

CITY OF UNALASKA  
UNALASKA, ALASKA

RESOLUTION 2021-36

A RESOLUTION OF THE UNALASKA CITY COUNCIL AUTHORIZING THE CITY MANAGER TO ENTER INTO AN AGREEMENT WITH FEDERAL SIGNAL FOR THE CONSTRUCTION OF THE TSUNAMI SIRENS UPDGRADE PROJECT IN THE AMOUNT OF \$333,450.60

WHEREAS, the Tsunami Sirens Upgrade Project is an approved component of the City of Unalaska Capital & Major Maintenance Program; and

WHEREAS, the City of Unalaska has determined that it is in the best interests of the residents of the City of Unalaska to have such a Project; and

WHEREAS, the City of Unalaska has provided funding for the Project, which addresses a life and safety issue affecting the entire community; and

WHEREAS, the City Manager has approved a sole source procurement of the Project's construction from Federal Signal based upon the criteria set forth in the City of Unalaska's Purchasing Policy No. 14-0803 §1.h.A.3; and

WHEREAS, the use of funds from the 2020 NOAA Tsunami Hazard Mitigation Program State Grant no. 20NOAA-GY21 have been approved for this procurement by the Granting Agency.

NOW THEREFORE BE IT RESOLVED that the Unalaska City Council authorizes the City Manager to enter into an Agreement with Federal Signal to perform the construction of the Tsunami Sirens Upgrade Project for \$333,450.60.

PASSED AND ADOPTED by a duly constituted quorum of the Unalaska City Council on May 25, 2021.



Vincent M. Tutiakoff  
Mayor

ATTEST:



Marjie Veeder, CMC  
City Clerk



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## MEMORANDUM TO COUNCIL

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To: Mayor and City Council Members  
From: Jay King, Director, Department of Public Safety  
Through: Erin Reinders, City Manager  
Date: May 25, 2021  
Re: Resolution 2021-36 - A Resolution of the Unalaska City Council Authorizing the City Manager to enter into an Agreement with Federal Signal for the construction of the Tsunami Sirens Upgrade Project in the amount of \$333,450.60

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**SUMMARY:** Resolution 2021-36 will authorize the City Manager to enter into an Agreement with Federal Signal for the construction of the Tsunami Sirens Upgrades Project (MUNIS Project code PS20C) for a total of \$333,450.60. Funding is available in the Project's budget, which includes \$122,280 in State Grant funding to award the work, and Staff recommends approval.

**PREVIOUS COUNCIL ACTION:** Council approved Resolution 2019-27 adopting the FY20-24 Capital and Major Maintenance Plan on May 14, 2019, which included approval to request the appropriation of \$261,897 for this Project. The FY20 Operating and Capital Budget Ordinance 2019-07, adopted May 28, 2019, included that appropriation. On January 26, 2021, Council adopted Ordinance 2021-01, accepting a State Capital Grant of \$122,280 for the Project.

**BACKGROUND:** The City's current Tsunami Warning System (hardware and software) is outdated and replacement parts are no longer available for the sirens. Upon completion of this Project, the 7 existing tsunami sirens will have been replaced, and new command and control hardware and software will be installed in the Department of Public Safety Dispatch Offices, bringing Unalaska up to current national standards with improved reliability and robustness for our Tsunami Warning System. The new components will be 256-bit AES encrypted, which secures the system from malicious attacks, and will integrate well with the new equipment to be installed as part of the Radio and Repeater Site Upgrades Project.

**DISCUSSION:** There are only two major West Coast suppliers of tsunami alert equipment and services. Federal Signal has been providing equipment and services in Alaska for almost 20 years with an excellent reputation for the reliability of their systems. They have installed systems Statewide, from the North Slope to Shemya, and in many communities in Southeast Alaska and along the Aleutian Chain. Because they regularly travel the Aleutian Chain, logistics and costs will be reasonable for both routine maintenance and if a technician is needed to be dispatched to Unalaska. The only other West Coast supplier, American Signal, does not have a presence in Alaska and must dispatch their technicians from the Midwest, adding significant operational costs for maintenance and in the event of an outage. For these reasons, sole sourcing was requested and approved by the City Manager as it meets the criteria established in the City of Unalaska's Policy #14-0802, Purchasing Policy, §1.h.i.3., "Competition is determined inadequate after solicitation of a number of sources". A copy of the proposed Construction Agreement with Federal Signal is included with this memorandum.

