CITY OF CHICAGO DEPARTMENT OF PROCUREMENT SERVICES .OOM 403, CITY HALL, 121 N. LASALLE STREET

FOR NCRB USE ONL	Υ
Date 07/03/12	
Recommend Approval	g
Return To Dept.	q
Reject	q
Vote 4 - 0	

NON-COMPETITIVE REVIEW BOARD (NCRB) JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT

COMPLETE THIS SECTION IF NEW CONTRACT

For contract(s) in this request, fill in each of the four (4) major subject areas below in accordance with the **Instructions for Preparation of Non-Competitive Procurement Form** on the reverse side. Complete "Other" subject area if additional information is needed. Subject areas must be fully completed. Responses merely referencing attachments will not be accepted.

Request that negotiations be conducted only with New Bedford Panoramex Corporation for the product(s) and/or service(s) described herein. This is a request for: ☑ One-Time Contractor Requisition #: ______, co , copy attached or Term Agreement or Delegate Agency (Check one). If Delegate Agency, this request is for "blanket approval" for all contracts within the (Attach List). Pre-Assigned Specification No.: Pre-Assigned Contract No.: COMPLETE THIS SECTION IF AMENDMENT OR MODIFICATION TO CONTRACT Describe in detail the change in terms of dollars, time period, scope of services, etc., its relationship to the original contract and the specific reasons for the change. Indicate both the original and the adjusted contract amount and/or expiration date with this change, as applicable. Attach copy of all supporting documents. Request approval for a contract amendment or modification to the following: Contract #: Company or Agency Name: Contract or Program Description: pecification #: Modification #: Attach List, if multiple) 773-462-7314 **Aviation** 05/18/2012 Aurelio Garcia Originator Name Telephone Department Date (mm/dd/yr) PROCUREMENT HISTORY A new Approach Lighting with Seguential Flashers (ALSF-2) system is required for one new runway at O'Hare International Airport in support of Completion Phase of the O'Hare Modernization Program. The construction and operation of the O'Hare Modernization Program's southernmost runway, Runway 10R-28L, requires that ALSF-2 equipment be installed to support Category II/III instrument approach procedures. ALSF-2 will provide uninterrupted availability of the runway during inclement weather conditions. The purpose of the ALSF-2 system is to provide the basic means to transitio<mark>n from instrument flight to visual flight for landing.</mark> Operational requirements dictate the sophistication and configuration of the approach light system for a particular runway. The ALSF-2 provides visual information on runway alignment, height perception, roll guidance, and horizontal references for Category II/III instrument approaches. The new equipment must be supplied by an equipment manufacturer/vendor that has been certified by the Federal Aviation Administration. New Bedford Panoramex Corporation (NBP) 1037 W. 9th Street, Upland, CA 91786, currently is the only FAA certified vendor of ALSF-2 equipment (documentation is provided). Therefore competitive bidding is not possible.

The FAA assumes ownership and maintenance responsibilities after final acceptance of Runway 10R-28L NAVAIDS (Navigational Aids) contract completion, anticipated by 4th Quarter 2015.

The OMP previous purchase with New Bedford Panoramex Corporation, contract number 14407, provided five ALSF-2 systems.

X ESTIMATED COST

The estimated cost for the ALSF-2 equipment and technical expertise provided by NBP to support the commissioning of this runway is ,983,403. This cost estimate is based upon current agreed pricing between NBP and the OMP for standard ALSF-2 equipment. The ugreed upon cost includes auxiliary equipment and spares that are required by the FAA for long-term maintenance.

SCHEDULE REQUIREMENTS

The current schedule for the OMP requires completion of Runway 10R-28L by 4th Quarter 2015. The estimated time for fabrication of

the ALSF-2 equipment is 12 months. An additional 6 months is required to install the equipment.

EXCLUSIVE OR UNIQUE CAPABILITY

New Bedford Panoramex is the only source that meets the requirements of FAA Specification FAA-E-2689A which governs the supply of ALSF systems. Their ALSF-2 system is the only approach lighting system that is certified and accepted by the FAA for Precision Approach, CAT II/III Runways.

The open market for Approach Lighting Systems has manufacturers other than New Bedford Panoramex. Honeywell, and Siemens systems provide functions very similar to New Bedford Panoramex's ALSF-2, but are not approved by the FAA. Their systems are typically used for military or airports outside of FAA jurisdiction.

OTHER

The uniqueness of the ALSF-2 does not provide any MBE/WBE firms that qualify for this supply contract, needed for the runway commissioning.

System production is in Upland, California, and New Bedford Panoramex, as on previous contracts, intends to hire a local WBE named J&J Motor Service for shipping. The contract price will include 2% for their shipping costs.

Primary personal to participate in the NCRB hearing: Jonathan Leach, Aurelio Garcia and Jim Chilton

AP	PR	OVE	D BY:

DEPARTMENT HEAD OR DESIGNEE

DATE

BOARD CHAIRPERSON

TERRENCE GLAU

07/03/12 DATE

PRINTNAME

CHIEF PROCUREMENT OFFICER

PRINT NAME

DATE OF APPROVAL

DPS PROJECT CHECKLIST

Mandatory Pre Bid/Submittal Conference? ☐ Yes* ☒ No

*If yes, explain reasons why mandatory attendance is necessary.

Yes No

Requesting Site Visit?

IMPORTANT: ALL INFORMATION SHOULD BE COMPLETED, ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR ROUTING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM

403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602, ATTENTION: CHIEF

For DPS Use Only

Date Received

Date Returned

Date Accepted

CA/CN's Name

PROCUREMENT OFFICER. General Information: Date: 04/03/12 Need by (estimated date): Upon Approval Requisition No.: 69644 Contact Person: Project Manager: Specification No.: (if known) 51476 Aurelio Garcia John Sisco PO No.: (if known) Telephone: 7734627314 Telephone: -7734627300 Modification No.: (if known) Fax: 7734628552 Fax: Previous PO No.: (if known) Email: aurelio.garcla@ex.yofchicago.org Email: Project Description: New Bedford Panoramex Corp.---Request for Approval of Non-Competive Bid Contract to Procure ALSF-2 Systems for R/W 10R-28L Funding: City: ☐ Corporate ☑ Bond ☐ Enterprise ☐ Grant* Other: State: □ IDOT/Transit □ IDOT/Highway ☐ Grant* Other: Federal: ☐ FHWA ☐ FTA □ FAA ☐ Grant* ☐ Other: LINE **FUND DEPT ORGN APPR ACTV** PROJECT RPTG **\$ DOLLAR AMOUNT** Term Estimated Value \$1983403 *IF GRANT FUNDED, ATTACH COPY OF THE APPROVED GRANT AND APPLICATION AND ANY OTHER TERMS AND CONDITIONS OF FUNDING SOURCE THAT MAY APPLY. GRANT FUNDS MUST BE ____COMMITTED OR ____SPENT BY DEADLINE: _(DATE) Scope Statement: Attached is a Detailed Scope of Services and/or Specification. E-mail softcopy In Microsoft Word to DPS Unit Manager **IMPORTANT:** THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR DPS TO ACCEPT YOUR SUBMITTALYOU MUST COMPLETE THE SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT UNIT. Purchase Order Type (Check All That Apply): **New Request** Modification/Amendment □ Blanket/Term/DUR/Agreement ☐ Time Extension** ☐ Master Agreement (Task Order) ☐ Vendor Limit Increase Standard/One-Time Purchase ☐ Scope Change/Price Increase/Additional Line Item(s) **Forms** Other (specify): □ Requisition ☐ Special Approvals Non-Competitive Review Board (NCRB) Contract Term: ** Requested Term (Number of Months): Pre-Bid/Submittal Requirements:

The following is a general description of what should be included in a Scope of Services or Specification:

A clear description of all anticipated services and products, including: time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

	ct, services required,	deliverables, and other	information as require
Risk Management			
Current Insurance Requirements prepared/approved by Risk Management:		⊠ Yes	□No
Will services be performed within 50 feet of CTA train or other railroad property?			⊠ No
Will services be performed on or near a waterway?			⊠ No
Will services be performed on or hear a waterway:		☐ fes	M NO
If applicable, Pre-Qualification Category No. Category	Description:		
For Pre-Qualification Program, attach list of suggested firms to be solicited	1111		
Other Agency Concurrence Required: □None □State □ Federal □ Other			
If Amendment request, please verify and provide the following:			
Contractor's Name:			
Contractor's Address:			
Contractor's e-mail Address:			
Contractor's Phone Number:			
Contractor's Contact Person:			
Attach Recommendation of MBE/WBE/DBE Analysis Form		□Yes	⊠ No
And the sound of the last of t		L1 163	M INO
AVIATION CONSTRUCTION SUPPLEMENTAL CHECKLIST			
DOA sign-off for final design documents:			
DOX digit on for final design documents.		☐ Yes	☐ No
DON Sign on for final accign accuments.		Yes	□ No
Required Attachments:		☐ Yes	□ No
		☐ Yes	□ No
Required Attachments:		☐ Yes	□ No
Required Attachments:		☐ Yes	□ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications		☐ Yes	□ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property?			□ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management:		☐ Yes	□ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property?		□ Yes	□ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section.		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)?		□ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section.		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
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Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)?		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)? *If yes, attach Confidentiality Statement Attach Recommendation of MBE/WBE/DBE Analysis Form		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)? *If yes, attach Confidentiality Statement Attach Recommendation of MBE/WBE/DBE Analysis Form If Amendment request, please verify and provide the following:		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)? *If yes, attach Confidentiality Statement Attach Recommendation of MBE/WBE/DBE Analysis Form If Amendment request, please verify and provide the following: Contractor's Name:		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)? *If yes, attach Confidentiality Statement Attach Recommendation of MBE/WBE/DBE Analysis Form If Amendment request, please verify and provide the following: Contractor's Name: Contractor's Address:		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No
Required Attachments: Copy of Draft Contract Documents and Detailed Specifications Risk Management: Current Insurance Requirements prepared/approved by Risk Management: Will work be performed within 50 feet of CTA or ATS structure or property? Will work be performed airside? *NOTE: Any non-construction Aviation request, complete the applicable section. Do bid documents contain Sensitive Security Information (SSI)? *If yes, attach Confidentiality Statement Attach Recommendation of MBE/WBE/DBE Analysis Form If Amendment request, please verify and provide the following: Contractor's Name:		☐ Yes ☐ Yes ☐ Yes	□ No □ No □ No

COMMODITIES SUPPLEMENTAL CHECKLIST			
Required Attachments:			
☐ Detailed Specifications (Scope of Services) including detailed description of the product, delivery location	n, user departm	ent contac	t, price escalatio
considerations			101
☐ Bidder's qualification, contract term and extension options			
☐ Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of	any applicable t	echnical st	andards
Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.			
Attach Recommendation of MBE/WBE/DBE Analysis Form	☐ Yes	☐ No	
Is this a Revenue Producing contract?	☐ Yes	☐ No	
If Modification request, please verify and provide the following:			
Contractor's Name:			
Contractor's Address:			
Contractor's e-mail Address:			
Contractor's Phone Number:			
Contractor's Contact Person:			
CONSTRUCTION SUPPLEMENTAL CHECKLIST			
Required attachments:			
Copy of Draft (80% Completion), Contract Documents and Detailed Specifications			
Risk Management			
Current Insurance Requirements prepared/approved by Risk Management:	☐ Yes	☐ No	
Will services be performed within 50 feet of CTA train or other railroad property?	☐ Yes	☐ No	
Will services be performed on or near a waterway?	☐ Yes	☐ No	
Attach Recommendation of MBE/WBE/DBE Analysis Form	☐ Yes	□ No	
If Modification request, please verify and provide the following:			
Contractor's Name:			
Contractor's Address:			
Contractor's e-mail Address:			
Contractor's Phone Number:			
Contractor's Contact Person:			
PROFESSIONAL SERVICES SUPPLEMENTAL CHECKLIST			
If New Request (Check applicable boxes):			
Is this a Request for Information (RFI)?	☐ Yes	☐ No	
Is this a Request for Qualifications (RFQ)?	☐ Yes	□ No	
Is this a Request for Proposal (RFP)?	☐ Yes	☐ No	
If RFQ or RFP, did any outside Consultant provide advice or deliverables in developing the RFQ or RFP?	☐ Yes*	☐ No	
*If yes, Company Name: PO#			
Attach a narrative explaining the consulting services and deliverables provided.			
Is this a Non-Competitive Procurement?	☐ Yes*	☐ No	
*If yes, attach completed Non-Competitive Justification form, vendor proposal and completed MBE/WBE com submitted to the Non-Competitive Review Board.	pliance plan (Scl	nedules C-	1 and D-1)
Is this a request for Individual Contract Services?	☐ Yes*		
*If yes and you seek a sole source contract to hire a person as a Consultant, attach completed Office of Comp	oliance "Request	for Individ	ual Contract
Services" approval form signed by Department Head, Office of Compliance & OBM.			
Is this a Revenue Producing contract?	☐ Yes	□ No	
Does this request involve the nurchase of Software?		□ A1a	
Does this request involve the purchase of Software? *If yes, is City required to sign a software license?	☐ Yes*		
If yes, attach descriptions of software and software license agreement.	☐ Yes	☐ 140	
in you, attach accomptions of softmare and softmare ficerise agreement.			

PROFESSIONAL SERVICES SUPPLEMENTAL CHECKLIST (continued)	
Required Attachments (IF RFP/RFQ OR SOLE SOURCE):	4
☐ Statement of Work (SOW), Deliverables or Scope of Services defined	
Does SOW involve any work in the public way?	☐ Yes* ☐ No
*If yes, attach list of locations.	
Does SOW involve any public improvement to property that requires performance bond or prevailing wage?	☐ Yes* ☐ No
*If yes, attach list of locations.	
Is City Council approval required?	☐ Yes ☐ No
☐ Project or Program Background Information	
☐ Project Goals and Objectives	
☐ Qualifications or Licenses/Certifications required for any disciplines	
☐ Evaluation Criterion desired in RFP or RFQ	
☐ Evaluation Committee (EC) members recommended. Attach list of names, titles and departments	
☐ Technical and/or Functional Requirements, if applicable	
Cost Proposal/Schedule of Compensation structure (If Sole Source, over Contract Term by Milestone Deliver	erables)
If an Information Technology (IT) project valued at \$100,000.00 or more, attach approval transmittal sheet fr	rom Information Technology Governance
Board (ITGB)	
Attach Decomposition of MDE/MDE/DDE Analysis Form	
Attach Recommendation of MBE/WBE/DBE Analysis Form	☐ Yes ☐ No
If Amendment request, please verify and provide the following:	
Contractor's Name:	
Contractor's Address:	
Contractor's e-mail Address:	
Contractor's Phone Number:	
Contractor's Contact Person:	
VEHICLES/HEAVY EQUIPMENT SUPPLEMENTAL CHECKLIST	
Required Attachments:	
Detailed Specifications including detailed description of the vehicle(s) or equipment, mounted equipment, if a	any, and options/accessories
Special Provisions (Delivery, Warranty, Manuals, Training, Additional Unit Purchase Options, Bid Submittal I	Information, etc.)
☐ Delivery Location(s)	
☐ Technical Literature	
☐ Drawings, if any	
Part Number List (Manufacturer, or Dealer; or Other Source)	
☐ Current Price List(s)/Catalog(s)	
☐ Special Approval Form	
☐ Exhibits and Attachments	
Attach Recommendation of MBE/WBE/DBE Analysis Form	☐ Yes ☐ No
Is this a Revenue Producing Contract?	Yes No
is this a revenue i roddering Sommastr	☐ Tes ☐ NO
If Modification request, please verify and provide the following:	
Contractor's Name:	
Contractor's Address:	
Contractor's e-mail Address:	
Contractor's Phone Number:	*
Contractor's Contact Person:	

WORK SERVICES/FACILITY MAINTENANCE SUPPLEMENTAL CHECKLIST Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the work, locations (with supporting detail), user department contacts, work hours/days, laborer/supervisor mix, compensation and price escalation considerations ☐ Bidder's qualification, contract term and extension options Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards ☐ Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate ☐ If an Information Technology (IT) project valued at \$100,000.00 or more, attach approval transmittal sheet from Information Technology Governance Board (ITGB) **Risk Management:** Will services be performed within 50 feet (50') of CTA train or other railroad property? ☐ Yes ☐ No Will services be performed on or near a waterway? ☐ Yes ☐ No Will services require the handling of hazardous/bio-waste material? ☐ Yes ☐ No Will services require the blocking of streets or sidewalks which may affect public safety? ☐ Yes ☐ No Attach Recommendation of MBE/WBE/DBE Analysis Form ☐ Yes ☐ No Is this a Revenue Producing contract? ☐ Yes ☐ No If Modification or Amendment request, please verify and provide the following: Contractor's Name: Contractor's Address: Contractor's e-mail Address: Contractor's Phone Number:

Contractor's Contact Person:



CHICAGO DEPARTMENT OF AVIATION CITY OF CHICAGO

To:

Jamie L. Rhee

Chief Procurement Officer

Attention:

James McIsaac

Deputy Procurement Officer

From:

Rosemarie S. Andolino

Commissioner, Department of Aviation

Subject:

New Bedford Panoramex Corporation

Approach Lighting with Sequential Flashers (ALSF-2) - Purchase

Justification for Non-Competitive Procurement -

MBE/WBE Waiver Request

I am writing on behalf of the Chicago Department of Aviation (CDA) to request that the above referenced sole source equipment supply agreement include a stated goal of .92% for the participation of Women Business Enterprises (WBEs).

As has been reviewed by the Non-Competitive Procurement Review Board, New Bedford Panoramex Corporation is the sole source for this FAA specified equipment. The manufacturing and assembling activities for this equipment will take place at the supplier's facilities in California. No local manufacturing will be performed. However, New Bedford Panoramex Corporation has contracted with J&J Motor Service, a local area WBE firm for shipping. Therefore, limited participation is available for WBE. New Bedford's letter regarding "Utilization of MBE/WBE in the Chicago Area" letter dated July 5, 2012 and supporting documentation, including Schedules C1 and D1, are attached hereto.

Based on the supporting documentation attached, the CDA recommends a WBE participation goal of .92%. The CDA will proceed on the captioned project upon your approval of the proposed .92% WBE participation goal. We require the usual and customary Department of Procurement Services' Goal Reply Memorandum stating approval of the WBE goal for our records. The CDA will continue to encourage additional MBE/WBE participation for this project. There will be an opportunity for additional MBE/WBE participation by the general contractor of the 10R-28L Project once it is bid out.

Your consideration of this request is greatly appreciated. If any additional information is required please contact Aurelio Garcia at (773) 462-7314.

Reviewed by: Jonathan Leach, Managing Deputy Commissioner

cc: Terrence Glavin

Steve Laboda Kevin Moran



1480 N. Claremont Blvd. Claremont, CA 91711

V 909.982.9806 F 909.985.6217

www.nbpcorp.com

05 July 2012

Ms. Rosemarie S. Andolino Commissioner, Department of Aviation 10510 W. Zemke Road Chicago, IL 60666

Subject: ALSF-2 Procurement
Utilization of MBE/WBE in the Chicago Area

Dear Ms. Andolino:

New Bedford Panoramex (NBP) is currently the only FAA qualified manufacturer of the ALSF-2 approach lighting system used at all major airports throughout the United States. To date, NBP has delivered over eighty (80) ALSF-2 systems to the FAA and other customers. Five of these systems were purchased directly by the City of Chicago in 2006. The O'Hare Modernization Program has requested and NBP has submitted a proposal for the delivery of two additional ALSF-2 systems to the City of Chicago.

ALSF-2 is a complex electronics system that is fully assembled and tested at our facility in Claremont, California. NBP purchases a few subassemblies and processes from pre-qualified long-term local vendors. Most such assemblies require costly specialized tooling and expertise. These vendors have been qualified to our stringent requirements, based on the FAA's specifications, over a number of years. Any material, and/or process change (including the utilization of new suppliers) requires an engineering change notice/order which may require additional testing. All Class I and Class II (Class I changes affect form, fit and function while Class II changes do not) changes require the FAA's Quality and Reliability Officer's concurrence. Class I changes require the FAA's program Management approval.

Qualifying new suppliers would result in both production delays and an increase in material cost. The process of qualifying new suppliers includes 1) selecting a supplier(s) with successful history of performing similar work, 2) performing a prequalification factory production and Quality survey, 3) negotiating price and delivery, 4) subcontracting for delivery of one or more first articles, 5) Receiving first article(s) and performing tests at NBP to assure compliance with specifications/requirements,

6) preparing Change Notice and receiving concurrence from the FAA's QRO and 7) follow-on with production portion of the subcontract.

In an effort to identify other potential opportunities for W/MBEs, back in 2006, we requested from 47 Chicago area W/MBEs trucking/shipping firms to submit a bid for shipping the ALSF-2 systems from our facility to O'Hare International Airport. At that time, we received two bids, one from A&T Trucking Company (A&T) and the second from J&J Motor Service (J&J). After an opportunity to use the J&J's services on another of our projects, we determined that J&J was qualified and subsequently was utilized as our shipping company for the first ALSF-2 contract with the City of Chicago. Based on their satisfactory performance, again we are proposing to utilize their shipping services for the delivery of the ALSF-2 systems to the City of Chicago. Schedules C-1 and D-1 for J&J Motor Service have already been submitted.

Should you have any questions, please contact the undersigned at 909-982-9806, ext. 205 or irassouli@nbpcorp.com.

