CITY OF CHICAGO
DEPARTMENT OF PURCHASES,
CONTRACTS AND SUPPLIES
ROOM 403, CITY HALL, 121 N. LA SALLE ST.

JUSTIFICATION FOR NON-COMPETITIVE Procurement

COMPLETE THIS SECTION IF NEW CONTRACT, TERM AGREEMENT OR PURCHASE ORDER.
For contract(s) or purchase order, answer applicable questions in each of the 4 major subject areas below in accordance with the Instructions for Preparation of Non-Competitive Procurement Form on the reverse side. Request that negotiations be conducted only with _Steward Machine Co., Inc._ for the product and/or services described herein.

Name of Person or Firm

This is a request for: _____ (One-Time Contract or P.O. per Requisition # __________, copy attached) or ____ Term Agreement or Delegate Agency (Check one). If Delegate Agency, this request is for "blanket approval" of all contracts within the ______ program. (Attach List)

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 contract 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: STEWARD MACHINE CO., INC.

Specification #: ________________
Contract or Program Description: Furnish Centerlock Systems for Bascule Bridges

Mod #: ________________ (Attach List, if multiple)

P. Palapathi (312)744-5040
Originator Name Telephone

Signature

CDOT 02-16-2007
Department Date

Indicate SEE ATTACHED in each box below if additional space needed:

(X) PROCUREMENT HISTORY: All attempts were made in the year 2000 and prior, for open competitive bids, but sole bid was received from the Steward Machine Co., Inc. All efforts by CDOT revealed no alternative sources.

(X) ESTIMATED COST: Type I required: 4 pairs/8 systems @ $141,075.00 = $1,128,600.00
Type II required: 2 pairs/4 systems @ $139,250.00 = $557,000.00

Proposed price quote is acceptable. Grand Total: $1,685,600.00***

***Total requirement for 36 months to replace centerlock systems at 2 bridge locations per year (at an average).

(X) SCHEDULE REQUIREMENTS: These systems are necessary for the Harrison Street, Jackson Blvd., Congress Parkway, 100th Street, 106th Street, movable bridges as soon as possible. The existing centerlocks for these bridges are beyond repair and require costly manual intervention whenever these bridges are opened or closed. The old centerlocks also cause longer delays for pedestrian, vehicular, and waterway traffic.

(X) EXCLUSIVE OR UNIQUE CAPABILITY: Steward Machine Co., Inc. is the sole proprietor and patented manufacturer of this system. To build centerlock which consists of lock and bar system, to provide locking mechanism for two leafs, when bridge is closed, requires extreme and large scale machine shop. Steward Machine is the only last remaining source in the country with such exclusive and unique capacity. Competition is precluded because of the existence of patent rights.

(X) OTHER: Direct/indirect involvement of M/WBE Enterprises were discussed and firm has expressed it's commitment to put its good faith effort to meet M/WBE participation goals.
Ms. Barbara A. Lumpkin
Chief Procurement Officer
The Department of Procurement Services
City of Chicago
Room 403, City Hall
121 North La Salle Street
Chicago, Illinois 60602

Reference: Fund 05-859-84-2125-0540-0540-C5005-863

Dear Ms. Lumpkin:

Steward Machine Co., Inc. is pleased to offer the following scope of work:

Bridge Centerlock Systems

Each item will consist of furnishing and delivering FOB all the necessary material for one (1) bridge centerlock system to replace an existing bridge centerlock. A system will consist of one lockbar, actuator, guide, receiver, limit switch assembly, horizontal alignment guide and other appurtenances as described herein. A typical bascule bridge will contain two (2) assemblies, one for each main truss. The system dimensionally and mounting details will be unique for each bridge and will conform to the design drawings provided by the City for each installation. Each lockbar will be capable of sustaining a maximum shear load transfer of approximately 110 kips.

Each system will include a mechanical bar actuator, an EG-3 Special which will move a 6" x 9", I shaped, forged steel lock bar through a bar guide on one leaf and into receiver on the other leaf. The operators, bar guides and receivers will be foot mounted on the truss chord. Replacement gusset and fill plates will be provided as necessary to accommodate the mounting.

All reduction gearing in operator will be heat treated alloy steel, generated helical types and have their shafts mounted on anti-friction bearings. A removable crank will be furnished for hand operation. Protection against electrical operation when the hand drive is engaged will be by means of a safety interlock. Provision will be made to permit hand
operation of the system with electrical motor removed.