**ALTERNATIVES:** This project will cure life and safety issues and should be constructed as soon as reasonably possible since the majority of the existing tsunami sirens are non-functional. Council may elect for Staff to request more quotes for the work via a sealed bid process, however,

we must keep in mind that the grant funding requires it be liquidated within 45 days of August 31, 2021. Losing the grant funding means there likely will be insufficient funding to construct the project with the current bid and any others that potentially would be received via the sealed bid process.

**FINANCIAL IMPLICATIONS:** There is \$371,559 available in the Project's budget, \$122,280 of which is grant funds which have been approved by the Granting Agency to be used to fund this Construction Agreement of \$333,450.60.

**LEGAL:** N/A

**STAFF RECOMMENDATION:** Staff recommends approval of this contract award. Time is of the essence for both financial and safety reasons, and Federal Signal's quote for the work is reasonable and within the current budget as long as we are able to make payment utilizing the grant funds within 45 days of August 31, 2021.

**PROPOSED MOTION:** I move to approve Resolution 2021-36.

**CITY MANAGER COMMENTS:** This important project is a long time coming and is partially supported by grant funding. I support staff's recommendation.

**ATTACHMENTS:** Form of Agreement with Federal Signal for \$333,450.60.



CITY OF UNALASKA  
Construction Services Agreement  
Tsunami Sirens Upgrade Project

Project No. 19106/PS20C

Prepared By:

City of Unalaska  
Department of Public Works  
P.O. Box 610  
Unalaska, Alaska 99685  
907.581.1260

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## AGREEMENT FOR PROFESSIONAL SERVICES

THIS AGREEMENT is entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2021, by and between Federal Signal (hereinafter called "Contractor"), and the CITY OF UNALASKA (hereinafter called "City").

WITNESSETH THAT:

WHEREAS City desires to engage Contractor to construct the **Tsunami Sirens Upgrade Project** as set out in the Scope of Services to this Agreement, **Exhibit "A"**, adhering to the Contract Schedule, **Exhibit "B"**, in exchange for the pricing set forth on the **Fee Schedule, Exhibit "C"**, at the location set forth in **Appendix 1 – Command Center and Tsunami Siren Locations**, utilizing the equipment listed in **Appendix 2 – Equipment Specifications**, and

WHEREAS Contractor represents that it has the experience, ability, licenses, certifications, and equipment to perform such services; and

WHEREAS the parties hereto desire to enter into an agreement setting forth the terms under which Contractor will, as requested, perform such work;

NOW THEREFORE the parties hereto do mutually agree as follows:

### 1. The Work

Contractor agrees to perform the work described in **Exhibit A- Scope of Services**; however, the Contractor is not authorized to perform any work or incur any expense which would cause the amount for which he is entitled to be paid under this Agreement to exceed the amount set forth in **Exhibit C – Fee Proposal** without the prior written approval of the City. All services shall be rendered in accordance with the schedule set forth in **Exhibit B – Contract Schedule**.

The work shall include but not be limited to the following: furnishing all equipment, transportation, per diem, travel, and supplies to perform all scopes of work that are authorized under its State of Alaska Professional General Contractor and Electrical Administrator Licenses in connection with the City of Unalaska's **Tsunami Sirens Upgrade Project** as detailed in the attached **Exhibit A – Scope of Services**.

The Contractor shall submit a copy of their State of Alaska Contractor's License, State of Alaska Electrical Administrator's License, State of Alaska Business License, Certification of Insurance, and City of Unalaska Business License, and all Subcontractor City of Unalaska Business Licenses, prior to commencement of the Work. All Work shall be performed in accordance with the Laborers' and Mechanics' Minimum Rates of Pay as required by Title 36 AS 36.05 & AS 36.10 published by the Alaska Department of Labor.

### 2. Contract Times

The Work will be substantially complete on or before September 17, 2021, and completed and ready for final payment on or before October 29, 2021.