Sincerely,

Javad Rassouli

guad Rosenli

Executive Vice President

(Rev. 4/03)

SCHEDULE D-1

Affidavit of MBE/WBE Goal Implementation Plan

Contract Name: ALSF-2 Equipment

Sta	te of Cal	iifornia		Specification	on No.: 51476	n Kalana	
N ₄	71.		Los Angeles				
I HE	REBY DE	CLARE	E AND AFFIRM that I am a duly aut	thorized repr	esentative of:		2.0
			Name of Prime Consul	tant/Contractor		7	
Ali M	, wat go	ais oi t	sonally reviewed the material and fa this contract. Included in this plan have been cer				
		Partic	sipation of MBE/WBE Firms				
	AAICH 1-1		idder/proposer shall, in determining E firms as joint venture partners, s nance of this contract.)	the manner subcontractor	of MBE/WBE partici s, and suppliers of g	pation, first conside cods and services o	er involvement directly related
	A.	001	oldder/proposer is a certified MB tification. (Certification of the bidd bidder/proposer as a WBE satisfie	er/broboser	as a MHH satisties th	the City of Chic e MBE goal only. (ago Letter of Certification of
	В.	acce	Idder/proposer is a joint venture ar ach copies of Letters of Certification he MBE/WBE firm(s) and its ownersi	and a copy (IT IOINT VANTIUM AARO	ners are certified M ement clearly desc	IBEs or WBEs, ribing the role
	C.	МВ	E/WBE Subcontractors/Supplie	ers/Consult	ants:		
		1.	Name of MBE/WBE: Address:		or Services		; (6)
			Contact Person:		ndiana Ave., Chicago,		
			Dollar Amount Participation:	Cahtleen (_ Phone: <u>312-2</u>	25-3323
			· · · · · · · · · · · · · · · · · · ·		estimated)		
			Percent Amount of Participation: Schedule C-1 attached?	92% Yes _x_	No *	-	
			(see next page)	163	No		
		2,	Name of MBE/WBE:				
			Address:				
			Contact Person:			Phono	
			Dollar Amount Participation:			- Phone:	
		*	Percent Amount of Participation:			-	
			Schedule C-1 attached?	Yes	No*	-	

SCHEDULE D-1 Affidavit of MBEIWBE Goal Implementation Pian

	3.	Name of MBE/WBE: Address:				
		Contact Person:				Dhana
		Dollar Amount Participat	ion:			Phone:
		Percent Amount of Parti			V 2 1-	
		Schedule C-1 attached?	Yes	No	*	
	4	Name of MBE/WBE:				
		Address:			000	
		Contact Person:	again a "	denomina		Phone:
		Dollar Amount Participati	on:	111		THORE.
		Percent Amount of Partic	cipation:			7 8 27 -
		Schedule C-1 attached?	Yes	No	*	
	_					
	5	Name of MBE/WBE: Address:				
		Contact Person:	31 =			Phone:
		Doliar Amount Participation Percent Amount of Partic				
		Schedule C-1 attached?	Yes	No	*	
	6.	Attach additional sho	eets as needed			
*All So receip	chedule (t by the (C-1s and Letters of Certifica Contract Administrator with	ation not submitted hin three (3) busin	d with bid/pi ess days af	roposal must ter bid openi	be submitted so as to assure ing (or proposal due date.)
Indire	ct Partici	pation of MBE/WBE Firm	ns			
expect	ted to de		oais nave not bee	en met thro	ough direct p	through the direct participation participation, Contractor will be sents the maximum achievable to be considered.)
MBE/V such p	VBE Subo erforman	contractors/Suppliers/Cons ce does not directly relate	sultants proposed to the performanc	to perform e of this cor	work or sup	oply goods or services .where
A.	Name of	f MBE/WBE:	None		=	
	Contact Dollar A	Person: mount Participation:				Phone:
		Amount of Participation: e C-1 attached?	Voc			
	School	o o i attacheur	Yes	ło*		*(see next page)

п

SCHEDULE D-1 Affidavit of MBEIWBE Goal Implementation Plan

	Address:	None		<u> </u>
	Contact Person:			Phone:
	Dollar Amount Participation:			
	Percent Amount of Participation: Schedule C-1 attached?	Vac	N-	
	Schedule C-1 attached?	Yes	No	
	Name of MBE/WBE:	None		
	Address:			
	Contact Person:			Phone: ——
	Dollar Amount Participation: Percent Amount of Participation:		41	
	Schedule C-1 attached?	Yes	No	
			110	
	Name of MBE/WBE:	None		
	Address:			
	Contact Person: Dollar Amount Participation:			Phone:
	Percent Amount of Participation:			
	Schedule C-1 attached?	Yes		
	Attach additional sheets as	needed.		
	MBE Proposal 1. MBE Direct Participation (from	Section I.)	Doilar Amo	int Percent Amount
		Section I.)	Doilar Amou of Participat	. C. Carle , in loui le
	MBE Direct Participation (from	Section I.)		ion of Participation
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SCHEDULE D-1 Affidavit of MBEIWBE Goal Implementation Plan

B.	WBE Proposai		
	1. WBE Direct Participation (from Section I.)		
	WBE Firm Name	Dollar Amount of Participation	Percent Amount of Participation
	J&J Motor Services	\$20,000 (est)	92%
	2338 S. Indiana Ave.	•	
	Chicago, IL 60616		
	Total Direct WBE Participation	\$20,000 (est)	92%
	2. WBE Indirect Participation (from Section II).		
	WBE Firm Name	Dollar Amount of Participation	Percent Amount
	None	\$ 0.00	of Participation 0%
	Total Indirect WBE Participation	\$ 0.00	0%

SCHEDULE D-1 Affidavit of MBEIWBE Goal Implementation Plan

To the best of my knowledge, information and belief, the facts and representations contained in this Schedule are true and no material facts have been omitted.

The Contractor designates the following person as their MBE/WBE Liaison Officer:

Name: Forouz Angelonie

Phone Number: 909-982-9806

grand Rosembi

Date: 4 May 2012

State of California

This instrument was acknowledged before me on 4 May 2012

By: Javad Rassouli

As: Executive Vice President

Of: New Bedford Panoramex Corp.

Signature of Notary Public

Notary Public - California Bernardino County My comm. Expires Oct 15, 2013 BRYCE L.NIELSEN Commission # 1866435

San



CHICAGO DEPARTMENT OF AVIATION CITY OF CHICAGO

To:

Jamie L. Rhee

Chief Procurement Officer

Attention:

James McIsaac

Deputy Procurement Officer

From:

Rosemarie S. Andolino

Commissioner, Department of Aviation

Subject:

NCRB July 3, 2012 Meeting

New Bedford Panoramex Corporation

Approach Lighting with Sequential Flashers (ALSF-2) – Purchase

Justification for Non-Competitive Procurement

The Chicago Department of Aviation is requesting approval to purchase a new Approach Lighting with Sequential Flashers (ALSF-2) system as is required for the new Runway 10R-28L. The new Runway 10R-28L requires an ALSF-2 system in order to support Category II/III instrument approach procedures. This system will provide uninterrupted availability of this runway in inclement weather. The system cost is \$1,983,403.00.

The ALSF-2 system must be supplied by an equipment manufacture/vendor which has been certified by the Federal Aviation Administration (FAA). New Bedford Panoramex Corporation (NBP) is currently the only FAA certified vendor of ALSF-2 system which can be installed at O'Hare International Airport under FAA Specification FAA-E-2689A.

Although located in Upland California, NBP has agreed to hire J&J Motor Service, a local WBE firm, to ship the system to Chicago. The contract price includes 2% shipping costs.

Thank you for your assistance in this matter.

Reviewed by: Jonathan Leach, Managing Deputy Commissioner

Participants in NCRB Meeting

- 1. Jonathan Leach CDA
- 2. Aurelio Garcia CDA
- 3. Jim Chilton CDA/PMO

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SECTION BUREAU OMPD 85

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TOTAL	\$1,983,403	
QUANTITY	1,983,403.000 \$1,983,403.0000	
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UNIT	\$1.0000	
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DESCRIBE AND JUSTIFY GOODS OR SERVICES ITEM DESCRIPTON	10R-28L ASLF2 SYSTEMS PROCUREMENT	
COMMODITY		
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TOTAL. PRICE	1,983,403.000 \$1,983,403.000		
QUANTITY	1,983,403.000		
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NAMEA		ROACH LIGHT	ROACH LIGHT
market I	10R-28L ASLF2 SYSTEMS PROCUREMENT	CONTRACT TO PROCURE RAW 10R-28L APPROACH LIGHTING SYSTEM FLASHER (ALSF)-2 SYSTEMS	CONTRACT TO PROCURE RW 10R-28L APPROACH LIGHTING SYSTEM FLASHER (ALSF)-2 SYSTEMS
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TASK ORDER/PROPOSAL#											
10R-28L ASLF2 SYSTEM	_										
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NEW TA OR SOLE SOURCE CONTRACT	IRCE	8	FOR FINANCE OFFICE USE ONLY	ACE							CONTACT INFORMATION

				CONTAC	CONTACT INFORMATION	
		VENDOR INFORMATION	INVOICE	Name	Name Adella Gillespie	
FINANCE	Company	NEW BEDFORD PANORAMEX CORP	NUMBERS	Addimen	100L 001 0FF	
	Address	1037 W 9TH ST			// / 1/3-402-/364	
andline				SECTION	SECTION MANAGER	
	Vendor	UPLAND, CA 91786		Name	Adella Gillespie	
FIEPS APPROVAL DATE	Code	A84107000		Status	Shiftis Approved	4/3/12
	Rep/Phone			DEPUTY		
		909 982-9806		Name	John Sisco	
				Phone		
T O				Status	Status Approved	4/4/12
			_			

CAPITAL FIN. DIRECTOR

EMERGENCY. REQUEST

DIRECT VOUCHER

Michael Coserutino Approved -4/5/12

REJECTED BY

7 DAY BID

CONTRACT

David Bowman

CONTRACT

PURCHASE ORDER

×

Approved-45/12

Runway 10R-28L ALSF-II Procurement Documentation

- 1 NCRB Justification For Non-Competitive Procurement
- 2 OMP Letter of Recommendation to CITY
- 3 Procurement of FAA Required ALSF-2 Equipment Scope of Work
- 4 FAA Sourcing Requirements & Standards
- New Bedford's Schedule C-1 Form (LOI from M/WBE)
- 6 New Bedford's Schedule D-1 Form (Affidavit of M/WBE Goal)
- 7 New Bedford's Documentation of Good Faith in Obtaining a W/MBE Supplier
- 8 New Bedford's Adherence to CITY Insurance Requirements
- 9 New Bedford's Economic Disclosure Statement and Affidavit
- 10 Price Quotation
- 11 ALSF-II Cost Analysis
- 12 FAA & OMP ALSF-II Technical Specifications

MAY 2012

INSTRUCTIONS FOR PREPARATION OF NON-COMPETITIVE PROCUREMENT FORM

ity Department has determined that the purchase of supplies, equipment, work and/or services cannot be done on a competitive basis, a justification must be prepared on this "Justification for Non-Competitive Procurement Form" in which procurement is requested on a non-bid or non-competitive basis in accordance with 65 ILCS 5/8-10-4 of the Illinois Compiled Statutes. All applicable questions in each Subject Area below must be answered. The information provided must be complete and in sufficient detail to allow for a decision to be made by the Non-Competitive Procurement Review Board. Also attach a DPS Checklist and any other required documentation. The Board will not consider justification with incomplete information documentation or omissions.

PROCUREMENT HISTORY

- Describe the requirement and how it evolved from initial planning to its present status.
- 2. Is this a first time requirement or a continuation of previous procurement from the same source? If so, explain the procurement history.
- 3. Explain attempts made to competitively bid the requirement. (Attach copy of notices and list of sources contacted)
- Describe all research done to find other sources. (List other cities contacted, companies in the industry contacted, professional organizations, periodicals and other publications used).
- 5. Explain future procurement objectives. Is this a one-time request or will future requests be made for doing business with the same source?
- 6. Explain whether or not future competitive bidding is possible. If not, why not?

ESTIMATED COST

- 1. What is the estimated cost for this requirement (or for each contract, if multiple awards contemplated)? What is the funding source?
- What is the estimated cost by fiscal year, if the job project or program covers multiple years?
- 3. Explain the basis for estimating the cost and what assumptions were made and/or data used (i.e., budgeted amount, previous contract price, current catalog or cost proposal from firms solicited, engineering or in-house estimate, etc.)
- 4. Explain whether the proposed Contractor or the City has a substantial dollar investment in original design, tooling or other factors which would be duplicated at City expense if another source was considered. Describe cost savings or other measurable benefits to the City which may be achieved.
- 5. Explain what negotiation of price has occurred or will occur. Detail why the estimated cost is deemed reasonable.

SCHEDULE REQUIREMENTS

- 1. Explain how the schedule was developed and at what point the specific dates were known.
- 2. Is lack of drawings and/or specifications a constraining factor to competitive bidding? If so, why is the proposed Contractor the only person or firm able to perform under these circumstances? Why are the drawings and specifications lacking? What is the lead time required to get drawings and specifications suitable for competition? If lack of drawings and specifications is not a constraining factor to competitive bidding, explain why only one person or firm can meet the required schedule.
- 3. Outline the required schedule by delivery or completion dates and explain the reasons why the schedule is critical.
- 4. Describe in detail what impact delays for competitive bidding would have on City operations, programs, costs and budgeted funds.

EXCLUSIVE OR UNIQUE CAPABILITY

- If contemplating hiring a person or firm as a Professional Service Consultant, explain in detail what professional skills, expertise, qualifications, and/or other factors make this person or firm exclusively or uniquely qualified for the project. Attach a copy of the cost proposal, scope of services, and temporary consulting services form.
- 2. Does the proposed firm have personnel considered unquestionably predominant in the particular field?
- What prior experience of a highly specialized nature does the person or firm exclusively possess that is vital to the job, project or program?
- 4. What technical facilities or test equipment does the person or firm exclusively possess of a highly specialized nature which is vital to the job?
- 5. What other capabilities and/or capacity does the proposed firm possess which is necessary for the specific job, project or program which makes them the only source who can perform the work within the required time schedule without unreasonable costs to the City?
- 6. If procuring products or equipment, describe the intended use and explain any exclusive or unique capabilities, features and/or functions the items have which no other brands or models, etc. possess. Is compatibility with existing equipment critical from an operational standpoint? Explain why?
- 7. Is competition precluded because of the existence of patent rights, copyrights, trade secrets, technical data, or other proprietary data? Attach documentation verifying such.
- 8. If procuring replacement parts and/or maintenance services, explain whether or not replacement parts and/or services can be obtained from any other sources? If not, is the proposed firm the only authorized or exclusive dealer/distributor and/or service center? If so, attach letter from manufacturer.

MBE/WBE COMPLIANCE PLAN

* All submissions must contain detailed information about how the proposed firm will comply with the requirements of the City's Minority and Women Owned Business program. All submissions must include a complete C-1 and D-1 form, which is available on the Procurement Services page on the City's intranet site. The City Department must submit a Compliance Plan, including details about direct and indirect compliance.

OTHER

Explain other related considerations and attach all applicable supporting documents, i.e., an approved ITGB form.

IN_VIEW AND APPROVAL,

This form must be signed by both Originator of the request and signed by the Department Head or authorized designee. After review and final disposition from the Board, this form will be signed by the Chairperson of the Board. After review and final disposition from the Board, this form will be signed by the Chief Procurement Officer for final approval.

O'Hare Modernization Program



10510 West Zemke First Floor Chicago, IL 60666 www.oharemodernization.org

MEMORANDUM

To:

John Sisco, City of idago - OMP WBS/DCN:

OH.6135.200.522

Thru:

Jim Chilton, 卢MD

Date:

May 14, 2012

From:

Chris Janner, PM

Neil Parikh, PMO

cc:

R. Schmidt, OMP

C. Suesse, PMO

Memo #:

Subject:

Runway 10R-28L ALSF 2 Systems Procurement

The purpose of this memo is to provide a recommendation for procuring Approach Lighting System Flasher (ALSF)-2 equipment for Runway 10R-28L.

Background

A requirement for the OMP Completion Phase is the procurement and installation of an ALSF-2 system for each end of Runway 10R/28L by OMP construction contractors. This equipment is required by the FAA for CAT II/III operations. The Program requires system delivery by Fall 2013 to coordinate with the anticipated start of the Runway 10R-28L NAVAIDS construction contract. The lead time for manufacturing and delivering each system takes 10 to 12 months from placement of order.

Based on FAA requirements, the OMP must purchase the equipment from the only FAA certified sole-source manufacture of the ALSF-2 system, New Bedford Panoramex Corporation (New Bedford), of Upland, California. Compliance with FAA specifications is required for their final acceptance after contract completion, as they become the owner and operator of the system.

The detailed cost estimate provided by New Bedford for two ALSF-2 systems is \$1,983,403.00 (attached in package, dated 12/6/2011). The cost estimate includes site spares, system start-up, and auxiliary equipment as required by the FAA.

The Program's equipment purchase directly from New Bedford will avoid contractor mark-ups. Additionally, the construction contract is not scheduled for award in a manner that would allow the contractor sufficient time for equipment procurement. Demand for aeronautics communication systems fluctuates widely based on airport improvements across the nation and the world, and New Bedford's manufacturing schedule varies depending upon orders received.

Previously, the City purchased five systems from New Bedford for Runways 9L/27R, 10C/28C, and 10L and received a 5% bulk discount per system. However, New Bedford is not offering a bulk discount for purchasing only two systems. Auxiliary equipment listed in the estimate is part of the FAA's requirement to provide a minimum of 10% spares for each part.

The contract requirement for procuring the ALSF-2 systems should exclude any stated goals for the participation of Minority Business Enterprises / Women Business Enterprise (MBE/WBE). Due to the unique function of New Bedford's equipment and production limitation solely at the supplier's facilities in California, MBE/WBE participation will be limited to interstate transportation.

On previous contracts, New Bedford hired an approved WBE named J&J Motor Service for shipping, and intends to contract them for this purchase. The contract price will include 2% for their transportation costs.

Schedule

Based on proposed 4th Quarter 2015 runway commissioning date, the Master Schedule includes the following milestones:

Page 2 of 2 John Sisco May 14, 2012

Submit request to DPS – Approval from DPS – Submit order to New Bedford – May 2012 1st Quarter 2013

Receive equipment –

1st Quarter 2013 1st Quarter 2014

Install equipment – Commission equipment -

2014 2015

Cost Analysis

The PMO prepared a cost comparison between the actual costs for the Runway 9L ALSF-2 system and New Bedford's proposal for the Runway 10R system to determine if their recent proposal is reasonable. The City purchased the Runway 9L ALSF system in 2006 at a \$33,000 bulk discount per system. For comparison purposes, we added the \$33,000 discount to the Runway 9L cost and escalated it by 4% per year for 5 years. We also noted that the Program issued field orders to the Runway 9L/27R NAVAIDS contractor to purchase auxiliary equipment requested by the FAA. Our analysis captured these costs and escalated them at 4% per year for 4 years. The New Bedford proposal for Runway 10R includes the auxiliary equipment.

As shown on our attached table, the escalated cost for the complete Runway 9L system in 2011 dollars is \$897,532 as compared to \$907,436 for the same equipment being purchased for Runway 10R.

The system for the Runway 28L approach includes in-pavement lights that are not needed for the Runway 10R end, thus explaining the increased expense. These in-pavement lights will be installed in existing Taxiway S and Runway 4R. The systems purchased for Runway 9L-27R did not require the in-pavement lights, so we are unable to compare costs.

Current production of the in-pavement flashers has run into a short-term production freeze for another OMP project, Runway 10C-28C. This relates to system compatibility between the main system and in-pavement light fixtures. New Bedford has confirmed their cooperation with the FAA on improving this performance feature, and through testing, anticipates resolution within two months. The local FAA recommendation for implementing the in-pavement flashers is to provide adequate spare equipment, which is provided in New Bedford's estimate, dated 12/6/11. Correspondences between the FAA, New Bedford, and the OMP regarding production timing are included in the supporting documentation.

Based on our cost comparison, the PMO concluded that the cost proposal from new Bedford is fair and reasonable.

Recommendation

The PMO recommends that the OMP accept the cost proposal from New Bedford for a total of \$1,983,403, and proceed with the procurement of the two specified ALSF-2 systems required for Runway 10R/28L.

PMO Recommendation:

James Y. Chilton, Program Manager

OMP Concurrence:

John Sisco, Deputy Director

21 May 2012 Date:

Date:

Page 2 of 2 John Sisco May 14, 2012

Submit request to DPS – Approval from DPS – Submit order to New Bedford – Receive equipment –

Install equipment –
Commission equipment -

May 2012

1st Quarter 2013 1st Quarter 2013 1st Quarter 2014

2014 2015

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Recommendation

The PMO recommends that the OMP accept the cost proposal from New Bedford for a total of \$1,983,403, and proceed with the procurement of the two specified ALSF-2 systems required for Runway 10R/28L.

