REQUEST FOR BIDS PT21-0680F
LED Luminaires and Accessories

Submittal Deadline: 11:00 a.m., Pacific Time, Tuesday, January 25, 2022

Submittals must be received by the City’s Procurement and Payables Division prior to 11:00 a.m. Pacific Time. For electronic submittals, the City of Tacoma will designate the time of receipt recorded by our email, bids@cityoftacoma.org, as the official time of receipt. This clock will be used as the official time of receipt of all parts of electronic bid submittals.

Submittal Delivery: Sealed submittals will be received as follows:

**By Email:**
bids@cityoftacoma.org
Maximum file size: 35 MB. Multiple emails may be sent for each submittal.

Bid Opening: Held virtually each Tuesday at 11AM. Attend via this link or call 1 (253) 215 8782. Submittals in response to a RFB will be recorded as received. As soon as possible, after 1:00 PM, on the day of submittal deadline, preliminary results will be posted to www.TacomaPurchasing.org.

Solicitation Documents: An electronic copy of the complete solicitation documents may be viewed and obtained by accessing the City of Tacoma Purchasing website at www.TacomaPurchasing.org.

- Register for the Bid Holders List to receive notices of addenda, questions and answers and related updates.
- Click here to see a list of vendors registered for this solicitation.

Pre-Proposal Meeting: A pre-proposal meeting will not be held.

Project Scope: Supply of outdoor LED luminaires and accessories on an as-needed basis.

Estimate: $395,000 (initial three-year term)

Paid Sick Leave: The City of Tacoma requires all employers to provide paid sick leave as set forth in Title 18 of the Tacoma Municipal Code. For more information, visit our Minimum Employment Standards Paid Sick Leave webpage.

Americans with Disabilities Act (ADA) Information: The City of Tacoma, in accordance with Section 504 of the Rehabilitation Act (Section 504) and the Americans with Disabilities Act (ADA), commits to nondiscrimination on the basis of disability, in all of its programs and activities. Specification materials can be made available in an alternate format by emailing Gail Himes at ghimes@cityoftacoma.org, or by calling her collect at 253-591-5785.

Title VI Information:
"The City of Tacoma" in accordance with provisions of Title VI of the Civil Rights Act of 1964, (78 Stat. 252, 42 U.S.C. sections 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin in consideration of award.

Additional Information: Requests for information regarding the specifications may be obtained by contacting Seth Hartz, Senior Buyer by email to shartz@cityoftacoma.org

Protest Policy: City of Tacoma protest policy, located at www.tacomapurchasing.org, specifies procedures for protests submitted prior to and after submittal deadline.

Meeting sites are accessible to persons with disabilities. Reasonable accommodations for persons with disabilities can be arranged with 48 hours advance notice by calling 253-502-8468.
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SUBMITTAL CHECKLIST

This checklist identifies items to be included with your submittal. Any submittal received without these required items may be deemed non-responsive and may not be considered for award. Please do not include the entire specification document with your submittal.

Submittals must be received by the City of Tacoma Purchasing Division by the date and time specified in the Request for Bids page at the front of this Specification or subsequent addenda.

<table>
<thead>
<tr>
<th>The following items, in this order, make up your submittal package:</th>
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<tbody>
<tr>
<td>1.</td>
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SUBMITTAL INSTRUCTIONS

PRE-SUBMITTAL QUESTIONS

A. Questions and requests for clarification of these Specifications may be submitted in writing by 3:00 p.m., Pacific Time, January 13, 2022, via email addressed to the Purchasing contact below. Questions received after this date and time may not be answered.

1. Please indicate the specification number and title in the email subject line.

2. Present your questions in MS Word format or directly in the body of the email message. If applicable, cross reference the specific section of the RFB.

3. Questions will not be accepted by telephone or fax.

4. Questions marked confidential will not be answered.

5. Individual answers will not be provided directly to Respondents.

6. The City reserves the discretion to group similar questions to provide a single answer or not to respond when the requested information is confidential.

7. The City will not be responsible for unsuccessful submittal of questions.

B. Written answers to all questions will be posted on the Purchasing website at www.TacomaPurchasing.org on or about January 18, 2022. Navigate to Contracting Opportunities / Supplies, and scroll to this RFB. A notice will not be posted with the Specification if no questions are received.

C. The answers are not typically considered an addendum.

D. To receive notice of the posted answers, you must register as “bid holder” for this solicitation.

<table>
<thead>
<tr>
<th>Communication</th>
<th>Addressee</th>
</tr>
</thead>
<tbody>
<tr>
<td>For all questions regarding Specification PT21-0680F</td>
<td>Seth Hartz</td>
</tr>
<tr>
<td></td>
<td>Senior Buyer</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:shartz@cityoftacoma.org">shartz@cityoftacoma.org</a></td>
</tr>
</tbody>
</table>
**SUBSTITUTION REQUESTS**

A. If the Respondent elects to bid alternative equipment, materials, or processes where allowed, a Substitution Request Form (Appendix #1) must be submitted by email to Seth Hartz, shartz@cityoftacoma.org, a minimum of ten (10) business days prior to the submittal deadline. Substitution Request Forms received after this time will not be accepted. Respondents will be notified of an approved or rejected Substitution Request Form no later than five (5) business days prior to the submittal deadline. See Sections 1.03.2B and 1.03.2C.