### 3. Contract Sum and Payments

City agrees to make periodic payments to Contractor for completion of the Work as services are performed and costs are incurred, provided Contractor submits a proper invoice for each payment, in such form accompanied by such evidence in support thereof as may be reasonably required by the City. All invoices are otherwise due and payable within thirty (30) days of receipt by City. City shall pay Contractor for the services identified in Exhibit A the **Not to Exceed Contract Sum of Three Hundred Thirty**

**three Thousand, Four Hundred Fifty Dollars and Sixty Cents (\$333,450.60).** The portion of the Not to Exceed Contract Sum billed and paid for Contractor's services as set out on **Exhibit C – Fee Schedule** shall be equal to the proportion of services actually completed for each task set forth in **Exhibit A – Scope of Services** during the billing period to the fee total specified for that task.

Contractor may make application for final payment after Contractor has satisfactorily completed all Work defined in the Agreement, including providing all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, approved Alaska Department of Labor Notice of Completion, annotated record documents, and other documents.

The making of final payment will not constitute a waiver by Owner of claims or rights against Contractor. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted

#### 4. Personnel

Contractor agrees to furnish all personnel necessary for expeditious and satisfactory performance of this Agreement, each to be competent, experienced, certified, and well qualified for the work assigned. No person objected to by the City shall be employed by Contractor for work hereunder. Contractor will submit courtesy copies of Alaska Department of Labor certified payroll documents to Owner at the time they are submitted to the State.

#### 5. Insurance

Contractor shall provide insurance coverage for not less than the following amounts, or greater where required by Laws and Regulations:

- A. Commercial General Liability Insurance: \$1,000,000 per occurrence with a \$2,000,000 aggregate, including completed products and operations and personal liability insurance.
- B. Automobile Liability Insurance: \$1,000,000 Combined Single Limit Including owned, hired, and non-owned coverage.
- C. Statutory Workers' Compensation and Employer's Liability Insurance: \$1,000,000 Each Accident/Each Employee/Policy Limit.
- D. A Waiver of Subrogation on the Commercial General Liability Insurance, Automobile Liability Insurance, Statutory Workers Compensation and Employers Liability Insurance, Insurance: Contractor will hold the city harmless and provide a Waiver of Subrogation in favor of the Owner.

The Contractor is required to provide the Owner with a Certificate of Insurance naming the Owner as Additional Insured prior to the commencement of any Work or use of Owner facilities. The failure to object to contents of the Certificate of Insurance or the absence of same shall not be deemed a waiver of any and all rights held by the Owner. Additional Insured status on the Commercial General Liability shall be through ISO Additional Insured Endorsement CG2010 11/04 or equivalent.

In the event the Contractor utilizes a Subcontractor for any portion of the services outlined within the scope of its activities, the Subcontractor shall provide insurance of the same type or types and to the same extent of coverage as that provided by the Contractor. All insurance required of the Subcontractor shall also name the Owner as an Additional Insured for all those activities performed within its contracted activities for the contract executed.

The Contractor acknowledges that failure to obtain such insurance on behalf of the City constitutes a material breach of Contract and subjects it to liability for damages, indemnification, and all other legal remedies available to the Owner.

## 6. Contractor's Responsibilities

Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with this Agreement. Contractor shall be solely responsible for the means, methods, techniques, sequences, safety, and procedures of construction. Contractor shall assign a competent resident superintendent who is to be present at all times during the execution of the Work. Contractor shall at all times maintain good discipline and order at the Site. In addition to and apart from the Work of the Contractor, other work may occur at or adjacent to the Site. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.

Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work in accordance with Federal and State Departments of Labor Occupational Safety and Health Act (OSHA) and other local, state, and federal regulations. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

- A. All persons on the Site or adjacent to the Site who may be affected by the Work;
- B. All the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
- C. Other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and underground facilities not designated for removal, relocation, or replacement in the course of construction.

All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, or anyone for whose acts the Contractor may be liable, shall be remedied by Contractor at its expense.

## 7. Warranties, Guarantees, and Indemnification

Contractor warrants and guarantees to Owner that all Work will not be defective, and Owner and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on Contractor's warranty and guarantee.

Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Agreement will pass to Owner free and clear of (1) all liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than seven days after the time of payment by Owner.

To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under this Agreement or otherwise, Contractor shall indemnify and hold harmless Owner and its officers, directors, members, partners, employees, agents, consultants, and subcontractors from and against all claims, costs, losses, and damages arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of



use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any subcontractor, any supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts they may be liable.