PMO Recommendation:

James Y. Chilton, Program Manager

OMP Concurrence:

John Sisco, Deputy Director

Date:

May 2017

Date:

ALSF-2 System Cost Comparison Between Runways 9L and 10R

Main System	R	unways	Comments	
	9L	10R		
Invoice Dates	September 2006	December 2011		
Standard Configuration	\$510,664	\$625,368	Included on invoice	
Site Spares	\$45,960	\$70,794	Included on invoice	
System Start-Up	\$23,293	\$29,400	included on invoice	
Bulk Order Discount (added back into cost for comparison)	\$33,000	0	NBP quoted a \$45,000 discount per system if a bulk purchase is made in April 2012	
2006 Base System Estimate	\$612,917			
Escalation (5 years at 4 %)	\$132,790	0		
Sub-Total Base ALSF-2	\$745,707	\$725,562		

Auxiliary Equipment*		
Auxiliary Equipment	\$129,781	\$181,874
Escalation (4 years at 4 %)	\$22,044	0
Sub-Total	\$151,825	

Total (Main System & Auxiliary	\$897,532	\$907,436	
Equipment)			

*

City furnished equipment for FAAREIA generators.	A has been included: REIA Ger	nerator, Tektronix O-scope, which were not part of 9L FOs. ATCTs now requir
FO 16	\$47,560	FAA request- add 58 1500W transformer (+10% spare)
FO 24	\$20,000	Add PAR 56 lamp holder rings
FO 25	\$55,321	FAA request - ALSF spares – price shows only NBP parts for 9L, not including 27R
FO 33	\$6,900	ICC cabinet replacement
Total	\$129,781	

Procurement of FAA Required ALSF-2 Equipment Scope of Work

Scope of Work

The scope of work for this recommended non-competitive procurement consists of equipment, spares and delivery. It is described in tab 10, New Bedford Panoramex Corporation's (NBP) price quotation for this equipment. The equipment will be manufactured and transported by NBP under this recommended non-competitive procurement. It will be installed by an OMP contractor through a competitively bid construction contract.

Procurement History

A new Approach Lighting with Sequential Flashers (ALSF-2) system is required for one new runway at O'Hare International Airport in support of Completion Phase of the O'Hare Modernization Program. The construction and operation of the O'Hare Modernization Program's southernmost runway, Runway 10R-28L, requires that ALSF-2 equipment be installed to support Category II/III instrument approach procedures. It is crucial that uninterrupted availability of the runway be maintained during Category II/III conditions.

The new equipment must be supplied by an equipment manufacturer/vendor that has been certified by the Federal Aviation Administration. New Bedford Panoramex Corporation (NBP) 1037 W. 9th Street, Upland, CA 91786, currently is the only FAA certified vendor of ALSF-2 equipment. Therefore competitive bidding is not possible.

The FAA assumes ownership and maintenance responsibilities after final acceptance of the OMP's Runway 10R-28L NAVAIDS contract is complete (scheduled for 4th Quarter of 2015).

The OMP previous purchase with New Bedford Panoramex Corporation, contract number 14407, provided five ALSF-2 systems.

Estimated Cost

The estimated cost for the ALSF-2 equipment and technical expertise provided by NBP to support the commissioning of this runway is \$1,983,403. This cost estimate is based upon current agreed pricing between NBP and the OMP for standard ALSF-2 equipment. The agreed upon cost includes a minimum of spares as required by the FAA.

The City's previous sole-sourcing of NBP's ALSF-2 equipment utilized a bulk-order purchase, which gave a savings of 5% (or \$33,000) per system. Runway 9L-27R, 10C-28C, and 10L extension were purchased together as their funding was guaranteed, but the current Runway 10R-28L purchase could not be combined due to not having an obligation in place for Runway's 9C-27C, and 9R extension. 10R-28L systems are phase 2A, and have scheduling commitments.

The total amount requested for this contract with NBP will be \$1,983,403.

Schedule Requirements

The current schedule for the OMP requires completion of Runway 10R-28L by 4th Quarter 2015. The estimated time for fabrication of the ALSF-2 equipment is 12 months. An additional 6 months is required to install the equipment. The ALSF-2 equipment must be installed by late 2014 to allow for timely commissioning of the equipment. Procurement of the ALSF-2 system for Runway 10R-28L has an immediate need. The system will be manufactured and stored until it becomes necessary to install the equipment.

ALSF-2 installation will be completed in the Runway 10R-28L Navaids contract.

Exclusive or Unique Capability

Refer to the attached correspondence from the FAA dated May 3, 2012 in which the FAA's contracting Officer, Samantha E. Williams, confirms that NBP is the only source that meets the requirements of FAA Specification FAA-E-2689A which governs the supply of ALSF systems.

Furthermore, The FAA's Depot in Oklahoma is responsible for providing maintenance, spare parts and materials to support the FAA facilities, and only stores the NBP's ALSF-2 equipment at their warehouse facility. The NBP's ALSF-2 system is the only approach lighting system that is certified and accepted by the FAA for Precision Approach, CAT II/III Runways.

Other

The uniqueness of the ALSF-2 does not provide any MBE/WBE firms that qualify for this supply contract, needed for the runway commissioning. System production is in Upland, California, and New Bedford Panoramex, as on previous contracts, intends to hire a local WBE named J&J Motor Service for shipping. The contract price will include 2% for their shipping costs.

Personnel involved in preparation and Determination of Requirements

Aurelio Garcia, CDA Project Administrator

Jim Chilton, OMP Program Manager

Chris Janner. PMO Assistant Project Manager

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Personnel involved in preparation and Determination of Requirements

Aurelio Garcia, CDA Project Administrator

Jim Chilton, OMP Program Manager

Chris Janner. PMO Assistant Project Manager

Disclosure Summary Sheet

Contract (PO) Number: 14407

Specification Number: 51476

Name of Contractor: NEW BEDFORD PANORAMEX CORP

City Department: O'HARE MODERNIZATION PROGRAM

Title of Contract: PURCHASE OF DUAL MODE HIGH INTENSITY ALSF-2/SSALR

SYSTEMS AND EQUIPMENT

Term of Contract: Start Date:

End Date:

Dollar Amount of Contract (or maximum compensation if a Term Agreement) (DUR): \$2,958,439.00

Brief Description of Work: PURCHASE OF DUAL MODE HIGH INTENSITY

ALSF-2/SSALR SYSTEMS AND EQUIPMENT

Procurement Services Contract Area: PRO SERV-AVIATION

Vendor Number: 50078149

Submission Date:

MAR 1 9 2007



City of Chicago

endor, Contract and Payment Information

Contract Details

Contract (PO) Number:

14407

Specification Number:

51476

Award Date:

03/06/2007

Original Award Amount:

Up To \$2,958,439.00

Current Award Amount

Up To \$2,958,439.00

Vendor Name:

NEW BEDFORD PANORAMEX CORP

Description:

PURCHASE OF DUAL MODE HIGH INTENSITY ALSF-2/SSALR SYSTEMS AND EQUIPMENT

Buyer Name:

Target Market:

Nο

Original Contract

DUR in the Award Amount column means that the contract award total Depends Upon Requirements. A Depends Upon Requirements contract is an indefinite quantities contract in which the city places orders as needed. The vendor is not guaranteed any particular contract award amount.

Contract (PO) #

Disclosure #

Award Date

Start Date

End Date

Driginal Award Алтоиля

<u> 14407</u>

M 14407 - D1

03/06/2007

Up To \$2,958,439.00



1480 N. Claremont Blvd. Claremont, CA 91711

V 909.982.9806 F 909.985.6217

www.nbpcorp.com

20 January, 2012

Mr. Chris Janner Assistant PM OMP/City of Chicago 10510 West Zemke Road Chicago, IL 60666

Subject: BP-12003 dated 12/06/2011, NBP ALSF-2 Systems

Dear Mr. Janner:

NBP is pleased to provide this letter in further support of the subject proposal to the OMP/City of Chicago:

- a) NBP's ALSF-2 is currently the only approved FAA system meeting the requirements of FAA specification FAA-E-2689a (see attached FAA letter).
- b) NBP's price for Runway 10R for a standard ALSF-2 configuration is \$907,436.00 (including standard site spares plus additional spares requested by the FAA, the procurement of Auxiliary Equipment as requested by the OMP Program Office and system start up cost).
- c) NBP's price for Runway 28L for a non standard ALSF-2 configuration is \$1,075,967.00 (including standard site spares plus additional spares requested by the FAA, the procurement of In-pavement Flashers from ADB, the procurement of Auxiliary Equipment as requested by the OMP Program Office, and system start up cost).
- d) Systems will be delivered at a rate of one per month starting 12 months ARO.
- e) Should OMP decide to store any systems at NBP, the storage charge will be at the same rate as the one in OMP Contract 14407 (A one-time non-recurring cost of \$1,400 plus \$620 per system per months).
- f) NBP also proposes to utilize the shipping services of the same WBE as the one used for OMP Contract 14407; J&J Motor Service, 2338 S. Indiana Ave., Chicago Illinois, 60616. The estimated amount for their services is \$20,000.
- g) The proposed Compensation Schedule (payment terms) and the Warranty for these systems will be the same as those in OMP Contract 14407.

Should you have any questions or require additional information, please contact the undersigned at (909) 982-9806, ext 205 or jrassouli@nbpcorp.com.

Sincerely,

NEW BEDFORD PANORAMEX CORP.

Javad Rassouli

Exec Vice President

gavad Rozesul



Air Traffic Organization 800 Independence Ave., SW. Washington, DC 20591

May 3, 2012

Mr. Javad Rassouli NBP Corporation 1480 N. Claremont Blvd. Claremont, CA 91711

Dear Mr. Rassouli:

Based upon available market information, NBP Corporation is currently the only vendor who meets the requirements of FAA Specification FAA-E-2689a.

Thank you for your continued support of FAA requirements.

Questions or comments may be submitted to the undersigned at (202) 267-9653 or John Varas at (202) 493-5760.

Sincerely,

Samantha E. Williams

Contracting Officer, AAQ-340

cc: John Varas



Navigation Services - Lighting Systems Group - VGLEAP

Navigation Services

Lighting Systems Group - VGLEAP

FAA Grandfathered Equipment

This appendix is a list of the manufacturers with one or more pieces of approved equipment at the time of release of a change to this Advisory Circular. An addendum to this appendix, listing all current approved equipment manufacturers' addresses, is updated monthly. Listing of a manufacturer in this appendix does not indicate that all of that manufacturer's products are approved; the addendum must be reviewed to assure approval of individual products. The addendum is available on the Internet at the FAA Regulatory and Guidance Library Web site (http://rgl.faa.gov/ (http://www.faa.gov/http://rgl.faa.gov/)).

New Bedford Panoramex (NBP)

1037 West Ninth Street

Upland California

http://www.nbpcorp.com (http://www.faa.gov/exit/?

pageName=http%3A%2F%2Fwww%2Enbpcorp%2Ecom&pgLnk=http%3A%2F%2Fwww%2Enbpcorp%2Ecom)

Equipment	Model	FAA Specification
ALSF-2	FA-10700	FAA-E-2689a
PAPI	FA-17700	*FAA-E-2756a

DME Corporation

6830 Northwest 16th Terrace

Fort Lauderdale, Florida 33309 USA

http://www.dmecorp.com/ (http://www.faa.gov/exit/?

pageName=http%3A%2F%2Fwww%2Edmecorp%2Ecom%2F&pgLnk=http%3A%2F%2Fwww%2Edmecorp%2Ecom%2F)

Equipment	Model	FAA Specification
REIL	FA-19900	FAA-E-2159e
REIL	FA-18300	FAA-E-2159d
MALSR	FA-17900	FAA-E-2325e

O.C.E.M. Acquisition Corp.

a. Multi Electric Mfg., Inc.

∠3 West Lake Street

cnicago, Illinois 60624

http://www.multielectric.com (http://www.faa.gov/exit/?

pageName=http%3A%2F%2Fwww%2Emultielectric%2Ecom%20&pgLnk=http%3A%2F%2Fwww%2Emultielectric%2Ecom%2F)

Equipment	Model	FAA Specification	Ī
Semiflush Steady Burners	FA-23000	FAA-E-2952 and FAA-E-2968	

*Notes: Without RMS Requirements

<<Back to VGLEAP main page (http://www.faa.gov../index.cfm)

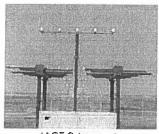
Page Last Modified: 08/30/10 09:42 ET



Navigation Services - Lighting Systems Group - ALSF-2

Navigation Services

Lighting Systems Group - ALSF-2



ALSF-2 Approach

Approach Lighting Systems (ALS) provide the basic means to transition from instrument flight to visual flight for landing. Operational requirements dictate the sophistication and configuration of the approach light system for a particular runway. The ALSF-2 provides visual information on runway alignment, height perception, roll guidance, and horizontal references for Category II/III instrument approaches. ALS are a configuration of signal lights starting at the landing threshold and extending into the approach area a distance of 2400 feet for precision instrument runways.

A typical **ALSF-2** system (High Intensity Approach Lighting System With Sequenced Flashing Lights) consists of 247 steady burning lights: including green threshold lights (49 lights), red side row-bar lamps (9 rows, 54 lamps), and high intensity steady burning white lights (144), plus an additional 15 flashing lights commonly referred to as strobes. The strobes flash in sequence starting with the strobe farthest from the runway and ending with the strobe closest to the runway threshold. The lights are spaced at 100' intervals from the runway threshold outward to 2400'.



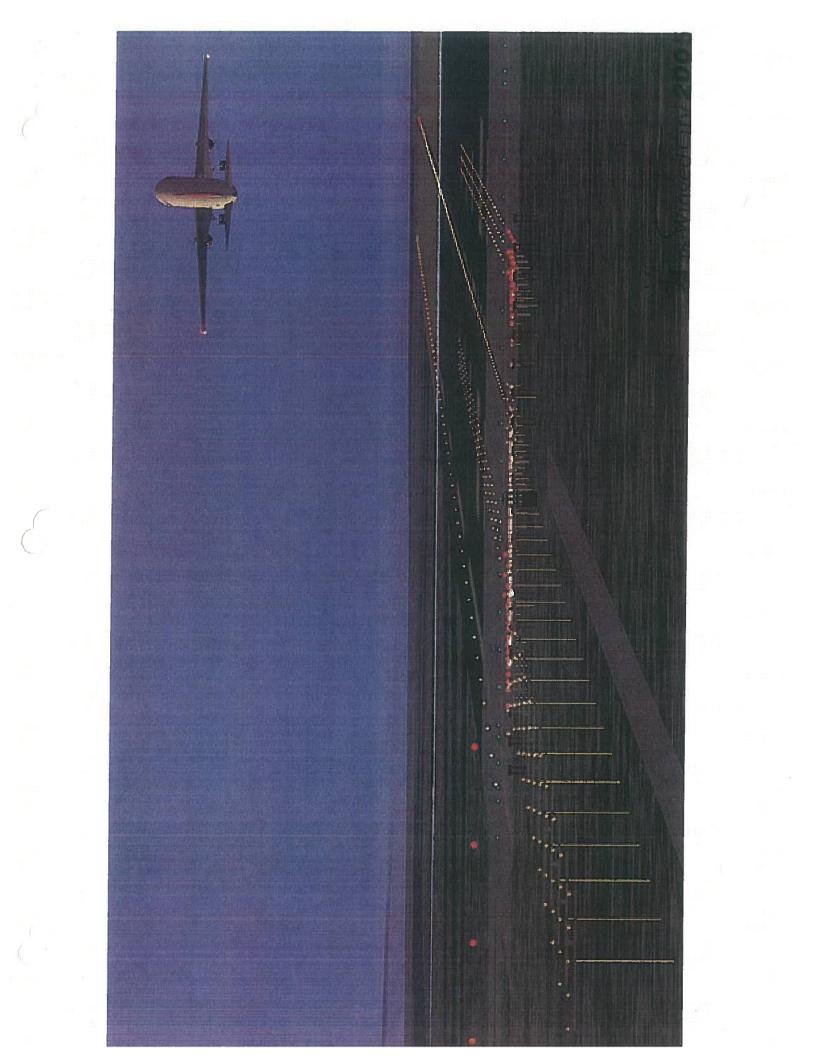
ALSF-2 Approach Shelter

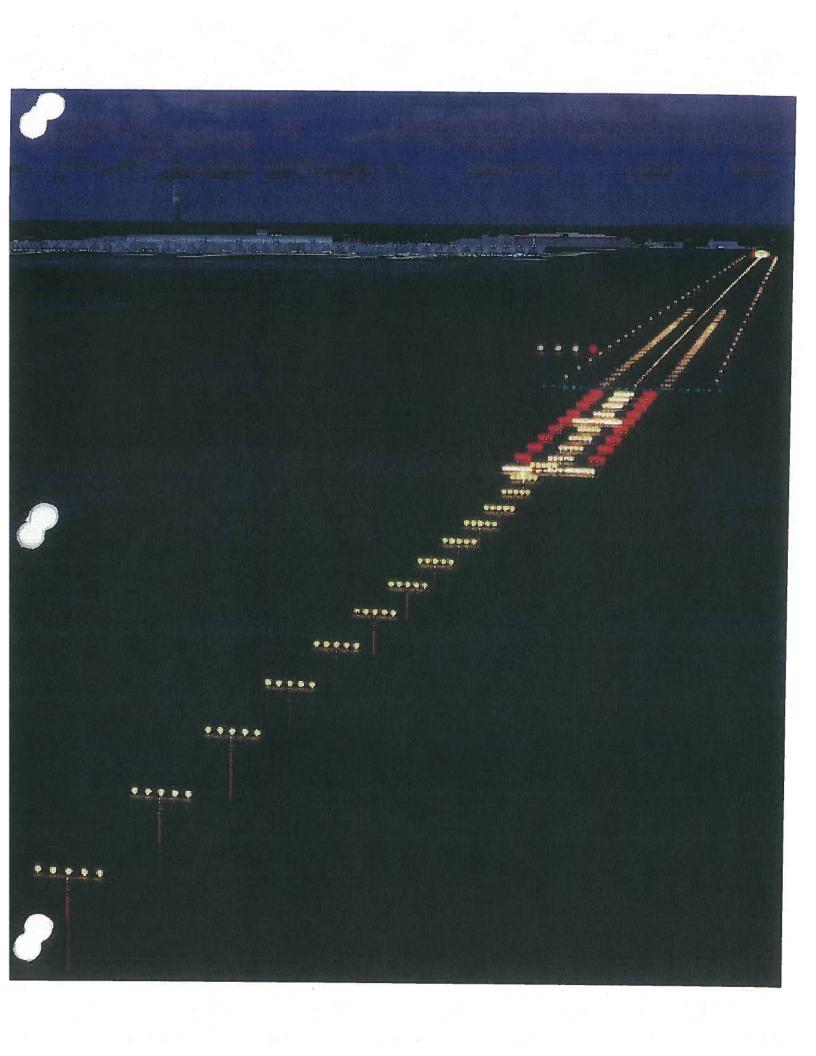
FAA Navigation Services Technical Lead:

John Varas - (202) 493-4760

Current Status: There are 155 ALSF-2 in the NAS manufactured by Airflo (44), Godfrey (38), NBP (60), GE (2), Heavy Duty Substation (4), Westinghouse Substation (3), Hollingsworth (1), and other (1).