Each operator will be driven by a high starting torque induction type, 5 horsepower, 1800 RPM, 60 Hertz, 240/480 volt, NEMA design D, frame B145TDZ, TENV electric motor having a 15 minute duty rating and equipped with a 15 ft.-lb. marine duty brake with manual release and safety interlock switch. The motor will be totally enclosed, non-ventilated, equipped with ball bearings and designed especially for outdoor applications subject to adverse weather conditions.

The lock bar guides and receivers will be the energy absorbing type Earle ® Model #120-6" x 9" Cushionlok ® manufactured by Steward Machine Co., Inc. The guide and receiver will have high strength bronze wear shoes supported by a combination of stiff, disc springs that permit limited vertical movement of the shoes. When the lock bar is inserted into the guide and/or receiver it shall cause the shoes to depress the springs, resulting in a preload condition that will insure continuous contact between the lock bar and loaded shoes. The Cushionlok Guides and receivers will incorporate the recent design refinements allowing external adjustment of the spring preload. The design of the system will be such that the maximum allowed stress of the springs will achieve a theoretically infinite fatigue life of the energy absorbing system. With the bridge in the closed position and the lock bar inserted into the guide and receiver, the vertical leaf tip to leaf tip misalignment must be no more than 0.200" under application of full design live load.

Each lock bar will have an externally mounted rack bar. A gear train shall be provided to establish a direct geared link from the rack bar to the rotary cam limit switch. The gear train will be unique to each installation and will consist of the appropriate shafts, bearings, mountings, couplings and right angle and/or reducer drives necessary to connect the rack bar with the limit switch. Each lock bar assembly will be provided with a rotary cam, 11 circuits, and NEMA 4X 304 stainless steel enclosure, Gemco or approved equal limit switch. At the City's option, two double pole, double throw lever type limit switches will be installed instead of the rotary cam limit switch. These switches will be installed, set for travel, and tested at Steward Machine Co.

All painted surfaces will be prepared by the Steel Structures Painting Council SP10 finish and primed with inorganic silicate primer.

Type I. Bridge Centerlock System

Each centerlock assembly will be mounted on the outboard side of the trusses and have an independent horizontal alignment guides. The horizontal alignment guides will be mounted inside the truss chords as shown.

PRICE PER SYSTEM - $141,075.00/EACH

Type II. Bridge Centerlock System.

Each centerlock system will be mounted on the inside of the truss chords as shown. The horizontal alignment guides will be an integral part of the guide and receiver housings. This system is covered by Non Provisional US patent #10/222408 Filed August 16, 2002.

PRICE PER SYSTEM - $139,250.00/EACH

DELIVERY: 16 to 18 Weeks After Receipt of Approved Shop Detail Drawings

F.O.B.: Chicago, IL

TERMS: Net 60 days.

If you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

STEWARD MACHINE CO., INC.

James F. Alison, III, P.E.
Vice President

JA:ss
**DPS PROJECT CHECKLIST**

**IMPORTANT:** PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR COMPLETING THE PROJECT CHECKLIST AND CONTACT THE APPROPRIATE UNIT MANAGER IF YOU HAVE ANY FURTHER QUESTIONS. ALL INFORMATION SHOULD BE COMPLETED, ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR HANDLING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM 403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.

### GENERAL INFORMATION:
- **Date:** 2-20-07
- **REQ No.:** 32287
- **PO No.:** (if known): 4672
- **Modification No.:** (if known):
- **Project Description:** BRIDGE CENTERlock SYSTEMS

### CONTACT PERSON:
- **Contact Person:** JAMES A. MAGEE
- **Tel:** 4-206
- **Fax:** E-mail: @cityofchicago.org

### PROJECT MANAGER:
- **Project Manager:** PETER MALHAMET
- **Tel:** 4-S240
- **Fax:** E-mail: @cityofchicago.org

### FUNDING:

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<th>Enterprise</th>
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### FUNDING AMOUNT:
- **$ DOLLAR AMOUNT:** 842,000

### Estimated Value:
- **Estimated Value:** $842,000

### SCOPE STATEMENT:
- **Vendor Limit:** 3 year
- **Vendor Limit for 3 year of services**
- **Attached is a Detailed Scope of Services and/or Specification**

### IMPORTANT:
- **THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR DPS TO ACCEPT YOUR SUBMITTAL YOU MUST COMPLETE THE SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT UNIT.**

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.