All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with this Agreement, as well as all continuing obligations indicated in this Agreement, will survive final payment, completion, and acceptance of the Work or termination or completion of the Agreement or termination of the services of Contractor.

## 8. Owner's Responsibilities

Owner shall make payments to Contractor as provided in this Agreement, and provide Site and easements required to construct the Project.

Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs, or for any failure of Contractor to comply with Laws and Regulations and Codes applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with this Agreement.

While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed, and Owner shall furnish copies of any applicable Owner safety programs to Contractor.

## 9. Changes in the Work

Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by issuing Change Orders. Owner and Contractor shall execute appropriate Change Orders covering changes in the Contract Price or Contract Times which are agreed to by the parties.

## 10. Claims and Dispute Resolution

The party submitting a claim shall deliver it directly to the other party to the Contract promptly (but in no event later than 10 days) after the start of the event giving rise thereto. The party receiving a claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the claim through the exchange of information and direct negotiations. All actions taken on a claim shall be stated in writing and submitted to the other party. If efforts to resolve a claim are not successful, the party receiving the claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the claim within 45 days, the claim is deemed denied. If the dispute is not resolved to the satisfaction of the parties, Owner or Contractor shall give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction unless the Owner and Contractor both agree to an alternative dispute resolution process.

## 11. Suspension of Work and Termination

At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 60 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date

on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension

Contractor's failure to perform the Work in accordance with the Contract Documents or other failure to comply with a material term of the Contract Documents will constitute a default by Contractor and justify termination for cause. If Contractor defaults in its obligations, then after giving Contractor and any surety ten days written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to declare Contractor to be in default, and give Contractor and any surety notice that the Contract is terminated; and enforce the rights available to Owner under any applicable performance bond.

Owner may not proceed with termination of the Contract under Paragraph 15.02.B if Contractor within seven days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.

Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.

Upon seven days written notice to Contractor, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for, without duplication of any items:

- A. Completed and acceptable Work executed in accordance with this Agreement prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
- B. Expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by this Agreement in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
- C. Other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.

Contractor shall not be paid on account of loss of anticipated overhead, profits, or revenue, or other economic loss arising out of or resulting from such termination.

If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner, and provided Owner does not remedy such suspension or failure within that time, either stop the Work until payment is received, or terminate the Contract and recover payment from the Owner.

## 12. Compliance with Applicable Laws

Contractor shall in the performance of this Agreement comply with all applicable Federal, State, and local laws, ordinances, orders, rules, and regulations applicable to its performance hereunder, including without limitation, all such legal provisions pertaining to social security, income tax withholding, medical

aid, industrial insurance, workers' compensation, and other employee benefit laws. The Contractor and all subcontractors must comply with State laws related to local hire and prevailing wages.

### 13. Venue/Applicable Law

The venue of any legal action between the parties arising as a result of this Agreement shall be laid in the Third Judicial District of the Superior Court of the State of Alaska and this contract shall be interpreted in accordance with the laws of the State of Alaska.

### 14. Entire Agreement/Modification

This agreement, including Exhibits A-C, and the Contractor's Quote #SYSQ4940-03 dated April 28, 2021, constitutes the entire Agreement between the parties with respect to the subject matter hereof, and all prior negotiations and understandings are superseded and replaced by this Agreement and shall be of no further force and effect. No modification of this Agreement shall be of any force or effect unless reduced to writing, signed by both parties and expressly made a part of this Agreement.

In witness whereof, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in duplicate on the respective date indicated below.

CONTRACTOR

CITY OF UNALASKA, ALASKA

By: \_\_\_\_\_  
\_\_\_\_\_ Its \_\_\_\_\_

By: \_\_\_\_\_  
Erin Reinders, City Manager

State of Alaska        )  
                                  ) ss.  
Third Judicial District    )

State of Alaska        )  
                                  ) ss.  
Third Judicial District    )

The foregoing instrument was acknowledged before me on the \_\_\_\_ day of \_\_\_\_\_, 2021, by \_\_\_\_\_, the \_\_\_\_\_ of Federal Signal, a(n) \_\_\_\_\_ Corporation, on behalf of the corporation.

The foregoing instrument was acknowledged before me on the \_\_\_\_ day of \_\_\_\_\_, 2021, by Erin Reinders, City Manager for the City of Unalaska, a First Class Alaska Municipal Corporation, on behalf of the City of Unalaska.