**REVISIONS TO SPECIFICATION**

A. All revisions to this specification will be in the form of written addenda, and no oral revision should be relied upon for any purpose. In the event it becomes necessary to revise any part of this RFB, addenda will be issued to registered planholders and posted on the Purchasing website at www.TacomaPurchasing.org: Navigate to Current Contracting Opportunities / Supplies Solicitations, and scroll to this RFB. Failure to acknowledge addenda may result in a submittal being deemed non-responsive.
SIGNATURE PAGE
CITY OF TACOMA
TACOMA POWER / TRANSMISSION AND DISTRIBUTION

All submittals must be in ink or typewritten, executed by a duly authorized officer or representative of the bidding/proposing entity, and received and time stamped as directed in the Request for Bids page near the beginning of the specification. If the bidder/proposer is a subsidiary or doing business on behalf of another entity, so state, and provide the firm name under which business is hereby transacted.

REQUEST FOR BIDS SPECIFICATION NO. PT21-0680F
LED Luminaires and Accessories

The undersigned bidder/proposer hereby agrees to execute the proposed contract and furnish all materials, labor, tools, equipment and all other facilities and services in accordance with these specifications.

The bidder/proposer agrees, by submitting a bid/proposal under these specifications, that in the event any litigation should arise concerning the submission of bids/proposals or the award of contract under this specification, Request for Bids, Request for Proposals or Request for Qualifications, the venue of such action or litigation shall be in the Superior Court of the State of Washington, in and for the County of Pierce.

Non-Collusion Declaration

The undersigned bidder/proposer hereby certifies under penalty of perjury that this bid/proposal is genuine and not a sham or collusive bid/proposal, or made in the interests or on behalf of any person or entity not herein named; and that said bidder/proposer has not directly or indirectly induced or solicited any contractor or supplier on the above work to put in a sham bid/proposal or any person or entity to refrain from submitting a bid/proposal; and that said bidder/proposer has not, in any manner, sought by collusion to secure to itself an advantage over any other contractor(s) or person(s).

Bidder/Proposer’s Registered Name

Signature of Person Authorized to Enter into Contracts for Bidder/Proposer

Date

Address

Printed Name and Title

City, State, Zip

(Area Code) Telephone Number / Fax Number

Authorized Signatory E-Mail Address


State Business License Number in WA, also known as UBI (Unified Business Identifier) Number

E-Mail Address for Communications

State Contractor’s License Number (See Ch. 18.27, R.C.W.)

Addendum acknowledgement #1_____ #2_____ #3_____ #4_____ #5_____

THIS PAGE MUST BE SIGNED AND RETURNED WITH SUBMITTAL.
**PROPOSAL – PRICING SHEET**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Item Description</th>
<th>MID#</th>
<th>Estimated 3-year Usage</th>
<th>MFG*</th>
<th>Catalog Number*</th>
<th>Unit Price Each</th>
<th>Total Price FOB Destination (Qty X Unit Price)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LUMINAIRE, LED, 70W, DOMED LENS, W/EYE</td>
<td>71207</td>
<td>1,320</td>
<td></td>
<td></td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>2</td>
<td>SHIELD, LUMINAIRE, LED</td>
<td>71895</td>
<td>90</td>
<td></td>
<td></td>
<td>$</td>
<td>$</td>
</tr>
</tbody>
</table>

Sub-total of All Items

Sales Tax @ 10.3%, Location Tax Collected: Tacoma, WA
(Note Paragraph 1.41 of Standard Terms and Conditions)

Total for All Items with Tax: $
## PROPOSAL – SHIPPING DATA

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Conductor Range</th>
<th>Tacoma Power MID #</th>
<th>Standard Packaging (Units per Package)</th>
<th>Lead Time</th>
<th>Minimum Release Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LUMINAIRE, LED, 70W, DOMED LENS, W/EYE</td>
<td>71207</td>
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<td>2</td>
<td>SHIELD, LUMINAIRE, LED</td>
<td>71895</td>
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### NOTES:

1. Quantities listed on the Proposal Pricing Sheets are an estimate only. Actual quantities will be according to purchase order on an as-needed basis.
2. All prices shall be submitted as F.O.B. Destination, freight prepaid and allowed (included in the unit price).
3. If the unit price does not compute to the extended total price, the unit price shall govern.
PROPOSAL – VENDOR INQUIRY

1. Does your firm accept payment by EFT/ACH? ___Y ___N
   (Electronic Funds Transfer (EFT) by Automated Clearing House (ACH))

2. Does your firm accept payment by credit card (Visa)? ___Y ___N
   NOTE: The City of Tacoma will not accept price changes or pay additional fees when a credit card is used.

