104.04	plus trave	\$ 260.10	\$ 5.44	\$ 10.88		\$ 1.12	\$ 0.56	\$ 0.82	\$ 1.04	\$ 624.24	\$ 374.54	\$ 26.96	\$ 24.74	\$ 22.12	\$ 19.52	
2010.04	\$ 749.09	\$ 624.24	\$ 499.39	\$ 374.54	\$ 249.70	\$ 187.27	\$ 124.85	\$ 62.42	*\$3.00 pe	*\$5.00 pe	\$ 12.73	\$ 1.86	\$ 0.42	\$ 0.21	\$ 31.84	ach lease a	\$ 106.12	el time at \$3	\$ 265.30	\$ 5.55	\$ 11.10		\$ 1.14	\$ 0.57	\$ 0.83	\$ 1.06	\$ 636.72	\$ 382.03	\$ 27.50	\$ 25.23	\$ 22.56	\$ 19.91	
2 071.41	\$ 764.07	\$ 636.72	\$ 509.38	\$ 382.03	\$ 254.69	\$ 191.02	\$ 127.34	\$ 63.67	r person	r person	\$ 12.99	\$ 1.8 9	\$ 0.43	\$ 0.22	\$ 32.47	greement :	\$ 108.24	350/hour ()	\$ 270.61	\$ 5.66	\$ 11.32		\$ 1.17	\$ 0.58	\$ 0.85	\$ 1.08	\$ 649.46	\$ 389.68	\$ 28.05	\$ 25.73	\$ 23.01	\$ 20.31	
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202.24	779.35	649.46	519.57	389.68	259.78	194.84	129.89	64.95			13.25	1.93	0.44	0.22	33.12	.ms	110.41	num)	276.02	5.77	11.55		1.19	0.60	0.87	1.10	662.45	397.47	28.61	26.25	23.47	20.71	

CITY & BOROUGH OF WRANGELL, ALASKA PORT COMMISSION AGENDA STATEMENT

	DATE:	November 3rd, 2022
AGENDA ITEM TITLE:	<u>Agenda</u> Section	10

Micony, LLC request to purchase tidelands Parcel 02-026-301 Lot 6 of Block 84D (28,936 square feet) and Parcel 02-026-303 Lot 7 of Block 84D (8766 square feet.

<u>SUBMITT</u>	ED BY:	FISCAL Expend	L NOTH	<u>::</u> Required: \$0T	otal					
Steve Mille	r, Port & Harbor Director	FY 20: \$	5	FY 21: \$	FY22:					
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			FY22 \$	50						
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<u>Reviews</u>	Approvais/ Recommendations									
\boxtimes	Commission, Board or Committee	Accoun	t Name	e(s):						
Name(s)										
Name(s)		Unencumbered Balance(s) (prior to								
	Attorney	expend	liture)							
	Insurance									

<u>ATTACHMENTS:</u> 1. Letter of interest from Bill Goodale with drawing 2. Exhibit B Pictures at low tide

RECOMMENDATION MOTION:

Move to Recommend Approval of Micony request to purchase tidelands Parcel 02-026-301 Lot 6 of Block 84D (28,936 square feet) and Parcel 02-026-303 Lot 7 of Block 84D (8766 square feet.

SUMMARY STATEMENT:

Micony has approached the city to purchase tidelands as describe in the above proposal. Jeff Good, Carol Rushmore and I met with Bill Goodale on October 25th, 2022, at the tidelands being proposed

to purchase by Micony LLC. R&M had marked out all the corners plus the property that would be filled in to accommodate the business that Micony LLC has planned to build on the site. I have included pictures for reference. The main concerns from the city were the northeastern most property corner. There is only 45' between the corner of the property and the Standard oil float which does not give us much room if we were to dredge or make any changes to our float system. It was recommended that the tidelands be replated and move this corner back an additional 20'. This will give us 65' between the property corner and Standard oil float.

Micony LLC has plans to hire employees and add to Wrangell's marine services industry. Currently the Ports and Harbors has no objection to the sale of the tidelands to Micony LLC.

City and Borough of Wrangell Assembly 205 Brueger Street P.O.Box 531 Wrangell, Alaska 99929

- Attn: Kim Lane, Wrangell Borough Clerk Jeff Good, Wrangell City Manager Carol Rushmore, Wrangell Economic Development Patty Gilbert, Borough Mayor Assembly Members Ports & Harbor Commission Members Steve Miller, Harbormaster Planning & Zoning Commissioners
- Re: City and Borough Tidelands Purchase Request Wrangell Recording District Parcel 02-026-301 Lot 6 of Block 84D (28,936 square feet) Parcel 02-026-303 Lot 7 of Block 84D (8,766 square feet)

Ladies and Gentlemen,

We recently purchased the uplands lot (Lot A of the GPV Re-plat according to Plat No. 2022-12 that recorded on September 23, 2022) which abuts these two tidelands parcels. We are in the process of bringing a marine service business to Wrangell which requires water access. It is our intent to construct a building on the water side of the property with a floating dock which would go dry at lower tides. To maximize the use and efficiency of the property, we would need to build a seawall on the tidelands to accommodate our building and floating dock. The manner and layout of our proposed development will not impede waterway traffic, obstruct the adjacent tidelands or the use of the surrounding properties in any way. The base of the seawall will be 55' out from the existing corners of our property. We will be providing our drawing depicting the extent of the wall and the location of our drive down ramp and floating dock.

We do not desire to lease the property because of the development costs and we would be building structures on land that did not belong to us. By our company purchasing the property it will go on the tax rolls generating income for the city. As it sits now it has a combined assessed value of \$24,500.00 which is generating zero income. We will be bringing jobs to Wrangell to complement the existing marine industry.

We understand there is a process in selling Borough property, so we are at your disposal to provide any information you may need to expedite that process.

We would like to thank you in advance for your time and consideration,

Pacfale

William C Goodale, Mana ing Micony,LLC P.O.Box 5503 Ketchikan, Alaska 99901





CITY AND BOROUGH OF WRANGELL, ALASKA



Public Map



DISCLAIMER: THESE MAPS ARE FOR PLANNING PURPOSES ONLY. PROPERTY LINES ARE APPROXIMATE. AERIAL 2002.