\_\_\_\_\_  
Notary Public, State of Alaska  
My Commission Expires \_\_\_\_\_

\_\_\_\_\_  
Notary Public, State of Alaska  
My Commission Expires \_\_\_\_\_

## EXHIBIT “A” – SCOPE OF SERVICES

The Contractor will work with the City to construct the **Tsunami Sirens Upgrade Project**.

The Scope of Services for this Agreement includes the following tasks:

- Contractor will perform all work required to provide the City with a fully functioning Tsunami Warning System which includes the Command Center to be located in the Dispatch area of the Department of Public Safety Facility as well as 7 sirens mounted on existing poles at the locations shown on APPENDIX 1- COMMAND CENTER AND TSUNAMI SIREN LOCATIONS. APPENDIX 2 – EQUIPMENT SPECIFICATION lists the major items to be supplied and installed by Contractor at the locations set out on APPENDIX 1.
- Contractor will perform all work required to procure, install, and make operational per **Contractor’s Quote #SYSQ4940-03** dated April 28, 2021, the Services and Equipment described therein.
- Contractor will meet or exceed all national, state, and local safety and installation codes and regulations.
- Contractor shall perform their work in accordance with the Laborers’ and Mechanic’ Minimum Rates of Pay as required by Title 36 AS 36.05 & AS36.10.
- Contractor will assign a Project Manager and Project team, conduct kick-off meeting with all Project participants.
- Contractor will conduct acceptance testing and complete acceptance certificate.
- Contractor will provide one set of as-built documentation and equipment manuals in both bound paper and electronic formats.
- Contractor will provide a one year warranty on installation and equipment.
- The City will receive, store, and protect the parts and equipment to be installed by Contractor for the duration of the Project as set out in Exhibit “B” – Contract Schedule.
- The City will provide the 26 Deep Cycle Batteries.
- The City will provide staging areas of an appropriate size for installation work.
- The City will guarantee and ensure access to each installation site set out on APPENDIX 1 and the Command Center located in the Dispatch area of the Department of Public Safety Facility.
- The City will ensure AC power is provided to the electrical service disconnect installed adjacent to the controller cabinet to be installed at the Dispatch area of the Department of Public Safety Facility.
- The City will be responsible for any permits and easements necessary for the Contractor to perform the work.



Protecting people and our planet

US : 2645 Federal Signal Drive, University Park, Illinois 60484 | Tel +1 708 534 4756  
 UK : Silk House, Park Green, Macclesfield, Cheshire SK117NA, | Tel +44 (0)1625 66 66 00  
[www.fedsig.com](http://www.fedsig.com)

## Quotation

Number : **SYSQ4940-03**

Date : **04/28/2021**

Expiration Date : **07/01/2021**

**Quoted**

**Company:**

**Unalaska Fire Department**  
 P.O. Box 370  
 Unalaska, Alaska 99685

**To:**

**Michael Hanson**  
 907-581-5329  
 mhanson@ci.unalaska.ak.us

**Your Sales Rep:**

**Paul J. Merkouris**  
 Federal Signal Manufacturer's  
 Phone 907-344-9674  
 paul@alster.com

**Prepared By:**

**Bruce Ross**  
 Western Regional Sales Manager  
 Phone 858-264-8568  
 brass@federalsignal.com

**Notes:**

Here is the quote you requested. The 26 IK-BATT-STD batteries have been removed from quote - to be purchased by Unalaska. Federal Signal requires the proper batteries to be used for the warranty period. 12V Marine Battery, Group 24M 600CCA 735 MCA, Threaded post FVP - DC24-6.