3. Prompt Payment discount offered _____%, _____ days.
   Only discounts offered of 20 days or more will be considered for bid evaluation purposes.
1. State the number of years the manufacturer has been producing products of a similar scope to those outlined in this Specification. See Section 1.01.3 for minimum qualifications allowed.

   Years

2. Can your firm provide “Manufacturing Representation” as described in Section 1.01.3C of this Specification?

   YES
   NO

   Name of Representative: _______________________________________________
# PROPOSAL – REFERENCES DATA SHEET

(AS DESCRIBED IN SECTION 1.01.3A)
Five (5) references are the minimum allowed

<table>
<thead>
<tr>
<th>UTILITY NAME AND ADDRESS</th>
<th>YEAR PRODUCT SOLD</th>
<th>CONTACT NAME</th>
<th>TELEPHONE NUMBER</th>
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<tbody>
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</table>

# SUB-VENDOR DATA SHEET

(AS DESCRIBED IN SECTION 1.01.4)

<table>
<thead>
<tr>
<th>SUB-VENDOR NAME AND ADDRESS</th>
<th>CONTACT NAME</th>
<th>TELEPHONE NUMBER</th>
<th>DESCRIPTION OF WORK PROVIDED</th>
</tr>
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<tbody>
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SECTION I – SPECIAL PROVISIONS

1.01 - SCOPE OF BID

1.01.1 - PURPOSE
The City of Tacoma (City) / Tacoma Public Utilities (TPU), Tacoma Power is soliciting bids to establish a multi-year supply contract for outdoor type, LED Luminaires and Accessories. The materials outlined in this specification are intended for Tacoma Power’s off-street lighting program.

1.01.1A - AWARD OF CONTRACT
With this solicitation, the City intends to award a single contract and does not anticipate award to multiple Suppliers. Regardless, the City reserves the right to award to one or more Suppliers, or make no award, in the best interest of the City.

1.01.2 - DEFINITIONS
For the purposes of this specification, the following definitions shall apply:

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
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<tbody>
<tr>
<td>RESPONDENT</td>
<td>A potential Supplier offering a submittal to supply equipment in accordance with these Specifications</td>
</tr>
<tr>
<td>SPECIFICATION</td>
<td>This document, detailing the scope of supply</td>
</tr>
<tr>
<td>SUPPLIER</td>
<td>The Respondent(s) awarded a contract pursuant to these Specifications</td>
</tr>
<tr>
<td>SUBVENDOR</td>
<td>Any Supplier of parts, materials, and/or services to the vendor under these Specifications</td>
</tr>
<tr>
<td>EQUIPMENT/MATERIAL</td>
<td>A fully functional piece of equipment/material supplied and tested in accordance with these Specifications</td>
</tr>
<tr>
<td>MANUFACTURER</td>
<td>The original manufacturer of the equipment/material</td>
</tr>
<tr>
<td>ENGINEER</td>
<td>The project engineer and/or contract administrator</td>
</tr>
<tr>
<td>CITY</td>
<td>The City of Tacoma, Tacoma Power</td>
</tr>
<tr>
<td>DELIVERY TIME</td>
<td>The length of time starting at the date of Supplier receipt of a purchase order, purchase order release, or Notice to Proceed and ending at the time that the item(s) are received at Tacoma Power</td>
</tr>
</tbody>
</table>
1.01.3 - QUALIFICATIONS
To further detail the requirements of Section 1.18.A.6 of the City of Tacoma Standard Terms and Conditions, only submittals which offer products from manufacturers experienced in the supply of materials as detailed within this Specification over a period of five (5) years or more will be considered responsive. A responsive submittal will demonstrate a record of successful completion of contracts similar in scope and size to that outlined in this Specification. The City shall be the sole judge of the Respondent’s ability to meet the requirements of this paragraph.

1.01.3A - REFERENCES
Each Respondent shall complete the Proposal – References Data Sheet as required in the proposal section. A minimum of five (5) references over the past five (5) years is required.

1.01.3B - RESPONDENTS ORIGINATING FROM OUTSIDE THE UNITED STATES
Respondents that originate bids from outside the legal jurisdiction of the United States of America will be subject to the City of Tacoma’s Legal Department opinion as to the viability of possible litigation pursuant to a supply contract resulting from this Specification. If it is the opinion of the City of Tacoma’s Legal Department that any possible litigation would be beyond reasonable cost and/or enforcement the bid may be excluded from evaluation.