New Bedford Panoramex Corporation's Schedule C-1 Form

(Letter of Intent from MBE/WBE to Perform as Subcontractor, Supplier, and/or Consultant)

SCHEDULE C-1

Letter of Intent from MBE/WBE to Perform as Subcontractor, Supplier and/or Consultant

Project/Contract: Name of Equipment Specification Number: 5 1 4 7 6 From: J&J Motor Service, Inc. MBE: Yes; No WBE: Yes ; No (Name of MBE/WBE Firm) New Bedford Panoramex Corp. and the City of Chicago: To: (Name of Prime Contractor- Bidder/Proposer) The undersigned intends to perform work in connection with the above projects as a: Sole Proprietor Corporation Partnership Joint Venture The MBE/WBE status of the undersigned is confirmed by the attached letter of Certification from the City of Chicago effective date of 5/8/2012 to 11/8/2013 for a period of 18 months. The undersigned is prepared to provide the following described services or supply the following described goods in connection with the above named project/contract: Shipment of ALSF-2 equipment from NBP (CA) to Chicago, Illinois for OMP Contract. The above described performance is offered for the following price and described terms of payment: If more space is needed to fully describe the MBE/WBE firm's proposed scope of work and/or payment schedule, attach additional sheets. The undersigned will enter into a formal written agreement for the above work with you as a Prime Contractor, conditioned upon your execution of a contract with the City of Chicago, and will do so within three (3) working days of receipt of a signed contract from the City of Chicago. (Signature of Owner or Authorized Agent) Cathleen Chambliss Name/Title (Print) May 4, 2012

Date

New Bedford Panoramex Corporation's Schedule D-1 Form

(Affidavit of MBE/WBE Goal Implementation Plan)

(Rev. 4/03)

SCHEDULE D-1

Affidavit of MBE/WBE Goal Implementation Plan

		50		Contract Name: ALSF-2 Equi	pment
Sta	te of Calif	ornia		Specification No.: 51476	
	nty (city)		s Angeles		
			AND AFFIRM that I am a duly auth	orized representative of:	
Vev	Bedford F	anorar	nex Corp. Name of Prime Consultar	t/Contractor	
			nally reviewed the material and fac is contract.	ts set forth herein describing ou	r proposed plan to achieve the
	4BE/WBE f ched).	ìrms in	cluded in this plan have been certi	fied as such by the City of Chica	ago (Letters of Certification
	Direct	Partici	pation of MBE/WBE Firms		
	with MB	E/WBE	der/proposer shall, in determining firms as joint venture partners, suance of this contract.)	the manner of MBE/WBE partic bcontractors, and suppliers of g	ipation, first consider involvement loods and services directly related
	· A.	Certi	dder/proposer is a certified MBE fication. (Certification of the bidde bidder/proposer as a WBE satisfies	r/proposer as a MBE satisfies t	of the City of Chicago Letter of the MBE goal only. Certification of
	В.	attac	dder/proposer is a joint venture and the copies of Letters of Certification and MBE/WBE firm(s) and its ownersh	and a copy of Joint Venture Agr	
	C.	MBE	/WBE Subcontractors/Supplied	rs/Consultants:	
		1.	Name of MBE/WBE:	J&J Motor Services	
			Address:	2338 S. Indiana Ave., Chicago), IL 60616
			Contact Person:	Cahtleen Chambliss	Phone: 312-225-3323
			Dollar Amount Participation:	\$30,000 (estimated)	
			Percent Amount of Participation:	.92%	
			Schedule C-1 attached?	Yes <u>x</u> No <u>*</u>	
			*(see next page)		
		2.	Name of MBE/WBE:		
			Address:		
			Contact Person:		— Phone:
			Dollar Amount Participation:		<u> </u>
			Percent Amount of Participation:		
			Schedule C-1 attached?	Yes No*	

	3	Name of MBE/WBE:						
		Address:						
		Contact Person:						Phone:
		Dollar Amount Participation	n:					
		Percent Amount of Partic	ipation:					<u>L</u> .
		Schedule C-1 attached?		Yes	No.	*		
	4	Name of MBE/WBE:						The state of the s
		Address:						
		Contact Person:						Phone:
		Dollar Amount Participation	n:					11101101
		Percent Amount of Partic						!!
		Schedule C-1 attached?	•	es	No	*		_
	5	Name of MBE/WBE:						
		Address:						
		Contact Person:						Phone:
		Dollar Amount Participatio	n:					
		Percent Amount of Partici	pation:					
		Schedule C-1 attached?		Yes	No	*		
	6.	Attach additional she	ets as	needed				
****		. 4		1				
		-1s and Letters of Certifica Contract Administrator with						
Indire	ct Partici	pation of MBE/WBE Firm	s					
(Note:	: This sec	tion need not be complete	d if the	MBF/WBF	goals ha	ave been	met thro	ugh the direct participation
outline	ed in Sec	tion I. If the MBEANBE go	oals have	e not bee	n met th	rough di	rect parti	cipation, Contractor will be
		monstrate that the propo mstances. Only after such						the maximum achievable
unuei	tile circu	instances. Only after such	a demoi	isti ationi v	viii ii iuli e	cc partici	pation be	considered.)
MBE/V	WBE Subo	contractors/Suppliers/Cons	ultants	proposed	to perfor	m work	or supply	goods or services .where
such p	erforman	ce does not directly relate	o the pe	erformance	e of this c	ontract:		
A.		f MBE/WBE:		None				
	Address Contact							Phonos ————
		mount Participation:						Phone:
	Percent	Amount of Participation:						
	Schedul	e C-1 attached?	Yes	N	io .	*	9	*(see next nage)

I

	3	Name of MBE/WBE: Address: Contact Person:				Phone:
		Dollar Amount Participati Percent Amount of Partic				Phone:
		Schedule C-1 attached?	Yes	No	*	
	4	Name of MBE/WBE: Address:				
		Contact Person:				Phone:
		Dollar Amount Participation Percent Amount of Partic				= = =
		Schedule C-1 attached?	Yes	No	*	
	5	Name of MBE/WBE: Address:		*		
		Contact Person:				Phone:
		Dollar Amount Participation	on:			
		Percent Amount of Partic	ipation:			
		Schedule C-1 attached?	Yes	No	*	
*All So	6. Chedule C t by the C	Attach additional she -1s and Letters of Certifica Contract Administrator with	tion not submitte	- d with bid/p	roposal mus ter bid open	t be submitted so as to assure ing (or proposal due date.)
Indire	ct Partici	pation of MBE/WBE Firm	ıs			
expect	ed in Sect ed to de	tion I. If the MBEANBE go	oais have not be sed MBE/WBE di	en met thro	ough direct pation repre	through the direct participation participation, Contractor will be sents the maximum achievable n be considered.)
MBE/V such p	/BE Subc erforman	ontractors/Suppliers/Cons ce does not directly relate	sultants proposed to the performan	I to perform ce of this co	work or sup	oply goods or services .where
Α.	Name of	MBE/WBE:	None			
	Contact Dollar Ar	Person: nount Participation:				Phone:
Percent Amount of Participation: Schedule C-1 attached?			Yes	No*		*(see next page)

H

В.	Name of MBE/WBE:	None		
	Address: Contact Person: Dollar Amount Participation:			Phone:
	Percent Amount of Participation: Schedule C-1 attached?	Yes	No	,
c.	Name of MBE/WBE: Address:	None		
	Contact Person: Dollar Amount Participation: Percent Amount of Participation:			Phone:
	Schedule C-1 attached?	Yes	No	
D.	Name of MBE/WBE: Address:	None		
	Contact Person: Dollar Amount Participation: Percent Amount of Participation:			Phone:
Ε.	Schedule C-1 attached? Attach additional sheets as a		No	
Sum A.	mary of MBE/WBE Proposal: MBE Proposal			
	1. MBE Direct Participation (from	Section I.)		
	MBE Firm Name		Dollar Amount of Participation	Percent Amount of Participation
	None		\$0.00	0%
	Total Direct MBE Participation		\$0.00	.0%
	2. MBE Indirect Participation (from	Section II).		
	MBE Firm Name		Dollar Amount of Participation	Percent Amount of Participation
	None		\$0.00	.0%
	Total Indirect MBE Participation		\$0.00	.0%

В.	WBE Proposal		
	1. WBE Direct Participation (from Section I.)		
	WBE Firm Name	Dollar Amount of Participation	Percent Amount of Participation
	J&J Motor Services	\$20,000 (est)	92%
	2338 S. Indiana Ave.		
	Chicago, IL 60616		
	Total Direct WBE Participation	\$20,000 (est)	.92%
	2. WBE Indirect Participation (from Section II).		
	WBE Firm Name	Dollar Amount of Participation	Percent Amount of Participation
	None	\$ 0.00	0%
			2
	0. TO 10.		
	Total Indirect WBE Participation	\$ 0.00	0%

В.	WBE Proposal		
	1. WBE Direct Participation (from Section I.)		
	WBE Firm Name	Dollar Amount of Participation	Percent Amount of Participation
	J&J Motor Services	\$20,000 (est)	92%
	2338 S. Indiana Ave.		
	Chicago, IL 60616		
	Total Direct WBE Participation	\$20,000 (est)	.92%
	2. WBE Indirect Participation (from Section II).		
	WBE Firm Name	Dollar Amount of Participation	Percent Amount of Participation
	None	\$ 0.00	0%
	8		
	Total Indirect WBE Participation	\$ 0.00	0%

To the best of my knowledge, information and belief, the facts and representations contained in this Schedule are true and no material facts have been omitted.

The Contractor designates the following person as their MBE/WBE Liaison Officer:

Name: Forouz Angelonie

Javad Rosevill

Phone Number: 909-982-9806

Date: 4 May 2012

State of California

This instrument was acknowledged before me on 4 May 2012

Ticken

By: Javad Rassouli

As: Executive Vice President

Of: New Bedford Panoramex Corp.

Signature of Notary Public

Notary Public - California Bernardino County My comm. Exoires Oct 15, 2013 BRYCE L.NIELSEN Commission # 1866435

San

New Bedford Panoramex Corporation's Documentation of Good Faith Efforts in Obtaining a MBE/WBE Supplier



OFFICE OF COMPLIANCE

July 28, 2011

Nancy L Murphy J & J Motor Service, Inc. 2338 South Indiana Avenue Chicago, IL 60616-2445

Annual Certificate Expires: August 1, 2012

Dear Nancy L Murphy:

Congratulations on your continued eligibility for certification as a Women Business Enterprise (WBE) by the City of Chicago. This certification is valid until August 1, 2012.

You have an affirmative duty to file for recertification 60 days prior to the date of expiration. Therefore, you must file for recertification by 6/1/2012.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification within 10 days of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a MBE/WBE/BEPD if you fail to:

o file your No Change Affidavit within the required time period;

o provide financial or other records requested pursuant to an audit within the required time period; or

 notify the City of any changes affecting your firm's certification within 10 days of such change.

Further, if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. And in addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining, a contract with the city by falsely representing that the individual or entity, or the individual or entity assisted, is a minority-owned business or a woman-owned business, is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months or a fine of not less than \$5,000.00 and not more than \$10,000, or both.

Your firm is listed in the City's Directory of Minority Business Enterprises and Women Business Enterprises in the specialty area(s) of:

INTERSTATE AND INTRASTATE TRUCKING; STORAGE AND WAREHOUSING

Your firm's participation on City contracts will be credited only toward Women Business Enterprise (WBE) goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward Women Business Enterprise (WBE) goal will be given only for work done in a specialty category.

Thank you for your continued participation in the City's Supplier Diversity Program.

11 40

Sincerely.

Karen Patterson

INTERSTATE AND INTRASTATE TRUCKING; STORAGE AND WAREHOUSING

Your firm's participation on City contracts will be credited only toward Women Business Enterprise (WBE) goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward Women Business Enterprise (WBE) goal will be given only for work done in a specialty category.

Thank you for your continued participation in the City's Supplier Diversity Program.

Sincerely

Karen Patterson

Vendor Information



Vendor Information

Business Name J & J Motor Service, Inc., DBA J&J Motor Service, Inc.

Owner Nancy L Murphy

Address 2338 South Indiana Avenue
> Map This Address Chicago, IL 60616-2445

That This Address

Phone 312-225-3323
Fax 312-225-9873

Email <u>carol@ijmotor.com</u>

Website <u>www.iimotor.com</u>

Certification Information

Certifying Agency City of Chicago

Certification Type WBE - Women Business Enterprise

Certification Date 7/28/2011
Renewal Date 8/1/2012

Expiration Date 8/1/2012

tified Business

escription

Interstate and Intrastate Trucking; Storage and Warehousing

Commodity Codes

Code Description

NIGP 96239 Hauling Services

NIGP 96286 Transportation of Goods (Freight)

NIGP 96295 Warehousing and Storage Services (Not Storage Space Rental)

NIGP 97170 Storage Space Rental

New Bedford Panoramex Corporation's Adherence to City of Chicago Insurance Requirements



1480 N. Claremont Blvd Claremont, CA 91711

V 909 982 9806 F 909 985 6217

www.nbpcorp.com

04 May 2012

Ms. Jamie L. Rhee Chief Procurement Officer City Hall, Room #403 121 North Lasalle Street Chicago, IL 60602-1284

Dear Ms. Rhee:

Enclosed please find New Bedford Panoramex's (NBP's) insurance certificates as evidence of our compliance with the "City of Chicago - O'Hare Modernization Program" insurance requirements (per attached statement).

Should you have any questions or require additional information, please contact the undersigned at 909-982-9806, ext. 205 or jrassouli@nbpcorp.com.

Sincerely,

Javad Rassouli

gavad Rosenh

Executive Vice President

Encl.

CONTRACT INSURANCE REQUIREMENTS

O'Hare Modernization Program New Bedford Panoramex Corporation (New Bedford)

New Bedford must provide and maintain at New Bedford's own expense, until Contract completion and during the time period following final completion if New Bedford is required to return and perform any additional work, the insurance coverage and requirements specified below, insuring all operations related to the Contract.

A. INSURANCE TO BE PROVIDED

1) Workers Compensation and Employers Liability

Workers Compensation Insurance, as prescribed by applicable law covering all employees who are to provide work under this Contract and Employers Liability coverage with limits of not less than \$100,000 each accident, illness or disease.

2) Commercial General Liability (Primary and Umbrella)

Commercial General Liability Insurance or equivalent with limits of not less than \$1,000,000 per occurrence for bodily injury, personal injury, and property damage liability. Coverage must include the following: All premises and operations, products/completed operations, independent contractors, separation of insured, defense, and contractual liability (with no limitation endorsement). The City of Chicago, DMJM Aviation Partners JV, and Parsons Brinkerhoff Construction Services are to be named as an additional insured and others as required by the City on a primary, non-contributory basis for any liability arising directly or indirectly from the work.

3) Automobile Liability (Primary and Umbrella)

When any motor vehicles (owned, non-owned and hired) are used in connection with work to be performed, the New Bedford must provide Automobile Liability Insurance with limits of not less than \$1,000,000 per occurrence for bodily injury and property damage. The City of Chicago, DMJM Aviation Partners JV, and Parsons Brinkerhoff Construction Services are to be named as an additional insured and others as required by the City on a primary, non-contributory basis.

4) Property

New Bedford is responsible for all loss or damage to City property including the specified equipment at full replacement cost while in New Bedford's care, custody or control.

B. ADDITIONAL REQUIREMENTS

New Bedford must furnish the City of Chicago, O'Hare Modernization Program, 10510 West Zemke Road 60666, original Certificates of Insurance, or such similar evidence, to be in force on the date of this Contract, and Renewal Certificates of Insurance, or such similar evidence, if the coverage's have an expiration or renewal date occurring during the term of this Contract. New Bedford must submit evidence of insurance on the City of Chicago Insurance Certificate Form (copy attached) or equivalent prior to Contract award. The receipt of any certificate does not constitute agreement by the City that the insurance

CONTRACT INSURANCE REQUIREMENTS

O'Hare Modernization Program New Bedford Panoramex Corporation (New Bedford)

New Bedford must provide and maintain at New Bedford's own expense, until Contract completion and during the time period following final completion if New Bedford is required to return and perform any additional work, the insurance coverage and requirements specified below, insuring all operations related to the Contract.

A. INSURANCE TO BE PROVIDED

1) Workers Compensation and Employers Liability

Workers Compensation Insurance, as prescribed by applicable law covering all employees who are to provide work under this Contract and Employers Liability coverage with limits of not less than \$100,000 each accident, illness or disease.

2) Commercial General Liability (Primary and Umbrella)

Commercial General Liability Insurance or equivalent with limits of not less than \$1,000,000 per occurrence for bodily injury, personal injury, and property damage liability. Coverage must include the following: All premises and operations, products/completed operations, independent contractors, separation of insured, defense, and contractual liability (with no limitation endorsement). The City of Chicago, DMJM Aviation Partners JV, and Parsons Brinkerhoff Construction Services are to be named as an additional insured and others as required by the City on a primary, non-contributory basis for any liability arising directly or indirectly from the work.

3) Automobile Liability (Primary and Umbrella)

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4) Property

New Bedford is responsible for all loss or damage to City property including the specified equipment at full replacement cost while in New Bedford's care, custody or control.

B. ADDITIONAL REQUIREMENTS

New Bedford must furnish the City of Chicago, O'Hare Modernization Program, 10510 West Zemke Road 60666, original Certificates of Insurance, or such similar evidence, to be in force on the date of this Contract, and Renewal Certificates of Insurance, or such similar evidence, if the coverage's have an expiration or renewal date occurring during the term of this Contract. New Bedford must submit evidence of insurance on the City of Chicago Insurance Certificate Form (copy attached) or equivalent prior to Contract award. The receipt of any certificate does not constitute agreement by the City that the insurance

requirements in the Contract have been fully met or that the insurance policies indicated on the certificate are in compliance with all Contract requirements. The failure of the City to obtain certificates or other insurance evidence from New Bedford is not a waiver by the City of any requirements for New Bedford to obtain and maintain the specified coverage's. New Bedford shall advise all insurers of the Contract provisions regarding insurance. Nonconforming insurance does not relieve New Bedford of the obligation to provide insurance as specified herein. Non-fulfillment of the insurance conditions may constitute a violation of the Contract, and the City retains the right to stop work until proper evidence of insurance is provided, or the Contract may be terminated.

The insurance must provide for 60 days prior written notice to be given to the City in the event coverage is substantially changed, canceled, or non-renewed.

Any deductibles or self-insured retentions on referenced insurance coverage's must be borne by New Bedford.

New Bedford hereby waives and agrees to require their insurers to waive their rights of subrogation against the City of Chicago, its employees, elected officials, agents, or representatives.

The coverage's and limits furnished by New Bedford in no way limit the New Bedford's liabilities and responsibilities specified within the Contract or by law.

Any insurance or self-insurance programs maintained by the City of Chicago do not contribute with insurance provided by the New Bedford under the Contract.

The required insurance to be carried is not limited by any limitations expressed in the indemnification language in this Contract or any limitation placed on the indemnity in this Contract given as a matter of law.

If New Bedford is a joint venture or limited liability company, the insurance policies must name the joint venture or limited liability company as a named insured.

New Bedford must require all subcontractors to provide the insurance required herein, or New Bedford may provide the coverage's for subcontractors. All subcontractors are subject to the same insurance requirements of New Bedford unless otherwise specified in this Contract.

If New Bedford or subcontractor desires additional coverage's, the party desiring the additional coverage's is responsible for the acquisition and cost.

The City of Chicago Risk Management Department maintains the right to modify, delete, alter or change these requirements.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 5/3/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES 3ELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(les) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s). CONTACT Lee Neault PHONE (AC. No. Ext): (626)217-9000 E-MAIL ADDRESS: Lee@pmi-services.com Precision Manufacturing Insurance Services FAX (A/C, No): (626) 217-9999 908 S. Village Oaks Dr. Suite 250 INSURER(S) AFFORDING COVERAGE NAIC # CA 91724 Covina INSURER A Nova Casualty Company INSURED INSURER B National Union Fire Insurance New Bedford Panoramex 1480 N. Claremont Blvd. INSURER D : INSURER E : Claremont CA 91711 INSURER F **COVERAGES** CERTIFICATE NUMBER:CL11111000407 **REVISION NUMBER:** THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS. EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. ADDL SUBR INSR WVD POLICY EFF (MM/DD/YYYY) TYPE OF INSURANCE POLICY NUMBER GENERAL LIABILITY **EACH OCCURRENCE** 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) X COMMERCIAL GENERAL LIABILITY 1,000,000 10/31/2011 10/31/2012 A CLAIMS-MADE X OCCUR X M51-CT-0010008-0 10,000 MED EXP (Any one person) \$ 1,000,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE GEN'L AGGREGATE LIMIT APPLIES PER: EXCLUDED PRODUCTS - COMP/OP AGG X POLICY PRO-MBINED SINGLE LIMIT ALITOMORII E LIARII ITY 1,000,000 (Ea accident) X BODILY INJURY (Per person) ANY ALITO A ALL OWNED SCHEDULED M51-CL-0010008-0 10/31/2011 10/31/2012 BODILY INJURY (Per accident) \$ AUTOS AUTOS NON-OWNED PROPERTY DAMAGE (Per accident) X X HIRED AUTOS s \$ Uninsured motorist combined 1,000,000 X UMBRELLA LIAB OCCUR EACH OCCURRENCE 5,000,000 FYCESS LIAB В CLAIMS-MADE AGGREGATE 5,000,000 10/31/2011 10/31/2012 BE042833912 DED RETENTION \$ s

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
The City of Chicago, DMJM Aviation Partners JV and Parsons Brinkerhoff Construction Services are named as Additional Insured and others as required by the city on a primary, non-contributory basis for any liability arising directly or indirectly from the work.

CERTIF	ICATE	HOLDER	

WORKERS COMPENSATION

AND EMPLOYERS' LIABILITY

ANY PROPRIETOR/PARTNER/EXECUTIVE
OFFICER/MEMBER EXCLUDED?

If yes, describe under DESCRIPTION OF OPERATIONS below

Aviation Products Liab.

(Mandatory in NH)

A

CANCELLATION

City of Chicago O'Hare Modernization Program 10510 West Zemke Road Chicago, IL 60666

N/A

M33-WK-0010017-1

AP003791345-04

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

WC STATU-TORY LIMITS

E.L. EACH ACCIDENT

E.L. DISEASE - EA EMPLOYEE

E.L. DISEASE - POLICY LIMIT | \$

9/1/2012

10/31/2011 10/31/2012

1,000,000

1,000,000

1,000,000

5,000,000

AUTHORIZED REPRESENTATIVE

Lee Neault/HLN

- Sel

New Bedford Panoramex Corporations's Economic Disclosure Statement and Affidavit

SECTION I -- GENERAL INFORMATION

A.	A. Legal name of Disclosing Party submitting this EDS. Include d/b/a/ if applicable			bmitting this EDS	6. Include d/b/a/ if applicable
	New	Bedfo	ord Panoramex Corp.		
Chec	k ONE	of the	following three boxes	127	
Indica	ate whe	ther D	isclosing Party submitting	g this EDS is:	
	1	[X]	the Applicant OR		
	2	[]	a legal entity holding a in which Disclosing Par OR		t interest in the Applicant. State the legal name of the Applicant est
	3	[]	a specified legal entity in which Disclosing Par	with a right of coty holds a right of	ontrol (see Section II B.1.b) State the legal name of the entity of control:
B.	Busi	ness a	ddress of Disclosing Part	ty: 1480 N. Clar	remont Blvd Claremont, California 91711
c.	Tel	epho	ne. <u>909-982-9806</u>	5 Fax <u>:9</u>	09-985-6217 Email: jrassouli@nbpcorp.com
D.	Nam	e of co	ontact person:	Javad Rassouli	
E.	Fede	ral Em	ployer Identification No.	(if you have one	e). <u>95-2777438</u>
F.	Brief description of contract, transaction or other undertaking (referred to below as the "Matter") to which this EDS pertains. (Include project number and location of property, if applicable):				
	Proc	ureme	nt of ALSF-2 – High Inte	ensity Approach L	ighting Systems
G.	Which	City a	agency or department is	requesting this	EDS? Department of Procurement Services
	If the	: Matter	is a contract being handle	d by the City's Dep	partment of Procurement Services, please complete the following:
	Spec	ification	#51476		and Contract # TBD
SEC ⁻	TION I	I D	ISCLOSURE OF OV	WNERSHIP IN	NTERESTS
A.	NAT	URE O	F DISCLOSING PARTY	(
	1.	[]! [x] []! []!	dicate the nature of the [Person Publicly registered busine Privately held business of Sole proprietorship General partnership* Limited partnership*	ess corporation	[] Limited liability company* [] Limited liability partnership* [] Joint venture* [] Not-for-profit corporation (Is the not-for-profit corporation also a 501(c)(3))? [] Yes [] No [] Other (please specify)
	2.		legal entities, the state	(or foreign count	ry) of incorporation or organization, if applicable

^{*} Note B.1.b below.