Project Ref:						
Unalaska FD						
Terms				Ship Via	FOB	
NET 30 With Account Approval				Freight Quoted	Origin	
Line	Qty	Part Number	Description	Unit Price	Ext. Price	
<b>Command and Control</b>						
1	1	SFCD10	Commander Programming/Monitoring Software for 10 Sites. License is for up to 5 computers	\$2,445.30	\$2,445.30	
2	1	X-PCD1	Desktop PC with WIN10 and complete with 22" Monitor	\$3,567.25	\$3,567.25	
3	1	SS2000+	Desk Mount Encoder	\$3,300.30	\$3,300.30	
4	1	MIC-XLR	GOOSENECK MICROPHONE AND DESK BASE	\$180.00	\$180.00	
5	1	BSH	BASE STN. RADIO, VHF	\$3,240.00	\$3,240.00	
6	1	OMNI-5	ANTENNA, 156-162MHZ VHF	\$361.80	\$361.80	
7	1	AMB-W	ANTENNA MOUNTING BRACKET, WALL	\$162.00	\$162.00	
8	1	COMMANDER1-S	CommanderOne Standard, Annual Subscription	\$4,000.00	\$4,000.00	
<b>Equipment</b>						
9	3	MOD6024B	Omnidirectional Electronic Siren, 121dB @ 100ft/30m.	\$14,256.65	\$42,769.95	
10	3	MOD4016B	Omnidirectional Electronic Siren, 118dB @ 100ft/30m.	\$10,255.25	\$30,765.75	
11	1	MOD2008B	Omnidirectional Electronic Siren, 112dB @ 100ft/30m.	\$6,253.85	\$6,253.85	
12	7	UVTDH	DIGITAL, 2-WAY, HI BND, 120V	\$6,216.30	\$43,514.10	
13	1	DVR	Digital Recording Fee, Single Voice up to 10 messages	\$700.00	\$700.00	
<b>Order will ship with standard messaging, unless customer supplies custom messages at order acceptance.</b>						
14	32	UV400	UV Amplifier, 400W.	\$668.70	\$21,398.40	
15	7	DVSD	Digital voice mini SD card.	\$293.40	\$2,053.80	

This quotation is expressly subject to acceptance by Buyer of all terms stated on this and Federal Signal's terms of sale (available on request). Any exception to or modifications of such terms shall not be binding on Seller unless expressly accepted in writing by an authorized agent or office of Seller. Any order submitted to Seller on the basis set forth above, in whole or in part, shall constitute an acceptance by Buyer of Federal Signal's terms. Any such order shall be subject to acceptance by Seller in its discretion. Prices Subject To Change - Prices Based Upon Total Purchase - All Delivery, Training Or Consulting Services To Be Billed At Published Rates For Each Activity Involved. We Shall Not Be Liable For Any Loss Of Profits, Business, Goodwill, Data, Interruption Of Business, Nor For Incidental Or Consequential Merchantability Or Fitness Of Purpose, Damages Related To This Agreement.

Quote Number **SYSQ4940-03**

Page 1 of 18

Line	Qty	Part Number	Description	Unit Price	Ext. Price
16	7	OMNI-5	ANTENNA, 156-162MHz VHF	\$361.80	\$2,532.60
17	7	AMB-P	ANTENNA MOUNTING BRACKET, POLE	\$121.50	\$850.50
<b>Services</b>					
18	1	TK-IO-CUSTINS	Encoder & Radio Install	\$3,300.00	\$3,300.00
19	1	TK-S-CPSYSOP	Optimization, Configuration and Training	\$3,900.00	\$3,900.00
20	6	TK-IO-CUSTINS	SIREN INSTALL ON EXISTING POLES	\$17,775.00	\$106,650.00
21	1	TK-IO-CUSTINS	SIREN INSTALL ON EXISTING BUILDING	\$19,100.00	\$19,100.00
22	1	TK-IO-CUSTINS	INSPECTION TRIP, ENGINEERING AND SPECIAL BRACKET FABRICATION FOR SIX (6) EXISTING POLES AND ONE (1) NEW BUILDING LOCATION.	\$22,950.00	\$22,950.00
23	1	ES-FREIGHT	NOTE - FINAL ELECTRICAL SERVICE TO BE PROVIDED BY CITY OF UNALASKA. SHIPPING FEES	\$9,455.00	\$9,455.00
<p><i>4/16 Inspect pole and building sites - Completed</i>  <i>5/3 Receive Order</i>  <i>6/18 Ship Hardware</i>  <i>7/9 Equipment arrives Unalaska</i>  <i>7/26 Customer supplied batteries on site</i>  <i>7/30 Complete pre-fab work for poles and building</i>  <i>8/2 Begin install</i>  <i>9/15 Finalize testing, acceptance and training for Unalaska</i>  <i>9/17 Complete</i></p>					

Lead Time:

SubTotal	<b>\$333,450.60</b>
Tax	
<b>Total USD</b>	<b>\$333,450.60</b>
Recurring Totals	\$4,000.00