1.01.3C - MANUFACTURER REPRESENTATION
The Supplier shall have available to Tacoma Power a representative or agent who will provide field and technical support. The agent shall be authorized to coordinate returns and repairs as well as provide support for any matter pertaining to non-compliance with the terms of the Specification.

1.01.4 - SUB-VENDORS
The Respondent shall list, on the Proposal – Sub-Vendor Data Sheet, all sub-vendors it intends to use to fulfill requirements in any part of this Specification. Included in the listing shall be the sub-vendor’s name, address, and telephone number; contact name; and description of work they will perform. It shall be the responsibility of the awarded Supplier to police, enforce, and ensure that all work performed by any sub-vendor shall be in accordance with this Specification.

1.02 - CONTRACT
1.02.1 - CONTRACT PERIOD
The contract is intended for a minimum of three (3) years from the award date of the contract. The Award Date of Contract is the date that the City of Tacoma Purchasing Division issues the contract.

1.02.2 - CONTRACT EXTENSIONS
Two contract extensions of up to one year per occurrence may be considered upon mutual agreement of both parties to extend the contract under the same terms and conditions of the original contract.

1.02.3 - TERMINATION OF CONTRACT
The City reserves the right to cancel the Contract at any time upon prior notice to the Supplier (refer to City of Tacoma Standard Terms and Conditions Section 1.27).
1.03 – RESPONDENT’S PROPOSAL

1.03.1 – RESPONDENT REQUIREMENTS
Submittals must be emailed with the Specification number, Specification Title, and Respondent name in the subject line, and received by the City of Tacoma Purchasing Division by the date and time specified in the “Request for Bids” page or subsequent addenda.

The bid package submitted must be returned with the Respondent’s proposal filed in as directed, including all data requested by the Provisions of these Specifications. All blank spaces on the Proposal forms will be properly populated.

1.03.1A - SIGNATURE PAGE
The “Signature Page” included with the original submittal shall be signed by the responsible company official and include printed or typewritten designation of the office they hold in the company.

1.03.2 - ALTERNATE BIDS
All bids including alternates shall include an original Signature Page. Each bid package submitted must be returned with the Respondent's proposal completed as directed, including all data requested.

1.03.2A - ALTERNATE BID PROPOSALS
Alternate bid proposals must be submitted as a separate bid package and identified as “ALTERNATE”.

1.03.2B - ALTERNATE MATERIALS
If the Respondent elects to bid alternative equipment a Substitution Request Form (Appendix #1) must be submitted by email to Seth Hartz, shartz@cityoftacoma.org, a minimum of ten (10) business days prior to the submittal deadline. Respondents will be notified of an approved or rejected Substitution Request Form no later than five (5) business days prior to the submittal deadline.

An approved Substitution Request Form shall not indicate acceptance of the alternate by the City. Complete data must be submitted with the bid, including the information as requested in Section 1.04 “Items to be Included with Bid”. The data shall demonstrate that the alternative item is of a quality equal to or better than that specified and has the required characteristics for the intended use. Failure to submit such data will render the bid non-responsive.

1.03.2C – ALTERNATE EVALUATION
Upon request, the Respondent shall furnish to the City, within five (5) working days, additional information relating to such alternative items as the City may require. In the event that the equivalency is not readily ascertained from the information supplied by the Respondent, the City may test the material/equipment or have it tested. The City shall be the sole judge as to the equality and suitability of a proposed alternate. The decision of the City as to what items are equal shall be final and conclusive.

1.04 – ITEMS TO BE INCLUDED WITH BID

1.04.1 - PRODUCT DATA SHEETS
The Respondent shall provide manufacturer product data sheets (cut sheets) for each material to be supplied. Manufacturer data furnished must be sufficient in detail and clarity to enable making a complete and positive check that the materials offered in the submittal meet the call of this Specification.
1.04.2 - MANUFACTURER’S QUALITY ASSURANCE POLICY

A copy of the manufacturer’s internal “Quality Assurance” policy for the equipment to be supplied shall be included with the submittal. The policy documents shall include examples of inspection processes and quality control measures utilized to insure supply of a reliable product.

1.05 - EVALUATION & AWARD

Respondents are to provide unit or lump sum pricing for each line item, which will be summed for a subtotal price. Subtotals will be compared amongst each Respondent, including any offered payment discount terms of 20 days or more, as well as price escalation, if any, for years 2 & 3 (Refer to Section 1.05.2B).

1.05.1 - AWARD OF CONTRACT

The Contract will be awarded to the lowest and best responsible Respondent(s) delivering a responsive submittal in compliance with these Specifications, provided such submittal is reasonable and it is in the best interests of the City to accept. The City, however, reserves the right to reject any and all bids and to waive any informalities in bids received. The award of this contract will not be based on cost alone, as other factors will be considered in the evaluation criteria.