### TYPE OF PROCUREMENT REQUESTED:

- **NEW REQUEST**
  - [ ] Blanket Agreement
  - [ ] Standard Agreement
  - [ ] Small Orders

- **MOD/AMENDMENT**
  - [ ] Time Extension
  - [ ] Vendor Limit Increase
  - [ ] Scope Change/Price Increase/Additional Line Item(s)
  - [ ] Other (specify):

- **FORMS**
  - [ ] Requisition
  - [ ] Special Approvals
  - [ ] Non-Competitive Review Board (NCRB)

- **CONTRACT TERM:** 3

- **Requested Term (number of months):** 3

### PRE BID/SUBMITTAL REQUIREMENTS:

- **Requesting Pre Bid/Submittal Conference?** [ ] Yes [ ] No
- **Requesting Site Visit?** [ ] Yes [ ] No

Form Dated 03/10/2006

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DPS PROJECT CHECKLIST

ARCHITECTURAL/ENGINEERING SUPPLEMENTAL CHECKLIST

Required Attachments: Scope of Services, including location, description of project, services required, deliverables, and other information as required

Risk Management
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

If applicable, Pre-Qualification Category No. Category Description:
For Pre-Qualification Program, attach list of suggested firms to be solicited

Other Agency Concurrence Required: □ None □ State □ Federal □ Other (fill in)

AVIATION CONSTRUCTION SUPPLEMENTAL CHECKLIST

DOA sign-off for final design documents: □ Yes □ No

Required Attachments:
Copy of Draft Contract Documents and Detailed Specifications.

Risk Management:
Current Insurance Requirements prepared/approved by Risk Management: Yes □ No □
Will work be performed within 50 feet of CTA or ATS structure or property? Yes □ No □
Will work be performed airborne? Yes □ No □

*NOTE: Any non-construction Aviation request, complete the applicable section.

COMMODITIES SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the product, delivery location, user department contact, 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 and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

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
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
DPS PROJECT CHECKLIST

VEHICLES/HEAVY EQUIPMENT SUPPLEMENTAL CHECKLIST

Required Attachments:
- Detailed Specifications including detailed description of the vehicle(s) or equipment, mounted equipment, if any, and options/accessories.
- Special Provisions (Delivery, Warranty, Manuals, Training, Additional Unit Purchase Options, Bid Submittal 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

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

- Detailed description of project listing obligations of each party.
- The Schedule of Compensation
- Deliverables
- Request for individual contract services (if applicable)
- The appropriate EPS form
- ITSC (approved by BIS)
- CBM (approved by Budget form/memo)
- Grant document attached

Attach any documentation indicating any previous purchase activity to assist in the procurement process.

TELECOMMUNICATIONS AND UTILITIES SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Scope of Services/Specification which sets forth all of the anticipated services and products the user department wants provided, 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.

Has the project been reviewed by DGS? ☐ Yes ☐ No

Attach copy of DGS Recommendation; Reservation(s); or participate under current contract.

Does the project include software? ☐ Yes ☐ No

If yes, is signed ITSC form attached? ☐ Yes ☐ No

Does the location involve:
- A public way? ☐ Yes ☐ No
- Any concession in the City's facilities? ☐ Yes ☐ No

Is it anticipated City Council approval of the project or contract will be required? ☐ Yes ☐ No

Form Dated 03/10/2006
DPS PROJECT CHECKLIST

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 and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

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

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:

S. S. R. B.

DATE___________________________
APPROVED___________________________
CONDITIONALLY APPROVED___________________________
RETURN TO DEPT___________________________
DISAPPROVED___________________________

Form Dated 03/10/2006
MEMORANDUM

TO: Claude Humphrey
   Deputy Procurement Officer
   Department of Procurement Services

FROM: James P. Bracewell Jr.
   Director of Administrative Services

SUBJECT: Request for Non-Competitive Procurement
   Bridge Centerlocks Systems
   Vendor: Steward Machine Co., Inc.
   Requisition No.: 32287

DATE: February 16, 2007

Attached please find the above original request for Non-Competitive Procurement Commodities Services. Please request the Non-Competitive Procurement Board to schedule an appointment with Peter Palaparthi, Fred Roberson and myself to attend the Non-Competitive Procurement Board meeting.

Thank you. Please call me Fred Roberson at 744-4146 if you have any questions or need any additional information.

cc: File
   Peter Palaparthi