This quotation is expressly subject to acceptance by Buyer of all terms stated on this and Federal Signal's terms of sale (available on request). Any exception to or modifications of such terms shall not be binding on Seller unless expressly accepted in writing by an authorized agent or office of Seller. Any order submitted to Seller on the basis set forth above, in whole or in part, shall constitute an acceptance by Buyer of Federal Signal's terms. Any such order shall be subject to acceptance by Seller in its discretion. Prices Subject To Change - Prices Based Upon Total Purchase - All Delivery, Training Or Consulting Services To Be Billed At Published Rates For Each Activity Involved. We Shall Not Be Liable For Any Loss Of Profits, Business, Goodwill, Data, Interruption Of Business, Nor For Incidental Or Consequential Merchantability Or Fitness Of Purpose, Damages Related To This Agreement.

Quote Number **SYSQ4940-03**

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## EXHIBIT “B” – CONTRACT SCHEDULE

The contract schedule is set forth below.

<b>DATE</b>	<b>TASK</b>
4/16/21	Inspect pole and building sites - Completed.
5/3/21	Receive Order
6/18/21	Ship Hardware
7/9/21	Equipment arrives Unalaska
7/26/21	Customer supplied batteries on site
7/30/21	Complete pre-fab work for poles and building
8/2/21	Begin install
9/15/21	Finalize testing, acceptance and training for Unalaska
9/17/21	Project Complete

# EXHIBIT "C" – FEE SCHEDULE

## EXHIBIT C - CONTRACTOR PAY ESTIMATE DETAIL

CITY OF UNALASKA  
 DEPARTMENT OF PUBLIC WORKS  
 P.O. BOX 610  
 UNALASKA, AK 99685

TSUNAMI SIRENS UPGRADE  
 DPW PROJECT #19106/MUNIS PS20C  
 FEDERAL SIGNAL

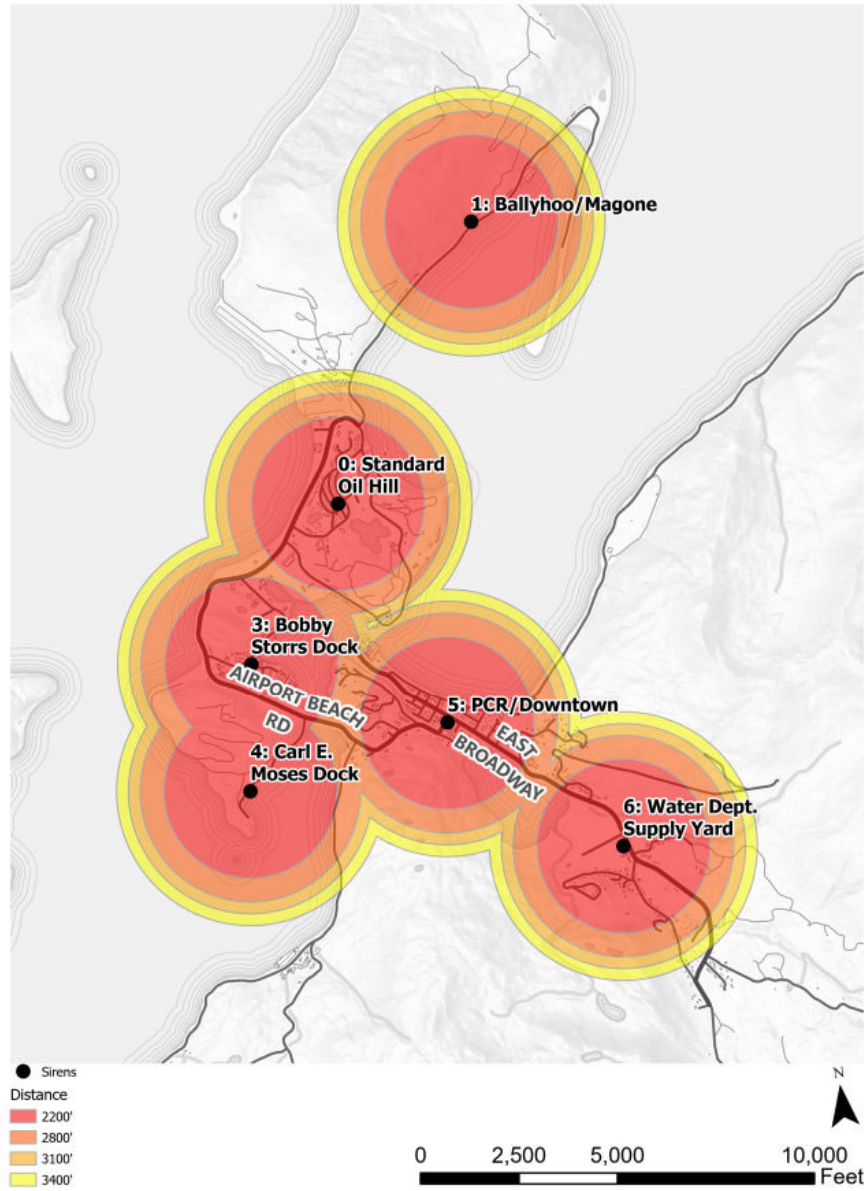
INVOICE DATE:   
 PAY ESTIMATE NO.: \_\_\_\_\_  
 PERIOD: FROM \_\_\_\_\_ TO \_\_\_\_\_