1.05.2 - EVALUATION CRITERIA

In evaluating the proposals, the City will consider any or all of the following:

- Compliance with Specifications
- Proposal prices, listed separately if requested, as well as a lump-sum total
- Minimum order requirements

1.05.2A - OTHER ELEMENTS

The City may also take into consideration other criteria for determining award. Other elements or factors, whether or not specifically provided for in this Specification, which would affect the final cost to and the benefits to be derived by the City, may be considered in determining the award of the contract. The final award decision will be based on the best interests of the City.

1.06 – PRICING AND PURCHASE ORDERS

1.06.1 - PRICES QUOTED

Per City of Tacoma Standard Terms and Conditions Section 1.16, the prices quoted on the Proposal – Pricing Sheet shall remain open for acceptance by the City for a minimum of 90 days from the submittal deadline. The prices quoted on the proposal sheets shall be firm for the first year of the contract. Subsequently the prices will be adjusted annually per Section 1.06.4.

1.06.2 - FREIGHT ALLOWANCES

The Respondent shall provide prices including delivery F.O.B. Destination as noted on the Proposal – Shipping Data sheet.

1.06.3 - QUANTITIES AND PURCHASE ORDERS

The quantities listed on the Proposal Pricing Sheets are an estimate only. Delivery will be according to purchase order on an as-needed basis throughout the period of the contract. The City reserves the right to increase or decrease quantities under this contract and pay according to the unit prices quoted in the proposal (refer to City of Tacoma Standard Terms and Conditions Section 1.35). The purchase order will be delivered to the Supplier by email.
1.06.4 - ANNUAL PRICING ADJUSTMENT
The successful Respondent(s) may submit a request to escalate the unit prices of the items bid annually, on the anniversary date of the contract award. Documentation supporting the request shall be included.

Price increases will be adjusted only to the amount of cost increase to Contractor. No adjustment will be made for Contractor profit margin. The City reserves the right to accept or reject all such price adjustments.

Increase requests may be evaluated against various market conditions, including but not limited to:

- Consumer Price Index for Seattle - Tacoma - Bremerton, All Items 1982-84+100, for the comparable period.
- Consumer Price Index for All Urban Consumers (CPI-U) for the U.S. City Average Index for All Items, 1982-84=100, unadjusted (http://www.bls.gov/ro9/ro9news.htm) for the comparable period.
- State/federal regulations affecting production costs of the materials.
- Volatile commodity market conditions.
- Various producer price or commodity indices.
- Minimum wage adjustments.

1.06.5 - UNSCHEDULED ADJUSTMENTS
At the City’s discretion, the pricing adjustment terms may be waived for extraordinary conditions that could not have been known by either party at the time of bid or other circumstances beyond the control of both parties.

Requests for increases or decreases, other than scheduled, shall be sent to the Engineer/Contract Manager accompanied by documentation supporting the requested change. No other individual or City Department is authorized to approve such modifications. Changes shall be considered effective upon Supplier’s receipt of a revised contract document. Concurrence is implied unless Supplier rejects the changes in writing immediately upon receipt of the revised contract document.

1.06.6 - PROMOTIONAL PRICING
City is entitled to any promotional pricing during contract period that is lower than the Vendor’s pricing as provided in the Proposal – Pricing Sheet. This promotional pricing shall include, but not be limited to: sale prices, price lowering, and/or lump-sum rebates.

1.07 - PACKING AND SHIPPING
The Supplier shall be responsible for industry standard packing that conforms to the requirements of the carrier’s tariffs and the ICC regulations.

1.07.1 – LUMINAIRE PACKING REQUIREMENTS
Luminaires shall be individually packaged to prevent damage during shipping and storage.

1.07.1A – LUMINAIRE LABELING
Each package shall include the following information:

- Manufacturers Name
Each pallet shall include the following information:

- Tacoma Power Stock Material Number (MID)
- Quantity
- City of Tacoma Purchase Order Number

1.07.2 – ACCESSORY PACKING REQUIREMENTS
Luminaire accessories shall be packaged in a manner to prevent damage during shipping and storage.

1.07.2A – ACCESSORY LABELING
Each package shall include the following information:

- Manufacturers Name
- Manufacturers Catalog Number

1.07.3 - SHIPPING REQUIREMENTS
Materials shall be shipped in such a fashion that they will arrive at the City without transit-associated damage. A complete packing list must be included.

Tacoma Power reserves the right to request a change in shipping company utilized by the Supplier based upon history of damaged goods delivered to Tacoma Power and/or evidence of unsafe work practices by the shipping company.

1.07.4 - SHIPPING NOTICE
The shipper shall notify the Tacoma Power Warehouse a minimum of 24 hours prior to arriving at delivery destination. This notice may be sent via phone or email and is required to convey final delivery information and insure sufficient staff available to unload cargo.