Name	4.50	list below the legal titleh	(-)
Steve R. Ozuna		President & Dire	ctor
Javad Rassouli		Executive V P. &	Director
Thomas Bryan		Director	
James Casso		Director	
to-day management obehalf.	of the Disclosing Party. NOTE. E	Each legal entity listed be	erson or entity that controls the da elow must submit an EDS on its or
		ancerning each person (or entity having a direct or indirec
beneficial interest (ind include shares in a d	corporation, partnership interes	7 5% of the Disclosing in a partnership or join	Party. Examples of such an interent venture, interest of a member of
beneficial interest (ind include shares in a d	cluding ownership) in excess of corporation, partnership interes	7 5% of the Disclosing in a partnership or join	Party. Examples of such an interest venture, interest of a member of state or other similar entity. If non-
beneficial interest (indinclude shares in a dimanager in a limited state "None." NOTE: Pursuant to S	cluding ownership) in excess of corporation, partnership interes liability company, or interest of a	7 5% of the Disclosing in a partnership or joir a beneficiary of a trust, eal Code of Chicago ("Mui	Party. Examples of such an interent venture, interest of a member of state or other similar entity. If non-inicipal Code"), the City may require
beneficial interest (indinclude shares in a dimanager in a limited state "None." NOTE: Pursuant to S	cluding ownership) in excess of corporation, partnership interestiability company, or interest of corporation 2-154-030 of the Municip	7 5% of the Disclosing in a partnership or joir a beneficiary of a trust, enter the code of Chicago ("Murich is reasonably intended)	Party. Examples of such an interest venture, interest of a member estate or other similar entity. If non nicipal Code"), the City may require

For legal entities not organized in the State of Illinois* Has the organization registered to do business in the State of Illinois as a foreign entity?

3.

B.

	Yes [x] No	[] N/A	
IF THE DISCLOSI	NG PARTY IS A LEGAL ENTITY	Y	
corporations, also lis	the full names and titles of all ex st below all members, if any, whi its, estates or other similar entition	ch are legal entities If there a	tors of the entity. For not-for-profi re no such members, write "no lder(s).
Name		Title	
Steve R. Ozuna		President & Direct	or
Javad Rassouli		Executive V P. & I	Director
Thomas Bryan		Director	
James Casso		Director	
partnership" or "Jo and title of each ge	pint venture" in response to Iten eneral partner, managing memb	n A.1. above (Nature of Disc er, manager or any other pe	iability company," "Limited liability closing Party), list below the nam rson or entity that controls the day ow must submit an EDS on its ow
Name		Title	
-			
2. Please pro	including ownership) in excess	of 7 5% of the Disclosing P	entity having a direct or indirect
include shares in a manager in a limited state "None." NOTE: Pursuant to	d liability company, or interest o	of a beneficiary of a trust, es cipal Code of Chicago ("Muni	venture, interest of a member o tate or other similar entity. If none cipal Code"), the City may require
include shares in a manager in a limited state "None." NOTE: Pursuant to any such additional	od liability company, or interest of section 2-154-030 of the Munic	of a beneficiary of a trust, es cipal Code of Chicago ("Muni which is reasonably intended	venture, interest of a member o tate or other similar entity. If none cipal Code"), the City may require
include shares in a manager in a limited state "None." NOTE: Pursuant to	o Section 2-154-030 of the Munic information from any applicant v	of a beneficiary of a trust, es cipal Code of Chicago ("Muni which is reasonably intended ddress	venture, interest of a member of tate or other similar entity. If none cipal Code"), the City may require to achieve full disclosure. Percentage Interest in the
include shares in a manager in a limiter state "None." NOTE: Pursuant to any such additional Name	of liability company, or interest of Section 2-154-030 of the Municinformation from any applicant v	of a beneficiary of a trust, es cipal Code of Chicago ("Muni which is reasonably intended ddress	venture, interest of a member of tate or other similar entity. If none cipal Code"), the City may require to achieve full disclosure. Percentage Interest in the Disclosing Party
include shares in a manager in a limited state "None." NOTE: Pursuant to any such additional Name	of liability company, or interest of Section 2-154-030 of the Municinformation from any applicant v	of a beneficiary of a trust, es cipal Code of Chicago ("Muni which is reasonably intended ddress	venture, interest of a member of tate or other similar entity. If none cipal Code"), the City may require to achieve full disclosure. Percentage Interest in the Disclosing Party

For legal entities not organized in the State of Illinois* Has the organization registered to do business in the State of Illinois as a foreign entity?

3.

B.

SECTION III -- BUSINESS RELATIONSHIPS WITH CITY ELECTED OFFICIALS

		usiness relationship," as defi pefore the date this EDS is s	ned in Chapter 2-156 of the Municipiqued?	oal Code, with any City
	[]Yes	[x] No	.5	
if yes,	please identify below the n	name(s) of such City elected	official(s) and describe such relation	onship(s):
Į,		v * 1	2	
) 	
SECT	TON IV DISCLOSU	RE OF SUBCONTRAC	TORS AND OTHER RETAIN	IED PARTIES
consult the Ma Disclos "Lobbyi person or entiti adminis	tant and any other person atter, as well as the nature sing Party is not required to ist" means any person or e or entity other than (1) and ty any part of whose dutestrative action.	or entity whom the Disclosic of the relationship, and the disclose employees who are entity who undertakes to influenct-for-profit entity, on an untites as an employee of are	address of each subcontractor, attend Party has retained or expects to total amount of the fees paid or re paid solely through the Disclosinuence any legislative or administrational basis, or (2) himself "Lobbyi nother includes undertaking to inquired under this Section, the Disc	to retain in connection with estimated to be paid. The ng Party's regular payroll. tive action on behalf of any st" also means any person fluence any legislative or
ask the	City whether disclosure is	required or make the disclos	sure.	
	Name (indicate whether retained or anticipated to be retained)	Business Address	Relationship to Disclosing Party (subcontractor, attorney, lobbyist, etc.)	Fees (indicate whether paid or estimated)
	J&J Motor Service 2338		Subcontractor (WBE)	\$20,000 (Estimated)
	(to be retained)	Chicago, Illinois, 60616		= -
	· · · · · · · · · · · · · · · · · · ·			
(Add sh	neets if necessary)		N J	

[] Check here if the Disclosing party has not retained, nor expects to retain, any such persons or entities.

SECTION V -- CERTIFICATIONS

COURT-ORDERED CHILD SUPPORT COMPLIANCE A.

Under Municipal Code Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the term of the contract.

Has any person who on any child support	directly or indire obligations by a	ectly owns 10% or more of the Disclosing Party been declared in arrearage ny Illinois court of competent jurisdiction?
[]Yes	[x] No	[] No person owns 10% or more of the Disclosing Party.
If "Yes," has the pers person in compliance	on entered into a e with that agree	court-approved agreement for payment of all support owed and is the ment?
[]Yes	[] No	
FURTHER CERTIFI	CATIONS	

B.

- The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II.B 1 of this EDS:
 - are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
 - have not, within a five-year period preceding the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements, or receiving stolen property;
 - are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in clause B.1.b. of this Section
 - have not, within a five-year period preceding the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
 - have not, within a five-year period preceding the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.
- 2. The certifications in subparts 2, 3 and 4 concern:
 - the Disclosing Party:
 - any "Applicable Party" (meaning any party participating in the performance of the Matter, including but not limited to any persons or legal entities disclosed under Section IV, "Disclosure of Subcontractors and Other Retained Parties");
 - any "Affiliated Entity" (meaning a person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity. indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members, shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with federal or state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity); with respect to Applicable Parties, the term Affiliated Entity means a person or entity that directly or indirectly controls the Applicable Party, is controlled by it, or, with the Applicable Party, is under common control of another person or entity;
 - any responsible official of the Disclosing Party, any Applicable Party or any Affiliated Entity or any other official, agent or employee of the Disclosing Party, any Applicable Party or any Affiliated Entity, acting pursuant to the direction or authorization of a responsible official of the Disclosing Party, any Applicable Party or any Affiliated Entity (collectively "Agents").

Neither the Disclosing Party, nor any Applicable Party, nor any Affiliated Entity of either the Disclosing Party or any Applicable Party nor any Agents have, during the five years before the date this EDS is signed, or, with respect to an Applicable Party, an Affiliated Entity, or an Affiliated Entity of an Applicable Party during the five years before the date of such Applicable Party's or Affiliated Entity's contract or engagement in connection with the Matter

Has any person who don any child support o	irectly or indire	ectly owns 10% or more of the Disclosing Party been declared in arrearage ny Illinois court of competent jurisdiction?
[]Yes	[x] No	[] No person owns 10% or more of the Disclosing Party.

If "Yes," has the person entered into a court-approved agreement for payment of all support owed and is the person in compliance with that agreement?

[] Yes [] No

B. FURTHER CERTIFICATIONS

- 1. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II.B 1 of this EDS:
 - a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
 - b. have not, within a five-year period preceding the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements, or receiving stolen property;
 - c. are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in clause B.1.b. of this Section V;
 - d. have not, within a five-year period preceding the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
 - e. have not, within a five-year period preceding the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.
- 2. The certifications in subparts 2, 3 and 4 concern:
 - the Disclosing Party;
 - any "Applicable Party" (meaning any party participating in the performance of the Matter, including but not limited to any persons or legal entities disclosed under Section IV, "Disclosure of Subcontractors and Other Retained Parties");
 - any "Affiliated Entity" (meaning a person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity. indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members, shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with federal or state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity); with respect to Applicable Parties, the term Affiliated Entity means a person or entity that directly or indirectly controls the Applicable Party, is controlled by it, or, with the Applicable Party, is under common control of another person or entity;
 - any responsible official of the Disclosing Party, any Applicable Party or any Affiliated Entity or any
 other official, agent or employee of the Disclosing Party, any Applicable Party or any Affiliated Entity,
 acting pursuant to the direction or authorization of a responsible official of the Disclosing Party, any
 Applicable Party or any Affiliated Entity (collectively "Agents").

Neither the Disclosing Party, nor any Applicable Party, nor any Affiliated Entity of either the Disclosing Party or any Applicable Party nor any Agents have, during the five years before the date this EDS is signed, or, with respect to an Applicable Party, an Affiliated Entity, or an Affiliated Entity of an Applicable Party during the five years before the date of such Applicable Party's or Affiliated Entity's contract or engagement in connection with the Matter

- a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;
- b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
- c. made an admission of such conduct described in a or b. above that is a matter of record, but have not been prosecuted for such conduct, or
- d. violated the provisions of Municipal Code Section 2-92-610 (Living Wage Ordinance)
- 3. Neither the Disclosing Party, Affiliated Entity or Applicable Party, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of (1) bid-rigging in violation of 720 ILCS 5/33E-3; (2) bid-rotating in violation of 720 ILCS 5/33E-4, or (3) any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.
- 4. Neither the Disclosing Party nor any Affiliated Entity is listed on any of the following lists maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury or the Bureau of Industry and Security of the U.S. Department of Commerce or their successors: the Specially Designated Nationals List, the Denied Persons List, the Universitied List, the Entity List and the Debarred List.
- 5. The Disclosing Party understands and shall comply with (1) the applicable requirements of the Governmental Ethics Ordinance of the City, Title 2, Chapter 2-156 of the Municipal Code; and (2) all the applicable provisions of Chapter 2-56 of the Municipal Code (Office of the Inspector General).

6.	If the Disclosing Party i	is unable to certify to any of the	e above statements in this Part B	(Further
Certific	ations), the Disclosing Party r	nust explain below.		
	Secretary Secret			
	· · · · · · · · · · · · · · · · · · ·			

<u>If the letters "NA," the word "None," or no response appears on the lines above, it will be conclusively presumed that the Disclosing Party certified to the above statements.</u>

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

For purposes of this Part C, under Municipal Code Section 2-32-455(b), the term "financial institution" means a bank, savings and loan association, thrift, credit union, mortgage banker, mortgage broker, trust company, savings bank, investment bank, securities broker, municipal securities broker, securities dealer, municipal securities underwriter, municipal securities underwriter, investment trust, venture capital company, bank holding company, financial services holding company, or any licensee under the Consumer Installment Loan Act, the Sales Finance Agency Act, or the Residential Mortgage Licensing Act However, "financial institution" specifically shall not include any entity whose predominant business is the providing of tax deferred, defined contribution, pension plans to public employees in accordance with Sections 403(b) and 457 of the Internal Revenue Code (Additional definitions may be found in Municipal Code Section 2-32-455(b))

1. CERTIFICATION

The Disclosing Party certifies that the Disclosing Party (check one)

[] is [x] is not

a "financial institution" as defined in Section 2-32-455(b) of the Municipal Code.

2. If the Disc	losing Party IS a financial institution, then	he Disclosing Party pledges.
pledge that none of the Municipal C	of our affiliates is, and none of them will b	ned in Chapter 2-32 of the Municipal Code. We further ecome, a predatory lender as defined in Chapter 2-32 edatory lender or becoming an affiliate of a predatory so with the City."
2-32-455(b) of the		ause it or any of its affiliates (as defined in Section within the meaning of Chapter 2-32 of the Municipal
	the word "None," or no response appears Party certified to the above statements	on the lines above, it will be conclusively presumed
CERTIFICATION	REGARDING INTEREST IN CITY BUSINE	ESS
Any words or term used in this Part D		Municipal Code have the same meanings when
		cipal Code: Does any official or employee of the City ne of any other person or entity in the Matter?
[]Yes	[x] No	
NOTE: If you che proceed to Part E.		s D.2. and 0 3. If you checked "No" to Item D.1.,
or employee shall the purchase of ar virtue of legal proc	have a financial interest in his or her own by property that (i) belongs to the City, or (ess at the suit of the City (collectively, "Cit	dding, or otherwise permitted, no City elected official name or in the name of any other person or entity in ii) is sold for taxes or assessments, or (iii) is sold by y Property Sale"). Compensation for property taken titute a financial interest within the meaning of this
Does the Matter in	volve a City Property Sale'	
[]Yes	[x] No	
	cked "Yes" to Item 0.1., provide the nan such interest and identify the nature of su	nes and business addresses of the City officials or ch interest
Name	Business Address	Nature of Interest
	L. C.	
4. The Disclos	ing Party further certifies that no prohibit	ed financial interest in the Matter will be acquired by
any City official or e		

D.

2. If the Dis	closing Party IS a financial institution, then th	e Disclosing Party pledges.
of the Municipal	of our affiliates is, and none of them will be	ed in Chapter 2-32 of the Municipal Code. We further come, a predatory lender as defined in Chapter 2-3; datory lender or becoming an affiliate of a predator s with the City."
2-32-455(b) of th	Party is unable to make this pledge beca le Municipal Code) is a predatory lender we re (attach additional pages if necessary).	use it or any of its affiliates (as defined in Section ithin the meaning of Chapter 2-32 of the Municipa
		*
If the letters "NA, that the Disclosing	" the word "None," or no response appears og Party certified to the above statements	on the lines above, it will be conclusively presumed
CERTIFICATION	REGARDING INTEREST IN CITY BUSINES	SS
Any words or terr used in this Part I	ns that are defined in Chapter 2-156 of the $ m I\!\! N$	funicipal Code have the same meanings when
1. In accor have a financial ir	dance with Section 2-156-110 of the Munici nterest in his or her own name or in the name	pal Code: Does any official or employee of the City of any other person or entity in the Matter?
[]Yes	[x] No	
NOTE: If you che proceed to Part E	ecked "Yes" to Item D.1 , proceed to Items	D.2. and 0 3. If you checked "No" to Item D.1.,
or employee shall the purchase of a virtue of legal prod	have a financial interest in his or her own none ny property that (i) belongs to the City, or (ii) cess at the suit of the City (collectively, "City	ding, or otherwise permitted, no City elected official ame or in the name of any other person or entity in is sold for taxes or assessments, or (iii) is sold by Property Sale"). Compensation for property taken tute a financial interest within the meaning of this
Does the Matter in	nvolve a City Property Sale'	
[]Yes	[x] No	
3. If you che employees having	ecked "Yes" to Item 0.1., provide the name such interest and identify the nature of sucl	es and business addresses of the City officials or
Name	Business Address	Nature of Interest
	Data local data da la	Nature of filterest

D.

E CERTIFICATION REGARDING SLAVERY ERA BUSINESS

The Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities for records of investments or profits from slavery, the slave industry, or slaveholder insurance policies from the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves) and has disclosed in this EDS any and all such records to the City. In addition, the Disclosing Party must disclose the names of any and all slaves or slaveholders described in those records. Failure to comply with these disclosure requirements may make the Matter to which this EDS pertains voidable by the City.

Please check either 1. or 2. below If the Disclosing Party checks 2., the Disclosing Party must disclose below or in an attachment to this EDS all requisite information as set forth in that paragraph 2

X 1. The Disclosing Party verifies that (a) the Disclosing Party has searched any and all records of the Disclosing
Party and any and all predecessor entities for records of investments or profits from slavery, the slave industry, or
slaveholder insurance policies, and (b) the Disclosing Party has found no records of investments or profits from slavery,
the slave industry, or slaveholder insurance policies and no records of names of any slaves or slaveholders.

2.	The Discl	osing Party ver	ifies that, as a	result of condu	icting the sear	ch in step 1(a)	above, the D	isclosing Party
has four	nd records	relating to inve	stments or pro	fits from slave	ry, the slave i	ndustry, or sla	veholder insu	urance policies
	ne names o ch records:		slaveholders.	The Disclosing	Party verifies	that the followi	ng constitutes	full disclosure
		<u> </u>					91	

SECTION VI - CERTIFICATIONS FOR FEDERALLY-FUNDED MATTERS

NOTE. If the Matter is federally funded, complete this Section VI. If the Matter is not federally funded, proceed to Section VII.

A. CERTIFICATION REGARDING LOBBYING

1.	List below the names of all persons or entities registered under the federal Lobbying Disclosure Act of
1995 wh	ho have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter (Begin list
here, ac	dd sheets as necessary):

None

(If no explanation appears or begins on the lines above, or if the letters "NA" or if the word "None" appear, it will be conclusively presumed that the Disclosing Party means that NO persons or entities registered under the Lobbying Disclosure Act of 1995 have made lobbying contacts on behalf of the Disclosing Party with respect to the Matter)

2. The Disclosing Party has not spent and will not expend any federally appropriated funds to pay any person or entity listed in Paragraph A.1 above for his or her lobbying activities or to pay any person or entity to influence or attempt to influence an officer or employee of any agency, as defined by applicable federal• law, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress, in connection with the award of any federally funded contract, making any federally funded grant or loan, entering into any cooperative agreement. Or to extend, continue renew, amend, or modify any federally funded contract, grant, loan, or cooperative agreement

3. The Disclosing Party will submit an updated certification at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the statements and information set forth in paragraphs A.1 and A 2 above.

If the Matter is federally funded and any funds other than federally appropriated funds have been or will be paid to any person or entity for influencing or attempting to influence an officer or employee of any agency (as defined by applicable federal law), a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the Matter, the Disclosing Party must complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. The form may be obtained online from the federal Office of Management and Budget (OMB) web site at http://www.whitehouse.gov/omb/grants/sfilin.pdf linked on the page http://www.whitehouse.gov/omb/grants/grants forms html.

- 4. The Disclosing Party certifies that either: (i) it is not an organization described in section 501(c)(4) of the Internal Revenue Code of 1986; or (ii) it is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986 but has not engaged and will not engage in "Lobbying Activities"
- 5. If the Disclosing Party is the Applicant, the Disclosing Party must obtain certifications equal in form and substance to paragraphs A.1. through A.4. above from all subcontractors before it awards any subcontract and the Disclosing Party must maintain all such subcontractors' certifications for the duration of the Matter and must make such certifications promptly available to the City upon request.
- B. CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

If the Matter is federally funded, federal regulations require the Applicant and all proposed subcontractors to submit the following information with their bids or in writing at the outset of negotiations.

	[x] Yes	[] No			
If "Yes," a	nswer the three q	uestions below:			
1. reg	. Have you o	developed and do you h 1 CFR Part 60-2.)	nave on file affirmative action	programs pursuant to applica	able federal
	[x] Yes	[] No			
2. Co filir	Have you mpliance Program ng requirements?	ns, or the Equal Emp	Reporting Committee, the loyment Opportunity Comm	Director of the Office of Fonission all reports due unde	ederal Contract r the applicable
	[] Yes	[x] No *			
3.	Have you p	articipated in any previ	ious contracts or subcontract	ts subject to the equal opport	tunity clause?

If you checked "No" to question 1 or 2 above, please provide an explanation:

NBP has less than 40 employees

[]No

SECTION VII -- ACKNOWLEDGMENTS, CONTRACT INCORPORATION, COMPLIANCE, PENALTIES, DISCLOSURE

The Disclosing Party understands and agrees that

Is the Disclosing Party the Applicant?