TASK	DESCRIPTION	QTY	U/M	UNIT PRICE	FEE TOTAL	QTY			% COMPL	\$ VALUE TO DATE	\$ REMAINING
						PREVIOUS	CURRENT	TO DATE			
1	Command and Control	1	L/S	\$17,256.65	\$ 17,256.65	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 17,256.65
2	Equipment	1	L/S	\$150,838.95	\$ 150,838.95	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 150,838.95
3	Services	1	L/S	\$155,900.00	\$ 155,900.00	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 155,900.00
4	Shipping	1	L/S	\$9,455.00	\$ 9,455.00	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 9,455.00
<b>TOTALS:</b>					\$ 333,450.60	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 333,450.60

Q:\Shared\14-DPU-DPW Shared\Capital Projects\Tsunami Sirens (19106)\300 Bid and Award Phase\306 Contractor Agreement & Payments NOA NTP\Contractor Pay Estimate & Detail with Formulas.xls



# APPENDIX 1 – COMMAND CENTER AND TSUNAMI SIREN LOCATIONS



## APPENDIX 2 – EQUIPMENT SPECIFICATION

Quantity	Federal Signal Part Number	Description
<b>Command and Control Equipment</b>		
1	SFCD10	Commander Programming/Monitoring Software for 10 Sites. License for up to 5 Computers
1	X-PCD1	Desktop PC with WIN10 and complete with 22" Monitor
1	SS2000+	Desk Mount Encoder
1	MIC-XLR	Gooseneck Microphone and Desk Base
1	BSH	Base Station, Radio, VHF
1	OMNI-5	Antenna, 156 - 162 MHz VHF
1	AMB-W	Antenna Mounting Bracket, Wall
1	COMMANDER1-S	CommanderOne Standard, Annual Subscription
<b>Tsunami Sirens Equipment</b>		
3	MOD6024B	Omni-Directional Electronic Siren, 121dB @ 100ft/30m
3	MOD4016B	Omni-Directional Electronic Siren, 118dB @ 100ft/30m
1	MOD2008B	Omni-Directional Electronic Siren, 112dB @ 100ft/30m
7	UVTDH	Digital, 2-Way, HI BND, 120V
1	DVR	Digital Recording Fee, Single Voice up to 10 messages.
32	UV400	UV Amplifier, 400W
7	DVSD	Digital Voice mini SD Card
7	OMNI-5	Antenna, 156 - 162 MHz VHF
7	AMB-P	Antenna Mounting Bracket, pole
26	IK-BATT-STD	Kit, Install, Deep Cycle Batteries, Standard Capacity
<b>Construction Services</b>		
1	TK-IO-CUSTINS	Encoder & Radio Install
1	TK-S-CPSYSOP	Optimization, Configuration and Training
6	TK-IO-CUSTINS	Siren Install on Existing Poles
1	TK-IO-CUSTINS	Siren Install on Existing Building
1	TK-IO-CUSTINS	Inspection Trip, Engineering and Special Bracket Fabrication for Six (6) Existing Poles and one (1) New Building Location
<b>Misc. Expenses</b>		
1	ES-FREIGHT	Shipping Fees