<table>
<thead>
<tr>
<th>Tacoma Power Warehouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact</td>
</tr>
<tr>
<td>Phone Number</td>
</tr>
<tr>
<td>Email Address</td>
</tr>
</tbody>
</table>

1.08 - DELIVERY

1.08.1 - DELIVERY DATE
The Respondent must guarantee delivery times as stated on the Proposal– Shipping Data sheet of the proposal section. The delivery time will be enforced for all releases of this contract and any contract renewals.

1.08.2 - DELIVERY TIME
The completed items shall be delivered between 9:00 a.m. and 3:30 p.m. Monday through Friday excluding City observed holidays as listed in City of Tacoma Standard Terms and Conditions Section 1.24.
1.08.3 - DELIVERY LOCATION
Deliver completed items F.O.B. as directed by the purchase order release to either:

<table>
<thead>
<tr>
<th>Location 1</th>
<th>Location 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tacoma Power Warehouse</td>
<td>Tacoma Power</td>
</tr>
<tr>
<td>3628 South 35th Street</td>
<td>South Service Center</td>
</tr>
<tr>
<td>(rear)</td>
<td>3002 224th St. E</td>
</tr>
<tr>
<td>Tacoma, Washington 98409</td>
<td>Spanaway, WA 98387</td>
</tr>
<tr>
<td>Attention: TPU Light</td>
<td></td>
</tr>
<tr>
<td>Stores - South End</td>
<td></td>
</tr>
</tbody>
</table>

1.08.3A – ALTERNATE DELIVERY LOCATION
The City retains the option to have the merchandise delivered to an alternate facility or on-site within a 35-mile radius of the Tacoma Power Warehouse. Notification of any change will be on the purchase order release.

1.09 - INSPECTION & WARRANTY
All goods are subject to final inspection and acceptance by the Engineer and/or Tacoma Power Warehouse employees.

1.09.1 - FAILURE OF INSPECTION
Materials received damaged or failing to meet the requirements of this contract will be held at the Supplier’s risk and may be returned to Supplier. If so returned, the cost of transportation, unpacking, inspection, repackaging, reshipping, or other like expenses are the responsibility of the Supplier.

Charges for dismantling and reinstallation of materials furnished pursuant to the Contract will be the responsibility of the Supplier only when a change out or replacement is required because of a suspected or known design defect or large scale failure of manufacturer's quality control system.

1.09.2 - WARRANTY
The Supplier and/or manufacturer of the supplies shall warrant all materials and workmanship delivered under any resulting contract to be free from defects or failure for any reason whatsoever which the City may reasonably determine is the responsibility of the Supplier, for a minimum of ten (10) years after the date of final acceptance. All items found to be defective and/or not meeting the requirement of these Specifications shall be replaced with new like product within the specified lead-time for delivery in the bid proposal. Charges for the transportation/freight of replacement items will not be allowed.

When the Supplier is not the manufacturer of the item of equipment, Supplier agrees to be responsible for this warranty and Supplier is not relieved by a manufacturer's warranty.

1.10 - INVOICES & PAYMENT
All items called for in these Specifications, including but not limited to, the necessary drawings and test results, must be supplied to the City before the final invoice can be processed.

1.10.1 - INVOICES
Invoices shall be emailed to:
(Per Section 1.39 of the Standard Terms and Conditions) AccountsPayable@cityoftacoma.org
1.10.2 - PAYMENT
Upon certification by the Engineer and/or appropriate warehouse personnel that the items have been received in accordance with the Specifications and are in satisfactory condition, a 100 percent payment will be made. Payment methods include:

A. Credit card. Tacoma’s VISA procurement card program is supported by standard bank credit Suppliers and requires merchants abide by the VISA merchant operating rules.
   1. Vendors must be PCI–DSS compliant (secure credit card data management).
   2. Vendors must be set up by their card processing equipment provider (merchant acquirer) as a minimum of a Level II merchant with the ability to pass along tax, shipping and merchant references information.

B. Electronic Funds Transfer (EFT) by Automated Clearing House (ACH).

C. Check or other cash equivalent.

D. The City may consider cash discounts when evaluating submittals. See 1.20.A.2 of the Standard Terms and Conditions.

1.10.2A - UNSATISFACTORY PERFORMANCE
In the case of unsatisfactory performance, the payment shall be made after the Supplier has made the necessary repairs and/or modifications and satisfactory performance is obtained, or the unit is replaced.

1.11 - SAFETY AND STANDARDS
The Items supplied shall meet appropriate ANSI, OSHA, WISHA, and all federal, state, and local standards for its intended use.

1.12 - EQUITY IN CONTRACTING
The City of Tacoma is committed to encouraging firms certified through the Washington State Office of Minority and Women’s Owned Business Enterprises to participate in City contracting opportunities. See the TMC 1.07 Equity in Contracting Policy at the City’s Equity in Contracting Program website.