[x] Yes

A. By completing and filing this EDS, the Disclosing Party acknowledges and agrees, on behalf of itself and the persons or entities named in this EDS, that the City may investigate the creditworthiness of some or all of the persons or entities named in this EDS.

3. The Disclosing Party will submit an updated certification at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the statements and information set forth in paragraphs A.1 and A 2 above.

If the Matter is federally funded and any funds other than federally appropriated funds have been or will be paid to any person or entity for influencing or attempting to influence an officer or employee of any agency (as defined by applicable federal law), a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the Matter, the Disclosing Party must complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. The form may be obtained online from the federal Office of Management and Budget (OMB) web site at http://www.whitehouse.gov/omb/grants/sfilin.pdf linked on the page http://www.whitehouse.gov/omb/grants/grants forms html.

- 4. The Disclosing Party certifies that either: (i) it is not an organization described in section 501(c)(4) of the Internal Revenue Code of 1986; or (ii) it is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986 but has not engaged and will not engage in "Lobbying Activities"
- 5. If the Disclosing Party is the Applicant, the Disclosing Party must obtain certifications equal in form and substance to paragraphs A.1. through A.4. above from all subcontractors before it awards any subcontract and the Disclosing Party must maintain all such subcontractors' certifications for the duration of the Matter and must make such certifications promptly available to the City upon request.
- B. CERTIFICATION REGARDING EQUAL EMPLOYMENT OPPORTUNITY

If the Matter is federally funded, federal regulations require the Applicant and all proposed subcontractors to submit the following information with their bids or in writing at the outset of negotiations.

	sing Party the	Applicant?	
	[x] Yes	[] No	
f "Yes," ans	wer the three o	uestions below:	
1. regu	Have you lations? (See 4	developed and do you have on file affirmative action progr 1 CFR Part 60-2.)	rams pursuant to applicable federal
	[x] Yes	[] No	
2. Com filing	Have you pliance Progra requirements:	filed with the Joint Reporting Committee, the Directors, or the Equal Employment Opportunity Commission	ctor of the Office of Federal Contract on all reports due under the applicable
	[]Yes	[x] No *	
3.	Have you p	articipated in any previous contracts or subcontracts sub	pject to the equal opportunity clause?
	[x] Yes		

SECTION VII -- ACKNOWLEDGMENTS, CONTRACT INCORPORATION, COMPLIANCE, PENALTIES, DISCLOSURE

The Disclosing Party understands and agrees that

A. By completing and filing this EDS, the Disclosing Party acknowledges and agrees, on behalf of itself and the persons or entities named in this EDS, that the City may investigate the creditworthiness of some or all of the persons or entities named in this EDS.

- B. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.
- C. The City's Governmental Ethics and Campaign Financing Ordinances, Chapters 2-156 and 2-164 of the Municipal Code, impose certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of these ordinances and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with the applicable ordinances
- D. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded, void or voidable), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other transactions with the City. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.
- E. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided on this EDS and any attachments to this EDS may be made available to the public on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.
- F. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires.

The Disclosing Party represents and warrants that

G. The Disclosing Party has not withheld or reserved any disclosures as to economic interests in the Disclosing Party, or as to the Matter, or any information, data or plan as to the intended use or purpose for which the Applicant seeks City Council or other City agency action.

For purposes of the certifications in H.1 and H.2. below, the term "affiliate" means any person or entity that, directly or indirectly: controls the Disclosing Party, is controlled by the Disclosing Party, or is, with the Disclosing Party, under common control of another person or entity. Indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity to do business with the federal government or a state or local government, including the City, using substantially the same management, ownership, or principals as the ineligible entity.

- H.1. The Disclosing Party is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, nor are the Disclosing Party or its affiliates delinquent in paying any fine, fee, tax or other charge owed to the City. This includes, but is not limited to, all water charges, sewer charges, license fees, parking tickets, property taxes or sales taxes.
- H.2. If the Disclosing Party is the Applicant, the Disclosing Party and its affiliates will not use, nor permit their subcontractors to use, any facility on the U.S. EPA's List of Violating Facilities in connection with the Matter for the duration of time that such facility remains on the list.
- H.3. If the Disclosing Party is the Applicant, the Disclosing Party will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in H 1 and H 2 above and will not, without the prior written consent of the City, use any such contractor/subcontractor that does not provide such certifications or that the Disclosing Party has reason to believe has not provided or cannot provide truthful certifications

NOTE If the Disclosing Party cannot certify as to any of the items in H 1 , H 2 or H 3 above, an explanatory statement must be attached to this EDS.

Certification

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS are true, accurate and complete as of the date furnished to the City

Disclosing Party:

New Bedford Panoramex Corp.

05/04/2012

Signature:

Name:

Javad Rassouli

Title:

Executive Vice President

Signed and sworn to before me on Mat4, 2012 by *Javad Rassouli* County, California.

Mulson

, at Claremont, Los Angeles

Notary Public:

Commission Expires: Oct 15, 2013

BRYCE L. NITELSEr"|
Commission # 1866435
Notary Public - California
San Bernardino County
My comm. Expires Oct 15, 2013

Copied from 12/15/05 DPS Version of Law 11/01/05 Version

Certification

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS are true, accurate and complete as of the date furnished to the City

Disclosing Party:

New Bedford Panoramex Corp.

05/04/2012

Signature:

Name:

Javad Rassouli

Title:

Executive Vice President

Signed and sworn to before me on Mat4, 2012 by Javad Rassouli

, at Claremont, Los Angeles

County, California.

Notary Public:

Commission Expires: Oct 15, 2013



BRYCE L. NIELSEr⁴ Commission # 1866435 Notary Public - California San Bernardino County My comm. Expires Oct 15, 2013

Copied from 12/15/05 DPS Version of Law 11/01/05 Version

EXHIBIT 6

INSURANCE REQUIREMENTS AND CONTRACTOR'S INSURANCE CERTIFICATE

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CONTRACT INSURANCE REQUIREMENTS

O'Hare Modernization Program
New Bedford Panoramex Corporation (New Bedford)

New Bedford must provide and maintain at New Bedford's own expense, until Contract completion and during the time period following final completion if New Bedford is required to return and perform any additional work, the insurance coverages and requirements specified below, insuring all operations related to the Contract.

A. INSURANCE TO BE PROVIDED

1) Workers Compensation and Employers Liability

Workers Compensation Insurance, as prescribed by applicable law covering all employees who are to provide work under this Contract and Employers Liability coverage with limits of not less than \$100,000 each accident, illness or disease. Coverage shall include other states endorsement.

2) <u>Commercial General Liability</u> (Primary and Umbrella)

Commercial General Liability Insurance or equivalent with limits of not less than \$1,000,000 per occurrence for bodily injury, personal injury, and property damage liability. Coverages must include the following: All premises and operations, products/completed operations, independent contractors, separation of insureds, defense, and contractual liability (with no limitation endorsement). The City of Chicago, DMJM Aviation Partners JV, and Parsons Brinkerhoff Construction Services are to be named as an additional insured and others as required by the City on a primary, non-contributory basis for any liability arising directly or indirectly from the work.

3) Automobile Liability (Primary and Umbrella)

When any motor vehicles (owned, non-owned and hired) are used in connection with work to be performed, the New Bedford must provide Automobile Liability Insurance with limits of not less than \$1,000,000 per occurrence for bodily injury and property damage. The City of Chicago, DMJM Aviation Partners JV, and Parsons Brinkerhoff Construction Services are to be named as an additional insured and others as required by the City on a primary, non-contributory basis.

4) Property

New Bedford is responsible for all loss or damage to City property including the specified equipment at full replacement cost while in New Bedford's care, custody or control.

B. ADDITIONAL REQUIREMENTS

New Bedford must furnish the City of Chicago, O'Hare Modernization Program, 10510 West Zemke Road, PO Box 66848, Chicago, IL. 60666, original Certificates of Insurance, or such similar evidence, to be in force on the date of this Contract, and Renewal Certificates of Insurance, or such similar evidence, if the coverages have an expiration or renewal date occurring during the term of this Contract. New Bedford must submit evidence of insurance on the City of Chicago Insurance Certificate Form (copy attached) or equivalent prior to Contract award. The receipt of any certificate does not constitute agreement by the City that the insurance requirements in the Contract have been fully met or that the insurance policies indicated on the certificate are in compliance with all Contract requirements. The failure of the City to obtain certificates or other insurance evidence from New Bedford is not a waiver by the City of any requirements for New Bedford to obtain and maintain the specified coverages. New Bedford shall advise all insurers of the Contract provisions regarding insurance Non-conforming insurance does not relieve New Bedford of the obligation to provide insurance as specified herein. Nonfulfillment of the insurance conditions may constitute a violation of the Contract, and the City retains the right to stop work until proper evidence of insurance is provided, or the Contract may be terminated.

The insurance must provide for 60 days prior written notice to be given to the City in the event coverage is substantially changed, canceled, or non-renewed.

Any deductibles or self insured retentions on referenced insurance coverages must be borne by New Bedford

New Bedford hereby waives and agrees to require their insurers to waive their rights of subrogation against the City of Chicago, its employees, elected officials, agents, or representatives.

The coverages and limits furnished by New Bedford in no way limit the New Bedford's liabilities and responsibilities specified within the Contract or by law.

Any insurance or self insurance programs maintained by the City of Chicago do not contribute with insurance provided by the New Bedford under the Contract.

The required insurance to be carried is not limited by any limitations expressed in the indemnification language in this Contract or any limitation placed on the indemnity in this Contract given as a matter of law.

If New Bedford is a joint venture or limited liability company, the insurance policies must name the joint venture or limited liability company as a named insured.

New Bedford must require all subcontractors to provide the insurance required herein, or New Bedford may provide the coverages for subcontractors. All subcontractors are subject to the same insurance requirements of New Bedford unless otherwise specified in this Contract.

If New Bedford or subcontractor desires additional coverages, the party desiring the additional coverages is responsible for the acquisition and cost.

The City of Chicago Risk Management Department maintains the right to modify, delete, alter or change these requirements.



1480 N. Claremont Blvd. Claremont, CA 91711

V 909.982.9806

F 909.985.6217

www.nbpcorp.com

QUOTE				
Quote Number:	BP-12003			
Date: Revised 12/6/11 PR #				
Contact Name:	Antoine Kanaan			
Ext:	216			
Email:	akanaan@nbpcorp.com			

Quoted to:

OMP/City of Chicago 10510 West Zemke Road

Chicago, IL 60666

Attn: Chris Janner, Assistant PM

Item	Description	Qty	Unit Price	Total Price	
1	ALSF-2/SSALR Standard Configuration for Runway 10R (see attachment)	ration for 1 \$625,368.00		\$625,368.00	
1a	Site Spares for systems in Item 1	1	\$ 70,794.00	\$ 70,794.00	
1b	System Start-up for systems in Item 1	1	\$ 29,400.00	\$ 29,400.00	
1C	Auxiliary Equipment for 10R (Total Price for 1c1-1c10)	1	\$177,074.00	\$181,874.00	
1c1	500 W 20/20 A Isolation Transformer	55	\$ 154.31	\$ 8,487.00	
1c2	300 W 20A/20A Isolation Transformer	3	\$ 144.17	\$ 433.00	
1c3	1/500 W 20A/20A Isolation Transformer	53	\$ 2,219.97	\$117,658.00	
1c4	Lamp Retainer	272	\$ 52.50	\$ 14,280.00	
1c5	300 W Bulb	159	\$ 52.00	\$ 8,268.00	
1c6	500 W Bulb	115	\$ 52.00	\$ 5,980.00	
1c7	Green Lens	55	\$ 38.66	\$ 2,126.00	
1c8	Red Lens	60	\$ 34.05	\$ 2,043,00	
1c9	Tektronix TDS 3034C	1	\$ 10,985.00	\$ 10,985.00	
1c10	Engine Generator REIA	1	\$ 6,813.00	\$ 6,813.00	
1c11	PAR-56 Flash Bulb (U3003390-01)	16	\$ 300.00	S 4,800.00	
2	ALSF-2/SSALR accommodating 5 stations with In-Pavement Fixtures for Runway 28L (see attachment)	1	\$677,857.00	\$677,857.00	

2a	Site Spares for system in Item 2	1	\$ 82,589.00	\$ 82,589.00
2b	System Start-up for system in Item 2	1	\$ 29,400.00	\$ 29,400.00
2C	Auxiliary Equipment for 28L (Total Price for 2c1-2c18)	1	\$283,121.00	\$286,121.00
2c1	500 W 20/20 A Isolation Transformer	54	\$154.31	\$8,333.00
2c2	300 W 20A/20A Isolation Transformer	3.	\$144.17	\$433.00
2c3	300 W 20A/6.6A Isolation Transformer	34	\$143.85	\$4,891.00
2c4	1500 W 20A/20A Isolation Transformer	46	\$2,108.98	\$97,013.00
2c5	White In-Pavement Fixture	28	\$1,735.50	\$48/594.00
2c6	Red In-Pavement Fixture	7	\$17925.30	\$13,477.00
2c7	In-pavement Fixture Lamp Kit	10	\$432.90	\$4,329.00
2c8	Snow Plow Ring for In-pavement Steady Burning Fixtures	35	\$787.80	\$27,573.00
2c9	PAR-56 Lamp Retainer	240	\$52750	\$12,600.00
2c10	In-Pavement Flasher	5	\$3,640.00	\$18,200,00
2c11	In-Pavement Flasher Snow Plow Ring	5	\$1,241.50	\$6,208.00
2c12	In-Pavement Flasher Spares	5	\$1,452.41	\$7,262100
2c13	300 W Bulb	132	\$52.00	\$6,864.00
2c14	500 W Bulb	108	\$52,00	\$5,616,00
2c15	Green Lens	55	\$98.66	\$2,126.00
2c16	Red Lens	53	\$34.05	\$1,804.00
2c17	Tektronix TDS 3034C Scope	1	\$10,985.00	\$10,985.00
2c18	Engine Generator REIA	1	\$6,813745	\$6,813.00
2c19	PAR-56 Flash Bulb (U3003390-01)	10	\$ 300.00	\$3,000.00
8	Five stations require in-pavement fixtures: Station 7, Stations 13, 14, 15, and 16. Station 13 through 16 require In-pavement Flashers from ADB. NBP is currently in the final in-house reliability testing of the new Low Voltage Individual Control Cabinet (ICC) that would interface the new ADB In-pavement Flasher with NBP ALSF-2/SSALR system.			
	ZIOOALIN SYSTEM.			

Schedule. 2. NBP will transfer the Vendor's Warranties to the City of Chicago.		y.	
		0	
		Sales Total	\$1,983,403.00
	Tax	(if applicable) Total Amount	

Delivery:	Starting 12 months ARO at the rate of one per month
FOB:	Destination; J&J Motor will be the preferred vendor for shipping
Packaging:	Best Commercial
Payment Terms:	Per OMP Contract #14407
Quotation valid for:	Nov. 30, 2012

Unit price quoted above is subject to buyer's acceptance of NBP's standard terms and conditions. Any additional requirements imposed will be subject to a separate pricing adjustment.

Attachment to NBP Quote BP-12003

The NBP ALSF-2/SSALR system (FA-10700) configuration for Runways 10R is as follows:

ALSF EQUIPMENT LIST FOR 10R

U3001001-01 U3001002-01			. DESCRIPTION				
U3001002-01		REMOT	1				
		REMOTE EI	1				
U3001003-01		CONT	ROL & MON	ITOR - UNIT	#3	1	
U3001004-01		480 VA	C INPUT CA	BINET - UNI	Γ-#4	1	
93001080-01	C			EGULATOR		5	
U3001006-01		HIGH VOL	UNIT #6	1			
U3001007-01		All	MING DEVIC	E – UNIT #7		1	
U3001008-01		INDIVIDUA	L CONTROL	CABINET -	JNIT #8	16	
		FLASHER	LIGHT ASSI	EMBLY - UN	T #9		
	1	5	8	11	14		
U3001009-01	2	6	9	12	15	16	
	3	7	10	13	16		
	4						
U3001010-01	LAMP HOLDER ASSEMBLY – UNIT #10				272		
U3001080-01	TRANSCEIVER MODULE - UNIT #10 (A)			272			
	JUNCTION BOX ASSEMBLY - UNIT						
U3001011-01	1	4	7	10	13		
03001011-01	2	5	8	11	14	15	
	3	6	9	12	15		
U3001012-01	RE	MOTE MON	ITORING S	YSTEM - UN	IIT # 12	1	
U3001013-01		DISTRIB	UTION PANE	EL – UNIT # 1	3	1	
U3001014-01		50 KVA TI	RANSFORM	ER – UNIT #	14	1	
U3001015-01	SA	AFETY DISC	ONNECT SI	WITCH - UNI	Τ#15	1	
U3001016-01	FLASHER TESTER – UNIT # 16						
				O(4)1 # 10		1	
J3001108-01	11	IPUT SURG	E ASSEMBL	Y – UNIT # 1	5 (A)	1	

ALSF SITE SPARES FOR 10R

PART NO.	DESCRIPTION	QTY
93003049-01	Fuse, 125 AMP	2
FO2A250V5A	Fuse, 5A	2
F03A250V1/4A	Fuse, 250V,1/4A	2
F03A250V2A	Fuse, 250V, 2A	2
F03A250V3A	Fuse, 250V, 3A	2
F03A250V5A	Fuse, 250V, 5A	2
F03A250V10A	Fuse, 250V, 10A	2
F03B125V7A	Fuse, 125V, 7A	2
93003093-01	Fuse, 1/10 AMP	2
93003092-01	Fuse, 5 AMP	2
M02A125V1/4A	Fuse, 125V, 1/4A	2
T3001004-03	CCA CM CPU Unit # 3 or 12	1
U3001055-01	CCA RCP Unit #1	1
U3001056-01	CCA REC Controller Unit # 2	1
U3001059-01	CCA Control I/O Unit # 3	1
U3001060-01	CCA Control Panel Unit # 3	1
U3001063-01	CCA Lamp Controller Unit #3	1
U3001064-01	CCA Brightness Indicator Unit # 3	1
U3001066-01	CCA Bleeder Unit # 8	1
U3001067-01	CCA Monitor Unit # 8	1
93001410-0	CCA Low Voltage ICC Control	1
U3001071-01	CCA Modem Unit # 12	1
U3001072-01	CCA Digital I/O Unit # 12	1
U3001073-01	CCA Analog I/O Unit # 12	1
U3001074-01	CCA Serial Comm Unit # 12	1
93001085-01	CCA Control Unit #5	1
93001086-01	CCA Display Unit #5	1
93001087-01	CCA Snubber Unit #5	1
93003026-01	24 Volt Power Supply	1
93003027-01	12 Volt Power Supply	1
U3001097-01	CCA Low Voltage Filter Unit #6	1
U3003174-02	RMS CPU Flash Eeprom ONLY, Programed and Labled	1
U3003174-04	RMS CPU Flash Eeprom ONLY, Programed and Labled	1
U3003215-01	Fuse, FNQ-R-1/2	2
U3003220-01	Fuse, AGC-1-6/10	2
U3003321-01	Fuse, A6D225R	2
U3003329-01	Fuse, JJS-60	2
U3003402-01	Fuse, 9F60AAB001 1 AMP	2

ALSF INSTALLATION KIT LIST FOR 10R

PART NO.	DESCRIPTION	QTY
M16878/3BHE0	Wire, Stranded 3KV (Black) 18 AWG	2700 Ft.
M16878/3BHE2	Wire, Stranded 3KV (Red) 18 AWG	900 Ft.
M16878/3BJE5	Wire, Stranded 3KV (Green) 16 AWG	900 Ft.
M16878/3BHE9	Wire, Stranded 3KV (White) 18 AWG	900 Ft.
MS15795-808	Flat Washer	257
MS35307-308	Screw	16
MS35335-59	Tooth Washer	324
MS35338-138	Lock Washer	257
MS35649-284	Hex Nut	324
MS35650-304	Nut	257
MS51957-46	Screw	324
U3001077-01	CCA, CM Extender	1
U3001120-01	Outside Temperature Sensor	1
U3001121-01	Inside Temperature Sensor	
U3001121-01	Inside Temperature Sensor	2
U3001139-01	CCA RS232/FS485 Converter	1
U3001143-01	Cable	1
U3001150-01	Extender Bd. (For L.C. CCA) (Note: S/N Must match Sys. No.)	1
U3002228-01	Flasher Unit Pole Adapter	16
U3002233-01	Color Screen Holder	324
U3003318-01	Surge Arrestor	1
U3003384-01	Ion Smoke Detector	1
U3003385-01	Photo Smoke Detector	1
U3003386-01	Switch Intrusion	3
U3003566-02	Cable RS232	1
U3003618-01	3-Phase Power Monitor	2
TI 6850-87	T.I. Manual (ALSF-2/SSALR) System Type FA-10700	2 Sets
TI 6850.88	T.I. Manual (FLASHER TESTER) Type FA-10713	2 Sets
Flasher Tester – Unit # 16 (Laptop) Note: Laptop Must have nameplate, P/N: U3002319-01 S/N Must match Sys. No. And Quick Ref. Guide. (P/N: U3003418-01 Procomm Software has Installed in Laptop)		1

The NBP ALSF-2/SSALR system (FA-10700) configuration for Runways 28L is as follows:

ALSF EQUIPMENT LIST FOR 28L

PART NO.	DESCRIPTION	QTY
U3001001-01	REMOTE CONTROL PANEL - UNIT #1	1
U3001002-01	REMOTE ELECTRONICS CHASSIS - UNIT #2	. 1
U3001003-01	CONTROL & MONITOR – UNIT #3	1
U3001004-01	480 VAC INPUT CABINET – UNIT-#4	1
93001080-01	CONSTANT CURRENT REGULATOR – UNIT #5	5
U3001006-01	HIGH VOLTAGE INPUT CABINET – UNIT #6	1
U3001007-01	AIMING DEVICE - UNIT #7	1
U3001008-01	INDIVIDUAL CONTROL CABINET – UNIT #8	12
93001397-01	LOW VOLTAGE INDIVIDUAL CONTROL CABINET – UNIT #8	5
0	FLASHER LIGHT ASSEMBLY - UNIT #9	
	1 5 8 11 14	
U3001009-01	2 6 9 12 15	12
į.	3 7 10 13 16	
	4	
U3001010-01	LAMP HOLDER ASSEMBLY – UNIT #10	250
U3001080-01	TRANSCEIVER MODULE - UNIT #10 (A)	250
93001062=-3	IN-PAVEMENT TRANSCEIVER Assembly	35
	JUNCTION BOX ASSEMBLY - UNIT	
U3001011-01	1 4 7 10 13	15
53001011-01	2 5 8 11 14	13
	3 6 9 12 15	
U3001012-01	REMOTE MONITORING SYSTEM – UNIT # 12	1
U3001013-01	DISTRIBUTION PANEL – UNIT # 13	1
U3001014-01	50 KVA TRANSFORMER – UNIT # 14	1
U3001015-01	SAFETY DISCONNECT SWITCH – UNIT # 15	1
U3001016-01	FLASHER TESTER – UNIT # 16	1
U3001108-01	INPUT SURGE ASSEMBLY – UNIT # 15 (A)	1

ALSF SITE SPARES FOR 28L

PART NO.	DESCRIPTION	QTY
93003049-01	Fuse, 125 AMP	2
FO2A250V5A	Fuse, 5A	2
F03A250V1/4A	Fuse, 250V,1/4A	2
F03A250V2A	Fuse, 250V, 2A	2
F03A250V3A	Fuse, 250V, 3A	2
F03A250V5A	Fuse, 250V, 5A	2
F03A250V10A	Fuse, 250V, 10A	2
F03B125V7A	Fuse, 125V, 7A	2
93003093-01	Fuse, 1/10 AMP	2
93003092-01	Fuse, 5 AMP	2
M02A125V1/4A	Fuse, 125V, 1/4A	2
T3001004-03	CCA CM CPU Unit #3 or 12	1
U3001055-01	CCA RCP Unit # 1	1
U3001056-01	CCA REC Controller Unit #2	
U3001059-01	CCA Control I/O Unit # 3	1
U3001060-01	CCA Control Panel Unit #3	1
U3001063-01	CCA Lamp Controller Unit # 3	1
U3001064-01	CCA Brightness Indicator Unit # 3	1
U3001066-01	CCA Bleeder Unit # 8	1
U3001067-01	CCA Monitor Unit # 8	
93001410-0	CCA Low Voltage ICC Control	1
U3001071-01	CCA Modem Unit # 12	
U3001072-01	CCA Digital I/O Unit # 12	
U3001073-01	CCA Analog I/O Unit # 12	1
U3001074-01	CCA Serial Comm Unit # 12	1
93001085-01	CCA Control Unit #5	1
93001086-01	CCA Display Unit #5	
93001087-01	CCA Snubber Unit #5	1
93003026-01	24 Volt Power Supply	1
93003027-01	12 Volt Power Supply	
U3001097-01	CCA Low Voltage Filter Unit #6	1
U3003174-02	RMS CPU Flash Eeprom ONLY, Programed and Labled	1
J3003174-04	RMS CPU Flash Eeprom ONLY, Programed and Labled	1
J3003215-01	Fuse, FNQ-R-1/2	2
J3003220-01	Fuse, AGC-1-6/10	2
J3003321-01	Fuse, A6D225R	2
J3003329-01	Fuse, JJS-60	2
J3003402-01	Fuse, 9F60AAB001 1 AMP	2

ALSF INSTALLATION KIT FOR 28L

PART NO.	DESCRIPTION	QTY
M16878/3BHE0	Wire, Stranded 3KV (Black) 18 AWG	2640 ft
M16878/3BHE2	Wire, Stranded 3KV (Red) 18 AWG	660 ft.
M16878/3BJE5	Wire, Stranded 3KV (Green) 16 AWG	660 ft.
M16878/3BHE9	Wire, Stranded 3KV (White) 18 AWG	660 ft.
MS15795-808	Flat Washer	257
MS35307-308	Screw	16
MS35335-59	Tooth Washer	324
MS35338-138	Lock Washer	257
MS35649-284	Hex Nut	324
MS35650-304	Nut	257
MS51957-46	Screw	324
U3001077-01	CCA, CM Extender	1
U3001120-01	Outside Temperature Sensor	1
U3001121-01	Inside Temperature Sensor	
U3001121-01	Inside Temperature Sensor	2
U3001139-01	CCA RS232/FS485 Converter	1
U3001143-01	Cable	1
U3001150-01 Extender Bd. (For L.C. CCA) (Note: S/N Must match Sys. No.)		1
U3002228-01	Flasher Unit Pole Adapter	16
U3002233-01	Color Screen Holder	324
U3003318-01	Surge Arrestor	1
Ų3003384-01	Ion Smoke Detector	1 1
U3003385-01	Photo Smoke Detector	1
U3003386-01	Switch Intrusion	3
U3003566-02	Cable RS232	1
U3003618-01	3-Phase Power Monitor	2
T.I. Manual (ALSF-2/SSALR) System Type FA-10700		2 Sets
TI 6850.88	T.I. Manual (FLASHER TESTER) Type FA-10713	2 Sets
U3001016-01	Flasher Tester – Unit # 16 (Laptop) Note: Laptop Must have nameplate, P/N: U3002319-01 S/N Must match Sys. No. And Quick Ref. Guide. (P/N: U3003418-01 Procomm Software has Installed in Laptop)	1

ALSF-2 System Cost Comparison Between Runways 9L and 10R

Main System	R	lunways	Comments
	9L	10R	
Invoice Dates	September 2006	December 2011	
Standard Configuration	\$510,664	\$625,368	Included on invoice
Site Spares	\$45,960	\$70,794	Included on invoice
System Start-Up	\$23,293	\$29,400	included on invoice
Bulk Order Discount (added back into cost for comparison)	\$33,000	0	NBP quoted a \$45,000 discount per system if a bulk purchase is made in April 2012
2006 Base System Estimate	\$612,917		
Escalation (5 years at 4 %)	\$132,790	0	
Sub-Total Base ALSF-2	\$745,707	\$725,562	

Auxiliary Equipment*				
Auxiliary Equipment	\$129,781	\$181,874		
Escalation (4 years at 4 %)	\$22,044	0		
Sub-Total	\$151,825			

Total (Main System & Auxiliary Equipment)	\$897,532	\$907,436	
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Total	\$129,781	
FO 33	\$6,900	ICC cabinet replacement
FO 25	\$55,321	FAA request - ALSF spares – price shows only NBP parts for 9L, not including 27R
FO 24	\$20,000	Add PAR 56 lamp holder rings
FO 16	\$47,560	FAA request- add 58 1500W transformer (+10% spare)
City furnished equipment for FA REIA generators.	A has been included: REIA Ger	nerator, Tektronix O-scope, which were not part of 9L FOs. ATCTs now require



FAA-E-2689a

NOTICE-6

August 20,1999

SUPERCEDING
FAA-E-2689a
NOTICE-5
May 31, 1996
SUPERSEDING
FAA-E-2689a
December 9, 1993
SUPERSEDING
FAA-E-2689a
September 13, 1983
SUPERSEDING
FAA-E-2689,
dated July 24, 1978

U.S.Department of Transportation

Federal Aviation Administration

Specification

HIGH INTENSITY APPROACH LIGHTING SYSTEM (ALSF-2/SSALR)

CONTENTS

	Paragraph	Title	<u>P</u>	age
	1.	SCOPE		1
	1.1	Scope	• •	1
	1.2	Classification	•	1
	1.3	Definitions	• •	1
	1.3.1	Mode ALSF-2	• •	1
	1.3.2	Mode SSALR	• •	2
	1.3.3	Current loop	• •	2
	1.3.4	Discrimination ratio	• •	2
	1.3.5	Down-link	• •	2
	1.3.6	Up-link	• •	2
	1.3.7	Alternating current and voltage	• •	2
	1.3.8	High voltage	•	2
	1.3.9	Equipment failures	• •	2
	1.3.10	Failure condition	• •	2
	1.3.11	Functional failures	• •	2
	1.3.12	Caution condition	• •	2
	1.3.13	TTL compatible	• •	2
	1.3.14	CMOS logic	•	2
	1.3.15	24-volt logic	• •	2
	1.3.16	Mean time between failures (MTBF)	• •	2
	1.3.17	Mean time to repair (MTTR)	• •	2
	1.3.18	Predicted MTBF	• •	3
	1.3.19	Predicted MTTR	• •	2
	1.3.20	Remote maintenance monitoring system	• •	3
	1.3.21	Specified mean time between failures	• •	3
	1.3.22	Line replaceable unit (LRU)	• •	4
	2.	APPLICABLE DOCUMENTS		4
_	2.1	FAA documents		4
	2.1.1	FAA specifications		4
	2.1.2	FAA drawings		5
	2.1.3	FAA standards		6а
2	2.2	Federal publications		6a
	2.2.1	Military standards		6h
2	2.2.2	Military publications		6h
2	2.2.3	Military specifications		60
2	2.2.4	Federal specifications	•	7
	2.3	Other publications	•	7
2	2.3.1	National Fire Protection Association document	•	7
2	2.3.2	Occupational Safety and Health Act (OSHA)	•	7
2	.3.3	National Electrical Manufacturers Association	•	, 7=
2	.3.4	American National Standards Institute	•	,a Ω
2	.3.5	American Iron and Steel Institute standard	•	Ω
	.3.6	Electronic Industries Association	•	υ Q
	.3.7	Institute of Electrical and	•	U
		Electronic Engineers		0
				a

CONTENTS

Paragraph	<u>Title</u>	Page
1.	SCOPE	1
1.1	Scope	1
1.2	Classification	1
1.3	Definitions	. 1
1.3.1	Mode ALSF-2	1
1.3.2	Mode SSALR	2
1.3.3	Current loop	2
1.3.4	Discrimination ratio	2
1.3.5	Down-link	2
1.3.6	Up-link	2
1.3.7	Alternating current and voltage	2
1.3.8	High voltage	2
1.3.9	Equipment failures	2
1.3.10	Failure condition	2
1.3.11	Functional failures	2
1.3.12	Caution condition	2
1.3.13	TTL compatible	2
1.3.14	CMOS logic	• • 2
1.3.15	24-volt logic	· · · ›
1.3.16	Mean time between failures (MTBF)	• • · · ·
1.3.17	Mean time to repair (MTTR)	
1.3.18	Predicted MTBF	
1.3.19	Predicted MTTR	
1.3.20	Remote maintenance monitoring system	3
1.3.21	Specified mean time between failures	3
1.3.22	Line replaceable unit (LRU)	4
1.0.22		
2.	APPLICABLE DOCUMENTS	. 4
2.1	FAA documents	. 4
2.1.1	FAA specifications	. 4
2.1.2	FAA drawings	. 5
2.1.3	FAA standards	. 6a
2.2	Federal publications	. 6a
2.2.1	Military standards	. 6b
2.2.2	Military publications	. 6b
2.2.3	Military specifications	. 6c
2.2.4	Federal specifications	. 7
2.3	Other publications	7
2.3.1	National Fire Protection Association document	• 7
2.3.2	Occupational Safety and Health Act (OSHA)	• 7
2.3.3	National Electrical Manufacturers Association	7 -
	American National Standards Institute	. /α.
	American Iron and Steel Institute standard	. 0
	Electronic Industries Association	. 0
	Institute of Electrical and	. 0
	Electronic Engineers	0
(. o

Paragraph	<u>Title</u>	Page
Paragraph 3. 3.1. 3.1.1 3.1.2 3.2 3.2.1 3.2.2 3.2.3 3.2.4 3.2.5 3.2.6 3.2.7 3.2.8 3.2.9 3.2.10 3.2.11 3.3 3.3.1 3.3.2 3.3.3 3.3.1 3.3.2 3.3.3 3.3.1 3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.4 3.4.1 3.4.2 3.4.3 3.4.1 3.4.2 3.4.3 3.4.4 3.4.5	REQUIREMENTS General. Equipment to be supplied by the contractor. Other equipment. Performance characteristics 480 volt input cabinet. High voltage output cabinet Constant current regulator Control and monitor subsystem. Flashing lights subsystem. Elevated PAR-56 lampholders Site spare parts. Power distribution equipment Remote monitoring subsystem (RMS). RMS performance parameter monitoring requirements Equipment required but not furnished. Physical characteristics 480 V ac input cabinet High voltage output cabinet Constant current regulators. Substation control and monitor assembly Remote electronic chassis Air traffic control tower (ATCT) control panel Reserved. External resistor cabinet Individual control cabinet Junction boxes System requirements Power quality requirements Modular construction Interchangeability. Test points and controls	9 9 9 a 1 4 1 5 1 1 5 6 1 7 0 0 2 a a a b p 2 4 q q q q q q q q q c 5 4 q c 5 4 q c 5 4 q c 5 4 q c 5 4 q c 5 4 q c 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
3.4.5 3.4.6 3.4.7 3.4.8	DC power supplies Extender boards Derating of electronic parts Enclosures	. 57 . 57
3.4.9 3.4.10 3.4.11	Earth grounding Nameplates Assembly and marking	. 65 . 65 . 66
3.4.12 3.4.13 3.4.14 3.4.15	Warning signs High voltage insulation Software/firmware requirements RMS functional requirements	. 66 . 66
3.4.16	ALSF-2 General control behavior	

<u>Paragraph</u>	<u>Title</u>	Page
3.5 3.5.1 3.5.2 3.5.3 3.5.4 3.5.5 3.5.6 3.5.7 3.6.2 3.6.2 3.6.3 3.6.4 3.6.5 3.6.5	Parts, materials, and processes Parts Materials Protective coatings Glass Gaskets Adhesives Processes Environmental requirements Indoor equipment Outdoor equipment Impact Hydraulic impact Snowplow impact Transient suppression	. 66u . 66u . 68a . 69 . 69 . 69 . 69 . 70 . 70 . 71 . 71
3.6.7 3.7 3.8 3.8.1 3.8.2 3.9 3.9.1 3.9.2 3.10	Interference requirements. Instruction books Reliability Reliability design criteria. Reliability program. Maintainability Maintainability design criteria. Maintainability program. Configuration management.	72 72 72 72 73 74 74
4. 4.1 4.1.1 4.1.2 4.1.3	QUALITY ASSURANCE PROVISIONS General System component quality assurance Data certification System, subsystem, and equipment	75 75
4.2 4.3 4.3.1 4.3.2 4.3.3 4.4 4.4.1 4.4.2 4.4.3 4.4.3 4.4.4	testing requirements. VRTM definitions. Notification of readiness for inspection. Test methods. Design qualification test. Production unit tests. Operational testing. Tests. Visual inspection. Twenty-four hour test. Environmental tests. Insulation resistance test 150-hour test. Regulator tests. Control functions tests.	76 76 76a 76a 76a 76a 76a 76b 82a 83

Paragraph	<u>Title</u> <u>Pa</u>	ge
4.4.8 4.4.9 4.4.10 4.4.11 4.4.12 4.4.13 4.4.14 4.4.15 4.5 4.6	Operational monitor tests	4a 6a 7 7 7
5. 5.1 5.1.1 5.1.2 5.1.3	PREPARATION FOR DELIVERY 88 General 88 Packaging 88 Packing 88 Marking 88	8 8 8
6.	NOTE 8	8
Figure	<u>Title</u> <u>Pa</u>	ge
1 2 3	ALSF-2 Lighting Pattern	
4 5 6 7 8	Functional Block Diagram	1 4 5
<u>Table</u>	<u>Title</u> . <u>Pac</u>	ge
I II III	Regulator Output Requirements	
IV V	Regulator Interface	2
VI VII VIII	Caution and Failure Criteria	
IX X Xa	Light Intensities (Type I)	1

Table	<u>Title</u>	Page
Xb	ALSF-2/SSALR Certification Parameters	. 54k
XI	Not Used	
XII	Not Used	
XIII	Not Used	
XIV	Not Used	
XIVa	ALSF-2/SSALR Controlled Function	664
XIVb	RMS Operating Modes and Configurations	660
XV	Packaging Reference Selection	67
XVI	Qualification and Production Tests	78
XVII	Vibration Test Data	97
IIIVX	ALSF-2/SSALR Verification Requirements	0 /
	Traceability Matrix	88a
		Ju
Note:	THE TABLES Xb, XVI AND XVIII ARE ATTACHED TO THE END OF THIS	

Note: THE TABLES Xb, XVI AND XVIII ARE ATTACHED TO THE END OF THIS DOCUMENT IN THE .PDF VERSION.

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FAA-E-2689a Notice-6 August 20, 1999 SUPERSEDING FAA-E-2689a NOTICE-5 May 31, 1996 SUPERSEDING FAA-E-2689a December 9, 1993 SUPERSEDING FAA-E-2689a September 13, 1983 SUPERSEDING FAA-E-2689, dated July 24, 1978

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION SPECIFICATION

HIGH INTENSITY APPROACH LIGHTING SYSTEM (ALSF-2/SSALR)

1. SCOPE

- 1.1 Scope. This specification sets forth the integrated system equipment requirements for a Dual Mode High Intensity Approach Lighting System used to present visual approach lighting patterns to landing aircraft on selected Category II/III Runways. This system will have two operational modes, a High Intensity Approach Lighting System with Sequenced Flashing Lights (ALSF-2) and a Simplified Short Approach Lighting System with Runway Alignment Indicator Lights (SSALR). This specification sets forth the integration requirements for the entire system, provides detailed requirements for the electrical equipment necessary to energize and remotely control the lighting patterns, provides requirements for remote maintenance monitoring, and provides brief descriptions and interface data for subelements of the system that are procured by other detailed specifications.
- 1.2 Classification. Two types of dimmable sequenced flashing lights are covered by this specification.

Type I - Elevated flasher assembly (3.2.5.3)

Type II - Semiflush flasher assembly (3.2.5.4)

- 1.3 Definitions. The following definitions apply for this specification.
- 1.3.1. Mode ALSF-2.- ALSF-2 is an abbreviation for the High Intensity Approach Lighting System with Sequenced Flashing Lights, Category II. In ALSF-2 mode, approximately 100 lamps of the 300 or 500 watt type (35 kilowatts (kw)) are connected in

FAA-E-2689a NOTICE-5 May 31, 1996

series in each of five constant current loops. Actual number of lamps and lamp wattage may vary for each loop.

- 1.3.2 Mode SSALR. SSALR is an abbreviation for the Simplified Short Approach Lighting System with Runway Alignment Indicator Lights.
- 1.3.3 Current loop.— A current loop is formed by electrically connecting lamp transformers and an approach lighting system (ALS) regulator in series such that the ALS regulator current has a single path through primary windings of all lamp transformers and hence produces equal illumination of all lamps connected to the respective secondary windings.
- 1.3.4 <u>Discrimination ratio</u>. Discrimination ratio is the ratio of specified mean time between failures (MTBF) to the minimum acceptable MTBF.
- 1.3.5 Down-link. Data transmission from the air traffic control tower to the substation.
- 1.3.6 Up-link. Data transmission from the substation to the air traffic control tower.
- 1.3.7 Alternating current and voltage. Unless otherwise specified, all alternating currents and voltages shall be understood to be root-mean-square (rms) values.
- 1.3.8 High voltage. Any voltage above 500 volts (V) rms.
- 1.3.9 Equipment failures. Equipment failures are black box, module, card, or part failures whose impact upon the system functions may vary from a minor maintenance action to catastrophic. For example, the failure of a power supply whose redundant unit takes over automatically with no system downtime is only an equipment failure.
- 1.3.10 Failure condition. A failure condition exists when one or more steady burning lamps or flasher lamps fail after a caution condition.
- 1.3.11 Functional failures. Failures which cause either the complete or partial loss of a function.
- 1.3.12 Caution condition. A caution condition exists when two steady burning lamps fail while in the SSALR mode or five lamps fail while in the ALSF-2 mode, in any of five current loops. Caution also exists when one flasher fails in the SSALR mode or two flashers fail in the ALSF-2 mode.
- 1.3.13 TTL compatible. TTL is an abbreviation for transistor-transistor logic. The input and output shall be either logic high or logic low.

1.3.13.1 Logic high.— Unless otherwise specified, logic high shall be voltage higher than 2.4 volts direct current (dc) but not greater than 5.5 volts dc. It may also be defined by the numeral "1" or "HI".