1.13 - STANDARD TERMS AND CONDITIONS
City of Tacoma Standard Terms and Conditions apply.
II - TECHNICAL PROVISIONS

2.01 - SCOPE
The Technical Provisions of these Specifications detail the minimum performance criteria and physical requirements for side-mount, outdoor type, light-emitting-diode (LED) area and security luminaires and their accessories.

2.02 - STANDARDS
LED luminaries shall meet the most recent editions of the following standards and all others that are applicable as referenced in these Specifications.

<table>
<thead>
<tr>
<th>Standard Number</th>
<th>Standard Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI C78.377</td>
<td>Specifications for the Chromaticity of Solid State Lighting (SSL) Products</td>
</tr>
<tr>
<td>UL 1598</td>
<td>Luminaires; UL</td>
</tr>
<tr>
<td>C136.22</td>
<td>American National Standard for Roadway and Area Lighting Equipment – Ingress Protection (Resistance to Dust, Solid Objects and Moisture) for Luminaire Enclosures</td>
</tr>
<tr>
<td>ANSI C136.31</td>
<td>American National Standard for Roadway Lighting Equipment – Luminaire Vibration</td>
</tr>
<tr>
<td>ANSI C136.41</td>
<td>Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver</td>
</tr>
<tr>
<td>ASTM D2247.68</td>
<td>Standard Method for Testing Coated Metal Specimens At 100% Relative Humidity</td>
</tr>
<tr>
<td>IES LM-80</td>
<td>Approved Method: Measuring Lumen Maintenance of LED Lighting Sources</td>
</tr>
<tr>
<td>IES TM-21</td>
<td>Projecting Long Term Lumen Maintenance of LED Light Sources</td>
</tr>
</tbody>
</table>

2.03 – GENERAL
The luminaire shall be designed and constructed to meet the requirements of ANSI C136.37. Luminaire features conforming to ANSI C136.37 shall include, but not be limited to: mounting provisions, latching and hinging, terminal blocks, dimming, ingress protection, wiring and grounding, and photo-control receptacle.
Luminaire shall be RoHS (European Union Directive 2002/95/EC for Restriction of Hazardous Substance) compliant. Luminaire shall have less than the maximum concentration values of the following RoHS restricted substances:

- Mercury (Hg)
- Cadmium (Cd)
- Chromium VI (Cr +6)
- Polybrominated biphenyl (PBB)
- Polybrominated biphenyl ether (PBDE)
- Lead (Pb).

**2.04 – LUMINAIRE PERFORMANCE**

<table>
<thead>
<tr>
<th>Description</th>
<th>70W Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temp, ambient range:</td>
<td>-40°C to +50°C</td>
</tr>
<tr>
<td></td>
<td>-40°F to +122°F</td>
</tr>
<tr>
<td>Correlated Color Temperature (CCT)</td>
<td>5500°K ± 300</td>
</tr>
<tr>
<td>Total flux per LM-79</td>
<td>5500K – &gt; 6500 lumens</td>
</tr>
<tr>
<td>Lumen depreciation of LED light sources per IES LM-80/TM-21</td>
<td>L70 (10,000) &gt;60,000 hours</td>
</tr>
<tr>
<td></td>
<td>L70 (TM-21) &gt;100,000 hours</td>
</tr>
<tr>
<td></td>
<td>LM at 100,000 hours = 93.95%</td>
</tr>
<tr>
<td>Color rendering index (CRI)</td>
<td>&gt;70</td>
</tr>
<tr>
<td>Backlight, Uplight and Glare (BUG) rating</td>
<td>Standard Cutoff – B3, U2, G2 F</td>
</tr>
<tr>
<td>Luminaire efficacy, type V distribution per IES LM-79, Section 11.0</td>
<td>&gt;90 Lumens/Watt</td>
</tr>
<tr>
<td>Off-state power consumption, NEMA photo control device</td>
<td>&lt;0.5 Watts</td>
</tr>
<tr>
<td>On-state power consumption, NEMA excluding photo control device</td>
<td>70 Watts ± 10</td>
</tr>
<tr>
<td>Light distribution per IES Handbook</td>
<td>Type V</td>
</tr>
</tbody>
</table>
## 2.05 – POWER SUPPLY/DRIVER PERFORMANCE

<table>
<thead>
<tr>
<th>Description</th>
<th>Bid Item #1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage</td>
<td>90 to 277 VAC 50/60HZ</td>
</tr>
<tr>
<td>Power factor</td>
<td>&gt;0.90</td>
</tr>
<tr>
<td>Total harmonics distortion at full power at specified voltage</td>
<td>&lt;10% @ 120 VAC</td>
</tr>
<tr>
<td></td>
<td>&lt;20% @ 277 VAC</td>
</tr>
<tr>
<td>Surge protection per ANSI/ IEEE C62.42.2 – 2002</td>
<td>20kV/10kA Replaceable surge module</td>
</tr>
<tr>
<td></td>
<td>Location Category C – High</td>
</tr>
<tr>
<td>Interference</td>
<td>FCC 47 CFR part 15/18, Class A</td>
</tr>
<tr>
<td>Thermal protection</td>
<td>Thermal feedback for LED overheating protection</td>
</tr>
<tr>
<td>Driver life</td>
<td>&gt;100,000 hours</td>
</tr>
<tr>
<td>Inrush current</td>
<td>&lt;2A during photocell transition</td>
</tr>
<tr>
<td>Driver thermal protection</td>
<td>Thermally encapsulated to increase reliability</td>
</tr>
</tbody>
</table>

## 2.06 – LIGHTING AND DIMMING CONTROLS

<table>
<thead>
<tr>
<th>Description</th>
<th>Bid Item #1</th>
</tr>
</thead>
<tbody>
<tr>
<td>photo control</td>
<td>Integrated solid-state long-life photo controller</td>
</tr>
<tr>
<td></td>
<td>&lt;5mW power draw @ 277v</td>
</tr>
<tr>
<td>Photo control failure protection</td>
<td>Backup controller to ensure continuous dusk/dawn operation in event of a photo control failure</td>
</tr>
<tr>
<td>Luminaire remote control</td>
<td>Application for control of:</td>
</tr>
<tr>
<td></td>
<td>• Commissioning/decommissioning</td>
</tr>
<tr>
<td></td>
<td>• Brightness settings</td>
</tr>
<tr>
<td></td>
<td>• Custom dimming schedules</td>
</tr>
<tr>
<td>Dimming range</td>
<td>20% - 100%</td>
</tr>
</tbody>
</table>
2.07 – CONSTRUCTION

<table>
<thead>
<tr>
<th>Description</th>
<th>Bid Item #1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing construction</td>
<td>Cast aluminum housing with integral heat sink</td>
</tr>
<tr>
<td>Finish</td>
<td>Gray powder coat</td>
</tr>
<tr>
<td>Mounting</td>
<td>Accepts 1-1/4” or 1” arm Adjustable angle + 5%</td>
</tr>
<tr>
<td>3G Vibration withstand</td>
<td>ANSI C136.31-2010 Luminaire Vibration - Level 2 Bridge/Overpass</td>
</tr>
<tr>
<td>Ease of Installation/Maintenance</td>
<td>Tool-less access panel 66” pigtails standard or 10’, 20’ or none as options</td>
</tr>
<tr>
<td>Optical Lens</td>
<td>Diffused textured glass to reduce glare</td>
</tr>
<tr>
<td>Photo control</td>
<td>UV-stabilized polycarbonate housing</td>
</tr>
<tr>
<td>Shield</td>
<td>Optional three position (including backlight) field-installable shield</td>
</tr>
<tr>
<td>Single unit net weight</td>
<td>&lt; 10 lbs</td>
</tr>
</tbody>
</table>

2.08 – APPROVED MANUFACTURERS

The following manufacturers have been approved for supply of LED Luminaires and Accessories intended for Tacoma Power’s off-street lighting program:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Item Description</th>
<th>MFG</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LUMINAIRE, LED, 70W, DOMED LENS, W/EYE</td>
<td>EvLuma</td>
<td>AM-70-5-V-D-P-STD-10</td>
</tr>
<tr>
<td>2</td>
<td>SHIELD, LUMINAIRE, LED</td>
<td>EvLuma</td>
<td>LTS</td>
</tr>
</tbody>
</table>
APPENDIX #1

SUBSTITUTION REQUEST FORM
Prospective bidders may request the use of substitute materials below.

All requests must be submitted electronically, via e-mail to shartz@cityoftacoma.org no later than ten (10) business days prior to the submittal deadline.

Manufacturer/Model: ________________________________

Manufacturer Contact Information

Name/Title: ______________________________________

Phone Number: __________________

E-Mail: __________________________

Describe the differences between the proposed substitution and specified material:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Please attach documentation from manufacturer that certifies the material meets all the criteria outlined in Technical Specifications of this bid specification.

Contractor Name: ______________________________

Preparer Name/Title: ____________________________

Mailing Address: ________________________________

Phone Number: _______________________________

E-Mail: _______________________________________

Signature: ____________________________________
Tacoma Public Utilities

INTERNAL USE ONLY

☐ Approved as Substitute*

☐ Rejected – Material Not Acceptable

☐ Rejected – Inadequate Information

☐ Rejected – Request Received After Deadline

*Subject to review and approval of submittal documents

Remarks

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Reviewer Name/Title: ________________________________

Signature: ________________________________ Date: __________________________