3. REQUIREMENTS

3.1 General. - The equipment furnished under this specification shall provide approach lighting for use on selected runways. Approach Lighting System (ALS) shall be switchable from the High Intensity Approach Lighting System with Sequenced Flashing Lights, Category II (ALSF-2) mode, to the Simplified Short Approach Light System with Runway Alignment Indicator Lights (SSALR) mode. patterns produced by these two lighting modes are shown in plan view by figures 1 and 2 respectively. The system shall be capable of providing the 3,000-foot (914 m) patterns as shown where glide slope angle restrictions require it, and also the shorter 2,400foot (732 m) patterns for use on other domestic Category II Runways (without the last six stations). The steady burning approach lights will be connected in five constant current lighting loops as shown on FAA Drawing D-6238-4. Switching between the modes (ALSF-2/SSALR) will be locally controlled from the substation and remotely controlled from the airport traffic control tower (ATCT) via the control subsystem, which will activate/deactivate the constant current regulators. Operational modes of the flashing lights will be switched by selectively activating the appropriate trigger signals upon command from the The approach lighting system will use low impact resistance structures, will employ constant current lighting techniques, and will have remotely indicated fault sensing equipment. The substation equipments (regulators, high voltage cabinets, Remote Monitoring Subsystem and control and monitor subsystems) will be installed in an environmentally controlled shelter that is generally located within the runway approach zone. is not a part of this specification; however, it will provide protection for some of the equipment. The shelter equipment arrangement and detailed mounting provisions are as shown on FAA Drawings D-6238-17 and D-6238-21. The system equipment and interconnection shall comply with the National Electrical Code (NEC) and Occupational Safety and Health Act (OSHA). The required system shall be as shown in the functional block diagram, figure 4. This specification also covers reliability and maintainability design and prediction requirements imposed on the contractor. design shall include a requirement for a remote maintenance monitoring system capability. For each circuit card assembly type, the contractor shall provide one site spare.

 $\underline{\text{3.1.1}}$ Equipment to be supplied by the contractor.— The ALSF-2/SSALR systems shall be complete in accordance with all specification requirements and shall include the items listed below. Quantities shall be as specified in the contract schedule.

- (a) 480 VAC input cabinet (3.2.1)
- (b) High voltage output cabinet (3.2.2)
- Constant current regulators (3.2.3) (c)
- Control and monitor subsystem (3.2.4) (d)
- (e) Reserved
- Elevated flasher assembly (Type 1) (3.2.5.3) (f)
- (q) Aiming device (3.2.5.3.1.9)
- Semiflush flasher assembly (Type II) (3.2.5.4) (h)
- (i)
- Flasher tester (3.2.5.5)
 Elevated PAR-56 lampholders (3.2.6) (j)
- (k) Site spare parts (3.2.7)
- (m) Junction boxes (3.3.10)
- Instruction books (3.7) (n)
- (0) Remote monitoring subsystem (3.2.9)
- Substation Distribution Panel (3.2.8.1) (p)
- Utility transformer (3.2.8.2) (q)
- (r) Safety Disconnect Switch (3.2.8.3)

INSTALLATION OF RUNWAY 10R-28L ALSF-2 APPROACH LIGHTING SYSTEMS SECTION L-891

PART 1 GENERAL

1.01 DESCRIPTION

A. This item will consist of furnishing all labor, equipment and incidentals necessary for the complete construction of two (2) dual mode ALSF-2/SSALR, approach lighting systems located on each end of runway 10R-28L, which includes MG-20, MG-30 and MG-40 LIRs, foundations. ducts and conduits within 10 feet of the light stations, Earth Electrode Systems (EES) and all connections to the EES; all wiring, light bases, lamps, and isolation transformers at the light stations as identified in these specifications and as shown on the contract drawings. Also included in this item is a wood frame with steel siding equipment shelter and foundation to house ALSF-2 equipment and Localizer equipment. This item includes all other components required to complete the ALSF-2 system as shown on the plans. All power and control wiring between the ALSF-2 equipment, 1000-gallon underground fuel tank and the engine generator is included in this item. This item includes all excavation required for installation of the ALSF-2 building and light stations. The Contractor must furnish all additional materials, labor, testing, certification and equipment to perform these items of work and provide operational ALSF-2 systems to the satisfaction of the Director.

1.02 EQUIPMENT

- A. The following NBP, ALSF-2/SSALR system (FA-10700) configuration equipment for Runway 10R will be furnished by the Commissioner and except for the remote control panel and remote electronics chassis is to be installed by the Contractor:
 - 1. One (1) Remote Control Panel (RCP) P/N U3001001-01
 - 2. One (1) Remote Electronic Chassis (REC) P/N U3001002-01
 - 3. One (1) Control and Monitor Assembly (CM)P/N U3001003-01
 - 4. One (1) 480 VAC Input Cabinet P/N U3001004-01
 - 5. Five (5) Constant Current Regulators (CCRs)P/N 93001080-01
 - 6. One (1) High voltage Output Cabinet P/N U3001006-01
 - 7. One (1) Aiming Device P/N U3001007-01
 - Sixteen (16) Individual Control Cabinets (ICCs) P/N U3001008-01

CHICAGO DEPARTMENT OF AVIATION O'HARE MODERNIZATION PROGRAM SOUTH AIRFIELD RUNWAY 10R-28L NAVAIDS AND FOTS PROJECT NUMBER: OH6135.200.522 90% SUBMITTAL ISSUED 06/13/11

L-891-1

INSTALLATION OF ALSF-2

- 9. Sixteen (16) Flasher Light Assemblies P/N U3001009-01
- 10. Two Hundred Fifty Seven (257) Elevated PAR-56 Lampholders P/N U3001010-01
- 11. Two Hundred Fifty Seven (257) Transceivers/Shorting Devices (20 A) P/N U3001080-01
- 12. Fifteen Junction Boxes P/N U3001011-01
- 13. One (1) Remote Monitoring Subsystem (RMS) P/N U3001012-01
- 14. One (1) Distribution Panel P/N U3001013-01
- 15. One (1) 50 KVA Transformer P/N U3001-14-01
- 16. One (1) Safety Disconnect Switch P/N U3001015-01
- 17. One (1) Flasher Tester P/N U3001016-01
- 18. One (1) TI Manual P/N TI 6850.87
- 19. One (1) Installation Kit
- B. The following NBP, ALSF-2/SSALR system (FA-10700) configuration equipment for Runway 28L will be furnished by the Commissioner and except for the remote control panel and remote electronics chassis is to be installed by the Contractor:
 - 1. One (1) Remote Control Panel (RCP) P/N U3001001-01
 - 2. One (1) Remote Electronic Chassis (REC) P/N U3001002-01
 - 3. One (1) Control and Monitor Assembly (CM) P/N U3001003-01
 - 4. One (1) 480 VAC Input Cabinet P/N U3001004-01
 - 5. Five (5) Constant Current Regulators (CCRs) P/N 93001080-01
 - 6. One (1) High Voltage Output Cabinet P/N U3001006-01
 - 7. One (1) Aiming Device P/N U3001007-01
 - 8. Thirteen (13) Individual Control Cabinets (ICCs) P/N U3001008-01
 - 9. Four (4) Low Voltage Individual Control Cabinets (LV ICC) P/N 93001397-01
 - 10. Thirteen (13) Flasher Light Assemblies P/N U3001009-01
 - 11. Two Hundred Twenty Six (226) Elevated PAR-56 Lampholders P/N U3001010-01
 - 12. Two Hundred Twenty Six (226) Transceivers /Shorting Devices (20 A) P/N U3001080-01
 - 13. Thirty Five (35) In-Pavement Transceivers /Shorting Devices

(6.6 A) P/N 93001062-03

- 14. Fifteen Junction Boxes P/N U3001011-01
- 15. One (1) Remote Monitoring Subsystem (RMS) P/N U3001012-01
- 16. One (1) Distribution Panel P/N U3001013-01
- 17. One (1) 50 KVA Transformer P/N U3001014-01
- 18. One (1) Safety Disconnect Switch P/N U3001015-01
- 19. One (1) Flasher Tester P/N U3001016-01
- 20. One (1) TI Manual P/N TI 6850.87
- 21. One (1) Installation Kit
- C. The Contractor must furnish and install the remaining equipment (including spares) required to complete the 10R and 28L ALSF-2 system including but not limited to the following:
 - LIR Structures Jaquith Industries, Inc. 600 Brighton Avenue Syracuse, NY 13210-4213 315-478-5700 www.jaquith.com
 - 2. PAR-56 Lamps (Including Spares):
 - 108 500W, 20A lamps with GREEN glass filters
 - 120 500W, 20A lamps with RED glass filters
 - 318 500W, 20A lamps with NO colored glass filters
 - 3. L-830 Isolation Transformers (Including Spares):
 - 6 300W 20A/20A Isolation Transformers
 - 120 500W 20A/20A Isolation Transformers
 - 35 300W, 20A/6.6A Isolation transformers (for Semi-Flush)
 - 102 1500W 20A/20A Isolation Transformers
 - 4. All other electrical equipment shown on the drawings and specified herein.
 - 5. Twenty eight (28) High Intensity Semi-Flush, Steady-Burn light fixtures, White Style A, FAA Type FA-2300/1, Multi-Electric Part No. 3950-1 with 3-105W lamps and accessories..

- 6. Seven (7) High Intensity Semi-Flush, Steady-Burn light fixtures, Red Style C, FAA Type FA-2300/3, Multi-Electric Part No. 3950-1 with 3-105W lamps and accessories.
- 7. Four (4) Lamp Replacement kits for Semi-Flush High Intensity fixtures. Multi-Electric Part No. 3950-130-1
- 8. Thirty Five (35) Snow Plow Rings for use with L-868, Size C (15") light base. Multi-Electric Part No. 3950-142.
- Five (5) In-pavements, ALSF-2 Flasher, FAA –E-2628, ADB Part No. FFL9C000-0000 with flash tubes, mating female connectors and Snow Plow Rings for use with L-868, Size C (15") light base.

10.

1.03 INCLUDED WORK

- A. All sections of these technical specifications listed in the Table of Contents apply, except:
 - Specification Section L-890 Installation of Runway 10R-28L Runway Visual Range System (RVR)
 - 2. Specification Section L-895 Installation of Runway 10R-28L Instrument Landing Systems

PART 2 PRODUCTS

2.01 DUAL MODE ALSF-2/SSALR APPROACH LIGHTING SYSTEMS

- A. The dual mode ALSF-2/SSALR system is FAA approved Type FA-10700, with all the latest updates as manufactured by New Bedford Panoramex, 1037 West Ninth Street, Upland, CA 91786, Telephone 909-982-9806.
- B. The 300-watt and 500-watt isolation transformers must be type L-830 per FAA AC 150/5345-47B.
- C. The 1500-watt isolation transformers must be as specified in Specification Section L-892. All 1500-watt transformers must be field tested by the Contractor at the project site per FAA testing requirements in Section 16950, paragraph 2.03.

2.02 STEADY BURNING LIGHT FIXTURES ARE CLASSIFIED AS FOLLOWS

Style A White Light
Style B Green Light
Style C Red Light

2.03 BASES

A. Light Bases must conform to the requirements of AC 150/5345-42F, "Specification for Airport Light Bases, Transformer Houses, Junction

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Boxes, and Accessories", and they must be Class IB, 16-inch diameter, Type L-867 base as shown on the Plans and must be listed in FAA AC 150/5345-53C. All light bases must be provided with factory installed internal and external ground lugs.

- B. The light bases installed within or immediately outside the blast pad (ALSF-2 stations 0+00 through 4+00) must be L-867, size D, 28 inch deep, Class 1B.
- C. The light bases installed in runway and taxiway pavement must be L-868, size C, 24 inch deep, Class 1B.
- D. The light bases installed for the remaining ALSF-2 stations (Stations 5+00 through 24+00) must be L-867, size D, 28 inch deep, Class 1B..

2.04 BOLTS FOR BASE CAN AND ACCESSORIES

- A. Fluoropolymer ceramic-metallic coated SAE Grade 2 bolts must be used to secure light fixtures to L-867 light bases with 2 part locking washers in accordance with FAA Engineering Brief No. 83 "In-Pavement Light Fixture Bolts" issued June 28, 2010. The color of the outer coating of the Grade 2 bolts must be orange or hot pink as determined by the Commissioner and FAA. Fluoropolymer ceramic-metallic coated bolts do not require the use of anti-seize compounds.
- B. Installation and torquing of the bolts must be in conformance with the FAA Engineering Brief No. 83 and must follow the recommended industry best practices for installing and torquing bolts.

A.

2.05 CONCRETE

A. Concrete required for the construction of bases and other work under this item must conform to the requirements of Section P-610, using 3/4-inch maximum size aggregate.

2.06 GROUND RODS

A. Ground rods must be type 304, stainless steel, of the length and diameter shown on the Plans.

2.07 UNDERGROUND DIESEL FUEL STORAGE TANK

A. The Contractor must furnish and install a 1000-gallon fiberglass, double-wall, underground storage tank (UST) for diesel (fuel oil #2). Outlet design must have secondary containment (150 gallons capacity) and a 30-year warranty. The tank must be manufactured in accordance with UL 1316 (with a UL certification plate). The Contractor must provide shop drawings of the tank to the Commissioner for approval. The overall tank installation must comply with CFR-40, Part 280.20(b). Fuel tank and piping must be in accordance with Section 15484 of these specifications and not be paid for separately under Section 16620.

2.08 LOAD BANK

A. The load bank must be in accordance with the contract documents and with section 16620 of these specifications.

2.09 ENGINE GENERATOR

A. The ALSF-2 engine generator, ATS, load bank, and and other equipment shown on the plans will be furnished by the FAA and installed by the contractor. The contractor must coordinate with FAA to obtained the all the necessary shop drawings and templates to properly locate the equipments and conduit penetrations in the generator room.

2.10 CONDUIT

A. All conduits for duct banks must be in accordance with Section L-110 of these specifications.

2.11 MANHOLES AND HANDHOLES

A. All electrical manholes must be in accordance with Section L-115 of these specifications.

2.12 PULL BOXES

A. All pull boxes must be in accordance with Section L-115 of these specifications.

2.13 **CABLE**

A. All cable must be in accordance with Sections L-108 and 16130 of these specifications.

2.14 GUARD WIRE

A. All guard wire must be in accordance with Sections L-108 and 16452 of these specifications.

PART 3 EXECUTION

3.01 INSTALLATION OF ALSF-2 LIGHT BARS AND SEQUENCED FLASHERS

- A. The Contractor must follow the procedures contained herein in installing the elevated ALSF-2 light bars and sequenced flashers. The Contractor must provide all materials not specifically listed in the Contract as provided to him/her.
- B. All ALSF-2 lights that are designed 4 feet or less above grade must be on frangible EMT supports. Where EMT supports are shown on the drawings, LIR structures must not be substituted for EMT supports, and rigid steel conduit must not be substituted for EMT.
- C. In order to optimize conduit and ductbank construction, the Contractor may find it advantageous to modify the horizontal layout of some LIR tower foundations, flasher junction boxes, and flasher individual control cabinets (ICC's). This may involve re-orienting the flasher junction box and ICC location, foundation layout, or fencing layout. Such modification must not involve a change in the ALSF-2 Station of a tower or LIR tower tilt-down direction shown on the plans, or encumber the raising or lowering of a tower. The Contractor must not execute any deviation from the light bar site configuration shown on the drawings without first receiving the approval of the Director.
- D. Installation Tolerances. Lamps must be installed with their centerlines within the following installation tolerances of design distances:
 - Longitudinal (along the runway centerline) distance deviation from design station:
 6 inches
 - Lateral distance (perpendicular to the runway centerline):
 3 inches
 - 3. Horizontal distance between individual lights 1 inch
 - 4. Lamp centerline elevation:
 - a. On structures up to 6 feet above foundationtop: 1 inch
 - On structures more than 6 feet above foundation

 L-891-7

 INSTALLATION OF ALSF-2

top: 2 inches

5. All lights in a light bar must be installed within 1 inch of a line perpendicular to runway extended centerline.

- 6. Plumbness Tolerance for EMT Frangible Light Masts. EMT frangible light masts must be installed to a plumbness tolerance of 1/16-inch per foot of mast height. This requirement is in addition to all other placement tolerances. If the mast foundation is concrete, the plumbness tolerance must be met by proper placement of the concrete-embedded section of conduit, not by bending the mast. To insure plumbness, temporary rigid conduit masts must be threaded into the conduit couplings, and clamped in place in a rigid brace during concrete placement, finishing, and setting.
- E. Assembly of PAR-56 Lights. The Contractor must assemble from unassembled condition into complete units, the PAR-56 lampholders, transceiver/shorting devices, lamps, and, where required, filter-holding clips and colored glass filters. Use the spring-loaded lamp-retaining hardware supplied with the lampholders. This assembly must include the NBP PAR-56 lampholder ring where the drawings require it.
- F. Frangible Couplings. All frangible couplings must be 2 inch-diameter cast aluminum couplings having a hexagonal clamping ring. The coupling must accommodate 2 inch-diameter EMT conduit. The frangible couplings must meet the requirements of either Military Specification MS-17814-1, or of FAA Drawing C-6046. The straight-thread Multi-Electric Cat. No. 961-A frangible coupling is among couplings meeting MS-17814-1. The tapered-thread Multi-Electric Cat. No. 961-AT frangible coupling is among couplings conforming to FAA Drawing C-6046. If the Contractor intends to furnish substitute frangible couplings, the Contractor must submit catalog cuts to the Director, demonstrating that the substitute couplings meet the above specifications. The Contractor must furnish 40 spare frangible couplings to the Director, who will deliver them to the FAA.

G. Frangible EMT Mountings:

1. Frangible Coupling Installation. Each frangible coupling has a hexagonal throat with a break-off groove in the middle, designed to break at low impact, thereby minimizing damage to colliding aircraft. When installing the frangible coupling, take care to use a wrench that will grip only the lower portion of the hexagonal throat of the coupling, i.e., that portion immediately below the break-off groove. If the wrench grips the upper portion of the hexagonal throat, the coupling may break when torque is applied. The Contractor must apply anti-seize compound to the

threads of the frangible coupling, and to the internal threads of the receiving coupling or hole, to facilitate removal. The compound must be an anti-seize assembly lubricant formulated to provide protection for stainless steel and dissimilar metal threaded fasteners against galling, seizure, and heat-freeze. Do not use plumber's pipe-joint compound. The frangible coupling must be screwed down tightly into the conduit coupling or light base cover plate threaded hole, to prevent the EMT mounting from turning.

- 2. Cable Connectors. Where cable connectors are required within the frangible couplings, the connectors must have the capability of separating easily upon breakage of the frangible couplings. Therefore, apply silicone grease of high dielectric strength to the mating surfaces of the plug and receptacle connectors. Do not allow the silicone grease to make contact with the plug and receptacle terminals, and do not place electrical tape over the connector joints. A cable clamp or cable connector clamp must firmly grip the receptacle connector of the lower cable assembly (never the plug connector of the upper cable assembly). The connectors must be vertically positioned such that the joint between the two connectors is as close as feasible to the breakoff groove. If the receptacle cable connector is the 1 inchdiameter style (e.g., 90R-B6), the connector must be gripped by an aluminum split-ring cable clamp. The Multi Electric Part No. 961-X cable clamp is among the clamps which meet this specification. If the receptacle cable connector of the style having a 1.75-inch-diameter donut for use in a light base (such as on the secondary lead of isolation transformers), the connector must be gripped by the cable connector clamp which comes with the base plate.
- 3. Upper Cable Assembly. Sufficient slack cable must be left in the upper cable assembly to permit:
 - a. Removal of the lampholder from an EMT support (light mast).
 - b. Disconnection of the cable connectors in the frangible coupling.
- H. Fiberglass LIR Approach Lighting Towers. LIR means Low Impact Resistance. An LIR tower is a tower designed to disintegrate when struck by an aircraft, offering low impact resistance to the aircraft, thus minimizing aircraft damage. The fiberglass LIR towers must be assembled from knocked-down (unassembled) condition according to the manufacturer's assembly instructions. Install the towers on foundations constructed in accordance with the drawings.

L-891-9

I. Aiming and Alignment of Lights. Each light must be adjusted so that its optical axis is parallel to the runway centerline, directed outward from the runway threshold, and aimed upward to the required vertical angle. An aiming device is furnished for vertical aiming of the PAR-56 lampholders and flashing light units.

3.02 FLIGHT TEST.

- A. The Contractor must coordinate with the Director and the FAA to schedule the FAA flight check.
- B. The Contractor must coordinate with the Director and the FAA to obtain a copy of the results of the flight check. In the event that the flight check results are unsatisfactory, the Contractor must make any corrections or adjustments to the ALSF-2 construction as required to pass the flight check, at no additional cost to the Director.

PART 4 METHOD OF MEASUREMENT

4.01 MEASUREMENT

A. Payment for Localizer / ALSF-2 equipment shelter and approach lighting system will be made on a lump sum basis

PART 5 BASIS OF PAYMENT

5.01 PAYMENT

Payment for accepted quantities of ALSF-2Localizer equipment A. shelter and approach lighting system will be made at the contract unit price per lump sum price. The work includes but is not limited to installing ALSF-2 equipment and furnishing and installing the combined localizer ALSF-2 equipment shelters, and all other equipment necessary for a complete operational system, installation and testing of system components, site grading and bollard installation, sidewalks and concrete stairs, fence removal, and CA-6 stone and geotextile fabric around ALSF-2 lights will be included with this item and for all labor, materials, equipment, tools, and incidentals necessary to complete the item in accordance with this specification. All items associated with the ALSF-2 facility and not otherwise paid for separately will be included in this lump sum item. This item excludes equipment costs associated with Section 1.02A, 2.06 and 2.08 of this specification.

B. Payment will be made under:

ITEM NO.	DESCRIPTION	иом
L-891-5.01	RUNWAY 10R ALSF-2 SUBSTATION FACILITY AND APPROACH LIGHTING SYSTEM, COMPLETE	LS
L-891-5.02	RUNWAY 28L ALSF-2 SUBSTATION FACILITY AND APPROACH LIGHTING SYSTEM, COMPLETE	LS

Unit of Measure (UOM)	Abbreviation
Lump Sum	LS

END OF SECTION L-891